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ANNUAL REPORT
OF THE
COMMISSIONER OF PATENTS
FOR THE YEAR
1917

Property of U. S. Patent Office



WASHINGTON
GOVERNMENT PRINTING OFFICE
1918

REPORT

OF THE

COMMISSIONER OF PATENTS

TO CONGRESS

FOR THE YEAR ENDED DECEMBER 31, 1917.

DEPARTMENT OF THE INTERIOR,
UNITED STATES PATENT OFFICE,
Washington, D. C., January 31, 1918.

To the Senate and House of Representatives:

In compliance with section 494 of the Revised Statutes I have the honor to submit the following report of the business of the Patent Office for the year ended December 31, 1917:

RECEIPTS.

Detailed statement of all moneys received for patents, for copies of records or drawings, or from any source whatever.

Applications:	
Cash received	\$1, 931, 670. 84
Cash refunded	8, 043. 85
Net cash	1, 923, 626. 99
Certificates of deposit	60, 520. 00
Total cash and certificates	1, 984, 146. 99
Copies:	
Cash received	222, 629. 00
Cash refunded	4, 379. 98
Net cash	218, 249. 02
Certificates of deposit	1, 593. 40
Total cash and certificates	219, 842. 42
Recording assignments:	
Cash received	31, 823. 93
Cash refunded	1, 622. 92
Net cash	30, 201. 01
Certificates of deposit	108. 00
Total cash and certificates	30, 309. 01
Registration of prints and labels:	
Cash received	6, 743. 00
Cash refunded	435. 80
Net cash	6, 307. 20
Certificates of deposit	48. 00
Total cash and certificates	6, 355. 20
Court costs:	
Cash received	41. 35
Cash refunded	-----
Net cash	41. 35
Certificates of deposit	-----
Total cash and certificates	41. 35
<i>Aggregates.</i>	
Cash received	2, 192, 908. 12
Cash refunded	14, 482. 55
Net cash	2, 178, 425. 57
Certificates of deposit	62, 269. 40
Total cash and certificates	2, 240, 694. 97
Receipts from sale of Official Gazette and other publications through Government Printing Office	17, 683. 03
Grand total	2, 258, 377. 10

EXPENDITURES.

Amounts expended under the several appropriations from January 1 to December 31, 1917.

Salaries	\$1, 360, 282. 65
Scientific library	2, 482. 65
International Union for Protection of Industrial Property	668. 17
Stationery	12, 504. 05
Postage on foreign matter	986. 00
Furniture, carpets, ice, telephones, washing towels, and sundries	26, 076. 73
Photolithographing:	
Current issue (including \$121.69 for correcting errors)	53, 590. 68
Reproductions	55, 358. 29
Photographic copies	4, 156. 82
Photostat supplies	5, 524. 16
Foreign patents	12, 280. 00
Printing and binding:	
Official Gazette, with indexes	149, 070. 95
Specifications	347, 469. 71
Miscellaneous	17, 443. 80
Defending suits	279. 00
Total	2, 048, 173. 16

RECEIPTS AND EXPENDITURES.

Receipts from all sources	\$2, 258, 377. 10
Expenditures	2, 048, 173. 16
Surplus	210, 203. 94

Surplus earnings of the Patent Office, deposited in the Treasury of the United States.

Amount of total net surplus in Treasury, January 1, 1917	\$8, 013, 679. 51
Net surplus for the year 1917	210, 203. 94
Total net surplus, Dec. 31, 1917	8, 223, 883. 45

SUMMARY OF THE BUSINESS OF THE PATENT OFFICE.

Applications for patents for inventions	67, 590
Applications for patents for designs	2, 545
Applications for reissues of patents	238
Total	70, 373
Applications for registration of trade-marks	8, 176
Applications for registration of labels	814
Applications for registration of prints	316
Disclaimers filed	27
Appeals on the merits	2, 263
Notices of opposition	261
Total	11, 857
Patents issued, excluding designs	41, 069
Design patents issued	1, 512
Patents reissued	179
Total	42, 760
Trade-marks registered	5, 339
Labels registered	613
Prints registered	245
Total	6, 197
Patents expired during the year	24, 660
Applications forfeited for non-payment of final fees	10, 304
Applications allowed awaiting payment of final fees	16, 224
Trade-mark applications passed for publication	5, 499

PATENTS ISSUED.

Patents issued to citizens of the United States, with the ratio of population to each patent granted.

States.	Patents and designs.	One to every—	States.	Patents and designs.	One to every—
Alabama.....	255	8,383	North Carolina.....	175	12,607
Arizona.....	111	1,841	North Dakota.....	181	3,158
Arkansas.....	150	10,496	Ohio.....	2,800	1,703
California.....	2,084	1,141	Oklahoma.....	343	4,831
Colorado.....	497	1,608	Oregon.....	371	1,813
Connecticut.....	1,059	1,053	Pennsylvania.....	3,509	2,184
Delaware.....	51	3,967	Rhode Island.....	252	2,153
Florida.....	186	4,038	South Carolina.....	132	11,480
Georgia.....	250	10,436	South Dakota.....	173	3,375
Idaho.....	145	2,245	Tennessee.....	235	9,297
Illinois.....	4,309	1,309	Texas.....	653	5,967
Indiana.....	526	3,270	Utah.....	137	2,725
Iowa.....	843	2,659	Vermont.....	80	4,449
Kansas.....	455	3,716	Virginia.....	309	6,672
Kentucky.....	306	7,483	Washington.....	675	1,692
Louisiana.....	193	8,582	West Virginia.....	253	4,827
Maine.....	143	5,191	Wisconsin.....	1,051	2,221
Maryland.....	348	3,722	Wyoming.....	50	2,919
Massachusetts.....	2,157	1,561	Alaska.....	18	3,575
Michigan.....	1,505	1,867	Canal Zone.....	7	.....
Minnesota.....	787	2,637	District of Columbia.....	312	1,061
Mississippi.....	99	18,153	Hawaii.....	26	7,381
Missouri.....	1,152	2,859	Philippine Islands.....	15	591,999
Montana.....	204	1,843	Porto Rico.....	5	223,602
Nebraska.....	335	3,559	United States Army.....	10	.....
Nevada.....	54	1,516	United States Navy.....	10	.....
New Hampshire.....	126	3,417	United States Marine Corps.....	2	.....
New Jersey.....	2,084	1,217	Total.....	139,225	.....
New Mexico.....	49	6,679			
New York.....	6,678	1,365			

¹ Not including 179 reissues and 147 patents withdrawn.

Patents granted to residents of foreign countries.

Argentina.....	19	Cuba.....	24	Jamaica.....	1	Scotland.....	78
Austria-Hungary.....	50	Denmark.....	46	Japan.....	35	South Africa.....	5
Barbados.....	1	Dominican Republic.....	2	Java.....	2	South Australia.....	7
Belgium.....	19	Egypt.....	1	Luxemburg.....	1	Spain.....	8
Bermuda.....	4	England.....	807	Madeira Islands.....	2	Sweden.....	96
Brazil.....	4	Finland.....	1	Mexico.....	18	Switzerland.....	146
British Guiana.....	1	France.....	255	Netherlands.....	41	Tasmania.....	2
British Honduras.....	2	Germany.....	478	Newfoundland.....	2	Transvaal.....	5
British India.....	1	Guam.....	2	New South Wales.....	42	Turkey.....	2
British West Indies.....	2	Guatemala.....	1	New Zealand.....	51	Uruguay.....	1
Canada.....	719	Honduras.....	1	Norway.....	28	Victoria.....	41
Cape Colony.....	1	India.....	4	Peru.....	3	Wales.....	13
Chile.....	6	Ireland.....	16	Queensland.....	4	Western Australia.....	3
China.....	3	Isle of Jersey.....	1	Russia.....	30		
Colombia.....	24	Italy.....	66	Salvador.....	4	Total.....	3,209

The following tables present a comparative statement of the business of the Patent Office since the enactment of the statute of 1836 and exhibit in detail the business of the Office during the last calendar year:

Comparative statement of the business of the Office from 1837 to 1917, inclusive.

Year.	Applica-tions. ¹	Caveats filed. ²	Patents and re-issues.	Cash received.	Cash expended.	Surplus.
1837.....			435	\$29,289.08	\$33,596.98	.....
1838.....			520	42,123.54	37,338.92	\$4,784.62
1839.....			425	38,019.97	34,543.51	3,476.46
1840.....	765	228	473	38,056.51	39,020.67	.....
1841.....	847	312	495	40,413.01	52,666.87	.....
1842.....	761	291	517	36,505.63	31,241.43	5,264.20
1843.....	819	315	519	35,315.81	30,776.96	4,538.85
1844.....	1,045	380	497	42,509.26	36,344.53	6,164.73
1845.....	1,246	452	503	51,076.14	39,395.65	11,680.49
1846.....	1,272	448	638	50,264.16	46,158.71	4,105.45
1847.....	1,531	533	560	63,111.19	41,878.35	21,232.84
1848.....	1,628	607	653	67,576.60	58,905.84	8,670.85
1849.....	1,955	595	1,077	80,752.78	77,716.44	3,036.34
1850.....	2,193	602	993	86,927.05	80,100.95	6,826.10
1851.....	2,258	760	872	95,788.61	86,916.93	8,821.68
1852.....	2,639	996	1,019	112,056.34	95,916.91	16,139.43
1853.....	2,673	901	961	121,527.45	132,869.83	.....
1854.....	3,324	868	1,811	163,789.81	167,146.32	.....
1855.....	4,435	996	2,013	216,459.35	179,510.33	36,919.02
1856.....	4,960	1,021	2,505	192,588.02	199,921.02	.....
1857.....	4,771	1,010	2,896	196,132.91	211,582.09	.....
1858.....	5,364	913	3,710	203,716.16	193,193.74	10,522.42
1859.....	6,225	1,079	4,538	245,942.15	210,278.41	35,663.74
1860.....	7,653	1,084	4,819	259,352.59	252,820.80	3,531.79
1861.....	4,643	700	3,310	137,354.44	221,491.91	.....
1862.....	5,038	821	3,521	215,751.99	182,810.39	32,044.06
1863.....	6,014	787	4,170	195,593.29	189,114.14	6,179.15
1864.....	6,972	1,063	5,029	210,919.98	229,868.00	11,051.98
1865.....	10,664	1,632	6,616	348,791.84	274,199.34	74,592.50
1866.....	15,269	2,723	9,450	495,665.38	361,724.28	133,941.10

Comparative statement of the business of the Office from 1837 to 1917, inclusive—Continued.

Year.	Applica- tions. ¹	Caveats filed. ²	Patents and re- issues.	Cash received.	Cash expended	Surplus.
1867	21,276	3,597	13,015	\$646,581.92	\$639,263.32	\$7,318.60
1868	20,445	3,705	13,378	681,565.86	628,679.77	52,886.09
1869	19,271	3,624	13,986	693,145.81	486,430.74	206,715.07
1870	19,171	3,273	13,321	669,456.76	557,147.19	112,309.57
1871	19,472	3,366	13,033	678,716.46	562,091.64	116,624.82
1872	18,246	3,090	13,590	699,726.39	665,595.00	34,131.39
1873	20,414	3,245	12,864	703,191.77	691,178.98	12,012.79
1874	21,602	3,181	13,591	738,278.17	679,288.41	58,989.76
1875	21,638	3,094	14,837	743,453.43	721,657.71	21,795.65
1876	21,425	2,697	15,595	757,987.65	652,542.60	105,445.05
1877	20,308	2,609	14,187	732,342.85	613,152.62	119,190.23
1878	20,260	2,755	13,444	725,375.55	593,082.89	132,292.66
1879	20,059	2,620	13,213	703,931.47	529,638.97	174,292.50
1880	23,012	2,490	13,947	749,685.32	538,865.17	210,820.15
1881	26,059	2,406	16,884	853,665.89	605,173.28	248,492.61
1882	31,522	2,553	19,267	1,009,219.45	683,867.67	325,351.78
1883	34,576	2,741	22,383	1,146,240.00	675,234.86	471,005.14
1884	35,600	2,582	20,413	1,075,798.80	970,579.76	105,219.04
1885	35,717	2,552	24,233	1,188,089.15	1,024,378.85	163,710.30
1886	35,968	2,513	22,508	1,154,551.40	992,503.45	162,047.95
1887	35,613	2,622	21,477	1,144,509.60	994,472.22	150,037.38
1888	35,797	2,251	20,506	1,118,516.10	973,108.78	145,407.32
1889	40,575	2,481	24,158	1,281,728.05	1,052,955.96	228,772.09
1890	41,048	2,311	26,292	1,340,372.66	1,099,297.74	241,074.92
1891	40,552	2,408	23,244	1,271,285.78	1,139,713.35	131,572.43
1892	40,753	2,290	23,559	1,286,331.88	1,110,739.24	175,592.59
1893	38,473	2,247	23,769	1,242,871.64	1,141,038.45	101,833.19
1894	38,439	2,286	20,867	1,187,439.58	1,100,047.12	87,392.46
1895	40,680	2,415	22,057	1,245,246.93	1,106,389.49	138,857.44
1896	43,982	2,271	23,373	1,324,059.83	1,113,413.71	210,646.12
1897	47,905	2,176	23,794	1,375,641.72	1,122,843.13	252,798.59
1898	35,842	1,659	22,267	1,137,734.48	1,136,196.20	1,538.28
1899	41,443	1,716	25,527	1,325,457.03	1,211,783.73	113,673.30
1900	41,980	1,731	26,499	1,350,828.53	1,260,019.62	90,808.91
1901	46,449	1,842	27,373	1,449,398.16	1,297,385.64	152,012.52
1902	49,641	1,851	27,886	1,552,859.08	1,393,345.54	159,513.54
1903	50,213	1,771	31,699	1,642,201.81	1,448,645.81	193,556.00
1904	52,143	1,808	30,934	1,657,326.53	1,476,000.38	181,326.15
1905	54,971	1,896	30,399	1,806,758.14	1,479,633.22	327,124.92
1906	56,482	1,885	31,965	1,790,921.38	1,554,891.20	236,030.18
1907	58,762	1,967	36,620	1,910,618.14	1,631,458.36	279,159.78
1908	61,475	2,110	33,682	1,896,847.67	1,712,303.42	184,544.25
1909	65,839	1,948	37,421	2,042,828.14	1,955,151.14	87,677.00
1910	64,629	970	35,930	2,025,536.69	2,005,711.94	19,824.75
1911	69,121	.....	34,084	2,019,388.03	1,953,689.91	65,698.12
1912	70,976	.....	37,731	2,118,158.30	2,022,066.11	96,092.19
1913	70,367	.....	35,788	2,084,417.79	1,947,383.28	137,034.51
1914	70,404	.....	41,850	2,251,892.82	2,000,770.12	251,122.70
1915	70,069	.....	44,934	2,290,773.47	2,053,442.15	239,331.32
1916	71,033	.....	45,927	2,345,540.94	2,115,367.91	228,173.03
1917	70,373	.....	42,760	2,258,377.10	2,048,173.16	210,203.94

¹ Including patents, designs, and reissues.² Caveat law repealed June 25, 1910.

REPORT OF THE COMMISSIONER OF PATENTS FOR THE YEAR 1917.

Statement showing the number of the first patent, design patent, and reissued patent, and the number of the first certificate of registration of a trade-mark, label, and print issued in each calendar year since July 28, 1836, when the present series of numbers of Letters Patent commenced, together with the total number of each issued during the year.

[The number of patents granted prior to the commencement of this series of numbering (July 28, 1836) was 9,957.]

Calendar year.	Number of first patent and certificate issued in each calendar year.					Number of patents and certificates of registration issued during each calendar year.								
	Patents.	Designs.	Reissues.	Trade-marks.	Labels.	Prints.	Patents.	Designs.	Reissues.	Total patents.	Trade-marks.	Labels.	Prints.	Total certificates.
1836 (July 28)	1						109							
1837	110						436							
1838	546		1				515		6					
1839	1,061		7				404		13					
1840	1,465		20				458		10					
1841	1,923		30				490		6					
1842	2,413		36				488		13					
1843	2,901	1	49				494	14	11	519				
1844	3,395	15	60				478	12	7	497				
1845	3,873	27	67				475	17	11	503				
1846	4,348	44	78				566	59	13	638				
1847	4,914	103	91				495	60	14	569				
1848	5,409	163	105				584	46	23	653				
1849	5,993	209	128				988	49	30	1,067				
1850	6,981	258	158				884	83	26	993				
1851	7,865	341	184				757	90	25	872				
1852	8,622	431	209				890	109	20	1,019				
1853	9,512	540	229				846	86	29	961				
1854	10,358	626	258				1,759	57	28	1,844				
1855	12,117	683	286				1,892	70	51	2,013				
1856	14,009	753	337				2,315	107	83	2,505				
1857	16,324	860	420				2,686	113	97	2,896				
1858	19,010	973	517				3,467	102	126	3,695				
1859	22,477	1,075	643				4,165	108	231	4,504				
1860	26,642	1,183	674				4,363	183	232	4,778				
1861	31,005	1,366	1,106				3,040	142	147	3,329				
1862	34,045	1,508	1,253				3,221	195	116	3,532				
1863	37,266	1,703	1,369				3,781	176	227	4,184				
1864	41,047	1,879	1,596				4,638	139	248	5,025				
1865	45,685	2,018	1,844				6,099	221	296	6,616				
1866	51,784	2,239	2,140				8,874	294	290	9,458				
1867	60,658	2,533	2,430				12,301	325	400	13,026				
1868	72,959	2,858	2,830				12,544	446	420	13,410				
1869	85,503	3,304	3,250				12,957	506	534	13,997				
1870	98,460	3,810	3,784	1			12,157	737	439	13,333	121			121
1871	110,617	4,547	4,223	122			11,687	905	464	13,056	486			486
1872	122,304	5,452	4,687	608			12,200	884	529	13,613	491			491
1873	134,504	6,336	5,216	1,099			11,616	747	501	12,864	492			492
1874	146,120	7,083	5,717	1,591	1		12,230	886	483	13,599	559	232		791
1875	158,350	7,969	6,200	2,150	233		13,291	915	631	14,837	1,138	232		1,370
1876	171,641	8,884	6,831	3,283	465		14,172	802	621	15,595	1,959	472		1,431
1877	185,813	9,686	7,452	4,247	937		12,920	699	568	14,187	1,216	392		1,608
1878	198,733	10,385	8,020	5,463	1,329		12,345	590	509	13,444	1,455	492		1,947
1879	211,078	10,975	8,529	6,918	1,821		12,133	592	488	13,213	872	355		1,227
1880	223,211	11,567	9,017	7,790	2,176		12,926	515	506	13,947	349	203		552
1881	236,137	12,082	9,523	8,139	2,379		15,548	565	471	16,584	834	202		1,036
1882	251,685	12,647	9,994	8,973	2,581		18,135	861	271	19,267	947	304		1,251
1883	269,820	13,508	10,265	9,920	2,885		21,196	1,020	167	22,383	902	306		1,808
1884	291,016	14,528	10,432	10,822	3,791		19,147	1,150	116	20,413	1,021	513		1,534
1885	310,163	15,678	10,548	11,843	4,304		23,331	773	129	24,233	1,067	391		1,458
1886	333,494	16,451	10,677	12,910	4,695		21,797	595	116	22,508	1,029	378		1,407
1887	355,291	17,046	10,793	13,939	5,073		20,429	949	99	21,477	1,133	380		1,513
1888	375,720	17,995	10,892	15,072	5,453		19,585	835	86	20,506	1,059	327		1,386
1889	395,305	18,830	10,978	16,131	5,780		23,360	723	75	24,158	1,229	319		1,548
1890	418,665	19,553	11,053	17,360	6,099		25,322	886	84	26,292	1,415	301		1,719
1891	443,987	20,439	11,137	18,775	6,403		22,328	836	80	23,244	1,762	137		1,899
1892	466,315	21,275	11,217	20,537	6,540		22,661	817	81	23,559	1,737	16		1,743
1893	488,976	22,092	11,298	22,274	None.	1	22,768	902	99	23,769	1,677	None.	2	1,679
1894	511,744	22,994	11,397	23,951	None.	3	19,875	928	64	20,857	1,806	None.	4	1,810
1895	531,619	23,922	11,461	25,757	None.	7	20,883	1,115	59	22,057	1,829	None.	3	1,832
1896	552,502	25,037	11,520	27,586	6,546	10	21,867	1,445	61	23,273	1,813	1	32	1,846
1897	574,369	26,482	11,581	29,399	6,547	42	22,098	1,631	65	23,794	1,671	14	16	1,701
1898	596,467	28,113	11,646	31,070	6,561	58	20,404	1,803	60	22,267	1,238	200	35	1,473
1899	616,871	29,916	11,706	32,308	6,761	93	23,296	2,139	92	25,527	1,649	511	100	2,260
1900	640,167	32,055	11,798	33,957	7,272	193	24,660	1,758	81	26,499	1,721	737	93	2,551
1901	664,827	33,813	11,879	35,678	8,009	286	25,558	1,734	81	27,373	1,928	878	159	2,965
1902	690,385	35,547	11,960	37,606	8,887	445	27,136	1,640	110	27,886	2,006	767	158	2,931
1903	717,521	36,187	12,070	39,612	9,654	603	31,046	1,536	117	31,699	2,186	990	270	3,446
1904	748,567	36,723	12,189	41,798	10,644	873	30,267	1,557	110	30,934	2,158	1,114	297	3,569
1905	778,834	37,280	12,299	43,956	11,758	1,170	29,784	1,486	129	30,399	4,490	830	359	5,679
1906	808,618	37,766	12,428	46,446	12,588	1,529	31,181	1,625	159	31,965	10,568	709	656	11,933
1907	839,799	38,391	12,587	49,014	13,297	1,874	35,880	1,589	151	36,620	7,878	667	315	8,860
1908	875,679	38,980	12,738	51,692	13,964	2,189	32,757	1,757	168	33,682	5,191	618	220	6,029
1909	908,436	39,737	12,906	54,582	14,582	2,409	36,574	1,687	160	37,421	4,184	492	148	4,824
1910	945,010	40,424	13,066	57,267	15,074	2,557	35,168	1,639	123	35,930	4,239	370	120	4,729
1911	980,178	41,063	13,189	60,506	15,444	2,677	32,917	1,010	157	34,084	4,205	659	248	5,112
1912	1,013,095	42,073	13,346	64,711	16,103	2,925	36,231	1,342	158	37,731	5,020	633	243	5,896
1913	1,049,326	43,415	13,501	69,731	16,736	3,168	33,941	1,683	164	35,788	5,065	708	290	6,063
1914	1,083,267	45,098	13,668	74,796	17,444	3,458	39,945	1,715	190	41,850	6,817	719	338	7,874
1915	1,123,212	46,813	13,858	80,613	18,163	3,796	43,207	1,545	182	44,934	6,262	803	371	7,436
1916	1,166,419	48,358	14,040	87,875	18,966	4,167	43,970	1,759	198	45,927	6,791	864	432	8,087
1917	1,210,389	50,117	14,238	94,666	19,836	4,599	41,069	1,512	179	42,760	5,339	613	245	6,197

First print registered Mar. 7, 1893.

¹ Registration of labels practically suspended May 27, 1891, under decision of the United States Supreme Court in *Higgins et al. v. Keuffel et al.* (55 O. G., 1139) with the registration No. 6,545, June 14, 1892. Resumed June 9, 1896, with the registration of No. 6,546.

Expenditure for photolithographic and photographic work since 1912-13.

Fiscal year.	Contractor.	Price per page.			Total.
		Current issue.	Reproduction of exhausted copies, etc.	Photographic copies.	
1912-13.	Columbia Planograph Co.	{ ¹ \$0.63 2.50}			\$140,000
	Sackett & Wilhelms Co.		{ ² \$0.52 4.60}		
	F. W. Ernst.			{ ⁶ \$0.00 6.10}	
1913-14.	Columbia Planograph Co.	{1.57½ 7.48}			140,000
	Sackett & Wilhelms Co.		{4.57 8.47}		
	Leet Bros.			{6.078 6.078}	
1914-15.	Norris Peters Co.	{1.64 2.50}			140,000
	A. J. Ingram		{3.40½ 4.50}		
	Commercial Photo. Co.			{5.064 6.067}	
1915-16.	Webb & Bocorselski.		8.42		140,000
	Columbia Planograph Co.	{1.61½ 2.49}			
	The Norris Peters Co.		{3.39 4.49}		
1916-17.	A. J. Ingram			{5.056 6.06}	140,000
	Commercial Photo. Co.		8.40		
	Webb & Bocorselski.				
1917-18.	Norris Peters Co.	{1.76 7.60}			9 140,000
	Sackett & Wilhelms Co.		{4.57 3.42½ 8.35}	{6.07 6.06}	
	F. W. Ernst.				
1917-18.	C. J. Ernst.		{3.41½ 4.59 7.67}		9 140,000
	Sackett & Wilhelms Corporation.				
	Webb & Bocorselski.			{5.054 6.059}	
1917-18.	Commercial Photo. Co.				9 140,000

¹ For 100 thin, 2 thick, and 1 bond copies of patents.⁶ Size, 10 by 15 inches.² For 50 thin, 2 thick, and 1 bond copies of trade-marks and designs.⁷ For 50 thin, 2 thick, and 1 bond copies of designs.³ For 50 copies each, mechanical and design patents and trade-marks.⁸ For 2 copies of drawings of foreign patents.⁴ For 100 copies each, mechanical and design patents and trade-marks.⁹ Estimated.⁵ Size, 8 by 12½ inches.*Number of patents issued by the United States to December 31, 1917, and by foreign countries to December 31, 1916.*

Countries.	To 1870, inclusive.	1871 to 1916.	Total.	Countries.	To 1870, inclusive.	1871 to 1916.	Total.
Argentina ¹	83	13,779	13,862	Netherlands.....	4,535	1,796	6,331
Australia.....	18,103	18,103	18,103	Newfoundland ¹	40	529	569
Austria-Hungary.....	15,350	67,583	82,933	New South Wales.....	236	11,740	11,976
Austria.....		90,923	90,923	New Zealand.....	109	17,945	18,054
Bahamas ¹		2	2	Norway.....	737	28,352	29,089
Barbados.....		163	163	Paraguay ¹		102	102
Belgium ¹	35,044	236,954	271,998	Peru ¹		160	160
Bolivia ¹	42	65	107	Portugal.....	245	9,013	9,256
Brazil.....	185	9,823	10,008	Queensland.....	67	6,368	6,435
British Guiana ¹	32	94	126	Russia ¹	1,464	30,844	32,308
British Honduras ¹	1	19	20	St. Helena ¹		4	4
Canada.....	4,081	173,525	177,606	South African Republic.....		1,262	1,262
Ceylon ¹	58	829	887	South Australia.....	123	6,221	6,344
Chile.....	266	3,017	3,283	Spain ²		58,282	58,282
Colombia ¹		1,077	1,077	Straits Settlements.....		368	368
Congo Free State ¹		294	294	Sweden.....	1,629	43,461	45,090
Costa Rica ¹		74	74	Switzerland.....		74,501	74,501
Cuba.....		2,356	2,256	Tasmania ¹	43	2,426	2,469
Denmark.....	464	28,835	29,349	Trinidad ¹	6	283	289
Ecuador ¹		10	10	Tunis ²		1,102	1,102
Fiji Islands ¹		47	47	Turkey ¹		2,560	2,560
Finland.....	112	5,815	5,927	Union South Africa.....		4,363	4,363
France.....	103,934	407,764	511,698	Uruguay.....		455	455
Germany.....	9,996	302,785	312,781	Venezuela.....		321	321
Great Britain.....	53,408	459,980	513,388	Victoria.....	822	12,463	13,285
Guatemala ¹		57	57	West Australia.....		3,524	3,524
Hawaii ¹		148	148				
Hongkong.....		280	280	Total foreign.....	238,437	2,411,598	2,650,035
Hungary.....		66,258	66,258	United States.....	120,573	1,099,772	1,220,345
India.....	445	13,888	14,333				
Italy and Sardinia.....	4,723	132,248	136,971	Total to 1870.....	359,010		
Jamaica.....	22	268	290	Total 1871-1916.....		3,511,370	3,870,380
Japan.....		30,570	30,570	United States, 1917.....			41,069
Leeward Islands.....		30	30				
Liberia ¹		2	2	Grand total, including 1917, United States.....			3,911,449
Luxemburg.....		10,687	10,687				
Malta ¹		106	106				
Mauritius ¹	113	311	424				
Mexico ²	22	14,334	14,356				

¹ No information at hand for 1916.² Estimated. Reports for 1916 incomplete.

Applications for patent pending December 31, 1917.

Division.	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1903 to 1907	Prior to 1903	Total.
1.....	905	429	185	87	35	12	3	4	2	2	2	.....	1,666
2.....	1,173	718	321	105	36	5	1	3	.....	.....	2	.....	2,364
3.....	1,221	530	247	96	30	12	3	1	.....	.....	.....	.....	2,140
4.....	989	511	313	146	47	17	9	5	2	.....	.....	1	2,040
5.....	818	449	219	110	32	3	4	2	2	.....	1	.....	1,680
6.....	1,319	545	252	141	47	21	6	3	.....	.....	.....	.....	2,334
7.....	1,475	698	311	132	52	12	1	2	.....	1	3	.....	2,687
8.....	1,430	913	482	214	73	12	3	.....	1	.....	.....	.....	3,128
9.....	1,076	482	151	96	40	9	5	2	1	.....	2	.....	1,864
10.....	1,729	812	320	99	39	7	2	1	.....	.....	3	.....	3,013
11.....	971	460	251	95	27	10	11	.....	.....	.....	.....	.....	1,825
12.....	1,539	930	252	156	69	26	15	2	2	.....	.....	.....	2,991
13.....	1,317	514	225	80	25	7	3	.....	.....	.....	.....	.....	2,171
14.....	1,000	499	208	111	29	2	5	2	.....	1	1	.....	1,858
15.....	1,302	744	382	168	68	15	7	4	3	.....	.....	.....	2,693
16.....	827	514	252	117	35	14	3	6	5	7	66	5	1,851
17.....	586	331	203	92	30	15	3	3	.....	.....	.....	.....	1,313
18.....	1,205	677	327	134	34	16	3	1	.....	1	.....	.....	2,398
19.....	1,218	688	333	127	32	7	2	2	2	1	4	.....	2,416
20.....	1,184	593	239	87	27	5	4	2	1	.....	.....	.....	2,142
21.....	781	417	206	102	31	10	11	3	.....	.....	5	1	1,567
22.....	885	288	59	16	10	5	6	5	6	3	3	.....	1,286
23.....	937	723	252	138	75	53	27	14	8	12	16	7	2,392
24.....	943	518	260	106	33	9	6	1	.....	.....	.....	.....	1,877
25.....	1,236	552	246	109	36	7	1	.....	1	.....	2	.....	2,190
26.....	837	772	388	178	59	14	15	4	2	1	9	1	2,280
27.....	1,128	623	294	130	36	23	7	4	.....	.....	.....	.....	2,245
28.....	938	525	212	102	39	18	4	.....	1	.....	2	.....	1,841
29.....	1,038	603	222	66	15	8	1	.....	.....	1	.....	.....	1,954
30.....	1,532	600	238	64	15	6	.....	.....	1	.....	2	1	2,459
31.....	1,045	514	257	109	58	19	3	2	2	1	.....	.....	2,010
32.....	1,266	687	242	128	31	13	4	2	.....	.....	.....	.....	2,373
33.....	788	546	288	153	38	11	5	5	1	.....	2	.....	1,837
34.....	527	215	75	42	13	.....	1	.....	.....	.....	.....	.....	873
35.....	1,605	866	377	147	52	5	1	1	.....	.....	.....	.....	3,054
36.....	1,304	654	363	167	32	20	19	13	1	.....	1	1	2,575
37.....	1,068	777	376	231	83	13	11	4	3	.....	5	1	2,572
38.....	897	444	217	132	48	8	8	4	1	2	2	.....	1,763
39.....	1,131	613	234	112	23	5	4	.....	.....	2	.....	.....	2,124
40.....	1,692	942	453	191	43	11	4	1	.....	.....	.....	.....	3,337
41.....	1,570	1,426	563	214	68	25	1	3	1	.....	1	.....	3,872
42.....	906	555	270	127	36	14	2	1	3	4	2	.....	1,920
43.....	1,184	653	352	168	63	17	1	.....	.....	1	1	.....	2,440
44.....	1,364	215	77	19	7	.....	.....	1	.....	.....	1	.....	1,684
45.....	838	401	134	59	17	8	.....	1	.....	.....	1	.....	1,459
Total.....	50,754	27,256	12,228	5,403	1,768	549	235	114	54	40	139	18	98,558

Comparisons of pending applications, by years.

December 31—					December 31—				
	1914	1915	1916	1917		1914	1915	1916	1917
Cases filed prior to 1908..	1,083	496	210	157	Cases filed in—Contd.				
Cases filed in—					1914	50,947	26,978	12,577	5,403
1908.....	790	265	73	40	1915		49,483	25,031	12,228
1909.....	1,748	529	138	54	1916			50,339	27,256
1910.....	3,710	1,356	328	114	1917				50,754
1911.....	7,498	2,916	865	235					
1912.....	15,203	6,961	2,191	549	Total	109,846	102,632	97,463	98,558
1913.....	28,867	13,648	5,711	1,768					

Allowances and publications.

	1914	1915	1916	1917		1914	1915	1916	1917
Patents.....	56,469	54,944	53,114	49,715	Labels.....	728	810	809	538
Designs.....	1,612	1,569	1,698	1,429	Prints.....	327	371	394	201
Reissues.....	172	169	185	158					
Trade-marks.....	7,463	5,691	6,398	4,931	Total.....	66,771	63,554	62,598	56,972

Patents and certificates issued.

	1914	1915	1916	1917		1914	1915	1916	1917
Patents.....	39,945	43,207	43,970	41,069	Labels.....	719	803	864	613
Designs.....	1,715	1,545	1,759	1,512	Prints.....	338	371	432	245
Reissues.....	190	182	198	179					
Trade-marks.....	6,817	6,262	6,791	5,339	Total.....	49,724	52,370	54,014	48,957

Attention is invited to the following comparisons:

Number of applications pending fifteen years or longer:	
January 1, 1912	59
January 15, 1914	84
June 30, 1914	52
December 31, 1914	37
December 31, 1915	29
December 31, 1916	15
December 31, 1917	18
Number of applications pending ten years or longer:	
January 1, 1912	289
June 30, 1914	241
December 31, 1914	239
December 31, 1915	183
December 31, 1916	141
December 31, 1917	157
Number of applications pending eight years or longer:	
June 30, 1914	799
December 31, 1914	629
December 31, 1915	419
December 31, 1916	283
December 31, 1917	251
Number of applications pending five years or longer:	
January 1, 1912	4,296
June 30, 1914	4,231
December 31, 1914	3,621
December 31, 1915	2,646
December 31, 1916	1,614
December 31, 1917	1,149
Number of applications pending two years or longer:	
June 30, 1914	31,677
December 31, 1914	30,032
December 31, 1915	26,171
December 31, 1916	22,093
December 31, 1917	20,548
Total number pending not in issue or forfeited:	
January 1, 1912	108,126
June 30, 1914	116,832
December 31, 1914	109,846
December 31, 1915	102,632
December 31, 1916	97,463
December 31, 1917	98,558
Number of applications in issue:	
January 1, 1912	11,804
June 30, 1914	22,623
December 31, 1914	22,613
December 31, 1915	22,449
December 31, 1916	19,835
December 31, 1917	16,224
Total number pending, not including forfeited applications:	
January 1, 1912	119,930
June 30, 1914	139,455
December 31, 1914	132,459
December 31, 1915	125,081
December 31, 1916	117,298
December 31, 1917	114,782

OTHER DETAILS OF BUSINESS.

During the year a total of 70,373 applications for patents, reissues of patents, and designs and 165,533 amendments in pending applications were filed. This represents a decrease of 660 in the number of applications and a decrease of 9,411 in the number of amendments filed.

The fees received by mail and express amounted to \$1,316,145.31, and the fees paid by hand to the Financial Clerk amounted to \$876,762.81. The number of letters indexed and filed, constituting the general correspondence of the Office, was 277,485. In addition to this 26,015 letters of inquiry were returned with circulars of information answering the questions propounded. The number of parcels received by registered mail was 11,968, and the number of parcels by express was 3,474.

During the year 10,304 applications were forfeited by reason of failure to pay the final fee within the time prescribed by section 4885, Revised Statutes, and 1,628 applications previously allowed and forfeited were renewed. Since March 3, 1861, about 247,590 forfeited cases have become abandoned.

In the Drafting Division 993 drawings were made for inventors, who paid \$3,494 therefor, and 6,861 drawings previously filed were corrected upon request by the inventors, for which the Office received \$5,519.35. Ten tracings were made at a cost of \$18.50. The total fees received for work by the Drafting Division were \$9,031.85. In addition to this 10,150 corrections in drawings were made without cost to the inventors.

In the Assignment Division 28,097 deeds, transferring the titles to patents, etc., and containing 12,740,450 words, averaging 455 words per deed, were recorded. For this work the Office received \$48,034.01. In addition to this the Assignment Division prepared 1,633 abstracts of title and 3,210 briefs, for which fees amounting to \$2,227.50 were paid. The total earnings of the Assignment Division were \$50,261.51.

Type-written copies of records aggregating 27,549,700 words were written, and other copies containing 2,554,600 words, made by outsiders, were compared and certified by the Office. For the whole of this work the Office received \$30,104.30. For the certificates attached to certain of these copies the Office received \$1,249.25, a total of \$31,353.55. The Office supplied 1,785 certified printed copies of patents, 2,637 copies of trade-marks, 93 copies of prints and labels, and 58 copies of design patents, at eighty cents each.

Inventors and attorneys were furnished with 54,835 photographic copies of drawings 8 by 12½ at fifteen cents each and 3,433 photographic copies of drawings 10 by 15 at twenty-five cents each; also 54,496 photostat copies at fifteen cents each and 42,979 photostat copies at twenty-five cents each. The amounts received for these photographic and photostat copies were \$9,083.50 and \$18,929.15, respectively. The expenditures during the year for supplies for the photostat-machine were \$5,524.16.

Printed copies of specifications and drawings of patents to the number of 2,511,082 were sold at five cents each, bringing to this Office on this account \$125,554.10. For 1,277,184 copies sold to libraries the Office received \$1,612.50. The total received from the sale of copies of patents was \$127,166.50. Copies to the number of 1,097,555 were shipped to foreign Governments, and 142,640 copies were drawn for Office use. The total number of printed copies of patents distributed during the year was 5,354,136.

CLASSIFICATION OF PATENTS.

The Classification Division, which was established in December, 1898, a little over nineteen years ago, for the purpose of revising the classification of patents according to some more uniform and comprehensive system or plan, has completed the revision of some one hundred and sixty main classes, and has yet to revise one hundred and twenty-two main classes.

Owing to the extremely technical nature of the work, made more difficult by the fact that the same or similar machines and processes are capable of use and often are actually used in wholly differ-

ent arts, the reclassification of the million and a quarter patents granted in this country has been exceedingly slow. In order to expedite the work and improve the system, a change in the methods employed has been recently adopted. Previously the revision was carried on entirely in the Classification Division by a group of Assistant Examiners, under the supervision of the chief of the division. By the present plan the revision is being carried on in the various examining divisions. Each Principal Examiner, with the aid of one of his Assistant Examiners, is required to revise the class or classes which are in his own division and with which he is presumed to be familiar, the work in each examining division being under the general supervision of a skilled classifier, who is under the supervision of the chief of the Classification Division.

Of the total forty-five divisions in the Office all the classes in nine have been revised; in thirty-three one or more of the classes have already been revised, while revision has been taken up and is now being carried on under the new system in twenty-six divisions.

It is hoped that since the Principal Examiners are familiar with the patents comprising the classes in their respective divisions the present system will greatly expedite the work of revision and simultaneously inaugurate a continuing system of classification in each of the examining divisions. This is necessary if classification is to be kept up to date.

PATENT INTERFERENCES.

Beginning about the first of the year 1914 the practice was adopted of submitting to one of the Law Examiners all prospective interferences before taking other steps looking to the declaration thereof. This practice has from the first resulted in the elimination of nearly one-third of the interferences which would presumably have been otherwise declared and has unified throughout the Office the standards whereby conclusions are reached as to the propriety of instituting interferences.

Beginning in the latter part of the year 1914, in cases where the difference of a year was found to exist between the filing dates of pending applications found to disclose and claim common patentable subject-matter, the practice was started of inquiring of the junior applicant his claimed dates of conception, and when the response disclosed a date of invention subsequent to the senior party's filing date the junior party was notified that no interference would be declared, but that the senior application would be allowed and when patented cited as a reference against the junior party's application. That procedure was found to result in a material reduction in the number of interferences declared, and especially of that type which when declared degenerated into what practically amounted to mere opposition proceedings. A mandamus resulting in the suspension of this practice was issued from the Supreme Court of the District of Columbia on April 29, 1915, in the case of *United*

States, ex rel. The National Cash Register Company, petitioner, v. Thomas Ewing, Commissioner of Patents, respondent. (At law, No. 57,970.) The judgment of the court in that case was, however, on July 1, 1915, vacated on motion of the petitioner. Thereafter the new practice was resumed and continued until a mandamus was issued, January 26, 1916, from the same court in the case of *United States, ex rel. The Fowler Car Company, petitioner, v. Thomas Ewing, Commissioner of Patents, respondent.* (At law, No. 58,768.) Upon appeal this decision was affirmed by the Court of Appeals of the District of Columbia, (45 App. D. C., 185; 226 O. G., 700,) and thereafter the matter was carried by writ of certiorari to the Supreme Court of the United States. That Court in a decision reported at 244 U. S., 1, (238 O. G., 983,) reversed the judgment of the lower court and directed that the petition be dismissed. Thereupon Rule 93 of the Rules of Practice was amended, the practice was resumed, and has since been followed. For some time the rule of resorting to this practice only when a year or more intervened between the filing dates of junior and senior parties has been discontinued, and junior parties have been requested to furnish information as to their dates of conception whenever it has been thought likely that responses would be obtained which would show that an interference need not be declared.

In general the practice works well, and its advantages are now widely recognized. The greatest difficulty is met with in instances where a junior party's application, ready for allowance, must be temporarily withheld until a senior party's application can be put in condition for allowance and patented. In such instances the Office makes special effort to obtain the issuance of the senior party's patent promptly. If undue delay of the junior party's application appears to be inevitable, an interference is declared.

During the year a total of 1,451 interference proposals were reviewed by the Law Examiner. Of these 678, or 47 per cent., were approved as submitted; 325, or 22 per cent., were approved after modification, and 448, or 31 per cent., were disapproved. Included in the proposals approved were 73 instances where new parties were added to existing interferences. A total of 930 new interferences were declared.

REQUIREMENT OF DIVISION.

There were 71,006 new applications for patents acted on during the year, and the number of first requirements of division was 5,806, or 1 in 12.23 new cases. This means that 8.18 per cent. of the cases filed required to be divided, as compared with 8.33 per cent. in 1916 and 8.98 per cent. in 1915.

It is probable that some further reduction in the percentage of cases required to be divided could be effected by reference to a Law Examiner of all first requirements. It would, however, be impossible for one man to look into so many cases.

Much of the time of the Law Examiner assigned to the question of division is now given to consideration, with the Examiner, of first requirements in cases where the propriety of the requirement is regarded as doubtful. Extension of this practice is desirable so far as possible, since the institution of the requirement of division followed by its subsequent disapproval is a waste of time for both the Office and the applicant.

Formal approval or disapproval of the final requirement of division, as required by rule 42, was given in 630 applications during this year, as compared with 793 in 1916. In these cases approval was given in 378, and in 252 (40 per cent.) the requirement was disapproved wholly or in part.

The decreased number of final requirements submitted is due, it is thought, to an increased care in making the requirements precise and exact in form and corresponding to distinct substantive inventions.

Trivial requirements, of which some instances formerly were found, have substantially disappeared. Requirements founded largely on different classification, but in which both groups of claims are based so largely upon common structure as to make a structural line difficult or impossible to draw, are of frequent occurrence. Lines of classification are defined, and by their definition are somewhat inflexible. Where claims to an invention go into one class by definition and other claims into another, but by the common purpose and result of structure dominant in both sets of claims are closely related and contribute to a single result, division is usually not desirable.

APPEALS TO THE COURT.

The appeals taken from the decisions of the Commissioner to the Court of Appeals of the District of Columbia and adjudicated during the calendar year are as follows:

Ex parte patent cases.....	16
Inter partes patent cases.....	21
Ex parte trade-mark cases.....	3
Inter partes trade-mark cases.....	18
Total	58

The Commissioner's decision was affirmed in thirty-two cases, reversed in eighteen cases, and eight cases were dismissed.

SCIENTIFIC LIBRARY.

During the year a special appropriation of \$20,000 was made by Congress for binding foreign patents in classified order. This appropriation is sufficient to cover the cost of binding sets of German, Austrian, and Swiss patents.

One set of German patents, beginning with No. 65,500 and ending with No. 258,300, the last received, has been arranged in 1,417 volumes and is now in process of binding. About sixty-five per cent. of these volumes have been bound and returned to the library to date, and it is expected to have them all back within two months.

It is estimated that there will be about seven hundred volumes of the Austrian and Swiss patents,

of which there are complete sets. The cost of binding these sets will use up about the whole of this appropriation. The work of preparing these volumes for binding is well under way, and it is expected that in about eight weeks they will all be at the bindery. This will give sufficient time to complete this work within the fiscal year.

During the present fiscal year there have also been bound, out of the regular appropriation for that purpose, 250 volumes of French patents in classified order.

The library has recently procured from the Library of Congress a depositary set of printed cards for a subject-and-author catalogue. These cards are descriptive of books treating of the pure and applied sciences and number some two hundred thousand. The work of typing the headings on these cards and arranging them in alphabetical order has been completed within the last year, so that the catalogue is now available for use by searchers. It is kept up to date by the entry of new cards, which are continually being received gratis from the Library of Congress, and is of great value to searchers by indicating to them the standard works in any particular art or branch of science.

Through the courtesy of the Norwegian and Indian patent offices the library has been fortunate during the past year in procuring complete sets of the patents issued by these offices from the beginning. The Norwegian is for the Examiners' files, the Indian for the original files kept in the library.

PRIMARY EXAMINERS' ADVISORY COMMITTEE (WAR).

Under the provisions of the act of October 6, 1917, (Public, No. 80,) authorizing the Commissioner of Patents to withhold the grant of a patent whenever the subject-matter of the invention in his opinion, if published or otherwise disclosed, might be detrimental to the public safety, convey useful information to or assist the enemy, there has been established a Primary Examiners' Advisory Committee of seven Primary Examiners from those divisions examining most of the war inventions to determine what patents should be withheld. Some five hundred cases, to date, have been submitted to the committee, and of this number it has ordered that 421 be withheld from issue.

Lists of these applications have been sent to the Federal Trade Commission, that their order of like import could be sent, and, further, to give notice of the penalty provided in section 10 (i) of the Trading with the Enemy Act (Public, No. 91) for any violations of the order prohibiting disclosure.

These acts work hardships on those inventors who need their patents to interest capital in the development to practical form of their inventions, as well as those whose inventions are being infringed by individuals other than the Government.

LEGISLATION.

I have prepared and sent to the Patent Committees in both the House and Senate copies of proposed bills providing, first, for the issuance of *subpœna duces tecum* in interference cases; second, extending the time nine months in which our allies may file applications for patent in this country after having filed abroad, (our enemies have already been granted that privilege under the Trading with the Enemy Act;) third, a reversal of fees in patent cases—namely, twenty dollars for the filing fee and fifteen dollars for the final fee—making these fees more nearly in accordance with what they were originally intended to cover, the filing fee being about the cost of the examination and the final fee that of printing the patent, the average cost of printing patents being something over twelve dollars, and, fourth, a bill to require clerks of United States courts to send to the Patent Office all decrees of the courts in patent cases.

BUILDING.

The entire Patent Office Building has been at last turned over to the use of the Patent Office alone, the office of the Secretary of the Interior having been moved to the new Interior Department Building, and temporarily the force is comfortably quartered; but this will only be temporary. Within the last twenty years the force has practically doubled in size, and it may reasonably be expected to repeat this growth in the next twenty years, for the field of invention is infinite. Hence there is just as much to invent as there ever was. Every pioneer invention opens a new art, giving rise to numerous improvements. Edison's phonograph patent has been followed by hundreds of improvement patents that would never have existed had not the phonograph been invented, and as inventors and inventions increase the Office force must accordingly increase.

We are planning to utilize eventually every foot of space available for storage or other purposes, for the building cannot well be enlarged, especially if its present architectural beauty is to be preserved. It is now one of the most beautiful, if not the most pleasing in appearance, of all the Government buildings, and it is appropriately so, being the headquarters of a system the sole purpose of which is to add to the sum of human comforts, not by taking away anything from anybody, but by encouraging inventive genius to produce new and better things.

PERSONNEL.

An unusual number of changes in the personnel of the examining corps has marked the year just closed.

Out of a total membership of 419 at present constituting said corps vacancies have been caused as follows:

By death:	
Principal Examiners.....	2
First Assistant Examiner.....	1
Fourth Assistant Examiner.....	1
By resignation:	
Law Examiner.....	1
First Assistant Examiners.....	7
Second Assistant Examiners.....	18
Third Assistant Examiners.....	30
Fourth Assistant Examiners.....	17
Total	77

Of those resigning the following have done so to enter the Army or Navy:

First Assistant Examiners.....	2
Second Assistant Examiners.....	8
Third Assistant Examiners.....	10
Fourth Assistant Examiners.....	11

On October 6, 1917, the corps was enlarged through act of Congress by adding thereto one Examiner of Interferences, two Principal Examiners, and four Assistant Examiners in each grade.

Some difficulty has been experienced in filling the vacancies created by these additions and the many resignations. Resignations from the corps are only accepted when the Examiner is drafted or resigns to enter the Army or Navy. The Civil Service Commission held four examinations during the year, resulting in the certification of fifty-four men and one woman as eligibles for appointment. Several of these, however, were unwilling or unable to accept appointment, and it has been found necessary to make a number of temporary appointments to the position of fourth Assistant Examiner. Thirty-five such appointments were made during the year, and in each instance the qualifications of the appointee were inquired into carefully and his probable ability to pass the civil-service examination ascertained before appointment. It has been the intention in making temporary appointments to keep up the standard of scholarship and ability established and maintained through the regular civil-service examination.

On December 31, 1917, there were twenty-five temporary appointees at work in the Office, all of whom expect to take the next civil-service examination to gain a permanent appointment.

Respectfully submitted.

J. T. NEWTON,
Commissioner of Patents.

ALPHABETICAL LIST

OF

PATENTEEES FOR THE YEAR 1917.

[Patentees of Designs, Trade-Marks, Labels, and Prints, and parties who have filed Disclaimers follow this in separate indexes, but precede the Alphabetical List of Inventions.]

- A. Geo. Schulz Co. (See Graffenberger, Friedrich, assignor.)
- A. Kimball Co. (See Anthony, Marcus O., assignor.)
- A. Kimball Company. (See Roche, William J., assignor.)
- A. Kimball Company. (See Wallin, Gustaf A., assignor.)
- A. Ransome & Company. (See Wills, William, assignor.)
- A. Schrader's Son. (See Allen, William A., assignor.)
- A. Schrader's Son. (See Bowden, Junius A., assignor.)
- A. Schrader's Son. (See Myers, Eugene V., assignor.)
- A. Schrader's Son. (See Nielsen, Frederik, assignor.)
- A. Schrader's Son, Inc. (See Wahl, John, assignor.)
- A. Schrader's Son, Incorporated. (See Henemler, Robert H., assignor.)
- A. B. Dick Company. (See Brasseur, Ernest J., assignor.)
- A. B. Dick Company. (See Dick, Albert B., assignor.)
- A. B. Dick Company. (See Fuller, Louis E., assignor.)
- A. B. Dick Company. (See Hill, Edward W., assignor.)
- A-B-Stove Company. (See Berry, Frank K., assignor.)
- A. B. C. Starter Company. (See Allison, Fred, assignor.)
- A-B-C Starter Company. (See Churchward, Alexander, assignor.)
- A. C. Gilbert Company, The. (See Gilbert, Alfred C., assignor.) (Reissue.)
- A. C. K. Belting Co. (See Kaplan, Jacob, assignor.)
- A. & F. Brown Company, The. (See Woodward, Arthur C., assignor.)
- A. F. Meisselbach & Brother. (See Sanders, Louis E., assignor.)
- A. G. Perry Plow Co. (See Poe, Albert S., assignor.)
- A. G. Spalding & Bros. (See McCarthy and O'Brien, assignors.)
- A. G. Spalding & Bros. (See Pierce, George L., assignor.)
- A. G. Spalding & Bros. Mfg Co. (See Horne, Archibald E., assignor.)
- A. J. Kirstin Company. (See Kirstin, Alfred J., assignor.)
- A. J. Lindemann & Hoverson Co. (See Brennan, John S., assignor.)
- A. J. Lindemann & Hoverson Co. (See Lindemann, Walter C., assignor.)
- A. & J. Manufacturing Co., The. (See Hendery, Harry C., assignor.)
- A. J. Nystrom & Co. (See Swanson, Frank H., assignor.)
- A. L. Powell Power Company, The. (See Powell, Alvah L., assignor.)
- A. M. Collins Manufacturing Company. (See Gillbee, Manuel A. T., assignor.)
- A. O. Smith Company. (See Schwab, Leon C., assignor.)
- A. R. Mosler & Co. (See Mosler, Arthur R., assignor.)
- A/S Carl Axelsens Jernstoberi & Maskinfabrik. (See Möller, Valdemar F., assignor.)
- A. T. Ferrell & Co. (See Chisholm, Thomas P., assignor.)
- A. T. Harrow Tractor Company. (See Sweet, Howard M., assignor.)
- A-Z Company, The. (See De Fèvre and Woodbridge, assignors.)
- Aagaard, Hans L., Hamlin, Iowa. Latch. No. 1,229,564; June 12; v. 239; p. 451.
- Aalborg, Christian, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Driving connection for motor-driven fans. No. 1,222,512; Apr. 10; v. 237; p. 560.
- Aalborg, Christian, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Oscillating fan-motor. No. 1,241,599; Oct. 2; v. 243; p. 43.
- Aalborg, Christian, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Oscillating fan. No. 1,241,600; Oct. 2; v. 243; p. 44.
- Aalborg, Christian, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Trolley. No. 1,241,601; Oct. 2; v. 243; p. 44.
- Aalborg, Christian, and S. C. Hoey, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Post-type arc-lamp. No. 1,231,549; July 3; v. 240; p. 3.
- Aalblue, Oluf F., Brooklyn, N. Y. Chemical fire-extinguishing device. No. 1,220,162; Mar. 27; v. 236; p. 897.
- Aaron, Albert, and G. M. Jones, Gloversville, assignors to Louis Meyers & Son, New York, N. Y. Treating leather for gloves. No. 1,230,358; June 19; v. 239; p. 750.
- Aaron, Arthur H., and E. A. Teeter, Franklin, Pa. Combined fender, absorber, and brake-set for automobiles. No. 1,246,372; Nov. 13; v. 244; p. 399.
- Aaron, Mabel, Stockton, Cal. Paper holder for typewriters. No. 1,247,062; Nov. 20; v. 244; p. 637.
- Aaron, Solomon E., Boston, Mass. Combination stripping and splitting pliers. No. 1,222,513; Apr. 10; v. 237; p. 561.
- Aase, Karl L., Seward, Alaska. Spike. No. 1,237,142; Aug. 14; v. 241; p. 552.
- Aasen, Niels W., Copenhagen, Denmark. Safety device for shells. No. 1,214,253; Jan. 30; v. 234; p. 1467.
- Aasen, Niels W., Copenhagen, Denmark. Gun. No. 1,218,349; Mar. 6; v. 236; p. 161.
- Aasen, Niels W., Copenhagen, Denmark. Safety device for shells. No. 1,224,885; May 8; v. 238; p. 323.
- Abadie, Jean L., Santa Barbara, Cal. Portable serving-table. No. 1,235,539; Aug. 7; v. 241; p. 3.
- Abadie, Jean L., Santa Barbara, Cal. Portable serving-buffet. No. 1,240,163; Sept. 18; v. 242; p. 523.
- Abadie, Louis, Abbeville, La. Holder for insecticides. No. 1,236,245; Aug. 7; v. 241; p. 231.
- Abbate, Nicholas G., New York, N. Y. Oyster-opening machine. No. 1,228,383; June 5; v. 239; p. 3.
- Abbott, Edgar J., Houston, Tex. Silo. No. 1,228,278; May 29; v. 238; p. 1574.
- Abbey, Simeon A. (See Buxton and Abbey.)
- Abbott, Alfred S., Springfield, Mo., assignor of one-third to J. E. Buker, Chicago, Ill., and one-third to J. F. Long, Springfield, Mo. Jig. No. 1,230,974; June 26; v. 239; p. 994.
- Abbott, Cecil C., Harbor Springs, Mich. Device for trimming the tips of billiard-cues. No. 1,227,025; May 22; v. 238; p. 1128.
- Abbott, Charles C., assignor to Robbins, Gamewell & Company, Pittsfield, Mass. Link for sprinkler-heads. No. 1,243,793; Oct. 23; v. 243; p. 839.
- Abbott, Chauncey W., Auburn, N. Y., assignor to The American Conduit Manufacturing Company, Pittsburgh, Pa. Electrical conduit. No. 1,225,553; May 8; v. 238; p. 549.
- Abbott, Chauncey W., Auburn, N. Y., H. R. Gilson, Baden, and J. M. G. Fullman, Sewickley, assignors to National Metal Molding Company, Pittsburgh, Pa. Circuit extension-box. No. 1,228,731; June 5; v. 239; p. 121.
- Abbott, Franklin E., Buffalo, assignor to Lackawanna Steel Company, New York, N. Y. Base-plate for rail-joints. No. 1,231,543; June 26; v. 239; p. 1183.
- Abbott, George E., Hartford, Conn. Ball-forming machine. No. 1,226,435; May 15; v. 238; p. 891.
- Abbott, Harley L., Battle Creek, Mich. Automobile-lock. No. 1,228,633; June 5; v. 239; p. 88.
- Abbott, Harry R. (See Puckett and Abbott.)
- Abbott, Leonard G., Boston, Mass. Bottle-stopper. No. 1,212,871; Jan. 16; v. 234; p. 927.
- Abbott, Robert J., Washington, D. C. Rack for cooking utensils. No. 1,211,269; Jan. 2; v. 234; p. 309.
- Abe, Hikokichi, assignor to J. Endow, Yamagata-Ken, Japan. Master-clock. No. 1,245,654; Nov. 6; v. 244; p. 156.
- Abegg, Fritz, Perth Amboy, N. J., assignor to The Reessler & Hasslacher Chemical Co., New York, N. Y. Cyanid in the form of granules. No. 1,232,471; July 10; v. 240; p. 345.
- Abegg, Julius. (See Nilson and Abegg.)
- Abel, Albert E., Wilkinsburg, and T. H. Davies, Black Lick, assignors to The Marshall Foundry Company, Pittsburgh, Pa. Molding apparatus. No. 1,233,949; July 17; v. 240; p. 861.
- Abel, Walter T., assignor to The Patent Button Company, Waterbury, Conn. Button. No. 1,221,009; Apr. 3; v. 237; p. 3.
- Abeles, James A. (See Myers, Morton E., assignor.)
- Abell, Rollin, Boston, Mass. Flexible shafting. No. 1,224,886; May 8; v. 238; p. 323.
- Abels, Herman F. (See Lathrop and Abels.)
- Abendroth, Elmer T., assignor to Western Steel & Iron Works, De Pere, Wis. Stanchion. No. 1,223,922; Apr. 24; v. 237; p. 1124.
- Aber, Edgar, St. Joseph, Mich. Saw-set. No. 1,223,923; Apr. 24; v. 237; p. 1124.

- Abercrombie, Charles M., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Power-transmitting connection. No. 1,231,110; June 26; v. 239; p. 1041.
- Abercrombie, David T., Newark, N. J., assignor to David T. Abercrombie Company, New York, N. Y. Pack-carrier. No. 1,217,262; Feb. 27; v. 235; p. 1104.
- Abercrombie, Lewis R., Portland, Oreg. Silo-door lock. No. 1,229,851; June 12; v. 239; p. 547.
- Abercrombie, Lewis R., Portland, Oreg. Silo. No. 1,250,936; Dec. 25; v. 245; p. 853.
- Aberegg, Otto, assignor to Hasler A. G. Vormalis Telegraphen-Werkstaette Von G. Hasler, Berne, Switzerland. Time-recording mechanism. No. 1,234,708; July 31; v. 240; p. 1175.
- Aberle, Edward M., *et al.* (See Everson, Ervin E., assignor.)
- Aberle, William J., *et al.* (See Everson, Ervin E., assignor.)
- Aberle, William J., St. Paul, Minn. Overflow-signal. No. 1,213,444; Jan. 23; v. 234; p. 1161.
- Abernathy, Boyd, assignor of one-half to A. A. Fain, Murphy, N. C. Automatic liquid-dispensing machine. No. 1,229,852; June 12; v. 239; p. 547.
- Abernathy, George J. (See Amos and Abernathy.)
- Abernethy, Eugene C., Hollis, Okla. Vehicle-spring. No. 1,215,232; Feb. 6; v. 235; p. 261.
- Abigt, William, and E. B. Leonard, Evansville, Ind. Combination coal and gas range. No. 1,212,434; Jan. 16; v. 234; p. 774.
- Aborn, George P., Brookline, Mass. Operating mechanism for liquid-flow meters and recorders. No. 1,237,736; Aug. 21; v. 241; p. 783.
- Abraham, Adolph, Rockford, Ill. Comb-cleaner. No. 1,237,268; Aug. 21; v. 241; p. 629.
- Abraham, Adolph, Rockford, Ill. Folding table. No. 1,237,269; Aug. 21; v. 241; p. 629.
- Abraham, Gabriel. (See Grabau, Hans E., assignor.)
- Abraham, Herbert, New York, N. Y. Roofing material. No. 1,226,738; May 22; v. 238; p. 1028.
- Abraham, Herbert, New York, N. Y., assignor to The Standard Paint Company. Roofing-fastener. No. 1,237,270; Aug. 21; v. 241; p. 629.
- Abrahams, Edward S., Indianapolis, Ind. Illuminator for speedometers and gages. No. 1,212,306; Jan. 16; v. 234; p. 730.
- Abrahams, Julius, Philadelphia, Pa. Attaching device. No. 1,235,631; Aug. 7; v. 241; p. 33.
- Abrahamson, Nils S., Los Angeles, Cal. Ocean-power. No. 1,226,937; May 22; v. 238; p. 1096.
- Abram Cox Stove Company. (See Wood and Epright, assignors.)
- Abrams, Harvey and H. C., Long Pine, Nebr. Curtain and shade hanger. No. 1,221,264; Apr. 3; v. 237; p. 93.
- Abrams, Hicks C. (See Abrams, Harvey and H. C.)
- Abrams, Isidor, New York, N. Y. Coin-receiver for newspaper-stands. No. 1,232,160; July 3; v. 240; p. 211.
- Abrams, Sarah. (See Riley, Juil, assignor.)
- Abramson, Alfred C., Rockford, Ill. Piano bench and cabinet. No. 1,227,229; May 22; v. 238; p. 1197.
- Abramson, Alfred C., Rockford, Ill. Decorative illuminating means. No. 1,250,120; Dec. 18; v. 245; p. 559.
- Abramson, Herbert, Benson, Minn. Miter-box. No. 1,222,514; Apr. 10; v. 237; p. 561.
- Abramson, Samuel, Philadelphia, Pa. Fire-escape. No. 1,216,041; Feb. 13; v. 235; p. 587.
- Abramson, Samuel, Philadelphia, Pa. Portable fire-escape. No. 1,229,394; June 12; v. 239; p. 393.
- Absalom, George M., Caistorville, Ontario, Canada. Transmission device for tractors. No. 1,243,912; Oct. 23; v. 243; p. 875.
- Absecon Manufacturing Company. (See Wyand, William, assignor.)
- Abtmeyer, Theodore, Wilkinsburg, and F. Thornton, Jr., Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Electric heating device. No. 1,236,642; Aug. 14; v. 241; p. 390.
- Accounting Devices Company. (See Jones, William G., assignor.)
- Acetylene Illuminating Company. (See Stephenson, Arthur, assignor.)
- Acetylene Stove Manufacturing Company, The. (See Hopkins, George W., assignor.)
- Achert, William K., Norwood, assignor to The United States Printing and Lithograph Company, Cincinnati, Ohio. Display device. No. 1,250,937; Dec. 25; v. 245; p. 853.
- Acheson Corporation. (See Acheson, Edward G., assignor.)
- Acheson, Edward G., assignor to Acheson Corporation, New York, N. Y. Deflocculating solid materials. No. 1,223,350; Apr. 24; v. 237; p. 923.
- Acheson, William, Superior, Nebr. Concrete-mixing machine. No. 1,211,270; Jan. 2; v. 234; p. 309.
- Achtmeyer, William, Middletown, Conn. Endless-web belt. No. 1,225,554; May 8; v. 238; p. 549.
- Achtmeyer, William, Middletown, Conn. Web-fastener. No. 1,225,555; May 8; v. 238; p. 550.
- Acker, Edward L. (See Glasgow and Acker.)
- Acker, Frederick J., Jr., Philadelphia, Pa. Ventilator. No. 1,249,878; Dec. 11; v. 245; p. 452.
- Acker, Julius J. (See Bundy, Cyrus L., assignor.)
- Ackerman, Albert A., Jr. (See Dosch and Ackerman.)
- Ackerman, Charles H., Milwaukee, Wis. Respiratory system for smoke-helmets. No. 1,215,327; Feb. 13; v. 235; p. 329.
- Ackerman, Edward L., assignor to Joseph N. Smith & Company, Detroit, Mich. Hinge or pivot construction for wind-shields. No. 1,243,794; Oct. 23; v. 243; p. 839.
- Ackerman, William. (See Nicholas and Ackerman.)
- Ackerson, Charles W., Westerville, Ohio. Wire-splicing tool. No. 1,237,441; Aug. 21; v. 241; p. 686.
- Ackley, Amos, Camden, N. J. Weather-strip. No. 1,216,042; Feb. 13; v. 235; p. 587.
- Acme Automatic Street Indicating Company, The. (See Small, Thomas W., assignor.)
- Acme Metal Stamping Company, The. (See Bayliss and Raus, assignors.) (Reissue.)
- Acme Paper Curing Co. (See Barnes, Edward M., assignor.)
- Acme Printing Appliance Company. (See Schussler, John H., assignor.)
- Acme Scale Co. (See Barson, Harry W., assignor.)
- Acme Screen Door Manufacturing Company. (See Olsen, Alfred N., assignor.)
- Acme Steel Goods Company. (See Fork, William C., assignor.)
- Acme Steel Goods Company. (See MacMurray, James E., assignor.)
- Acme Steel Goods Company. (See Norton and MacKenzie, assignors.)
- Acme Supply Company, The. (See Schroyer, Harry H., assignor.)
- Acocella, Philip F., New York, N. Y. Attachment for notched collars. No. 1,221,010; Apr. 3; v. 237; p. 3.
- Actien Gesellschaft für Anilin Fabrikation. (See Bergami and Saemann, assignors.)
- Actien Gesellschaft für Anilin Fabrikation. (See Clausius, Schöner, and Siebert, assignors.)
- Actien Gesellschaft für Anilin Fabrikation. (See Heilmann, Heinrich, assignor.)
- Actien Gesellschaft für Anilin Fabrikation. (See Kirchhoff, Dedichen, and Lange, assignors.)
- Actus Carbureter & Manufacturing Co. (See Prochaska, Carroll W., assignor.)
- Adam, Fredrick B., assignor to Frank Adam Electric Company, St. Louis, Mo. Fan-hanger outlet. No. 1,244,454; Oct. 30; v. 243; p. 1075.
- Adam, John C., North Kensington, London, England. Carbureter. No. 1,241,461; Sept. 25; v. 242; p. 960.
- Adamo, Angelo, Detroit, Mich. Electric fan. No. 1,243,238; Oct. 16; v. 243; p. 635.
- Adams Air Brake Company. (See Adams, John A., assignor.)
- Adams, Albert H., *et al.* (See Graham, Leslie B., assignor.)
- Adams, Albert L., Cedar Rapids, Iowa. Handle. No. 1,213,136; Jan. 23; v. 234; p. 1053.
- Adams, Albert L., Cedar Rapids, Iowa. Handle. No. 1,221,403; Apr. 3; v. 237; p. 141.
- Adams, Albert L., Cedar Rapids, Iowa. Shovel. No. 1,233,435; July 17; v. 240; p. 694.
- Adams, Albert L., Cedar Rapids, Iowa. Shovel. No. 1,233,740; July 17; v. 240; p. 793.
- Adams, Alfred C., Peckham, London, England. Mud-guard for motor and other vehicles. No. 1,227,026; May 22; v. 238; p. 1128.
- Adams, Allen F., Madrid, Iowa. Acetylene miner's lamp. No. 1,238,729; Sept. 4; v. 242; p. 3.
- Adams, Alonzo T., Moline, assignor to Marselles Company, East Moline, Ill. Machine-brake. No. 1,238,075; Aug. 28; v. 241; p. 919.
- Adams, Anna D., Chicago, Ill. Toilet-receptacle. No. 1,230,453; June 19; v. 239; p. 781.
- Adams, Arthur H., Sparkill, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Apparatus for reflecting light-rays. No. 1,223,752; Apr. 24; v. 237; p. 1066.
- Adams, Arthur H., Sparkill, assignor to Western Electric Company, Incorporated, New York, N. Y. Impulse-transmitting device. No. 1,238,076; Aug. 28; v. 241; p. 919.
- Adams, Arthur H., Sparkill, and A. E. Lundell, assignors to Western Electric Company, Incorporated, New York, N. Y. Selector-switch. No. 1,233,831; July 17; v. 240; p. 822.
- Adams, Arthur J., Heywood, near Westbury, England. Springing of vehicles. No. 1,214,254; Jan. 30; v. 234; p. 1468.
- Adams-Bagnall Electric Company, The. (See Mould, Edmund F., assignor.)
- Adams, Benton C., Miles City, Mont. Attachment for riding-saddles. No. 1,226,623; May 22; v. 238; p. 991.
- Adams, Charles M., Buckhead, assignor of one-half to J. H. Hirsch, Atlanta, Ga., and one-half to M. Van Gelder, Chicago, Ill. Mattress-making machine. No. 1,242,303; Oct. 9; v. 243; p. 306.
- Adams, Charles S., Buffalo, N. Y., assignor to Rice & Adams Corporation. Valve for filling bottles. No. 1,239,068; Sept. 4; v. 242; p. 111.
- Adams, Charles S., Buffalo, N. Y., assignor to Rice & Adams Corporation. Valve for filling bottles. (Reissue.) No. 14,400; Dec. 4; v. 245; p. 251.
- Adams, Clara, Brooklyn, N. Y. Barrette. No. 1,234,108; July 24; v. 240; p. 947.

Alphabetical list of patentees—Continued.

- Adams, Clarence M., Rossville, Ga. Permutation-lock. No. 1,214,109; Jan. 30; v. 234; p. 1418.
- Adams Coal Machinery Company, The. (See Adams, Henry, assignor.)
- Adams, Comfort A. (See Barker and Adams.)
- Adams, Edgar W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric signaling system. No. 1,245,417; Nov. 6; v. 244; p. 82.
- Adams, Edward A. (See Adams, John A., assignor.)
- Adams, Edward L., Bradford, Pa. Garment receptacle and hanger. No. 1,228,732; June 5; v. 239; p. 122.
- Adams, Ernest A., Sumner, Wash. Funnel. No. 1,246,033; Nov. 13; v. 244; p. 297.
- Adams, Ferdinand W., Saginaw, Mich. Detachable shoe upper or overgaiter. No. 1,248,239; Nov. 27; v. 244; p. 1006.
- Adams, Frank H., Cleveland, Ohio. Automatic brake mechanism for phonographs. No. 1,212,872; Jan. 16; v. 234; p. 928.
- Adams, Frank L., Radnor, assignor, by mesne assignments, to himself and C. E. Kagay, Richwood, Ohio. Silo. No. 1,232,161; July 3; v. 240; p. 212.
- Adams, Frank L., Radnor, assignor, by mesne assignments, to himself and C. E. Kagay, Richwood, Ohio. Distributer. No. 1,247,480; Nov. 20; v. 244; p. 757.
- Adams, Fred G., Roscoe, Mont. Carbureter. No. 1,242,630; Oct. 9; v. 243; p. 410.
- Adams, Frederick T., Vancouver, British Columbia, Canada. Transmission mechanism. No. 1,242,106; Oct. 2; v. 243; p. 202.
- Adams, George, Dartmoor, W. Va. Mine-cap. No. 1,217,547; Feb. 27; v. 235; p. 1207.
- Adams, George, Brooklyn, N. Y. Rack. No. 1,237,010; Aug. 14; v. 241; p. 510.
- Adams, George A., San Jose, Cal. Coin-controlled chair. No. 1,221,265; Apr. 3; v. 237; p. 93.
- Adams, George C., San Francisco, Cal. Cremation-furnace. No. 1,212,307; Jan. 16; v. 234; p. 730.
- Adams, George L. (See Hess, Clare W., assignor.)
- Adams, Gridley, Chicago, Ill. Carburetor-governor. No. 1,234,995; July 31; v. 240; p. 1264.
- Adams, Harry A., Boston, Mass., assignor to J. F. Ryan, Bellows Falls, Vt. Strip-serving device. No. 1,212,873; Jan. 16; v. 234; p. 928.
- Adams, Harry A., assignor to H. Hoge, New York, N. Y. Strip-handling apparatus. No. 1,231,157; July 10; v. 240; p. 568.
- Adams, Henry, Stamford, Conn. Centrifugal table. No. 1,221,951; Apr. 10; v. 237; p. 364.
- Adams, Henry, Stamford, Conn. Centrifugal pulverizer. No. 1,221,952; Apr. 10; v. 237; p. 365.
- Adams, Henry, New London, Conn. Method of and apparatus for storing and discharging coal, &c. No. 1,234,710; July 31; v. 240; p. 1175.
- Adams, Henry, assignor to The Adams Mining Machinery Corporation, New London, Conn. Non-attrition process of and apparatus for washing and sorting coal. No. 1,224,350; May 1; v. 238; p. 85.
- Adams, Henry, assignor to The Adams Coal Machinery Company, New London, Conn. Method of and apparatus for storing and discharging coal, &c. No. 1,234,709; July 31; v. 240; p. 1175.
- Adams, Henry S., and T. Mincher, Viburnum, Mo. Stump-puller. No. 1,229,853; June 12; v. 239; p. 548.
- Adams, J. Clay, Weir City, Kans. Bin. No. 1,219,367; Mar. 13; v. 236; p. 551.
- Adams, James D., and A. G. Johnson, Monessen, assignors to Pittsburgh Steel Co., Pittsburgh, Pa. Core for wire-reels. No. 1,239,069; Sept. 4; v. 242; p. 112.
- Adams, James L., Jr., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting mechanism for automobiles. No. 1,248,776; Dec. 4; v. 245; p. 103.
- Adams, James R., Beggs, Okla. Weather-strip. No. 1,233,536; July 17; v. 240; p. 727.
- Adams, John A., Toronto, Ontario, assignor to E. A. Adams, Montreal, Canada. Cushioned heel-pad for boots and shoes. No. 1,211,806; Jan. 9; v. 234; p. 524.
- Adams, John A., Nogales, Ariz., assignor to Adams Air Brake Company. Combined automatic and straight air valve mechanism. No. 1,215,895; Feb. 13; v. 235; p. 532.
- Adams, John A., Nogales, Ariz., assignor, by mesne assignments, to Adams Air Brake Company. Combined automatic and straight air valve mechanism. No. 1,217,130; Feb. 27; v. 235; p. 1061.
- Adams, John P., and G. I. Leonard, Chicago, Ill. Window-ventilator. No. 1,241,185; Sept. 25; v. 242; p. 875.
- Adams, Jordan, London, England. Rotary-cylinder internal-combustion engine. No. 1,236,643; Aug. 14; v. 241; p. 391.
- Adams, Joseph W., and R. L. Carrick, Lexington, Ky. Root-cutter. No. 1,211,655; Jan. 9; v. 234; p. 471.
- Adams, Louis E., Raven, Alberta, Canada. Vegetable-cutter. No. 1,230,640; June 19; v. 239; p. 845.
- Adams, Lucius G. (See Herzog and Medlock, assignors.)
- Adams Mining Machinery Corporation, The. (See Adams, Henry, assignor.)
- Adams, Nathan H. (See Palmer and Adams.)
- Adams, Perde, Newton, Ga. Collapsible boat. No. 1,246,373; Nov. 13; v. 244; p. 399.
- Adams, Porter H., Brookline, Mass. Needle attachment. No. 1,215,328; Feb. 13; v. 235; p. 329.
- Adams-Randall, Charles, Boston, Mass. Telephone system. No. 1,217,548; Feb. 27; v. 235; p. 1207.
- Adams-Randall, Charles, Boston, Mass. Electric-telegraph system. No. 1,221,814; Apr. 10; v. 237; p. 315.
- Adams, Reed, Lapeer, Mich. Printing apparatus. No. 1,221,815; Apr. 10; v. 237; p. 315.
- Adams, Robert H., Ridgewood, N. J., and H. Beatty, Hinsdale, Ill. Butter substitute. No. 1,247,482; Nov. 20; v. 244; p. 757.
- Adams, Robert H., Ridgewood, N. J., and H. Beatty, Hinsdale, Ill. Butter substitute. No. 1,247,483; Nov. 20; v. 244; p. 758.
- Adams, Rollin A. (See Mulnix and Adams.)
- Adams, Sherwood H., assignor to J. Rothschild, San Francisco, Cal. Receptacle for cigarette-wrappers and tobacco. No. 1,222,254; Apr. 10; v. 237; p. 470.
- Adams, Thomas F. (See Konar, John, assignor.)
- Adams, Walter S., assignor to The J. G. Brill Company, Philadelphia, Pa. Universal joint. No. 1,225,303; May 8; v. 238; p. 465.
- Adams, Walter S., assignor to The J. G. Brill Company, Philadelphia, Pa. Journal-box lid. No. 1,240,002; Sept. 11; v. 242; p. 437.
- Adams & Westlake Company, The. (See Hamm, Legge, and Krohn, assignors.)
- Adams, Willard G., Weedsport, N. Y. Tone-arm for phonographs. No. 1,236,644; Aug. 14; v. 241; p. 391.
- Adams, William A. (See Skublin, Charles P., assignor.)
- Adams, William C., Upland, Cal. Oil-burning heater. No. 1,222,346; Apr. 10; v. 237; p. 503.
- Adams, William H., Kenyon, R. I. Waterproof fabric and coating. No. 1,231,687; July 3; v. 240; p. 51.
- Adams, William S. (See Cole, Clifford M., assignor.)
- Adamsen, James J., Seattle, Wash. Vehicle-wheel. No. 1,239,658; Sept. 11; v. 242; p. 327.
- Adamson, Charles E., Buffalo, N. Y., assignor to Addressograph Company, Chicago, Ill. Addressing attachment for duplicating-machines. No. 1,220,581; Mar. 27; v. 236; p. 1044.
- Adamson, Charles E., Buffalo, N. Y., assignor to Addressograph Company, Chicago, Ill. Name-plate for duplicating-machines. No. 1,242,117; Oct. 9; v. 243; p. 247.
- Adamson, Charles E., Buffalo, N. Y., assignor to Addressograph Company, Chicago, Ill. Type-rack. No. 1,250,121; Dec. 18; v. 245; p. 559.
- Adamson, Charles E., Marion, Ind., assignor to Addressograph Company, Chicago, Ill. Duplicating-machine. No. 1,220,582; Mar. 27; v. 236; p. 1045.
- Adamson, Charles E., Marion, Ind., assignor to Addressograph Company, Chicago, Ill. Duplicating-machine. No. 1,220,583; Mar. 27; v. 236; p. 1045.
- Adamson, Frank M. (See Miller and Adamson.)
- Adamson, Lee H., Rogers, Ark. Device for pulling automobiles from mud-holes. No. 1,219,210; Mar. 13; v. 236; p. 497.
- Adamson, Lee H., Rogers, Ark. Device for pulling automobiles from mud-holes. No. 1,241,472; Sept. 25; v. 242; p. 964.
- Adapto Mfg. Co., The. (See Patterson, Horace L., assignor.)
- Addachine Manufacturing Company, The. (See Rodolf, Fred W., assignor.)
- Adder Machine Company, The. (See Bickford, Frank H., assignor.)
- Adder Machine Company. (See Hunter and Kuntzler, assignors.)
- Adder Machine Company, The. (See Pentecost, Arthur, assignor.)
- Adder Machine Company, The. (See Reiridon, Joseph F., assignor.)
- Addison, Harry M., San Diego, Cal. Signal device for vehicles. No. 1,251,165; Dec. 25; v. 245; p. 920.
- Addison, Josiah, Broughton, Ill. Cake-turner. No. 1,224,351; May 1; v. 238; p. 86.
- Addison, William J., assignor of one-half to A. K. Boyer, St. Louis, Mo. Roller car-door hanger. No. 1,225,098; May 8; v. 238; p. 396.
- Addleman, Frank P., Austin, Colo. Beet lifting and digging device. No. 1,211,030; Jan. 2; v. 234; p. 226.
- Addometer Corporation. (See Albertson, Ernest H., assignor.)
- Addometer Corporation. (See Burdick, Herbert, assignor.)
- Addometer Corporation. (See De Camp, Witsel R., assignor.)
- Addometer Corporation. (See De Camp, Burdick, and Dooley, assignors.)
- Addometer Corporation. (See Dooley, James H., assignor.)
- Addometer Corporation. (See Fuhrmann, Warren, assignor.)
- Addometer Corporation. (See Fuhrmann and Squarey, assignors.)
- Addressograph Co. (See Bailey and Kalusowski, assignors.)
- Addressograph Company. (See Adamson, Charles E., assignor.)
- Addressograph Company. (See Duncan, Joseph S., assignor.)
- Addressograph Company. (See Hall, John B., assignor.)

- Adelberger, John. (See Turner, Charles H., assignor.)
 Adell, John A. (See Harris and Adell.)
 Adelman, Samuel. (See Arkin and Adelman.)
 Adelsperger, Charles C., assignor to Union City Body Company, Union City, Ind. Automobile-door. No. 1,230,359; June 19; v. 239; p. 750.
 Adey, Benjamin, Newton Center, Mass. Support for sheet material in building construction. No. 1,230,093; June 19; v. 239; p. 661.
 Adjusta Company. (See Benson, Cyrus, assignor.)
 Adjustable Artificial Limb Company, The. (See Eisen, William M., assignor.)
 Adkins, Everett E., Alexandria, S. D. Oil-can. No. 1,247,481; Nov. 20; v. 244; p. 757.
 Adkins, Frank A., et al. (See Wilsey, Irven H., assignor.)
 Adler, Bror A., Chicago, Ill. Automobile driving mechanism. No. 1,218,613; Mar. 6; v. 236; p. 251.
 Adler, Bror A., assignor to P. A. Lorenz, Chicago, Ill. Differential clutch mechanism. No. 1,224,124; May 1; v. 238; p. 3.
 Adom, Movsess B., White Plains, N. Y. Rendering textile fabrics antique. No. 1,227,361; May 22; v. 238; p. 1239.
 Adrian, Sylvester F. (See Scholl and Adrian.)
 Adsit, Frank, Chicago, Ill. Mechanical rectifier. No. 1,212,874; Jan. 16; v. 234; p. 929.
 Adsit, Frank W. (See Wise, Anthony, assignor.)
 Adsit, Frank W., Minneapolis, Minn. Telephone lockout system. No. 1,217,081; Feb. 20; v. 235; p. 997.
 Adsit, Frank W., Minneapolis, Minn. Intercommunicating lockout telephone system. No. 1,228,634; June 5; v. 239; p. 88.
 Adsit, Frank W., Chicago, Ill. Photometer. No. 1,244,159; Oct. 23; v. 243; p. 948.
 Adsit, Frank W., Chicago, Ill. Brake. No. 1,246,831; Nov. 20; v. 244; p. 571.
 Adsit, Frank W., St. Paul, assignor to Adsit General Electric Company, Minneapolis, Minn. Selective lockout telephone system. No. 1,214,638; Feb. 6; v. 235; p. 54.
 Adsit, Frank W., assignor to Adsit General Electric Company, Minneapolis, Minn. Telephone-exchange apparatus. No. 1,217,080; Feb. 20; v. 235; p. 996.
 Adsit General Electric Company. (See Adsit, Frank W., assignor.)
 Adt, Leo F., Albany, N. Y. Eyeglass-guard. No. 1,239,245; Sept. 4; v. 242; p. 169.
 Advance Machine Co. (See Antoine and Black, assignors.)
 Advance Machine Co. (See Antoine, Gebert, and Travis, assignors.)
 Advance-Rumely Company. (See Cahall, William H., assignor.)
 Advance-Rumely Company. (See Hawn, Andrew P., assignor.)
 Aebli, Henry, Portland, Oreg. Pipe-coupling. No. 1,228,733; June 5; v. 239; p. 122.
 Aeolian Company, The. (See Dickinson, Joseph H., assignor.)
 Aeolian Company, The. (See Empson, Frederick J., assignor.)
 Aeolian Company, The. (See Packman, Percival J., assignor.)
 Aeolian Company, The. (See Prettie, Richard J., assignor.)
 Aeolian Company, The. (See Proudfit, Edwin B., assignor.)
 Aeolian Company, The. (See Tremaine and Votey, assignors.)
 Aeolian Company, The. (See Wood, Frederick L., assignor.)
 Aermont, Robert. (See Lange and Aermont.)
 Aermotor Company. (See Noyes, La Verne, assignor.)
 Aerni, Josua, and J. O. Venden, Guler, Wash. Device for holding cows' tails. No. 1,219,062; Mar. 13; v. 236; p. 446.
 Aero Motors Corporation of America. (See Van Riper, Lewis C., assignor.)
 Aeschbach, Friedrich, Aarau, Switzerland. Molding-machine. No. 1,221,266; Apr. 3; v. 237; p. 94.
 Aeschbach, Friedrich, Aarau, Switzerland. Machine for shaping pieces of dough. No. 1,242,753; Oct. 9; v. 243; p. 449.
 Aetna Explosives Company. (See Flurschheim, Bernhard J., assignor.)
 Afanador, Angel, Lincoln, Nebr. Steering device. No. 1,213,057; Jan. 16; v. 234; p. 992.
 Africa, Elmer M., Huntingdon, Pa., and B. E. McSheehy, Nutley, N. J., assignors to J. C. Blair Company, Huntingdon, Pa. Writing-tablet. No. 1,241,694; Oct. 2; v. 243; p. 72.
 Agati, Giovanni, San Francisco, Cal. Combined chair and high chair. No. 1,243,913; Oct. 23; v. 243; p. 876.
 Agee, Howard L. and S. A., Fort Worth, Tex. Guard for doors and the like. No. 1,215,462; Feb. 13; v. 235; p. 375.
 Agee, Sidney A. (See Agee, Howard L. and S. A.)
 Agerell, Charles W., Chicago, Ill. Gas-engine. No. 1,231,550; July 3; v. 240; p. 3.
 Agerton, Ella C., Ringold, Okla. Obstetrical appliance. No. 1,228,384; June 5; v. 239; p. 3.
 Aghan, William H., Burke's Flat, Victoria, Australia. Separating precious metals from their ores. No. 1,210,880; Jan. 2; v. 234; p. 172.
 Agnew, Henry D., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Grinding and polishing machine. No. 1,248,051; Nov. 27; v. 244; p. 952.
 "Ago" Lederkitt Industrie Gesellschaft mit beschränkter Haftung. (See Rampichini, Francesco, assignor.)
 Aheadoft Pictorial Co., The. (See Kleidman, Joseph, assignor.)
 Ahearn, Daniel J., Brooklyn, N. Y. Necktie-holder and collar-support. No. 1,215,092; Feb. 6; v. 235; p. 214.
 Ahearn, Thomas, Ottawa, Ontario, Canada. Resetting device for sound-reproducing machines. No. 1,250,751; Dec. 18; v. 245; p. 748.
 Ahern, Albert M., St. Louis, Mo. Animal-trap. No. 1,214,404; Jan. 30; v. 234; p. 1521.
 Ahlander, Ernest H., assignor to Thomas Wrigley Company, Chicago, Ill. Clamp and hanger. No. 1,211,997; Jan. 9; v. 234; p. 593.
 Ahlberg, Albin C., et al. (See Bracke, Robert F., assignor.)
 Ahlberg, Gustav A. F., Pittsburgh, Pa. Carbureter. No. 1,216,043; Feb. 13; v. 235; p. 587.
 Ahlburg, Frank, San Francisco, Cal. Fruit-marking apparatus. No. 1,237,442; Aug. 21; v. 241; p. 686.
 Ahle, William H., and E. L. Fitzgerald, Gerald, Mo. Gearing. No. 1,225,202; May 8; v. 238; p. 429.
 Ahlen, William. (See Williams and Ahlen.)
 Ahlers, Joseph A. (See Beckner and Ahlers.)
 Ahlgran, William A. (See Blakelee and Ahlgran.)
 Ahlgren, Victor, East Rockford, Ill. Countersink. No. 1,229,565; June 12; v. 239; p. 452.
 Ahlheim, Edward C., Mansfield, Ohio. Flush-valve. No. 1,248,777; Dec. 4; v. 245; p. 103.
 Ahlman, John E., Denver, Colo. Massage device. No. 1,233,537; July 17; v. 240; p. 727.
 Ahlsten, Elis, Marquette, Mich. Rail-joint. No. 1,249,296; Dec. 11; v. 245; p. 283.
 Ahlstrom, Carl A., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Motor-starting switch. No. 1,231,229; June 26; v. 239; p. 1080.
 Ahrbín, Nels, Chicago, Ill. Tire-wrapping device. No. 1,246,832; Nov. 20; v. 244; p. 571.
 Ahrenholtz, Art, Defiance, Iowa. Wheel attachment for harrows. No. 1,220,485; Mar. 27; v. 236; p. 1012.
 Ahrens, Walter R., Chicago, Ill. Instrument for demonstrating Boyle's law. No. 1,220,808; Mar. 27; v. 236; p. 1121.
 Aichele, Albert, Baden, Switzerland. Change-gear. (Re-issue.) No. 14,293; May 1; v. 238; p. 273.
 Aichele, Albert, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Electrode of metallic vapor-rectifiers or other apparatus. No. 1,221,647; Apr. 3; v. 237; p. 223.
 Aichele, Albert, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Insulator for high-tension conductors. No. 1,225,738; May 15; v. 238; p. 655.
 Aldenland, Harry, Toledo, Ohio. Combined hood and scarf. No. 1,211,807; Jan. 9; v. 234; p. 524.
 Aidotte, William F., assignor of one-half to E. Williams, Hiattville, Kans. Sickle-bar. No. 1,233,950; July 17; v. 240; p. 862.
 Aiken, Edward L., Springfield, Mass. Dust-cap for valve-stems. No. 1,220,809; Mar. 27; v. 236; p. 1121.
 Aiken, James R. (See Taylor, Alfred G., assignor.)
 Aikin, William P., assignor to International Burr Corporation, Watertown, N. Y. Device for redressing surfaces of pulp-grindstones. No. 1,248,983; Dec. 4; v. 245; p. 161.
 Aikins, Samuel, Weston, assignor of one-half to A. A. Pinard, Ottawa, Ontario, Canada. Base for hot-air furnaces and hot-water and steam boilers. No. 1,218,824; Mar. 13; v. 236; p. 365.
 Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Electric pump-governor. No. 1,227,230; May 22; v. 238; p. 1197.
 Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Mechanism for unloading compressors for starting. No. 1,230,834; June 26; v. 239; p. 947.
 Ainis, Charles, Philadelphia, Pa. Attachment for shaving-mugs. No. 1,228,160; May 29; v. 238; p. 1537.
 Ainsley, David L., Mammoth, Pa. Brake. No. 1,222,347; Apr. 10; v. 237; p. 503.
 Ainslie, Albert E., Brashear, Mo. Medicine-card. No. 1,220,926; Mar. 27; v. 236; p. 1159.
 Ainsworth, Arthur B., Leavenworth, Kans., assignor to R. M. Hughes, Nevada, Mo. Adjustable labeling-machine. No. 1,217,382; Feb. 27; v. 235; p. 1146.
 Air Device Manufacturing Company. (See Ten Eyck, Frank E., assignor.)
 Air-Tight Steel Tank Company. (See Cecil, Robert E., assignor.)
 Aisen, Maurice N., Chicago, Ill. Sizing solution and making the same. No. 1,224,125; May 1; v. 238; p. 3.
 Aitken, Allan J., Buffalo, N. Y., assignor to The Barber Asphalt Paving Company, Philadelphia, Pa. Heating apparatus for bituminous materials. No. 1,234,091; July 17; v. 240; p. 905.
 Aitken, Hugh W., Glasgow, Scotland. Roller-adjusting means for sugar-cane mills. No. 1,227,561; May 29; v. 238; p. 1335.

Alphabetical list of patentees—Continued.

- Aitken, William, London, England. Telephone system. No. 1,221,404; Apr. 3; v. 237; p. 142.
- Aitken, William, assignor to The Relay Automatic Telephone Company, Limited, London, England. Manual and semi-automatic telephone system. No. 1,210,389; Jan. 2; v. 234; p. 3.
- Aitken, William, assignor to The Relay Automatic Telephone Company, Limited, London, England. Telephone system. No. 1,223,020; Apr. 17; v. 237; p. 778.
- Aiton, Fred, Lampasas, Tex. Underscoring attachment for type-writers. No. 1,233,741; July 17; v. 240; p. 794.
- Ajax Metal Company, The. (See Wyatt, James R., assignor.)
- Ajax Rail Anchor Company. (See Elfborg, Henry G., assignor.)
- Ajello, Vincent, Pittsburgh, Pa. Aeroplane. No. 1,230,641; June 19; v. 239; p. 845.
- Akashi, Tokutaro, La Mirada, Cal. Beehive attachment. No. 1,247,607; Nov. 27; v. 244; p. 825.
- Aked, Thomas O., St. Thomas, Ontario, Canada. Spinning-machine spindle. No. 1,240,803; Sept. 25; v. 242; p. 755.
- Akeley Camera, Inc. (See Akeley, Carl E., assignor.)
- Akeley, Carl E., assignor to Akeley Camera, Inc., New York, N. Y. Film-box for motion-picture cameras. No. 1,223,332; Apr. 17; v. 237; p. 882.
- Akeley, Carl E., assignor to Akeley Camera, Inc., New York, N. Y. Film-cutter for motion-picture cameras. No. 1,232,418; July 3; v. 240; p. 292.
- Akeley, Carl E., assignor to Akeley Camera, Inc., New York, N. Y. Film-box for motion-picture cameras. No. 1,242,894; Oct. 9; v. 243; p. 493.
- Akeley, Carl E., assignor to Akeley Camera, Inc., New York, N. Y. Tripod. No. 1,244,682; Oct. 30; v. 243; p. 1144.
- Akens, William H., Espyville Station, Pa. Mail-bag-transferring apparatus. No. 1,251,318; Dec. 25; v. 245; p. 965.
- Akens, William H., Espyville Station, Pa. Mail-bag-transferring apparatus. No. 1,251,319; Dec. 25; v. 245; p. 965.
- Aker, John W., Lancaster, Ky. Tire-pump. No. 1,229,854; June 12; v. 239; p. 548.
- Akerly, Frank F. (See Cate, Clarence, assignor.)
- Akerly, Frank F., Chicago, Ill. Marking-machine. No. 1,220,584; Mar. 27; v. 236; p. 1046.
- Akers, Lorenzo D., Prairie View, Kans. Cushioning-wheel for vehicles. No. 1,248,775; Dec. 4; v. 245; p. 103.
- Akin, Allison, East Orange, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone system and apparatus. No. 1,211,031; Jan. 2; v. 234; p. 227.
- Akins, Randall P. (See Bucher and Akins.)
- Akins, Stephen A., Kansas City, Mo. Game. No. 1,226,841; May 22; v. 238; p. 1064.
- Akron Cultivator Company, The. (See Noaker, Milton, assignor.)
- Akron-Selle Co., The. (See Flegel, Harrison D., assignor.) (Reissue.)
- Aktiebolaget Baltic. (See Risberg and Johansson, assignors.)
- Aktiebolaget Carl A. Carleson. (See Wikstrom, Karl G. F., assignor.)
- Aktiebolaget Ljungströms Angturbin. (See Ljungström, Birger, assignor.)
- Aktiebolaget Ljungströms Angturbin. (See Wiberg, Oscar A., assignor.) (Reissue.)
- Aktiebolaget Ljungströms Angturbin. (Manufacturers.) (See Ljungström, Fredrik, assignor.) (Reissue.)
- Aktiebolaget Mjolkkningsmaskin Omega. (See Lindström, Knut I., assignor.)
- Aktiebolaget Princeps. (See Landqvist, Victor N., assignor.)
- Aktiebolaget Princeps. See Lindström, Gustaf H., assignor.)
- Aktiebolaget Salenius Werkstäder. (See Dahlqvist, John A., assignor.)
- Aktiebolaget Svenska Kullagerfabriken. (See Fjellman, Bengt W., assignor.)
- Aktiebolaget Svenska Kullagerfabriken. (See Karlsson, Kaleb, assignor.)
- Aktiebolaget Svenska Kullagerfabriken. (See Karlsson and Johanson, assignors.)
- Aktiebolaget Svenska Kullagerfabriken. (See Moysey, Henry J., assignor.)
- Aktiebolaget Svenska Kullagerfabriken. (See Wingquist, Sven G., assignor.)
- Aktiebolaget Svenska Luftventiler. (See Hilding, Ernst A., assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Aichele, Albert, assignor.)
- Aktiengesellschaft Brown Boveri & Cie. (See Amsler, Paul, assignor.)
- Aktiengesellschaft Brown, Boveri & Cie. (See Jonas, Julius, assignor.)
- Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie. (See Rüegger, Eduard, assignor.)
- Aktiengesellschaft der Maschinenfabriken Escher, Wyss & Co. (See Graemiger, Benjamin, assignor.)
- Aktiengesellschaft der Maschinenfabriken Escher, Wyss & Co. (See Guyer, Hans, assignor.)
- Aktiengesellschaft der Maschinenfabriken Escher, Wyss & Co. (See Huguenin, Albert, assignor.)
- Aktiengesellschaft für Chemische Produkte vormals H. Scheidemandel. (See Askenasy, Paul, assignor.)
- Alabama Pipe & Foundry Company. (See Hamilton, Charles A., assignor.)
- Aladdin Lamp Corporation, The. (See Keen, Eliot, assignor.)
- Alanson, Hope, Abbotsford, British Columbia, Canada. Raker-gage. No. 1,222,587; Apr. 17; v. 237; p. 629.
- Alaska Packers Association. (See Clark, Fredrick F., assignor.)
- Albano, Vincente, Rosario, Argentina. Rocking-chair. No. 1,230,642; June 19; v. 239; p. 845.
- Albaugh-Dover Co. (See Burtt, Frank, assignor.)
- Albaugh-Dover Co. (See Eppley, Francis G., assignor.)
- Albee, William H., Marlboro, Mass. Heel-breasting machine. No. 1,214,871; Feb. 6; v. 235; p. 135.
- Alber, James G. (See Benjamin and Alber.)
- Alberger Pump and Condenser Company. (See Symonds, George P., assignor.)
- Albert, Homer S., Mercer, Pa. Water-heater. No. 1,237,737; Aug. 21; v. 241; p. 781.
- Albert and J. M. Anderson Manufacturing Company. (See Andersen, Johan M., assignor.)
- Albert and J. M. Anderson Manufacturing Company. (See Curtis, Kenneth L., assignor.)
- Albert, John B., Danbury, Conn. Music-leaf turner. No. 1,214,110; Jan. 30; v. 234; p. 1419.
- Albert Pick & Company. (See Carlson and Pick, assignors.)
- Albert, Walter P., Chicago, Ill., assignor, by mesne assignments, to J. R. Garfield, trustee, Cleveland, Ohio. Telephone-exchange system. No. 1,212,728; Jan. 16; v. 234; p. 880.
- Alberti, Emilio. (See Bogdanffy and Alberti.)
- Alberti, John. (See Bogdanffy and Alberti.)
- Alberti, John, New York, assignor to International Cork Company, Brooklyn, N. Y. Manufacturing bottle-closures. No. 1,234,109; July 24; v. 240; p. 947.
- Alberti, John, New York, assignor to International Cork Company, Brooklyn, N. Y. Closure for receptacles. No. 1,234,711; July 31; v. 240; p. 1176.
- Alberts, Grace M. (See Urmon, George W., assignor.)
- Alberts, Henry, Lynn, Mass. Insole structure. No. 1,236,528; Aug. 14; v. 241; p. 353.
- Albertson, Clarence E., Minneapolis, Minn. Ladder-bracket. No. 1,211,906; Jan. 9; v. 234; p. 561.
- Albertson, Ernest H., Newark, N. J., assignor to Addometer Corporation, New York, N. Y. Handle for calculators. No. 1,231,981; July 3; v. 240; p. 148.
- Albrecht, Benjamin K., Rowayton, Conn. Seam-dampening machine. No. 1,245,149; Nov. 6; v. 244; p. 3.
- Albrecht, Carl A., Galion, Ohio. Casket supporting and transferring device. No. 1,242,410; Oct. 9; v. 243; p. 339.
- Albrecht, Christian A. (See Muehleisen and Albrecht.)
- Albrecht, Louis C., Jr., Hohokus, N. J. Shaving-brush. No. 1,247,484; Nov. 20; v. 244; p. 758.
- Albrecht, William F. (See Lemp, Albrecht, and Shebol.)
- Albrecht, William F., Salt Lake City, Utah. Faucet. No. 1,226,436; May 15; v. 238; p. 892.
- Albrechtsen, Hans O. A., Prince Albert, Saskatchewan, Canada. Dining kit. No. 1,243,239; Oct. 16; v. 243; p. 635.
- Albright, Chester W., Evanston, assignor to The C. W. Albright Company, Chicago, Ill. Treating-table. No. 1,213,137; Jan. 23; v. 234; p. 1053.
- Albright, Emma A. (See Grimes, Claude, assignor.)
- Albritton, Lee Roy. (See Robertson and Albritton.)
- Albro, Herbert, West Springfield, Mass. Dandy-roll. No. 1,229,007; June 5; v. 239; p. 213.
- Albro, Mark, Brampton, N. D. Scraper attachment for pitchforks. No. 1,234,110; July 24; v. 240; p. 947.
- Alcan, Félix, Zanesville, Ohio, assignor to American Encaustic Tiling Company, Ltd., New York, N. Y. Decorated tile. No. 1,251,450; Dec. 25; v. 245; p. 1003.
- Alcayde, Emilio A. (See Ullrich and Alcayde.)
- Alchlor Chemical Company. (See Barnett and Burgess, assignors.)
- Alcolea, Rafael, New Orleans, La. Switch-point operator. No. 1,229,566; June 12; v. 239; p. 452.
- Aldal, Stephen, Donnybrook, N. D. Rural mail-box. No. 1,215,093; Feb. 6; v. 235; p. 214.
- Alden, Charles A., Steelton, Pa. Machine-tool. No. 1,211,381; Jan. 9; v. 234; p. 379.
- Alden, Flora S., Boston, Mass. Concealed wire chain. No. 1,233,538; July 17; v. 240; p. 728.
- Alden, Henry B., Edmund, Okla. Package-tie. No. 1,249,879; Dec. 11; v. 245; p. 452.
- Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Bearing. No. 1,231,320; June 26; v. 239; p. 1110.
- Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Motor-vehicle axle. No. 1,241,893; Oct. 2; v. 243; p. 136.
- Alden, Herbert W., and R. B. Weaver, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Toothed wheel. No. 1,231,321; June 26; v. 239; p. 1111.
- Alden, Joseph R., Grand Rapids, Mich. Mirror for dressing-tables and the like. No. 1,242,631; Oct. 9; v. 243; p. 410.

- Alden, Vern E., Wilkesburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Transforming system. No. 1,224,255; May 1; v. 238; p. 51.
- Aldendorf, Fritz, Wilmersdorf, Berlin, Germany. Control-circuits for telephone systems. No. 1,223,304; Apr. 17; v. 237; p. 872.
- Alder, Jacob, Sr., St. Louis, Mo. Sewer-opening apparatus. No. 1,225,739; May 15; v. 238; p. 655.
- Alder, Jacob, Sr., St. Louis, Mo. Sewer-opening apparatus. No. 1,241,894; Oct. 2; v. 243; p. 136.
- Alder, Jean C., Sr., Châtelaine, near Geneva, Switzerland. Chuck for machine-tools. No. 1,231,322; June 26; v. 239; p. 1111.
- Alder, Stanley, Sunderland, England. Explosion-engine. No. 1,233,951; July 17; v. 240; p. 862.
- Alderman, Joseph S., Ennis, Tex. Burglar-alarm. No. 1,244,938; Oct. 30; v. 243; p. 1223.
- Alderson, Jacob T. and S. F. Sutherland, Va. Verminderer for fowls. No. 1,234,111; July 24; v. 240; p. 947.
- Alderson, Sue F. (See Alderson, Jacob T. and S. F.)
- Aldrich, Carl G., Somerville, Mass. Eyeglass-holder. No. 1,233,153; July 10; v. 240; p. 568.
- Aldrich, Chester S., assignor to Gray-Aldrich Company, Inc., Boston, Mass. Windlass-operating mechanism. No. 1,237,443; Aug. 21; v. 241; p. 687.
- Aldrich, Luke F., Greenup, Ill. Broom-case. No. 1,221,648; Apr. 3; v. 237; p. 224.
- Aldrich Pump Company, The. (See Holveck, Joseph E., assignor.)
- Aldrich, Roscoe H., Allentown, Pa. Valve-seat. No. 1,235,409; July 31; v. 240; p. 1388.
- Aldridge, James G. W. (See Terrace, John, assignor.)
- Aldridge, Frederick R., Yonkers, N. Y. Detachable button. No. 1,239,070; Sept. 4; v. 242; p. 112.
- Aldridge, Thomas J., Rochester, N. Y. Collapsible receptacle. No. 1,232,162; July 3; v. 240; p. 212.
- Alex, Paul P., Worcester, Mass. Military ambulance. No. 1,233,009; July 10; v. 240; p. 519.
- Alexander, Alden M., Chicago, Ill. Humidifier. No. 1,241,695; Oct. 2; v. 243; p. 73.
- Alexander, Alexander. (See Handler and Alexander.)
- Alexander, Alexander M., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Trimming-machine. No. 1,213,572; Jan. 23; v. 234; p. 1205.
- Alexander, Alexander M., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Skiving-machine. No. 1,218,614; Mar. 13; v. 236; p. 289.
- Alexander, Alexander M., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Skiving-machine. No. 1,247,780; Nov. 27; v. 244; p. 879.
- Alexander, Andrew, New York, N. Y. Expansion shell-reamer and arbor therefor. No. 1,210,391; Jan. 2; v. 234; p. 3.
- Alexander, Carl Z. and E. S., Newark, N. J. Steam-boiler. No. 1,240,804; Sept. 25; v. 242; p. 755.
- Alexander, Charles T., Chanute, Kans. Gearing for mixing-machines. No. 1,218,825; Mar. 13; v. 236; p. 366.
- Alexander, Clinton B., Washington, D. C. Slack-adjuster. No. 1,229,855; June 12; v. 239; p. 548.
- Alexander, Clive M., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Making aromatic hydrocarbons. No. 1,230,975; June 26; v. 239; p. 994.
- Alexander, David A., Rochester, N. Y. Strut for automatic sprinkler-heads. No. 1,240,292; Sept. 18; v. 242; p. 565.
- Alexander, Earl S. (See Alexander, Carl Z. and E. S.)
- Alexander, Elmer P., assignor to James H. Mann Company, Lewistown, Pa. Grinding-wheel stand. No. 1,227,547; May 22; v. 238; p. 1300.
- Alexander, Ford, Taft, Cal. Electric-blasting-cap protector. No. 1,218,504; Mar. 6; v. 236; p. 212.
- Alexander, Frederick W., Barry, Wales. Belting or webbing. No. 1,220,927; Mar. 27; v. 236; p. 1160.
- Alexander, George E., New York, N. Y. Clothes-line reel. No. 1,246,833; Nov. 20; v. 244; p. 571.
- Alexander, George E., New York, N. Y., assignor to M. A. Alexander, Millerstown, Pa. Egg-beater. No. 1,236,814; Aug. 14; v. 241; p. 448.
- Alexander, George J. (See Tearney and Alexander.)
- Alexander, George W. (See Nace, Alexander, and Brown.)
- Alexander, H. Walter, Sac City, Iowa, assignor of one-half to B. R. Greenblatt, Omaha, Nebr. Art of molding. No. 1,239,152; Sept. 4; v. 242; p. 139.
- Alexander, Harry, New York, N. Y. Lamp-dimmer. No. 1,228,635; June 5; v. 239; p. 89.
- Alexander, James, Bristol, Conn. Tool for turning balls. No. 1,228,086; May 29; v. 238; p. 1514.
- Alexander, James H., Conquest, Kans. Antifreezing pump. No. 1,230,976; June 26; v. 239; p. 995.
- Alexander, Jesse. (See Mott and Alexander.)
- Alexander, Jesse, New York, N. Y. Type-writing-machine line-spacing mechanism. No. 1,227,519; May 22; v. 238; p. 1291.
- Alexander, John, Gas City, Ind. Ironing-board. No. 1,246,695; Nov. 13; v. 244; p. 494.
- Alexander, John F., New York, N. Y. Hollow auger. No. 1,231,551; July 3; v. 240; p. 3.
- Alexander, John M., Cropwell, Ala. Lock. No. 1,232,163; July 3; v. 240; p. 212.
- Alexander, John W., Spartanburg, S. C. Hinge-fixture. No. 1,243,575; Oct. 16; v. 243; p. 734.
- Alexander, Joseph, Yeagertown, Pa. Car-axle lubricator. No. 1,216,044; Feb. 13; v. 235; p. 588.
- Alexander, L. W., et al. (See Taylor, Ewing H., assignor.)
- Alexander, Margaret A. (See Alexander, George E., assignor.)
- Alexander Milburn Company, The. (See Jenkins, Alexander F., assignor.)
- Alexander, Percy, Marblehead, Mass. Treating leather. No. 1,225,389; May 8; v. 238; p. 495.
- Alexander, Sherman G., St. Louis, Mo. Automatic stop for phonograph-records. No. 1,240,401; Sept. 18; v. 242; p. 599.
- Alexander, Sidney H., Englewood, N. J. Lighting device for gas-stoves. No. 1,245,548; Nov. 6; v. 244; p. 123.
- Alexander, Truman, assignor to Norton Iron Works, Ashland, Ky. Wire-feeding device. No. 1,235,277; July 31; v. 240; p. 1349.
- Alexander, Walter, assignor to National Gum & Mica Company, New York, N. Y. Manufacturing adhesives. No. 1,237,011; Aug. 14; v. 241; p. 510.
- Alexander, William E., Hazelrigg, Ind. Brush-making machine. No. 1,227,562; May 29; v. 238; p. 1335.
- Alexander, William H., et al. (See McIntosh, John C., assignor.)
- Alexander, William H. S., Haddonfield, N. J. Cut-out alphabet toy. No. 1,230,263; June 19; v. 239; p. 719.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. System of ship propulsion. No. 1,215,094; Feb. 6; v. 235; p. 214.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. System of ship propulsion. No. 1,215,095; Feb. 6; v. 235; p. 215.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Power-transmitting mechanism. No. 1,223,924; Apr. 24; v. 237; p. 1125.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. High-frequency alternator. No. 1,229,856; June 12; v. 239; p. 548.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Automatic control of phase-converters. No. 1,233,952; July 17; v. 240; p. 862.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Regulator for phase-balancers. No. 1,233,953; July 17; v. 240; p. 863.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. System of electrical distribution. No. 1,242,632; Oct. 9; v. 243; p. 410.
- Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Apparatus for producing an electromotive force of special wave form. No. 1,250,752; Dec. 18; v. 245; p. 748.
- Aley, Jacob B., Spokane, Wash. Toy gun. No. 1,231,833; July 3; v. 240; p. 101.
- Alfieres, Emanuel J., New York, N. Y., assignor of one-half to C. De Wyrall, Ridgefield Park, N. J. Vault-light lens-holder. No. 1,231,688; July 3; v. 240; p. 52.
- Alford, Harrison, et al. (See Schlundt, Christian H., assignor.)
- Alford, James, Jacksonville, Fla. Cooking stove or range for marine vessels. No. 1,215,233; Feb. 6; v. 235; p. 261.
- Alford, Joseph C., Maben, Miss. Sickle for mowing-machines and the like. No. 1,231,111; June 26; v. 239; p. 1042.
- Alford, Neil H., Greenville, S. C., assignor to Barber-Colman Company, Rockford, Ill. Warp-uniting machine. No. 1,245,418; Nov. 6; v. 244; p. 82.
- Alfred O. Blaich Company. (See Blaich, Alfred O., assignor.)
- Alfreds, Torris H., assignor to The P & M Company, Chicago, Ill. Anticreeping device for railway-rails. No. 1,248,240; Nov. 27; v. 244; p. 1007.
- Alger, Harley C. (See Kately and Alger.)
- Alger, Jesse L. (See Cotterman and Alger.)
- Alguire, George B., Chickasha, Okla. Automatic lantern-slide projector. No. 1,247,608; Nov. 27; v. 244; p. 825.
- Alheit, Henry A., and J. A. Boyken, New York, N. Y. Sanding device for vehicles. No. 1,235,410; July 31; v. 240; p. 1388.
- All, J. Mohammad, Detroit, Mich. Locking device for motor-vehicles. No. 1,250,122; Dec. 18; v. 245; p. 559.
- Allano, Frank S., Brooklyn, N. Y. Safety appliance for hand-fed power-presses. No. 1,246,834; Nov. 20; v. 244; p. 571.
- Alinder, Henry, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Locking device. No. 1,221,405; Apr. 3; v. 237; p. 142.
- Alinder, Henry, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Casting-machine. No. 1,230,360; June 19; v. 239; p. 751.
- Alkire, Albert H., Des Moines, Iowa. Automatic brake. No. 1,228,734; June 5; v. 239; p. 122.
- All-See Traffic Signal Co. (See Ferguson, Junius H., assignor.)
- All-Weather Spark Plug Company. (See Mack, Otto B., assignor.)
- Allan, Albert E., Canterbury, New Zealand. Reversible ballast-spreading plow for railways. No. 1,232,748; July 10; v. 240; p. 436.
- Allan, Charles F. F., Sydney, New South Wales, Australia. Baker's oven. No. 1,239,246; Sept. 4; v. 242; p. 169.

Alphabetical list of patentees—Continued.

- Allan, Edward T., Cincinnati, Ohio, assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing-machines. No. 1,211,808; Jan. 9; v. 234; p. 525.
- Allan, Edward T., Cincinnati, Ohio, assignor to Union Special Machine Company, Chicago, Ill. Folder. No. 1,217,549; Feb. 27; v. 235; p. 1208.
- Allan, George H., et al. (See Ford, John W., assignor.)
- Allan, James C., Riddlesburg, Pa. Automatic mine-door. No. 1,242,411; Oct. 9; v. 243; p. 340.
- Allan, John, Newport, R. I. Stand. No. 1,220,386; Mar. 27; v. 236; p. 977.
- Allard, Andrew J., Richmond, Va. Railway-switch mechanism. No. 1,243,376; Oct. 16; v. 243; p. 676.
- Allard, Dominique, Manchester, N. H. Machine for rolling raw cotton into sheets. No. 1,225,099; May 8; v. 238; p. 396.
- Allard, J. Frank, Brooklyn, assignor to Underwood Type-writer Company, New York, N. Y. Type-writing machine. No. 1,247,063; Nov. 20; v. 244; p. 638.
- Allbright Mill Company, The. (See Kohlhepp, John W., assignor.)
- Allbright-Nell Company, The. (See Jordan, Robert E., assignor.)
- Allbright-Nell Company, The. (See Watson and Ozouf, assignors.)
- Allbright, William B., Chicago, Ill. Beater. No. 1,214,493; Feb. 6; v. 235; p. 3.
- Allbright, William B., Chicago, Ill. Hog scraping, dehairing, polishing, and cleaning machine. No. 1,221,406; Apr. 3; v. 237; p. 143.
- Allbright, William B., Chicago, Ill. Reinforced-loop beater. No. 1,245,419; Nov. 6; v. 244; p. 83.
- Allegheny Steel Company. (See Taylor, John R., assignor.)
- Alleman, Grant E., Shoemakerville, Pa. Dredging device. No. 1,248,052; Nov. 27; v. 244; p. 953.
- Allen, Albert H. (See Goodacre and Allen.)
- Allen, Anson W. (See Thomas and Allen.)
- Allen, Arthur H. (See Hardwick and Allen.)
- Allen, Benjamin, New Britain, Conn. Pocket-knife. No. 1,213,138; Jan. 23; v. 234; p. 1053.
- Allen, Benjamin F., Chicago, Ill. Necktie-supporter. No. 1,223,229; Apr. 17; v. 237; p. 848.
- Allen, Benjamin P., Great Neck Station, N. Y. Coating metal. No. 1,233,633; July 17; v. 240; p. 761.
- Allen, Bert M. (See Kolarik, Frank E., assignor.)
- Allen-Bradley Company, The. (See Pfeiffer, Charles, assignor.)
- Allen-Chapman Company. (See Morse, Frederick H., assignor.)
- Allen, Charles H., Attleboro, Mass. Fastening device. No. 1,212,308; Jan. 16; v. 234; p. 731.
- Allen, Charles H., assignor to C. H. Allen & Co., Attleboro, Mass. Watch-holder. No. 1,240,527; Sept. 18; v. 242; p. 638.
- Allen, Charles R., assignor to The Ashtabula Bow Socket Company, Ashtabula, Ohio. Vehicle-top support. No. 1,244,402; Oct. 23; v. 243; p. 1022.
- Allen, Chester B., Memphis, Tenn. Waterproof cement. No. 1,231,468; June 26; v. 239; p. 1160.
- Allen, Claude N., Michigan City, Ind. Combined go-cart, umbrella-support, and carpet-beater. No. 1,247,485; Nov. 20; v. 244; p. 758.
- Allen, Clile C., assignor to George S. Johnston Co., Chicago, Ill. Lens-testing apparatus. No. 1,242,754; Oct. 9; v. 243; p. 449.
- Allen, Clile C., Chicago, Ill., assignor, by mesne assignments, to New York Lens Company, Inc., New York, N. Y. Grinding and polishing tool for bifocal lenses. No. 1,244,939; Oct. 30; v. 243; p. 1223.
- Allen, Clyde. (See Barry and Allen.)
- Allen & Co., C. H. (See Allen, Charles H., assignor.)
- Allen, Edward B., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Buttonhole-sewing machine. No. 1,234,252; July 24; v. 240; p. 995.
- Allen, Edward B., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Seam-trimming mechanism for sewing-machines. No. 1,234,996; July 31; v. 240; p. 1264.
- Allen, Edward B., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Mechanical movement. No. 1,234,997; July 31; v. 240; p. 1264.
- Allen, Edward B., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Work-holder for buttonhole-sewing machines. No. 1,240,642; Sept. 18; v. 242; p. 672.
- Allen, Edward B., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,243,679; Oct. 23; v. 243; p. 799.
- Allen, Edward H., et al. (See Druitt and Gilpin, assignors.)
- Allen, Elmer E., Flushing, N. Y. Rotary engine. No. 1,234,599; July 24; v. 240; p. 1106.
- Allen, Emily H. (See Rosenbaum, Hellmuth, assignor.)
- Allen, Fred, Coldwater, Mich. Pedal attachment for pianos. No. 1,242,633; Oct. 9; v. 243; p. 411.
- Allen, Frederick E., assignor to The International Excavator Company, Oakland, Cal. Excavating apparatus. No. 1,232,749; July 10; v. 240; p. 436.
- Allen, George B., Atlanta, Ga. Rotatable brush. No. 1,248,778; Dec. 4; v. 245; p. 104.
- Allen, George H. H. (See Thornton, Ray, assignor.)
- Allen, George W., assignor to B. F. Sturtevant Company, Boston, Mass. Multistage blower for pneumatic cleaners. No. 1,247,064; Nov. 20; v. 244; p. 638.
- Allen, Gilbert W., Cherry Creek, N. Y. Thermostatically-operated burner for lamps for heating incubators. No. 1,239,859; Sept. 11; v. 242; p. 393.
- Allen, Godfrey E., and J. H. Wulff, Swallow, Alberta, Canada. Shocking-machine. No. 1,211,809; Jan. 9; v. 234; p. 525.
- Allen, Gus V., Arp, Tex. Switch. No. 1,219,794; Mar. 20; v. 236; p. 729.
- Allen, Harry P., Austin, Tex., assignor to New Jersey Patent Company, West Orange, N. J. Reel. No. 1,229,697; June 12; v. 239; p. 495.
- Allen, Harry S., Pontiac, Ill. Liner for ice-cream cans, pails, and other containers. No. 1,216,391; Feb. 20; v. 235; p. 762.
- Allen, Harry T., Guilford, Conn. Combination cooler and filter. No. 1,237,738; Aug. 21; v. 241; p. 782.
- Allen, Harvey, Pittsburgh, Pa. Templet. No. 1,237,143; Aug. 14; v. 241; p. 552.
- Allen, Henry A., Chicago, Ill. Proportioning feeding device. No. 1,223,021; Apr. 17; v. 237; p. 778.
- Allen, Henry A., Chicago, Ill. Water-purifying apparatus. No. 1,236,645; Aug. 14; v. 241; p. 391.
- Allen, Henry R., Davenport, Iowa. Piano-bench. No. 1,231,689; July 3; v. 240; p. 52.
- Allen, James, Washington, D. C. Stopper for bottles or the like. No. 1,216,045; Feb. 13; v. 235; p. 588.
- Allen, James, Washington, D. C. Fly-catcher. No. 1,225,556; May 8; v. 238; p. 550.
- Allen, James B., Pueblo, Colo. Coaster-brake for velocipedes, toy automobiles, and the like. No. 1,232,472; July 10; v. 240; p. 345.
- Allen, James G., Hazelhurst, Pa. Indicator for stamping-machines. No. 1,219,418; Mar. 20; v. 236; p. 599.
- Allen, James G., assignor of one-half to H. C. Fittinger, Detroit, Mich. Wire screen. No. 1,214,494; Feb. 6; v. 235; p. 3.
- Allen, James L., Houston, Tex. Device for slicing fish. No. 1,223,550; Apr. 24; v. 237; p. 994.
- Allen, James M., and J. C. Christen, said Christen assignor to O. S. Miller, St. Louis, Mo. Cementation compound. No. 1,226,739; May 22; v. 238; p. 1028.
- Allen, Jane C., San Francisco, Cal. Sanitary belt and bandage. No. 1,245,655; Nov. 6; v. 244; p. 156.
- Allen, John D., Philadelphia, Pa. Compensating driving mechanism. No. 1,238,730; Sept. 4; v. 242; p. 3.
- Allen, John H. (See Powers, Robert E., assignor.)
- Allen, John H., assignor to Armored Motor Car Corporation, New York, N. Y. Automobile. No. 1,230,361; June 19; v. 239; p. 751.
- Allen, John V., South Weymouth, and E. B. Orr, Weymouth, Mass., assignors to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,213,788; Jan. 23; v. 234; p. 1277.
- Allen, John W., Visalia, Cal. Mail-box. No. 1,237,739; Aug. 21; v. 241; p. 782.
- Allen, Joseph H., El Paso, Tex. Collar attachment. No. 1,224,828; May 1; v. 238; p. 253.
- Allen, Neal, Pittsburg, Kans. Machine for producing ornamented brick. No. 1,230,362; June 19; v. 239; p. 751.
- Allen, Oliver P., Atlanta, Ga. Automatic train-stop. No. 1,234,712; July 31; v. 240; p. 1176.
- Allen, Orren, Denver, Colo. Flotation ore-concentrating apparatus. No. 1,250,938; Dec. 25; v. 245; p. 853.
- Allen, Philip. (See Boynton, Frederick R., assignor.)
- Allen Pressure System Company. (See Allen, William A., assignor.)
- Allen, Ralph B. (See Ries and Allen.)
- Allen, Ralph, Free Union, Va. Bag-holder. No. 1,242,755; Oct. 9; v. 243; p. 450.
- Allen, Robert C. (See London and Allen.)
- Allen, Robert N., Methuen, Mass., assignor to U. S. Bobbin & Shuttle Company, Providence, R. I. Shuttle. No. 1,245,549; Nov. 6; v. 244; p. 124.
- Allen, Roy M., East Orange, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telegraph-sounder. No. 1,218,035; Mar. 6; v. 236; p. 51.
- Allen S. Davison Company. (See Davison, George S., assignor.)
- Allen S. Davison Company. (See Handy and Isham, assignors.)
- Allen, Samuel J., Atchison, Kans. Cultivator. No. 1,215,096; Feb. 6; v. 235; p. 215.
- Allen, Samuel L., Moorestown, N. J. Hand-lever. No. 1,243,240; Oct. 16; v. 243; p. 635.
- Allen, Sherman T., Los Angeles, Cal. Slide-valve for gas-engines. No. 1,237,444; Aug. 21; v. 241; p. 687.
- Allen, Sherman T., Los Angeles, Cal. Piston-ring. No. 1,237,853; Aug. 21; v. 241; p. 816.
- Allen, Sherman T., Los Angeles, Cal. Oscillating sleeve-valve. No. 1,237,989; Aug. 21; v. 241; p. 860.
- Allen, Thomas G. (See Andrews and Allen.)
- Allen, Thomas G., London, England. Means for storing compressed or dissolved acetylene gas. No. 1,234,600; July 24; v. 240; p. 1107.
- Allen, Thomas S., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Dynamo-electric machine. No. 1,210,750; Jan. 2; v. 234; p. 128.

- Allen, Wellington C., Enid, Okla. Running-gear for tractors. No. 1,236,646; Aug. 14; v. 241; p. 392.
- Allen, William, West Hoboken, N. J. Photographic-printing device. No. 1,232,164; July 3; v. 240; p. 212.
- Allen, William A., Yonkers, assignor to A. Schrader's Son, Incorporated, New York, N. Y. Pressure-gage attachment. No. 1,227,563; May 29; v. 238; p. 1335.
- Allen, William A., assignor to Allen Pressure System Company, Inc., New York, N. Y. Dispensing system. No. 1,237,144; Aug. 14; v. 241; p. 552.
- Allen, William H., Detroit, Mich. Rust-proofing iron and steel by vapors containing phosphorus compounds. No. 1,248,053; Nov. 27; v. 244; p. 953.
- Allen, William H., assignor to Parker Rust-Proof Company of America, Detroit, Mich. Rust-proofing metal. No. 1,215,463; Feb. 13; v. 235; p. 375.
- Allen, William H., assignor to Parker Rust Proof Company of America, Detroit, Mich. Rust-proofing iron and steel. No. 1,219,526; Mar. 20; v. 236; p. 636.
- Allen, William H., Birchfields, assignor to H. E. Keating, Birmingham, England. Garment-fastener. No. 1,229,395; June 12; v. 239; p. 393.
- Allen, William H., New York, N. Y., assignor, by mesne assignments, to Planters Stemming Company, Wilmington, Del. Tobacco-stemming machine. No. 1,238,077; Aug. 28; v. 241; p. 920.
- Allen, William K. (See Mays, Zacheria E., assignor.)
- Allender, Charles H., New York, N. Y. Clamp for plant-forcing devices. No. 1,239,071; Sept. 4; v. 242; p. 112.
- Allendorf, Peter G., Westwood, Mass. Motor-vehicle. No. 1,211,907; Jan. 9; v. 234; p. 561.
- Allensworth, Ellis D., Waukegan, Ill. Ignition apparatus. No. 1,213,789; Jan. 23; v. 234; p. 1278.
- Allensworth, Ellis D., Waukegan, Ill. Igniting and spark-distributing device. No. 1,213,790; Jan. 23; v. 234; p. 1278.
- Aller, Jens, Copenhagen, Denmark. Saddle for motor and other cycles. No. 1,232,165; July 3; v. 240; p. 212.
- Allerdice, Joseph, *et al.* (See Ericksen, Charles E., assignor.)
- Allerdice, W. H., *et al.* (See Ericksen, Charles E., assignor.)
- Allering, Cletus N., Mansfield, Ohio. Trolley-wire support. No. 1,231,230; June 26; v. 239; p. 1081.
- Alleva, Sante T. (See Bravi, Giuseppe, assignor.)
- Alfree, Edwin H. (See England and Alfree.)
- Alfree, James B., Chicago, Ill. Chain-drive motor. No. 1,222,588; Apr. 17; v. 237; p. 629.
- Allgemeine Krankenhaus-Einrichtungen-Gesellschaft m. b. H. (See Schäfer, Carl, assignor.)
- Allgrunn, Axel, Dover, N. J. Demountable rim. No. 1,225,557; May 8; v. 238; p. 550.
- Alliance Company. (See Clifford, Frederick J., assignor.)
- Alliance Machine Company, The. (See Kendall, David, assignor.)
- Alliance Vegetable Company. (See Humphrey, George F., assignor.)
- Aline, Ernest A., Marion, Ohio. Corn-shocking device. No. 1,234,521; July 24; v. 240; p. 1082.
- Aling, James H., *et al.* (See James, George A., assignor.)
- Allinger, Frank A., assignor of one-third to C. Volz and one-third to K. A. Lott, Los Angeles, Cal. Hydrocarbon-burner. No. 1,229,008; June 5; v. 239; p. 213.
- Allingham, Henry W. (See Phillips and Allingham.)
- Allingham, Henry W., Northenden, England, assignor to Peter A. Frasse & Co., Inc., New York, N. Y. Cutting-tool. No. 1,223,654; Apr. 24; v. 237; p. 1030.
- Allingham, James, Chicago, Ill. Waste and supply valve. No. 1,233,634; July 17; v. 240; p. 761.
- Allis-Chalmers Manufacturing Company. (See Allinder, Henry, assignor.)
- Allis-Chalmers Manufacturing Company. (See Allen, Thomas S., assignor.)
- Allis-Chalmers Manufacturing Company. (See Brown, Arthur J., assignor.)
- Allis-Chalmers Manufacturing Company. (See Cheney, Herbert W., assignor.)
- Allis-Chalmers Manufacturing Company. (See Davenport, John C., assignor.)
- Allis-Chalmers Manufacturing Company. (See Davis, Rae W., assignor.)
- Allis-Chalmers Manufacturing Company. (See Demon, George B., assignor.)
- Allis-Chalmers Manufacturing Company. (See Fischer, Charles A., assignor.)
- Allis-Chalmers Manufacturing Company. (See Greenfield, Roy C., assignor.)
- Allis-Chalmers Manufacturing Company. (See Kane, John J., assignor.)
- Allis-Chalmers Manufacturing Company. (See Lamb, Mark R., assignor.)
- Allis-Chalmers Manufacturing Company. (See Loguin, Alexander J., assignor.)
- Allis-Chalmers Manufacturing Company. (See Newhouse, Ray C., assignor.)
- Allis-Chalmers Manufacturing Company. (See Nichols, Louis C., assignor.)
- Allis-Chalmers Manufacturing Company. (See Patitz, Johann F. M., assignor.)
- Allis-Chalmers Manufacturing Company. (See Powell, William H., assignor.)
- Allis-Chalmers Manufacturing Company. (See Rea, Arthur D., assignor.)
- Allis-Chalmers Manufacturing Company. (See Schmid, Rudolf, Jr., assignor.)
- Allis-Chalmers Manufacturing Company. (See Schmidt, Franz, assignor.)
- Allis-Chalmers Manufacturing Company. (See Search, Charles E., assignor.)
- Allis-Chalmers Manufacturing Company. (See Soreng, Edgar M., assignor.)
- Allis-Chalmers Manufacturing Company. (See Steen, Charles W., assignor.)
- Allis-Chalmers Manufacturing Company. (See Steen, Halfdan A., assignor.)
- Allis-Chalmers Manufacturing Company. (See Strothman, Louis E., assignor.)
- Allis-Chalmers Manufacturing Company. (See Voss, Otto C., assignor.)
- Allis-Chalmers Manufacturing Company. (See Williamson, Robert B., assignor.)
- Allis-Chalmers Manufacturing Company. (See Yates, Charles M., assignor.)
- Allis-Chalmers Manufacturing Company. (See Zimmerman, James G., assignor.)
- Allis, Louis, Milwaukee, Wis. Athletic brace for limbs. No. 1,226,160; May 15; v. 238; p. 798.
- Allison, Arthur E., Coatesville, Pa. Incubator. No. 1,231,112; June 26; v. 239; p. 1042.
- Allison, Charles H., Glendale, Cal. Explosive-cap protection. No. 1,215,329; Feb. 13; v. 235; p. 329.
- Allison, Charles H., Glendale, Cal. Subaqueous blasting system. No. 1,239,247; Sept. 4; v. 242; p. 170.
- Allison, Fred, assignor to A. B. C. Starter Company, Detroit, Mich. Starting device. No. 1,225,558; May 8; v. 238; p. 551.
- Allison, Henry H., Sac City, Iowa. Time-computer. No. 1,237,271; Aug. 21; v. 241; p. 630.
- Allison, I. M. (See Daniel, Albert J., assignor.)
- Allison, Jesse H., assignor of twenty-five one-hundredths to J. F. Allison and ten one-hundredths to E. Dugan, El Paso, Tex. Pumping-engine. No. 1,229,009; June 5; v. 239; p. 214.
- Allison, John, Dravosburg, assignor to Pittsburgh Steel Foundry Company, Glassport, Pa. Draft-gear carrier. No. 1,214,111; Jan. 30; v. 234; p. 1419.
- Allison, John J. C., Butterknowle, and J. Waller, Woodlands Colliery, county of Durham, England. Means for minimizing the effects of colliery explosions. No. 1,243,377; Oct. 16; v. 243; p. 676.
- Allison, Joseph F., *et al.* (See Allison, Jesse H., assignor.)
- Alliston, Thomas J., Marion, Ill. Mower-knife sharpener. No. 1,248,241; Nov. 27; v. 244; p. 1007.
- Allmand, John T., Detroit, Mich., assignor, by mesne assignments, to Fisher Body Corporation. Weather-strip. No. 1,226,159; May 15; v. 238; p. 798.
- Allmand, John T., Detroit, Mich., assignor, by mesne assignments, to Fisher Body Corporation. Convertible vehicle-body. No. 1,230,977; June 26; v. 239; p. 995.
- Allmand, John T., Detroit, Mich., assignor, by mesne assignments, to Fisher Body Corporation. Landulet. No. 1,233,159; July 10; v. 240; p. 568.
- Allmand, John T., assignor to Fisher Closed Body Company, Detroit, Mich. Door-bumper. No. 1,239,441; Sept. 11; v. 242; p. 259.
- Allonby, James E., Stamford, Conn. Emergency device for automobile-springs. No. 1,217,894; Mar. 6; v. 236; p. 3.
- Allors, Crescenzia. (See Gray, Harry M., assignor.)
- Allport, Katherine E., Chicago, Ill. Illuminating attachment for razors. No. 1,223,305; Apr. 17; v. 237; p. 873.
- Allsop, Thomas. (See Sibson and Allsop.)
- Allsop, Thomas, and W. W. Sibson, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Dyeing and bleaching machine. No. 1,245,139; Oct. 30; v. 243; p. 1283.
- Allsop, Thomas, and W. W. Sibson, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Metallic building structure. No. 1,246,826; Nov. 13; v. 244; p. 533.
- Allsop, Thomas, and W. W. Sibson, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Dyeing and bleaching machine. No. 1,246,835; Nov. 20; v. 244; p. 572.
- Allsop, Thomas, and W. W. Sibson, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Dyeing and bleaching machine. No. 1,246,836; Nov. 20; v. 244; p. 572.
- Allyn, Harry B., Poughkeepsie, and A. T. Bertolini, New York, N. Y. Light attachment for sewing-machines. No. 1,232,166; July 3; v. 240; p. 212.
- Almen-Crosby Motors Co. (See Almen, John O., assignor.)
- Almen, John O., Everett, assignor to Almen-Crosby Motors Co. Inc., Seattle, Wash. Internal-combustion engine. No. 1,233,635; July 17; v. 240; p. 762.
- Almengual, Salvador M., Pittsburgh, Pa. Protective armor. No. 1,236,033; Aug. 7; v. 241; p. 166.
- Almengual, Salvador M., Pittsburgh, Pa. Protective armor. No. 1,236,034; Aug. 7; v. 241; p. 166.
- Almida, Steven A. (See Ensign and Almida.)
- Almon, Charles W., Youngstown, Ohio. Cabinet. No. 1,240,402; Sept. 18; v. 242; p. 599.

Alphabetical list of patentees—Continued.

- Alonso é Yzaguirre, Fernando, and J. Y. Villa, Dundee, Scotland. Shoe-sole and making the same. No. 1,236,244; Aug. 7; v. 241; p. 231.
- Alpenfels, Julius H., Denver, Colo. Decanting apparatus. No. 1,210,392; Jan. 2; v. 234; p. 4.
- Alpern, Maxwell, assignor to American Engineering Company, Philadelphia, Pa. Safety device. No. 1,220,052; Mar. 20; v. 236; p. 819.
- Alphaduct Company. (See Hyde, Courtney, assignor.)
- Alquist, Karl, Schenectady, N. Y. Flexible shaft-coupling. No. 1,233,954; July 17; v. 240; p. 863.
- Alquist, Karl, Schenectady, N. Y., assignor to General Electric Company. Spur-gearing. No. 1,220,810; Mar. 27; v. 236; p. 1122.
- Alquist, Karl, Schenectady, N. Y., assignor to General Electric Company. Spur-gearing. No. 1,220,811; Mar. 27; v. 236; p. 1122.
- Alsey, Ellsworth R., Paragould, Ark. Hinged gear-trip for automatic cotton-presses. No. 1,214,112; Jan. 30; v. 234; p. 1419.
- Alsfasser, Joseph, Chicago, Ill. Damper. No. 1,210,390; Jan. 2; v. 234; p. 3.
- Alsfasser, Joseph, Chicago, Ill. Damper-lock. No. 1,223,133; Apr. 17; v. 237; p. 817.
- Alsobrook, William W. (See Spence, John J., assignor.)
- Alsop, Bertha S., New York, N. Y. Bottle. No. 1,223,351; Apr. 24; v. 237; p. 923.
- Alsop Electrical Company. (See Alsop, James N., assignor.)
- Alsop, James N., Owensboro, Ky. Bleaching and maturing flour. No. 1,250,072; Dec. 11; v. 245; p. 505.
- Alsop, James N., assignor to Alsop Electrical Company, Owensboro, Ky. Preserving gas. No. 1,219,527; Mar. 20; v. 236; p. 637.
- Alston, William H., Troup, Tex. Plow. No. 1,243,378; Oct. 16; v. 243; p. 676.
- Alstrom, Irvin, Galva, Ill. Sack holder and support. No. 1,226,295; May 15; v. 238; p. 848.
- Alsworth, Louie F., Chicago, Ill. Device for opening and closing doors for garages, &c. No. 1,225,205; May 8; v. 238; p. 430.
- Alsworth, Louie F., Chicago, Ill. Device for truing wheels. No. 1,240,528; Sept. 18; v. 242; p. 638.
- Alt, George, Evansville, Ind. Annunciator. No. 1,236,647; Aug. 14; v. 241; p. 392.
- Altemus, Jacob K. (See Fisher, Raymond, assignor.)
- Altemus, Jacob K., Philadelphia, Pa. Winding-head apparatus. No. 1,212,600; Jan. 16; v. 234; p. 833.
- Altemus, Jacob K., Philadelphia, Pa. Knitting-yarn package. No. 1,214,741; Feb. 6; v. 235; p. 91.
- Altemus, Jacob K., Philadelphia, Pa. Yarn-winding machine. No. 1,214,742; Feb. 6; v. 235; p. 91.
- Altenberg, Alfons, assignor to Municipal Machine Manufacturing Company, Piqua, Ohio. Street-sweeping machine. No. 1,244,009; Oct. 23; v. 243; p. 905.
- Altenberg, George P., assignor to The Ice-Hot Bottle Company, Cincinnati, Ohio. Carafe and casing therefor. No. 1,218,036; Mar. 6; v. 236; p. 51.
- Altender, Ferdinand A., Glenside, Pa. Drawing implement. No. 1,221,786; Apr. 3; v. 237; p. 271.
- Altenkirch, Edmund, and B. Tenckhoff, Berlin, Germany. Heating plant utilizing the waste heat of refrigerating machines of the compression or absorption type. No. 1,214,255; Jan. 30; v. 234; p. 1468.
- Alter, Harry N., Chicago, Ill. Electric switch. No. 1,218,037; Mar. 6; v. 236; p. 52.
- Altgelt, Rudolph J., assignor to Oliver Chilled Plow Works, South Bend, Ind. Cultivator. No. 1,217,383; Feb. 27; v. 235; p. 1147.
- Altgelt, Rudolph J., Buenos Aires, Argentina, assignor to Oliver Chilled Plow Works, South Bend, Ind. Cultivator. No. 1,229,010; June 5; v. 239; p. 214.
- Altgelt, Rudolph J., Buenos Aires, Argentina, assignor to Oliver Chilled Plow Works, South Bend, Ind. Planter. No. 1,233,010; July 10; v. 240; p. 519.
- Altgelt, Rudolph J., assignor to Oliver Chilled Plow Works, South Bend, Ind. Cultivator. No. 1,237,854; Aug. 21; v. 241; p. 816.
- Althen, William C., Columbus, Ohio. Means for admitting air to intake-manifolds. No. 1,234,253; July 24; v. 240; p. 995.
- Althoff, Edward H., assignor of one-half to L. A. Roser, Salt Lake City, Utah. Apparatus for agitating freezing water. No. 1,219,897; Mar. 20; v. 236; p. 765.
- Altman, Elmer F., assignor of one-half to O. M. Oulman, Minneapolis, Minn. Wheel-hub. No. 1,241,473; Sept. 25; v. 242; p. 964.
- Altman, Martin A., Cleveland, Ohio. Pencil-light. No. 1,236,132; Aug. 7; v. 241; p. 194.
- Altman, Michael. (See Altman, Victor and M.)
- Altman, Roy. (See Howard and Altman.)
- Altman, Victor, Buffalo, and M. Altman, Rochester, N. Y. License-number plate. No. 1,224,056; Apr. 24; v. 237; p. 1169.
- Altoonian, Charles S., Providence, R. I. Combined life-preserver and diving-suit. No. 1,233,160; July 10; v. 240; p. 569.
- Altorfer, Alpheus W., Roanoke, assignor to Power Washing Machine Co., Peoria, Ill. Driving mechanism. No. 1,227,733; May 29; v. 238; p. 1393.
- Altorfer, Alpheus W., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Washing-machine. No. 1,241,895; Oct. 2; v. 243; p. 137.
- Altorfer, Alpheus W., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Actuating mechanism for washing-machines. No. 1,241,896; Oct. 2; v. 243; p. 138.
- Altorfer Bros. Company. (See Altorfer, Alpheus W., assignor.)
- Altpeter, Frank C., Chicago, Ill. Bottle-cleaning device. No. 1,213,445; Jan. 23; v. 234; p. 1161.
- Altpeter, Oscar, Milwaukee, Wis. Plastic composition. No. 1,211,382; Jan. 9; v. 234; p. 379.
- Altschul, Carl S., Fort Wayne, Ind. Electric control for automobiles. No. 1,223,925; Apr. 24; v. 237; p. 1125.
- Altschuler, Joseph, and D. Isnow, Los Angeles, Cal. Film-cutting indicator. No. 1,245,420; Nov. 6; v. 244; p. 83.
- Alukonis, James, Nashua, N. H. Bicycle-bell ringer. No. 1,213,058; Jan. 16; v. 234; p. 992.
- Alumbaugh, Harry T., Carlisle, Ind. Distributor for intake-manifolds. No. 1,250,753; Dec. 18; v. 245; p. 748.
- Aluminum Company of America. (See Blough and McIntosh, assignors.)
- Aluminum Company of America. (See Sherwin, Ralph S., assignor.)
- Aluminum Seal Company. (See Bubles, William C., assignor.)
- Alvah Bushnell Company. (See Bushnell, Alvah, Jr., assignor.)
- Alvarez, Antonio, assignor to American Can Company, San Francisco, Cal. Can-end closure. No. 1,220,151; Mar. 20; v. 236; p. 858.
- Alverson, Lewis, Omaha, Nebr. Standard fence-stay anchor-rod and lightning-rod. No. 1,222,255; Apr. 10; v. 237; p. 470.
- Alvey, Benjamin H., and M. U. Bernheim, Louisville, Ky., assignors, by mesne assignments, to The Alvey-Ferguson Company, Oakley, Ohio. Conveying system. No. 1,250,073; Dec. 11; v. 245; p. 506.
- Alvey-Ferguson Company, The. (See Alvey and Bernheim, assignors.)
- Alvey-Ferguson Company, The. (See Bernheim, Morris U., assignor.)
- Alvey-Ferguson Company, The. (See Ely, Bernard M., assignor.)
- Alvey-Ferguson Company, The. (See Wear and Ely, assignors.)
- Alvey, John A., assignor to Alvey Manufacturing Company, St. Louis, Mo. Automatic package-elevator. No. 1,219,898; Mar. 20; v. 236; p. 766.
- Alvey, John A., assignor to Alvey Manufacturing Company, St. Louis, Mo. Conveyer. No. 1,219,899; Mar. 20; v. 236; p. 766.
- Alvey, John A., assignor to Alvey Manufacturing Company, St. Louis, Mo. Loading mechanism for package-conveyers. No. 1,219,900; Mar. 20; v. 236; p. 767.
- Alvey, John A., assignor to Alvey Manufacturing Company, St. Louis, Mo. Bearing for conveyer-rollers. No. 1,219,901; Mar. 20; v. 236; p. 767.
- Alvey, John A., assignor to Alvey Manufacturing Company, St. Louis, Mo. Switch for gravity-conveyers. No. 1,232,882; July 10; v. 240; p. 479.
- Alvey, John A., assignor to Alvey Manufacturing Company, St. Louis, Mo. Bearing for conveyer-rollers. No. 1,241,324; Sept. 25; v. 242; p. 920.
- Alvey Manufacturing Company. (See Alvey, John A., assignor.)
- Alvey, Syrious R., Loretto, Ky. Portable elevator. No. 1,236,648; Aug. 14; v. 241; p. 392.
- Alwine, Charles, Elkhart, Ind. Guard for wood-shaping machine. No. 1,217,550; Feb. 27; v. 235; p. 1208.
- Alwea, Emery T. (See Alwea, Grace G., assignor.)
- Alwea, Grace G., Chicago, Ill., assignor of one-half to E. T. Alwea, Minneapolis, Minn. Embroidery-hoop. No. 1,229,857; June 12; v. 239; p. 549.
- Amadeo, Paul, Shenandoah, Pa. Powder-applying brush. No. 1,231,834; July 3; v. 240; p. 101.
- Amadeo, Paul, Shenandoah, Pa. Shoe-shining machine. No. 1,237,855; Aug. 21; v. 241; p. 817.
- Amann, John. (See Brown, James H., assignor.)
- Amato, Frank, New York, N. Y. Door-lock. No. 1,240,403; Sept. 18; v. 242; p. 599.
- Amber Size & Chemical Company, The. (See Fish, Charles W., assignor.)
- Amberg, Walter E., Chicago, Ill. Folding-machine. No. 1,245,421; Nov. 6; v. 244; p. 83.
- Amberg, Walter E., assignor to Chicago Steel Post Co., Chicago, Ill. Wire-fastener. No. 1,234,112; July 24; v. 240; p. 948.
- Ambicky, John, East Orange, assignor of one-half to S. Pelleck, Newark, N. J. Knife. No. 1,235,870; Aug. 7; v. 241; p. 112.
- Ambler, David, Irma, Alberta, Canada. Grain-pan screen. No. 1,223,352; Apr. 24; v. 237; p. 923.
- Ambler, George B., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Collapsible vehicle. No. 1,215,303; Feb. 6; v. 235; p. 285.
- Ambler, George B., assignor to F. A. Whitney Carriage Company, Leominster, Mass. Collapsible vehicle. No. 1,242,634; Oct. 9; v. 243; p. 411.
- Amborn, George, Chapinville, Conn., assignor to J. H. Williams & Co., Brooklyn, N. Y. Boring-tool holder. No. 1,217,895; Mar. 6; v. 236; p. 3.
- Ambrose, Harry T. (See Walter, Edward C., assignor.)

- Ambrose, Thomas P., Cincinnati, Ohio. Portable burglar-alarm. No. 1,218,038; Mar. 6; v. 236; p. 52.
- Ambruster, Cornelius, Philadelphia, Pa. Ink-pad holder. No. 1,244,683; Oct. 30; v. 243; p. 1145.
- Ambursen, Nils F., Brookline, Mass. Apparatus for constructing concrete floors. No. 1,216,644; Feb. 20; Gaz. vol. 235; p. 851.
- Amelung, Alex F., Sanborn, Iowa. Engine-repair stand. No. 1,236,246; Aug. 7; v. 241; p. 231.
- Amend, Otto P. (See Axtell, Cyrus F., assignor.)
- Ament, Elizabeth, Los Angeles, Cal. Window-shade roller. No. 1,244,403; Oct. 23; v. 243; p. 1022.
- American Abrasive Metals Company. (See Jacobs, Charles B., assignor.)
- American Air Purifier Corporation. (See Dickerson, Malcolm, assignor.)
- American Arch Company. (See Anthony, James T., assignor.)
- American Arch Company. (See Neff, John P., assignor.)
- American Arch Company. (See Nicholson, John L., assignor.)
- American Arch Company. (See Parish, Le Grand, assignor.)
- American Arch Company. (See Stevens, Enoch P., assignor.)
- American Arch Company. (See Willett, Alford H., assignor.)
- American Assembling Machine Company. (See Juengst, Charles A., assignor.)
- American Assembling Machine Company. (See Story, Ward B., assignor.)
- American Auto Lock Company. (See Sunnergren, Arvid P., assignor.)
- American Automatic Press Company. (See Leov, George C., assignor.)
- American B. H. P. Aero Engine Corporation. (See Pullinger, Thomas C. W., assignor.)
- American Bakers Machinery Company. (See Kirchhoff, William G., assignor.)
- American Ball Bearing Company, The. (See Baker, Walter C., assignor.)
- American Bank Note Company. (See Eaton, William S., assignor.)
- American Bank Note Company. (See Smith, Amos H., assignor.)
- American Banker's Safety Company, The. (See Spivey, Thomas S., assignor.)
- American Banking Machine Corporation. (See Hosking, Richard T., assignor.)
- American Box and Crate Company. (See Boardman, Thomas V., assignor.)
- American Brake Company, The. (See Burton, Thomas L., assignor.)
- American Brake Company, The. (See Schwentler, Francis E., assignor.)
- American Brake-Shoe & Foundry Company, The. (See Armbrust, Charles W., assignor.)
- American Brake Shoe & Foundry Company, The. (See Jones, Harry, assignor.)
- American Brake Shoe & Foundry Company, The. (See Jones and Augur, assignors.)
- American Brake Shoe and Foundry Company, The. (See McDonough, William H., assignor.)
- American Brake Shoe & Foundry Company, The. (See Sargent, Fritz William, assignor.)
- American Brake Shoe and Foundry Company, The. (See Schoenheiter, Herman K., assignor.)
- American Brake Shoe and Foundry Company, The. (See Winter, Charles N., assignor.)
- American Briquette Machine Co. (See Duryea, Otho C., assignor.)
- American Can Company. (See Alvarez, Antonio, assignor.)
- American Can Company. (See Augensen, August M., assignor.)
- American Can Company. (See Butler, William F., assignor.)
- American Can Company. (See Coate, Walter J., assignor.)
- American Can Company. (See Cullen, William J., assignor.)
- American Can Company. (See Dixon, James W., assignor.)
- American Can Company. (See Dun Lany, William P., assignor.)
- American Can Company. (See Eberhart, Felix, assignor.)
- American Can Company. (See Fleischer, Paul W., assignor.)
- American Can Company. (See Gray, James A., assignor.)
- American Can Company. (See Hodgson, John G., assignor.)
- American Can Company. (See Hoffman, Edmund, assignor.)
- American Can Company. (See Hothersall, John M., assignor.)
- American Can Company. (See Jones, Harry W., assignor.)
- American Can Company. (See Ross, Conrad, assignor.)
- American Can Company. (See Rudolph, Franklin, assignor.)
- American Can Company. (See Rudolphi and Ostlin, assignors.)
- American Can Company. (See Schenck, John E., assignor.)
- American Can Company. (See Shaffer, Frank, assignor.)
- American Can Company. (See Specht, John H., assignor.)
- American Can Company. (See Taylor, William E., assignor.)
- American Can Company. (See Thornburgh, Ivan D., assignor.)
- American Can Company. (See Tourtellot, Henry B., assignor.)
- American Can Company. (See Vaughan, Ross, assignor.)
- American Can Company. (See Wegner and Schrader, assignors.)
- American Can Company. (See Wood, Frederick P., assignor.)
- American Can Company. (See Young, John M., assignor.)
- American Car and Foundry Company. (See Ames, Joseph H., assignor.)
- American Car and Foundry Company. (See Anderson, August, assignor.)
- American Car and Foundry Company. (See Beard, Paul M., assignor.)
- American Car and Foundry Company. (See Cherbonnier, George C., assignor.)
- American Car and Foundry Company. (See Cooper, James J., assignor.)
- American Car and Foundry Company. (See Davenport, Ray H., assignor.)
- American Car and Foundry Company. (See Dietrichson, William F., assignor.)
- American Car and Foundry Company. (See Elliott and Steinmeyer, assignors.)
- American Car and Foundry Company. (See Ellis, Robert G., assignor.)
- American Car and Foundry Company. (See Gibbs, Frederick H., assignor.)
- American Car and Foundry Company. (See Hochberg, Oscar, assignor.)
- American Car and Foundry Company. (See Johnson, Warren V., assignor.)
- American Car and Foundry Company. (See Johnson, William S., assignor.)
- American Car and Foundry Company. (See Johnson and Gibbs, assignors.)
- American Car and Foundry Company. (See McDonald, William J., assignor.)
- American Car and Foundry Company. (See McDowell, John L., assignor.)
- American Car and Foundry Company. See Neumayer, Maximilian J., assignor.)
- American Car and Foundry Company. (See Ostrander, Allen E., assignor.)
- American Car and Foundry Company. (See Ostrander and Schroeder, assignors.)
- American Car and Foundry Company. (See Roa, William J., assignor.)
- American Car and Foundry Company. (See Rohlfing, John M., assignor.)
- American Car and Foundry Company. (See Stevenson, Frederick A., assignor.)
- American Car and Foundry Company. (See Walp and O'Leary, assignors.)
- American Car and Foundry Company. (See Weisbrod, Jacob H., assignor.)
- American Car and Foundry Company. (See Willoughby, Victor, assignor.)
- American Car Roof Company. (See Brown, Christy, assignor.)
- American Carbolite Company. (See Duncan and Shoup, assignors.)
- American Carbon & Battery Co. (See Hambuechen, Carl, assignor.)
- American Carbureter Co. (See Merriam, Harry C., assignor.)
- American Casting Company. (See Dimick, Daniel B., assignor.)
- American Chain Company. (See Breul, Frederick G., assignor.)
- American Chain Company. (See Lashar, Walter B., assignor.)
- American Chemical & Manufacturing Company. (See Coleman, Lewis A., assignor.)
- American Cigar Company. (See Schneider, Anthony, assignor.)
- American Cinematograph Company. (See Sperry, Philmore F., assignor.)
- American Clay Machinery Company. (See Brown, Davis, assignor.)
- American Clay Machinery Company. (See Perrott, Ralph O., assignor.)
- American Clay Products Company. (See Shutt, Edward W., assignor.)
- American Coin Register Company. (See Voglesong, Clyde C., assignor.)
- American Concrete Forms Company. (See Furry, William C., assignor.)
- American Conduit Manufacturing Company, The. (See Abbott, Chauncey W., assignor.)
- American Coretine Company. (See Dymock, Arthur, assignor.)
- American Cork Screw Company. (See McConnell, Harry R., assignor.)
- American Crayon Company, The. (See Daniel and Hord, assignors.)
- American Dan Stopper Company. (See Nordstrom, Elof, assignor.)

Alphabetical list of patentees—Continued.

- American District Steam Company. (See Dudley, Charles J., assignor.)
 American District Telegraph Company. (See Hoge, Joseph F. D., assignor.)
 American District Telegraph Company. (See Hopkins, Richard M., assignor.)
 American District Telegraph Company. (See Hopkins and Hoge, assignors.)
 American Drafting Furniture Co. (See Barkley, Fred W., assignor.)
 American Drafting Furniture Co. (See Forbes, Leighton H., assignor.)
 American Electrical Heater Company. (See Kuhn and Hand, assignors.)
 American Electrical Heater Company. (See Kuhn and Shailor, assignors.)
 American Encaustic Tiling Co. (See Stanberry, George A., assignor.)
 American Encaustic Tiling Company. (See Alcan, Félix, assignor.)
 American Encaustic Tiling Company. (See Lillibridge, Harry D., assignor.)
 American Engine and Electric Company. (See Hensley, William T., assignor.)
 American Engineering Company. (See Alpern, Maxwell, assignor.)
 American Engineering Company. (See Williamson, John D., Jr., assignor.)
 American Flooring Company. (See Nienstaedt, Max, assignor.)
 American Folding Machine Company, The. (See Zeitz, John J., assignor.)
 American Gas-Accumulator Company. (See Dalen, Gustaf, assignor.)
 American Grain Deodorizing Co. (See Moore, Payton J. H., assignor.)
 American Graphophone Company. (See Archer, Harry W., assignor.)
 American Graphophone Company. (See Bowen, George H., Jr., assignor.)
 American Graphophone Company. (See Buelna and Burson, assignors.)
 American Graphophone Company. (See Capps, Frank L., assignor.)
 American Graphophone Company. (See Capps and Scully, assignors.)
 American Graphophone Company. (See Woods, Clinton E., assignor.)
 American Gum Products Company. (See Coughlin, Michael F., assignor.)
 American Hard Rubber Co. (See Weiting, William W., assignor.)
 American Hardware Corporation. (See Andrews, Joseph C., assignor.)
 American Hardware Corporation, The. (See Hurd, Norman B., assignor.)
 American Hardware Corporation, The. (See Johnson, Charles E., assignor.)
 American Hardware Corporation, The. (See Stone, Elmer B., assignor.)
 American Hardware Corporation, The. (See Svenson, Charles W., assignor.)
 American High Speed Press Company. (See Sinnott, Gilbert J., assignor.)
 American High Speed Press Company. (See Wood, Henry A. W., assignor.)
 American Hoist & Derrick Company. (See Crosby, Oliver, assignor.)
 American Hosiery Company. (See Pasco, Martin K., assignor.)
 American Incandescent Heat Company. (See Smallwood, Alfred, assignor.)
 American Key Can Company. (See McColl, Francis P., assignor.)
 American La France Fire Engine Company. (See McCaslin, Harry M., assignor.)
 American La France Fire Engine Company. (See Mork, Harry S., assignor.)
 American Lady Corset Company. (See Breivogel, Louis P., assignor.)
 American Laundry Machinery Co. (See Daly, Michael, assignor.)
 American Laundry Machinery Co., The. (See Kane and Couch, assignors.)
 American Laundry Machinery Company, The. (See Andree, William E., assignor.)
 American Laundry Machinery Company. (See Binder, Gottlob, assignor.)
 American Laundry Machinery Company. (See Braley, Charles L., assignor.)
 American Laundry Machinery Company, The. (See Brockett, Bluford W., assignor.)
 American Laundry Machinery Company. (See Cooper, Daniel M., assignor.)
 American Laundry Machinery Company. (See Couch, Forrest J., assignor.)
 American Laundry Machinery Company. (See Richmond, John, assignor.)
 American Laundry Machinery Company, The. (See Benjamin and Brockett, assignors.)
 American Linen Company. (See Overholt and Granbois, assignors.)
 American Lithographic Company. (See Dietsche, Adolph, assignor.)
 American Loose Leaf Manufacturing Company. (See Wessel, Louis, Jr., assignor.)
 American Machine & Foundry Company. (See Marsh, Harry S., assignor.)
 American Machine & Manufacturing Company. (See Davidson, Joseph, assignor.)
 American Machine & Manufacturing Company. (See Kennedy, Alfred D., assignor.)
 American Manganese Steel Company. (See Crane, Ernest E., assignor.)
 American Manganese Steel Company. (See Elfborg, Henry G., assignor.)
 American Manganese Steel Company. (See Johnson, Frank E., assignor.)
 American Manganese Steel Company. (See McKee and Nichols, assignors.)
 American Manganese Steel Company. (See Nichols, Wesley G., assignor.)
 American Manganese Steel Company. (See Nichols and Exton, assignors.)
 American McKenna Process Company. (See Langford, George, assignor.)
 American Mechanical Improvement Company. (See Slate, Thomas B., assignor.)
 American Mechanical Toy Company, The. (See Keller, John R., assignor.)
 American Metal Cap Co. (See Hammer, Charles, assignor.)
 American Metal Cap Co. (See Kramer and Hammer, assignors.)
 American Metal Products Company. (See Littmann, August, assignor.)
 American Meter Co. (See Kerstein, Ernest A., assignor.)
 American Meter Company, The. (See Harrington, Walter K., assignor.)
 American Mine Door Company, The. (See Dillon, James F., assignor.)
 American Mining Tool Company. (See Simmons, George B., assignor.)
 American Moistening Company. (See Comins, Frank B., assignor.)
 American Molding Machine Co. (See Norcross, William C., assignor.)
 American Motors Tire Company. (See McLeod, Nelson W., assignor.)
 American Multigraph Company, The. (See Neidich, Samuel A., assignor.)
 American Multigraph Company, The. (See Trundle, George T., Jr., assignor.)
 American Narrow Fabric Company. (See Hazelton, Carl J., assignor.)
 American Optical Company. (See Arnold, Arthur A., assignor.)
 American Optical Company. (See Baker, Nelson M., assignor.)
 American Optical Company. (See Bugbee, Lucian W., assignor.)
 American Optical Company. (See Carson, Oswald B., assignor.)
 American Optical Company. (See Day, George H., assignor.)
 American Optical Company. (See Day and Carson, assignors.)
 American Optical Company. (See Emerson, Alfred H., assignor.)
 American Optical Company. (See Gilbert, Harvey N., assignor.)
 American Optical Company. (See Gordon, Robert L., assignor.)
 American Optical Company. (See Hamilton and Styll, assignors.)
 American Optical Company. (See Herbert, Pitt H., assignor.)
 American Optical Company. (See Maynard, Albert E., assignor.)
 American Optical Company. (See Moffitt, Jeremiah, assignor.)
 American Optical Company. (See Soulé, Byron A., assignor.)
 American Optical Company. (See Tillyer, Edgar D., assignor.)
 American Optical Company. (See Tully, George L., assignor.)
 American Pad and Textile Company, The. (See Lewis, McClain, Skeen, and Massey, assignors.)
 American Paper Goods Company, The. (See Cooley, Henry B., assignor.) (Reissue.)
 American Perforator Company. (See Day, Alfred L., assignor.)
 American Photo Player Company. (See Van Valkenburg, Burt R., assignor.)
 American Photo Player Company. (See Van Valkenburg, Harold A., assignor.)
 American Piano Company. (See Holmes, James S., assignor.)
 American Piano Company. (See Russell, Guy M., assignor.)
 American Piano Company. (See Williams and Foss, assignors.)
 American Piano Company. (See Wright, Flint W., assignor.)
 American Pin Company. (See Courtland, William A., assignor.)

- American Plaster-Drill Co. (See Kunitz, Benjamin, assignor.)
 American Plate Glass Company. (See Salisbury, Frank W., assignor.)
 American Plate Glass Company. (See Willis, John, assignor.)
 American Player Action Company. (See Turney, Eugene T., assignor.)
 American Playground Device Company. (See Townsend, Paul V., assignor.)
 American Pressweld Radiator Corporation. (See Safford, Clarence E., assignor.)
 American Pressweld Radiator Corporation. (See Singer, Frank J., assignor.)
 American Products Company. (See Hodge and Ruggles, assignors.)
 American Products Company. (See Naylor and Ruggles, assignors.)
 American Propeller and Manufacturing Co. (See Heath, Spencer, assignor.)
 American Pulley Company, The. (See Brinley, Chas. A., assignor.)
 American Pure Food Process Company, The. (See Schmitt, Edward D., assignor.)
 American Radiator Company. (See Courtot, Louis, assignor.)
 American Radiator Company. (See Howell, Frank B., assignor.)
 American Radiator Company. (See Hutsel, Robert, assignor.)
 American Radiator Company. (See Shearer, Frederic, assignor.)
 American Radiator Company. (See Thompson, Charles B., assignor.)
 American Railways Equipment Company, The. (See Whistler, David B., assignor.)
 American Ring Company. (See Condit, George M., assignor.)
 American Road Machinery Company. (See Harmon, Edwin L., assignor.)
 American Roll Gold Leaf Company. (See Littlefield, George E., assignor.)
 American Rolling Mill Company, The. (See Freeze, Johnathan R., assignor.)
 American Safety Signal Company, The. (See Mancl and Nelson, assignors.)
 American Sales Book Company. (See Bottle, Edward K., assignor.)
 American Sales Co. (See Ferguson, Louis B., assignor.)
 American Sales Company. (See King, Roy D., assignor.)
 American Sanitary Works. (See Tilden, Bert O., assignor.)
 American Saw & Manufacturing Company. (See Ericson, Carl L., assignor.)
 American Seating Company. (See Wills, Wayne, assignor.)
 American Seeding Machine Company, The. (See Braley, William L., assignor.)
 American Seeding Machine Company, The. (See Faas and Braley, assignors.)
 American Sewer Pipe Company, The. (See Rook, William H., Jr., assignor.)
 American Sheet and Tin Plate Company. (See Hunter and Edge, assignors.)
 American Sheet and Tin Plate Company. (See McArthur, Arthur R., assignor.)
 American Shoe Machinery & Tool Company. (See Schoenky, Henry F., assignor.)
 American Slicing Machine Company. (See Wolf and Hood, assignors.)
 American Smelting & Refining Co. (See Van Amburgh, Charles, assignor.)
 American Smelting and Refining Company. (See Richards, Adelbert H., assignor.)
 American Steam Conveyor Corporation. (See Griffin, Lorne A., assignor.)
 American Steam Gauge & Valve Manufacturing Co. (See Collette, Austin B., assignor.)
 American Steam Gauge & Valve Manufacturing Company. (See Manning, Coleman J., assignor.)
 American Steel Foundries. (See Bird, Frederick H., assignor.)
 American Steel Foundries. (See Carscadin and Woodman, assignors.)
 American Steel Foundries. (See Davis, James C., assignor.)
 American Steel Foundries. (See Floyd, George G., assignor.)
 American Steel Foundries. (See Hedcock, William C., assignor.)
 American Steel Foundries. (See Janney, Robert E. L., assignor.)
 American Steel Foundries. (See Lamont, John A., assignor.)
 American Steel Foundries. (See Scott, George E., assignor.)
 American Steel Foundries. (See Stearns, Walter A., assignor.)
 American Steel Window Company. (See Johnson and Tait, assignors.)
 American Steel and Wire Company of New Jersey, The. (See Brown, Robert E., assignor.)
 American Steel and Wire Company of New Jersey. (See Carstarphen, Frederick C., assignor.)
 American Steel & Wire Company of New Jersey, The. (See Hindmarsh, Percy J., assignor.)
 American Steel & Wire Company of New Jersey, The. (See Kilmer, William A., assignor.)
 American Steel and Wire Company of New Jersey, The. (See Phifer, James S., assignor.)
 American Steel & Wire Company of New Jersey, The. (See Seaholm and Wilton, assignors.)
 American Sterilizer Company. (See Noble, George H., assignor.)
 American Sterilizer Company. (See Wiley, William A., assignor.)
 American Stove Company. (See Child, Guy B., assignor.)
 American Stove Company. (See Meacham, Benjamin E., assignor.)
 American Stove Company. (See Parpert, Herman, assignor.)
 American Stove Company. (See Possons, Minard A., assignor.)
 American Taximeter Company. (See Richard, Charles D., assignor.)
 American Telephone and Telegraph Company. (See Barrows and Charlesworth, assignors.)
 American Telephone and Telegraph Company. (See Bascom, Henry M., assignor.)
 American Telephone and Telegraph Company. (See Campbell, George A., assignor.)
 American Telephone and Telegraph Company. (See Carson, John R., assignor.)
 American Telephone & Telegraph Company. (See Colpitts, Edwin H., assignor.) (Reissue.)
 American Telephone and Telegraph Company. (See Cousins, Volney D., assignor.)
 American Telephone and Telegraph Company. (See Davidson, John, Jr., assignor.)
 American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)
 American Telephone and Telegraph Company. (See Fell, John M., assignor.)
 American Telephone and Telegraph Company. (See Gherardi, Bancroft, assignor.)
 American Telephone and Telegraph Company. (See Grisinger, Elwood, assignor.)
 American Telephone and Telegraph Company. (See Hoffmann, Henry L., assignor.)
 American Telephone and Telegraph Company. (See Hoyt, Ray S., assignor.)
 American Telephone and Telegraph Company. (See Kitsee, Isidor, assignor.)
 American Telephone and Telegraph Company. (See Mills and Hoyt, assignors.)
 American Telephone and Telegraph Company. (See Molina, Edward C., assignor.)
 American Telephone and Telegraph Company. (See Mouradian, Hughes, assignor.)
 American Telephone and Telegraph Company. (See Persson, Frans, assignor.)
 American Telephone and Telegraph Company. (See Shaw, Thomas, assignor.)
 American Telephone and Telegraph Company. (See Singer, Frank K., assignor.)
 American Telephone and Telegraph Company. (See Toomey, John F., assignor.)
 American Thread Company, The. (See Curry, Malcolm, assignor.)
 American Thread Company, The. (See Marx, Henry J., assignor.)
 American 3-Way Prism Co. (See Bauch, William H., assignor.)
 American Tool & Machine Company. (See Barker and Adams, assignors.)
 American Tool & Machine Company. (See Phillips, Eli W., assignor.)
 American Tool Works Company, The. (See Herrmann and Robinson, assignors.)
 American Tool Works Company, The. (See Sosa, August M., assignor.)
 American Train Control Company, The. (See Scott, Thomas W., assignor.)
 American Train Control Company, The. (See Scott and Rudolph, assignors.)
 American Type Founders Company. (See Hay, Levi C., assignor.)
 American Type Founders Company. (See Kelly, William H., assignor.)
 American Valve and Meter Company, The. (See Anderson, Frank C., assignor.)
 American Vulcanized Fibre Company. (See Stout, George W., assignor.)
 American Warp Drawing Machine Company. (See Clapperton, Alexander, assignor.)
 American Warp-Drawing Machine Company. (See Field, Hathaway, and Lanning, assignors.)
 American Warp Drawing Machine Company. (See Hathaway, Edgar F., assignor.)
 American Warp Drawing Machine Company. (See Hathaway and Lanning, assignors.)
 American Warp Drawing Machine Company. (See Hathaway and Lea, assignors.)
 American Warp Drawing Machine Company. (See Lea, Charles, assignor.)
 American Water Softener Company. (See Hodgkinson, George F., assignor.)

Alphabetical list of patentees—Continued.

- American Water Supply Company of New England. (See Bohlman, George J., assignor.)
 American Water Supply Company of New England. (See Provandie, Herbert F., assignor.)
 American Welding Company. (See Rowland, Charles L., assignor.)
 American Well Works, The. (See Bodinson, Lars W., assignor.)
 American Well Works, The. (See Chapman, Matthew T., assignor.)
 American Well Works, The. (See Kerr, Charles V., assignor.)
 American Well Works, The. (See Palmer, Benjamin L., assignor.)
 American Well Works, The. (See Sperry, John B., assignor.)
 American Wringer Company, The. (See Holaday, Albert E., assignor.)
 American Wringer Company, The. (See Lauritzen, Nis P., assignor.)
 American Wringer Company, The. (See Wright, Rea P., assignor.)
 Amerman, John E., Brooklyn, N. Y. Drip-pan signal. No. 1,211,271; Jan. 2; v. 234; p. 309.
 Ames, Adelbert, Jr., Tewksbury, Mass. Projection apparatus. No. 1,216,910; Feb. 20; v. 235; p. 939.
 Ames, Adelbert, Jr., Tewksbury, Mass. Projection apparatus. No. 1,216,911; Feb. 20; v. 235; p. 940.
 Ames, Adelbert, Jr., Tewksbury, Mass. Reflector. No. 1,216,912; Feb. 20; v. 235; p. 940.
 Ames, Adelbert, Jr., Tewksbury, Mass. Reflector. No. 1,216,913; Feb. 20; v. 235; p. 941.
 Ames, Adelbert, Jr., Tewksbury, Mass. Projection apparatus. No. 1,216,914; Feb. 20; v. 235; p. 941.
 Ames, Adelbert, Jr., Tewksbury, Mass. Projection apparatus. No. 1,235,752; Aug. 7; v. 241; p. 72.
 Ames, Arthur N., assignor, by mesne assignments, to Commercial Machine Company, Franklin, N. H. Yarn-changing mechanism for knitting-machines. No. 1,210,881; Jan. 2; v. 234; p. 173.
 Ames, Arthur R., La Grange, Ill. Platen-grinding machine. No. 1,243,241; Oct. 16; v. 243; p. 635.
 Ames, Burton C., Toledo, Ohio. Safety means for power-presses. No. 1,216,645; Feb. 20; v. 235; p. 851.
 Ames, Butler, Lowell, Mass. Ignition system. No. 1,219,687; Mar. 20; v. 236; p. 692.
 Ames, Butler, Lowell, Mass. Electromagnetically-operated horn. No. 1,231,835; July 3; v. 240; p. 101.
 Ames, Charles W., Eyebrow, Saskatchewan, Canada. Grain-shocker. No. 1,233,955; July 17; v. 240; p. 864.
 Ames, James L., Newton, Kans. Traffic-signal. No. 1,250,265; Dec. 18; v. 245; p. 603.
 Ames, Joseph H., Detroit, Mich., assignor to American Car and Foundry Company, St. Louis, Mo. Die-machine for forging annular work. No. 1,224,829; May 1; v. 238; p. 253.
 Amess, Agness, St. Louis, Mo. Roller-bearing. No. 1,232,750; July 10; v. 240; p. 437.
 Amet, Edward H., Redondo Beach, Cal. Apparatus for producing companion auditory and visual records for simultaneous reproduction. No. 1,221,407; Apr. 3; v. 237; p. 143.
 Amet, Edward H., Redondo Beach, Cal. Means for reproducing vibrations. No. 1,221,408; Apr. 3; v. 237; p. 144.
 Amet, Edward H., Redondo Beach, Cal. Electric telephone talking-machine. No. 1,222,348; Apr. 10; v. 237; p. 503.
 Amet, Edward H., Redondo Beach, Cal. Means for utilizing electrically-transmitted impulses. No. 1,225,203; May 8; v. 238; p. 429.
 Amet, Edward H., Redondo Beach, Cal. Dead-beat balanced electrical transmitter. No. 1,236,649; Aug. 14; v. 241; p. 393.
 Amiot, Felix, Issy-les-Moulineaux, assignor to Société D'Emboutissage et de Constructions Mécaniques, Paris, France. Connecting hollow metal parts. No. 1,250,411; Dec. 18; v. 245; p. 647.
 Amis, Henry C., Stanfield, Oreg. Hay-knife. No. 1,224,436; May 1; v. 238; p. 117.
 Amiss, James T., Baton Rouge, La. Type-writer ribbon. No. 1,212,166; Jan. 16; v. 234; p. 677.
 Amman, Albert F., Naponee, Nebr. Hay-stacker. No. 1,210,393; Jan. 2; v. 234; p. 4.
 Ammann, Henry A., assignor to Diamond Individual Towel System Co., Spokane, Wash. Towel-rack. No. 1,248,984; Dec. 4; v. 245; p. 162.
 Ammann, Ulrich, Langenthal, Switzerland. Road-roller. No. 1,246,696; Nov. 13; v. 244; p. 494.
 Ammon, Edward E. (See Wettrich and Ammon.)
 Ammon, John, assignor to H. Christman, New York, N. Y. Pedal for musical instruments. No. 1,229,567; June 12; v. 239; p. 452.
 Amon, Josef. (See Hadaway, Lightfoot, and Amon.)
 Amoroso, Silvio, Boston, Mass. Binder-ring. No. 1,228,866; June 5; v. 239; p. 168.
 Amos, Thomas E., and G. J. Abernathy, Ambrose, Tex. Peanut-digger. No. 1,226,437; May 15; v. 238; p. 892.
 Amos, William, Providence, R.-I. Faucet. No. 1,217,132; Feb. 27; v. 235; p. 1062.
 Amphion Piano Player Co., The. (See Doman, Lewis B., assignor.)
 Ams, Charles M. (See Arndt, Henry P., assignor.)
 Amsbary, William N., Los Angeles, and T. D. Stewart, Ocean Park, Cal. Combination food and water cooler. No. 1,229,011; June 5; v. 239; p. 214.
 Amsden, George A., Littleton, assignor to The Lamson Company, Boston, Mass. Multiple-drop station for cable-carrier apparatus. No. 1,215,234; Feb. 6; v. 235; p. 262.
 Amsden, George A., Littleton, assignor to The Lamson Company, Boston, Mass. Cable-carrier apparatus. No. 1,226,740; May 22; v. 238; p. 1029.
 Amsden, Thomas G., assignor of one-half to R. F. Ferguson, Fort Erie, Ontario, Canada. Self-igniter for burners. No. 1,246,374; Nov. 13; v. 244; p. 399.
 Amsel, Henry, and B. Reichard, New York, N. Y. Extension-table. No. 1,227,102; May 22; v. 238; p. 1154.
 Amsler, Paul, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Self-excited direct-current dynamo-electric machinery. No. 1,220,486; Mar. 27; v. 236; p. 1012.
 Amstutz, Daniel S., Orville, Ohio. Utility-box. No. 1,217,384; Feb. 27; v. 235; p. 1147.
 Anable, Frederick S., Brookline, assignor to National Binding Machine Company, Boston, Mass. Strip-serving device. No. 1,216,763; Feb. 20; v. 235; p. 891.
 Anable, Frederick S., Brookline, Mass., assignor to National Binding Machine Company, New York, N. Y. Strip-serving device. No. 1,221,002; Mar. 27; v. 236; p. 1185.
 Ananson, John H., Stirling, N. J. Paper-holder. No. 1,241,897; Oct. 2; v. 243; p. 138.
 Anchor Cap & Closure Corporation. (See Ingram, Alfred, assignor.)
 Anchor Cap & Closure Corporation. (See Magrane, Robert, assignor.)
 Anchor Cap & Closure Corporation. (See Townsend, Harry E., assignor.)
 Anchor Company. (See Belknap, Robert E., assignor.)
 Anchorstar, Anna M., New York, N. Y. Sanitary seat-cover apparatus. No. 1,250,541; Dec. 18; v. 245; p. 686.
 Ancona, John F. (See Ancona, John F. and J. F.)
 Ancona, John F., Rochester, N. Y. Printing and cutting machine. No. 1,222,914; Apr. 17; v. 237; p. 741.
 Ancona, John F., Reading, Pa. Reading device. No. 1,248,779; Dec. 4; v. 245; p. 104.
 Ancona, John F., Reading, Pa., and J. Ancona, Rochester, N. Y. Reading device. No. 1,248,780; Dec. 4; v. 245; p. 104.
 Anderberg, Anders, Malmö, Sweden. Locomotive-boller and the like. No. 1,212,435; Jan. 16; v. 234; p. 774.
 Anderman, Goldie L., assignor to Kabo Corset Co., Chicago, Ill. Brassière. No. 1,242,118; Oct. 9; v. 243; p. 247.
 Anders, Hanns R., Perth Amboy, N. J., assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Finishing animal filaments, fibers, or threads. No. 1,210,394; Jan. 2; v. 234; p. 4.
 Andersch, Henry, and J. A. Rausch, St. Louis, Mo. Mop-clamp. No. 1,223,464; Apr. 24; v. 237; p. 962.
 Andersen, Carl. (See Westling and Andersen.)
 Andersen, Charles M., Denver, Colo., assignor to Auto Power Generator and Appliance Company. Transmission apparatus. No. 1,211,033; Jan. 2; v. 234; p. 227.
 Andersen, Christian, Portland, Oreg. Motion-picture machine. No. 1,246,217; Nov. 13; v. 244; p. 351.
 Andersen, Christian C., Davenport, Iowa. Fuel valve and strainer. No. 1,214,405; Jan. 30; v. 234; p. 1521.
 Andersen, Emil W., Aarhus, Denmark. Kilm for drying vegetable substances. No. 1,213,156; Mar. 6; v. 236; p. 94.
 Andersen, Frederick E., Red Wing, Minn. Sealing-cap for bottles. No. 1,242,510; Oct. 9; v. 243; p. 370.
 Andersen, Hans W., Odense, Denmark. Impregnating woven belts and conveying-bands. No. 1,218,350; Mar. 6; v. 236; p. 161.
 Andersen, Johan M., assignor to Albert and J. M. Anderson Manufacturing Company, Boston, Mass. Circuit-controller. No. 1,210,581; Jan. 2; v. 234; p. 70.
 Andersen, Johan M., assignor to Albert & J. M. Anderson Manufacturing Company, Boston, Mass. Electric-circuit controller. No. 1,250,754; Dec. 18; v. 245; p. 748.
 Andersen, John, Brooklyn, N. Y. Toy cap-pistol. No. 1,216,258; Feb. 20; v. 235; p. 715.
 Andersen, Lauritz W., Waterbury, Conn. Ball-joint. No. 1,232,473; July 10; v. 240; p. 345.
 Andersen, Lauritz W., Waterbury, Conn. Upright shade-holder. No. 1,235,632; Aug. 7; v. 241; p. 33.
 Andersen, Paul, Freeport, N. Y. Plaster-rasp. No. 1,216,915; Feb. 20; v. 235; p. 942.
 Anderson, Adolph, assignor to Aurora Automatic Machinery Company, Chicago, Ill. Motor-cycle stand. No. 1,213,994; Jan. 30; v. 234; p. 1379.
 Anderson, Adolph, assignor to Aurora Automatic Machinery Company, Chicago, Ill. Spring-fork for motor-cycles. No. 1,213,995; Jan. 30; v. 234; p. 1379.
 Anderson, Adolph, assignor to Aurora Automatic Machinery Co., Chicago, Ill. Gun-carriage. No. 1,239,860; Sept. 11; v. 242; p. 393.
 Anderson, Adolph F., Conde, S. D. Safety-snap. No. 1,228,513; June 5; v. 239; p. 48.
 Anderson, Albert M., Milwaukee, Wis., assignor of one-half to J. W. Thomas, Chicago, Ill. Railway mud-guard. No. 1,244,010; Oct. 23; v. 243; p. 905.

- Anderson, Albert S. (See Schwister, John, assignor.)
- Anderson, Albert S., deceased, East Chattanooga, Tenn.; H. A. Anderson, administratrix. Apparatus for painting and drying. No. 1,238,619; Aug. 28; v. 241; p. 1097.
- Anderson, Alfred, Chicago, Ill. Adjustable and taper-ground valve or plug for fire-hose. No. 1,248,781; Dec. 4; v. 245; p. 105.
- Anderson, Algot H., Brooklyn, N. Y. Bed attachment. No. 1,223,230; Apr. 17; v. 237; p. 848.
- Anderson, Allen A., Chicago, Ill. Needle-threading thimble. No. 1,220,387; Mar. 27; v. 236; p. 977.
- Anderson, Anders J., assignor of one-half to C. Borup, Colville, Wash. Internal-combustion engine. No. 1,212,875; Jan. 16; v. 234; p. 929.
- Anderson, Andre D. (See Banks, Anderson, and Lovell.)
- Anderson, Andrew, assignor of one-half to T. M. Saunders, Bigfork, Minn. Change-speed mechanism. No. 1,228,087; May 29; v. 238; p. 1514.
- Anderson, Andrew E., Brownsville, Tex. Elevated drafting-rule. No. 1,213,813; Jan. 30; v. 234; p. 1317.
- Anderson, Andrew E., Brownsville, Tex. Tape-measure. No. 1,248,435; Dec. 4; v. 245; p. 3.
- Anderson, Andrew J. and G. W., Galesburg, Ill. Can-opener. No. 1,249,586; Dec. 11; v. 245; p. 364.
- Anderson, Andrew N., Larson, N. D. Mower attachment. No. 1,212,167; Jan. 16; v. 234; p. 677.
- Anderson, Andrew R., North Arlington, N. J. Shoe-last. No. 1,236,035; Aug. 7; v. 241; p. 166.
- Anderson, Andrew S., assignor of one-half to R. L. Smith, Oakland, Cal. Vehicle-tire jacket. No. 1,228,355; May 29; v. 238; p. 1601.
- Anderson, Andy, assignor of forty-nine one-hundredths to G. Ellwanger, Hobart, Okla. Attachment for grain-binders. No. 1,231,690; July 3; v. 240; p. 52.
- Anderson, Arthur, Oakland, Cal. Curtain-stretcher. No. 1,233,636; July 17; v. 240; p. 762.
- Anderson, August. (See Toussaint, Puffer, and Anderson.)
- Anderson, August, Chicago, Ill., assignor to American Car and Foundry Company, St. Louis, Mo. Door-lock for dump-cars. No. 1,244,684; Oct. 30; v. 243; p. 1145.
- Anderson, Austin E., East Randolph, N. Y. Milking apparatus. No. 1,226,842; May 22; v. 238; p. 1064.
- Anderson, Austin E., Randolph, N. Y. Teat-cup for milking-machines. No. 1,238,476; Aug. 28; v. 241; p. 1051.
- Anderson, Axel, Clifton, N. J. Shearing implement. No. 1,218,157; Mar. 6; v. 236; p. 94.
- Anderson, Axel, Stave Falls, British Columbia, Canada. Crate. No. 1,211,656; Jan. 9; v. 234; p. 471.
- Anderson, Axel, St. Paul, assignor to Russell Grader Manufacturing Co., Minneapolis, Minn. Grading-machine. No. 1,248,985; Dec. 4; v. 245; p. 162.
- Anderson-Barngrover Mfg. Co. (See Baker, John S., assignor.)
- Anderson-Barngrover Mfg. Co. (See Shippee, Henry C., assignor.)
- Anderson-Barngrover Mfg. Co. (See Thompson, Albert R., assignor.)
- Anderson, Brooke, Chicago, Ill. Fence-post. No. 1,234,113; July 24; v. 240; p. 948.
- Anderson, Bror A. (See Ostman and Anderson.)
- Anderson Button Attaching Machine Company. (See Poole, Lora E., assignor.)
- Anderson, C. K. (See Henry, Charles A., assignor.) (Re-issue.)
- Anderson Candy Company, The. (See Torre, Domenico D., assignor.)
- Anderson, Carl. (See Lawson, Oscar L., assignor.)
- Anderson, Carl E., Sioux City, Ia. Clothes-line. No. 1,220,713; Mar. 27; v. 236; p. 1088.
- Anderson, Carl E., assignor to C. H. Foster, Chicago, Ill. Lamp-bracket. No. 1,216,764; Feb. 20; v. 235; p. 891.
- Anderson, Carl E., Austin, assignor to J. Rousso, Chicago, Ill. Towel-serving apparatus. No. 1,225,390; May 8; v. 238; p. 495.
- Anderson, Carl E., assignor to The Bryant Electric Company, Bridgeport, Conn. Cover-plate for flush receptacles. No. 1,230,643; June 19; v. 239; p. 846.
- Anderson, Carl E., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. No. 1,236,133; Aug. 7; v. 241; p. 194.
- Anderson, Carl G., assignor of one-half to J. Norgord, Duluth, Minn. Combination-faucet. No. 1,230,978; June 26; v. 239; p. 996.
- Anderson, Carl J., Sanborn, N. D. Harrow. No. 1,225,204; May 8; v. 238; p. 430.
- Anderson, Carl J., assignor of one-half to J. G. Sandvall, Muskegon, Mich. Tempering compound. No. 1,215,759; Feb. 13; v. 235; p. 483.
- Anderson, Carl M., Havana, N. D. Door-lock. No. 1,216,765; Feb. 20; v. 235; p. 892.
- Anderson, Carl O., Lancaster, Pa. Teat-cup for milking-machines. No. 1,213,814; Jan. 30; v. 234; p. 1317.
- Anderson, Carl O., Lancaster, Pa. Teat-cup. No. 1,236,036; Aug. 7; v. 241; p. 166.
- Anderson, Charles A. (See Watson and Anderson.)
- Anderson, Charles A., Chicago, Ill. Engine or pump construction. No. 1,244,160; Oct. 23; v. 243; p. 948.
- Anderson, Charles C., Fargo, N. D. Automobile hood and radiator cover. No. 1,218,039; Mar. 6; v. 236; p. 53.
- Anderson, Charles E. (See Luke, Russell, Kennedy, and Anderson.)
- Anderson, Charles E., assignor to Henion & Hubbell, Incorporated, Chicago, Ill. Heating-system regulator. No. 1,243,475; Oct. 16; v. 243; p. 704.
- Anderson, Charles H., Cincinnati, Ohio. Side frame for car-windows. No. 1,228,161; May 29; v. 238; p. 1537.
- Anderson, Charles H., Cincinnati, Ohio. Folding seat for center-door cars. No. 1,244,823; Oct. 36; v. 243; p. 1188.
- Anderson, Charles H., Cincinnati, Ohio. Floor construction for passenger-cars. No. 1,244,824; Oct. 30; v. 243; p. 1188.
- Anderson, Charles H., Cincinnati, Ohio. Window construction. No. 1,244,825; Oct. 30; v. 243; p. 1188.
- Anderson, Charles H., Cincinnati, Ohio. Underframe for cars. No. 1,244,826; Oct. 30; v. 243; p. 1189.
- Anderson, Charles H., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich. Drawer-stop. No. 1,214,495; Feb. 6; v. 235; p. 3.
- Anderson, Chris, Pickert, N. D. Flour-sifter. No. 1,221,816; Apr. 10; v. 237; p. 315.
- Anderson, Clarence A., Chicago, Ill. Calling mechanism for party-line exchanges. No. 1,248,782; Dec. 4; v. 245; p. 105.
- Anderson, Clarence E., Pecatonica, Ill. Explosive-engine-controlling mechanism. No. 1,223,844; Apr. 24; v. 237; p. 1098.
- Anderson, David W., assignor to Universal Bath Equipment Corporation, Richmond, Va. Combined folding bath-tub and shower-stall or shower-bath. No. 1,235,091; July 31; v. 240; p. 1293.
- Anderson, Evald, assignor to International Precipitation Company, Los Angeles, Cal. Increasing the solubility of potash in cement-kiln dust. No. 1,249,708; Dec. 11; v. 245; p. 401.
- Anderson, Edward. (See Johnson and Anderson.)
- Anderson, Edward L., Attleboro, Mass. Snap-fastening. No. 1,211,810; Jan. 9; v. 234; p. 526.
- Anderson, Edward V., Monessen, assignor of one-half to C. E. Golden, Crafton, Pa. Automatic control for gate-valves. No. 1,235,540; Aug. 7; v. 241; p. 3.
- Anderson, Edward V., Monessen, assignor of one-half to C. E. Golden, Crafton, Pa. Reducing-valve. No. 1,235,541; Aug. 7; v. 241; p. 3.
- Anderson, Edwin P., Dalbo, Minn. Wire-stretcher. No. 1,231,552; July 3; v. 240; p. 4.
- Anderson Electric Specialty Co. (See Anderson, Ernst G. K., assignor.)
- Anderson, Elias B., Forrester, Ill. Knife-sharpener. No. 1,223,753; Apr. 24; v. 237; p. 1066.
- Anderson, Elmer, Palmyra township, Renville county, Minn. Fork. No. 1,213,446; Jan. 23; v. 234; p. 1162.
- Anderson, Emil, New York, N. Y., assignor to The Universal Turbine Company, Jersey City, N. J. Turbine-engine. No. 1,221,500; Apr. 3; v. 237; p. 176.
- Anderson, Emil, New York, N. Y., assignor to The Universal Turbine Company, Newark, N. J. Turbine. No. 1,243,476; Oct. 16; v. 243; p. 705.
- Anderson, Emil, Yonkers, N. Y., assignor to The Universal Turbine Company, Newark, N. J. Turbine. No. 1,243,477; Oct. 16; v. 243; p. 705.
- Anderson, Emil F., Chicago, Ill., assignor to International Harvester Company of New Jersey. Bag-filling mechanism. No. 1,216,257; Feb. 20; v. 235; p. 715.
- Anderson, Emil F., Chicago, Ill., assignor to International Harvester Company of New Jersey. Stripper-harvester. No. 1,219,211; Mar. 13; v. 236; p. 497.
- Anderson, Emma M., Boone, Colo. Perspective-determining instrument. No. 1,219,212; Mar. 13; v. 236; p. 497.
- Anderson, Enoch J., Worcester, Mass. Clamp. No. 1,212,123; Jan. 9; v. 234; p. 633.
- Anderson, Ernst G. K., Chicago, Ill., assignor to Benjamin Electric Manufacturing Company. Attachment-plug. No. 1,225,391; May 8; v. 238; p. 496.
- Anderson, Ernst G. K., Chicago, Ill., assignor to Benjamin Electric Manufacturing Company. Switch-containing electric-lamp socket. No. 1,238,477; Aug. 28; v. 241; p. 1052.
- Anderson, Ernst G. K., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Receptacle. No. 1,245,305; Nov. 6; v. 244; p. 49.
- Anderson, Ernst G. K., assignor to Anderson Electric Specialty Co., Chicago, Ill. Shade-holder. No. 1,245,855; Nov. 6; v. 244; p. 216.
- Anderson, Ferdinand, Detroit, Mich. Clothes-pin. No. 1,233,294; July 17; v. 240; p. 647.
- Anderson, Frank C., assignor to The American Valve and Meter Company, Cincinnati, Ohio. Automatic safety switch-lock. No. 1,234,522; July 24; v. 240; p. 1083.
- Anderson, Frank J., Great Falls, Mont. Detachable button. No. 1,219,902; Mar. 20; v. 236; p. 768.
- Anderson, Frank J., Box Elder, Mont. Clasp-fastener. No. 1,221,011; Apr. 3; v. 237; p. 3.
- Anderson, Frederick A., Portage la Prairie, Manitoba, Canada. Telegraph circuit-closing and signaling system. No. 1,251,320; Dec. 25; v. 245; p. 966.
- Anderson, George A., Dixon, Ill. Tamping device. No. 1,218,615; Mar. 13; v. 236; p. 289.
- Anderson, George A., Ancortres, and T. H. Maurseth, Seattle, Wash. Intermittent-gripping device. No. 1,235,633; Aug. 7; v. 241; p. 34.
- Anderson, George H., Battle Creek, Mich. Centrifugal pump. No. 1,238,731; Sept. 4; v. 242; p. 3.

Alphabetical list of patentees—Continued.

- Anderson, George W., Jacksonville, assignor to H. G. Anderson, Carbur, Fla. Combined chair and ironing-table. No. 1,250,755; Dec. 18; v. 245; p. 748.
- Anderson, Gus W. (See Anderson, Andrew J. and G. W.)
- Anderson, Gustaf M., Chicago, Ill. Automobile-locking means. No. 1,250,123; Dec. 18; v. 245; p. 559.
- Anderson, Gustav. (See Twigg and Anderson.)
- Anderson, Gustav, and H. P. Hofstrand, St. Louis Park, Minn. Gathering and loading machine. No. 1,217,131; Feb. 27; v. 235; p. 1061.
- Anderson, Gustav A., Crosby, Minn. Rotary shovel. No. 1,245,656; Nov. 6; v. 244; p. 157.
- Anderson, Gustave F. E., Buffalo, N. Y. Clothes-pin. No. 1,237,856; Aug. 21; v. 241; p. 817.
- Anderson, Hans J., Lakemills, Wis. End-gate fastener. No. 1,227,231; May 22; v. 238; p. 1198.
- Anderson, Harold N., Cleveland, Ohio. Making gears. No. 1,240,919; Sept. 25; v. 242; p. 793.
- Anderson, Harold N., Dayton, assignor to The Anderson Rolled Gear Company, Cleveland, Ohio. Gear-forming machine. No. 1,240,913; Sept. 25; v. 242; p. 791.
- Anderson, Harold N., assignor to The Anderson Rolled Gear Company, Cleveland, Ohio. Gear-rolling machine. No. 1,240,914; Sept. 25; v. 242; p. 791.
- Anderson, Harold N., assignor to The Anderson Rolled Gear Company, Cleveland, Ohio. Gear-rolling machine. No. 1,240,915; Sept. 25; v. 242; p. 791.
- Anderson, Harold N., assignor to The Anderson Rolled Gear Company, Cleveland, Ohio. Gear-rolling machine. No. 1,240,916; Sept. 25; v. 242; p. 792.
- Anderson, Harold N., assignor to The Anderson Rolled Gear Company, Cleveland, Ohio. Gear-rolling machine. No. 1,240,917; Sept. 25; v. 242; p. 792.
- Anderson, Harold N., assignor to The Anderson Rolled Gear Company, Cleveland, Ohio. Gear-rolling machine. No. 1,240,918; Sept. 25; v. 242; p. 793.
- Anderson, Harry F., Marion, Ind. Sign character. No. 1,230,644; June 19; v. 239; p. 846.
- Anderson, Harry F., Marion, Ind. Glass sign character. No. 1,249,880; Dec. 11; v. 245; p. 452.
- Anderson, Harry G. (See Anderson, George W., assignor.)
- Anderson, Harry T., Butler, assignor to Standard Steel Car Co., Pittsburgh, Pa. Side-dump car. No. 1,237,445; Aug. 21; v. 241; p. 687.
- Anderson, Hattie A., administratrix. (See Anderson, Albert S.)
- Anderson, Henry J., and H. Van Wie, San Francisco, Cal. Motor-cycle support. No. 1,215,606; Feb. 13; v. 235; p. 431.
- Anderson, Hiram C., New York, N. Y. Resilient wheel. No. 1,239,333; Sept. 4; v. 242; p. 196.
- Anderson, Holton A., *et al.* (See Kittredge, Harold S., assignor.)
- Anderson, Isaac, Madrid, Iowa. Silo-tamper. No. 1,214,872; Feb. 6; v. 235; p. 135.
- Anderson, James, Jr., Omaha, Nebr. Direction-signal for motor-vehicles. No. 1,246,375; Nov. 13; v. 244; p. 400.
- Anderson, James A., Barren Island, N. Y. Tank for treating garbage. No. 1,214,113; Jan. 30; v. 234; p. 1420.
- Anderson, James A., New York, N. Y. Vessel mooring and positioning apparatus. No. 1,221,012; Apr. 3; v. 237; p. 3.
- Anderson, James A., New York, N. Y. Endless-apron compressor and disintegrator. No. 1,224,993; May 8; v. 238; p. 360.
- Anderson, James A., New York, N. Y. Apparatus for treating garbage. No. 1,227,232; May 22; v. 238; p. 1198.
- Anderson, James B., Shickshinny, Pa. Mine-pulley. No. 1,218,505; Mar. 6; v. 236; p. 213.
- Anderson, James D., Jeddo, Ala. Machine for pulling cotton-stalks. No. 1,223,231; Apr. 17; v. 237; p. 849.
- Anderson, Jeremiah C., Woonsocket, S. D. Speed-indicator. No. 1,233,011; July 10; v. 240; p. 520.
- Anderson, Jerry A., Oak Park, Ill. Line knotter and tightener. No. 1,237,599; Aug. 21; v. 241; p. 736.
- Anderson, Johan F., Poplar Grove, Ill. Combination table and chair. No. 1,237,600; Aug. 21; v. 241; p. 736.
- Anderson, John, Bluefield, W. Va., assignor of one-half to J. W. Auren, East Liberty, Pittsburgh, Pa. Spring-wheel. No. 1,240,805; Sept. 25; v. 242; p. 755.
- Anderson, John A., Bridgeport, Conn. Adjustable head-wrench. No. 1,242,097; Oct. 2; v. 243; p. 199.
- Anderson, John A., assignor of one-half to O. Morton, Bridgeport, Conn. Coffer-pin extractor. No. 1,222,173; Apr. 10; v. 237; p. 441.
- Anderson, John C. A., Chicago, Ill. Movable loading-platform. No. 1,247,781; Nov. 27; v. 244; p. 879.
- Anderson, John E., assignor of one-half to W. P. Seng, Chicago, Ill. Lubricator for vehicle-springs. No. 1,224,256; May 1; v. 238; p. 51.
- Anderson, John E., assignor of one-half to W. P. Seng, Chicago, Ill. Lubricator for vehicle-springs. No. 1,224,257; May 1; v. 238; p. 51.
- Anderson, John F., Seattle, Wash. Adding and subtracting machine. No. 1,248,986; Dec. 4; v. 245; p. 162.
- Anderson, John H., Havana, N. D. Elevating-truck. No. 1,228,162; May 29; v. 238; p. 1537.
- Anderson, John H., Havana, N. D. Sanitary pin-holder. No. 1,248,987; Dec. 4; v. 245; p. 162.
- Anderson, John L. (See Lynch and Anderson.)
- Anderson, John R., Moline, Ill. Portable steam-generator. No. 1,228,867; June 5; v. 239; p. 168.
- Anderson, John R., Moline, Ill. Ladder-jack. No. 1,228,868; June 5; v. 239; p. 169.
- Anderson, John R., Moline, Ill. Pressing-board and holder. No. 1,228,869; June 5; v. 239; p. 169.
- Anderson, John R., assignor to Deere & Mansur Company, Moline, Ill. Variable-drop mechanism. No. 1,215,607; Feb. 13; v. 235; p. 431.
- Anderson, John W. (See Davison and Anderson.)
- Anderson, Joseph. (See Staves and Anderson.)
- Anderson, Karl G., Minneapolis, Minn. Convertible automobile-body. No. 1,236,388; Aug. 14; v. 241; p. 307.
- Anderson, Leonard. (See Anderson, Sigurd and L.)
- Anderson, Leslie D., Midvale, Utah, assignor to United States Smelting, Refining & Mining Company. Furnace-charging system. No. 1,234,998; July 31; v. 240; p. 1265.
- Anderson, Levi A., Rock Falls, Iowa. Corn-drier. No. 1,220,309; Mar. 27; v. 236; p. 949.
- Anderson, Lewis M., Atlanta, Ga. Producing motion-pictures. No. 1,250,412; Dec. 18; v. 245; p. 647.
- Anderson, Lycurgus, Lake Creek, Tex. Grading apparatus. No. 1,221,501; Apr. 3; v. 237; p. 176.
- Anderson, Lycurgus, Lake Creek, Tex. Vehicle-wheel. No. 1,233,161; July 10; v. 240; p. 569.
- Anderson, Marcus T., St. Paul, Minn. Adjustable shade-bracket and curtain-support. No. 1,228,514; June 5; v. 239; p. 48.
- Anderson, Martin L. (See Lynham, William C., assignor.)
- Anderson, Neal L., Winston-Salem, N. C. Type-writer carriage-return mechanism. No. 1,226,296; May 15; v. 238; p. 848.
- Anderson, Neils B., Pocatello, Idaho. Ticket and coin holder. No. 1,236,247; Aug. 7; v. 241; p. 231.
- Anderson, Nels A., Warren, assignor to The Harris Automatic Press Company, Niles, Ohio. Buckling device. No. 1,225,740; May 15; v. 238; p. 655.
- Anderson, Nils H., Middletown, assignor of one-half to W. A. Lorenz, Hartford, Conn. Sound and shock absorbing foot. No. 1,214,256; Jan. 30; v. 234; p. 1468.
- Anderson, Nils H., Middletown, assignor of one-half to W. A. Lorenz, Hartford, Conn. Type-writer platen. No. 1,235,753; Aug. 7; v. 241; p. 73.
- Anderson, Nils H., Middletown, assignor of one-half to W. A. Lorenz, Hartford, Conn. Type-writer platen. No. 1,235,754; Aug. 7; v. 241; p. 73.
- Anderson, Nils H., assignor, by mesne assignments, to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,219,213; Mar. 13; v. 236; p. 498.
- Anderson, Nils H., assignor to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,236,650; Aug. 14; v. 241; p. 393.
- Anderson, Nils H., East Hampton, assignor of one-half to W. A. Lorenz, Hartford, Conn. Type-writer platen. No. 1,235,755; Aug. 7; v. 241; p. 73.
- Anderson, Nils H., East Hampton, assignor of one-half to W. A. Lorenz, Hartford, Conn. Noiseless type-writer platen. No. 1,235,756; Aug. 7; v. 241; p. 73.
- Anderson, Nils H., East Hampton, assignor to The Noiseless Typewriter Company, Middletown, Conn. Inter-mittent grip device. No. 1,242,119; Oct. 9; v. 243; p. 247.
- Anderson, Nils H., Bridgeport, assignor of one-half to W. A. Lorenz, Hartford, Conn. Paper control for type-writing machines. No. 1,244,011; Oct. 23; v. 243; p. 905.
- Anderson, Nils H., Bridgeport, assignor of one-half to W. A. Lorenz, Hartford, Conn. Noiseless buffer for type-writer escapements. No. 1,250,756; Dec. 18; v. 245; p. 749.
- Anderson, Ohmer E., Fort Wayne, Ind. Power mechanism. No. 1,235,952; Aug. 7; v. 241; p. 139.
- Anderson, Ola A., Grand Rapids, Mich. Bench-block. No. 1,236,134; Aug. 7; v. 241; p. 194.
- Anderson, Olef A. (See Schefstrom and Anderson.)
- Anderson, Olef A., Macomb, Ill. Ice-creeper. No. 1,219,688; Mar. 20; v. 236; p. 693.
- Anderson, Oscar B. (See Hood, Anderson, Feters, McGlinchey, Gagnon, and Kidder.)
- Anderson, Oscar T., Waterloo, Iowa. Tool-holder. No. 1,226,047; May 15; v. 238; p. 760.
- Anderson, Otto V., Loxley, Ala. Door and window screen. No. 1,227,754; May 29; v. 238; p. 1393.
- Anderson, Pehr M., Chicago, Ill. Meat-slicing machine. No. 1,227,233; May 22; v. 238; p. 1199.
- Anderson, Per A., New York, N. Y. Shock-absorber. No. 1,213,139; Jan. 23; v. 234; p. 1053.
- Anderson, Per G., assignor to Bathrick & Palmer Machine Co. Incorporated, Elkhart, Ind. Wheel. No. 1,240,003; Sept. 11; v. 242; p. 437.
- Anderson, Peter W., and J. T. Kennelly, Rawlins, Wyo. Detachable tire. No. 1,216,916; Feb. 20; v. 235; p. 942.
- Anderson, Robert D. H., assignor to Frank Ridlon Company, Boston, Mass. Electric-light stand. No. 1,222,915; Apr. 17; v. 237; p. 741.
- Anderson, Robert H., San Diego, Cal. Mattress-clamp. No. 1,231,469; June 26; v. 239; p. 1160.
- Anderson, Rolled Gear Company, The. (See Anderson, Harold N., assignor.)

- Anderson Rolled Gear Company, The. (See Weaver, Robert B., assignor.)
- Anderson, Samuel, Pawtucket, assignor to The Williams & Anderson Co., Providence, R. I. Snap-fastener. No. 1,241,806; Oct. 2; v. 243; p. 107.
- Anderson, Samuel A., Jr., Louisville, Ky. Electric saw. No. 1,221,267; Apr. 3; v. 237; p. 94.
- Anderson, Sarah, Ridgewood, N. J. Holder. No. 1,215,608; Feb. 13; v. 235; p. 432.
- Anderson, Sigurd and L., Leavenworth, Kans. Envelop-sealing machine. No. 1,247,486; Nov. 20; v. 244; p. 758.
- Anderson, Swan G., Virginia, Minn. Window-screen frame. No. 1,220,163; Mar. 27; v. 236; p. 897.
- Anderson, Thomas G., Lancaster, and H. A. McCoy, Hamilton, Ontario, Canada. Locking device for center-controlled levers for shift-gears for automobiles. No. 1,247,202; Nov. 20; v. 244; p. 678.
- Anderson, Thomas R., Oklahoma, Okla. Concrete-arch form. No. 1,223,926; Apr. 24; v. 237; p. 1126.
- Anderson, Tom M., Mayer, Ariz. Refrigerator. No. 1,232,474; July 10; v. 240; p. 346.
- Anderson, Torval J., Rockdale, Wis. Combined accelerator and foot-rest. No. 1,248,592; Dec. 4; v. 245; p. 50.
- Anderson, Vernhard C. J., Chicago, Ill. Carbureter. No. 1,239,442; Sept. 11; v. 242; p. 259.
- Anderson, Vincent G., Thief River Falls, Minn., assignor to F. C. Austin, Chicago, Ill. Propelling apparatus. No. 1,242,635; Oct. 9; v. 243; p. 412.
- Anderson, Walter J., Galveston, Tex. Touch-system hand-rest. No. 1,247,065; Nov. 20; v. 244; p. 638.
- Anderson, William, Harrisburg, Pa. Shock-absorber for vehicles. No. 1,211,272; Jan. 2; v. 234; p. 309.
- Anderson, William B., assignor to Haggard and Marcusson Company, Chicago, Ill. Spring bed-bottom. No. 1,211,522; Jan. 9; v. 234; p. 425.
- Anderson, William F. (See Scott, Granville E., assignor.)
- Anderson, William F., Colorado Springs, Colo. Machine for re boring engine-cylinders. No. 1,238,478; Aug. 28; v. 241; p. 1052.
- Anderson, William G., Belfast, Ireland. Toy. No. 1,236,896; Aug. 14; v. 241; p. 472.
- Anderson, William L., Cincinnati, Ohio. Comb. No. 1,233,956; July 17; v. 240; p. 864.
- Anderson, William T., Atlantic, Iowa. Siphon. No. 1,211,523; Jan. 9; v. 234; p. 426.
- Anderson, Wm. E., *et al.* (See Feltz, Charles F., assignor.)
- Andersson, Gustaf, assignor to Nya Aktiebolaget Atlas, Stockholm, Sweden. Rock-drilling engine. No. 1,227,564; May 29; v. 238; p. 1336.
- Andersson, Gustaf L. (See Peterson and Andersson.)
- Andersson, Ivan, Hempstead, N. Y. Airship. No. 1,250,124; Dec. 18; v. 245; p. 560.
- Andersson, Oscar B., Elizabeth, N. J., assignor to Eagle Pencil Company, New York, N. Y. Fountain-pen. No. 1,213,725; Jan. 23; v. 234; p. 1257.
- Anderswert, Eugen. (See Wuth, Mayer, Jagerspacher, and Anderswert.)
- Anderswert, Eugen, and H. Schobel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Wool disazo dyestuffs and making same. No. 1,233,742; July 17; v. 240; p. 794.
- Anderswert, Eugen, H. Fritzsche, and H. Schobel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Substantive orthooxazo dyestuffs and making same. No. 1,210,751; Jan. 2; v. 234; p. 128.
- Ando, Nasaju. (See Jikihara, Toshihei, assignor.)
- Andrade, Cipriano, Jr., New York, N. Y. Windlass. No. 1,229,858; June 12; v. 239; p. 549.
- Andreas, George H., New York, N. Y. Sash-lock. No. 1,236,037; Aug. 7; v. 241; p. 167.
- Andreas, H. M. (See North, George W., assignor.)
- Andreate, Joseph, Oakdale, Cal. Pay-as-you-enter gate or turnstile. No. 1,221,268; Apr. 3; v. 237; p. 95.
- Andrée, William E., Chicago, Ill., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Garment-press. No. 1,211,034; Jan. 2; v. 234; p. 228.
- Andren, Fritz L., Chicago, Ill. Sofa-bed. No. 1,237,740; Aug. 21; v. 241; p. 782.
- Andres, Edgar F., Milwaukee, Wis. Self sealing and addressing bill-head. No. 1,244,161; Oct. 23; v. 243; p. 949.
- Andres, Edward. (See Andres, Nicholas and E.)
- Andres, Nicholas and E., Denver, Colo. Powder-dispensing device. No. 1,229,396; June 12; v. 239; p. 394.
- Andresen, Julius C. (See Marten, Grahn, and Andresen.)
- Andrew J. Lloyd Company. (See Collinson, John W., assignor.)
- Andrew, James T., Montgomery, Ala. Boll-weevil destroyer. No. 1,216,917; Feb. 20; v. 235; p. 942.
- Andrew, John, Concord, N. H. Filter. No. 1,213,140; Jan. 23; v. 234; p. 1054.
- Andrews, Agnes M., Philadelphia, Pa. Embroidery device. No. 1,248,783; Dec. 4; v. 245; p. 105.
- Andrews, Al, Moorcroft, assignor of one-third to F. C. Hunter, one-third to M. B. Camplin, and one-third to O. Nelson, Sheridan, Wyo. Water-elevator. No. 1,221,269; Apr. 3; v. 237; p. 95.
- Andrews, Bernard R., Newton, Mass. Apparatus for conditioning air or other gas. No. 1,214,114; Jan. 30; v. 234; p. 1420.
- Andrews, C. E., *et al.* (See Newsom, Joseph N., assignor.)
- Andrews Caoutchouc Paving Brick Company. (See Andrews, Marcus P., assignor.)
- Andrews, Charles B., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., Dipper-tooth. No. 1,234,114; July 24; v. 240; p. 948.
- Andrews, Clarence S., Council Bluffs, Iowa. Hog-oiler. No. 1,243,127; Oct. 16; v. 243; p. 601.
- Andrews, Edwin N., Fort Dodge, Iowa. Edge-snipping mechanism. No. 1,237,990; Aug. 21; v. 241; p. 860.
- Andrews, Edwin N., Pontiac, Ill. Heel-expansion shoe-last. No. 1,237,991; Aug. 21; v. 241; p. 860.
- Andrews, Fay M., Columbus, Ohio. Electric sealing-wax-applying device. No. 1,219,903; Mar. 20; v. 236; p. 768.
- Andrews, Frederick A., and T. G. Allen, Westminster, London, England. Illuminating appliance. No. 1,230,645; June 19; v. 239; p. 846.
- Andrews, George C., Minneapolis, Minn. Traction-engine. No. 1,238,732; Sept. 4; v. 242; p. 4.
- Andrews, George D. (See Phillips, Frank H., assignor.)
- Andrews, George R. (See Paterson, William S. and M. H., assignors.)
- Andrews, George W. (See Rigby and Andrews.)
- Andrews, Herbert B., assignor to The H. B. Sherman Manufacturing Company, Battle Creek, Mich. Making terminals, and terminals. (Reissue.) No. 14,401; Dec. 4; v. 245; p. 252.
- Andrews, Herbert B., W. H. Hart, and H. B. Sherman, assignors to H. B. Sherman Manufacturing Company, Battle Creek, Mich. Ground-clamp. No. 1,241,898; Oct. 2; v. 243; p. 138.
- Andrews, James H., Williamsport, Pa. Wrench. No. 1,245,169; Nov. 6; v. 244; p. 9.
- Andrews, James W., Oglesby, Tex. Amusement apparatus. No. 1,235,411; July 31; v. 240; p. 1388.
- Andrews, John S., Gary, Ind. Carbon-consumer for boilers and the like. No. 1,216,392; Feb. 20; v. 235; p. 763.
- Andrews, Joseph C., assignor to American Hardware Corporation, New Britain, Conn. Polishing-body for bur-nishing-barrels. No. 1,218,158; Mar. 6; v. 236; p. 94.
- Andrews, Marcus P., Petersburg, Va., assignor to Andrews Caoutchouc Paving Brick Company, Incorporated. Brickmaking apparatus. No. 1,242,120; Oct. 9; v. 243; p. 248.
- Andrews, Marion A., Yuma, Ariz. Pocket-billiard table. No. 1,230,059; June 12; v. 239; p. 611.
- Andrews, Olave W., Charleston, Mo. Strainer attachment for drive-well points. No. 1,245,170; Nov. 6; v. 244; p. 9.
- Andrews, Oliver B., Chattanooga, Tenn. Disinfecting-nest. No. 1,216,766; Feb. 20; v. 235; p. 892.
- Andrews, Oliver B., Chattanooga, Tenn. Disinfecting-coop. No. 1,217,677; Feb. 27; v. 235; p. 1253.
- Andrews, Robert D., Brookline, Mass. Flying apparatus. No. 1,242,412; Oct. 9; v. 243; p. 340.
- Andrews, Wallace S., Syracuse, N. Y. Water-heater for gas-stoves. No. 1,217,678; Feb. 27; v. 235; p. 1253.
- Andrews, William C., assignor to H. A. Auer, Cleveland, Ohio. Cutting-tool. No. 1,239,659; Sept. 11; v. 242; p. 327.
- Andrews, William C., and H. A. Auer, Cleveland, Ohio; said Andrews assignor to said Auer. Tool for rifling and planing gun-barrels. No. 1,239,660; Sept. 11; v. 242; p. 328.
- Andrews Wire & Iron Works. (See Dennis, Elmer L., assignor.)
- Andricopoulos, George N., Springfield, Mass. Ship-protector. No. 1,241,602; Oct. 2; v. 243; p. 44.
- Andrus, James R., Woodland, Wash. Undercutter. No. 1,221,128; Apr. 3; v. 237; p. 44.
- Andrus, Lowell D., Minneapolis, Minn. School-desk. No. 1,237,145; Aug. 14; v. 241; p. 553.
- Anelli, Pietro, Cremona, Italy. Keyboard of pianos. No. 1,224,994; May 8; v. 238; p. 360.
- Angelicola, Achilles F., New York, N. Y. Brake for vessels. No. 1,238,479; Aug. 28; v. 241; p. 1052.
- Angelillo, Patrick, Vaudreuil Station, Quebec, Canada. Automobile-fender. No. 1,240,004; Sept. 11; v. 242; p. 437.
- Angell, Fred P., Battle Creek, Mich. Valve. No. 1,223,353; Apr. 24; v. 237; p. 923.
- Angell, Richard H. (See Dillon, George H., assignor.)
- Angello, Louis, Kansas City, Mo. Repeating attachment for phonographs. No. 1,224,995; May 8; v. 238; p. 360.
- Anger, Gottlieb, McKees Rocks, Pa. Spark-plug. No. 1,246,376; Nov. 13; v. 244; p. 400.
- Angevine, Zinus C., Long Beach, Cal. Collapsible bed. No. 1,246,218; Nov. 13; v. 244; p. 351.
- Angier, Edward H., Quincy, Mass. Composite sheet. No. 1,227,520; May 22; v. 238; p. 1292.
- Angier, Edward H., Framingham, Mass. Tube. No. 1,242,903; Oct. 16; v. 243; p. 531.
- Anglada, Joseph A., Brooklyn, N. Y. Internal-combustion engine. No. 1,249,881; Dec. 11; v. 245; p. 452.
- Anglada, Joseph A., assignor, by mesne assignments, to E. M. Lowy, New York, N. Y. Internal-combustion engine. No. 1,229,568; June 12; v. 239; p. 452.

Alphabetical list of patentees—Continued.

- Anglada, Joseph A., New York, N. Y., assignor to The Rock Hill Buggy Company, Rock Hill, S. C. Convertible automobile-body. No. 1,233,957; July 17; v. 240; p. 864.
- Anglemyer, Willard A., Indianapolis, Ind. Spring-tire. No. 1,244,276; Oct. 23; v. 243; p. 985.
- Anglo-American Cotton Products Corporation. (See Landell, Herbert S., assignor.)
- Anglo-American Mill Co., The. (See Little, Lucius F., assignor.)
- Anglo-American Mill Company, The. (See Trefz, Julius J., assignor.)
- Anglo-American Textile Machinery Company. (See Leigh, Thomas E., assignor.)
- Anglo-Continental Fertilizers Syndicate Limited. (See Irwin, Thomas K., assignor.)
- Angold, Herbert E., Eltham, W. Duddell, A. H. Dykes, H. W. Handcock, Westminster, London, and C. Oliver, Chislehurst, England. Distance-operated mechanism and signal connected to electric-supply systems. No. 1,242,756; Oct. 9; v. 243; p. 450.
- Angular Drill and Machine Corporation. (See Hathaway, Charles F., assignor.)
- Angus, Arthur R., Spit Road Mosman, New South Wales, Australia. Device for preventing collisions between trains. No. 1,218,970; Mar. 13; v. 236; p. 415.
- Angus, Henry W. and A. W. Chamberlin, North Bay, Ontario, Canada. Toy building construction. No. 1,240,807; Sept. 25; v. 242; p. 756.
- Angus, Mont. Terry, Mont. Ensilage-harvesting machine. No. 1,241,325; Sept. 25; v. 242; p. 921.
- Animated Advertising Co. (See Bayers, Harry I., assignor.)
- Animated Advertising Company, The. (See Wadman, Sydney, assignor.)
- Ankeny, Calvin M., Somerset, Pa. Resilient wheel. No. 1,217,385; Feb. 27; v. 235; p. 1147.
- Anker-Holth, Severin C., Port Huron, Mich. Cream-separator. No. 1,212,168; Jan. 16; v. 234; p. 677.
- Anker, Knute O., St. Paul, Minn. Torpedo-guard for ships. No. 1,238,977; Sept. 4; v. 242; p. 83.
- Ankers, Joseph T., Charlottesville, Va. Match-box. No. 1,227,362; May 22; v. 238; p. 1239.
- Ankovitz, Louis B., Tilden, Ill. Padlock-shield. No. 1,244,404; Oct. 23; v. 243; p. 1022.
- Ankrom, John N., Sistersville, W. Va. Pulley and rope guide. No. 1,242,636; Oct. 9; v. 243; p. 412.
- Ann Arbor Machine Co. (See Langford, Theron S., assignor.)
- Ann Arbor Machine Co. (See Langford and Billings, assignors.)
- Annin, James C., Caledonia, N. Y. Headlight-tilting mechanism. No. 1,246,377; Nov. 13; v. 244; p. 400.
- Anschutz & Co. (See Otto, Wolfgang, assignor.)
- Anschütz & Co. (See Schuler, Max, assignor.)
- Anso Company. (See Bornmann, Carl, assignor.)
- Anso Company. (See Bornmann and Clark, assignors.)
- Anthes, Charlie W., Amherst, Nebr. Washing-machine. No. 1,210,395; Jan. 2; v. 234; p. 5.
- Anthony, David S., Sioux City, Iowa. Horseshoe. No. 1,212,601; Jan. 16; v. 234; p. 833.
- Anthony, Harold G., Chicago, Ill. Stool and table jack. No. 1,246,837; Nov. 20; v. 244; p. 572.
- Anthony, James T., East Orange, N. J., assignor to American Arch Company, New York, N. Y. Wooten-type locomotive-boiler. No. 1,229,382; June 12; v. 239; p. 390.
- Anthony, James T., East Orange, N. J., assignor to American Arch Company, New York, N. Y. Steam-locomotive. No. 1,229,383; June 12; v. 239; p. 390.
- Anthony, Jesse E. S., Los Angeles, Cal. Auto broom-rack. No. 1,211,998; Jan. 9; v. 234; p. 593.
- Anthony, John A., Charleston, S. C. Train-stop. No. 1,220,053; Mar. 20; v. 236; p. 820.
- Anthony, Joseph L., assignor to Weir Stove Company, Taunton, Mass. Safety device for gas-stoves. No. 1,235,634; Aug. 7; v. 241; p. 34.
- Anthony, Josephine. (See Cook, Harrison H., assignor.)
- Anthony, Marcus O., Englewood, N. J., assignor to A. Kimball Company, New York, N. Y. Eyelet-setting device. No. 1,228,735; June 5; v. 239; p. 123.
- Anthony, Marcus O., assignor to A. Kimball Co., New York, N. Y. Type-writer duplicating mechanism. No. 1,247,609; Nov. 27; v. 244; p. 825.
- Anthony, Stanley, Boston, Mass. Connector. No. 1,226,161; May 15; v. 238; p. 798.
- Anthony, Wendell P., Ridley Park, assignor to W. Simpson & Sons, Philadelphia, Pa. Tenter-chain. No. 1,242,121; Oct. 9; v. 243; p. 248.
- Anthony, William, Clyde, Ohio. Electrical measuring instrument. No. 1,223,306; Apr. 17; v. 237; p. 873.
- Anthony, William R., Memphis, Tenn. Machine for truing faced wheels or pulleys. No. 1,250,939; Dec. 25; v. 245; p. 853.
- Anticor Mfg. Company. (See Monyer and McKinney, assignors.)
- Antisell, Frank L., Perth Amboy, N. J. Apparatus for electrolytic deposition. No. 1,239,443; Sept. 11; v. 242; p. 259.
- Antisell, Frank L., Perth Amboy, N. J. Electrode used in the electrolytic process of refining metals. No. 1,250,757; Dec. 18; v. 245; p. 749.
- Antler, John, Harrison, Idaho. Eraser-holder for pencils. No. 1,248,988; Dec. 4; v. 245; p. 163.
- Antoine, Alfred D., and F. Black, assignors to Advance Machine Co., Chicago, Ill. Check-controlled machine. No. 1,210,882; Jan. 2; v. 234; p. 173.
- Antoine, Alfred D., A. E. Gebert, Chicago, and C. C. Travis, Evanston, assignors to Advance Machine Co., Chicago, Ill. Vending-machine. No. 1,239,753; Sept. 11; v. 242; p. 358.
- Antonini, Ercole. (See Corbelli and Antonini.)
- Anton Krieghoff Company. (See Krieghoff, Anton, assignor.)
- Antoni, Friedrich A., assignor to Resopan-Gesellschaft m. b. H., Cologne, Germany. Map-holding and reading apparatus. No. 1,216,393; Feb. 20; v. 235; p. 763.
- Antrim, Peter H., Orting, Wash. Rail-joint lock. No. 1,239,334; Sept. 4; v. 242; p. 196.
- Any Package Wrapping Co. (See Brown, Harry L., assignor.)
- Anway, Lew L., Geneva, Iowa. Runway attachment for gates. No. 1,242,757; Oct. 9; v. 243; p. 450.
- Apel, Frederick H., Athol Springs, assignor of one-half to C. W. Munschauer, Buffalo, N. Y. Spring-forked holder. No. 1,242,122; Oct. 9; v. 243; p. 249.
- Apfelbaum, Frederick A., New York, N. Y. Lantern-slide mat. No. 1,250,074; Dec. 11; v. 245; p. 506.
- Appar, Albert R., Columbia, Pa. Automatic fire-extinguisher. No. 1,215,330; Feb. 13; v. 235; p. 329.
- Aplin, Edward W. (See Hons and Aplin.)
- Apostoloff, Serge, London, England, assignor of one-half to W. Ferguson, Jr., New York, N. Y. Hollow reinforced body. No. 1,234,254; July 24; v. 240; p. 995.
- Apostolopoulos, Nicklas A., Providence, R. I. Disk-record cabinet. No. 1,224,352; May 1; v. 238; p. 86.
- App, Oliver O., New York, N. Y. Tunneling or excavating machine. No. 1,219,419; Mar. 20; v. 236; p. 599.
- Appel, Harris A., New York, and D. Duncan, Brooklyn; said D. Duncan assignor to E. O. Duncan, New York, N. Y. Apparatus for treating timbers. No. 1,220,164; Mar. 27; v. 236; p. 897.
- Appell, Martin P., near Galva, Ill. Tire-saving device for automobiles. No. 1,246,838; Nov. 20; v. 244; p. 573.
- Appelman, Samuel, and S. Bernstein, McGill, Nev. Necktie. No. 1,243,796; Oct. 23; v. 243; p. 840.
- Apple Electric Company, The. (See Apple, Vincent G., assignor.)
- Apple, Vincent G. (See Cotterman, Frederick W., assignor.)
- Apple, Vincent G. (See Sawtelle, Charles A., assignor.)
- Apple, Vincent G. (See Tomlinson, Edward J., assignor.)
- Apple, Vincent G., Dayton, Ohio. Armature construction for dynamo-electric machines. No. 1,224,518; May 1; v. 238; p. 144.
- Apple, Vincent G., Dayton, Ohio. Engine-starter. No. 1,231,982; July 3; v. 240; p. 149.
- Apple, Vincent G., Dayton, Ohio. Engine-starting apparatus. No. 1,231,983; July 3; v. 240; p. 149.
- Apple, Vincent G., Dayton, Ohio. Building commutators for armatures. No. 1,240,806; Sept. 25; v. 242; p. 756.
- Apple, Vincent G., Dayton, Ohio. Building commutators. No. 1,243,795; Oct. 23; v. 243; p. 839.
- Apple, Vincent G., assignor to The Apple Electric Company, Dayton, Ohio. System of electric distribution. No. 1,220,165; Mar. 27; v. 236; p. 898.
- Applebaugh, Eugene M., and G. M. Keller, assignors to Pennsylvania Brake Beam Company, Danville, Pa. Brake-beam. No. 1,213,996; Jan. 30; v. 234; p. 1380.
- Appleby, Cecil, et al., (See Burns, John G., assignor.)
- Appleby, William H., Chicago, Ill., assignor to The English & Mersick Co., New Haven, Conn. Latch-case. No. 1,233,295; July 17; v. 240; p. 647.
- Applegate, Earl C., and O. Smiley, Indianapolis, Ind.; said Smiley assignor by mesne assignments, of one-half to said Applegate. Electric time-switch. No. 1,250,758; Dec. 18; v. 245; p. 749.
- Appleman, William H., Olean, N. Y. Sawmill log-setting device. No. 1,241,807; Oct. 2; v. 243; p. 108.
- Appleman, William H., Olean, N. Y. Device for steering vehicles. No. 1,243,379; Oct. 16; v. 243; p. 676.
- Appleman, William H., Olean, N. Y. Sawmill log-setting device. No. 1,244,575; Oct. 30; v. 243; p. 1113.
- Appleton Electric Company. (See Ryden, Axel, assignor.)
- Appleton Machine Company. (See Saecker, Frank E., assignor.)
- Appleyard, Arthur, Beaverdale, assignor of one-half to W. J. Faux, Philadelphia, Pa. Hoist for coal-mines. No. 1,246,517; Nov. 13; v. 244; p. 442.
- Apps, Harley D., and L. S. Low, Dolph, Mich. Firearm. No. 1,214,984; Feb. 6; v. 235; p. 177.
- Apsley Rubber Company. (See Dunbar, Ernest W., assignor.)
- Apted, Frank, Geelong, Victoria, Australia. Hand appliance for detaching mud or other adhesions from footwear or like articles. No. 1,251,321; Dec. 25; v. 245; p. 966.
- Apthorpe, William H., Cambridge, England, assignor to Taylor Instrument Companies, Rochester, N. Y. Galvanometer. No. 1,219,617; Mar. 20; v. 236; p. 668.
- Araki, Tamesaburo, Fromberg, Mont. Grapple for hay-loaders. No. 1,245,657; Nov. 6; v. 244; p. 157.
- Aranyossy, Julius, New York, N. Y. Plating-machine. No. 1,218,351; Mar. 6; v. 236; p. 161.
- Arazoza, Rafael de, Habana, Cuba. Means for raising sunken vessels. No. 1,240,180; Sept. 18; v. 242; p. 528.

- Arbeits-und Lohnverrechner-Gesellschaft m. b. H. (See Zipper, Emil, assignor.)
- Arbess, Jacob and S. Brisker, Montreal, Quebec, Canada. Combination step-ladder and ironing-board. No. 1,229,698; June 12; v. 239; p. 496.
- Arbeter Felling Machine Company. (See Hayes, Thomas J., assignor.)
- Arbey, Alphonse. (See Peuch and Arbey.)
- Arbib, Alexander. (See Kaufman, Charles L., assignor.)
- Arbogast, Charles V., and G. Wesner, Pittsburgh, Pa. Mask. No. 1,218,352; Mar. 6; v. 236; p. 162.
- Arbuckle, Samuel F., Indianapolis, Ind. Electric-lighting system. No. 1,223,134; Apr. 17; v. 237; p. 817.
- Arcade Manufacturing Company. (See Tschering, Henry, assignor.)
- Arce, Manuel J., Buenos Aires, Argentina. Plow and the like. No. 1,237,446; Aug. 21; v. 241; p. 688.
- Arch, Abraham L., Harrisburg, Pa. Indicator for vehicles. No. 1,215,097; Feb. 6; v. 235; p. 216.
- Archambeau, Alfred E., Marquette, Mich. Boot. No. 1,250,940; Dec. 25; v. 245; p. 854.
- Archambeault, Arthur, Manchester, N. H. Sharpener for lawn-mowers. No. 1,238,620; Aug. 28; v. 241; p. 1097.
- Archard, Josephine D., Yonkers, N. Y. Attachment for window-screens. No. 1,242,413; Oct. 9; v. 243; p. 341.
- Archer, Charles L., Minneapolis, Minn. Pneumatic cord tire. No. 1,211,035; Jan. 2; v. 234; p. 228.
- Archer, Charles L., Minneapolis, Minn. Cord tire. No. 1,219,420; Mar. 20; v. 236; p. 600.
- Archer, Charles L., Minneapolis, Minn. Cord tire. No. 1,239,553; Sept. 11; v. 242; p. 294.
- Archer, Charles L., Minneapolis, Minn. Cord-tire. No. 1,243,576; Oct. 16; v. 243; p. 735.
- Archer, Harry W., assignor to American Graphophone Company, Bridgeport, Conn. Means for securing a sound-box to the tone-arm of talking-machines. No. 1,212,309; Jan. 16; v. 234; p. 731.
- Archer, Peter, Washington, D. C. Attachment for lathes. No. 1,246,697; Nov. 13; v. 244; p. 495.
- Archibald, Robert A., Oakland, Cal. Lymph-gland extract and making same. No. 1,216,046; Feb. 13; v. 235; p. 588.
- Arco, Georg von, and A. Meissner, assignors to Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Means for producing electrical oscillations with the aid of an auxiliary oscillation-circuit. No. 1,214,620; Feb. 6; v. 235; p. 48.
- Arco, Georg, and R. H. Rendahl, assignors to Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Means for producing electrical oscillations. No. 1,216,538; Feb. 20; v. 235; p. 814.
- Arcus, James S., Chicago, Ill. Check holding and notching device. No. 1,239,861; Sept. 11; v. 242; p. 394.
- Ard, Charles E., Birmingham, Ala. Clipper. No. 1,211,273; Jan. 2; v. 234; p. 310.
- Ard, Reid, assignor of one-half to H. R. Van Deventer, Sumter, S. C. Screw-driver. No. 1,243,667; Oct. 16; v. 243; p. 763.
- Arden, Thomas R., assignor to M. Gropper & Sons, Brooklyn, N. Y. Liquid-pistol. No. 1,238,733; Sept. 4; v. 242; p. 4.
- Arden, Thomas R., assignor to D. Heyman, Brooklyn, and L. Yankauer, New York, N. Y. Liquid-projecting apparatus. No. 1,223,655; Apr. 24; v. 237; p. 1030.
- Ardin, Lucien, New York, N. Y. Entry-sheet for articles of merchandise. No. 1,222,060; Apr. 10; v. 237; p. 400.
- Arendt, Morton, New York, N. Y. Electric generator. No. 1,237,272; Aug. 21; v. 241; p. 630.
- Arendt, Morton, assignor to H. Maimin Company, Inc., New York, N. Y. Construction of electrically-driven cloth-cutting machines. No. 1,221,409; Apr. 3; v. 237; p. 144.
- Arents, Harold D., New Haven, Conn. Stencil. No. 1,228,163; May 29; v. 238; p. 1538.
- Arese, Mario, Turin, Italy. Electrical piano. No. 1,219,063; Mar. 13; v. 236; p. 447.
- Arey, Fred C., Oak Park, assignor to Northwestern Expanded Metal Company, Chicago, Ill. Machine for slitting sheet-metal strips. No. 1,211,362; Jan. 2; v. 234; p. 336.
- Arey, Samuel E., Fellows, Cal. Sucker-rod hanger. No. 1,242,305; Oct. 9; v. 243; p. 306.
- Arey, Samuel E., and J. J. Hern, Fellows, Cal. Elevator. No. 1,211,999; Jan. 9; v. 234; p. 593.
- Aristrom, Oscar G. (See Runquist, Carl, assignor.)
- Argo, Horace E., Oak Park, Ill. Grease-cup. No. 1,229,012; June 5; v. 239; p. 215.
- Argo, Lisle T., Los Angeles, assignor to Curtis Olive Corporation, Bloomington, Cal. Pitter. No. 1,228,279; May 29; v. 238; p. 1574.
- Argylls Limited, The, et al. (See McCollum, James H. K., assignor.)
- Ariani, Adriano, New York, N. Y. Sostenuto mechanism for pianos. No. 1,224,437; May 1; v. 238; p. 117.
- Aridor Company, The. (See Moyer, Paul S., assignor.)
- Ariens, Henry, assignor to Brillion Iron Works, Brillion, Wis. Hoisting device. No. 1,249,297; Dec. 11; v. 245; p. 283.
- Arkin, Louis, Boston, Mass. Fastener. No. 1,225,741; May 15; v. 238; p. 655.
- Arkin, Louis, and S. Adelman, Boston, Mass. Motion-picture apparatus. No. 1,225,392; May 8; v. 238; p. 496.
- Arledge, Thomas J., Irvine, Ky. Self-locking switch-lever. No. 1,219,214; Mar. 13; v. 236; p. 498.
- Armbrust, Charles W., Chicago, Ill., assignor, by mesne assignments, to The American Brake-Shoe & Foundry Company, Wilmington, Del. Brake-shoe. No. 1,210,582; Jan. 2; v. 234; p. 71.
- Armbrust, Charles W., Chicago, Ill., assignor, by mesne assignments, to The American Brake-Shoe & Foundry Company, Wilmington, Del. Brake-shoe. No. 1,214,873; Feb. 6; v. 235; p. 135.
- Armbrust, Charles W., Chicago, Ill., assignor, by mesne assignments, to The American Brake-Shoe & Foundry Company, Wilmington, Del. Brake-shoe. No. 1,214,874; Feb. 6; v. 235; p. 136.
- Armbrust, Charles W., Chicago, Ill., assignor, by mesne assignments, to The American Brake Shoe & Foundry Company, Wilmington, Del. Brake-shoe. No. 1,231,691; July 3; v. 240; p. 52.
- Armbrust, Charles W., Chicago, Ill., assignor, by mesne assignments, to The American Brake Shoe & Foundry Company, Wilmington, Del. Brake-shoe. No. 1,239,444; Sept. 11; v. 242; p. 260.
- Armbrust, Charles W., Chicago, Ill., assignor, by mesne assignments, to The American Brake Shoe & Foundry Company, Wilmington, Del. Brake-shoe. No. 1,239,445; Sept. 11; v. 242; p. 260.
- Armbrust, Charles W., Chicago, Ill., assignor, by mesne assignments, to The American Brake Shoe & Foundry Company, Wilmington, Del. Brake-shoe. No. 1,239,446; Sept. 11; v. 242; p. 260.
- Armbrust, Charles W., Chicago, Ill., assignor, by mesne assignments, to The American Brake Shoe & Foundry Company, Wilmington, Del. Brake-shoe. No. 1,239,447; Sept. 11; v. 242; p. 261.
- Armbrust, Charles W., Chicago, Ill., assignor, by mesne assignments, to The American Brake Shoe & Foundry Company, Wilmington, Del. Brake-shoe. No. 1,239,448; Sept. 11; v. 242; p. 261.
- Armbruster, Louis, East Auburn, Cal. Mole-trap. No. 1,216,918; Feb. 20; v. 235; p. 943.
- Armitage, Joseph B., assignor to Narragansett Machine Company, Pawtucket, R. I. Automatic indicator for lockers. No. 1,212,876; Jan. 16; v. 234; p. 930.
- Armitage, Le Roy, East Orange, N. J. Automatic stop for talking-machines. No. 1,239,335; Sept. 4; v. 242; p. 196.
- Armor, James C., Brooklyn, N. Y. Means for producing high-frequency oscillatory currents. No. 1,216,647; Feb. 20; v. 235; p. 852.
- Armor, James C., Ingram, Pa. Producing high-frequency oscillatory currents. No. 1,216,646; Feb. 20; v. 235; p. 851.
- Armor, James C., Brooklyn, N. Y. assignor to General Electric Company. System of space signaling. No. 1,219,215; Mar. 13; v. 236; p. 498.
- Armor, James C., Ingram, Pa., assignor to General Electric Company. System of space signaling. No. 1,219,216; Mar. 13; v. 236; p. 499.
- Armor, James C., Ingram, Pa., assignor to Westinghouse Electric & Manufacturing Company. High-potential measuring device. No. 1,229,699; June 12; v. 239; p. 496.
- Armor, Robert R., Los Angeles, Cal. Hot-air furnace. No. 1,217,551; Feb. 27; v. 235; p. 1208.
- Armored Motor Car Corporation. (See Allen, John H., assignor.)
- Armour Fertilizer Works. (See Hershman, Paul R., assignor.)
- Armour Fertilizer Works. (See Meyers, Herbert H., assignor.)
- Armspear Manufacturing Company. (See Spear, Furman D., assignor.)
- Armstrong, Alton A., Watertown, S. D., and G. M. Rives, Leavenworth, Kans. Railway signaling system. No. 1,236,897; Aug. 14; v. 241; p. 473.
- Armstrong, Andrew, Marietta, Ga. Concrete fence-post. No. 1,234,601; July 24; v. 240; p. 1107.
- Armstrong, Arthur H., New York, N. Y. Egg-carrier. No. 1,239,661; Sept. 11; v. 242; p. 328.
- Armstrong-Blum Manufacturing Company. (See Blum, George J., assignor.)
- Armstrong Brothers Tool Co. (See Armstrong, Paul, assignor.)
- Armstrong Brothers Tool Company. (See Armstrong, James, assignor.)
- Armstrong, Charles C., Marysville, Ohio. Electrical connector. No. 1,242,637; Oct. 9; v. 243; p. 412.
- Armstrong, Clyde D., Chicago, Ill. Vacuum siphon-pump. No. 1,232,883; July 10; v. 240; p. 480.
- Armstrong, Cedellas, Hobart, Okla. Steam-separator. No. 1,248,054; Nov. 27; v. 244; p. 953.
- Armstrong, Denson H., Grand Rapids, Mich. Projectile and making the same. No. 1,240,293; Sept. 18; v. 242; p. 565.
- Armstrong, Edward P., Portland, Oreg. Rocker-frame for grinding-wheels and the like. No. 1,227,556; May 22; v. 238; p. 1303.
- Armstrong, Edwin J., and H. Rommerdale, assignors to Ball Engine Company, Erie, Pa. Power-shovel. No. 1,239,554; Sept. 11; v. 242; p. 294.
- Armstrong, Edwin R., Evanston, Ill., assignor to Auto Power Company, Omaha, Nebr. Power-delivering attachment for motor-vehicles. No. 1,223,465; Apr. 24; v. 237; p. 962.

Alphabetical list of patentees—Continued.

- Armstrong, Edwin T., Adrian, Mich. Rotary disk valve for gas-engines. No. 1,225,916; May 15; v. 238; p. 714.
- Armstrong, Ernest, Merchantville, N. J. Waste holder or check for journal-boxes. No. 1,232,644; July 10; v. 240; p. 399.
- Armstrong, Frank H., Vulcan, Mich. Valve apparatus. No. 1,214,496; Feb. 6; v. 235; p. 4.
- Armstrong, Frank H., Vulcan, Mich. Shoveling-machine. No. 1,234,115; July 24; v. 240; p. 949.
- Armstrong, Frank J., assignor of one-half to H. T. Broadus, Canadian, Tex. Oil-filter. No. 1,218,506; Mar. 6; v. 236; p. 213.
- Armstrong, George W., Salem, Oreg. Garment-supporter. No. 1,229,013; June 5; v. 239; p. 215.
- Armstrong, Harry Y., assignor to Package Machinery Company, Springfield, Mass. Package and sealing packages. No. 1,215,464; Feb. 13; v. 235; p. 376.
- Armstrong, Harry Y., assignor to Package Machinery Company, Springfield, Mass. Packaging of separately-wrapped articles in a package. No. 1,216,259; Feb. 20; v. 235; p. 715.
- Armstrong, Harry Y., assignor to Package Machinery Company, Springfield, Mass. Wrapping-machine. No. 1,244,277; Oct. 23; v. 243; p. 985.
- Armstrong, Ira P., Lock Haven, Pa. Brushing apparatus. No. 1,218,040; Mar. 6; v. 236; p. 53.
- Armstrong, James, assignor to Armstrong Brothers Tool Company, Chicago, Ill. Tool-holder. No. 1,214,497; Feb. 6; v. 235; p. 4.
- Armstrong, James, assignor to Armstrong Brothers Tool Company, Chicago, Ill. Tool-holder. No. 1,214,498; Feb. 6; v. 235; p. 4.
- Armstrong, James R., assignor to Equitable Meter Company, Pittsburgh, Pa. Gas-meter. No. 1,212,729; Jan. 16; v. 234; p. 381.
- Armstrong, John A., Glinockie, Westcombe Park, England. Blade-wheel mechanism. No. 1,211,524; Jan. 9; v. 234; p. 426.
- Armstrong, John J., Honolulu, Hawaii. Sugar-cane mill. No. 1,213,573; Jan. 23; v. 234; p. 1206.
- Armstrong, John J., assignor of one-eighth to Fred L. Waldron, Limited, Honolulu, Hawaii. Refrigerator-car. No. 1,237,146; Aug. 14; v. 241; p. 553.
- Armstrong, John J., Sr., Weimar, Tex., assignor of one-sixth to R. L. Williams and one-sixth to T. A. Hill. Post-hole digger. No. 1,222,711; Apr. 17; v. 237; p. 673.
- Armstrong, John L. (See Hughes and Armstrong.)
- Armstrong, Lysander B. (See Bosson and Armstrong.)
- Armstrong, Martin B., assignor to The Thomas & Armstrong Company, London, Ohio. Roof construction. No. 1,238,246; Aug. 28; v. 241; p. 976.
- Armstrong, Merton C., assignor to The Interstate Machine Products Company, Inc., Rochester, N. Y. Mechanical movement. No. 1,222,712; Apr. 17; v. 237; p. 673.
- Armstrong, Paul, assignor to Armstrong Brothers Tool Company, Chicago, Ill. Tool-holder. No. 1,242,806; Oct. 9; v. 243; p. 306.
- Armstrong, Percy A. E., assignor to The Quasi-Arc Company, New York, N. Y. Welding electrode and process of welding. No. 1,241,899; Oct. 2; v. 243; p. 138.
- Armstrong, Percy A. E., assignor to The Quasi-Arc Company, New York, N. Y. Electric welding. No. 1,241,900; Oct. 2; v. 243; p. 139.
- Armstrong, Philip M., Paterson, N. J., assignor to The Hayward Company, New York, N. Y. Bucket. No. 1,218,826; Mar. 13; v. 236; p. 366.
- Armstrong, Wesley J., assignor to McKinnon Dash Company, Buffalo, N. Y. Folding stand or support. No. 1,241,486; Oct. 2; v. 243; p. 3.
- Armstrong, William, Wadena, Minn. Gutter for stables. No. 1,221,817; Apr. 10; v. 237; p. 316.
- Armstrong, William B., Sigourney, Iowa. Coal-cabinet. No. 1,224,590; May 1; v. 238; p. 170.
- Armstrong, William H., Plainfield, assignor to Ingersoll-Rand Company, Jersey City, N. J. Rivet-set retainer. No. 1,211,036; Jan. 2; v. 234; p. 229.
- Armuth, Henry C., Columbus, Ind. Switch-operating mechanism. No. 1,246,698; Nov. 13; v. 244; p. 495.
- Arn, John, Columbus, Ohio. Tire. No. 1,242,123; Oct. 9; v. 243; p. 249.
- Arndt, Charles, Tina, Mo. Beet-harvester. No. 1,231,836; July 3; v. 240; p. 102.
- Arndt, Charles, Tina, Mo. Beet-topper. No. 1,231,837; July 3; v. 240; p. 102.
- Arndt, Franklin E., Galion, assignor to Security Metallic Grave Vault Co., Orrville, Ohio. Burial-vault. No. 1,219,217; Mar. 13; v. 236; p. 499.
- Arndt, Franklin E., assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio. Revolving sand-screen. No. 1,231,113; June 26; v. 239; p. 1043.
- Arndt, Henry P., Amston, Conn., assignor of two-thirds to C. M. Ams, New York, N. Y. Shaft-coupling. No. 1,230,646; June 19; v. 239; p. 846.
- Arndt, Maximilian W., and A. W. Sanford, Cleveland, Ohio. Stop-signal for vehicles. No. 1,251,322; Dec. 25; v. 245; p. 966.
- Arndt, Otto, Liegnitz, Germany. Templet-frame. No. 1,233,743; July 17; v. 240; p. 794.
- Arndt, Richard L. (See Porter and Arndt.)
- Arner, Joseph, assignor of one-fourth to G. V. Gadde and three-sixteenths to C. C. Hawbaker, Washington, D. C. Transmission mechanism. No. 1,226,048; May 15; v. 238; p. 760.
- Arnett, Frank, Chicago, Ill. Caster for chairs. No. 1,249,882; Dec. 11; v. 245; p. 453.
- Arnett, Homer H., Osgood, Ohio. Pump attachment. No. 1,241,696; Oct. 2; v. 243; p. 73.
- Arnett, John P., and J. T. Fairchild, Salyersville, Ky. Club. No. 1,240,005; Sept. 11; v. 242; p. 438.
- Arney, David. (See Arney, Edwin E. and D.)
- Arney, Edwin E. and D., Parker, S. D. Mechanical movement. No. 1,241,697; Oct. 2; v. 243; p. 73.
- Arno, Riccardo, Milan, Italy. System for generating high-frequency currents. No. 1,240,294; Sept. 18; v. 242; p. 565.
- Arnold, Albert, Bay City, Mich. Carbureter. No. 1,222,589; Apr. 17; v. 237; p. 629.
- Arnold, Arthur A., assignor to American Optical Company, Southbridge, Mass. Cutter. No. 1,230,551; June 19; v. 239; p. 814.
- Arnold, Arthur A., assignor to American Optical Company, Southbridge, Mass. Manufacturing spectacle-templates. No. 1,248,593; Dec. 4; v. 245; p. 50.
- Arnold, Campbell E., Tampa, Fla. Locomotive. No. 1,235,412; July 31; v. 240; p. 1389.
- Arnold, Charles E., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Producing artificial leather. No. 1,247,610; Nov. 27; v. 244; p. 826.
- Arnold, Douglas A. (See Laytham and Arnold.)
- Arnold, Edwin M., Tulsa, Okla. Luggage-carrier for automobiles. No. 1,233,162; July 10; v. 240; p. 569.
- Arnold, Egmont B., Milwaukee, Wis. Temporary binder. No. 1,221,953; Apr. 10; v. 237; p. 365.
- Arnold, Emmer B., Los Angeles, Cal. Wave-force-utilizing device. No. 1,214,257; Jan. 30; v. 234; p. 1468.
- Arnold, Frank M. (See Brown and Arnold.)
- Arnold, Frank M., Grand Rapids, Ohio. Spring-wheel mounting. No. 1,214,743; Feb. 6; v. 235; p. 91.
- Arnold, Harold D., East Orange, and H. W. Nichols, Maplewood, N. J., assignors, by mesne assignments, to Western Electric Company, Incorporated. Radiotransmission. No. 1,231,984; July 3; v. 240; p. 149.
- Arnold, Harry B. (See Porter and Arnold.)
- Arnold, Harry B., assignor to The National Spring Bed Company, New Britain, Conn. Reclining-couch. No. 1,215,609; Feb. 13; v. 235; p. 432.
- Arnold, Harry B., assignor to The National Spring Bed Company, New Britain, Conn. Couch-bed. No. 1,218,608; Mar. 6; v. 236; p. 249.
- Arnold, Harry B., assignor to The National Spring Bed Company, New Britain, Conn. Hammock back-rest. No. 1,231,532; June 26; v. 239; p. 1179.
- Arnold, Jacob F., Mount Vernon, N. Y. Museum or show case. No. 1,230,825; June 19; v. 239; p. 904.
- Arnold, John P., Berclair, Tex. Combined protector and irrigator for plants. No. 1,244,576; Oct. 30; v. 243; p. 1113.
- Arnold, Lawrence, Deer Plain, Ill. Attachment for hay-racks. No. 1,214,639; Feb. 6; v. 235; p. 55.
- Arnold, Lewis E., Honolulu, Hawaii. Vacuum-box for fruit-canning. No. 1,216,260; Feb. 20; v. 235; p. 715.
- Arnold, Lucien H. (See Tucker and Arnold.)
- Arnold, Paul A., et al. (See Scanlin, James, assignor.)
- Arnold, Sigel, Kansas City, Mo. Casting-weight for fishing-lines. No. 1,232,167; July 3; v. 240; p. 213.
- Arnold, Willard E., Portland, N. D. Gate-latch. No. 1,221,954; Apr. 10; v. 237; p. 365.
- Arnold, William B. (See Martin, Thomas, assignor.)
- Arnold, William H., Oakland, Cal. Combination can-opener. No. 1,250,413; Dec. 18; v. 245; p. 647.
- Arnott, Eugene L. and J. S., Greenfield, Ohio. Pneumatic pump. No. 1,236,651; Aug. 14; v. 241; p. 393.
- Arnott, John S. (See Arnott, Eugene L. and J. S.)
- Arnott, Robert F., Upper Montclair, N. J., assignor to I. L. Myers, New York, N. Y. Manufacture of paper cartons. No. 1,221,649; Apr. 3; v. 237; p. 224.
- Arnoux, René, Paris, France. Anemometric regulator for aeroplanes. No. 1,217,679; Feb. 27; v. 235; p. 1253.
- Arnstien, Leonard A., New York, N. Y., assignor to Imperial Metal Mfg. Co. Bottle-capping machine. No. 1,251,166; Dec. 25; v. 245; p. 920.
- Arntz, Lew, Des Moines, Iowa. Lens-mounting. No. 1,241,698; Oct. 2; v. 243; p. 73.
- Arntzenius, Carolus R. H., The Hague, Netherlands. Telephone system for toll traffic. No. 1,214,258; Jan. 30; v. 234; p. 1469.
- Arolan, Ernest, Kingston, N. Y. Condiment-shaker. No. 1,224,699; May 1; v. 238; p. 208.
- Aron Elektricitätszählerfabrik G. m. b. H. (See Neubaur, Erich, assignor.)
- Aron, Louis. (See Tarshis, Berzon and Brezin, assignors.)
- Aronson, Edwyn M., Fort Scott, Kans. Collapsible house. No. 1,232,168; July 3; v. 240; p. 213.
- Aronson, Louis V., Newark, N. J. Thermometer-attaching means. No. 1,228,164; May 29; v. 238; p. 1538.
- Aronson, Louis V., Newark, N. J. Neckwear. No. 1,234,523; July 24; v. 240; p. 1033.
- Arquembourg, Emile H. (See Gruouelle, Arquembourg, and Joret.)
- Arrants, Robert S., Kingsport, Tenn. Circular multiple machine-table. No. 1,243,577; Oct. 16; v. 243; p. 735.
- Arras, Adam W., Jenera, Ohio. Lamp-tilting device. No. 1,246,034; Nov. 13; v. 244; p. 297.

- Arrington, Archibald H. (See Brogdon, Joel E., assignor.)
- Arrington, Eugene, Ridgeley, W. Va. Safety attachment for air-brake systems. No. 1,232,475; July 10; v. 240; p. 346.
- Arntson, Perry B., and C. H. Miller, assignors to Multicalculator Company, Chicago, Ill. Calculating appliance. No. 1,228,385; June 5; v. 239; p. 3.
- Arrioja, Miguel D., New York, N. Y. Animal-trap. No. 1,213,997; Jan. 30; v. 234; p. 1380.
- Arrouquier, Frederick E., assignor of one-half to D. Hennigan, Worcester, Mass. Mechanism for affixing window-patches on envelop-blanks. No. 1,250,075; Dec. 11; v. 245; p. 506.
- Arrow Electric Company, The. (See Gates, Frederic P., assignor.)
- Arrow Electric Company, The. (See Nero, Arvid H., assignor.)
- Arrow Fuse & Mfg. Co. (See Jung, Oscar H., assignor.)
- Arrow-Grip Manufacturing Company. (See Avery, True M., assignor.)
- Arrow Manufacturing Company. (See Ferguson, Archibald B., assignor.)
- Arseneault, John H., Shediac, New Brunswick, Canada. Grease-cup. No. 1,222,256; Apr. 10; v. 237; p. 470.
- Art in Buttons, Incorporated. (See Hastings, Herbert, assignor.)
- Art Metal Construction Company. (See Carlson, Underwood, and Jaderstrom, assignors.)
- Art Metal Construction Company, The. (See Sampson and Johnson, assignors.)
- Art Metal Construction Company. (See Ulrich, Charles E., assignor.)
- Art Products Company. (See Hill, John E., assignor.)
- Art Stove Co. (See Coda, Christopher F., assignor.)
- Artfilm Studios. (See Stambaugh, Reginald V., assignor.)
- Arthur, Albert E., assignor to The Cleveland Hardware Company, Cleveland, Ohio. Forming dies. No. 1,231,323; June 26; v. 239; p. 1111.
- Arthur, Albert E., assignor to The Cleveland Hardware Company, Cleveland, Ohio. Master-die for forging dies for drop-hammers, presses, and the like. No. 1,231,324; June 26; v. 239; p. 1111.
- Arthur, Albert E., assignor to The Cleveland Hardware Company, Cleveland, Ohio. Master-die for forging dies for drop-hammers, presses, and the like. No. 1,231,470; June 26; v. 239; p. 1161.
- Arthur, Alexander J., Fort Dodge, Iowa. Pencil-clutch. No. 1,231,838; July 3; v. 240; p. 102.
- Arthur, Alexander J., Fort Dodge, Iowa. Lead-pointer. No. 1,238,978; Sept. 4; v. 242; p. 83.
- Arthur, Charles A., Alder Point, Cal. Gun-sight. No. 1,248,594; Dec. 4; v. 245; p. 50.
- Arthur, Charles P., Hampton, Iowa. Banana-carrier. No. 1,229,205; June 12; v. 239; p. 329.
- Arthur, Samuel C., assignor to Cyclone Fence Company, Waukegan, Ill. Non-climbable fence. No. 1,237,601; Aug. 21; v. 241; p. 736.
- Arthur, Thomas L., East Smethport, Pa. Rotary gas-engine. No. 1,219,795; Mar. 20; v. 236; p. 730.
- Arthur, Walter, Philadelphia, Pa. Smoke-producing compound. No. 1,244,940; Oct. 30; v. 243; p. 1223.
- Arthur, William, New Haven, Conn. Registering mechanism. No. 1,233,637; July 17; v. 240; p. 762.
- Artmann, Johann, Essen-on-the-Ruhr, Germany. Continuous distillation of tar. No. 1,214,259; Jan. 30; v. 234; p. 1469.
- Artz, Harry M. (See Lorenzen and Artz.)
- Arzac Manufacturing Co. (See Spade, Henry E., assignor.)
- Arvine, Freeling W., Rochester, N. Y. Sash-balance. No. 1,226,843; May 22; v. 238; p. 1065.
- Asbell, Sylvester J., Paterson, N. J. Means for dispensing liquids in definite quantities. No. 1,242,414; Oct. 9; v. 243; p. 341.
- Asbestos Protected Metal Company. (See Caffrey, James H., assignor.)
- Asbestos Protected Metal Company. (See Davis, Meyer, assignor.)
- Asbestos Protected Metal Company. (See Gardner, James, assignor.)
- Asbestos Protected Metal Company. (See Waugh, William P., assignor.)
- Asbestos Slate Roofing Manufacturing Company. (See Sanger, William, assignor.)
- Asbestos Wood Co. (See Williams, Samuel A., assignor.)
- Asbury, Charles W., Oak Lane, assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Cherry-stoner. No. 1,226,438; May 15; v. 238; p. 892.
- Asbury, Dorsey F., assignor to United States Ordnance Company, Washington, D. C. Power-operated breech mechanism. No. 1,229,859; June 12; v. 239; p. 550.
- Asbury, Harry E., Philadelphia, Pa. Hand-grenade. No. 1,234,713; July 31; v. 240; p. 1176.
- Asbury, Harry E., Philadelphia, Pa. Hand-grenade and other explosive shells. No. 1,234,943; July 31; v. 240; p. 1247.
- Asbury, Harry E., assignor to The Enterprise Manufacturing Company of Pennsylvania, Philadelphia, Pa. Bottle-capping machine. No. 1,245,658; Nov. 6; v. 244; p. 157.
- Asch, Paul B. (See Simmons, Albert H., assignor.)
- Ascue, William H., Wichita, Kans. Corn-harvester and ensilage-cutter. No. 1,240,164; Sept. 18; v. 242; p. 523.
- Ash, Charles S., assignor to Gould & Ash, San Francisco, Cal. Treating beer. No. 1,234,255; July 24; v. 240; p. 996.
- Ash, Ersel C., assignor to G. I. Sellers & Sons Company, Elwood, Ind. Door-operating mechanism for kitchen-cabinets. No. 1,213,141; Jan. 23; v. 234; p. 1054.
- Ash, Louis R. (See Harrington, Howard, and Ash.)
- Ash, Marselius T., Buffalo, N. Y. Carton. No. 1,223,232; Apr. 17; v. 237; p. 849.
- Ash, Marselius T., Buffalo, assignor to B. G. Collier, New York, N. Y. Coin-controlled apparatus. No. 1,248,422; Nov. 27; v. 244; p. 1053.
- Ashbaugh, John E., and W. R. King, Clarksburg, Pa. Tire applying and removing tool. No. 1,233,012; July 10; v. 240; p. 520.
- Ashby, Edward W. (See Laing and Ashby.)
- Ashby, Fred W., assignor to Winslow Brothers Company, Chicago, Ill. Glazing-bar. No. 1,242,904; Oct. 16; v. 243; p. 531.
- Ashcroft, Edgar A., London, England. Manufacture of anhydrous magnesium chlorid. No. 1,231,471; June 26; v. 239; p. 1161.
- Ashcroft, Edgar A., London, England. Manufacture or production of anhydrous metal chlorids. No. 1,232,169; July 3; v. 240; p. 213.
- Ashcroft Manufacturing Company, The. (See Blanchard, Crocker, and Keefer, assignors.)
- Ashe, Lauren H. (See Kohman, Godfrey, and Ashe.)
- Asheiman, Hervey B., and J. S. Johnson, Fargo, N. D. Safety-valve. No. 1,216,919; Feb. 20; v. 235; p. 943.
- Asheiman, Hervey B., and J. S. Johnson, Fargo, N. D. Air-valve. No. 1,229,860; June 12; v. 239; p. 550.
- Ashehurst, Harold S., assignor of four-fifths to J. J. Reynolds, Chicago, Ill. Heat-insulating material and producing the same. No. 1,230,085; June 12; v. 239; p. 621.
- Ashtand Products Co., The. (See Willour, Le Roy, assignor.)
- Ashley, Charles G., assignor to General Engineering and Construction Company, Limited, Toronto, Ontario, Canada. Quadriplex-telegraph system. No. 1,234,524; July 24; v. 240; p. 1083.
- Ashley, Frank M., Brooklyn, N. Y. Pen. No. 1,248,989; Dec. 4; v. 245; p. 163.
- Ashley, Lloyd J., Mason City, Iowa. Saw-filing machine. No. 1,232,476; July 10; v. 240; p. 346.
- Ashley, Robert W., New York, N. Y., assignor of one-half to F. Oberkirch, St. Marys, Pa. Vehicle-wheel rim. No. 1,219,064; Mar. 13; v. 236; p. 447.
- Ashley, Robert W., New York, N. Y., assignor of one-half to F. Oberkirch, St. Marys, Pa. Vehicle-wheel rim. No. 1,224,830; May 1; v. 238; p. 253.
- Ashley, Robert W., and F. Oberkirch, New York, N. Y. Vehicle-wheel rim. No. 1,219,065; Mar. 13; v. 236; p. 448.
- Ashley, William E., Greensboro, N. C. Bridge-protector. No. 1,227,565; May 29; v. 238; p. 1336.
- Ashley, William G., New Bedford, Mass. Game-exhibiting device. No. 1,216,261; Feb. 20; v. 235; p. 716.
- Ashlock, Henry H., San Diego, Cal. Oil-burner. No. 1,248,055; Nov. 27; v. 244; p. 954.
- Ashmon, Anna K., Salem, Oreg. Chimney-holder. No. 1,223,233; Apr. 17; v. 237; p. 849.
- Ashmon, Walter D., Salem, Oreg. Sand-machine. No. 1,214,406; Jan. 30; v. 234; p. 1521.
- Ashmore, Jay. (See Frazier and Ashmore.)
- Ashtabula Bow Socket Company, The. (See Allen, Charles R., assignor.)
- Ashtabula Bow Socket Company, The. (See Tesmer, Frederick L., assignor.)
- Ashton, Frank R., assignor to The Ricker Mfg. Co., Rochester, N. Y. Cattle-stanchion. No. 1,250,759; Dec. 18; v. 245; p. 749.
- Ashton, Hannah, executrix. (See Ashton, Orrell.)
- Ashton, Orrell, deceased; H. Ashton, executrix, Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-ironing apparatus. No. 1,244,405; Oct. 23; v. 243; p. 1023.
- Ashton, Thomas N., Fall River, Mass. Municipal street-conduit system. No. 1,246,839; Nov. 20; v. 244; p. 573.
- Ashus, John, Roxbury, Mass. Beverage and making same. No. 1,226,439; May 15; v. 238; p. 893.
- Ashworth, Arthur. (See Butterfield, John C., assignor.)
- Ashworth, Fred. (See Lee and Ashworth.)
- Ashworth, Fred, Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,233,539; July 17; v. 240; p. 728.
- Ashworth, Fred, Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,248,784; Dec. 4; v. 245; p. 106.
- Ashworth, William H., and J. C. Crout, Pelion, S. C. Signal. No. 1,241,603; Oct. 2; v. 243; p. 44.
- Asimos, Fred C. (See Ulfers and Asimos.)
- Aske Automatic Voltage Regulator Company. (See Aske, Irving E., assignor.)
- Aske, Irving E., Duluth, Minn., assignor to Aske Automatic Voltage Regulator Company. Variable magnetic-opposed reaction-coil electric circuit. No. 1,220,166; Mar. 27; v. 236; p. 898.

- Askenasy, Paul, Karlsruhe, assignor to Aktiengesellschaft für Chemische Produkte vormals H. Scheidemandel, Berlin, Germany. Thickening (condensing) or drying solutions, emulsions, and the like. No. 1,234,714; July 31; v. 240; p. 1177.
- Askerberg, Otto L., Jamestown, N. Y. Door-check. No. 1,237,602; Aug. 21; v. 241; p. 737.
- Askew, Joel E., assignor of one-half to T. M. Fairbairn, San Antonio, Tex. Device for decorticating fibrous leaves of plants. No. 1,233,013; July 10; v. 240; p. 520.
- Askew, Wille G., Morgan City, La. Bread raising and warming cabinet. No. 1,227,103; May 22; v. 238; p. 1154.
- Askin, Morris. (See Robison and Askin.)
- Askin, Morris W., Philadelphia, Pa. Electric-lamp-shade holder. No. 1,235,635; Aug. 7; v. 241; p. 34.
- Aslin, James, Providence, R. I. Blowpipe. No. 1,227,104; May 22; v. 238; p. 1155.
- Åslund, Felix. (See Boberg, Söderlund, and Åslund.)
- Åslund, Knut, and T. Boberg, London, England. Aromatizing dry coffee extract. No. 1,214,875; Feb. 6; v. 235; p. 136.
- Aspegren, William H., Quincy, Mass. Buffer. No. 1,223,845; Apr. 24; v. 237; p. 1098.
- Aspelund, Daniel O., Brooklyn, N. Y. Steam-regulating device. No. 1,257,611; Nov. 27; v. 244; p. 826.
- Aspinwall, Ernest E., Pawtucket, R. I. Machine for glazing and finishing yarns, threads, and twines. No. 1,212,877; Jan. 16; v. 234; p. 930.
- Aspinwall, Lewis A., assignor to Aspinwall Manufacturing Company, Jackson, Mich. Fertilizer attachment for planting-machines. No. 1,234,525; July 24; v. 240; p. 1084.
- Aspinwall, Lewis A., Jackson, Mich., assignor to Aspinwall Manufacturing Company. Potato-planter. No. 1,240,529; Sept. 18; v. 242; p. 638.
- Aspinwall Manufacturing Company. (See Aspinwall, Lewis A., assignor.)
- Asplet, Arthur, assignor of one-half to W. H. Woodbury, Murphy, N. C. Nut-lock. No. 1,226,440; May 15; v. 238; p. 893.
- Asplund, Charles F., Minneapolis, Minn. Cream-separator speed-indicator. No. 1,244,162; Oct. 23; v. 243; p. 949.
- Asprooth, Axel H., Rockford, Ill. Friction-clutch. No. 1,236,652; Aug. 14; v. 241; p. 394.
- Asquith, Stead A., Waterloo, Iowa. Safety-catch. No. 1,222,515; Apr. 10; v. 237; p. 562.
- Asquith, Stead A., Waterloo, Iowa. Gear-shifting mechanism. No. 1,229,206; June 12; v. 239; p. 329.
- Associated Automatic Sprinkler Company. (See Rowley, Arthur C., assignor.)
- Associated Engineers Company. (See Van Diest, Edmond C., assignor.)
- Associated Farms Co. (See Walter, Maurice C., assignor.)
- Associated Manufacturers Company. (See Menges, Theodore C., assignor.)
- Ast, Albert, Morrisville, Pa. Adjustable pulley. No. 1,237,147; Aug. 14; v. 241; p. 553.
- Astarita, Hulda E., Brooklyn, N. Y. Automatic fire-escape. No. 1,233,540; July 17; v. 240; p. 729.
- Astarita, Hulda E., Brooklyn, N. Y. Fire-escape. No. 1,244,278; Oct. 23; v. 243; p. 986.
- Astrom, Carl P., East Orange, N. J., assignor to M. H. Treadwell Company. Dust-guard. No. 1,211,037; Jan. 2; v. 234; p. 229.
- Astrom, Carl P., East Orange, N. J., assignor to M. H. Treadwell Company. Locking mechanism for dumping cars. No. 1,243,478; Oct. 16; v. 243; p. 705.
- Astrom, Carl P., East Orange, N. J., assignor to M. H. Treadwell Company. Die-stock. No. 1,250,113; Dec. 11; v. 245; p. 518.
- Astrom, John, assignor to Fort Wayne Engineering and Manufacturing Company, Fort Wayne, Ind. Deep-well-pump head. No. 1,241,604; Oct. 2; v. 243; p. 45.
- Astruck, John H., New York, N. Y. Match-case. No. 1,214,115; Jan. 30; v. 234; p. 1420.
- Astruck, John H., New York, N. Y. Ash-tray. No. 1,220,167; Mar. 27; v. 236; p. 899.
- Azman, Albert A., Rahway, N. J. Light-dimmer. No. 1,237,148; Aug. 14; v. 241; p. 553.
- Aten, Merritt L., assignor of one-fourth to C. R. Longstreet and one-twelfth to A. C. Pinegar, Jackson, Mich. Wheel. No. 1,246,518; Nov. 13; v. 244; p. 442.
- Athanasopoulos, Constantine, Washington, D. C. Safety-fender. No. 1,246,840; Nov. 20; v. 244; p. 578.
- Atherton, Alfred L., Wilkesburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Rectifier system. No. 1,214,116; Jan. 30; v. 234; p. 1421.
- Atherton, Charles. (See Gribbel and Atherton.)
- Atherton, Charles, assignor to Unit System of Heating and Mfg. Company, Pasadena, Cal. Gas-furnace. No. 1,224,700; May 1; v. 238; p. 208.
- Atherton, Lewis G., Eugene, Ore. Track-oiler. No. 1,250,076; Dec. 11; v. 245; p. 507.
- Athons, Fred M. (See Athons, Herbert and F. M.)
- Athons, Herbert and F. M., Los Angeles, Cal. Removable spring-head. No. 1,216,920; Feb. 20; v. 235; p. 943.
- Atkins, Charles H., Springfield, Mass. Steam-trap. No. 1,216,394; Feb. 20; v. 235; p. 763.
- Atkins, Charles H., Springfield, Mass. Hollow-bolt construction. No. 1,216,395; Feb. 20; v. 235; p. 764.
- Atkins, Earl F. (See Atkins, Frank K. and E. F.)
- Atkins, Frank K. and E. F., New York, N. Y. Centrifugal pressure filter. No. 1,219,796; Mar. 20; v. 236; p. 730.
- Atkins, Henry A., and T. Fraudsen, Moline, Ill. Garden and lawn tool. No. 1,221,650; Apr. 3; v. 237; p. 224.
- Atkins, J. B. (See Christman, Daniel H., assignor.)
- Atkins, James, Philadelphia, Pa. Switch-lock. No. 1,232,477; July 10; v. 240; p. 346.
- Atkins, James W. (See Humason, Granville A., assignor.)
- Atkins, William R., Roanoke, Va. Cylinder-cock. No. 1,231,692; July 3; v. 240; p. 53.
- Atkinson, Albert, London, England. Wind-screen for side cars. No. 1,223,551; Apr. 24; v. 237; p. 994.
- Atkinson, Alfred C., Kelburn, Wellington, New Zealand. Metal molding and casting appliance. No. 1,225,206; May 8; v. 238; p. 430.
- Atkinson, Edward M., Portland, Ore. Cooking and heating device. No. 1,223,552; Apr. 24; v. 237; p. 994.
- Atkinson, Frederick C., Indianapolis, Ind. Shortener for baking foods. No. 1,231,114; June 26; v. 239; p. 1043.
- Atkinson, George C., Georgetown, Tex. Watering-trough. No. 1,237,447; Aug. 21; v. 241; p. 688.
- Atkinson, Gerald S., Los Angeles, Cal. Self-loading mixer. No. 1,220,812; Mar. 27; v. 236; p. 1123.
- Atkinson, Henry T., Oakland, Cal. Window. No. 1,239,449; Sept. 11; v. 242; p. 261.
- Atkinson, Herbert S., East Orange, N. J., assignor to The Hayward Company, New York, N. Y. Bucket. No. 1,249,298; Dec. 11; v. 245; p. 283.
- Atkinson, Herbert S., East Orange, N. J., and H. J. Brendlin, assignors to The Hayward Company, New York, N. Y. Automatic cable-take-up device. No. 1,235,092; July 31; v. 240; p. 1293.
- Atkinson, Jackson B., Austin, Tex. Exhibitor. No. 1,236,653; Aug. 14; v. 241; p. 494.
- Atkinson, James K., Brooklyn, N. Y. Soap-holding device. No. 1,242,905; Oct. 16; v. 243; p. 531.
- Atkinson, Joseph. (See White, Franklin M., assignor.)
- Atkinson, Lynn S. (See Marks, Donn O., assignor.)
- Atkinson, Wilfred A., Philipsburg, N. J. Phonograph attachment. No. 1,236,248; Aug. 7; v. 241; p. 232.
- Atkinson, William A., et al. (See Dudley, John B., assignor.)
- Atlanta Utility Works. (See Reynolds, Mercer, assignor.)
- Atlantic Communication Company. (See Reuthe, Gustav, assignor.)
- Atlantic Communication Company. (See Selbst, George, assignor.)
- Atlas Ball Company. (See Mayhew, Frank, assignor.)
- Atlas Powder Company. (See Dyson, Herbert P., assignor.)
- Atlas Tack Company. (See Raiche, Andrew, assignor.)
- Atlas Tank Manufacturing Company. (See Wahlberg, Eric J., assignor.)
- Atteberry, Alvin R., Springfield, Ill. Downdraft-furnace. No. 1,211,657; Jan. 9; v. 234; p. 472.
- Atterbury, Grosvenor, New York, N. Y. Mold. No. 1,241,487; Oct. 2; v. 243; p. 3.
- Atterbury, John N., Laurel, Ore. Potato-separator. No. 1,226,441; May 15; v. 238; p. 893.
- Atterbury, Thomas W., Dansonville, N. Y., and P. W. Matthews, Scottsdale, assignors of five-twelfths to said P. W. Matthews, Dormont, five-twelfths to F. E. Bedale, Mount Pleasant, Pa., and two-twelfths to J. F. Brandenburg, Mahwah, N. J. Charging mechanism. No. 1,240,295; Sept. 18; v. 242; p. 566.
- Attula, Frederic, Chicago, Ill. Mechanical bait-casting fishing-rod. No. 1,226,162; May 15; v. 238; p. 798.
- Atwell, Locke, Selma, Ala. Lifting-jack. No. 1,244,406; Oct. 23; v. 243; p. 1023.
- Atwood, Albert A. (See Myers, Hubert A., assignor.)
- Atwood, Benjamin S., Milford, Mass. Hand threading attachment for loom-shuttles. No. 1,240,643; Sept. 18; v. 242; p. 672.
- Atwood, Harry C., Ardmore, Okla. Shutter-operating attachment for cameras. No. 1,238,621; Aug. 28; v. 241; p. 1098.
- Atwood Machine Company, The. (See Bradley, Edward E., assignor.)
- Atwood, Seth B., Rockford, Ill. Buffer for doors. No. 1,226,442; May 15; v. 238; p. 893.
- Atwood, Waldo A., Villisca, Iowa. Loading attachment for automobiles. No. 1,237,448; Aug. 21; v. 241; p. 688.
- Atwood, William S., Montreal, Quebec, Canada. Tread-plate. No. 1,215,235; Feb. 6; v. 235; p. 262.
- Atwood, Winfield A., Schenectady, N. Y., assignor to General Electric Company. Field-control switch. No. 1,229,014; June 5; v. 239; p. 215.
- Au Buchon, Perry P., St. Louis, Mo. Garment-fastener. No. 1,234,256; July 24; v. 240; p. 996.
- Auberlin, Gustav, Vallejo, Cal. Puncture-proof pneumatic tire. No. 1,229,861; June 12; v. 239; p. 550.
- Aubin, Frank, New York, N. Y. Sash-fastener. No. 1,232,170; July 3; v. 240; p. 213.
- Aubrey, Orley R., Holbrook, Ore. Adjustable logging-sling. No. 1,225,100; May 8; v. 238; p. 396.
- Auburg, Jesse T., Nadine, N. Mex. Adjustable wrench. No. 1,249,587; Dec. 11; v. 245; p. 365.
- Auburn Ball Bearing Company. (See Collins, Francis A., Jr., assignor.)
- Auchy, Henry B. (See Bowditch, Charles H., assignor.)
- Auckland, John C., and E. P. Hildebrand, Seattle, Wash. Fuel-governor for oil-burners. No. 1,230,979; June 26; v. 239; p. 996.

- Audet, Francis X., deceased, New York, N. Y.; Mary F. Audet, administratrix, assignor to The Phonograph Company, East Boston, Mass. Keyed zither. No. 1,246,519; Nov. 13; v. 244; p. 442.
- Audet, Mary F., administratrix. (See Audet, Francis X.)
- Audley, Maurice A., West Philadelphia, Pa. Game. No. 1,225,393; May 8; v. 238; p. 496.
- Auel, Carl B., Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Ventilating plate and spacer for electrical apparatus. No. 1,221,013; Apr. 3; v. 237; p. 4.
- Auel, Carl B., Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric welding. No. 1,229,700; June 12; v. 239; p. 496.
- Auer, Albert, *et al.* (See Hoferle, John, assignor.)
- Auer, Andrew, *et al.* (See Hoferle, John, assignor.)
- Auer, Carl, Fragaria, assignor of one-eighth to F. Rueth, Seattle, Wash. Milk-bottle holder. No. 1,233,163; July 10; v. 240; p. 570.
- Auer, Harry A. (See Andrews, William C., assignor.)
- Auer, Harry A. (See Andrews and Auer.)
- Auer, John N., Prairie du Rocher, Ill. Combined step-ladder, bench, and ironing-board. No. 1,245,082; Oct. 30; v. 243; p. 1265.
- Auer, John F., Philadelphia, Pa., assignor to Auer & Twitchell, Inc., Dover, Del. Device for producing paper wrapping-cord. No. 1,219,421; Mar. 20; v. 236; p. 600.
- Auer, Josef, assignor of one-fourth to E. Waltuck, New York, N. Y. Hydromobile. No. 1,232,751; July 10; v. 240; p. 437.
- Auer, Louis, *et al.* (See Hoferle, John, assignor.)
- Auer & Twitchell. (See Auer, John F., assignor.)
- Auerbach, Henry, Albany, N. Y. Refrigerator or ice-chest. No. 1,216,767; Feb. 20; v. 235; p. 892.
- Auf der Haar, John H., Chicago, Ill. Traction-engine. No. 1,220,388; Mar. 27; v. 236; p. 977.
- Aufero, Emanuel, Brooklyn, N. Y. Signal device. No. 1,226,624; May 22; v. 238; p. 991.
- Aufero, Emanuel, Brooklyn, N. Y. Mechanical horn. No. 1,239,425; Sept. 4; v. 242; p. 224.
- Aufero, Emanuel, Brooklyn, N. Y. Mechanical horn. No. 1,239,426; Sept. 4; v. 242; p. 224.
- Aufero, Emanuel, Brooklyn, N. Y. Alarm device. (Re-issue.) No. 1,4378; Oct. 23; v. 243; p. 1036.
- Augenbraun, Peter F., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Closure for gasoline or other liquid tanks. No. 1,212,878; Jan. 16; v. 234; p. 930.
- Augensen, August M., Maywood, Ill., assignor to American Can Company, New York, N. Y. Can conveyor and distributor. No. 1,236,389; Aug. 14; v. 241; p. 307.
- Augensen, August M., Maywood, Ill., assignor to American Can Company, New York, N. Y. Can conveyor and distributor. No. 1,236,390; Aug. 14; v. 241; p. 307.
- Augensen, August M., Maywood, Ill., assignor to American Can Company, New York, N. Y. Distributing mechanism for can-conveyers. No. 1,236,391; Aug. 14; v. 241; p. 308.
- Augur, Robert C. (See Jones and Augur.)
- August Goertz & Co. (See Goertz, Frederick, assignor.)
- August Goertz & Co. (See Vom Eigen, Benno, assignor.)
- August Maag Company, The. (See Will, Anthony J., assignor.)
- Augustine, Benjamin F., Buffalo, N. Y. Rotary engine. No. 1,229,569; June 12; v. 239; p. 453.
- Augustine, Benjamin F., Buffalo, N. Y. Rotary engine. No. 1,238,870; Sept. 4; v. 242; p. 48.
- Augustine, Benjamin F., Buffalo, N. Y. Shaft-coupling. No. 1,242,906; Oct. 16; v. 243; p. 532.
- Aukett, Charles H., *et al.* (See Jackson, Walter B., assignor.)
- Auld, Demas L., Columbus, Ohio. Means for securing name-plates and like devices to other structures. No. 1,245,172; Nov. 6; v. 244; p. 9.
- Auld, Elgie C., Scottsdale, Pa. Flume. No. 1,230,980; June 26; v. 239; p. 996.
- Auld, Frederick H., Columbus, Ohio. Means for securing name-plates. No. 1,217,263; Feb. 27; v. 235; p. 1105.
- Auld, Frederick H., Columbus, Ohio. Means for securing name-plates and like devices to other structures. No. 1,245,171; Nov. 6; v. 244; p. 9.
- Auld, John, Chicago, Ill. Eraser device. No. 1,216,648; Feb. 20; v. 235; p. 852.
- Auld, John, Chicago, Ill. Fountain-brush. No. 1,226,163; May 15; v. 238; p. 799.
- Auld, John, and J. Graham, Glasgow, Scotland. Reducing-valve. No. 1,212,879; Jan. 16; v. 234; p. 930.
- Aull, Jerome J., assignor to The Lunkenheimer Company, Cincinnati, Ohio. Gas-engine primer. No. 1,240,404; Sept. 18; v. 242; p. 599.
- Ault, Harvey N., Seattle, Wash. Adjustable chair. No. 1,238,078; Aug. 28; v. 241; p. 920.
- Ault & Wiborg Company, The. (See Hochstetter, Robert, assignor.)
- Aumann, Louis A., Chicopee, assignor to Draper Corporation, Hopedale, Mass. Warming-machine. No. 1,218,235; Mar. 6; v. 236; p. 122.
- Aument, Carroll M., Strasburg, Pa. Book-cover protector. No. 1,220,389; Mar. 27; v. 236; p. 978.
- Aument, Carroll M., New Brunswick, N. J. Making cinematographic cartoon pictures. No. 1,235,871; Aug. 7; v. 241; p. 112.
- Auren, John W. (See Anderson, John, assignor.)
- Aurich, Victor H., and A. Cihak, Jersey City, N. J. Tool-holder. No. 1,230,647; June 19; v. 239; p. 847.
- Aurora Automatic Machinery Company. (See Anderson, Adolph, assignor.)
- Aurora Door Hanger & Specialty Company. (See Guy, George G., assignor.)
- Ausbrooks, J. A., *et al.* (See Taylor; Ewing H., assignor.)
- Austin, Albert M., Piermont, N. Y. Process and apparatus for drying edible pastes. No. 1,229,397; June 12; v. 239; p. 394.
- Austin, Allen C. (See Austin, Frank A. and A. C.)
- Austin, Arthur O., Barberton, assignor to Ohio Brass Company, Mansfield, Ohio. High-tension insulator. No. 1,233,296; July 17; v. 240; p. 647.
- Austin, Arthur O., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Insulator. No. 1,242,907; Oct. 16; v. 243; p. 532.
- Austin, Frank A. and A. C., Syracuse, N. Y. Pressing-machine. No. 1,233,293; July 10; v. 240; p. 609.
- Austin, Frank W. (See Butler, James H., assignor.)
- Austin, Frederick C. (See Anderson, Vincent G., assignor.)
- Austin, Frederick C. (See Bager, Frederic E., assignor.)
- Austin, Frederick C. (See Bathrick, Charles E., assignor.)
- Austin, Frederick C. (See Bentson, Hans J., assignor.)
- Austin, Frederick C. (See Bunnell, Morton G., assignor.)
- Austin, Frederick C. (See French, James C., assignor.)
- Austin, Frederick C. (See Rosendahl, Nils M., assignor.)
- Austin, George E., New York, and F. Lachance, Brooklyn, N. Y., said Lachance assignor to said Austin. Armature-banding machine. No. 1,220,054; Mar. 20; v. 236; p. 820.
- Austin, Harry L., Huron, S. D. Calipers and dividers. No. 1,237,992; Aug. 21; v. 241; p. 860.
- Austin, Herbert, Bromsgrove, England. Appliance for boring metals or other hard substances. No. 1,226,164; May 15; v. 238; p. 799.
- Austin, Herbert, Bromsgrove, England. Collapsible screw-threading tap. No. 1,234,602; July 24; v. 240; p. 1107.
- Austin, Herbert, Bromsgrove, England. Boring-bar. No. 1,241,073; Sept. 25; v. 242; p. 839.
- Austin, Herbert A., Boston, Mass., assignor to Everlastik, Inc. Pasteboard dispensing-package for elastic. No. 1,210,883; Jan. 2; v. 234; p. 174.
- Austin, Jesse M. (See Miller and Austin.)
- Austin, John M., Cuddebackville, N. Y. Automobile body and seat. No. 1,238,480; Aug. 28; v. 241; p. 1053.
- Austin, John T., assignor to Austin Organ Company, Hartford, Conn. Tracker mechanism. No. 1,212,165; Jan. 9; v. 234; p. 649.
- Austin Organ Company. (See Austin, John T., assignor.)
- Austin, Raymond B., Delaware, Ohio. Pressure-gage. No. 1,250,414; Dec. 18; v. 245; p. 647.
- Austin, Samuel E., Garden City, Kans. Attachment for automobiles. No. 1,240,006; Sept. 11; v. 242; p. 438.
- Austin, Walter M., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Switching device. No. 1,234,999; July 31; v. 240; p. 1265.
- Austin, Walter M., Swissvale, and R. F. Ringle, assignors to Herman Pneumatic Machine Company, Zellenople, Pa. Turnover and pattern-drawing device. No. 1,243,030; Oct. 16; v. 243; p. 572.
- Austin, William A., *et al.* (See Phillips, George B., assignor.)
- Austin, William M., Elizabeth, N. J. Bolt-board. No. 1,232,171; July 3; v. 240; p. 214.
- Austin, William S. S., Johnson City, N. Y. Coaster-wagon. No. 1,236,038; Aug. 7; v. 241; p. 167.
- Auth, Charles, *et al.*, trustees. (See Richardson, Henry F., assignor.)
- Auth, Charles, assignor to E. L. Auth, Brooklyn, N. Y. Storage-battery charger. No. 1,222,257; Apr. 10; v. 237; p. 471.
- Auth, Emma L. (See Auth, Charles, assignor.)
- Authier, Joseph M. (See Cordeau, Adolphe, assignor.)
- Auto Gas Register Company, The. (See Howden, William N., assignor.)
- Auto-Ped Company of America. (See Wacker, George W., assignor.)
- Auto Power Company. (See Armstrong, Edwin R., assignor.)
- Auto Power Generator & Appliance Co. (See Curtis, Homer F., assignor.)
- Auto Power Generator and Appliance Company. (See Andersen, Charles M., assignor.)
- Auto Protection Company. (See Short and Dunning, assignors.)
- Auto Radiator Company. (See Siegel, Frederick, assignor.)
- Auto Safety Light Company, The. (See Deady and Holland, assignors.)
- Auto-Signal Co. (See Comer, Guy W., assignor.)
- Auto Strop Company. (See Galsman, Henry J., assignor.)
- Auto Tractor Company. (See Zimmerman, Walter H., assignor.)
- Auto Transmission Company. (See Weigel, Philip A., assignor.)
- Autocall Company, The. (See Thompson, George, assignor.)
- Autogenwerk Sirius, Gesellschaft mit beschränkter Haftung. (See Samesreuther, Richard, assignor.)

Alphabetical list of patentees—Continued.

- Autographic Recorder Company. (See Barrett, Thomas J., assignor.)
- Automatic Addressing Machine Company, The. (See Hay, Walter, assignor.)
- Automatic Advertising & Sales Company, The. (See King, Isaac W., assignor.)
- Automatic Baseball Co. of Illinois. (See Boardman, Harry G., assignor.)
- Automatic Candy Machine Company. (See Swartz and Waugh, assignors.)
- Automatic Chemical Closet Company. (See Scarborough and King, assignors.)
- Automatic Coin-Wrapping Machine Company. (See Batdorf, Charles S., assignor.)
- Automatic Electric Company. (See Blessing, John G., assignor.)
- Automatic Electric Company. (See Burfeind, Raymond H., assignor.)
- Automatic Electric Company. (See Campbell, Wilson L., assignor.)
- Automatic Electric Company. (See Cooley, Jerome E., assignor.)
- Automatic Electric Company. (See Erickson, Charles J., assignor.)
- Automatic Electric Company. (See Erickson, John, assignor.)
- Automatic Electric Company. (See Fales, Edward D., assignor.)
- Automatic Electric Company. (See Gifford, Roy C., assignor.)
- Automatic Electric Company. (See Hershey, Harry E., assignor.)
- Automatic Electric Company. (See Hulit, John A., assignor.)
- Automatic Electric Company. (See Johnson, Morton L., assignor.)
- Automatic Electric Company. (See Keith, Alexander E., assignor.)
- Automatic Electric Company. (See Kimball, George E., assignor.)
- Automatic Electric Company. (See Lubberger, Fritz, assignor.)
- Automatic Electric Company. (See Martin, Talbot G., assignor.)
- Automatic Electric Company. (See Meyer, Trygve E., assignor.)
- Automatic Electric Company. (See Mollerup, Christopher, assignor.)
- Automatic Electric Company. (See Quayle, Frederick R., assignor.)
- Automatic Electric Company. (See Rogers, Clarence E., assignor.)
- Automatic Electric Company. (See Schwartz, Michael, assignor.)
- Automatic Electric Company. (See Smith, Arthur B., assignor.)
- Automatic Electric Company. See Stolp, Samuel S., assignor.)
- Automatic Electric Company. (See Willis, Bernard D., assignor.)
- Automatic Electric Company. (See Yanochowski and Hershey, assignors.)
- Automatic Electric Washer Company. (See Ogg, Harry L., assignor.)
- Automatic Enunciator Company. (See Comer, John J., assignor.)
- Automatic Fire Protection Company. (See Nolen, James G., assignor.)
- Automatic Justifier Company. (See Dietrich, William, assignor.) (Reissue.)
- Automatic Machine Manufacturing Co. (See Melchert, Charles A., assignor.)
- Automatic Nut Cracker Company, The. (See Burkhardt, Frank J., assignor.)
- Automatic Package Scale Company, The. (See Zanone Richard J., assignor.)
- Automatic Packing & Labeling Company. (See Gwinn, George W., assignor.)
- Automatic Packing & Labeling Company. (See Leary, James W., assignor.)
- Automatic Pump Corporation. (See Harris, William A., assignor.)
- Automatic Railroad Appliances Co. (See Lawn and Ryan, assignors.)
- Automatic Recording Safe Company, The. (See Stanton, Henry L., assignor.)
- Automatic Registering Machine Corporation. (See Lausterer, William J., assignor.)
- Automatic Search Light Company. (See Wogenstahl, Leo J., assignor.)
- Automatic Shaft Coupling Co. (See Cathcart, Frank H., assignor.)
- Automatic Sprinkler Company of America. (See Hamilton, John R., assignor.)
- Automatic Sprinkler Company of Canada. (See Chandler, Elmo M., assignor.)
- Automatic Tool Supply Co. (See Jacoby, William, assignor.)
- Automatic Train Control & Signal Co. (See Thurber, Guy P., assignor.)
- Automatic Train Control & Signal Company. (See Gray, Gardner B., assignor.)
- Automatic Transportation Company, The. (See Carr, William C., assignor.)
- Automatic Utilities Co. (See Eddy, Kenneth L., assignor.)
- Autometrograph Részvénytársaság. (See Kolar, Nándor, assignor.)
- Autopiano Company. (See La Jole, Herbert J., assignor.)
- Autopiano Company. (See Watson, William A., assignor.)
- Autopress Company, The. (See Freeman, Rufus A., assignor.)
- Autosales Gum and Chocolate Company. (See Bridges, Charles E., assignor.)
- Autosales Gum and Chocolate Company. (See Grover, Albert D., assignor.)
- Autosales Gum and Chocolate Company. (See Hofheimer, Maurice, assignor.)
- Autosales Gum and Chocolate Company. (See Patterson, James W., assignor.)
- Autosales Gum and Chocolate Company. (See Webster, John A., assignor.)
- Autry, Lemual A. and B. Regan, Franklin, Tex. Rail-joint. No. 1,241,901; Oct. 2; v. 243; p. 139.
- Avail, Troy E., Baltimore, Md. Wheel-tire. No. 1,235,093; July 31; v. 240; p. 1294.
- Auxiliary Cooler Company, The. (See Langdon, Jesse D., assignor.)
- Avedisian, Charles S., and J. J. Dwyer, Dorchester, Mass. Kitchenette. No. 1,244,407; Oct. 23; v. 243; p. 1023.
- Averill, Bradley R., Greens Farms, Conn. Carrier. No. 1,218,920; Mar. 13; v. 236; p. 399.
- Averill, Charles C., Trees, La. Making lampblack and hydrochloric acid. No. 1,238,734; Sept. 4; v. 242; p. 5.
- Averill, Rex G., assignor to The Ohio Brass Company, Mansfield, Ohio. Electric coupling. No. 1,237,857; Aug. 21; v. 241; p. 817.
- Avers, Franklin H., Portage, Wis. Motion-picture camera. No. 1,245,856; Nov. 6; v. 244; p. 217.
- Avery, Charles E., Trenton, N. J., assignor to Manhattan Electrical Supply Company, New York, N. Y. Electric battery. No. 1,236,135; Aug. 7; v. 241; p. 194.
- Avery, Clayton L., Tecumseh, Mich. Oilier for crank-pins. No. 1,212,602; Jan. 16; v. 234; p. 334.
- Avery Company. (See Bartholomew, John B., assignor.)
- Avery Company. (See Phelps, Leonard A., assignor.)
- Avery, Courtney C. (See Underhill and Avery.)
- Avery, Henry C. (See Hamilton, Walter L., assignor.)
- Avery, Henry W., and W. S. Judd, Cleveland, Ohio. Forming bilge-barrels. No. 1,216,396; Feb. 20; v. 235; p. 765.
- Avery, Louis A. (See Nichols, William A., assignor.)
- Avery, True M., assignor to Arrow-Grip Manufacturing Company, Glens Falls, N. Y. Coupling-link. No. 1,246,520; Nov. 13; v. 244; p. 443.
- Avilla, Philip, San Francisco, Cal. Internal-combustion engine. No. 1,212,810; Jan. 16; v. 234; p. 731.
- Avillar, Manuel D. (See Doyle and Avillar.)
- Avillar, Manuel D., New York, N. Y. Hair-pin. No. 1,245,173; Nov. 6; v. 244; p. 9.
- Avis, Samuel W., assignor to The Merrow Machine Company, Hartford, Conn. Overseaming-machine. No. 1,217,896; Mar. 6; v. 236; p. 3.
- Avis, Samuel W., assignor to The Merrow Machine Company, Hartford, Conn. Overseaming-machine. No. 1,229,015; June 5; v. 239; p. 216.
- Avis, Samuel W., assignor to The Merrow Machine Company, Hartford, Conn. Sewing-machine. No. 1,243,242; Oct. 16; v. 243; p. 636.
- Avis, Samuel W., assignor to The Merrow Machine Company, Hartford, Conn. Guide for sewing-machines. No. 1,245,306; Nov. 6; v. 244; p. 49.
- Avram, Mois H., assignor to Slocum, Avram & Slocum, Inc., New York, N. Y. Paper chart. No. 1,234,852; July 31; v. 240; p. 1217.
- Avram, Mois H., New York, N. Y., assignor to Standard Silica Brick Machinery Company, Wilmington, Del. Brick-press. No. 1,239,072; Sept. 4; v. 242; p. 112.
- Avrin, Abraham, Montreal, Quebec, Canada. Recording system and apparatus. No. 1,210,752; Jan. 2; v. 234; p. 128.
- Axe, Roy T., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Window-sash and holder. No. 1,248,785; Dec. 4; v. 245; p. 106.
- Axelmann, Mayer, Chicago, Ill. Traveling-bag. No. 1,214,876; Feb. 6; v. 235; p. 136.
- Axelsson, Charl, assignor of thirty-five one-hundredths to W. F. Prehall, Lakeville, Minn. Releasing device. No. 1,221,651; Apr. 3; v. 237; p. 224.
- Axen, John L., Detroit, Mich. Electric meter. No. 1,247,613; Nov. 27; v. 244; p. 826.
- Axford, Edward, Germantown, Pa. Device for use in finishing union-suits. No. 1,222,713; Apr. 17; v. 237; p. 673.
- Axtell, Clinton J., Schenectady, N. Y., assignor to General Electric Company. Control system for railway air-compressors. No. 1,213,815; Jan. 30; v. 234; p. 1317.
- Axtell, Cyrus F., assignor of one-half to O. P. Amend, New York, N. Y. Lubricant. No. 1,226,165; May 15; v. 238; p. 800.
- Axtell, John D., La Jolla, Cal. Automobile-bed. No. 1,210,583; Jan. 2; v. 234; p. 71.
- Axtell, Manly E., Vicksburg, Mich. Sign-board. No. 1,227,989; May 29; v. 238; p. 1482.
- Axworthy, William G., Montclair, N. J. Distributing-case. No. 1,218,971; Mar. 13; v. 236; p. 416.

- Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Can-filling machine. No. 1,217,884; Feb. 27; v. 235; p. 1321.
- Ayars, Charles H., assignor to Ayars Machine Co., Salem, N. J. Measuring and filling machine. No. 1,232,172; July 3; v. 240; p. 214.
- Ayars Machine Co. (See Ayars, Charles H., assignor.)
- Aycock, William E., Moultrie, Ga. Pencil-guide. No. 1,211,038; Jan. 2; v. 234; p. 229.
- Ayer, George A., assignor to West Boylston Manufacturing Co., Easthampton, Mass. Cloth-testing machine. No. 1,231,231; June 26; v. 239; p. 1081.
- Ayers, Andrew J., East Northfield, Mass. Combined match-striker and check-holder. No. 1,247,614; Nov. 27; v. 244; p. 827.
- Ayers, Augustine R., assignor to W. P. Murphy, Chicago, Ill. Device for checking the tendency of train-pipes to shift longitudinally. No. 1,211,039; Jan. 2; v. 234; p. 229.
- Ayers, Clarence W., *et al.* (See Pouchan, Germain, assignor.)
- Ayerst, Harry C., assignor to Sanitary Pulp Products Company, Seattle, Wash. Molding-machine. No. 1,247,066; Nov. 20; v. 244; p. 638.
- Ayler, Frank, Winona, Wash. Vehicle-brake. No. 1,238,377; Aug. 28; v. 241; p. 1019.
- Ayling, John, Vancouver, assignor of one-half to W. J. Carmichael, Ladysmith, British Columbia, Canada. Water-beater. No. 1,227,566; May 29; v. 238; p. 1336.
- Ayling, Robert W., West New York, N. J. Wrench. No. 1,215,896; Feb. 13; v. 235; p. 533.
- Aylsworth, Adelaide M., *et al.*, executors. (See Aylsworth, Jonas W.)
- Aylsworth, Jonas W., deceased, East Orange, N. J.; A. M. Aylsworth and The Savings Investment and Trust Company of East Orange, executors. Production of phenol and other substances. No. 1,213,142; Jan. 23; v. 234; p. 1054.
- Aylsworth, Jonas W., deceased, East Orange, N. J.; A. M. Aylsworth and The Savings Investment and Trust Company of East Orange, executors. Apparatus for organic chemical reactions. No. 1,213,143; Jan. 23; v. 234; p. 1055.
- Aylsworth, Jonas W., East Orange, assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Making phonograph-records. No. 1,230,816; June 19; v. 239; p. 901.
- Aylsworth, Jonas W., East Orange, assignor to Condensite Company of America, Bloomfield, N. J. Process and apparatus for fractional distillation and condensation. No. 1,250,760; Dec. 18; v. 245; p. 750.
- Aylwin, Francis P., London, England. Apparatus for firing or discharging explosive projectiles. No. 1,234,603; July 24; v. 240; p. 1108.
- Aylwin, Francis P., London, England. Portable house. No. 1,250,415; Dec. 18; v. 245; p. 648.
- Aymard, F. L. A. (See Tainton and Aymard.)
- Ayres, Charles S., Cleveland, Ohio. Registering mechanism. No. 1,227,567; May 29; v. 238; p. 1337.
- Ayres, Edwin B., *et al.* (See Stanley, Joseph, assignor.)
- Ayres, Ernest R., Hutchinson, assignor of one-half to M. R. Benson, Harper, Kans. String-holding means for pianos and the like. No. 1,211,658; Jan. 9; v. 234; p. 472.
- Ayres, Eugene E., Jr., Chester, assignor to The Sharples Specialty Company, West Chester, Pa. Process whereby neutral oils can be profitably recovered from their "foots" or soap-stock. No. 1,247,782; Nov. 27; v. 244; p. 879.
- Ayres, Levi P. (See Johnson and Ayres.)
- Aze, Emile, assignor of one-fourth to S. Swanson and one-fourth to A. T. Larsen, Minneapolis, Minn. Gas-engine. No. 1,214,407; Jan. 30; v. 234; p. 1522.
- Azulay Syndicate Limited, The. (See Dew, James W. H., assignor.)
- B. Jahn Manufacturing Company, The. (See Jahn, Berthold, assignor.)
- B. Jahn Manufacturing Company, The. (See Jahn and Hammer, assignors.)
- B. A. Ballou and Company. (See Goozey, Charles A., assignor.)
- B. & B. Mfg. Co., The. (See Ballentine, William I., assignor.)
- B. C. M'fg Co. (See Vaughan, Thomas M., assignor.)
- B. F. Avery & Sons. (See Holsclaw, Charles, assignor.)
- B. F. Avery & Sons. (See Ray, Charles T., assignor.)
- B. F. Goodrich Company, The. (See Evans, Charles R., assignor.)
- B. F. Goodrich Company, The. (See Gammeter, John R., assignor.)
- B. F. Goodrich Company, The. (See Geer, William C., assignor.)
- B. F. Goodrich Company, The. (See Hoffman, Harry A., assignor.)
- B. F. Goodrich Company, The. (See Kempel, Arthur B., assignor.)
- B. F. Goodrich Company, The. (See Raber, Nelson E., assignor.)
- B. F. Goodrich Company, The. (See Shaw, Edwin C., assignor.)
- B. F. Goodrich Company, The. (See Tew, James D., assignor.)
- B. F. Goodrich Company, The, *et al.* (See Wagenhorst, James H., assignor.)
- B. F. Perkins & Son. (See Hamilton, Walter L., assignor.)
- B. F. Sturtevant Company. (See Allen, George W., assignor.)
- B. F. Sturtevant Company. (See Bergstrom, Carl O., assignor.)
- B. J. Johnson Soap Co. (See Hatch, William F., assignor.)
- B. M. Jones & Co. (See Poore and Pearsons, assignors.)
- B. & O. Libergs Fabriksaktiebolag. (See Jensen, Anders P., assignor.)
- B. S. Barnard and Company. (See Blumenthal, Maurice, assignor.)
- Baade, Andrew N., San Anselmo, Cal. Rotary pump. No. 1,237,273; Aug. 21; v. 241; p. 630.
- Baake, William, West Hoboken, N. J. Trousers-supporter. No. 1,243,680; Oct. 23; v. 243; p. 799.
- Baar, Peter, Chicago, Ill. Window-ventilator. No. 1,233,436; July 17; v. 240; p. 694.
- Baash, Lawrence F., Fillmore, assignor of one-half to Tay-Pike Company, Los Angeles, Cal. Two-prong compound fishing-tool. No. 1,213,574; Jan. 23; v. 234; p. 1206.
- Babbitt, Ralph M., assignor to Kalamazoo Stove Company, Kalamazoo, Mich. Stove-top. No. 1,218,972; Mar. 13; v. 236; p. 417.
- Babcock, Allen H., Berkeley, Cal. Headlight-dimmer. No. 1,219,066; Mar. 13; v. 236; p. 448.
- Babcock, Charles S. (See Leighton and Babcock.)
- Babcock, Chester I. (See Nielsen and Babcock.)
- Babcock, Clifford D., assignor of one-half to J. Neilson, New York, N. Y. Ionized-chamber device. No. 1,222,916; Apr. 17; v. 237; p. 742.
- Babcock, Ellisha W., assignor of one-half to J. E. Kitchen, Lorain, Ohio. Artificial leg. No. 1,232,173; July 3; v. 240; p. 214.
- Babcock, Fay L., Waterford, N. Y. Agricultural machine. No. 1,235,413; July 31; v. 240; p. 1389.
- Babcock, Garrison, Chicago, Ill., assignor to Telechronometer Company, Rochester, N. Y. Telephone-exchange system. No. 1,230,835; June 26; v. 239; p. 947.
- Babcock, Guilford C., Evanston, Ill., assignor to Wire-bounds Patents Company, Kittery, Me. Box. No. 1,240,296; Sept. 18; v. 242; p. 566.
- Babcock, Guilford C., Evanston, Ill., assignor to Wire-bounds Patents Company, Kittery, Me. Box. No. 1,240,297; Sept. 18; v. 242; p. 566.
- Babcock, Henry W., Onarga, Ill. Dental process. No. 1,248,242; Nov. 27; v. 244; p. 1007.
- Babcock, Oliver M., Chicago, Ill., assignor to Wirebounds Patents Company, Kittery, Me. Box. No. 1,247,359; Nov. 20; v. 244; p. 722.
- Babcock & Wilcox Co., The. (See Sargent and Heaton, assignors.)
- Babcock & Wilcox Company, The. (See Bell, John E., assignor.)
- Babcock & Wilcox Company, The. (See Harter, Isaac, Jr., assignor.)
- Babcock & Wilcox Company, The. (See Heaton, Herman C., assignor.)
- Babcock & Wilcox Company, The. (See Hoxie, William D., assignor.)
- Babcock & Wilcox Company, The. (See Jacobus, David S., assignor.)
- Babcock Wilcox Company, The. (See Jones, William A., assignor.)
- Babcock & Wilcox Company, The. (See Prentice, John, assignor.)
- Babcock & Wilcox Company, The. (See Stillman, Thomas B., Jr., assignor.)
- Babich, George G., New York, N. Y. Ship-protecting device. No. 1,241,902; Oct. 2; v. 243; p. 139.
- Babikian, Haig M., East Syracuse, N. Y. Pressure-gage. No. 1,233,297; July 17; v. 240; p. 647.
- Babin, Telesphore, Houma, La. Acetylene-gas generator. No. 1,225,559; May 8; v. 238; p. 551.
- Babson, Roger W., Wellesley Hills, Mass. Type-writer key-striker or hand extension. No. 1,242,307; Oct. 9; v. 243; p. 307.
- Bach, Frederick, and H. Silverman, New York, N. Y. Cover. No. 1,231,553; July 3; v. 240; p. 4.
- Bach, James C., San Francisco, Cal. Toilet-seat attachment. No. 1,233,263; July 10; v. 240; p. 600.
- Bach, Wilhelmina, Webster Groves, Mo. Hosiery-supporter. No. 1,248,436; Dec. 4; v. 245; p. 3.
- Bachardy, Stephen J., and J. Kiss, Newark, N. J. Money-paying attachment for cash-registers. No. 1,223,354; Apr. 24; v. 237; p. 924.
- Bache, Leigh S., Middlesex borough, assignor to Bound Brook Oil-Less Bearing Company, Boundbrook, N. J. Antifriction-bearing. No. 1,234,853; July 31; v. 240; p. 1217.
- Bache, Leigh S., Boundbrook, N. J., assignor to Bound Brook Oil-Less Bearing Company, Boundbrook, N. J. Saddle for spinning-frames. No. 1,242,758; Oct. 9; v. 243; p. 451.
- Bache, Leigh S., assignor to Bound Brook Oil-Less Bearing Company, Boundbrook, N. J. Top-roll saddle. No. 1,246,841; Nov. 20; v. 244; p. 573.
- Bache, Leigh S., deceased; M. S. Bache, executrix, assignor to Bound Brook Oil-Less Bearing Company, Boundbrook, N. J. Self-lubricating valve-face. No. 1,234,715; July 31; v. 240; p. 1177.
- Bache, Mabel S., executrix. (See Bache, Leigh S.)

Alphabetical list of patentees—Continued.

- Bache, Otto, and C. Berg, San Francisco, Cal. Scraper for boiler hand-holes. No. 1,239,754; Sept. 11; v. 242; p. 358.
- Bache-Wiig, Carl, Portland, Me. Preparing sulfate cellulose. No. 1,240,920; Sept. 25; v. 242; p. 793.
- Bachelder, David S., assignor of one-half to J. Connor, Tilden, Ill. Coal-drill. No. 1,251,323; Dec. 25; v. 245; p. 966.
- Bachelet, Emile, Mount Vernon, N. Y. Electromagnetic engine. No. 1,232,174; July 3; v. 240; p. 215.
- Bacheller, Edward F., and J. H. Stewart, Lynn, Mass. Machine for marking golf-balls. No. 1,228,736; June 5; v. 239; p. 123.
- Bachler, Frederick R., Oxnard, and W. B. Newkirk, Los Angeles, assignors of one-third to A. T. Gibson, Oxnard, Cal. Treating liquids. No. 1,244,012; Oct. 23; v. 243; p. 905.
- Bachman, Frank P., Akron, Ohio. Amusement or exercising device. No. 1,248,056; Nov. 27; v. 244; p. 954.
- Bachman, John N., Slatington, and M. L. Bachman, Walnutoport, Pa. Composition of matter for cleaning or polishing blackboards or the like. No. 1,223,846; Apr. 24; v. 237; p. 1098.
- Bachman, Joseph A. (See Stephens, Charles D., assignor.)
- Bachman, Joseph P., Newark, N. J. Dough-mixing machine. No. 1,217,082; Feb. 20; v. 235; p. 997.
- Bachman, Joseph P., Newark, N. J. Device for testing the spreading value of baking materials. No. 1,222,590; Apr. 17; v. 237; p. 630.
- Bachman, Morris L. (See Bachman, John N. and M. L.)
- Bachmann, Alwin B., Cincinnati, Ohio. Educational modeling device. No. 1,226,049; May 15; v. 238; p. 760.
- Bachmann, Paul I., Oak Park, Ill., assignor of one-fifth to H. C. Schaefer, Appleton, Mo. Dish-holder. No. 1,213,059; Jan. 16; v. 234; p. 992.
- Bachmann, Siegmund, Chicago, Ill. Box. No. 1,218,353; Mar. 6; v. 236; p. 162.
- Bacho, Frederick W., Biloxi, Miss. Farm-gate. No. 1,224,353; May 1; v. 238; p. 86.
- Bachwitz, Arnold, Vienna, Austria. Device for the delivery of single sheets of paper from a stack. No. 1,248,786; Dec. 4; v. 245; p. 106.
- Bacik, Stefan, Sykesville, Pa. Stove-lid lifter. No. 1,245,174; Nov. 6; v. 244; p. 9.
- Back, Arthur D., Juneau, Alaska. Bag-holder. (Reissue.) No. 14,279; Apr. 3; v. 237; p. 283.
- Backer, Elmer F., assignor to Davenport Locomotive Works, Davenport, Iowa. Truck for articulated geared locomotives. No. 1,242,308; Oct. 9; v. 243; p. 307.
- Backert, John C., Brooklyn, N. Y. Cutting-machine. No. 1,220,390; Mar. 27; v. 236; p. 978.
- Backerud, Martin B., San Francisco, Cal. Picture-hanger. No. 1,242,309; Oct. 9; v. 243; p. 307.
- Backlund, Josef A., Brooklyn, N. Y. Harrow. No. 1,213,998; Jan. 30; v. 234; p. 1380.
- Backlund, William O., Stromsburg, Nebr. Checkrein attachment. No. 1,245,175; Nov. 6; v. 244; p. 10.
- Backmyer, Christopher F., Chicago, Ill. Garment-fastener. No. 1,216,262; Feb. 20; v. 235; p. 716.
- Backmyer, Christopher F., Chicago, Ill. Garment-fastener. No. 1,216,263; Feb. 20; v. 235; p. 717.
- Backo, Petar, Farrell, Pa. Rail-joint. No. 1,210,896; Jan. 2; v. 234; p. 5.
- Backscheider, Frank J., Cincinnati, Ohio. Power-driven tool. No. 1,216,047; Feb. 13; v. 235; p. 589.
- Backscheider, Frank J., Cincinnati, Ohio. Power-driven tool. No. 1,218,236; Mar. 6; v. 236; p. 122.
- Backscheider, Frank J., Cincinnati, Ohio. Automatic power cut-off. No. 1,229,570; June 12; v. 239; p. 453.
- Backscheider, Frank J., Cincinnati, Ohio. Electrical switch. No. 1,248,787; Dec. 4; v. 245; p. 107.
- Backstrom, Charles A., Crafton, assignor to Pittsburg Water Heater Company, Pittsburg, Pa. Water-heater. No. 1,217,133; Feb. 27; v. 235; p. 1062.
- Backstrom, Charles A., Crafton, assignor to Pittsburg Water Heater Company, Pittsburg, Pa. Water-heater construction. No. 1,246,521; Nov. 13; v. 244; p. 443.
- Backstrom, Charles A., Crafton, Pa., assignor to Pittsburg Water Heater Company, Burner. No. 1,246,522; Nov. 13; v. 244; p. 443.
- Backstrom, Charles A., Crafton, Pa., assignor to Pittsburg Water Heater Company. Water-heater. No. 1,246,523; Nov. 13; v. 244; p. 444.
- Backus, George S., Leadville, Colo., assignor to F. W. Braun, Los Angeles, Cal. Sampler. No. 1,238,058; Aug. 21; v. 241; p. 881.
- Backus, John C., Smethport, Pa. Selective gear-shifting mechanism. No. 1,223,656; Apr. 24; v. 237; p. 1031.
- Backus, John C., Smethport, Pa. Automobile-headlight. No. 1,223,657; Apr. 24; v. 237; p. 1031.
- Bacon, Albert E. (See Sharp and Bacon.)
- Bacon, Byron R., North Chill, assignor of one-half to W. J. Burden, Rochester, N. Y. Bread-knife. No. 1,227,234; May 22; v. 238; p. 1199.
- Bacon, Chester A., assignor to G. W. Bowen, Auburn, N. Y. Lubricant-cup. No. 1,251,167; Dec. 25; v. 245; p. 921.
- Bacon, Ebenezer S. (See Seivigny, Edward C., assignor.)
- Bacon, Geo. M., et al., executors. (See Baum, Jacob.)
- Bacon, George M., Salt Lake City, Utah. Electric time-switch. No. 1,224,887; May 8; v. 238; p. 323.
- Bacon, George M., Salt Lake City, Utah. Adjustable automatic cut-off valve and signal. No. 1,230,981; June 26; v. 239; p. 997.
- Bacon, George M., Salt Lake City, Utah. Tank outlet-valve. No. 1,238,622; Aug. 28; v. 241; p. 1098.
- Bacon, Hugh, Jonesboro, Tenn. Mail-delivering apparatus. No. 1,216,264; Feb. 20; v. 235; p. 717.
- Bacon, Levi S., Washington, D. C. Antiskidding device. No. 1,237,274; Aug. 21; v. 241; p. 631.
- Bacon, Malcolm, Eagle Rock, Cal. Scrubbing device. No. 1,223,658; Apr. 24; v. 237; p. 1032.
- Bacon, Raymond F., Pittsburgh, Pa., assignor to Metals Research Company, New York, N. Y. Production of hydrogen sulfid. No. 1,235,953; Aug. 7; v. 241; p. 139.
- Bacon, Raymond F., Pittsburgh, Pa., assignor to Metals Recovery Company, New York, N. Y. Flotation of ores. No. 1,235,954; Aug. 7; v. 241; p. 139.
- Bacon, Raymond F., Pittsburgh, Pa., assignor, by mesne assignments, to Metals Research Company, New York, N. Y. Reducing sulfids. No. 1,243,681; Oct. 23; v. 243; p. 799.
- Bacon, Raymond F., B. T. Brooks, and H. Clark, assignors to Gulf Refining Company, Pittsburgh, Pa. Manufacture of carbon-black and hydrogen. No. 1,220,391; Mar. 27; v. 236; p. 978.
- Bacon, Robert H., Los Angeles, Cal. Eye-shade. No. 1,213,447; Jan. 23; v. 234; p. 1162.
- Bacon, Samuel V., Akron, Ohio. Plastic tie. No. 1,239,073; Sept. 4; v. 242; p. 113.
- Bacon, Vaughan R., Florence, Nebr. Coin-controlled circuit-controller. No. 1,244,408; Oct. 23; v. 243; p. 1024.
- Bacon, William M., St. Louis, Mo., assignor to Hamilton-Bacon Sign Company, Chicago, Ill. Printing-machine. No. 1,220,585; Mar. 27; v. 236; p. 1046.
- Bacon, William S., Macomb, Ill., and W. C. MacCarty, Rochester, Minn. Washbasin. No. 1,232,419; July 3; v. 240; p. 292.
- Badanes, Bernard, New York, N. Y. Receiver-support for telephones. No. 1,226,166; May 15; v. 238; p. 800.
- Badeau, Harry U., assignor to The Bryant Electric Company, Bridgeport, Conn. Face-plate for flush receptacles. No. 1,221,652; Apr. 3; v. 237; p. 225.
- Badenhausen, John P., Philadelphia, Pa. Drying-roll. No. 1,215,236; Feb. 6; v. 235; p. 262.
- Bader, Gustav A., Rochester, N. Y. Eyeglass-mounting. No. 1,219,422; Mar. 20; v. 236; p. 600.
- Bader, Gustav A., Rochester, N. Y. Strop or sharpener for razors or the like. No. 1,244,279; Oct. 23; v. 243; p. 986.
- Bader, Gustav A., Rochester, and C. W. Howland, assignors to The Standard Optical Company, Geneva, N. Y. Lens-drilling machine. No. 1,218,041; Mar. 6; v. 236; p. 53.
- Bader, Herbert D., and J. C. Wassell, assignors to Simmons Hardware Company, St. Louis, Mo. Pack-saddle. No. 1,239,755; Sept. 11; v. 242; p. 359.
- Bader, Herbert D., and J. C. Wassell, assignors to Simmons Hardware Company, St. Louis, Mo. Pack-saddle. No. 1,239,756; Sept. 11; v. 242; p. 359.
- Badger Basket & Veneer Co. (See Wegwart, Herman, assignor.)
- Badger Brass Mfg. Co., The. (See Welles, Richard H., assignor.)
- Badger-Packard Machinery Co. (See Downey, Richard F., assignor.)
- Badger Steel Roofing & Corrugating Company. (See Rysdon, Charles C., assignor.)
- Badgley, Hugh B., et al. (See Landreth, Harry, assignor.)
- Badische Anilin & Soda Fabrik. (See Bally and Wolff, assignors.)
- Badische Anilin & Soda Fabrik. (See Bosch, Carl, assignor.)
- Badische Anilin & Soda Fabrik. (See Bosch and Mittasch, assignors.)
- Badische Anilin & Soda Fabrik. (See Bosch, Mittasch, and Schneider, assignors.)
- Badische Anilin & Soda Fabrik. (See Immerheiser, Carl, assignor.)
- Badische Anilin & Soda Fabrik. (See Immerheiser and Beyer, assignors.)
- Badische Anilin & Soda Fabrik. (See Kárdos, Michael, assignor.)
- Badische Anilin & Soda Fabrik. (See Lüttringhaus and Koch, assignors.)
- Badische Anilin & Soda Fabrik. (See Mittasch, Schneider, and Morawitz, assignors.)
- Badische Anilin & Soda Fabrik. (See Münch, Eduard, assignor.)
- Badische Anilin & Soda Fabrik. (See Nawiasky, Paul, assignor.)
- Badische Anilin & Soda Fabrik. (See Schmidt, Hochschwender, and Elchler, assignors.)
- Badische Anilin & Soda Fabrik. (See Schmidt, Otto, assignor.)
- Badische Anilin & Soda Fabrik. (See Schmidt and Blankenhorn, assignors.)
- Badische Anilin & Soda Fabrik. (See Stiasny, Edmund, assignor.)
- Badley, Drury E., Sulphur Springs, Tex. Pulling implement. No. 1,237,149; Aug. 14; v. 241; p. 553.
- Badour, Louis S., Pomona, Cal. Honey-section. No. 1,237,741; Aug. 21; v. 241; p. 783.

- Baechle, Edward J., *et al.* (See Bosnyakovits, Joseph, assignor.)
- Baechtel, Warren M., Hagerstown, Md. Rotary brush. No. 1,236,249; Aug. 7; v. 241; p. 232.
- Baechtel, Warren M., Hagerstown, Md. Smoking-pipe. No. 1,241,462; Sept. 25; v. 242; p. 961.
- Baech, Eugene C., Irvington, N. Y. Wall-paper machine. No. 1,250,761; Dec. 18; v. 245; p. 750.
- Baehr, George, McKeesport, Pa., assignor to Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,222,714; Apr. 17; v. 237; p. 674.
- Baekeland, Leo H., Yonkers, assignor to General Bakelite Company, New York, N. Y. Organic insulating composition. No. 1,213,144; Jan. 23; v. 234; p. 1055.
- Baekeland, Leo H., Yonkers, assignor to General Bakelite Company, New York, N. Y. Impregnated coil and making the same. No. 1,213,726; Jan. 23; v. 234; p. 1257.
- Baekeland, Leo H., Yonkers, assignor to General Bakelite Company, New York, N. Y. Insulating composition. No. 1,216,265; Feb. 20; v. 235; p. 717.
- Baekeland, Leo H., Yonkers, assignor to General Bakelite Company, New York, N. Y. Insulating composition. No. 1,216,266; Feb. 20; v. 235; p. 717.
- Baekeland, Leo H., Yonkers, assignor to General Bakelite Company, New York, N. Y. Matrix. No. 1,233,298; July 17; v. 240; p. 648.
- Baekeland, Leo H., Yonkers, and A. H. Gotthelf, Hastings-upon-Hudson, N. Y. Phenolic condensation product and making same. No. 1,217,115; Feb. 20; v. 235; p. 1010.
- Baenninger, Juan, Quilmes, Buenos Aires, Argentina, assignor to Barry-Wehmiller Machinery Company. Bottle-washing machine. No. 1,232,175; July 3; v. 240; p. 215.
- Baer, Berthold A., Philadelphia, Pa. Water-cooler. No. 1,250,941; Dec. 25; v. 245; p. 855.
- Baer, Edward, New York, N. Y. Cooling device. No. 1,218,827; Mar. 13; v. 236; p. 367.
- Baer, Erwin S. (See Emig, William E., assignor.)
- Baer, L. G. (See Stevenson, Edward E., assignor.)
- Baer, Walter C., Toledo, Ohio, assignor of one-half to F. A. Rauch, Chicago, Ill. Tractor. No. 1,234,604; July 24; v. 240; p. 1108.
- Baerman, Ludwig A., assignor of one-half to W. B. Bolles, Milwaukee, Wis. Gun-support. No. 1,233,638; July 17; v. 240; p. 763.
- Baganz, Louisa, New York, N. Y. Clothes fastener and protector. No. 1,228,870; June 5; v. 239; p. 170.
- Bagby, Brooke C., Portsmouth, Va. Picture-hanger. No. 1,217,680; Feb. 27; v. 235; p. 1254.
- Bagby, Milton M., Denver, Colo. Window lock and lifter. No. 1,229,016; June 5; v. 239; p. 216.
- Bagby, Robert T., Mascot, Tenn. Form for concrete work. No. 1,235,542; Aug. 7; v. 241; p. 3.
- Bager, Frederic E., Kenosha, Wis., assignor to F. C. Austin, Chicago, Ill. Steering-gear mechanism. No. 1,233,299; July 17; v. 240; p. 648.
- Bager, Frederic E., Kenosha, Wis., assignor to F. C. Austin, Chicago, Ill. Bank-support for ditches. No. 1,234,716; July 31; v. 240; p. 1177.
- Bager, Frederic E., Kenosha, Wis., assignor to F. C. Austin, Chicago, Ill. Multiple-wheel trench-machine. No. 1,246,524; Nov. 13; v. 244; p. 444.
- Bager, Frederic E., Winthrop Harbor, assignor to F. C. Austin, Chicago, Ill. Traction device. No. 1,238,079; Aug. 28; v. 241; p. 921.
- Bager, Svante R. W. M. (See Morison, Bager, and Kaeser.)
- Bagley, Donald. (See Feilmann, Bagley, and Smith.)
- Bagley, Peter, Farnsworth, England. Umbrella. No. 1,239,757; Sept. 11; v. 242; p. 359.
- Bagnall, Arthur G., and J. A. Taylor, Cleveland, Ohio. Floor construction. No. 1,235,636; Aug. 7; v. 241; p. 35.
- Bagnall, Arthur G., and J. A. Taylor, assignors to C. H. Parkin, Cleveland, Ohio. Coating surfaces. No. 1,239,074; Sept. 4; v. 242; p. 113.
- Bagnall, Arthur G., and J. A. Taylor, assignors to C. H. Parkin, Cleveland, Ohio. Nozzle for applying adhesive coating material. No. 1,239,075; Sept. 4; v. 242; p. 113.
- Bagshaw, Charles M. (See Mills and Bagshaw.)
- Bagutti, Antonio, Turin, Italy. Vibratory bell. No. 1,244,013; Oct. 23; v. 243; p. 906.
- Badde, Carl H. A., Milwaukee, Wis. Safety burglar-alarm lock for windows. No. 1,237,993; Aug. 21; v. 241; p. 861.
- Bahr, Amel F., O. B., and W. F., Marion, Ind. Pulping machinery. No. 1,233,164; July 10; v. 240; p. 570.
- Bahr, Otto B. (See Bahr, Amel F., O. B., and W. F.)
- Bahr, Paul, Chicago, Ill. Casket. No. 1,220,487; Mar. 27; v. 236; p. 1012.
- Bahr, William F. (See Bahr, Amel F., O. B., and W. F.)
- Bahrenburg, Oscar E., Marigold, Cal. Demountable rim. No. 1,242,310; Oct. 9; v. 243; p. 308.
- Bailey, Albert. (See Webb, James L. G., assignor.)
- Bailey, Anna D., New York, N. Y. Adjustable dress-form. No. 1,225,207; May 8; v. 238; p. 431.
- Bailey, Archibald, Jr., Milwaukee, Wis. Non-glare head-light-deflector. No. 1,241,074; Sept. 25; v. 242; p. 839.
- Bailey, Arthur L., Jamaica Plain, Mass. Gas-stove. No. 1,237,275; Aug. 21; v. 241; p. 63.
- Bailey, Bella P., Portland, Oreg. Combined baby hammock and swing. No. 1,225,208; May 8; v. 238; p. 431.
- Bailey, Benjamin F., Ann Arbor, Mich., J. M. Barr, O. S. More, and L. G. Long, assignors to Fairbanks-Morse Electrical Manufacturing Company, Indianapolis, Ind. Induction-motor. No. 1,216,397; Feb. 20; v. 235; p. 765.
- Bailey, Charles H. H. and W. H. H., Braintree, Mass. Distributing-machine. No. 1,219,067; Mar. 13; v. 236; p. 448.
- Bailey, Clinton B., *et al.* (See Walter, Ira D., assignor.)
- Bailey, Culberson C., and C. O. Putnam, Kalamazoo, Mich. Drier. No. 1,248,595; Dec. 4; v. 245; p. 50.
- Bailey, David D., Coffeyville, Kans. Necktie. No. 1,226,741; May 22; v. 238; p. 1029.
- Bailey, Ervin G., Newton, Mass., assignor to Bailey Meter Company. Pressure-ratio gage. No. 1,220,488; Mar. 27; v. 236; p. 1012.
- Bailey, Ervin G., Newton Highlands, Mass., assignor to Bailey Meter Company. Liquid-meter. No. 1,243,682; Oct. 23; v. 243; p. 800.
- Bailey, Ervin G., Newton Highlands, Mass., assignor to Bailey Meter Company. Liquid-meter. No. 1,243,683; Oct. 23; v. 243; p. 800.
- Bailey, Ervin G., Newton Highlands, Mass., assignor to Bailey Meter Company. Flow-meter. No. 1,248,057; Nov. 27; v. 244; p. 955.
- Bailey, Ervin G., Newton Highlands, Mass., assignor to Bailey Meter Company. Orifice-plate for flow-meters. No. 1,248,058; Nov. 27; v. 244; p. 955.
- Bailey, George, Fairfield, assignor to Robert N. Bassett Company, Incorporated, Shelton, Conn. Suitcase-hasp. No. 1,229,207; June 12; v. 239; p. 329.
- Bailey, George B. (See Frain and Bailey.)
- Bailey, Harrison R., Boston, Mass. Demountable wheel-rim. No. 1,236,250; Aug. 7; v. 241; p. 232.
- Bailey, Herbert J., Trenton, N. J. Music-leaf turner. No. 1,219,904; Mar. 20; v. 236; p. 768.
- Bailey, James A., and H. E. Kalusowski, Washington, D. C., assignors to Addressograph Co., Chicago, Ill. Stencil-sheet and bath for making same. No. 1,215,098; Feb. 6; v. 235; p. 216.
- Bailey, James A., and H. E. Kalusowski, Washington, D. C., assignors to Addressograph Co., Chicago, Ill. Preparing stencil emulsions. No. 1,231,554; July 3; v. 240; p. 4.
- Bailey, James G., Delavan, Ill. Roller. No. 1,211,811; Jan. 9; v. 234; p. 526.
- Bailey, James N., Stretford, assignor to The British Westinghouse Electric and Manufacturing Company, Limited, London, England. Turbine-control mechanism. No. 1,212,311; Jan. 16; v. 234; p. 732.
- Bailey, James N., Stretford, England, assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Fluid-pressure engine. No. 1,213,791; Jan. 23; v. 234; p. 1279.
- Bailey, John M., Hillsboro, Ill. Pinch-bar. No. 1,243,914; Oct. 23; v. 243; p. 876.
- Bailey, Joseph, Newark, assignor of one-half to H. A. Jaeger, Jersey City, N. J. Mechanical battle. No. 1,214,744; Feb. 6; v. 235; p. 92.
- Bailey, Joseph W., Augusta, Ga. Excavating apparatus. No. 1,217,552; Feb. 27; v. 235; p. 1208.
- Bailey, Lafayette B., Yolyn, W. Va. Combination track-bond and tie. No. 1,232,645; July 10; v. 240; p. 399.
- Bailey, Marcus B. (See Williams and Bailey.)
- Bailey, Marcus B., assignor of one-half to H. Munson, New York, N. Y. Reversible mat. No. 1,245,997; Nov. 6; v. 244; p. 254.
- Bailey Meter Company. (See Bailey, Ervin G., assignor.)
- Bailey, Paul J. (See Basinger, Frederick C., assignor.)
- Bailey, Percy S., West Lynn, Mass., assignor to General Electric Company. Lighting unit. No. 1,240,644; Sept. 18; v. 242; p. 672.
- Bailey, Ransom, Milwaukee, Wis. Smoke-preventer. No. 1,248,990; Dec. 4; v. 245; p. 163.
- Bailey, Ray, Granger, Wash. Self-closing rigging-hook. No. 1,248,596; Dec. 4; v. 245; p. 51.
- Bailey, Samuel R., Amesbury, Mass. Lock-joint for windshields. No. 1,214,260; Jan. 30; v. 234; p. 1470.
- Bailey, William H. H. (See Bailey, Charles H. H. and W. H. H.)
- Bailey, William J., Monrovia, Cal. Solar heater. No. 1,242,511; Oct. 9; v. 243; p. 371.
- Bailey, William K. (See Jenkins and Bailey.)
- Bailly, Marie V. (See Perreux-Lloyd, Marcel, assignor.)
- Baily, Thaddeus F., and F. T. Cope, assignors to The Electric Furnace Company, Alliance, Ohio. Terminal for electric furnaces. No. 1,218,042; Mar. 6; v. 236; p. 54.
- Baily, Thaddeus F., and F. T. Cope, assignors to The Electric Furnace Company, Alliance, Ohio. Heat-treating furnace. No. 1,227,027; May 22; v. 238; p. 1128.
- Baily, Thaddeus F., and F. T. Cope, assignors to The Electric Furnace Company, Alliance, Ohio. Continuous heat-treating apparatus. No. 1,234,257; July 24; v. 240; p. 996.
- Bain, Benjamin F. (See Bliss, Roy B., assignor.)
- Bain, Benjamin F., Pittsburgh, Pa. Folding box. No. 1,230,552; June 19; v. 239; p. 815.
- Bain, Benjamin F., Pittsburgh, Pa. Automatic toy. No. 1,244,455; Oct. 30; v. 243; p. 1075.
- Bain, Benjamin F., Pittsburgh, Pa. Mechanical toy. No. 1,244,456; Oct. 30; v. 243; p. 1075.

Alphabetical list of patentees—Continued.

- Bain, Benjamin F., Pittsburgh, Pa. Mechanical toy. No. 1,244,457; Oct. 30; v. 243; p. 1076.
- Bain, Forée. (See Purdy, Frederick, assignor.)
- Bain, Fred B. (See Williams, Bert C., assignors.)
- Bains, Thomas M., Jr. (See Fulton and Bains.)
- Bair, George R., and N. W. Greene, assignors of one-third to C. E. Jones, Columbus, Kans. Level. No. 1,239,336; Sept. 4; v. 242; p. 197.
- Bair, Joseph H., assignor to Speed Adding Machine Company, Philadelphia, Pa. Adding-machine. No. 1,210,753; Jan. 2; v. 234; p. 129.
- Baird, Archie M., Topeka, Kans. Pneumatic drill. No. 1,223,022; Apr. 17; v. 237; p. 779.
- Baird, Archie M., Topeka, Kans. Riveting-machine. No. 1,239,862; Sept. 11; v. 242; p. 394.
- Baird, Archie M., assignor to Baird Pneumatic Tool Company, Topeka, Kans. Pneumatic test-hole drill. No. 1,223,234; Apr. 17; v. 237; p. 850.
- Baird, Archie M., and H. D. Palmer; said Baird assignor to Baird Pneumatic Tool Company, Topeka, Kans. Valve. No. 1,211,040; Jan. 2; v. 234; p. 230.
- Baird, Edward P., Evanston, Ill. Locking device for motor-vehicles. No. 1,215,465; Feb. 13; v. 235; p. 376.
- Baird, Edward P., assignor to The King Lock Company, Chicago, Ill. Manufacture of locks. No. 1,240,530; Sept. 18; v. 242; p. 638.
- Baird, George H., Winnipeg, Manitoba, Canada. Voice-silencer. No. 1,227,363; May 22; v. 238; p. 1239.
- Baird, George W., Washington, D. C. Transom control. No. 1,230,264; June 19; v. 239; p. 719.
- Baird Motion Picture Co. (See Emory, Robert J., assignor.)
- Baird, Nellie E., Anness, Kans. Wind-shield. No. 1,250,762; Dec. 18; v. 245; p. 751.
- Baird-North Co. (See Stone, Clarence N., assignor.)
- Baird Pneumatic Tool Company. (See Baird, Archie M., assignor.)
- Baird Pneumatic Tool Company. (See Baird and Palmer, assignors.)
- Baird, Warren W., Pittsburgh, Pa. Ventilator for windows. No. 1,217,897; Mar. 6; v. 236; p. 4.
- Baird, William J., Paterson, N. J. Snow-guard. No. 1,230,363; June 19; v. 239; p. 752.
- Bairs, John, Argenta, Ark. Engine-speed regulator. No. 1,244,409; Oct. 23; v. 243; p. 1024.
- Baity, Delbert R., Melbourne, Victoria, Australia. Electric-light bulb and the fittings therein. No. 1,248,059; Nov. 27; v. 244; p. 955.
- Bajde, Ludwig, Leipzig-Gohlis, and G. K. Hennig, assignors to Firm of L. Hupfeld Aktiengesellschaft, Böhlitz-Ahrenberg, near Leipzig, Germany. Bow for pianoviolins. No. 1,228,737; June 5; v. 239; p. 124.
- Bajett, Louis, Plainfield, N. J. Belt-tightener and brake for sponging-machines. No. 1,226,297; May 15; v. 238; p. 848.
- Baker, Andrew J., Fort Wayne, Ind. Dry-spray gun. No. 1,226,443; May 15; v. 238; p. 893.
- Baker, Arthur W., Danbury, Conn. Outlet-box. No. 1,220,168; Mar. 27; v. 236; p. 899.
- Baker, Benjamin S. (See Matthews, Austin, assignor.)
- Baker, Bessie A., administratrix. (See Baker, George A.)
- Baker Brothers. (See Hallenbeck, George E., assignor.)
- Baker, Charles D., New Richland, Minn. Display device for automobile-license numbers. No. 1,229,208; June 12; v. 239; p. 330.
- Baker, Charles E., Chicago, Ill. Recovering zinc and iron from solutions thereof. No. 1,224,057; Apr. 24; v. 237; p. 1170.
- Baker, Charles H. (See Baker, Wilmer J., assignor.)
- Baker, Charles J., Elkhart, Ind. Direction-indicating signal for automobiles. No. 1,250,763; Dec. 18; v. 245; p. 751.
- Baker, Charles L., and J. E. Klos, Lancaster, Pa. Umbrella-runner. No. 1,240,645; Sept. 18; v. 242; p. 673.
- Baker, Charles M., Kansas City, Mo. Traction mechanism. No. 1,216,398; Feb. 20; v. 235; p. 766.
- Baker, Edward A. (See McIntyre, Robert D., assignor.)
- Baker, Edward P., Darien, Conn. Illuminated sign. No. 1,219,218; Mar. 13; v. 236; p. 500.
- Baker, Ellis H., Whitlash, Mont. Wagon-brake. No. 1,231,472; June 26; v. 239; p. 1161.
- Baker, Elmer L., Napier, Tenn. Well attachment. No. 1,246,842; Nov. 20; v. 244; p. 574.
- Baker, Emory P., Chicago, Ill., assignor of one-fourth to E. J. Fabens, Salem, Mass. Ventilator for sleeping-car berths. No. 1,219,219; Mar. 13; v. 236; p. 500.
- Baker, Erle K., assignor to Universal Rim Company, Chicago, Ill. Demountable-rim wheel. No. 1,227,990; May 29; v. 238; p. 1482.
- Baker, Erle K., assignor to Universal Rim Company, Chicago, Ill. Self-aligning transplit rim. No. 1,244,014; Oct. 23; v. 243; p. 906.
- Baker, Erle K., assignor to Universal Rim Company, Chicago, Ill. Transplit demountable rim. No. 1,244,685; Oct. 30; v. 243; p. 1145.
- Baker, Ernest A. (See Null and Baker.)
- Baker, Franklin, Jr., Philadelphia, Pa. Preparing or treating cocoanut and product obtained thereby. No. 1,230,364; June 19; v. 239; p. 752.
- Baker, Franklin, Jr., Philadelphia, Pa. Preparing or treating cocoanut. No. 1,230,365; June 19; v. 239; p. 752.
- Baker, Franklin, Jr., Philadelphia, Pa. Preparing or treating cocoanut and product obtained thereby. No. 1,230,366; June 19; v. 239; p. 752.
- Baker, Frederick, Blackheath, assignor to Baker Sewing Machine Trust, Limited, London, England. Sewing-machine. No. 1,233,979; Sept. 4; v. 242; p. 83.
- Baker, Frederick W. (See Foley and Baker.)
- Baker, Gayle H., Shamrock, Okla. Measuring instrument. No. 1,237,603; Aug. 21; v. 241; p. 737.
- Baker, George, Manchester, and J. A. Fletcher, Stalybridge, England. Apparatus for recreation and amusement purposes. No. 1,236,039; Aug. 7; v. 241; p. 167.
- Baker, George A., deceased; B. A. Baker, administratrix, assignor to B. A. Baker, South Bend, Ind. Toy-doll walker. No. 1,248,788; Dec. 4; v. 245; p. 107.
- Baker, George H., Fruitland, Mo. Curtain-stretcher. No. 1,235,414; July 31; v. 240; p. 1389.
- Baker, George S. (See Carr and Baker.)
- Baker, George S., and J. Cramb, assignors to Joseph Baker & Sons Limited, London, England. Apparatus for proving dough and the like. No. 1,250,125; Dec. 18; v. 245; p. 560.
- Baker, Gustavus A., Memphis, Tex. Planter. No. 1,218,159; Mar. 6; v. 236; p. 95.
- Baker-Hansen Manufacturing Co. (See Zimmer, Ernest L. B., assignor.)
- Baker, Haydn M., Jr., assignor to A. Treadwell, Jr., Brooklyn, N. Y. Speed-control device. No. 1,239,758; Sept. 11; v. 242; p. 359.
- Baker, Haydn M., Jr., assignor to A. Treadwell, Jr., Brooklyn, N. Y. Automatic electric-arc-control mechanism. No. 1,239,759; Sept. 11; v. 242; p. 360.
- Baker, Henry C. (See Jones, John D., assignor.)
- Baker, Horace G., assignor of one-half to W. H. Townsan, Harlan, Iowa. Automatic display-rack. No. 1,239,662; Sept. 11; v. 242; p. 328.
- Baker, Howard H., Buffalo, N. Y. Fuse. No. 1,212,603; Jan. 16; v. 234; p. 834.
- Baker, Hugh J., assignor to The Concrete Forms Company, Indianapolis, Ind. Form for concrete construction. No. 1,222,349; Apr. 10; v. 237; p. 504.
- Baker, Jackson H., Ottumwa, Iowa. Internal-combustion engine. No. 1,248,597; Dec. 4; v. 245; p. 51.
- Baker, James H., Fairfield, Ill. Automatic car-dumping appliance. No. 1,213,327; Jan. 23; v. 234; p. 1121.
- Baker, James R., Arlington, N. J., assignor to Cooper-Hewitt Electric Company, Hoboken, N. J. Multiple-anode mercury-vapor apparatus. No. 1,224,701; May 1; v. 238; p. 208.
- Baker, James W., Jr. (See Sutton and Baker.)
- Baker, John C., et al. (See Clawson, Charles F., assignor.)
- Baker, John G., East Pittsburgh, Pa. Sanitary soap-holder. No. 1,235,415; July 31; v. 240; p. 1390.
- Baker, John L., Boneita Springs, S. D. Game. No. 1,222,591; Apr. 17; v. 237; p. 630.
- Baker, John S., assignor to Baker-Shippee Manufacturing Co., Los Angeles, Cal. Automatic cooking mechanism. (Reissue.) No. 1,244,48; Jan. 16; v. 234; p. 1019.
- Baker, John S., Los Angeles, assignor, by mesne assignments, to Anderson-Barngrover Mfg. Co., San Jose, Cal. Can-cooking machine. No. 1,250,764; Dec. 18; v. 245; p. 751.
- Baker, Joseph H., and C. D. Oberholtzer, Kansas City, Mo. Steering-control lock for automobiles. No. 1,238,247; Aug. 28; v. 241; p. 977.
- Baker, Linnaeus E., Fort Wayne, Ind., assignor to Wayne Oil Tank & Pump Co. Dispensing-pump. No. 1,247,203; Nov. 20; v. 244; p. 678.
- Baker, Linnaeus E., Fort Wayne, Ind., assignor to Wayne Oil Tank and Pump Company. Actuating mechanism for dispensing apparatus. No. 1,247,487; Nov. 20; v. 244; p. 759.
- Baker, Mercy E., Westport Point, Mass. Mold. No. 1,243,128; Oct. 16; v. 243; p. 602.
- Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. No. 1,241,903; Oct. 2; v. 243; p. 139.
- Baker, Nelson M., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. No. 1,244,941; Oct. 30; v. 243; p. 1224.
- Baker, Nelson M., and H. K. Parsons, Southbridge, Mass. Ophthalmic mounting. No. 1,245,998; Nov. 6; v. 244; p. 254.
- Baker R and L Company, The. (See Cookingham, De Witt C., assignor.)
- Baker, Rollyn H., Dayton, Ohio. Vending device. No. 1,219,618; Mar. 20; v. 236; p. 668.
- Baker, Ross L., New York, N. Y. Belt suspension for trousers. No. 1,233,958; July 17; v. 240; p. 864.
- Baker Sewing Machine Trust. (See Baker, Frederick, assignor.)
- Baker-Shippee Manufacturing Co. (See Baker, John S., assignor.) (Reissue.)
- Baker, Stephen D., New York, N. Y. Soap-receptacle. No. 1,239,076; Sept. 4; v. 242; p. 114.
- Baker, Thaddeus R. (See Keeler, Frank F., assignor.)
- Baker, Theodore, assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Recovering solvents. No. 1,218,616; Mar. 13; v. 236; p. 289.
- Baker-Vawter Company. (See Manny, Fred L., assignor.)
- Baker, Walter C., Cleveland, Ohio. Shock-absorbing device. No. 1,223,307; Apr. 17; v. 237; p. 873.

- Baker, Walter C., Lakewood, Ohio. Gaging-machine. No. 1,233,014; July 10; v. 240; p. 520.
- Baker, Walter C., assignor to The American Ball Bearing Company, Cleveland, Ohio. Power-transmitting mechanism. No. 1,226,742; May 22; v. 238; p. 1029.
- Baker, Walter C., Lakewood, Ohio, assignor to Entz Motor Patents Corporation. Controller-operating device for vehicles having electric transmission. No. 1,232,478; July 10; v. 240; p. 347.
- Baker, Walter J., assignor to Harmo-Electric Company, Chicago, Ill. Electrically-operated pipe-organ. No. 1,232,176; July 3; v. 240; p. 215.
- Baker, Walter N., *et al.* (See Tudor, Robert H., assignor.)
- Baker, William, Barberton, assignor of one-half to E. A. Baker, Mansfield, Ohio. Means for operating and locking valves. No. 1,226,938; May 22; v. 238; p. 1096.
- Baker, William C., Portland, Oreg. Punch. No. 1,227,869; May 29; v. 238; p. 1440.
- Baker, William E., Waco, Tex. Rail-joint. No. 1,227,364; May 22; v. 238; p. 1239.
- Baker, William H., Boston, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Filling-replenishing loom. No. 1,242,098; Oct. 2; v. 243; p. 199.
- Baker, Wilmer J., Wakefield, Mass., assignor of one-half to C. H. Baker, Plattsburg, N. Y. Boiler-tube plug. No. 1,213,060; Jan. 16; v. 234; p. 992.
- Baker, Winthrop D., Abington, assignor to Reece Shoe Machinery Company, Boston, Mass. Machine for cementing boots and shoes. No. 1,216,539; Feb. 20; v. 235; p. 814.
- Bakewell, Henry, Lowell, Mass. Side-car wind-shield. No. 1,240,646; Sept. 18; v. 242; p. 673.
- Bakewell, Margaret A., Los Angeles, Cal. Consumer's shopping-guide. No. 1,236,136; Aug. 7; v. 241; p. 195.
- Bakke, Carl O., Fertile, Minn. Lawn-mower. No. 1,220,489; Mar. 27; v. 236; p. 1013.
- Bakken, Andrew H., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Centrifugal switch. No. 1,224,126; May 1; v. 238; p. 3.
- Bakos, Steve, Brainards, N. J. Wrist-pin lubricator. No. 1,218,507; Mar. 6; v. 236; p. 213.
- Bal, Cornelis W. (See Van Mouwerik and Bal.)
- Balbach, Edward, Springfield, Ohio. Electrical signal. No. 1,240,647; Sept. 18; v. 242; p. 673.
- Balbach, Gustav C., assignor to Murphy Chair Company, Detroit, Mich. Furniture-joint. No. 1,214,261; Jan. 30; v. 234; p. 1470.
- Balcom, Harry W., Worcester, Mass. Block-signal system. No. 1,219,528; Mar. 20; v. 236; p. 637.
- Balden, Frank E., Portland, Oreg. Furnace. No. 1,226,167; May 15; v. 238; p. 800.
- Balding, N. A., *et al.* (See Thomas, Solomon, assignor.)
- Baldridge, Frank G., Escondido, Cal. Swimming device. No. 1,217,681; Feb. 27; v. 235; p. 1254.
- Baldwin, Alonzo D., Latham, Kans. Sickle-bar for mowing-machines. No. 1,212,880; Jan. 16; v. 234; p. 931.
- Baldwin, Arthur J. (See Ford, Hannibal C., assignor.) (Reissue.)
- Baldwin, Arthur J., New York, N. Y. Key for watchmen's clocks. No. 1,238,706; Aug. 28; v. 241; p. 1122.
- Baldwin, Arthur S., Baltimore, Md. Safety-fuse. No. 1,239,248; Sept. 4; v. 242; p. 170.
- Baldwin, Charles F., deceased; F. D. Baldwin, administratrix, Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Switching device. No. 1,245,422; Nov. 6; v. 244; p. 84.
- Baldwin, Charles H., and A. R. Shute, Port Jefferson Station, N. Y. Collapsible bed-spring. No. 1,211,041; Jan. 2; v. 234; p. 230.
- Baldwin, Charles M., Hudson Falls, N. Y. Cigarette-box. No. 1,224,996; May 8; v. 238; p. 361.
- Baldwin, Charles M., Hudson Falls, N. Y. Sectional tent. No. 1,249,883; Dec. 11; v. 245; p. 453.
- Baldwin, Chauncey C., Perth Amboy, N. J., assignor to Standard Underground Cable Co., Pittsburgh, Pa. Alloying metals. No. 1,235,872; Aug. 7; v. 241; p. 112.
- Baldwin, Clarence A., Middletown, Conn. Block-molding apparatus. No. 1,232,177; July 3; v. 240; p. 216.
- Baldwin, Clarence M., *et al.*, trustees. (See Suttle, Herbert A., assignor.)
- Baldwin Company, The. (See Gally, Robert A., assignor.)
- Baldwin, Edward C., Boston, Mass. Combined carton and dispenser. No. 1,217,682; Feb. 27; v. 235; p. 1254.
- Baldwin, Emerson F., Philadelphia, Pa. Exercising device. No. 1,240,809; Sept. 25; v. 242; p. 757.
- Baldwin, Florence D., administratrix. (See Baldwin, Charles F.)
- Baldwin, Frank. (See Kerwin, Michael, assignor.)
- Baldwin, Frederic E., New York, N. Y. Miner's lamp. No. 1,237,449; Aug. 21; v. 241; p. 688.
- Baldwin, Frederic E., New York, N. Y. Miner's gas-lamp. No. 1,237,450; Aug. 21; v. 241; p. 689.
- Baldwin, George R., Philadelphia, Pa. Flexible shaft-coupling. No. 1,220,310; Mar. 27; v. 236; p. 950.
- Baldwin, John F., Jr., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Phantom-circuit loading. No. 1,210,884; Jan. 2; v. 234; p. 174.
- Baldwin, John H., Springfield, Mo. Erasing type-written matter. No. 1,222,592; Apr. 17; v. 237; p. 630.
- Baldwin Locomotive Works. (See Bullock, Samuel A., assignor.)
- Baldwin Locomotive Works, The. (See Eddowes, Archibald B., assignor.)
- Baldwin Locomotive Works, The. (See Linton, Morris, assignor.)
- Baldwin Locomotive Works, The. (See Rushton, Kenneth, assignor.)
- Baldwin Locomotive Works, The. (See Wille, Henry V., assignor.)
- Baldwin, Lovell. (See Sherwood and Baldwin.)
- Baldwin, Luther C., assignor to U. S. Bobbin & Shuttle Company, Providence, R. I. Shuttle. No. 1,212,881; Jan. 16; v. 234; p. 931.
- Baldwin, Morton S., Adrian, Mich. Accelerator device for automobiles. No. 1,223,235; Apr. 17; v. 237; p. 850.
- Baldwin, R. Gordon, administrator. (See Case, Joel T.)
- Baldwin, Samuel W., and C. A. Peney, Hammond, La. Automobile-control lock. No. 1,223,236; Apr. 17; v. 237; p. 850.
- Baldwin, Thomas H., Beaumont, Tex. Concrete-step mold. No. 1,219,689; Mar. 20; v. 236; p. 693.
- Baldwin, Thomas W., Crayford, assignor to British-American Tobacco Company Limited, Westminster, England. Apparatus for applying tips to cigarettes. No. 1,213,061; Jan. 16; v. 234; p. 993.
- Baldwin, Townsend B., Edgewater Park, N. J. Shoe. No. 1,237,451; Aug. 21; v. 241; p. 689.
- Baldwin, Townsend B., Edgewater Park, N. J. Shoe. No. 1,237,452; Aug. 21; v. 241; p. 689.
- Baldwin, Walter R., Berea, Ohio. Business-register. No. 1,246,843; Nov. 20; v. 244; p. 574.
- Baldwin, William A., Yale, Iowa. Adjustable wagon-tongue device. No. 1,232,752; July 10; v. 240; p. 437.
- Baldwin, William D., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Multiple-car elevator system. No. 1,218,617; Mar. 13; v. 236; p. 290.
- Baldwin, William J., Brooklyn, N. Y. Separation of dust particles and smoke from air and gases. No. 1,218,354; Mar. 6; v. 236; p. 162.
- Bales, James W., Eldora, Iowa. Power-transmitting device for engines. No. 1,246,036; Nov. 13; v. 244; p. 297.
- Bales, James W. H., assignor of one-third to William B. Buchanan, Sanford, Fla. Calipers. No. 1,227,365; May 22; v. 238; p. 1240.
- Balint, Michael. (See Kuncunzi and Balint.)
- Balke, Julius. (See Crane, Frank G., assignor.)
- Balko, Paul, and A. Kocovsky, Milwaukee, Wis. Non-skid device. No. 1,236,251; Aug. 7; v. 241; p. 232.
- Balkwill, Stephen, Cleveland, Ohio. Railway-crossing. No. 1,233,437; July 17; v. 240; p. 694.
- Balkwill, Stephen, Cleveland, Ohio. Railway-crossing. No. 1,250,126; Dec. 18; v. 245; p. 560.
- Balkwill, Wesley J. (See Richmond, Balkwill, and Schweiger.)
- Balkwill, Wesley J., assignor to Multipost Company, Rochester, N. Y. Counter mechanism for stamp-affixers. No. 1,216,267; Feb. 20; v. 235; p. 717.
- Balkwill, Wesley J., assignor to Multipost Company, Rochester, N. Y. Stamp-affixer. No. 1,240,808; Sept. 25; v. 242; p. 756.
- Ball & Ball Carburetor Company. (See Ball, Frederick O., assignor.)
- Ball Brothers Glass Manufacturing Company. (See Wadsworth, Frank L. O., assignor.)
- Ball, Edith. (See White, Sidney, assignor.)
- Ball, Elmer D., Logan, Utah. Beet-harvester. No. 1,239,337; Sept. 4; v. 242; p. 197.
- Ball Engine Company. (See Armstrong and Rommerdale, assignors.)
- Ball, Frank, Chicago, Ill. Wall structure. No. 1,211,525; Jan. 9; v. 234; p. 426.
- Ball, Frederick O., assignor to Ball & Ball Carburetor Company, Detroit, Mich. Carburetor. No. 1,243,479; Oct. 16; v. 243; p. 706.
- Ball, Frederick O., assignor to Ball & Ball Carburetor Company, Detroit, Mich. Carburetor. No. 1,243,480; Oct. 16; v. 243; p. 706.
- Ball Grain Explosives Company. (See Du Pont, Ernest, assignor.)
- Ball Grain Explosives Company. (See Du Pont, Francis I., assignor.)
- Ball, Hazen E., Freda, Mich. Automatic train-signal. No. 1,247,919; Nov. 27; v. 244; p. 918.
- Ball, Henry P., Pittsfield, Mass. Food-chopper. No. 1,219,423; Mar. 20; v. 236; p. 601.
- Ball, Henry P., assignor to S. Sternau & Co., Brooklyn, N. Y. Container. No. 1,222,571; Apr. 10; v. 237; p. 583.
- Ball, Henry P., assignor to S. Sternau & Co., Brooklyn, N. Y. Portable lamp for burning solid fuel. No. 1,226,625; May 22; v. 238; p. 991.
- Ball, Henry P., assignor to S. Sternau & Company, Brooklyn, N. Y. Combined lamp and stand. No. 1,237,453; Aug. 21; v. 241; p. 689.
- Ball, Henry P., assignor to S. Sternau & Company, Brooklyn, N. Y. Grill. No. 1,238,080; Aug. 28; v. 241; p. 921.
- Ball, Henry P., assignor to S. Sternau & Co., Brooklyn, N. Y. Stand for solid-alcohol burners. No. 1,238,081; Aug. 28; v. 241; p. 921.
- Ball, Herman F., Bronxville, N. Y. Draw-bar-pin casting. No. 1,223,553; Apr. 24; v. 237; p. 995.

Alphabetical list of patentees—Continued.

- Ball, Herman F., Bronxville, assignor to Economy Devices Corporation, New York, N. Y. Safety draw-bar. No. 1,231,473; June 26; v. 239; p. 1161.
- Ball, Herman F., Bronxville, assignor to Economy Devices Corporation, New York, N. Y. Draw-bar-pin keeper. No. 1,236,366; Aug. 7; v. 241; p. 266.
- Ball, Horace E. (See Wilber and Ball.)
- Ball, John F., Estep, W. Va. Rail-joint. No. 1,228,386; June 5; v. 239; p. 4.
- Ball, Le Roy, and A. L. McLean, Asheville, N. C. Flushing apparatus. No. 1,237,276; Aug. 21; v. 241; p. 632.
- Ball and Roller Bearing Company, The. (See Heim, Lewis R., assignor.)
- Ball, Ruthven H. (See Walker, William J., assignor.)
- Ballachey, Alec A. (See Loisel, Joseph, assignor.)
- Ballard, George L., assignor to Wildman Mfg. Co., Norristown, Pa. Clutch. No. 1,224,997; May 8; v. 238; p. 361.
- Ballard, George L., Norristown, Pa., assignor to Wildman Mfg. Co. Knitting-machine. No. 1,247,615; Nov. 27; v. 244; p. 827.
- Ballard, George N. (See Ballard, Javan C. and G. N.)
- Ballard, J. A. (See Clifford, William P., assignor.)
- Ballard, Javan C. and G. N., Sinks Grove, W. Va. Head-light. No. 1,250,765; Dec. 18; v. 245; p. 751.
- Ballard, Nicholas G., Chicago, Ky. Tie-plate and anti-spreading device. No. 1,242,311; Oct. 9; v. 243; p. 208.
- Ballard, William N., assignor of one-fourth to J. S. Cummins, Kansas City, Kans. Automatic fire-alarm system. No. 1,242,312; Oct. 9; v. 243; p. 308.
- Ballenberg, Adolph, New York, N. Y. Glider for furniture-legs. No. 1,230,836; June 26; v. 239; p. 948.
- Ballenger, Edgar G., Atlanta, Ga. Heater. No. 1,237,858; Aug. 21; v. 241; p. 818.
- Ballenger, Jesse R., Inman, S. C. Churn-operating device. No. 1,229,017; June 5; v. 239; p. 216.
- Ballentine, John R., Toledo, Ohio. Ticket-holder. No. 1,213,816; Jan. 30; v. 234; p. 1318.
- Ballentine, William I., assignor to The B. & B. Mfg. Co., Indianapolis, Ind. Molding-machine. No. 1,214,117; Jan. 30; v. 234; p. 1421.
- Ballin, Cyril G. (See Paul, Christine F., Jr., assignor.)
- Ballin, Fred A., Portland, Oreg. Ship-building. No. 1,231,232; June 26; v. 239; p. 1081.
- Ballman, Edwin C., Kirkwood, Mo. Rectifier for alternating currents. No. 1,239,249; Sept. 4; v. 242; p. 170.
- Ballmer, August A., Loma, Colo. Piston-ring. No. 1,225,101; May 8; v. 238; p. 396.
- Ballner, Charles R., Jamaica, N. Y. Building construction. No. 1,222,174; Apr. 10; v. 237; p. 442.
- Ballou, Charles E., Roanoke, Va. Insulated rail-joint. No. 1,227,028; May 22; v. 238; p. 1129.
- Ballou, Charles E., assignor to Ballou Safety Rail Joint and Nut Company, Roanoke, Va. Insulated rail-joint. No. 1,215,897; Feb. 13; v. 235; p. 533.
- Ballou, Eugene H., Pawtucket, R. I., assignor to Draper Corporation, Hopedale, Mass. Welt-feeler mechanism for looms. No. 1,238,378; Aug. 28; v. 241; p. 1020.
- Ballou, Eugene H., Pawtucket, R. I., assignor to Draper Corporation, Hopedale, Mass. Welt-replenishing loom. No. 1,244,827; Oct. 30; v. 243; p. 1189.
- Ballou Manufacturing Company. (See McCormack, George E., assignor.)
- Ballou Safety Rail Joint and Nut Company. (See Ballou, Charles E., assignor.)
- Ballou, Walter B., assignor to R. Blackinton & Co., North Attleboro, Mass. Belt-buckle. (Reissue.) No. 14,316; June 19; v. 239; p. 907.
- Balreich, Charles, Pueblo, Colo. Safety-razor. No. 1,246,219; Nov. 13; v. 244; p. 351.
- Ballweg, Frank J., Mobile, Ala. Automobile-axle. No. 1,227,029; May 22; v. 238; p. 1129.
- Bally, Oscar, and H. Wolff, Mannheim, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Yellowish-brown vat dye. No. 1,216,921; Feb. 20; v. 235; p. 944.
- Balmert, Frank C., Portsmouth, Ohio. Weighing-machine. No. 1,235,000; July 31; v. 240; p. 1266.
- Balogh, Gergely, Detroit, Mich. Life-saving suit. No. 1,211,042; Jan. 2; v. 234; p. 230.
- Balough, Charles, Springfield, Ohio. Governor. No. 1,241,808; Oct. 2; v. 243; p. 108.
- Balseiro, Isaac, New York, N. Y. Cane-harvester. No. 1,237,859; Aug. 21; v. 241; p. 818.
- Balsillie, John G., Melbourne, Victoria, Australia. Wireless-telegraph transmitter. No. 1,227,521; May 22; v. 238; p. 1292.
- Baltensweiler, Adolf, and K. Egloff, assignors to Firm A. Saurer, Arbon, Switzerland. Gudgeon-pin for internal-combustion engines. No. 1,223,355; Apr. 24; v. 237; p. 924.
- Baltimore Gas Appliance and Manufacturing Co., The. (See Hunter and Longfellow, assignors.)
- Baltimore Oil Engine Company. (See Wygodsky, Leon, assignor.)
- Baltimore Process Company. (See Strauss, Alexander L., assignor.) (Reissue.)
- Baltimore Roofing and Asbestos Manufacturing Co. (See Emigh, Oliver R., assignor.)
- Baltimore Tube Company. (See Brinkman, Louis H., assignor.)
- Baltisser, Jacob, Basel, Switzerland. Calculating-machine especially devised for geodetic measurements. No. 1,221,653; Apr. 3; v. 237; p. 225.
- Baltzley, Edwin, Glen Echo, Md. Paper-holding clip. No. 1,236,654; Aug. 14; v. 241; p. 397.
- Baltzley, Edwin and L. E., Weehawken, N. J., assignors to E. D. Farmer, trustee, Montclair, N. J. Culinary beater. No. 1,220,928; Mar. 27; v. 236; p. 1160.
- Baltzley, Louis E. (See Baltzley, Edwin and L. E.)
- Baltzley, Louis E., Weehawken, assignor to E. D. Farmer, trustee. Liquid-feeding device. No. 1,220,929; Mar. 27; v. 236; p. 1160.
- Baluta, Leonard S., Kelsey, Pa. Attachment for motion-picture reels. No. 1,232,753; July 10; v. 240; p. 438.
- Baluta, Leonard S., Roaring Creek, Pa. Fountain-pen filler. No. 1,249,709; Dec. 11; v. 245; p. 401.
- Balz, George A., Rahway, N. J. Carborundum article and making it. No. 1,217,683; Feb. 27; v. 235; p. 1254.
- Balzari, Julio, Buenos Aires, Argentina. Preparation of the flesh of animals of the bovine genus. No. 1,240,165; Sept. 18; v. 242; p. 523.
- Balzer, Fritz. (See Bartholomew, Broderick, and Balzer.)
- Balzer, Fritz, Chicago, Ill., assignor to Troy Laundry Machinery Company, Ltd. Drying apparatus. No. 1,213,999; Jan. 30; v. 234; p. 1381.
- Balzer, Fritz, assignor to Troy Laundry Machinery Company, Limited, Chicago, Ill. Centrifugal extractor. No. 1,224,888; May 8; v. 238; p. 324.
- Balzer, Fritz, assignor to Troy Laundry Machinery Company, Ltd., Chicago, Ill. Electrically-controlled centrifugal extractor. No. 1,236,529; Aug. 14; v. 241; p. 353.
- Balzer, Fritz, assignor to Troy Laundry Machinery Company, Limited, Chicago, Ill. Safety mechanism for electrically-operated extractors. No. 1,236,530; Aug. 14; v. 241; p. 354.
- Balzer, Fritz, Chicago, Ill., assignor to Troy Laundry Machinery Company. System for controlling electrically-driven machines. No. 1,238,082; Aug. 28; v. 241; p. 921.
- Bamfield, Thomas C., and G. Rechter, San Francisco, Cal. Comb. No. 1,250,077; Dec. 11; v. 245; p. 507.
- Bamford, Cyril J. (See Bamford, Joseph and C. J.)
- Bamford, Joseph and C. J., St. Mary's Mount, Uttoxeter, England. Side-delivery hay-raking machine. No. 1,224,876; May 1; v. 238; p. 269.
- Bamford, Joseph and C. J., Uttoxeter, England. Combined side-delivery hay rake, tedder, and swath turner. No. 1,239,153; Sept. 4; v. 242; p. 139.
- Bamford, Walter R., and H. W. Hamilton, Detroit, Mich., assignors to Hamilton Manufacturing Company, Indianapolis, Ind. Vacuum system for internal-combustion engines. No. 1,244,686; Oct. 30; v. 243; p. 1145.
- Bamford, William T., Philadelphia, Pa. Advertising device. No. 1,246,220; Nov. 13; v. 244; p. 352.
- Bammer, Pius, Los Angeles, Cal. Adjustable grip for heel-cutting apparatus. No. 1,249,884; Dec. 11; v. 245; p. 453.
- Banbury, Fernley H., Ansonia, assignor to Birmingham Iron Foundry, Derby, Conn. Machine for treating rubber and other heavy plastic material. No. 1,227,522; May 22; v. 238; p. 1292.
- Banbury, Fernley H., Ansonia, assignor to Birmingham Iron Foundry, Derby, Conn. Machine for treating rubber and other heavy plastic material. No. 1,234,526; July 24; v. 240; p. 1084.
- Banbury, Fernley H., Ansonia, assignor to Birmingham Iron Foundry, Derby, Conn. Machine for treating rubber and other heavy plastic material. No. 1,235,757; Aug. 7; v. 241; p. 74.
- Bancalari, Ignacio L., Mexico, Mexico. Bicycle-support. No. 1,233,300; July 17; v. 240; p. 648.
- Bancel, Paul A., New York, N. Y. Boller. No. 1,225,304; May 8; v. 238; p. 465.
- Bancroft, Edward H., Brooklyn, N. Y. Book-rest. No. 1,216,048; Feb. 13; v. 235; p. 589.
- Bancroft, John S., and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Apparatus for casting printers' leads. No. 1,220,055; Mar. 20; v. 236; p. 821.
- Bancroft, John S., and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Means for raising and lowering casting-machine melting-pots. No. 1,220,056; Mar. 20; v. 236; p. 821.
- Bancroft, John S., and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Casting-machine. No. 1,220,057; Mar. 20; v. 236; p. 822.
- Bancroft, John S., and M. C. Indahl, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Casting-machine for elements of printing-forms. No. 1,220,059; Mar. 20; v. 236; p. 823.
- Bancroft, John S., M. C. Indahl, Philadelphia, Pa., and J. O. Hofberg, Westville, N. J., assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Repeat mechanism for composing-machines. No. 1,220,058; Mar. 20; v. 236; p. 822.
- Bandfield, Harold G., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Protector. No. 1,222,350; Apr. 10; v. 237; p. 504.
- Bandiera, Joseph L., Boston, Mass. Transmission-gear. No. 1,238,623; Aug. 28; v. 241; p. 1099.

- Bane, John N., South Boston, Va. Animal-trap. No. 1,247,204; Nov. 20; v. 244; p. 679.
- Bang, Herman H., Joice, Iowa. Cuspidor. No. 1,210,397; Jan. 2; v. 234; p. 5.
- Bangerter, Friedrich, New York, N. Y. Clock. No. 1,211,353; Jan. 9; v. 234; p. 379.
- Bangs, Chester T., Ottawa, Ill. Packing for sleeve-valves of engines. No. 1,222,351; Apr. 10; v. 237; p. 504.
- Bangs, Edwin Q., Racine, Wis. Means for introducing air into furnaces. No. 1,242,124; Oct. 9; v. 243; p. 249.
- Bangs, Ralph C., Cranston, assignor of one-fourth to P. H. Cadby, Providence, R. I. Garment-hanger. No. 1,228,636; June 5; v. 239; p. 89.
- Banic, Stephan, Greenville, Pa. Motor-sleigh. No. 1,228,088; May 29; v. 238; p. 1515.
- Banka, John H., Battle Creek, Mich. Lock for axle-nuts. No. 1,229,701; June 12; v. 239; p. 497.
- Banka, John H., and J. Whalen, Battle Creek, Mich. Vehicle-spring. No. 1,216,922; Feb. 20; v. 235; p. 944.
- Banks, Daniel B., Baltimore, Md., assignor to D. B. Banks Company. Drying and extracting. No. 1,219,406; Mar. 13; v. 236; p. 564.
- Banks, Frank, Hibbing, Minn. Gearing for automobiles. No. 1,225,102; May 8; v. 238; p. 397.
- Banks, Louis J., A. D. Anderson, and E. S. L. Lovell, National City, Cal. Fluid-agitator. No. 1,216,540; Feb. 20; v. 235; p. 814.
- Banks, Reeve H., Pittsburgh, Pa. Surgical bandage and fastener therefor. No. 1,212,731; Jan. 16; v. 234; p. 882.
- Banks, Robert W., Jr., assignor of one-half to A. Brenner, Shreveport, La. Razor-blade sharpener. No. 1,245,857; Nov. 6; v. 244; p. 217.
- Banks, Theodore R., Summit, Ga. Plow. No. 1,236,252; Aug. 7; v. 241; p. 233.
- Banks, William A., Pittsburgh, Pa. Toy. No. 1,250,266; Dec. 18; v. 245; p. 603.
- Banks, William D., Clarksburg, W. Va. Boiler-stand. No. 1,240,648; Sept. 18; v. 242; p. 674.
- Banner, Otto, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Blading construction for turbo-compressor impellers. No. 1,217,386; Feb. 27; v. 235; p. 1148.
- Banner, Otto, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Regulating mechanism for centrifugal compressors and pumps. No. 1,222,352; Apr. 10; v. 237; p. 504.
- Banner, Otto, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Regulating mechanism for centrifugal compressors. No. 1,240,531; Sept. 18; v. 242; p. 639.
- Banneyer, Joseph, Chicago, Ill. Electric alarm. No. 1,239,450; Sept. 11; v. 242; p. 262.
- Bannfield, Edwin J., Toronto, Ontario, Canada. Machine for finishing base or gas-check plugs for artillery-shells. No. 1,225,742; May 15; v. 238; p. 656.
- Bannhr, Caesar R., New York, N. Y. Computing device. No. 1,214,262; Jan. 30; v. 234; p. 1470.
- Bannon, Joseph B., Grawn, Mich. Clasp for spectacle-cases. No. 1,245,423; Nov. 6; v. 244; p. 84.
- Banschbach, Edward A., Chicago, Ill. Stand. No. 1,219,220; Mar. 13; v. 236; p. 500.
- Banse, J. George, *et al.* (See Mehle, Michael, assignor.)
- Banta, Harvey F. (See Myers, Hubert A., assignor.)
- Banta, John F., Goshen, Ind. Bed-frame corner construction. No. 1,211,908; Jan. 9; v. 234; p. 562.
- Banta, John J. and J. E. Sullivan, Mo. Washing-machine. No. 1,228,387; June 5; v. 239; p. 4.
- Banta, Julius E. (See Banta, John J. and J. E.)
- Bar-Lock Typewriter Company Limited, The. (See Etheridge, Herbert, assignor.)
- Barba, Charles E. (See Vogt and Barba.)
- Barbarou, Marius J. B., Neuilly-sur-Seine, assignor to Societe Lorraine Des Anciens Etablissements De Dietrich & Cie De Luneville, Paris, France. Carburetor for explosion-motors. No. 1,228,738; June 5; v. 239; p. 124.
- Barber Asphalt Paving Company, The. (See Aitken, Allan J., assignor.)
- Barber Asphalt Paving Company, The. (See Browne, Frank A., assignor.)
- Barber Asphalt Paving Company, The. (See Hayden, Harold P., assignor.)
- Barber Asphalt Paving Company, The. (See Wiederhold, Henry, assignor.)
- Barber, Carver W., *et al.* (See Carlisle, George J., assignor.)
- Barber-Colman Company. (See Alford, Neil H., assignor.)
- Barber-Colman Company. (See Colman, Howard D., assignor.)
- Barber-Colman Company. (See Parker, Earle D., assignor.)
- Barber, Dale L., Harlan, Iowa. Door-hinge. No. 1,214,263; Jan. 30; v. 234; p. 1471.
- Barber, Floyd N., Crafton, Pa., assignor, by mesne assignments, to The Electric Controller & Manufacturing Company. Electric switch. No. 1,227,568; May 29; v. 238; p. 1337.
- Barber, Franklin L., Chicago, Ill., assignor to Standard Car Truck Company. Combined journal-bearing and roller-seat. No. 1,241,186; Sept. 25; v. 242; p. 875.
- Barber, Franklin L., Chicago, Ill., assignor to Standard Car Truck Company. Lateral-motion journal-box. No. 1,245,307; Nov. 6; v. 243; p. 50.
- Barber, Franklin L., and E. W. Webb, assignors to Standard Car Truck Company, Chicago, Ill. Side bearing. No. 1,212,436; Jan. 16; v. 234; p. 775.
- Barber, Franklin L., and E. W. Webb, assignors to Standard Car Truck Company, Chicago, Ill. Side bearing. No. 1,214,118; Jan. 30; v. 234; p. 1422.
- Barber, Franklin L., and E. W. Webb, assignors to Standard Car Truck Company, Chicago, Ill. Side bearing for cars. No. 1,228,280; May 29; v. 238; p. 1575.
- Barber, Franklin L., and E. W. Webb, assignors to Standard Car Truck Company, Chicago, Ill. Car-truck. No. 1,240,166; Sept. 18; v. 242; p. 523.
- Barber, Franklin L., and C. S. Walton, assignors to Standard Car Truck Company, Chicago, Ill. Car-truck. No. 1,229,398; June 12; v. 239; p. 394.
- Barber, Fred A., assignor to Globe Ear-Phone Co., Boston, Mass. Hand-audiphone. No. 1,227,030; May 22; v. 238; p. 1129.
- Barber, Guy A., and R. J. G. McKnight, Wilkesburg, Pa. Carburetor. No. 1,235,180; July 31; v. 240; p. 1319.
- Barber, Guy M., assignor of one-third to E. J. Lloyd and one-third to W. M. Wootten, Los Angeles, Cal. Oil-burner. No. 1,230,982; June 26; v. 239; p. 997.
- Barber, Guy M., Los Angeles, and L. L. Frazee, Glendale, assignors of one-half to G. T. Moran, Los Angeles, Cal. Fire-escape. No. 1,218,828; Mar. 13; v. 236; p. 367.
- Barber, Homer M., Goldfield, Nev. Set for timbering mines. No. 1,226,444; May 15; v. 238; p. 894.
- Barber, Howard M., Stonington, Conn., assignor, by mesne assignments, to C. B. Cottrell & Sons Company, New York, N. Y. Printing-plate-shaving machine. No. 1,212,730; Jan. 16; v. 234; p. 881.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Cutting and folding machine. No. 1,214,877; Feb. 6; v. 235; p. 137.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Cutting and folding machine. No. 1,214,878; Feb. 6; v. 235; p. 137.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Delivery mechanism for sheet-feed rotary presses. No. 1,223,023; Apr. 17; v. 237; p. 779.
- Barber, Howard M., Stonington, Conn., assignor, by mesne assignments, to C. B. Cottrell & Sons Company, New York, N. Y. Sheet-delivery apparatus for printing-machines. No. 1,225,743; May 15; v. 238; p. 656.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Flat-sheet-delivery mechanism for printing-presses. No. 1,226,168; May 15; v. 238; p. 800.
- Barber, Howard M., Stonington, Conn., assignor, by mesne assignments, to C. B. Cottrell & Sons Company, New York, N. Y. Combined cover and center-page-insert sheet feeding and folding mechanism. No. 1,229,399; June 12; v. 239; p. 395.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Cutting and folding machine. No. 1,231,555; July 3; v. 240; p. 4.
- Barber, Howard M., Stonington, Conn., assignor, by mesne assignments, to C. B. Cottrell & Sons Company, New York, N. Y. Automatic tension device and brake for web-rolls. No. 1,242,638; Oct. 9; v. 243; p. 412.
- Barber, Howard M., Stonington, Conn., assignor, by mesne assignments, to C. B. Cottrell & Sons Company, New York, N. Y. Rotary perfecting sheet-printing mechanism. No. 1,242,908; Oct. 16; v. 243; p. 532.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Sheet cutting, stitching, and folding machine. No. 1,242,909; Oct. 16; v. 243; p. 532.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Creasing mechanism for sheet collecting and folding machines. No. 1,243,684; Oct. 23; v. 243; p. 800.
- Barber, Howard M., Stonington, Conn., assignor, by mesne assignments, to C. B. Cottrell & Sons Company, New York, N. Y. Static-electricity dissipator for paper webs or sheets. No. 1,244,015; Oct. 23; v. 243; p. 906.
- Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Delivery mechanism for sheet-feed rotary presses. No. 1,245,550; Nov. 6; v. 244; p. 124.
- Barber, Howard M., assignor to C. B. Cottrell & Sons Company, Stonington, Conn. Signature-handling machine. No. 1,248,789; Dec. 4; v. 245; p. 108.
- Barber, John W., Newton, Mass. Coupling or clutch. No. 1,214,985; Feb. 6; v. 235; p. 178.
- Barber, Ralph, Jr., Millville, assignor to V. Durand, Jr., Vineland, N. J. Tool for use in tubulating hollow glass articles. No. 1,230,367; June 19; v. 239; p. 753.
- Barber, Ralph, Jr., Millville, assignor to V. Durand, Jr., Vineland, N. J. Tubulating glass bottles, retorts, and the like. No. 1,230,368; June 19; v. 239; p. 753.
- Barber, Robert B., Hazleton, Pa. Tank-filling valve. No. 1,219,690; Mar. 20; v. 236; p. 694.
- Barber, William J., assignor to The Liberty Mop & Specialty Manufacturing Company, Cleveland, Ohio. Combined mop and wringer. No. 1,249,885; Dec. 11; v. 245; p. 454.
- Barbey, Francis A., *et al.* (See McManama, John W., assignor.)

Alphabetical list of patentees—Continued.

- Barbier, Alexandre, Lyon, France. Loom. No. 1,212,312; Jan. 16; v. 234; p. 732.
- Barbieri, Cesare, Chicago, assignor to Black Products Co., Riverdale, Ill. Molding-machine for plastic material. No. 1,238,980; Sept. 4; v. 242; p. 84.
- Barbour, John P. (See Simpson and Barbour.)
- Barbour, Lou, Los Angeles, Cal. Collapsible basket. No. 1,233,832; July 17; v. 240; p. 823.
- Barbour, Robert, Paterson, N. J. Internal-combustion engine. No. 1,249,588; Dec. 11; v. 245; p. 365.
- Barcalo Manufacturing Company. (See Vallone, Charles, assignor.)
- Barchel, John E. (See Roberts and Barchel.)
- Barck, Henry W., Luverne, Minn. Disk attachment for cultivators. No. 1,233,015; July 10; v. 240; p. 521.
- Barcus, Albert M., Raymond, Wash. Combined hose and bucket rack. No. 1,241,605; Oct. 2; v. 243; p. 45.
- Barcus, George N., and J. Hockett, Wabash, Ind. Gas-generating means for explosive-engines. No. 1,234,116; July 24; v. 240; p. 949.
- Barcus, John W., Baltimore, Md. Aeroplane. No. 1,215,466; Feb. 13; v. 235; p. 376.
- Bard, Jacob W., assignor to Sangamo Electric Company, Springfield, Ill. Thermo-couple. No. 1,221,270; Apr. 3; v. 237; p. 96.
- Bard, Milton H., Johnstown, Pa. Gearing for motor-vehicles. No. 1,230,454; June 19; v. 239; p. 781.
- Bardeen Corporation, The. (See Bardeen, Hugh A., assignor.)
- Bardeen, Hugh A., Los Angeles, Cal. Roller-bit. No. 1,238,707; Aug. 28; v. 241; p. 1123.
- Bardeen, Hugh A., Venice, assignor to The Bardeen Corporation, Los Angeles, Cal. Process and apparatus for annealing pipe. No. 1,241,075; Sept. 25; v. 242; p. 839.
- Bardelle, Emile, New York, N. Y. Auxiliary tread for tires. No. 1,243,578; Oct. 16; v. 243; p. 736.
- Barden, Clifford A. (See Barden, Henry B. and C. A.)
- Barden, Henry B., Wallingford, Vt., and C. A. Barden, Wabash, Ind. Making tools. No. 1,220,060; Mar. 20; v. 236; p. 823.
- Bardet, Jean, Paris, France. Sugar breaking and packing machine. No. 1,218,355; Mar. 6; v. 236; p. 163.
- Bardin, Abel, Paris, France. Multiple-plate reinforced glass and producing same. No. 1,223,135; Apr. 17; v. 237; p. 818.
- Bardin, Abel, Paris, France. Manufacture of reinforced glass. No. 1,228,165; May 29; v. 238; p. 1538.
- Bardons, George C. (See Oliver and Bardons.)
- Bardons, George C., assignor to Bardons and Oliver, Cleveland, Ohio. Turret-lathe. No. 1,224,889; May 8; v. 238; p. 325.
- Bardons and Oliver. (See Bardons, George C., assignor.)
- Bardons and Oliver. (See Oliver, John G., assignor.)
- Bardsley, William, Kearney, N. J. Door check and closer. No. 1,250,542; Dec. 18; v. 245; p. 686.
- Barducci, Pilade, Naples, Italy. Apparatus for treating alimentary pastes. No. 1,232,178; July 3; v. 240; p. 216.
- Barducci, Pilade, Naples, Italy. Drying-chamber. No. 1,248,437; Dec. 4; v. 245; p. 3.
- Barducci, Pilade, Naples, Italy. Drying-chamber. No. 1,248,438; Dec. 4; v. 245; p. 3.
- Barengueras, Luis S., Habana, Cuba. Self-packing fluid-pressure device. No. 1,233,438; July 17; v. 240; p. 695.
- Barengueras, Luis S., Habana, Cuba. Water-elevating apparatus. No. 1,233,439; July 17; v. 240; p. 695.
- Barfoed, Svend, Oakland, Cal. Electric furnace for fixing nitrogen from the air. No. 1,232,179; July 3; v. 240; p. 216.
- Bargamin, Clifford, Newport News, Va. Time-controlled trip mechanism for fireless cookers. No. 1,229,862; June 12; v. 239; p. 551.
- Bargamin, Clifford, Newport News, Va. Time-controlled mechanism. No. 1,229,863; June 12; v. 239; p. 551.
- Bargar, Frederick C., assignor to Nu-Ex Fire Appliance Company, Columbus, Ohio. Fire-extinguisher. No. 1,228,388; June 5; v. 239; p. 5.
- Bargar, Frederick C., assignor to The Bargar Manufacturing Company, Columbus, Ohio. Fire-extinguisher. No. 1,235,758; Aug. 7; v. 241; p. 74.
- Bargar Manufacturing Company, The. (See Bargar, Frederick C., assignor.)
- Barger, Ezra, Greenville, Tenn. Brake. No. 1,236,392; Aug. 14; v. 241; p. 308.
- Barger, Frank J., Dayton, Ohio. Cable-clamp. No. 1,248,991; Dec. 4; v. 245; p. 163.
- Barger, Henry W., Toledo, Ill. Combination power and steering knuckle. No. 1,212,882; Jan. 16; v. 234; p. 931.
- Barham, Walter J. (See Mitchell and Barham.)
- Baribault, Lucien J., New Haven, Conn. Rotary-cutter machine. No. 1,243,797; Oct. 23; v. 243; p. 840.
- Barieau, Jerome E., Colfax, Cal. Constant-flow module. No. 1,222,258; Apr. 10; v. 237; p. 471.
- Barker, Albert F., San Francisco, Cal. Clamp for advertising, manifold, and other sheets. No. 1,224,998; May 8; v. 238; p. 362.
- Barker, Albert M., San Jose, Cal. Device for packing prunes. No. 1,235,094; July 31; v. 240; p. 1294.
- Barker, Annie M., administrator. (See Barker and Adams.)
- Barker, Auriol, Cloncurry, Queensland, Australia. Propeller. No. 1,217,684; Feb. 27; v. 235; p. 1255.
- Barker, Ernest S., Brookline, assignor to United Drug Company, Boston, Mass. Dispenser for liquids. No. 1,216,199; Feb. 13; v. 235; p. 642.
- Barker, Fredrick W., Coopers Plains, N. Y. Receptacle-cover and fastener therefor. No. 1,211,384; Jan. 9; v. 234; p. 379.
- Barker, George H., Pasadena, Cal. Means for preventing frost on trees and other vegetation. No. 1,225,394; May 8; v. 238; p. 496.
- Barker, George H., Pasadena, assignor to Improved Sanitary Fixture Company, Los Angeles, Cal. Bath-tub and lavatory direct waste. No. 1,215,237; Feb. 6; v. 235; p. 263.
- Barker, George R. (See Tar'Bush, Hubert, assignor.)
- Barker, Harry J., Oak Park, Ill. Toggle-gear. No. 1,237,150; Aug. 14; v. 241; p. 553.
- Barker, John, Los Angeles, Cal. Folding sunshade and tent. No. 1,225,917; May 15; v. 238; p. 715.
- Barker, John C., London, England. Pneumatic tire. No. 1,244,447; Oct. 23; v. 243; p. 1034.
- Barker, John P., assignor to Los Angeles Motor Car Company, Los Angeles, Cal. Valve. No. 1,229,571; June 12; v. 239; p. 453.
- Barker, Lee W., Arrington, Kans. Spool for supporting wire. No. 1,250,766; Dec. 18; v. 245; p. 751.
- Barker, Melville H., deceased, Boston, and C. A. Adams, Cambridge; A. M. Barker, administratrix, assignors to American Tool & Machine Company, Boston, Mass. Means for mounting and driving centrifugal machines. No. 1,232,754; July 10; v. 240; p. 438.
- Barker, Noah, Severs, Iowa. Temperature-controlling device. No. 1,224,862; May 1; v. 238; p. 263.
- Barker, Noel W., Victoria, British Columbia, Canada. Drain and relief valve. No. 1,225,744; May 15; v. 238; p. 657.
- Barker, Norman M., Houghton, Mich. Power reverse-gear for locomotives. No. 1,249,299; Dec. 11; v. 245; p. 284.
- Barker, Philip. (See Christian and Barker.)
- Barker, Valmond, Cleveland, Ohio. Spring-wheel. No. 1,250,942; Dec. 25; v. 245; p. 855.
- Barker, Walter G. (See Wilkinson and Barker.)
- Barker, Wendell A., Chicago, Ill. Chuck. No. 1,249,300; Dec. 11; v. 245; p. 284.
- Barker, William J., Flint, Mich. Universal joint. No. 1,228,166; May 29; v. 238; p. 1538.
- Barkey, Arnold A. (See Hueber, Henry, assignor.)
- Barkley, Fred W., assignor to American Drafting Furniture Co., Rochester, N. Y. Photographic-printing machine. No. 1,243,685; Oct. 23; v. 243; p. 801.
- Barkman, Martin E., Hillsboro, Kans. Compressed-air tank. No. 1,250,078; Dec. 11; v. 245; p. 507.
- Barks, Frank S., St. Louis, Mo. Metal beam. No. 1,217,685; Feb. 27; v. 235; p. 1255.
- Barksdale, Clement D., Petersburg, Va. Trunk. No. 1,224,863; May 1; v. 238; p. 264.
- Barksdale, Clement D., assignor to Seward Trunk and Bag Company, Petersburg, Va. Trunk-lock. No. 1,218,043; Mar. 6; v. 236; p. 54.
- Barler, Richard O., Chicago, Ill. Ink-pad box. No. 1,218,160; Mar. 6; v. 236; p. 95.
- Barlow, John B., Walker township, Kent county, Mich. Holder for phonograph-records. No. 1,238,735; Sept. 4; v. 242; p. 5.
- Barlow, Lester P., Philadelphia, Pa., assignor, by mesne assignments, to Marlin Arms Corporation, New York, N. Y. Aerial mortar. No. 1,235,637; Aug. 7; v. 241; p. 35.
- Barlow, Lester P., Philadelphia, Pa., assignor to Marlin Arms Corporation, New York, N. Y. Aerial hand-grenade. No. 1,237,012; Aug. 14; v. 241; p. 511.
- Barmon, Daniel W., assignor to Space-Marker Company, Buffalo, N. Y. Space-marking device. No. 1,249,301; Dec. 11; v. 245; p. 284.
- Barnaby, Charles W., New York, N. Y. Type-writer platen. No. 1,226,626; May 22; v. 238; p. 991.
- Barnaby, Charles W., New York, N. Y. Draftsman's triangle and protractor. No. 1,231,115; June 26; v. 239; p. 1043.
- Barnard, Arthur W., Newton Center, assignor to Colonial Scale Company, Boston, Mass. Automatic weighing-scale. No. 1,222,917; Apr. 17; v. 237; p. 742.
- Barnard, Charles A., Gardner, Mass. Wood-bending machine. No. 1,249,302; Dec. 11; v. 245; p. 284.
- Barnard, Dudley J., East Ham, England. Grab. No. 1,218,921; Mar. 13; v. 236; p. 400.
- Barnard, John H., Brooklyn, N. Y. Sectional mounting of charts, &c. No. 1,225,305; May 8; v. 238; p. 466.
- Barnard and Leas Manufacturing Company. (See Cornwall, John B., assignor.)
- Barnard, Walter E., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Copy-holder. No. 1,226,939; May 22; v. 238; p. 1097.
- Barnard, Walter E., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,228,637; June 5; v. 239; p. 89.
- Barney, Archibald W., Kansas City, Mo. Tobacco-pipe. No. 1,244,410; Oct. 23; v. 243; p. 1024.
- Barner, Emmett E. (See Sheaffer, William J., assignor.)
- Barnes, Charles E., Hancock, N. Y. Oscillating bob-knee. No. 1,212,883; Jan. 16; v. 234; p. 931.
- Barnes, Chester A., Blue Grass, Iowa. Hog-trough. No. 1,234,117; July 24; v. 240; p. 950.

- Barnes, Edward M., Hastings, assignor to Acme Paper Curing Co., Kalamazoo, Mich. Paper-curing machine. No. 1,215,760; Feb. 13; v. 235; p. 484.
- Barnes, Emma F., Somerville, N. J. Fence. No. 1,251,168; Dec. 25; v. 245; p. 921.
- Barnes, Emory M., Wichita, Kans. Music-leaf turner. No. 1,251,169; Dec. 25; v. 245; p. 921.
- Barnes, Franklin G., Wynnum South, near Brisbane, Queensland, assignor to Barnes Train Stop Company, Limited, Brisbane, Australia. Automatic safety-controller for permanent-way locomotives and the like. No. 1,216,049; Feb. 13; v. 235; p. 589.
- Barnes, Frederick W., assignor to Eastman Kodak Company, Rochester, N. Y. Ray-filter holder. No. 1,228,389; June 5; v. 239; p. 5.
- Barnes, Harold B., Denver, Colo. Audible indicating device. No. 1,243,915; Oct. 23; v. 243; p. 876.
- Barnes, Henry, Brooklyn, N. Y. Window-sash lock-stop. No. 1,219,424; Mar. 20; v. 236; p. 601.
- Barnes, Henry J., Youngstown, Ohio. Railway-tie. No. 1,213,448; Jan. 23; v. 234; p. 1162.
- Barnes, James N., assignor of one-half to S. R. Seybold, New Kensington, Pa. Apparatus for making sheet-glass. No. 1,247,617; Nov. 27; v. 244; p. 828.
- Barnes, John A. (See Miller and Barnes.)
- Barnes, John E. L. (See Sloan and Barnes.)
- Barnes, John W., Rock Ferry, England. Boring-bar for use in the manufacture of ammunition-shells or the like. No. 1,225,745; May 15; v. 238; p. 657.
- Barnes, Lew A., Chicago, Ill. Apparatus for building concrete structures. No. 1,211,812; Jan. 9; v. 234; p. 526.
- Barnes, Lew A., Chicago, Ill. Adjustable supporting device. No. 1,227,105; May 22; v. 238; p. 1155.
- Barnes, Llewellyn T., Sea Cliff, assignor to National Meter Company, New York, N. Y. Water-meter or meter system. No. 1,232,180; July 3; v. 240; p. 217.
- Barnes Manufacturing Company, The. (See Gorman, James C., Jr., assignor.)
- Barnes, Pearl V., Seattle, Wash. Sleeping-bag. No. 1,241,699; Oct. 2; v. 243; p. 74.
- Barnes, Pierre. (See Winningham, Marcellus M., assignor.)
- Barnes, Theodore, Chariton, Iowa. Permutation-lock for electric switches. No. 1,246,037; Nov. 13; v. 244; p. 298.
- Barnes Train Stop Company. (See Barnes, Franklin G., assignor.)
- Barnes, William F., Spartanburg, S. C. Tag. No. 1,226,050; May 15; v. 238; p. 761.
- Barnes, William M., Circleville, Ohio. Automatic brake for vehicles. No. 1,244,942; Oct. 30; v. 243; p. 1224.
- Barnes, William O., Leominster, Mass. Means for truing wheels for grinding formed cutters. No. 1,236,898; Aug. 14; v. 241; p. 473.
- Barnett, Arthur R., Seattle, Wash. Refrigerator. No. 1,232,268; July 3; v. 240; p. 245.
- Barnett, Charles J., Neodesha, Kans. Machine for roughening clay ribbons. No. 1,221,014; Apr. 3; v. 237; p. 4.
- Barnett, Charles W., assignor of one-half to J. E. Meacham, Phoenix, Ariz. Heating system for automobiles, &c. No. 1,247,783; Nov. 27; v. 244; p. 880.
- Barnett, Edward G., Concordville, Pa. Can-bottom. No. 1,237,151; Aug. 14; v. 241; p. 554.
- Barnett, Horatio, Malvern, Ark. Nut-lock. No. 1,217,686; Feb. 27; v. 235; p. 1255.
- Barnett, Isaac, New York, N. Y. Combination pinning and riveting machine. No. 1,235,873; Aug. 7; v. 241; p. 112.
- Barnett, John B., assignor of two-thirds to H. C. Hermes-meyer, Fort Worth, and one-third to R. D. Erwin, McKinney, Tex. Display advertising-machine. No. 1,242,639; Oct. 9; v. 243; p. 413.
- Barnett, Julius P., Donnellson, Iowa. Cigarette-lifter. No. 1,241,463; Sept. 25; v. 242; p. 961.
- Barnett, Maurice, and L. Burgess, New York, N. Y. Producing aluminum carbide. No. 1,219,797; Mar. 20; v. 236; p. 731.
- Barnett, Maurice, and L. Burgess, New York, N. Y. Producing aluminum carbide. No. 1,222,593; Apr. 17; v. 237; p. 630.
- Barnett, Maurice, and L. Burgess, New York, N. Y., assignors to Alchor Chemical Company. Producing aluminum chlorid. No. 1,218,588; Mar. 6; v. 236; p. 241.
- Barnett, Morrisson J., Los Angeles, assignor to E. Beaulieu, Alderpoint, Cal. Camera-shutter-operating device. No. 1,277,991; May 29; v. 238; p. 1482.
- Barnett, Otto R. (See Laas, Edward, assignor.)
- Barnett, Otto R. (See Sporenburg, Hiram H., assignor.)
- Barnett, Otto R., Glencoe, Ill. Anticreeper. No. 1,248,790; Dec. 4; v. 245; p. 108.
- Barnett, Solomon V., and J. W. Holloway, Prague, Okla. Corn-harvester. No. 1,227,235; May 22; v. 238; p. 1199.
- Barnett, Stewart R., Albany, assignor to Crary Brokerage Company, Waukesha, Wis. Food. No. 1,230,817; June 19; v. 239; p. 901.
- Barnett, Thomas F., Lewisburg, Tenn. Bucket. No. 1,232,181; July 3; v. 240; p. 217.
- Barnett, Walter, and J. Floredine, Rugby, England. Conveyor mechanism particularly applicable for road-sweeping and other machines. No. 1,248,992; Dec. 4; v. 245; p. 164.
- Barnett, William A., Lincoln, Nebr. Tatting-shuttle winder. No. 1,248,243; Nov. 27; v. 244; p. 1007.
- Barney, Edwin E., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,216,761; Feb. 13; v. 235; p. 484.
- Barney, Edwin E., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,230,094; June 19; v. 239; p. 661.
- Barney, Edwin E., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,247,616; Nov. 27; v. 244; p. 827.
- Barney, Edwin E., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,247,920; Nov. 27; v. 244; p. 918.
- Barney, Fred H., Tulsa, Okla. Pump-rod or pitman connection. No. 1,243,031; Oct. 16; v. 243; p. 573.
- Barnhart, Harry J., assignor to The Osgood Company, Marion, Ohio. Steering-gear for revolving steam-shovels. No. 1,214,264; Jan. 30; v. 234; p. 1471.
- Barnhart, John E. (See Hayes, John P., assignor.)
- Barnhart, Walter J. (See White and Barnhart.)
- Barnhurst, Henry G. (See Wood and Barnhurst.)
- Barnickel, William S., St. Louis, Mo. Treatment of crude oil. No. 1,223,659; Apr. 24; v. 237; p. 1032.
- Barnickel, William S., St. Louis, Mo. Apparatus for treating natural oils and residues of same. No. 1,223,660; Apr. 24; v. 237; p. 1032.
- Barnum, Ashbell W., Benton, Ill. Safety pick-handle. No. 1,248,993; Dec. 4; v. 245; p. 164.
- Barnum, Thomas E., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Resistance unit. No. 1,226,627; May 22; v. 238; p. 992.
- Barnum, Thomas E., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,237,454; Aug. 21; v. 241; p. 690.
- Barnum, Thomas E., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,245,551; Nov. 6; v. 244; p. 124.
- Barnwell, John S., Chattanooga, Tenn. Cuspidor. No. 1,212,000; Jan. 9; v. 234; p. 594.
- Barnwell, Stephen E., assignor to Hiro Manufacturing Company, Louisville, Ky. Hot-air attachment for manfolds. No. 1,218,508; Mar. 6; v. 236; p. 214.
- Baron, Auguste B., and C. M. A. Guinard, Paris, France. Automatic apparatus for aerial photography. No. 1,212,884; Jan. 16; v. 234; p. 932.
- Baron, Charles S., Seneca, Ohio. Closure for jugs, &c. No. 1,248,598; Dec. 4; v. 245; p. 51.
- Baron, Joseph, Rockaway Beach, assignor of one-half to H. Lutrin, Arverne, N. Y. Window-cleaning machine. No. 1,216,399; Feb. 20; v. 235; p. 766.
- Barr, Albert D., McHue, Ark. Medicament and producing the same. No. 1,235,278; July 31; v. 240; p. 1349.
- Barr, Ammon D. (See Barton, Edward H., assignor.)
- Barr, Andrew J., assignor of one-half to H. E. Homberger, Mansfield, Ohio. Combined fixture and valve for lavatories or the like. No. 1,228,739; June 5; v. 239; p. 124.
- Barr, Archibald, and W. Stroud, assignors to Barr and Stroud, Limited, Glasgow, Anniesland, Scotland. Optical adjuster for range-finders. No. 1,229,209; June 12; v. 239; p. 330.
- Barr, Arval, Newburgh, Ind. Emergency-lock. No. 1,232,182; July 3; v. 240; p. 217.
- Barr, Charles F., and W. R. Miller, Winchester, Va. Photographic-film support. No. 1,214,408; Jan. 30; v. 234; p. 1522.
- Barr, Frederic, deceased; The Equitable Trust Company of New York, New York, N. Y., executor. Electric pull-socket. No. 1,230,983; June 26; v. 239; p. 998.
- Barr, Henry H., Sparta, Wis. Vehicle-fender. No. 1,220,930; Mar. 27; v. 236; p. 1161.
- Barr, Howard. (See Barr, Samuel D., assignor.)
- Barr, Jessie, and E. A. Myers, Brooklyn, N. Y. Educational appliance. No. 1,228,391; June 5; v. 239; p. 5.
- Barr, John H., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,215,762; Feb. 13; v. 235; p. 485.
- Barr, John H., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,217,898; Mar. 6; v. 236; p. 4.
- Barr, John H., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing and computing machine. No. 1,232,755; July 10; v. 240; p. 439.
- Barr, John H., assignor to Kansas City Folding and Marking Machine Co., Kansas City, Mo. Label folding and marking machine. No. 1,243,032; Oct. 16; v. 243; p. 573.
- Barr, John H., and A. W. Smith, New York, assignors to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,250,416; Dec. 18; v. 245; p. 648.
- Barr, John M. (See Bailey, Barr, More, and Long.)
- Barr, Morris A., Ardmore, Pa. Quick-change machine. No. 1,238,083; Aug. 28; v. 241; p. 922.
- Barr, Samuel D., Beach City, assignor of one-half to H. Barr, Apple Creek, Ohio. Self-rising-flour-mixing machine. No. 1,222,584; Apr. 10; v. 237; p. 588.
- Barr and Stroud, Limited. (See Barr and Stroud, assignors.)
- Barraja-Frauenfelder, Joseph, Bridgeport, assignor to The Lake Torpedo Boat Company of Maine, Fairfield, Conn. Exhaust-valve for engine-mufflers. No. 1,233,291; July 10; v. 240; p. 609.

Alphabetical list of patentees—Continued.

- Barratt, William T., assignor to C. S. Kehoe, A. and A. J. Cooper, executors, Bennington, Vt. Circular-knitting machine. No. 1,230,837; June 26; v. 239; p. 948.
- Barre, John R., Los Angeles, assignor to Standard Felt Company, West Alhambra, Cal. Stretching and drying rack. No. 1,237,742; Aug. 21; v. 241; p. 783.
- Barrell, William L., Lawrence, Mass. Shuttle-threading mechanism. No. 1,210,584; Jan. 2; v. 234; p. 71.
- Barrell, William L., Lawrence, Mass. West-replenishing loom. No. 1,221,410; Apr. 3; v. 237; p. 144.
- Barrenpohl, Charles J., New York, N. Y. Lifting device. No. 1,216,541; Feb. 20; v. 235; p. 815.
- Barrett Changer Co. (See Barrett, Glenn J., assignor.)
- Barrett, Clarence, assignor of one-third to G. Morrow and one-third to R. D. Salisbury, Salt Lake City, Utah. Aerial torpedo. No. 1,228,281; May 29; v. 238; p. 1575.
- Barrett, Claud H., Boone, Iowa. Nut-lock. No. 1,246,378; Nov. 13; v. 244; p. 401.
- Barrett Company, The. (See Eckert, Clarence R., assignor.)
- Barrett Company, The. (See Stewart, Edwin F., assignor.)
- Barrett, Edward J., New York, N. Y. Lock device for shade-rollers. No. 1,236,393; Aug. 14; v. 241; p. 308.
- Barrett, Edward R., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding and listing machine. No. 1,214,000; Jan. 30; v. 234; p. 1381.
- Barrett, Glenn J., Grand Rapids, Mich., assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing and computing machine. No. 1,227,236; May 22; v. 238; p. 1200.
- Barrett, Glenn J., Grand Rapids, Mich., assignor to Barrett Changer Co., Chicago, Ill. Coin-delivery means for change-making machines and the like. No. 1,238,736; Sept. 4; v. 242; p. 5.
- Barrett, Glenn J., Grand Rapids, Mich., assignor to Barrett Changer Co., Chicago, Ill. Automatic coin-paying and change-making machine. No. 1,247,618; Nov. 27; v. 244; p. 828.
- Barrett, Halsey M., *et al.*, receivers. (See Kroger, Fred H., assignor.)
- Barrett, Hiram A., Knoxville, Ill. Tank-heater. No. 1,237,994; Aug. 21; v. 241; p. 861.
- Barrett, Jesse B., Jamestown, N. Y. Combined water and pneumatic pump. No. 1,250,417; Dec. 18; v. 245; p. 648.
- Barrett, John B., Annapolis Royal, Nova Scotia, Canada. Insecticide. No. 1,230,648; June 19; v. 239; p. 847.
- Barrett Manufacturing Company. (See Harshberger, Norman P., assignor.)
- Barrett Manufacturing Company. (See Perry, Ray P., assignor.)
- Barrett, Thomas J., Irvington, assignor, by mesne assignments, to Autographic Recorder Company, Newark, N. J. Distance and speed indicator and recorder. No. 1,213,801; Jan. 23; v. 234; p. 1282.
- Barrett, William N., Meadville, Pa. Snubber. No. 1,228,515; June 5; v. 239; p. 48.
- Barringer, George W., Lawrence, N. Y. Combined umbrella and tent. No. 1,219,905; Mar. 20; v. 236; p. 768.
- Barringer, Worth R., Grand Junction, Colo. Evaporation-refrigerator. No. 1,239,250; Sept. 4; v. 242; p. 171.
- Barringer, Worth R., assignor to The Public Safety Device Company, Denver, Colo. Guard for bottle-corks. No. 1,243,916; Oct. 23; v. 243; p. 877.
- Barron, Andrew F., Watervliet, N. Y. Nut-lock. No. 1,230,649; June 19; v. 239; p. 847.
- Barron, Lon. (See Nygreen, Theodore W., assignor.)
- Barron, William L. (See Fifeid and Barron.)
- Barron, William L., New York, N. Y., assignor to The Singer Manufacturing Company. Thread-cutting mechanism for sewing-machines. No. 1,228,871; June 5; v. 239; p. 170.
- Barron, William L., New York, N. Y., assignor to The Singer Manufacturing Company. Thread cutting and holding device for sewing-machines. No. 1,234,258; July 24; v. 240; p. 996.
- Barron, William L., New York, N. Y., and F. E. Osol, Elizabeth, N. J., assignors to The Singer Manufacturing Company. Button-sewing machine. No. 1,240,921; Sept. 25; v. 242; p. 794.
- Barron, William L., New York, N. Y., and F. E. Osol, Elizabeth, N. J., assignors to The Singer Manufacturing Company. Stop-motion device for sewing-machines. No. 1,244,458; Oct. 30; v. 243; p. 1076.
- Barron, William L., New York, N. Y., and F. E. Osol, Elizabeth, N. J., assignors to The Singer Manufacturing Company. Sewing-machine guide. No. 1,246,030; Nov. 6; v. 244; p. 264.
- Barrow, Charles A., and J. Karpen, Racine, Wis. Siphon. No. 1,240,532; Sept. 18; v. 242; p. 639.
- Barrow, Charles J., Los Angeles, Cal., assignor to General Electric Company. Protective device for electric distributing systems. No. 1,220,813; Mar. 27; v. 236; p. 1128.
- Barrow, James M., Bienville, La. Freight-car door. No. 1,236,040; Aug. 7; v. 241; p. 167.
- Barrow, John H., Chicago, Ill. Envelop-sealer. No. 1,217,083; Feb. 20; v. 235; p. 997.
- Barrow, John H., Chicago, Ill. Stamp-affixer. No. 1,217,387; Feb. 27; v. 235; p. 1148.
- Barrows, Frank L., Moscow, Idaho. Attachment for phonographs. No. 1,225,560; May 8; v. 238; p. 551.
- Barrows, Frank L., Moscow, Idaho. Attachment for phonographs. No. 1,225,561; May 8; v. 238; p. 552.
- Barrows, Leon D., New York, N. Y., and H. P. Charlesworth, East Orange, N. J., assignors to American Telephone and Telegraph Company. System for connecting telephone-stations. No. 1,227,735; May 29; v. 238; p. 1394.
- Barrus, George H., Brookline, Mass. Meter for steam, air, or other gases. No. 1,217,899; Mar. 6; v. 236; p. 5.
- Barrus, George H., Brookline, Mass., assignor to International Paper Company. Testing attachment for steam-heated drying-cylinders. No. 1,249,886; Dec. 11; v. 245; p. 454.
- Barry, Mack C., Atlanta, Ga. Rapid-fire gun. No. 1,233,165; July 10; v. 240; p. 571.
- Barry Manufacturing Company. (See Barry, Nicholas, assignor.)
- Barry, Nicholas, Muscatine, Iowa. Pulley-stand. No. 1,244,943; Oct. 30; v. 243; p. 1224.
- Barry, Nicholas, assignor to Barry Manufacturing Company, Muscatine, Iowa. Metal split pulley. No. 1,223,024; Apr. 17; v. 237; p. 779.
- Barry, Nicholas, and C. Allen, Muscatine, Iowa. Acetylene-torch. No. 1,248,994; Dec. 4; v. 245; p. 164.
- Barry, Thomas F., assignor to Rubber & Celluloid Harness Trimming Co., Newark, N. J. Brush. No. 1,212,313; Jan. 16; v. 234; p. 732.
- Barry-Wehmiller Machinery Company. (See Baenninger, Juan, assignor.)
- Barry-Wehmiller Machinery Company. (See Dawson, Joseph W., assignor.)
- Barry-Wehmiller Machinery Company. (See Wehmiller, Alfred H., assignor.)
- Barry, William A., Kittanning, Pa. Collapsible drum. No. 1,223,237; Apr. 17; v. 237; p. 851.
- Barsby, Harry H., A. G. Stephenson, and W. C. Browne, Denver, Colo. Safety disappearing car and house steps. No. 1,240,922; Sept. 25; v. 242; p. 794.
- Barschow, Hubert A., Kankakee, assignor to Sears, Roebuck and Company, Chicago, Ill. Lighting arrangement for oil-stoves. No. 1,213,328; Jan. 23; v. 234; p. 1121.
- Barschow, Hubert A., Kankakee, assignor to Sears, Roebuck and Company, Chicago, Ill. Oil-burner. No. 1,219,906; Mar. 20; v. 236; p. 769.
- Barson, Harry W., Chicago, Ill., assignor to Acme Scale Co. Coin-controlled weighing-scale. No. 1,214,499; Feb. 6; v. 235; p. 5.
- Barstow, Edwin O., and T. Griswold, Jr., Midland, Mich. Method of and apparatus for extracting oils and the like. No. 1,238,084; Aug. 28; v. 241; p. 922.
- Barstow, Edwin O., and J. A. Cavanagh, assignors to Dow Chemical Company, Midland, Mich. Making lead arsenate. No. 1,228,516; June 5; v. 239; p. 49.
- Barszczewski, Marian B. (See Drozd, Wicenty, assignor.)
- Bart, Heinrich, Landau, Germany. Sterilizing animal and vegetable products. No. 1,250,079; Dec. 11; v. 245; p. 508.
- Bartel, Leo, and J. Hildebrand, Fremont, Wis. Drag-harrow. No. 1,222,918; Apr. 17; v. 237; p. 743.
- Bartells, Edwin J., assignor to Pacific Creosoting Company, Seattle, Wash. Paving-block. No. 1,222,061; Apr. 10; v. 237; p. 401.
- Bartels, Amandus, Harburg-on-the-Elbe, Germany. Manufacture of horny substances from casein. No. 1,211,526; Jan. 9; v. 234; p. 427.
- Bartels, Carl. (See Mosler and Bartels.)
- Bartels, Reinhard E., Winchester, Mass. Preparing soles. No. 1,237,152; Aug. 14; v. 241; p. 554.
- Bartezki, Emil A., St. Louis, Mo. Signaling device. No. 1,233,833; July 17; v. 240; p. 823.
- Bartiges, Ervin A., State College, Pa. Combined shade-roller and curtain-pole bracket. No. 1,232,479; July 10; v. 240; p. 348.
- Barth, Carl G., Philadelphia, Pa. Lathe. No. 1,226,051; May 15; v. 238; p. 761.
- Barth, Carl G., Philadelphia, Pa., and F. Öyen, Stabæk, Norway. Method and means for measuring belts under tension. No. 1,250,943; Dec. 25; v. 245; p. 855.
- Barth, Delpha E., and S. F. Collins, Telluride, Colo. Cooking vessel. No. 1,214,409; Jan. 30; v. 234; p. 1522.
- Barth, Frank. (See Bloom and Barth.)
- Barthel, Oliver E., Detroit, Mich. Piston. No. 1,224,999; May 8; v. 238; p. 362.
- Barthel, Oliver E., Detroit, Mich., assignor to Standard Steel Car Co., Pittsburgh, Pa. Motor-vehicle. No. 1,234,854; July 31; v. 240; p. 1218.
- Barthel, Oliver E., Detroit, Mich., assignor to Pittsburgh Model Engine Company, Pittsburgh, Pa. Explosive-engine. No. 1,234,855; July 31; v. 240; p. 1218.
- Bartheld, Alvin W., Beach, N. D. Scale-weight. No. 1,217,687; Feb. 27; v. 235; p. 1255.
- Bartholo, Alipio C., New Bedford, Mass. Music-lauf turner. No. 1,236,531; Aug. 14; v. 241; p. 354.
- Bartholomew, John B., assignor to Avery Company, Peoria, Ill. Gang-plow. No. 1,227,237; May 22; v. 238; p. 1200.
- Bartholomew, John B., Peoria, Ill., assignor to Avery Company. Traction-wheel. No. 1,229,210; June 12; v. 239; p. 330.
- Bartholomew, John B., assignor to Avery Company, Peoria, Ill. Steering device for tractors. No. 1,248,599; Dec. 4; v. 245; p. 52.

- Bartholomew, Ohmer H., assignor of one-half to J. Halbrohr, Peoria, Ill. Wheel-rim. No. 1,219,798; Mar. 20; v. 236; p. 731.
- Bartholomew, Thomas, Columbus, Ohio. Toothpick-holder. No. 1,227,031; May 22; v. 238; p. 1130.
- Bartholomew, William, Chicago, Ill., assignor to Troy Laundry Machinery Company, Ltd. Bearing for vertical shafts. No. 1,213,145; Jan. 23; v. 234; p. 1056.
- Bartholomew, William, assignor to Troy Laundry Machinery Company, Ltd., Chicago, Ill. Safety device for centrifugal extractors. No. 1,214,986; Feb. 6; v. 235; p. 178.
- Bartholomew, William, assignor to Troy Laundry Machinery Company, Limited, Chicago, Ill. Centrifugal extractor. No. 1,224,890; May 8; v. 238; p. 325.
- Bartholomew, William, assignor to Troy Laundry Machinery Company, Limited, Chicago, Ill. Safety mechanism for centrifugal extractors. No. 1,238,085; Aug. 28; v. 241; p. 922.
- Bartholomew, William, Chicago, Ill., assignor to Troy Laundry Machinery Company. Outlet-valve for washing-machines. No. 1,241,326; Sept. 25; v. 242; p. 921.
- Bartholomew, William, Chicago, Ill., assignor to Troy Laundry Machinery Company, Ltd. Fire-door seal. No. 1,250,119; Dec. 11; v. 245; p. 519.
- Bartholomew, William, and C. M. Leary, assignors to Troy Laundry Machinery Company, Ltd., Chicago, Ill. Starch-table. No. 1,211,385; Jan. 9; v. 234; p. 380.
- Bartholomew, William, and J. F. Broderick, assignors to Troy Laundry Machinery Company, Ltd., Chicago, Ill. Safety device for centrifugal extractors. No. 1,214,987; Feb. 6; v. 235; p. 179.
- Bartholomew, William, and G. Simon, assignors to Troy Laundry Machinery Company, Limited, Chicago, Ill. Alternating rotary gearing. No. 1,245,308; Nov. 6; v. 244; p. 50.
- Bartholomew, William, J. F. Broderick, and F. Balzer, assignors to Troy Laundry Machinery Company, Ltd., Chicago, Ill. Safety-guard for centrifugal extractors. No. 1,214,988; Feb. 6; v. 235; p. 179.
- Bartlett, Charles A., Cape Breton, Nova Scotia, Canada. Oil-can. No. 1,211,043; Jan. 2; v. 234; p. 230.
- Bartlett, Charles H., Cambridge, Mass. Book-holder. No. 1,215,898; Feb. 13; v. 235; p. 533.
- Bartlett, Earle H., Kansas City, Mo. Adjustable window-shelf. No. 1,224,127; May 1; v. 238; p. 4.
- Bartlett, Edwin B., Hyde Park, Mass. Arbor-press. No. 1,234,259; July 24; v. 240; p. 996.
- Bartlett, Evan A., Fairmont, W. Va. Posterior injection-protector. No. 1,225,000; May 8; v. 238; p. 362.
- Bartlett, Frederick P., *et al.* (See Stewart, Andrew B assignor.)
- Bartlett, Henry C., Jr., Owensboro, Ky. Self-filling fountain-pen. No. 1,217,900; Mar. 6; v. 236; p. 5.
- Bartlett, Henry T. and J. E., and J. T. Robinson, Montgomery, Ala. Delivery-cabinet. No. 1,239,663; Sept. 11; v. 242; p. 329.
- Bartlett, John E. (See Bartlett and Robinson.)
- Bartlett, John H., assignor to Columbia Paper Bag Company, Baltimore, Md. Machine for making paper bags. No. 1,218,356; Mar. 6; v. 236; p. 163.
- Bartlett, John H., assignor to The Oshkosh Trunk Company, Oshkosh, Wis. Laundry-bag for trunks. No. 1,225,001; May 8; v. 238; p. 362.
- Bartlett, John S., Kalamazoo township, Kalamazoo county, Mich. Mining system and means. No. 1,233,301; July 17; v. 240; p. 649.
- Bartlett, Kent W., Hammond, Ind. Liquid-treating apparatus. No. 1,233,016; July 10; v. 240; p. 521.
- Bartlett, Kent W., Hammond, Ind. Liquid-treating apparatus. No. 1,233,017; July 10; v. 240; p. 521.
- Bartlett, Louis, administrator. (See Sedgwick, Hiram G.)
- Bartlett, Robert R., and W. H. McClain, Hood River, Oreg., assignors to E. T. Burrowes, Portland, Me. Table. No. 1,235,416; July 31; v. 240; p. 1390.
- Bartley, Joseph S., Denver, Colo. Classifier. No. 1,240,923; Sept. 25; v. 242; p. 794.
- Barto, Benjamin R., Woodlawn, Pa. Bearing. No. 1,246,699; Nov. 13; v. 244; p. 495.
- Bartolomee, Carlo. (See Franchini and Bartolomee.)
- Bartolomeo, Dominick D., Troy, N. Y. License-plate for automobiles. No. 1,250,543; Dec. 18; v. 245; p. 686.
- Barton, Alfred, Marlboro, Mass., assignor to Beckwith Box Toe Company, Dover, N. H. Shoe-toe heater. (Reissue.) No. 14,334; July 31; v. 240; p. 1429.
- Barton, Bernard C., North Ferriby, England. Press. No. 1,238,981; Sept. 4; v. 242; p. 84.
- Barton, Bradford T., and W. M. Nolin, Colorado Springs, Colo. Automobile-jack. No. 1,216,923; Feb. 20; v. 235; p. 944.
- Barton, Edward H., assignor of one-half to A. D. Barr, Spokane, Wash. Clothes-drying rack. No. 1,230,265; June 19; v. 239; p. 719.
- Barton, Francis M. (See Schuster, Karl R. assignor.)
- Barton, Louis E., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Pigment and paint. No. 1,218,161; Mar. 6; v. 236; p. 95.
- Barton, Louis E., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Titanic-oxid product and obtaining the same. No. 1,223,356; Apr. 24; v. 237; p. 924.
- Barton, Louis E., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Composite titanitic-oxid pigment and producing the same. No. 1,223,357; Apr. 24; v. 237; p. 924.
- Barton, Louis E., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Method for producing basic titanitic-sulfate products and pure titanitic oxid therefrom. No. 1,223,358; Apr. 24; v. 237; p. 925.
- Barton, Louis E., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Composite titanitic-oxid pigment and producing the same. (Reissue.) No. 14,289; Apr. 24; v. 237; p. 1192.
- Barton, Louis E., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Producing composite titanitic-oxid products. No. 1,234,260; July 24; v. 240; p. 997.
- Barton, Louis E., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Obtaining oxid of titanium from materials incorporating other substances. No. 1,235,638; Aug. 7; v. 241; p. 36.
- Barton, Louis E., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Composite titanitic-oxid pigment and producing the same. No. 1,236,655; Aug. 14; v. 241; p. 395.
- Barton, Louis E., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Method for producing composite titanitic-oxid products. No. 1,240,405; Sept. 18; v. 242; p. 600.
- Barton, Louis E., Niagara Falls, assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Titanium-oxid paint and pigment and making same. No. 1,251,170; Dec. 25; v. 245; p. 921.
- Barton, Louis E., Niagara Falls, N. Y., and H. A. Gardner, Washington, D. C., assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Manufacture of linoleum. No. 1,236,367; Aug. 7; v. 241; p. 266.
- Bartram, Haworth W., Melbourne, and A. Gillies, Heidelberg, Victoria, Australia. Milking-machine. No. 1,221,654; Apr. 3; v. 237; p. 226.
- Bartran, Clarence D., Laurel, Miss. Device for holding a cover or chest-lid. No. 1,238,871; Sept. 4; v. 242; p. 48.
- Bartuzel, John. (See Taras, Mikola, assignor.)
- Baruch Electric Controller Corporation. (See Baruch, Sydney N., assignor.)
- Baruch, Joseph S., New York, N. Y. Carbureter. No. 1,213,817; Jan. 30; v. 234; p. 1318.
- Baruch, Morris J. (See Baruch, Lindner, and Goldsmith.)
- Baruch, Samuel, Brooklyn, M. J. Baruch, New York, T. Lindner, Brooklyn, and S. Goldsmith, New York, N. Y. Beating-machine for furs. No. 1,211,659; Jan. 9; v. 234; p. 472.
- Baruch, Sydney N., assignor to Baruch Electric Controller Corporation, San Francisco, Cal. Electric-circuit-protecting fuse. No. 1,214,879; Feb. 6; v. 235; p. 137.
- Basch, David, Schenectady, N. Y., assignor to General Electric Company. Protective means for electrical distribution systems. No. 1,246,038; Nov. 13; v. 244; p. 298.
- Bascom, Helen W. (See Harrison and Bascom.)
- Bascom, Henry M., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. No. 1,211,044; Jan. 2; v. 234; p. 231.
- Bascom, Henry M., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Party-line signaling system. No. 1,211,274; Jan. 2; v. 234; p. 310.
- Bascom, Henry M., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Telephone toll system. No. 1,215,331; Feb. 13; v. 235; p. 330.
- Bascom, Henry M., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Auxiliary supervisory signal system. No. 1,228,167; May 29; v. 238; p. 1538.
- Bascom, Henry M., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Controlling system. No. 1,232,183; July 3; v. 240; p. 218.
- Bascom, Rollin S., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass. Tap. No. 1,232,480; July 10; v. 240; p. 348.
- Baseman, Ernest. (See Robinson and Baseman.)
- Basenber, William H., Birmingham, Ala. Journal-polisher. No. 1,215,238; Feb. 6; v. 235; p. 263.
- Bashaw, William A., Wilkesville, Mass. Shuttle-spring. No. 1,241,076; Sept. 25; v. 242; p. 840.
- Basher, Richard T., Giroux Lake, Ontario, Canada. Chair. No. 1,233,542; July 17; v. 240; p. 729.
- Bashinski, Samuel, Jr., Dublin, Ga. Cotton-harvester. No. 1,220,931; Mar. 27; v. 236; p. 1161.
- Basinger, Frederick C., Royal Oak, assignor of one-half to P. J. Bailey, Detroit, Mich. Toy electric motor. No. 1,234,261; July 24; v. 240; p. 997.
- Baskerville, Charles. (See Hagemann and Baskerville.)
- Baskerville, Charles, New York, N. Y. Producing a plastic material. No. 1,231,985; July 3; v. 240; p. 150.
- Baskerville, Charles, New York, N. Y., assignor to The Baskerville Processes Corporation. Refining saponifiable oils. No. 1,246,379; Nov. 13; v. 244; p. 401.
- Baskerville Processes Corporation, The. (See Baskerville, Charles, assignor.)

Alphabetical list of patentees—Continued.

- Baskett, James M., Eudora, Ark. Branding-iron. No. 1,220,932; Mar. 27; v. 236; p. 1161.
- Basler, Frank M. (See Vogt, Basler, and Schlachter.)
- Basnett, Augustus, Austin, Tex. Tent-stake. No. 1,235,417; July 31; v. 240; p. 1390.
- Bass, Augustus C., Laporte, Ind. Brush. No. 1,250,767; Dec. 18; v. 245; p. 752.
- Bass, Benjamin W., Mooringsport, La. Vehicle-wheel. No. 1,247,360; Nov. 20; v. 244; p. 722.
- Bass, Fredie E., Newsome, assignor of one-half to K. H. Cooper, Scroggins, Tex. Stock-feeding apparatus. No. 1,216,050; Feb. 13; v. 235; p. 590.
- Bass, William A., Rio Vista, Tex. Electric fly-trap. No. 1,247,488; Nov. 20; v. 244; p. 769.
- Bass, William L., Washington, D. C. Shield for closet-boppers. No. 1,218,922; Mar. 13; v. 236; p. 400.
- Basset, Lucien P., Montmorency, France. Cement-burning apparatus. No. 1,233,166; July 10; v. 240; p. 571.
- Basset, Lucien P., Paris, France. Manufacture of cement, &c. No. 1,244,280; Oct. 23; v. 243; p. 986.
- Bassett, Charles N., *et al.* (See Brown, Archie E., assignor.)
- Bassett, Harry P., Catonsville, assignor to The Spar Chemical Company, Baltimore, Md. Producing a soluble potassium compound. No. 1,217,388; Feb. 27; v. 235; p. 1148.
- Bassett, Harry P., Catonsville, assignor to The Spar Chemical Company, Baltimore, Md. Process of treating potassium containing silicates and phosphate-rock and the product of such process. No. 1,217,389; Feb. 27; v. 235; p. 1149.
- Bassett, Harry P., Catonsville, assignor to The Spar Chemical Company, Baltimore, Md. Producing potassium salts. No. 1,217,390; Feb. 27; v. 235; p. 1149.
- Bassett, John B., Schenectady, N. Y., assignor to General Electric Company. Rotary converter. No. 1,246,700; Nov. 13; v. 244; p. 495.
- Bassett, John B., Schenectady, N. Y., assignor to General Electric Company. Rotary converter. No. 1,246,701; Nov. 13; v. 244; p. 496.
- Bassett, John B., Schenectady, N. Y., assignor to General Electric Company. Rotary converter. No. 1,246,702; Nov. 13; v. 244; p. 496.
- Bassett, Linton T., Carthage, Mo. Motor-truck. No. 1,231,474; June 26; v. 239; p. 1161.
- Bassford, William K., Perth Amboy, N. J., assignor to Universal Oil Converter Company, Long Island City, N. Y. Fuel-supplying device for internal-combustion engines. No. 1,226,940; May 22; v. 238; p. 1097.
- Bassler, Edwin M., assignor to Bayley Manufacturing Company, Milwaukee, Wis. Heating apparatus. No. 1,226,298; May 15; v. 238; p. 849.
- Bastable, Edward H., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for preparing welting. No. 1,235,955; Aug. 7; v. 241; p. 140.
- Bastable, Edward H., South Braintree, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for operating upon shoes. No. 1,248,791; Dec. 4; v. 245; p. 108.
- Bastian, Arthur J., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Making laminated articles. No. 1,223,348; Apr. 17; v. 237; p. 888.
- Bastian Brothers Co. (See Eggert, Louis H., assignor.)
- Bastian Brothers Company. (See Guillet, George L., assignor.)
- Bastian, Charles L., Chicago, Ill. Fluid-pressure-regulating valve. No. 1,217,901; Mar. 6; v. 236; p. 5.
- Bastian, Charles L., Chicago, Ill. Valve. No. 1,236,899; Aug. 14; v. 241; p. 473.
- Bastow, Harry, Crafton, Pa. Headlight. No. 1,236,137; Aug. 7; v. 241; p. 195.
- Bastrup, Lauritz, Kenosha, Wis. Lathe-dog. No. 1,237,153; Aug. 14; v. 241; p. 554.
- Batchelder, Asa F., Glenville, N. Y., assignor to General Electric Company. Braking system. No. 1,248,439; Dec. 4; v. 245; p. 4.
- Batchelder, Frank R., Worcester, Mass. Woven carrier. No. 1,211,275; Jan. 2; v. 234; p. 310.
- Batchelder, Frank R., Worcester, Mass. Woven carrier. No. 1,211,276; Jan. 2; v. 234; p. 311.
- Batchelder, Frank R., Worcester, Mass., assignor to Universal Patents Company. Machine-gun belt. No. 1,243,686; Oct. 23; v. 243; p. 801.
- Batchelder, George O., assignor of one-half to L. Burke, Jr., Macomb, Ill. Auto-extractor. No. 1,229,864; June 12; v. 239; p. 551.
- Batcheller, Martin V., Gowrie, Iowa. Tire-armor. No. 1,234,118; July 24; v. 240; p. 950.
- Batchelor, Jamie H., assignor to C. Espy, Savannah, Ga. Fuel-heating device. No. 1,228,517; June 5; v. 239; p. 49.
- Batchelor, Jamie H., assignor to C. Espy, Savannah, Ga. Vaporizer for gas-engines. No. 1,233,744; July 17; v. 240; p. 794.
- Batdorf, Charles S., Brooklyn, assignor to Automatic Coin-Wrapping Machine Company, New York, N. Y. Coin-handling machine. No. 1,239,251; Sept. 4; v. 242; p. 171.
- Bateholts, Clinton, assignor to Specialty Insulation Manufacturing Company, Hoosick Falls, N. Y. Steering-wheel. No. 1,212,169; Jan. 16; v. 234; p. 678.
- Bateman, George E., Alameda, Cal. Registering-lock for valves. No. 1,228,518; June 5; v. 239; p. 49.
- Bateman Manufacturing Company. (See Willis, Leland, assignor.)
- Bateman, Pliny B., Walla Walla, Wash. Weeder. No. 1,251,324; Dec. 25; v. 245; p. 967.
- Bateman, Thomas A. (See Campbell, Bateman, and Wilson.)
- Bateman, Thomas A., Portland, Oreg. Rotary pump. No. 1,234,262; July 24; v. 240; p. 997.
- Bateman, Thomas A., Portland, Oreg. Centrifugal pump. No. 1,250,267; Dec. 18; v. 245; p. 604.
- Batenburg, Peter J. F., assignor to Four Wheel Drive Auto Company, Clintonville, Wis. Vehicle-spring. No. 1,216,268; Feb. 20; v. 235; p. 718.
- Batenburg, Peter J. F., assignor to Four Wheel Drive Auto Co., Clintonville, Wis. Transmission mechanism for motor-driven vehicles. No. 1,219,529; Mar. 20; v. 236; p. 637.
- Bates, Adelmor M., assignor to Bates Valve Bag Company, Chicago, Ill. Wire-tie-forming machine. No. 1,212,437; Jan. 16; v. 234; p. 775.
- Bates, Adelmor M., assignor to Bates Valve Bag Company, Chicago, Ill. Combined wire tie and tag. No. 1,216,269; Feb. 20; v. 235; p. 718.
- Bates, Adelmor M., assignor to Bates Valve Bag Company, Chicago, Ill. Valve-bag-filling machine. No. 1,248,061; Nov. 27; v. 244; p. 955.
- Bates, Albert J., Chicago, Ill., assignor to Bates Expanded Steel Truss Co., Wilmington, Del. Grapple. No. 1,234,263; July 24; v. 240; p. 998.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Making shoes. No. 1,212,170; Jan. 16; v. 234; p. 678.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Making shoes. No. 1,215,304; Feb. 6; v. 235; p. 285.
- Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Stud-setting machine. No. 1,219,425; Mar. 20; v. 236; p. 601.
- Bates, Arthur, and A. Caselton, Leicester, England, assignors to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. No. 1,245,659; Nov. 6; v. 244; p. 158.
- Bates, Burpee O., assignor of two-thirds to W. P. Gray, Campbellton, New Brunswick, Canada. Tooth-brush. No. 1,243,579; Oct. 16; v. 243; p. 736.
- Bates, Charles E. W., assignor of one-half to C. L. Gebauer, Cleveland, Ohio. Anode for vacuum discharge-tubes. No. 1,214,500; Feb. 6; v. 235; p. 5.
- Bates, Clarence A., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. No. 1,217,688; Feb. 27; v. 235; p. 1256.
- Bates, Clifford V., Chicago, Ill. Reel-holder. No. 1,220,169; Mar. 27; v. 236; p. 899.
- Bates, Clifford V., Chicago, Ill. Bow-clamp for automobile-tops. No. 1,244,281; Oct. 23; v. 243; p. 986.
- Bates, Edmund C., assignor to The Buckeye Jack Manufacturing Company, Alliance, Ohio. Lifting-jack. No. 1,230,818; June 19; v. 239; p. 902.
- Bates, Emma I., Park River, N. D. Hat-pin shield. No. 1,227,238; May 22; v. 238; p. 1200.
- Bates, Ervin L., Oakdale, Nebr. Gate-opener. No. 1,247,921; Nov. 27; v. 244; p. 918.
- Bates Expanded Steel Truss Co. (See Bates, Albert J., assignor.)
- Bates, Harry H., assignor to Bates Machine Company, Joliet, Ill. Control mechanism for tractors and the like. No. 1,229,865; June 12; v. 239; p. 551.
- Bates, Jesse S., assignor to Multipost Company, Rochester, N. Y. Stamp-affixer cabinet. No. 1,212,314; Jan. 16; v. 234; p. 733.
- Bates Machine Company. (See Bates, Harry H., assignor.)
- Bates, Randolph S., New York, N. Y. Churn. No. 1,232,184; July 3; v. 240; p. 218.
- Bates, Thomas F., Shelbyville, Tenn. Dental scaler. No. 1,220,933; Mar. 27; v. 236; p. 1162.
- Bates Valve Bag Company. (See Bates, Adelmor M., assignor.)
- Bates Valve Bag Company. (See Ehrling, Gunnar E., assignor.)
- Bates Valve Bag Company. (See Kuhn and Miller, assignors.)
- Bates Valve Bag Company. (See Miller, Reginald R., assignor.)
- Bates, William H., Clinton, Iowa, assignor of one-third to W. Townsend and one-third to W. D. Thomas, Little Rock, Ark. One-man vehicle-top. No. 1,243,687; Oct. 23; v. 243; p. 802.
- Bathrick, Charles E., assignor to F. C. Austin, Chicago, Ill. Hoisting and dumping apparatus. No. 1,248,600; Dec. 4; v. 245; p. 52.
- Bathrick & Palmer Machine Co. (See Anderson, Per G., assignor.)
- Bathtub Foot-Rest Corporation. (See Clarke, Edgar J., assignor.)
- Batista, Fernando S. (See Pérez and Batista.)
- Battaglia, Salvatore, Chicago, Ill. Chair. No. 1,211,909; Jan. 9; v. 234; p. 562.
- Batteer, Joshua, Philadelphia, Pa., assignor to Oscar Barnett Foundry Company. Mechanical stoker. No. 1,231,325; June 26; v. 239; p. 1112.

- Battenberg Car Seal and Equipment Co. *et al.* (See Battenberg, Melvin H. V., assignor.)
- Battenberg, Melvin H. V., assignor of two-thirds to L. C. Weyand, Chicago, Ill., and one-third to Battenberg Car Seal and Equipment Co. Seal-lock. No. 1,233,440; July 17; v. 240; p. 695.
- Batterman, Edward, Hobart, Ind. Disk-grinder. No. 1,213,727; Jan. 23; v. 234; p. 1257.
- Battershall, Fletcher W., Albany, N. Y. Resilient tire. No. 1,242,640; Oct. 9; v. 243; p. 413.
- Battige, John C., Manistee, Mich. Scraper for pans, kettles, &c. No. 1,223,238; Apr. 17; v. 237; p. 851.
- Battilani, Stefano, New York, N. Y. Coffee-percolator. No. 1,211,910; Jan. 9; v. 234; p. 562.
- Batting, Harold L., and H. H. Gross, Jr., Chicago, Ill. Light-projector. No. 1,211,047; Jan. 2; v. 234; p. 231.
- Battle, H. L., *et al.* (See Hubbard, Adra M. and O. M., assignors.)
- Battle, James C., Detroit, Mich. Laminated gear-wheel. No. 1,247,922; Nov. 27; v. 244; p. 918.
- Battu, Leonce L., assignor to Rateau Battu Smoot Company, New York, N. Y. Bearing lubrication. No. 1,226,844; May 22; v. 238; p. 1065.
- Baty, Noah O., Springfield, Mo. Bridge signal apparatus. No. 1,213,062; Jan. 16; v. 234; p. 993.
- Bauch Machine Tool Company. (See Eden, James A., Jr., assignor.)
- Bauch, William H., assignor to American 3-Way Prism Co., Laporte, Ind. Plaster-screed. No. 1,248,440; Dec. 4; v. 245; p. 4.
- Bauder, Arthur R., North Haven, Conn. Method of and means for determining and indicating the depth of water. No. 1,212,438; Jan. 16; v. 234; p. 775.
- Bauder Identification Company. (See Bauder, Raymond E., assignor.)
- Bauder Identification Company. (See Hedrick, Edwin assignor.)
- Bauder, Raymond E., Taylorville, assignor, by mesne assignments, to Bauder Identification Company, Chicago, Ill. Forming impressions of finger-prints. No. 1,237,277; Aug. 21; v. 241; p. 632.
- Bauder, Victor S., Fort Plain, N. Y. Silo and door therefor. No. 1,243,129; Oct. 16; v. 243; p. 602.
- Baudot, Joseph, Tourcoing, France. Rotary internal-combustion engine. No. 1,248,441; Dec. 4; v. 245; p. 4.
- Baudou, Maurice and R., Les Eglisottes, near Bordeaux, France. Elastic wheel for vehicles. No. 1,228,638; June 5; v. 239; p. 89.
- Baudou, Rene. (See Baudou, Maurice and R.)
- Bauer & Black. (See Bauer, Perry S., assignor.)
- Bauer & Black. (See Hamilton, Thomas P., assignor.)
- Bauer & Black. (See Schulz, Otto C., assignor.)
- Bauer & Black. (See Sharp, William H., assignor.)
- Bauer & Black. (See Williams, Seward W., assignor.)
- Bauer, Charles, Cleveland, Ohio. Portable seat. No. 1,218,357; Mar. 6; v. 236; p. 164.
- Bauer, Charles G., Brooklyn, N. Y. Electrical horn. No. 1,232,185; July 3; v. 240; p. 218.
- Bauer, Clarence, Zanesville, Ohio. Ditch and sewer digger. No. 1,214,410; Jan. 30; v. 234; p. 1522.
- Bauer, Hans F. (See Lenders and Bauer.)
- Bauer, Harry A., Lansdowne, Pa. Gas-fixture. No. 1,236,656; Aug. 14; v. 241; p. 395.
- Bauer, Hugo, assignor of one-half to C. Schember & Söhne, Vienna, Austria. Mechanically-operated grate. No. 1,223,661; Apr. 24; v. 237; p. 1033.
- Bauer, John, Louisville, Ky. Wind-shield attachment. No. 1,225,746; May 15; v. 238; p. 657.
- Bauer, John T., Cameron, Tex. Calf and cow weaner. No. 1,237,278; Aug. 21; v. 241; p. 632.
- Bauer, Julius J., Chicago, Ill. Hinge-fastening means. No. 1,231,556; July 3; v. 240; p. 5.
- Bauer, Lawrence E., Havre de Grace, Md., assignor to The Bauer Manufacturing Company. Can-opener. No. 1,226,628; May 22; v. 238; p. 992.
- Bauer Manufacturing Company, The. (See Bauer, Lawrence E., assignor.)
- Bauer, Martin, Cleveland, Ohio. Roof-jack. No. 1,226,169; May 15; v. 238; p. 800.
- Bauer, Pearl A., Colfax, Iowa. Harrow and truck. No. 1,244,016; Oct. 23; v. 243; p. 907.
- Bauer, Perry S., assignor to Bauer & Black, Chicago, Ill. Machine for making surgical bandages. No. 1,238,086; Aug. 28; v. 241; p. 923.
- Bauer, Walter, assignor to National Carbon Company, New York, N. Y. Circuit-controller for portable electric lights. No. 1,236,657; Aug. 14; v. 241; p. 396.
- Bauer, Walter, assignor to National Carbon Company, New York, N. Y. Portable electric light. No. 1,241,077; Sept. 25; v. 242; p. 840.
- Bauer, William J., assignor, by mesne assignments, to The Linway Company, Chicago, Ill. Combined mop and wringer. No. 1,218,618; Mar. 13; v. 236; p. 290.
- Bauer, William J., assignor to New York Steam Boiler Cleaner Co., Inc., New York, N. Y. Boiler-skimmer. No. 1,246,525; Nov. 13; v. 244; p. 444.
- Bauersfeld, Walther, assignor to Firm of C. Zeiss, Jena, Germany. Cinematographic apparatus. No. 1,219,221; Mar. 13; v. 236; p. 501.
- Baugatz, Frederic G., Paris, France. Abdominal belt. No. 1,230,650; June 19; v. 239; p. 847.
- Baughman, Orhan F. (See Waltz, Winfield S., assignor.)
- Baughman, Walter F. (See Skinner and Baughman.)
- Baughn, Charles B., Oilfields, Cal. Gear-shifter. No. 1,223,136; Apr. 17; v. 237; p. 818.
- Baukat, John G., Toronto, Ontario, Canada. Controlling means for power transmission. No. 1,239,252; Sept. 4; v. 242; p. 172.
- Bauknecht, Henry, Midland, Mich. Window-screen. No. 1,229,400; June 12; v. 239; p. 395.
- Baum, Albert J., assignor to A. Wanner, Jr., New York, N. Y. Manufacture of chair-seats. No. 1,224,891; May 8; v. 238; p. 325.
- Baum, Anna W., *et al.*, executors. (See Baum, Jacob.)
- Baum, Jacob, deceased, Cincinnati, Ohio; A. W. Baum, M. B. Birnbryer, G. M. Bacon, and J. B. Derbes, executors. Combination-lock. No. 1,240,114; Sept. 11; v. 242; p. 469.
- Baum, James B., assignor of one forty-fifth to P. Gelston and one forty-fifth to J. P. Moore, Grand Junction, Colo. Rail-joint. No. 1,223,847; Apr. 24; v. 237; p. 1098.
- Baum, James E., Jr., Chicago, Ill. Paper. No. 1,230,095; June 19; v. 239; p. 661.
- Baum, Willis M., Saugus, Cal. Mail catching and ejecting device on railways. No. 1,250,268; Dec. 18; v. 245; p. 604.
- Bauman, Edward L., Detroit, Mich. Resilient wheel. No. 1,221,411; Apr. 3; v. 237; p. 145.
- Bauman, Herman, and I. Teitelbaum, New York, N. Y. Collection-wagon. No. 1,225,562; May 8; v. 238; p. 552.
- Bauman, John H., San Diego, and Bert J. Simmons, Needles, Cal. Car loading and unloading device. No. 1,248,995; Dec. 4; v. 245; p. 165.
- Bauman, Leo S. (See Schwartzman, Abraham, assignor.)
- Baumann, Albert, Jersey City, N. J. Garter. No. 1,233,834; July 17; v. 240; p. 823.
- Baumann, Clifton K., New York, N. Y. Fabric-bolt board. No. 1,216,924; Feb. 20; v. 235; p. 945.
- Baumann, Clifton K., New York, N. Y. Fabric-bolt board. No. 1,218,358; Mar. 6; v. 236; p. 164.
- Baumann, George H., Milwaukee, Wis. Combined kettle and strainer. No. 1,224,058; Apr. 24; v. 237; p. 1170.
- Baumann, Gottfried P., assignor to Latham Machinery Company, Chicago, Ill. Wire-stitching machine. No. 1,226,170; May 15; v. 238; p. 801.
- Baumann, Gottfried P., assignor to Latham Machinery Company, Chicago, Ill. Cam for wire-stitching machines. No. 1,237,604; Aug. 21; v. 241; p. 737.
- Baumann, Karl, Urmston, assignor to The British Westinghouse Electric & Manufacturing Company, Limited, London, England. Condensing steam-turbine plant. No. 1,246,039; Nov. 13; v. 244; p. 298.
- Baumann, Samuel, assignor to Simon, Bühler & Baumann Inc., New York, N. Y. Producing pure flour. No. 1,236,658; Aug. 14; v. 241; p. 396.
- Baumeister, Anton, Groton, S. D. Ellipsograph. No. 1,224,591; May 1; v. 238; p. 170.
- Baumgardner, C. M. (See Hannah, Cyril R., assignor.)
- Baumgardner, Carl W., Tiffin, Ohio. Concrete-burial-vault mold. No. 1,247,784; Nov. 27; v. 244; p. 880.
- Baumgardner, Frank J., assignor of four-tenths to W. Hoyt and one-tenth to A. J. Hudson, Cleveland, Ohio. Printing-ink and the like. No. 1,234,264; July 24; v. 240; p. 998.
- Baumgardner, Harry D., Frederick, Md. Curing meats. No. 1,217,134; Feb. 27; v. 235; p. 1062.
- Baumgartner, Hans H., Lemmon, S. D. Steam-chest. No. 1,221,271; Apr. 3; v. 237; p. 96.
- Baumgartner, Otto C., Atascadero, assignor of one-half to O. M. Elliott, Los Angeles, Cal. Direction-indicator for automobiles. No. 1,241,904; Oct. 2; v. 243; p. 140.
- Baumgartner, Charles B., Manchester, Iowa, assignor to C. Hunnicutt, Wilmington, Ohio. Seed-corn grader. No. 1,250,768; Dec. 18; v. 245; p. 752.
- Baumgartner, Charles J., Erin township, Macomb county, Mich. Flue-closure. No. 1,248,244; Nov. 27; v. 244; p. 1008.
- Baumgartner, Ellet S., *et al.* (See Egan, Charles E., assignor.)
- Baumgartner, Moses M., Freeport, Ill. Treating rice and product thereof. No. 1,239,555; Sept. 11; v. 242; p. 295.
- Baumgartner, Virgil W., Salt Lake City, Utah. Automatic block-signal apparatus. No. 1,228,168; May 29; v. 238; p. 1539.
- Baumgartner, William A., assignor of one-half to E. E. Loftgren, Billings, Mont. Touch-type-writing shield. No. 1,246,221; Nov. 13; v. 244; p. 352.
- Baumbeckel, William M., Cincinnati, Ohio. Valve mechanism for internal-combustion engines. No. 1,220,814; Mar. 27; v. 236; p. 1124.
- Baumhover, Frank W., Carroll, Iowa. Device for protecting ships. No. 1,240,007; Sept. 11; v. 242; p. 438.
- Baumwart, Arthur C., assignor of one-third to C. H. Wilcox, Canute, Okla. Cotton-chopper. No. 1,233,745; July 17; v. 240; p. 795.
- Baurichter, Fritz, assignor to Georgs-Marien-Bergwerks- & Hütten-Verein A.-G., Osnabrück, Germany. Railway tie and means for fastening the rails on the ties. No. 1,220,490; Mar. 27; v. 236; p. 1013.
- Baurichter, Fritz, assignor to Georgs-Marien-Bergwerks- & Hütten-Verein A.-G., Osnabrück, Germany. Means for fastening rails to ties. No. 1,220,491; Mar. 27; v. 236; p. 1013.

Alphabetical list of patentees—Continued.

- Bauroth, Walter J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Composite armature-sleeve. No. 1,213,818; Jan. 30; v. 234; p. 1319.
- Baus, Arthur M. J., Brookline, Mass. Loop-fastener. No. 1,218,739; Mar. 13; v. 236; p. 334.
- Baus, Arthur M. J., Brookline, Mass. Garment-fastener. No. 1,237,279; Aug. 21; v. 241; p. 633.
- Baus, Richard E., Detroit, Mich., assignor to The Studebaker Corporation. Motor-vehicle-shipping device. No. 1,237,154; Aug. 14; v. 241; p. 555.
- Bausch & Lomb Optical Company. (See Hart, Edwin, assignor.)
- Bausch & Lomb Optical Company. (See Patterson, William L., assignor.)
- Bausch & Lomb Optical Company. (See Patterson and Kellner, assignors.)
- Baus Machine Tool Company. (See Calkins, Charles H., assignor.)
- Bausman, Alonzo L., Springfield, Mass. Coating apparatus. No. 1,230,455; June 19; v. 239; p. 781.
- Bausman, Alonzo L., Chicopee, Mass., assignor to National Equipment Company, Springfield, Ohio. Decorating-depositor. No. 1,243,668; Oct. 16; v. 243; p. 769.
- Bawtinheimer, John A., and D. L. Miller, Brantford, Ontario, Canada. Folding seat. No. 1,238,087; Aug. 28; v. 241; p. 923.
- Baxa, James F., Chicago, Ill. Antiskidding device. No. 1,226,171; May 15; v. 238; p. 801.
- Baxter, Berry A., assignor to New Method Stove Company, Mansfield, Ohio. Stove. No. 1,228,519; June 5; v. 239; p. 30.
- Baxter, Frank L., Boston, Mass. Toothpick. No. 1,217,264; Feb. 27; v. 235; p. 1105.
- Baxter, Frederick C., and W. H. Kern, Belvidere, Ill. Funnel. No. 1,219,222; Mar. 13; v. 236; p. 501.
- Baxter, Harold G., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Latching device. No. 1,229,703; June 12; v. 239; p. 497.
- Baxter, Harold G., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Circuit-interrupter. No. 1,246,380; Nov. 13; v. 244; p. 401.
- Baxter, Harry T., Nauvoo, Ill. Tooth-brush. No. 1,212,001; Jan. 9; v. 234; p. 594.
- Baxter, Hiram B., Plainville, Kans. King-bolt for wagons. No. 1,214,487; Jan. 30; v. 234; p. 1548.
- Baxter, John B., assignor to Covert Manufacturing Company, Watervliet, N. Y. Breast-strap slide. No. 1,227,870; May 29; v. 238; p. 1440.
- Baxter, John B., assignor to Covert Manufacturing Company, Watervliet, N. Y. Combined breast-strap slide and attaching means therefor. No. 1,227,871; May 29; v. 238; p. 1440.
- Baxter, John B., assignor to Covert Manufacturing Company, Watervliet, N. Y. Hook. No. 1,240,810; Sept. 25; v. 242; p. 757.
- Baxter, Morris E., Steubenville, Ohio. Tire. No. 1,237,155; Aug. 14; v. 241; p. 555.
- Baxter, William C., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Trimming and splitting machine. No. 1,238,088; Aug. 28; v. 241; p. 924.
- Baxter, William C., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Leveling-machine. No. 1,239,664; Sept. 11; v. 242; p. 329.
- Bay, Hugh O., Central City, Nebr. Water-heater. No. 1,237,455; Aug. 21; v. 241; p. 690.
- Bay State Tap & Die Company. (See Williams, Charles E., assignor.)
- Bayer, Erik C., Jordløse, Svejle Station, Denmark. Sound-producing device. No. 1,228,639; June 5; v. 239; p. 90.
- Bayer, Rufus G. (See Comstock, Charles W., assignor.)
- Bayer-Stroud Corporation. (See Jackson, Clarence S., assignor.)
- Bayer, William F., Buffalo, N. Y. Automatic tracking device for music-sheets. No. 1,211,048; Jan. 2; v. 234; p. 231.
- Bayers, Harry I., assignor to Animated Advertising Co., Boston, Mass. Display apparatus and vehicle therefor. No. 1,230,369; June 19; v. 239; p. 753.
- Bayles, Charles E., Burley, Idaho. Lock. No. 1,249,710; Dec. 11; v. 245; p. 401.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Fluid-operated percussive tool. No. 1,211,049; Jan. 2; v. 234; p. 232.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for percussive tools. No. 1,222,353; Apr. 10; v. 237; p. 505.
- Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Tool-retainer for hammer-drills. No. 1,240,649; Sept. 18; v. 242; p. 674.
- Bayless, Frank B. (See Bayless, William B. and F. B.)
- Bayless, Patrick A., assignor of one-half to H. Ray, Minneapolis, Minn. Scrubbing and mopping brush. No. 1,215,239; Feb. 6; v. 235; p. 264.
- Bayless, William B. and F. B., Muncie, Ind. Blackboard-eraser. No. 1,214,411; Jan. 30; v. 234; p. 1523.
- Bayley, Ivan A., North Sydney, Nova Scotia, Canada. Freight-transporter. No. 1,230,838; June 26; v. 239; p. 948.
- Bayley Manufacturing Company. (See Bassler, Edwin M., assignor.)
- Bayley, William B., Toronto, Ontario, Canada. Fertilizer-distributor. No. 1,216,051; Feb. 13; v. 235; p. 590.
- Bayley, William L., Darlaston, and F. B. Wilson, Willenhall, England. Machine for bifurcating spikes and for punching slot-holes in bolts and the like. No. 1,244,017; Oct. 23; v. 243; p. 907.
- Bayliss, Jerome Z., and C. Raus, assignors to The Acme Metal Stamping Company, Cleveland, Ohio. Switch-box. (Reissue.) No. 1,242,84; Apr. 17; v. 237; p. 890.
- Baynard, William H., Braintree, assignor of one-half to H. H. Beckwith, Brookline, Mass. Insole. No. 1,220,061; Mar. 20; v. 236; p. 823.
- Bayne, George G. (See James, Perry C., assignor.)
- Bayne, George G., Quincy, Ill. Shock and rebound absorber. No. 1,214,120; Jan. 30; v. 234; p. 1422.
- Bayne, George G., Quincy, Ill., assignor to Safety Manufacturing Company, Kansas City, Mo. Number-plate bracket for automobiles. No. 1,214,119; Jan. 30; v. 234; p. 1422.
- Bayne, George G., Quincy, and F. A. Runkle, Macomb, Ill. Road-drag. No. 1,214,121; Jan. 30; v. 234; p. 1422.
- Bayrer, Louis G., assignor to The Billings & Spencer Company, Hartford, Conn. Drop-hammer. No. 1,225,695; May 8; v. 238; p. 597.
- Bayuk, Nicholas, Mesaba, Minn. Clothes-pin. No. 1,220,714; Mar. 27; v. 236; p. 1089.
- Bazeley, Arthur J., assignor to The National Malleable Castings Company, Cleveland, Ohio. Car-coupling. No. 1,246,222; Nov. 13; v. 244; p. 352.
- Bazinot, Nazaire, Winnipeg, Manitoba, Canada. Drinking-fountain. No. 1,227,366; May 22; v. 238; p. 1240.
- Beach, Clarence E., Binghamton, N. Y. Signaling system. No. 1,250,769; Dec. 18; v. 245; p. 752.
- Beach, Clarence E., Binghamton, N. Y., assignor, by mesne assignments, to The Gamewell Fire Alarm Telegraph Company. Successive non-interference signal-box. No. 1,210,398; Jan. 2; v. 234; p. 6.
- Beach, Clarence E., Binghamton, N. Y., assignor, by mesne assignments, to The Gamewell Fire Alarm Telegraph Company, Newton Upper Falls, Mass. Signaling system. (Reissue.) No. 1,247,3; Mar. 20; v. 236; p. 863.
- Beach, Clarence E., Binghamton, N. Y., assignor, by mesne assignments, to The Gamewell Fire Alarm Telegraph Company. Signaling system. No. 1,240,811; Sept. 25; v. 242; p. 757.
- Beach, Clarence E., and H. W. Doughty, Binghamton, N. Y., assignors, by mesne assignments, to The Gamewell Fire Alarm Telegraph Company. Variable-signal transmitter. No. 1,237,234; Aug. 14; v. 241; p. 579.
- Beach, George W. (See Von Culin, Clayton, assignor.)
- Beach, George W. (See Von Culin and Beach.)
- Beach, George W., Saybrook, Conn., and C. Von Culin, New York, N. Y. Control for dirigible headlights and the like. No. 1,234,265; July 24; v. 240; p. 998.
- Beach, George W., Saybrook, Conn., and C. Von Culin, New York, N. Y. Dirigible headlight. No. 1,246,526; Nov. 13; v. 244; p. 445.
- Beach, Henry W. (See Beach, John C. and H. W.)
- Beach, Howard L. (See Clark and Beach.)
- Beach, Howard L., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Motor-control system. No. 1,231,557; July 3; v. 240; p. 5.
- Beach, Howard L., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Motor-control system. No. 1,242,910; Oct. 16; v. 243; p. 533.
- Beach, Howard L., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,244,459; Oct. 30; v. 243; p. 1076.
- Beach, John C., assignor to Lachman Wall Bed Company, San Francisco, Cal. Folding bed. No. 1,249,270; Dec. 4; v. 245; p. 243.
- Beach, John C. and H. W., assignors to Lachman Wall Bed Company, San Francisco, Cal. Disappearing bed. No. 1,228,872; June 5; v. 239; p. 170.
- Beach, John C. and H. W., assignors to Lachman Wall Bed Company, San Francisco, Cal. Disappearing bed. No. 1,249,269; Dec. 4; v. 245; p. 243.
- Beach Manufacturing Co., The. (See Beach, William J., assignor.)
- Beach, Ralph L., East Orange, N. J., assignor to General Electric Company. Lamp-protector. No. 1,250,770; Dec. 18; v. 245; p. 753.
- Beach, Remus A. (See Mohr and Beach.)
- Beach, Walter J., assignor of one-half to J. H. Glenn, Minneapolis, Kans. Wall-paper pasting and trimming machine. No. 1,213,728; Jan. 23; v. 234; p. 1257.
- Beach, William. (See Burns and Beach.)
- Beach, William E., Mason City, Iowa. Safety non-clogable steam and water cock. No. 1,235,418; July 31; v. 240; p. 1390.
- Beach, William J., assignor to The Beach Manufacturing Co., New Haven, Conn. Velocipede. No. 1,222,354; Apr. 10; v. 237; p. 505.
- Beachler, George F., Cleveland, Ohio. Sphygmomanometer. No. 1,225,395; May 8; v. 238; p. 497.
- Beachler, Harvey B., Surrey, N. D. Device for removing pulleys, wheels, &c., from shafts. No. 1,247,489; Nov. 20; v. 244; p. 759.
- Beacon Falls Rubber Shoe Company, The. (See Crowley, John T., assignor.)
- Beacon Falls Rubber Shoe Company, The. (See De Meers, Etienne, assignor.)
- Beacon Miniature Company. (See Benedict, Bernard, assignor.)

- Beacon Miniature Electric Co. (See Benedict, Bernard, assignor.)
- Beacon Miniature Electric Co. (See Kaplan, Morduch L., assignor.)
- Beadle, George W. (See Beatty, Wallace A., assignor.)
- Beadle, George W., New York, N. Y. Paper closure for glass vessels. No. 1,220,586; Mar. 27; v. 236; p. 1047.
- Beadle, George W., New York, N. Y. Positive strip for moving-picture machines. No. 1,245,424; Nov. 6; v. 244; p. 84.
- Beadle, Mark, Battle Creek, Mich. Vaporizer. No. 1,242,099; Oct. 2; v. 243; p. 200.
- Beagle, Andrew C., Berwick, Pa. Gas-engine-valve grinder. No. 1,216,925; Feb. 20; v. 235; p. 945.
- Beagle, Silas J., Walton, N. Y. Poultry-roost. No. 1,214,412; Jan. 30; v. 234; p. 1523.
- Beagle, Victor E., Binghamton, N. Y. Truck. No. 1,230,839; June 26; v. 239; p. 949.
- Beal, Frederick C., Toronto, Ontario, Canada. Saddle. No. 1,213,329; Jan. 23; v. 234; p. 1122.
- Beall, Albert E., assignor to Vertical Drainage Company, Clinton, Iowa. Drainage-tile. No. 1,210,885; Jan. 2; v. 234; p. 174.
- Beall, John S. (See Jarmin, James B., assignor.)
- Beall, John S. (See Olcott, Herbert E., assignor.)
- Beall, W. H. (See Hendrix, Adam R., assignor.)
- Beals, Albert A. (See Bright, Roswell C., assignor.)
- Beals & Selkirk Trunk Company. (See Raymond, Henry W., assignor.)
- Beals, William J., Beloit, Wis. Bottle-filling machine. No. 1,242,613; Oct. 9; v. 243; p. 309.
- Beam, Harry E. (See Swenson, Otto J., assignor.)
- Beam, Jacob B., Punxsutawney, Pa. Valve. No. 1,225,002; May 8; v. 238; p. 363.
- Beam, Oliver N., assignor of one-third to J. F. Wilhite, Los Angeles, Cal. Railway-crossing. No. 1,239,338; Sept. 4; v. 242; p. 197.
- Beam, Victor S. (See Stoll and Beam.)
- Beam, Victor S., Maplewood, and E. C. Otto, Elizabeth, N. J., assignors to Westinghouse Electric & Manufacturing Company. Latching and tripping mechanism. No. 1,227,367; May 22; v. 238; p. 1240.
- Beaman, Lora E. (See Thompson, Alfred, assignor.)
- Beaman, Lora E., Cranston, assignor to The Beaman & Smith Co., Providence, R. I. Milling-machine. No. 1,218,044; Mar. 6; v. 236; p. 55.
- Beaman & Smith Co., The. (See Beaman, Lora E., assignor.)
- Beamisderfer, Joseph A., Jonestown, Pa. Toy. No. 1,214,122; Jan. 30; v. 234; p. 1423.
- Beamisderfer, Joseph A., Jonestown, assignor of one-half to J. S. Gockley, Lebanon, Pa. Railway-tie. No. 1,244,828; Oct. 30; v. 243; p. 1190.
- Bean, Albert M., Colville, Wash. Harness-hanger. No. 1,242,125; Oct. 9; v. 243; p. 249.
- Bean, Burton B., New Haven, Conn. Valve-grinding tool. No. 1,212,002; Jan. 9; v. 234; p. 594.
- Bean, Charles L., San Jose, Cal. Valve-assembly remover. No. 1,212,003; Jan. 9; v. 234; p. 595.
- Bean, Frank A., Carrollton, Ohio. Trolley-wire hanger. No. 1,220,062; Mar. 20; v. 236; p. 824.
- Bean, John, Fruitland, N. Y. Stove. No. 1,245,309; Nov. 6; v. 244; p. 50.
- Bean, Joseph E., Windom, Kans. Invoicing-machine. No. 1,228,282; May 29; v. 238; p. 1575.
- Bean, Joseph S., Norwich, Vt. Rail and tie therefor. No. 1,236,041; Aug. 7; v. 241; p. 168.
- Bean, Lewis B., Columbus, Ohio. Combined washer and boiler. No. 1,211,813; Jan. 9; v. 234; p. 527.
- Bean, Louis A., Denver, Colo. Milk-catheter and surgical instrument. No. 1,242,314; Oct. 9; v. 243; p. 309.
- Bean, Robert K., Winthrop, Mass. Fly-net. No. 1,218,829; Mar. 13; v. 236; p. 367.
- Bean, Roscoe, Berea, Ohio. Vulcanizing device. No. 1,250,771; Dec. 18; v. 245; p. 753.
- Bean, William H. (See Waters and Bean.)
- Bea, Lewis N., Greenville, Pa. Brake-hanger bracket. No. 1,213,729; Jan. 23; v. 234; p. 1258.
- Beare, Wilson R., and R. J. Jones, Sawtelle, Cal., assignor of one-third to F. Hammond, Casey, Ill. Cap-opening tool. No. 1,210,899; Jan. 2; v. 234; p. 6.
- Beard, Clement E., Columbiana, and W. G. Stephan, Cleveland, Ohio. Hoist-block. No. 1,214,745; Feb. 6; v. 235; p. 92.
- Beard, Clement E., Columbiana, and W. G. Stephan, Cleveland, Ohio. Hoist-block. No. 1,236,532; Aug. 14; v. 241; p. 354.
- Beard, George M., Pleasant Lake, Ind. Ground-anchor device. No. 1,245,176; Nov. 6; v. 244; p. 10.
- Beard, Lawrence O., Lancaster, Pa. Secondary clock. No. 1,251,171; Dec. 25; v. 245; p. 922.
- Beard, Paul M., assignor to American Car and Foundry Company, St. Louis, Mo. Car end construction. No. 1,224,831; May 1; v. 238; p. 254.
- Beard, Paul M., assignor to American Car and Foundry Company, St. Louis, Mo. Steel roof. No. 1,224,832; May 1; v. 238; p. 254.
- Beard, Paul M., assignor to American Car and Foundry Company, St. Louis, Mo. All-steel roof. No. 1,244,687; Oct. 30; v. 243; p. 1146.
- Beard, Richard M., New York, N. Y. Electric-light fixture. No. 1,243,481; Oct. 16; v. 243; p. 707.
- Beard, Walter L., Wilburton, Okla. Foldable tread and riser for car-steps. No. 1,241,078; Sept. 25; v. 242; p. 840.
- Beardslee Chandelier Manufacturing Company. (See Beardslee, George M., assignor.)
- Beardslee, George M., Chicago, Ill., assignor to Beardslee Chandelier Manufacturing Company. Lighting-fixture. No. 1,239,556; Sept. 11; v. 242; p. 295.
- Beardsley, Albert L., et al. (See Nemece, Joseph, assignor.)
- Beardsley, Edson L., Columbus, Ohio. Lifter. No. 1,241,488; Oct. 2; v. 243; p. 4.
- Beardsley, Edward W., et al. (See Koontz, John A., Jr., assignor.)
- Beardsley, Edwin W. (See Muckey, Earle A., assignor.)
- Beardsley, Edwin W., San Francisco, and P. W. Ham, Oakland, Cal. Cable-splice. No. 1,241,809; Oct. 2; v. 243; p. 108.
- Beardsley, Frank W., Brooklyn, assignor to Seaboard Specialty Corporation, New York, N. Y. Dish-cleansing apparatus. No. 1,212,171; Jan. 16; v. 234; p. 671.
- Beare, Ralph N., Avery, Ohio. Automobile-ventilator. No. 1,247,490; Nov. 20; v. 244; p. 760.
- Bearer, Valentine M., Ligonier, Pa. Hand-torch. No. 1,237,995; Aug. 21; v. 241; p. 861.
- Bearfield, Thomas N., assignor of one-half to J. W. Elker, Chicago, Ill. Auxiliary back-rest for chairs. No. 1,215,467; Feb. 13; v. 235; p. 377.
- Beaup, Eli A., Flint, Mich. Universal joint for connecting-rods. No. 1,213,819; Jan. 30; v. 234; p. 1319.
- Beasley, Bryant. (See Rossignol, Aaron T., assignor.)
- Beasley, Thomas, North Vancouver, British Columbia, Canada. Collapsible case. No. 1,224,833; May 1; v. 238; p. 254.
- Beatrice Steel Tank Manufacturing Company. (See Dresch, John P., assignor.)
- Beatty, Earle J. R., assignor to Universal Optical Corporation, Providence, R. I. Eyeglass-mounting. No. 1,240,533; Sept. 18; v. 242; p. 639.
- Beattie, John E. (See Rossiter and Beattie.)
- Beatty, Edward T., Birmingham, Ala., assignor of one-half to L. Wilson, Shreveport, La. Quick-detachable coupling for drill-pipes. No. 1,218,359; Mar. 6; v. 236; p. 164.
- Beatty, Frank, Seattle, Wash. Smoothing-iron. No. 1,227,736; May 29; v. 238; p. 1394.
- Beatty, Harry B., Savannah, Ga. Detachable cover. No. 1,243,033; Oct. 16; v. 243; p. 574.
- Beatty, Howard. (See Adams and Beatty.)
- Beatty, John D., Ivanhoe, N. C. Railway-signal. No. 1,225,747; May 15; v. 238; p. 658.
- Beatty, John H., Canton, Ohio. Surgical device. No. 1,245,858; Nov. 6; v. 244; p. 217.
- Beatty, Norman L., Punxsutawney, Pa. Rapid-fire toy gun. No. 1,217,553; Feb. 27; v. 235; p. 1209.
- Beatty, Robert R., Sarver, Pa. Farm-tractor. No. 1,240,650; Sept. 18; v. 242; p. 675.
- Beatty, Ross J. (See Snyder, Parke T., assignor.)
- Beatty, Wallace A., New York, N. Y. Synthetic gum. No. 1,225,749; May 15; v. 238; p. 659.
- Beatty, Wallace A., New York, N. Y. Artificial gum and producing the same. No. 1,225,750; May 15; v. 238; p. 659.
- Beatty, Wallace A., assignor to G. W. Beadle, New York, N. Y. Condensation product and making same. No. 1,225,748; May 15; v. 238; p. 658.
- Beatty, William G., Fergus, Ontario, Canada. Coupling. No. 1,215,763; Feb. 13; v. 235; p. 485.
- Beatty, William G., Fergus, Ontario, Canada. Cattle-stanchion. No. 1,225,003; May 8; v. 238; p. 363.
- Beatty, William M., Beaver Falls, Pa. Motor-vehicle. No. 1,210,754; Jan. 2; v. 234; p. 129.
- Beauchamp, J. Emilien. (See Rho, Joseph A., assignor.)
- Beauchamp, Stonewall J., Little Rock, Ark. Catalogue-labeling machine. No. 1,210,907; Mar. 20; v. 236; p. 769.
- Beaudry, Henry I., River Rouge, Mich. Coaster-wagon. No. 1,232,186; July 3; v. 240; p. 219.
- Beaudry, Zotique, Lynn, Mass. Machine for burnishing the edges of the soles of boots and shoes. No. 1,226,941; May 22; v. 238; p. 1098.
- Beaulieu, Alfred F., Chicago, Ill. Drill extension. No. 1,225,209; May 8; v. 238; p. 431.
- Beaulieu, Eber. (See Barnett, Morrison J., assignor.)
- Beaumont, William W., Westminster, London, England. Machine for straining paper-pulp. No. 1,237,280; Aug. 21; v. 241; p. 633.
- Beauregard, Albert F., West De Pere, Wis. Gate. No. 1,212,439; Jan. 16; v. 234; p. 776.
- Beausejour, Reme A., New York, assignor to Standard Varnish Works, Port Richmond, N. Y. Article-holder for liquid-coating machines. No. 1,237,860; Aug. 21; v. 241; p. 818.
- Beaver, Charles J., and E. A. Claremont, Cheshire, England. Furnace for smelting ores. No. 1,243,798; Oct. 23; v. 243; p. 840.
- Beaver, Claude, Fishers, Ind. Gun-sight. No. 1,238,379; Aug. 28; v. 241; p. 1020.
- Beaver Company, The. (See Hammock, Claude S., assignor.)
- Beaver Company, The. (See Lowary, Ralph C., assignor.)
- Beaver Company, The. (See Sidwell, Benjamin W., Jr., assignor.)

Alphabetical list of patentees—Continued.

- Beaver, Earle B., Detroit, Mich. Reversible cuff. No. 1,236,394; Aug. 14; v. 241; p. 308.
- Beaver, Thomas, Sewell, N. J. Traffic-signal. No. 1,226,445; May 15; v. 238; p. 894.
- Bebb, Myrtle M., Carpenter, Wyo. Hen's nest. No. 1,229,866; June 12; v. 239; p. 552.
- Becher, Eugen, assignor to Blaugas Company of America, New York, N. Y. Gas-torch. No. 1,214,880; Feb. 6; v. 235; p. 138.
- Béchereau, Louis, assignor to The Society "Spad Société Anonyme pour l'Aviation et ses Derivés," Paris, France. Aeroplane. No. 1,228,390; June 5; v. 239; p. 5.
- Bechhold, Heinrich, Frankfort-on-the-Main, assignor to Chemische Fabrik Ladenburg G. m. b. H., Ladenburg, Germany. Disinfectant. No. 1,232,187; July 3; v. 240; p. 219.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Rotary printing-press. No. 1,223,025; Apr. 17; v. 237; p. 780.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Stereotype-plate-casting box. No. 1,223,026; Apr. 17; v. 237; p. 780.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Steam-table. No. 1,227,106; May 22; v. 238; p. 1155.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Rotary cylinder printing-press. No. 1,240,008; Sept. 11; v. 242; p. 439.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Rotary printing-press. No. 1,240,009; Sept. 11; v. 242; p. 439.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Rotary printing-press. No. 1,240,010; Sept. 11; v. 242; p. 439.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Rotary printing-press and folder. No. 1,240,011; Sept. 11; v. 242; p. 440.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Rotary press. No. 1,240,012; Sept. 11; v. 242; p. 440.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Rotary printing-press. No. 1,240,013; Sept. 11; v. 242; p. 440.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Rotary printing-press. No. 1,240,014; Sept. 11; v. 242; p. 440.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Rotary web-printing press. No. 1,240,015; Sept. 11; v. 242; p. 441.
- Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Means for automatically circulating cooling-water in plate-casting boxes. No. 1,250,772; Dec. 18; v. 245; p. 753.
- Bechman, Louis H., assignor to Duplex Printing Press Company, Battle Creek, Mich. Tool-setting device for stereotype-plate-boring machines. No. 1,229,867; June 12; v. 239; p. 552.
- Bechtel, John A., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Handling material in glass-making. No. 1,224,892; May 8; v. 238; p. 326.
- Bechtel, John A., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for handling material in glass-making. (Reissue.) No. 14,320; June 26; v. 239; p. 1184.
- Bechtel, Joseph. (See Murphy and Bechtel.)
- Bechtel, Robert G., Goodland, Kans. Lubricator. No. 1,230,651; June 19; v. 239; p. 847.
- Bechter, Joseph A. (See Gilbert, Calvin H., assignor.)
- Bechtold, Charles. (See Stigberg and Bechtold.)
- Beck, August, Telluride, Colo. Pipe-coupling. No. 1,248,601; Dec. 4; v. 245; p. 52.
- Beck, Augustus L., New Rochelle, N. Y., assignor to E. C. Beck. Inflatable surgical packing. No. 1,235,095; July 31; v. 240; p. 1294.
- Beck, Charles W., Rockville Center, N. Y., assignor, by mesne assignments, to The Beck-Frost Corporation, Detroit, Mich. Carbureter. No. 1,211,386; Jan. 9; v. 234; p. 380.
- Beck, Charles W., Rockville Center, N. Y., assignor, by mesne assignments, to Beck-Frost Corporation, Detroit, Mich. Device for connecting air-hose to pneumatic-tire valves. No. 1,211,387; Jan. 9; v. 234; p. 381.
- Beck, Charles W., Rockville Center, N. Y., assignor, by mesne assignments, to The Beck-Frost Corporation, Detroit, Mich. Protector and lubricant-retainer for the joints of the steering mechanism and other parts of an automobile. No. 1,221,015; Apr. 3; v. 237; p. 4.
- Beck, Charles W., Detroit, Mich., assignor to The Beck-Frost Corporation. Fastening-clip for wire-terminals. No. 1,217,135; Feb. 27; v. 235; p. 1062.
- Beck, Charles W., Detroit, Mich., assignor to The Beck-Frost Corporation. Primary terminal. No. 1,220,715; Mar. 27; v. 236; p. 1089.
- Beck, Christoph. (See Bosch, Mittasch, and Beck.)
- Beck, Christopher W., Canastota, S. D. Luggage-carrier. No. 1,226,446; May 15; v. 238; p. 894.
- Beck Duplicator Company. (See Fecher, Frederick F., assignor.)
- Beck Duplicator Company, The. (See Newton, Danheiser, and Fecher, assignors.)
- Beck, Ella C. (See Beck, Augustus L., assignor.)
- Beck, Fred, Chattsworth, Iowa. Hoisting mechanism. No. 1,247,067; Nov. 20; v. 244; p. 639.
- Beck-Frost Corporation, The. (See Beck, Charles W., assignor.)
- Beck, Harry L., Pittsburgh, J. J. Houlahe, Millvale, and J. Weible, Coraopolis, Pa. Elevator-locking mechanism. No. 1,232,646; July 10; v. 240; p. 399.
- Beck, Henry J. (See Sullivan and Beck.)
- Beck, Joseph H., and G. Bedford, Brooklyn, N. Y. Player-piano. No. 1,227,368; May 22; v. 238; p. 1240.
- Beck, Lyle C., Windsor, Ill. Sanitary refuse-trap. No. 1,248,996; Dec. 4; v. 245; p. 165.
- Beck, Michael and N. B., Minneapolis, Minn. Fuel-heater for explosive-engines. No. 1,214,501; Feb. 6; v. 235; p. 5.
- Beck, Nicholas B. (See Beck, Michael and N. B.)
- Beck, Rasmus, assignor to Dürer Metallwerke Aktien-Gesellschaft, Düren, Germany. German-silver-alloy products and manufacture of same. No. 1,227,569; May 29; v. 238; p. 1337.
- Beck, Stefan. (See Muf and Beck.)
- Beck, Wesley H., et al. (See Cole, Samuel S., assignor.)
- Beck, William P., and A. C. Burns, Birmingham, Ala. Shingle-making machine. No. 1,221,272; Apr. 3; v. 237; p. 96.
- Becke, Hermann. (See Habenicht and Becke.)
- Becker, Anton, assignor to The Ralston Steel Car Company, Columbus, Ohio. Car-underframe. No. 1,225,103; May 8; v. 238; p. 397.
- Becker, Anton, assignor to The Ralston Steel Car Company, Columbus, Ohio. Tank-car. No. 1,237,156; Aug. 14; v. 241; p. 555.
- Becker, Anton, assignor to The Ralston Steel Car Company, Columbus, Ohio. Car end construction. No. 1,248,792; Dec. 4; v. 245; p. 109.
- Becker, August M., Cliffside, N. J. Drill-holder. No. 1,241,327; Sept. 25; v. 242; p. 921.
- Becker, Benjamin H., and J. Ciesla, assignors to James S. Kirk & Company, Chicago, Ill. Soap-press. No. 1,231,693; July 3; v. 240; p. 53.
- Becker, Charles C., Indianapolis, Ind. Kitchen-cabinet. No. 1,215,240; Feb. 6; v. 235; p. 264.
- Becker, Cornelius A., White Salmon, Wash. Gate. No. 1,238,624; Aug. 28; v. 241; p. 1099.
- Becker, Edmund, Washington, D. C. Mixing mortar. No. 1,223,239; Apr. 17; v. 237; p. 851.
- Becker, Edmund, Washington, D. C. Concrete road and structure. No. 1,223,240; Apr. 17; v. 237; p. 851.
- Becker, Edmund H., Washington, D. C. Portable light. No. 1,218,162; Mar. 6; v. 236; p. 95.
- Becker, Edmund H., Washington, D. C., assignor to Kinetic Electric Company, Norfolk, Va. Protected electrode and making the same. No. 1,211,388; Jan. 9; v. 234; p. 381.
- Becker, Edmund H., Washington, D. C., assignor to Kinetic Electric Company, Norfolk, Va. Manufacture of electrodes. No. 1,228,169; May 29; v. 238; p. 1540.
- Becker, Frank J., Hamilton, Ohio. Molding-flask. No. 1,237,235; Aug. 14; v. 241; p. 580.
- Becker, Fred L., Chicago, Ill. Seat-cover pin. No. 1,241,606; Oct. 2; v. 243; p. 45.
- Becker, Frederick E., Fort Morgan, Colo. Coat-hanger. No. 1,245,425; Nov. 6; v. 244; p. 85.
- Becker, Frederick W., New York, N. Y. Tuning-peg for a stringed instrument. No. 1,223,554; Apr. 24; v. 237; p. 995.
- Becker, Friederich W., New Athens, Ill. Railway-carstep extension. No. 1,248,245; Nov. 27; v. 244; p. 1008.
- Becker, Henry C., St. Louis, Mo. Shade and curtain support. No. 1,235,001; July 31; v. 240; p. 1266.
- Becker, Hugo A., and A. D. Dukelow, assignors to Sill Stove Works, Rochester, N. Y. Combined coal and gas water-heater. No. 1,248,793; Dec. 4; v. 245; p. 109.
- Becker, Isaac W. (See D'Rohan, William, assignor.)
- Becker, John, assignor to Becker Milling Machine Company, Hyde Park, Mass. Standard and knee connection for milling and other machines. No. 1,225,726; May 8; v. 238; p. 607.
- Becker, John, assignor to Becker Milling Machine Company, Hyde Park, Mass. Milling and other machines. No. 1,248,794; Dec. 4; v. 245; p. 109.
- Becker, John P., St. Louis, Mo. Lock for automobiles. No. 1,224,258; May 1; v. 238; p. 52.
- Becker, Joseph, Washington, D. C., assignor to Eastman Kodak Company, Rochester, N. Y. Focusing-camera. No. 1,240,651; Sept. 18; v. 242; p. 675.
- Becker, Joseph, Washington, D. C., assignor to Eastman Kodak Company, Rochester, N. Y. Focusing-camera. No. 1,240,788; Sept. 18; v. 242; p. 718.
- Becker, Mathias B., Chicago, Ill. Crate. No. 1,216,270; Feb. 20; v. 235; p. 718.
- Becker, Mathias B., Chicago, Ill. Machine for printing prepared roofing. No. 1,222,594; Apr. 17; v. 237; p. 631.
- Becker Milling Machine Company. (See Becker, John, assignor.)
- Becker, Nicholas A., South San Francisco, Cal. Curb-bar. No. 1,221,955; Apr. 10; v. 237; p. 365.
- Becker, Oliver E., Chicago, Ill. Electric-current brush structure. No. 1,221,818; Apr. 10; v. 237; p. 316.
- Becker, Percy H., Detroit, Mich. Ash-sifter. No. 1,231,694; July 3; v. 240; p. 54.
- Becker, Peter, New York, N. Y. Universal tone-arm. No. 1,223,927; Apr. 24; v. 237; p. 1126.

- Becker, Philip A., Brooklyn, N. Y. Box-holder and supplemental display-lid. No. 1,214,502; Feb. 6; v. 235; p. 6.
- Becker, Philip A., Brooklyn, N. Y. Easel-former. No. 1,237,456; Aug. 21; v. 241; p. 690.
- Becker, Philip A., Brooklyn, N. Y. Supplemental box-lid. No. 1,244,163; Oct. 23; v. 243; p. 949.
- Becker, Reinhold S., assignor to Eastman Kodak Company, Rochester, N. Y. Marking photographic paper. No. 1,210,400; Jan. 2; v. 234; p. 7.
- Becker, Richard M., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,243,669; Oct. 16; v. 243; p. 764.
- Becker, Richard M., Brooklyn, assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,246,800; Nov. 13; v. 244; p. 526.
- Becker, Richard M., Brooklyn, assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,247,205; Nov. 20; v. 244; p. 679.
- Becker, Rudolph. (See Eichhorn and Becker.)
- Becker, Rudolph, Roselle Park, N. J., assignor to The Singer Manufacturing Company. Lubricating device. No. 1,212,440; Jan. 16; v. 234; p. 776.
- Beckers, William, and I. Dreyfus, Brooklyn, N. Y., assignors to W. Beckers Anilin & Chemical Works, Inc. Soluble color compound. No. 1,228,089; May 29; v. 238; p. 1515.
- Becket, Frederick M., Niagara Falls, assignor to Electro Metallurgical Company, New York, N. Y. Refractory composition. No. 1,244,688; Oct. 30; v. 243; p. 1146.
- Becket, Frederick M., assignor to Electro Metallurgical Company, Niagara Falls, N. Y. Alloy. No. 1,245,552; Nov. 6; v. 244; p. 125.
- Becket, Frederick M., assignor to Electro Metallurgical Company, Niagara Falls, N. Y. Alloy containing iron, cobalt, and silicon. No. 1,247,206; Nov. 20; v. 244; p. 680.
- Beckett, Arthur L., Stigler, Okla. Bucket bottom and lift. No. 1,227,032; May 22; v. 238; p. 1130.
- Beckett, Clarence A., Wilkensburg, Pa. Writing implement. No. 1,235,096; July 31; v. 240; p. 1295.
- Beckett, John S., Cranford, N. J., assignor of one-half to P. R. Moses, New York, N. Y. Recovery of alkali. No. 1,247,619; Nov. 27; v. 244; p. 828.
- Beckham, J. J. (See East, Arthur R., assignor.)
- Beckley, Robert J. (See Johnson and Beckley.)
- Beckman, Ernest D., Tolna, N. D. Pump-spout attachment. No. 1,250,944; Dec. 25; v. 245; p. 856.
- Beckman, Herman C., and G. E. Dyck, Chicago, Ill. Making artificial cream. No. 1,216,052; Feb. 13; v. 235; p. 591.
- Beckman, William H., San Gabriel, Cal. Packing-stand. No. 1,238,248; Aug. 28; v. 241; p. 977.
- Beckmann, Carl, Brooklyn, N. Y. Magazine for labeling and wrapping machines. No. 1,219,426; Mar. 20; v. 236; p. 602.
- Beckmann, Carl, Brooklyn, N. Y. Carton-upsetting device. No. 1,219,427; Mar. 20; v. 236; p. 602.
- Beckmann, Carl, Brooklyn, N. Y. Wrapping-machine. No. 1,234,605; July 24; v. 240; p. 1108.
- Beckmann, Erich, Hanover, Germany. Apparatus for transmitting movements or positions of indexes by means of multiphase-wound bodies. No. 1,211,050; Jan. 2; v. 234; p. 232.
- Becknell, George T., Nevada, Tex. Gin attachment for bolly cotton. No. 1,242,126; Oct. 9; v. 243; p. 250.
- Beckner, Bennie L., assignor of one-third to H. Witt and one-third to F. H. Schlatter, Anderson, Ind. Combination lock and switch. No. 1,229,211; June 12; v. 239; p. 331.
- Beckner, Henry C., and J. A. Ahlers, Cincinnati, Ohio. Metal bridging device. No. 1,212,172; Jan. 16; v. 234; p. 679.
- Beckwith Box Toe Company. (See Barton, Alfred, assignor.) (Reissue.)
- Beckwith Box Toe Company. (See Presby, George P., assignor.)
- Beckwith Co., The. (See Howes, George W., assignor.)
- Beckwith, Harry H. (See Baynard, William H., assignor.)
- Beckwith, Louis I., Boston, Mass. Folding frame. No. 1,224,893; May 8; v. 238; p. 326.
- Beckwith, Raymond A., Hartford, Conn., assignor to Sutton, Aspinwall & Company, New York, N. Y. Motor-vehicle transmission and clutch mechanism. No. 1,222,715; Apr. 17; v. 237; p. 674.
- Beckwith, Walter C., Fostoria, Ohio. Vehicle-wheel. No. 1,243,130; Oct. 16; v. 243; p. 602.
- Beckworth, Otto Q., and O. J. Hobson, Seattle, Wash. Apparatus and process for drying. No. 1,228,283; May 29; v. 238; p. 1576.
- Becton, Dickinson & Co. (See Laurent, Henry, assignor.)
- Bedale, Frederick E., *et al.* (See Atterbury and Matthews, assignors.)
- Bedard, Emil, Pawtucket, R. I., assignor to Hemphill Manufacturing Company. Knitting-machine for making antiravel courses in hosiery. No. 1,250,773; Dec. 18; v. 245; p. 754.
- Bedard, Ludger J., Minneapolis, Minn. Shoemaker's tool. No. 1,212,173; Jan. 16; v. 234; p. 679.
- Bedard, Ludger J., Minneapolis, Minn. Welt-stretching machine. No. 1,238,625; Apr. 23; v. 241; p. 1099.
- Bedard, Thomas A., Escanaba, Mich. Runner attachment. No. 1,217,136; Feb. 27; v. 235; p. 1063.
- Bedeas, Louis. (See Sztari, Joseph, assignor.)
- Bedell, Richard M., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,221,819; Apr. 10; v. 237; p. 316.
- Bedford, Clayton W., Tallmadge township, Summit county, assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Halogenation of gaseous hydrocarbons of the paraffin series of aliphatic hydrocarbons and their halogen derivatives. No. 1,245,553; Nov. 6; v. 244; p. 125.
- Bedford, George. (See Beck and Bedford.)
- Bedingfield, Wade R. (See Goldwire and Patton, assignors.)
- Bedrang, Charles E., Monument, Kans. Connecting-rod. No. 1,226,447; May 15; v. 238; p. 895.
- Bee, Herman L., Webster Springs, W. Va. Railway-tie. No. 1,225,751; May 15; v. 238; p. 659.
- Beebe, Caldwell C., Racine, Wis. Artificial tooth. No. 1,212,885; Jan. 16; v. 234; p. 932.
- Beebe, Elmer J., and C. C. MacGregor, Flint, Mich. Combination freight and grain car. No. 1,239,863; Sept. 11; v. 242; p. 395.
- Beebe, Frank C. (See Reynolds and Beebe.)
- Beebe, Kenneth, Portland, Oreg. Anchor. No. 1,239,551; Sept. 11; v. 242; p. 295.
- Beebe, Norman H., Anthony, Kans., H. E. Smith and G. W. Duvall, assignors to Modern Broom Machinery Company, Davenport, Iowa. Hurl cutter and separator. No. 1,247,491; Nov. 20; v. 244; p. 760.
- Beebe, Ralph W., Mount Hermon, Mass. Robe-holder. No. 1,241,700; Oct. 2; v. 243; p. 74.
- Beecher, Louis A. (See Grosvenor and Beecher.)
- Beechlyn, John T., Lynn, Mass., assignor to General Electric Company. Arc-lamp. No. 1,218,509; Mar. 6; v. 236; p. 214.
- Beechlyn, John T., Lynn, Mass., assignor to General Electric Company. Maximum-demand indicator. No. 1,239,339; Sept. 4; v. 242; p. 198.
- Beecroft, Clement, Philadelphia, Pa. Cabinet for talking-machines. No. 1,244,944; Oct. 30; v. 243; p. 1225.
- Beede, Walter E., New York, N. Y. Electrical measuring instrument. No. 1,220,587; Mar. 27; v. 236; p. 1047.
- Beede, Walter E., New York, N. Y. Circuit-indicator. No. 1,248,246; Nov. 27; v. 244; p. 1008.
- Beegle, Daniel F., Waitsburg, Wash. Grain-bin. No. 1,222,516; Apr. 10; v. 237; p. 562.
- Beehler, William H., Baltimore, Md. Embroidering process. No. 1,233,018; July 10; v. 240; p. 522.
- Beehler, William H., Baltimore, Md. Suitcase umbrella-holder. No. 1,233,019; July 10; v. 240; p. 522.
- Beehler, William H., Baltimore, Md. Folding umbrella. No. 1,233,020; July 10; v. 240; p. 522.
- Beehler, William H., assignor to William Beehler, Inc., Baltimore, Md. Marking umbrellas and the like. No. 1,215,764; Feb. 13; v. 235; p. 485.
- Beekhuis, Hermanus A., Hanford, assignor to California Peach Growers, Fresno, Cal. Removing the skins from dried fruits. No. 1,246,223; Nov. 13; v. 244; p. 352.
- Beeler, James W., St. Louis, Mo. Close-range attachment for gun-sights. No. 1,225,918; May 15; v. 238; p. 715.
- Beeman, Charley L., assignor of one-half to R. F. Kile, Riverton, Wyo. Shipping-tag. No. 1,222,595; Apr. 17; v. 237; p. 631.
- Beeman, E. R., *et al.* (See Peters, Cornelius A., assignor.)
- Beeman, Lola, *et al.* (See Reichert, Jacob L., assignor.)
- Beeman, William H., *et al.* (See Reichert, Jacob L., assignor.)
- Beemer, Frank, assignor to Nice Ball Bearing Company, Philadelphia, Pa. Antifriction-bearing. No. 1,242,911; Oct. 16; v. 243; p. 533.
- Beeneck, Joseph S., Nanticoke, Pa. Miner's blasting-box. No. 1,217,902; Mar. 6; v. 236; p. 6.
- Beere, Wynford O., Wellington, and J. E. Rough, Foxton, New Zealand. Machine for treating flax and other fibrous plants. No. 1,219,691; Mar. 20; v. 236; p. 694.
- Beerhalter, John, *et al.* (See Matthews, John S., assignor.)
- Beerhalter, John. (See Ringler and Beerhalter.)
- Beerhalter, John, Duluth, Minn. Preparing a non-alcoholic chill-proof beverage. No. 1,240,016; Sept. 11; v. 242; p. 441.
- Beers, Bradford E., Spokane, assignor of one-fourth to M. E. Davidson, Seattle, Wash. Lock for steering-wheels of vehicles. No. 1,250,127; Dec. 18; v. 245; p. 560.
- Beers, Burton B. (See Labadie and Beers.)
- Beers, Mary, East Orange, N. J. Poison-indicator for bottles. No. 1,223,241; Apr. 17; v. 237; p. 852.
- Beery, Bernard W., Portsmouth, Ohio. Piston-head. No. 1,219,223; Mar. 13; v. 236; p. 501.
- Beery, John R., Celina, Ohio. Marking-stake. No. 1,220,716; Mar. 27; v. 236; p. 1089.
- Beeson, Ira S., assignor of one-fourth to B. Lee McComb, and one-fourth to E. F. Smith, Monticello, Miss. Spring-tire. No. 1,225,210; May 8; v. 238; p. 432.
- Beeson, William H. (See James and Beeson.)
- Beetem, Frank G., Philadelphia, Pa. Housing for ball or roller bearings. No. 1,211,814; Jan. 9; v. 234; p. 527.
- Beevens, Alice F., Cleveland, Miss. Hose-supporter. No. 1,240,652; Sept. 18; v. 242; p. 676.
- Begany, Michael, Elizabeth, N. J. Combination-ruler. No. 1,224,592; May 1; v. 238; p. 171.

Alphabetical list of patentees—Continued.

- Begemann, Heinrich, Portland, Me., assignor to W. J. Gindele, Pawtucket, R. I. Apparatus for the manufacture of gas. No. 1,217,554; Feb. 27; v. 235; p. 1209.
- Begg, Alexander L. W., New York, N. Y. System of locomotion. No. 1,239,077; Sept. 4; v. 242; p. 114.
- Begg, Alexander L. W., New York, N. Y. Wheel. No. 1,242,641; Oct. 9; v. 243; p. 414.
- Beggs, Thomas R., New York, N. Y. Heat-insulating structure. No. 1,238,737; Sept. 4; v. 242; p. 5.
- Behan, Thomas, Aliquippa, Pa. Valve operating and locking means. No. 1,236,815; Aug. 14; v. 241; p. 449.
- Behan, Thomas, Aliquippa, Pa. Pipe-coupling. No. 1,236,816; Aug. 14; v. 241; p. 449.
- Behan, William, Stigler, Okla. Well-bucket. No. 1,251,325; Dec. 25; v. 245; p. 967.
- Behl, Arthur F., Milwaukee, Wis. Fluid-fuel water-heater. No. 1,210,585; Jan. 2; v. 234; p. 72.
- Behl, Bertha M., Rochester, Ill. Curtain-support. No. 1,216,271; Feb. 20; v. 235; p. 719.
- Behlen, Charles A., Richmond, Va. Autotrailer. No. 1,227,872; May 29; v. 238; p. 1441.
- Behm, Frank, Toledo, Ohio. Bath-chair. No. 1,245,660; Nov. 6; v. 244; p. 158.
- Behm, Henry, assignor to W. S. Heal, Elizabeth, N. J. Combined vibrator and spray. No. 1,225,752; May 15; v. 238; p. 660.
- Behnaman, Clara H., Beaver Falls, Pa. Composition of matter for cleaning textile fabrics, leather, &c. No. 1,234,266; July 24; v. 240; p. 999.
- Behnke, Otto. (See Heilemann, Behnke, and Koch.)
- Behnke, Wilhelm B., Ashland, Wis. Ironing-board. No. 1,223,137; Apr. 17; v. 237; p. 818.
- Behr, Hans C., New York, N. Y. Process of and apparatus for the continuous separation of liquids from solids. No. 1,241,905; Oct. 2; v. 243; p. 140.
- Behr, John, Jr., Middle Village, N. Y. Pleasure-railway. No. 1,244,411; Oct. 23; v. 243; p. 1024.
- Behrend, George H., Athens, Wis. Load-binder. No. 1,224,059; Apr. 24; v. 237; p. 1170.
- Behrendt, Barnum L., Brooklyn, N. Y. Envelop letter-sheet. No. 1,211,660; Jan. 9; v. 234; p. 473.
- Behrens, Frederick F., Springfield, Ohio. Fruit-hamper. No. 1,217,137; Feb. 27; v. 235; p. 1063.
- Behrens, John, New York, N. Y. Vending-machine. No. 1,250,774; Dec. 18; v. 245; p. 754.
- Behringer, George J., Erie, Pa. Sandpapering-machine. No. 1,228,520; June 5; v. 239; p. 50.
- Behringer, Grover F., assignor to The Defiance Pressed Steel Company, Defiance, Ohio. Steel box. No. 1,237,281; Aug. 21; v. 241; p. 633.
- Behrman, Marcus B., New York, N. Y. Seal. No. 1,239,665; Sept. 11; v. 242; p. 330.
- Behrsin, August. (See Logan, William R., assignor.)
- Beidman, Elmer H., Wheeling, W. Va. Listing device for stock-quotation boards. No. 1,220,588; Mar. 27; v. 236; p. 1047.
- Beidler, George C., Rochester, N. Y. Photographing and developing apparatus. No. 1,222,596; Apr. 17; v. 237; p. 632.
- Beidler, George C., Rochester, N. Y. Photographing and developing apparatus. No. 1,222,597; Apr. 17; v. 237; p. 632.
- Beidler, George C., Oklahoma, Okla. Developing apparatus. No. 1,230,096; June 19; v. 239; p. 662.
- Beifeld, Fannie, Chicago, Ill. Work-holder. No. 1,250,945; Dec. 25; v. 245; p. 856.
- Beighlee, Henry E., Cleveland, Ohio. Speed-indicating apparatus. No. 1,228,392; June 5; v. 239; p. 6.
- Bell, John P., King county, Wash. Automatic gate-operating mechanism. No. 1,214,001; Jan. 30; v. 234; p. 1382.
- Beindorf, Herman O. E., Homestead, Colo. Automatic dumping device. No. 1,234,717; July 31; v. 240; p. 1177.
- Beirl, Louis. (See Maurseth, Thorsten H., assignor.)
- Beisel, William J., Brooklyn, N. Y. Non-refillable bottle. No. 1,241,810; Oct. 2; v. 243; p. 109.
- Beisel, William J., Brooklyn, N. Y. Non-refillable bottle. No. 1,241,811; Oct. 2; v. 243; p. 109.
- Beistle, Martin L., Shippensburg, Pa. Garland or festoon. No. 1,247,361; Nov. 20; v. 244; p. 723.
- Beiswanger, John, assignor to Gill Brothers Company, Steubenville, Ohio. Reinforced-glass article of manufacture. No. 1,212,174; Jan. 16; v. 234; p. 680.
- Beiswanger, John, assignor to Gill Brothers Company, Steubenville, Ohio. Shade-holder. No. 1,245,177; Nov. 6; v. 244; p. 10.
- Beltman, Albert B., East Cleveland, Ohio. Cleaning device. No. 1,248,795; Dec. 4; v. 245; p. 110.
- Belanger, Peranium, Nashua, N. H. Picker-stick. No. 1,215,899; Feb. 13; v. 235; p. 534.
- Belanger, Victor, Marshfield, assignor to New Era Spinning Co., Boston, Mass. Device for spinning and twisting textile fibers. No. 1,230,097; June 19; v. 239; p. 662.
- Belasco, Jacob, New York, and A. Shapiro, Brooklyn, N. Y. Garment-hanger. No. 1,248,602; Dec. 4; v. 245; p. 52.
- Belavich, John, Monessen, Pa. Machine for wiping galvanized wire. No. 1,250,128; Dec. 18; v. 245; p. 561.
- Belcher, Ralph R., Bainbridge, Ga. Store-shelving. No. 1,246,844; Nov. 20; v. 244; p. 574.
- Beldam, George W., Ealing, England. Engine or machine packing. No. 1,248,997; Dec. 4; v. 245; p. 165.
- Beldam, George W., Ealing, and A. U. B. Ryall, Brentford, England. Pneumatic or elastic wheel-tire. No. 1,220,934; Mar. 27; v. 236; p. 1162.
- Belden, George G. (See White, Leroy L., assignor.)
- Belden, Lotta A., Birmingham, Ala. Invisible bed-drawer. No. 1,250,946; Dec. 25; v. 245; p. 856.
- Belden-Porter-Gray Company. (See Porter, Ray S., assignor.)
- Belden, Russell D., assignor to The Miller Rubber Company, Akron, Ohio. Artificial sole-stock or composition material. No. 1,250,418; Dec. 18; v. 245; p. 649.
- Belding, Floyd H., assignor of one-half to W. Boltinghouse, Lenox, Iowa. Attachment for checking corn without a wire. No. 1,233,167; July 10; v. 240; p. 571.
- Beleal, Ernest J., Valley City, N. D. Fly-poisoner. No. 1,228,170; May 29; v. 238; p. 1540.
- Belser, Adolf, Pittsburgh, Pa. Fluid-heater. No. 1,212,732; Jan. 16; v. 234; p. 882.
- Belser, Adolf, Pittsburgh, Pa. Thermostatically-controlled fluid-heater. No. 1,246,040; Nov. 13; v. 244; p. 298.
- Belser, Adolf, Pittsburgh, Pa. Valve mechanism. No. 1,246,041; Nov. 13; v. 244; p. 299.
- Belin, Edouard, Paris, France. Automatic telegraphic or radiotelegraphic transmitter. No. 1,214,989; Feb. 6; v. 235; p. 180.
- Belisnanski, George. (See Mitro, Michael, assignor.)
- Belknap, Charles H., Brooklyn, N. Y. Means for facilitating starting of gas-engines. No. 1,230,840; June 26; v. 239; p. 949.
- Belknap, Edwin D., East Orange, N. J. Stencil-card. No. 1,239,760; Sept. 11; v. 242; p. 360.
- Belknap, Robert E., assignor to Anchor Company, Chicago, Ill. Anticreeper for rails. No. 1,228,171; May 29; v. 238; p. 1540.
- Belknap, Robert E., assignor to Anchor Company, Chicago, Ill. Rail-anchor. No. 1,243,688; Oct. 23; v. 243; p. 802.
- Belknap, Robert E., assignor to Anchor Company, Chicago, Ill. Rail-anchor. No. 1,250,947; Dec. 25; v. 245; p. 856.
- Bell, Albert C., assignor to A. Kretz and U. Kornstein, Chicago, Ill. Tubular lock. No. 1,228,172; May 29; v. 238; p. 1541.
- Bell, Alexander T., Chicago, Ill. Duplicating-machine. No. 1,224,702; May 1; v. 238; p. 209.
- Bell, Alonzo C. and T. R. Westfield, N. J. Alternating-current motor. No. 1,239,761; Sept. 11; v. 242; p. 360.
- Bell, Arthur F. L., San Francisco, Cal. Apparatus for refining petroleum. No. 1,231,695; July 3; v. 240; p. 54.
- Bell, Charles E., Beaver Falls, Pa. Ladder. No. 1,240,653; Sept. 18; v. 242; p. 676.
- Bell-Clifford, Sidney, assignor to J. R. Haney, Winnipeg, Manitoba, Canada. Churn. No. 1,238,626; Aug. 28; v. 241; p. 1099.
- Bell, Dillwyn M., Oak Park, assignor to The Pressed Steel Equipment Company, Chicago, Ill. Dust-guard. No. 1,234,856; July 31; v. 240; p. 1219.
- Bell, Edwin H. (See Morse and Bell.)
- Bell, Edwin H., Chicago, Ill. Tie-plate. No. 1,219,224; Mar. 13; v. 236; p. 502.
- Bell, Elmer L., Hoxie, Kans. Pitchfork. No. 1,216,926; Feb. 20; v. 235; p. 945.
- Bell, Frank B., assignor of one-half to F. C. Riddle, Chicago Heights, Ill. Making blanks. No. 1,242,127; Oct. 9; v. 243; p. 250.
- Bell, George, Oroville, Cal. Trawling device. No. 1,251,326; Dec. 25; v. 245; p. 967.
- Bell, George T., assignor of one-half to W. K. Cooksey, Columbus, Ohio. Ventilating-chimney. No. 1,218,360; Mar. 6; v. 236; p. 165.
- Bell, Harold W., Boyd, Oreg. Cleaning attachment for harrows. No. 1,242,128; Oct. 9; v. 243; p. 250.
- Bell, Harry A., assignor to Hide, Leather & Belting Company, Indianapolis, Ind. Machine for making leather of uniform thickness. No. 1,216,053; Feb. 13; v. 235; p. 591.
- Bell, Harry A., and C. Swoboda, assignors to Hide, Leather & Belting Company, Indianapolis, Ind. Clutch-facing. No. 1,239,864; Sept. 11; v. 242; p. 395.
- Bell, Harry N., Indianapolis, Ind. Vending-machine. No. 1,250,544; Dec. 18; v. 245; p. 687.
- Bell, Harvey W., Pittsburgh, Pa. Boiler. No. 1,210,586; Jan. 2; v. 234; p. 72.
- Bell & Howell Company. (See Howell, Albert S., assignor.)
- Bell, James, West Medway, Mass. Extracting-tool. No. 1,247,362; Nov. 20; v. 244; p. 723.
- Bell, James H. (See Moore, Walter H., assignor.)
- Bell, James H. (See Small, Howard, assignor.)
- Bell, John. (See Miller and Bell.)
- Bell, John B. E., Iola, Colo. Radium-applicator. No. 1,238,872; Sept. 4; v. 242; p. 49.
- Bell, John E., New York, N. Y. Manufacture of producer-gas. No. 1,223,242; Apr. 17; v. 237; p. 852.
- Bell, John E., Brooklyn, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-boiler. No. 1,215,765; Feb. 13; v. 235; p. 486.
- Bell, John H., Haddonfield, N. J. Ice-making apparatus. No. 1,227,369; May 22; v. 238; p. 1241.
- Bell, John H., East Orange, N. J., assignor to Western Electric Company, New York, N. Y. Telegraph system. No. 1,212,733; Jan. 16; v. 234; p. 882.
- Bell, John W., Cynthia, Ky. Latch. No. 1,245,554; Nov. 6; v. 244; p. 125.

- Bell, John W., Covington, Ky., assignor to Murphy Iron Works, Detroit, Mich. Stoker-driving arm. No. 1,244,945; Oct. 30; v. 243; p. 1225.
- Bell, Lewis B., assignor of one-half to C. A. Bunde, Chicago, Ill. Street or station indicator for railways. No. 1,219,619; Mar. 20; v. 236; p. 669.
- Bell, Lucius H., Fort Dodge, Iowa. Trap-nest. No. 1,251,327; Dec. 25; v. 245; p. 967.
- Bell, Marvin, assignor of one-third to L. H. Griffin and one-third to W. F. Warren, Ardmore, Okla. Detachable tread for wheel-tires. No. 1,247,207; Nov. 20; v. 244; p. 680.
- Bell, Percy B., Biloxi, Miss. Churn. No. 1,214,413; Jan. 30; v. 234; p. 1523.
- Bell, Rollo R., Los Banos, Cal. Internal-combustion motor. No. 1,216,400; Feb. 20; v. 235; p. 766.
- Bell, Silas D., assignor to J. H. Mowrey, Childress, Tex. Rocking-chair clamp. No. 1,228,521; June 5; v. 239; p. 51.
- Bell, Thaddeus R. (See Bell, Alonzo C. and T. R.)
- Bell, Thomas S., Baltimore, Md. Bottle-cap. No. 1,214,746; Feb. 6; v. 235; p. 93.
- Bell, Wallace L., Athens, Ga. Fuel-saving device for explosion-engines. No. 1,244,689; Oct. 30; v. 243; p. 1146.
- Bell, Willard J., Newaygo, Mich., assignor to The W. S. Tyler Company, Cleveland, Ohio. Screening device. No. 1,247,620; Nov. 27; v. 244; p. 829.
- Bellah, Samuel E., assignor of one-half to T. P. Blevins, Chiricahua, Ariz. Pump. No. 1,225,563; May 8; v. 238; p. 553.
- Bellairs, Alan D., London, England. Trench-gun and the like. No. 1,237,157; Aug. 14; v. 241; p. 555.
- Bellani, Peter, Joplin, Mo. Device for teaching swimming. No. 1,238,380; Aug. 28; v. 241; p. 1021.
- Belle City Manufacturing Company. (See Hughes, Richard R., assignor.)
- Belle Isle, Charles A., Sr., Atlanta, Ga. Rail-joint. No. 1,238,146; Aug. 28; v. 241; p. 943.
- Beller, Bernard A., Bucyeros, N. Mex. Wire-stretcher. No. 1,210,755; Jan. 2; v. 234; p. 130.
- Belling, Edward C., *et al.* (See Hartlett, George D., assignor.)
- Belling-Küng, Hermine, Zurich, Switzerland. Dress-form. No. 1,246,224; Nov. 13; v. 244; p. 353.
- Bellini, Ettore, Enghien-les-Bains, France. Apparatus for directed wireless telegraphy and telephony. No. 1,221,787; Apr. 3; v. 237; p. 272.
- Bellis, Lewis A., and W. A. Bleecker, Somerville, N. J. Can-opener. No. 1,227,737; May 29; v. 238; p. 1395.
- Bellis, Lewis A., and W. A. Bleecker, Somerville, N. J. Jar-visor. No. 1,227,738; May 29; v. 238; p. 1395.
- Bellodi, Vasco, Sunlight, Colo. Candlestick-holder. No. 1,240,654; Sept. 18; v. 242; p. 676.
- Bellon, Georges A. P., Vincennes, France. Liquid-fuel burner. No. 1,238,089; Aug. 28; v. 241; p. 924.
- Bellows, Benjamin F., deceased; N. E. Bellows, Cleveland, Ohio, administratrix, assignor to Electric Compositor Company, New York, N. Y. Slug-ejecting mechanism for line-casting machines. No. 1,250,419; Dec. 18; v. 245; p. 649.
- Bellows, Nellie E., administratrix. (See Bellows, Benjamin F.)
- Bellows, Walter C., assignor of one-half to C. G. C. McKnight, Chicago, Ill. Automobile-elevating device. No. 1,245,310; Nov. 6; v. 244; p. 51.
- Bellows, Walter C., assignor, by mesne assignments, to Pelouze Manufacturing Company, Chicago, Ill. Microphonic attachment for telephone-transmitters. No. 1,248,998; Dec. 4; v. 245; p. 165.
- Belluzzo, Giuseppe, Milan, Italy. Steam-turbine. No. 1,243,131; Oct. 16; v. 243; p. 602.
- Belmore, Edwin, Portland, Oreg. Extension-table. No. 1,239,340; Sept. 4; v. 242; p. 198.
- Belobrojdic, Matija, Kansas City, Kans. Dirigible headlight for automobiles. No. 1,248,999; Dec. 4; v. 245; p. 166.
- Beloff, Raymond, Cleveland, Ohio. Automatic brake-actuating device for railway-trains. No. 1,230,098; June 19; v. 239; p. 662.
- Belt, Franz, Vienna, Austria. Pulley-block. No. 1,241,489; Oct. 2; v. 243; p. 4.
- Belt, Fred R., Chicago, Ill. Safety-razor. No. 1,250,775; Dec. 18; v. 245; p. 754.
- Belter, Henry W., Milwaukee, Wis. Apparatus for turning and securing channel-lips of welt-insoles. No. 1,250,776; Dec. 18; v. 245; p. 754.
- Beltink, Augustine S., Oakland, Cal. Cooling-coil. No. 1,235,181; July 31; v. 240; p. 1319.
- Belto, Thomas M., Phelan, Tex. Rolling cattle-guard. No. 1,250,948; Dec. 25; v. 245; p. 857.
- Belton, John D., Crowley, assignor of one-half to A. Brown, Morse, La. Apparatus for preparing food. No. 1,228,640; June 5; v. 239; p. 90.
- Beltrami, Luigi, Coupon, Pa. Ship-protecting device. No. 1,219,692; Mar. 20; v. 236; p. 694.
- Belz, Louis C., Philadelphia, Pa. Process and means for making drawn-wire articles. No. 1,239,451; Sept. 11; v. 242; p. 262.
- Beman, Frank, *et al.* (See Pilcher, Frank A., assignor.)
- Beman, Myron C., *et al.* (See Pilcher, Frank A., assignor.)
- Bement, Frank, and E. A. Logan, Shrewsbury, Mass. Insulator. No. 1,224,259; May 1; v. 238; p. 52.
- Bement, Theron R. (See Hopkins, Arthur C., assignor.)
- Bemis Car Truck Company. (See Boyer, Warren L., assignor.)
- Bemis, Richard A., San Bernardino, Cal. Wave-motor. No. 1,216,927; Feb. 20; v. 235; p. 946.
- Benbenek, Joseph, Du Quoin, Ill. Button-fastening. No. 1,215,100; Feb. 6; v. 235; p. 216.
- Benbow, Burnie L., Cleveland, Ohio, assignor to General Electric Company. Filament. No. 1,247,068; Nov. 20; v. 244; p. 639.
- Benbow, Burtis W., Eureka, Cal. Recording-compass. No. 1,216,200; Feb. 13; v. 235; p. 643.
- Benbow, Burtis W., Eureka, Cal. Recording-compass. No. 1,216,201; Feb. 13; v. 235; p. 643.
- Benbow, James D. (See Burner and Benbow.)
- Bencur, Matthew, Sacket Harbor, N. Y. Fire-escape. No. 1,241,701; Oct. 2; v. 243; p. 74.
- Bender, Adolph A., assignor to Bender Resilient Wheel Mfg. Company, Pinebluff, Wyo. Resilient vehicle-wheel. No. 1,224,060; Apr. 24; v. 237; p. 1170.
- Bender, Adolph A., Pinebluff, Wyo., assignor to Bender Resilient Wheel Mfg. Company, Pinebluff, Wyo. Resilient wheel. No. 1,242,759; Oct. 9; v. 243; p. 451.
- Bender, Edward, Westfield, Wis. Fowl-catcher. No. 1,231,116; June 26; v. 239; p. 1044.
- Bender, Frank J. (See Sharp and Bender.)
- Bender, Horace G., assignor of one-half to L. H. Bender, Akron, Ohio. Bag-making machine. No. 1,240,924; Sept. 25; v. 242; p. 795.
- Bender, John A., Lykens, Pa. Tie-bar for rails. No. 1,230,370; June 19; v. 239; p. 753.
- Bender, Llewellyn H. (See Bender, Horace G., assignor.)
- Bender Resilient Wheel Mfg. Company. (See Bender, Adolph A., assignor.)
- Bender, Robert C., St. Louis, Mo. Manifold invoice-sheets, express-receipt, and shipping-tag. No. 1,220,589; Mar. 27; v. 236; p. 1047.
- Bendix, Vincent, Chicago, Ill. Engine-starter. No. 1,212,175; Jan. 16; v. 234; p. 680.
- Bendix, Vincent, Chicago, Ill. Starter for engines. No. 1,250,269; Dec. 18; v. 245; p. 604.
- Bendixen, Kristian, Copenhagen, Denmark. Tanning fish-skins or the like. No. 1,235,543; Aug. 7; v. 241; p. 4.
- Bendixen, Kristian, assignor to Skindfabriken Unicum, Kr. Bendixen, P. Bendixen & Co., Copenhagen, Denmark. Tanning of fish-skins or the like. No. 1,230,266; June 19; v. 239; p. 720.
- Bendixen, Niels, Copenhagen, Denmark. Thermostatic circuit-breaker. No. 1,233,746; July 17; v. 240; p. 795.
- Bendixen, Victor F., Chicago, Ill. Fishpole clip or clutch. No. 1,236,659; Aug. 14; v. 241; p. 396.
- Bends, Stanley S., Chicago, Ill. Friction-brake. No. 1,250,270; Dec. 18; v. 245; p. 605.
- Benedetti, Vincenzo, Palisade, N. J. Gaiter. No. 1,230,652; June 19; v. 239; p. 848.
- Benedetti, Vincenzo, Palisade, N. J. Shoe-stretching tree. No. 1,237,861; Aug. 21; v. 241; p. 818.
- Benedick, Joseph J., Chicago, Ill. Valve-dressing tool. No. 1,233,302; July 17; v. 240; p. 649.
- Benedict, Bernard, assignor to Beacon Miniature Electric Co., Inc., New York, N. Y. Flash-light. No. 1,239,078; Sept. 4; v. 242; p. 114.
- Benedict, Bernard, assignor to Beacon Miniature Electric Co., Inc., New York, N. Y. Flash-light. No. 1,246,042; Nov. 13; v. 244; p. 299.
- Benedict, Bernard, assignor to National Carbon Company Inc., New York, N. Y. Portable electric light. No. 1,246,225; Nov. 13; v. 244; p. 353.
- Benedict, Bernard, assignor to Beacon Miniature Company, Inc., New York, N. Y. Flash-light. No. 1,250,545; Dec. 18; v. 245; p. 687.
- Benedict, Charles H., Chicago, Ill. Drying apparatus. No. 1,221,129; Apr. 3; v. 237; p. 44.
- Benedict, Frank L., Harrisburg, Pa. Paint-brush. No. 1,240,017; Sept. 11; v. 242; p. 441.
- Benedict, Fred L., Jersey City, assignor of one-half to A. Meyer, Maywood, N. J. Spring-wheel. No. 1,241,906; Oct. 2; v. 243; p. 140.
- Benedict, H. Stanley, *et al.* (See Lendner, Augustus R., assignor.)
- Benedict, Harris M., Cincinnati, Ohio. Shelf-marker. No. 1,230,653; June 19; v. 239; p. 848.
- Benedict, Henry I., assignor of one-half to A. F. Wagner, New York, N. Y. Lifting-jack. No. 1,234,606; July 24; v. 240; p. 1109.
- Benedict, Louis K., Hastings, Fla. Sulky or wheeled colter. No. 1,242,912; Oct. 16; v. 243; p. 533.
- Benedict, W. W., administrator. (See Jargo, J. Elwin.)
- Bencke, John O., assignor of one-half to D. M. Pitard, New Orleans, La. Burglar-alarm. No. 1,230,267; June 19; v. 239; p. 720.
- Bengtson, Albert. (See Stadtherr and Bengtson.)
- Bengtsson, Bror J., Källered, Sweden. Grinding-machine. No. 1,224,593; May 1; v. 238; p. 171.
- Benham, Claude F., *et al.* (See Euler, William G. B., assignor.)
- Benham, Roy H. (See Wemple and Benham.)
- Benicke, Georg, assignor to E. Offenbacher Spezialfabrik für Schmiedegewerfabrikation Meyer & Schmidt, Offenbach-on-the-Main, Germany. Machine for grinding the teeth of milling-cutters by means of rotating grinding-wheels in particular of the teeth of spiral milling-cutters. No. 1,233,543; July 17; v. 240; p. 730.

- Benidict, John M., *et al.* (See Fellows, Melvin, assignor.)
 Benisch, Gustav, Brooklyn, N. Y. Combined mold and face-plate for concrete. No. 1,216,649; Feb. 20; v. 235; p. 852.
 Benison, Thomas S., East Flat Rock, N. C. Tool-handle. No. 1,221,655; Apr. 3; v. 237; p. 226.
 Benjamin, Bert R. (See Raney, Benjamin, and Livesay.)
 Benjamin, Bert R., Oak Park, Ill. Golf-tee. No. 1,215,316; Feb. 6; v. 235; p. 291.
 Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company of New Jersey. Twine tension device for harvesters, shockers, and the like. No. 1,211,815; Jan. 9; v. 234; p. 527.
 Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company of New Jersey. Combined harvester and thresher. No. 1,222,716; Apr. 17; v. 237; p. 675.
 Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company of New Jersey. Shocking-machine. No. 1,222,717; Apr. 17; v. 237; p. 675.
 Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company of New Jersey. Grain-shocker. No. 1,222,718; Apr. 17; v. 237; p. 676.
 Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company of New Jersey. Head-holder for grain-binders. No. 1,226,629; May 22; v. 238; p. 992.
 Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company of New Jersey. Mower-oiling system. No. 1,230,841; June 26; v. 239; p. 950.
 Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company of New Jersey. Corn-harvester. No. 1,233,302; July 17; v. 240; p. 649.
 Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company of New Jersey. Buckle. No. 1,234,718; July 31; v. 240; p. 1178.
 Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company of New Jersey. Grain-binder. No. 1,241,490; Oct. 2; v. 243; p. 4.
 Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company of New Jersey. Binding mechanism. No. 1,247,069; Nov. 20; v. 244; p. 639.
 Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company of New Jersey. Harvester. No. 1,247,070; Nov. 20; v. 244; p. 639.
 Benjamin, Bert R., Oak Park, and C. Pearson, Chicago, Ill., assignors to International Harvester Company of New Jersey. Clutch mechanism. No. 1,219,225; Mar. 13; v. 236; p. 502.
 Benjamin, Clarence F., Milford, Conn. Combined carpenter's square and miter-gage. No. 1,226,172; May 15; v. 238; p. 801.
 Benjamin, Clarence F., Milford, Conn. Combined carpenter's square and miter-gage. No. 1,226,173; May 15; v. 238; p. 802.
 Benjamin, Dana H., assignor to The Guggenheim Laundry Machinery Company, Cleveland, Ohio. Clothes-pressing machine. No. 1,218,609; Mar. 6; v. 236; p. 249.
 Benjamin, Dana H., assignor to The Guggenheim Laundry Machinery Company, Cleveland, Ohio. Molding and ironing machine. No. 1,220,590; Mar. 27; v. 236; p. 1048.
 Benjamin, Dana H., and J. G. Alber, assignors to The Guggenheim Laundry Machinery Company, Cleveland, Ohio. Laundry machinery. No. 1,220,591; Mar. 27; v. 236; p. 1048.
 Benjamin, Dana H., Cleveland Heights Village, and B. W. Brockett, Cleveland, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Clothes-pressing apparatus. No. 1,230,954; June 26; v. 239; p. 998.
 Benjamin, Dowling, Camden, N. J. Compound safety-seal condensing-cap. No. 1,243,132; Oct. 16; v. 243; p. 603.
 Benjamin Electric Manufacturing Company. (See Anderson, Ernst G. K., assignor.)
 Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.) (Reissue.)
 Benjamin Electric Manufacturing Company. (See Cottrell, William, assignor.)
 Benjamin Electric Manufacturing Company. (See Gordon, David D., assignor.)
 Benjamin Electric Manufacturing Company. (See Tregoning, William C., assignor.)
 Benjamin Electric Mfg. Company. (See Cope, Charles G., assignor.)
 Benjamin Electric Mfg. Company. (See Phillips, Paul D., assignor.)
 Benjamin, George H. (See Evans, Frank T., assignor.)
 Benjamin, George H., New York, N. Y. Dehydrating apparatus. No. 1,220,815; Mar. 27; v. 236; p. 1124.
 Benjamin, George H., New York, N. Y. Dehydrating and curing tobacco. No. 1,224,703; May 1; v. 238; p. 209.
 Benjamin, George H., New York, N. Y. Apparatus for conditioning and dehydrating fibrous and other bodies. No. 1,225,211; May 8; v. 238; p. 432.
 Benjamin, George H., New York, N. Y. Drying bodies. No. 1,225,212; May 8; v. 238; p. 432.
 Benjamin, George H., New York, N. Y. Producing carbonic oxid. No. 1,225,396; May 8; v. 238; p. 497.
 Benjamin, George H., New York, N. Y. Drying hops. No. 1,226,052; May 15; v. 238; p. 761.
 Benjamin, George H., New York, N. Y. Bobbin. No. 1,237,457; Aug. 21; v. 241; p. 690.
 Benjamin, George H., New York, N. Y. Purifying raw wool. No. 1,238,873; Sept. 4; v. 242; p. 50.
 Benjamin, George R. (See Yorke and Benjamin.)
 Benjamin, Louis S. (See Smith, Stanley B., assignor.)
 Benjamin, Merrill G., Champaign, Ill. Electrically-controlled door-operating mechanism. No. 1,235,639; Aug. 7; v. 241; p. 36.
 Benjamin, Miriam E., Washington, D. C. Sole for footwear. No. 1,249,000; Dec. 4; v. 245; p. 166.
 Benjamin, Reuben B. (See Brachtl and Benjamin.)
 Benjamin, Reuben B. (See Cottrell and Benjamin.)
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Safety device for presses. No. 1,212,176; Jan. 16; v. 234; p. 680.
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Gas-engine governor. No. 1,212,177; Jan. 16; v. 234; p. 681.
 Benjamin, Reuben B., assignor to Benjamin Electric Mfg. Company, Chicago, Ill. Carbureter. No. 1,221,956; Apr. 10; v. 237; p. 366.
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Shade-supporting device. No. 1,225,397; May 8; v. 238; p. 498.
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Carbureter. No. 1,225,398; May 8; v. 238; p. 498.
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Extension-socket. (Reissue.) No. 1,343; Aug. 21; v. 241; p. 887.
 Benjamin, Reuben B., assignor to Benjamin Electric Mfg. Company, Chicago, Ill. Gas-engine-speed controller. No. 1,238,481; Aug. 28; v. 241; p. 1053.
 Benjamin, Reuben B., assignor to Benjamin Electric Mfg. Company, Chicago, Ill. Thief-proof lamp-holding device. No. 1,238,482; Aug. 28; v. 241; p. 1054.
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Reflector. No. 1,238,483; Aug. 28; v. 241; p. 1054.
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Reflector. No. 1,238,484; Aug. 28; v. 241; p. 1055.
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Shade-holding device. No. 1,238,485; Aug. 28; v. 241; p. 1055.
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Safety device for presses. No. 1,242,642; Oct. 9; v. 243; p. 414.
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Illuminating device. No. 1,245,083; Oct. 30; v. 243; p. 1266.
 Benjamin, Reuben B., assignor to Benjamin Electric Mfg. Company, Chicago, Ill. Electric-circuit-making device. No. 1,246,845; Nov. 20; v. 244; p. 575.
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical receptacle. No. 1,246,846; Nov. 20; v. 244; p. 575.
 Benjamin, Reuben B., assignor to Benjamin Electric Mfg. Company, Chicago, Ill. Lamp-socket casing. No. 1,247,492; Nov. 20; v. 244; p. 760.
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Shade-holder. No. 1,247,493; Nov. 20; v. 244; p. 761.
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Separable attachment-plug. No. 1,250,080; Dec. 11; v. 245; p. 508.
 Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Reflector. (Reissue.) No. 14,406; Dec. 11; v. 245; p. 520.
 Benjamin-Sellers Manufacturing Company. (See Brachtl and Benjamin, assignors.)
 Benjamin, William T., Newark, assignor to United Shoe Machinery Company, Paterson, N. J. Lap-seaming mechanism. No. 1,238,857; Sept. 4; v. 242; p. 44.
 Benko, Andrew, New York, N. Y. Electric apparatus. No. 1,233,304; July 17; v. 240; p. 649.
 Benko, Andrew, New York, N. Y. Portable dark chamber. No. 1,233,441; July 17; v. 240; p. 695.
 Benn, Alonzo N., Chicago, Ill. Pickling, curing, treating, and handling meat food products. No. 1,221,957; Apr. 10; v. 237; p. 366.
 Benn, Alonzo N., Chicago, Ill. Meat-smoking trolley. No. 1,226,845; May 22; v. 238; p. 1065.
 Bennecke, Charles, River Forest, Ill. Supporting-bracket. No. 1,231,986; July 3; v. 240; p. 150.
 Benner, Bion S., Mankato, and E. L. Benner, Bemidji, Minn. Automobile-lift. No. 1,218,510; Mar. 6; v. 236; p. 214.
 Benner, Ernest L. (See Benner, Bion S. and E. L.)
 Benner, Harvey F., Kenton, Ohio. Supplementary spring for vehicles. No. 1,236,042; Aug. 7; v. 241; p. 168.
 Benner, Josiah D., Dayton, Ohio. Track-sander. No. 1,220,311; Mar. 27; v. 236; p. 950.
 Benner, Raymond C., and H. F. French, Fremont, Ohio, assignors to National Carbon Company. Electric battery. No. 1,225,306; May 8; v. 238; p. 466.
 Benner, Samuel A., Pittsburgh, Pa. Truck-bolster construction. No. 1,215,766; Feb. 13; v. 235; p. 486.
 Benner, Samuel A., Pittsburgh, Pa. Truck-bolster. No. 1,224,128; May 1; v. 238; p. 4.
 Benner, Samuel A., Pittsburgh, Pa. Rolling metal sections. No. 1,226,942; May 22; v. 238; p. 1098.
 Benner, Samuel A., Pittsburgh, Pa. Truck-bolster. No. 1,230,268; June 19; v. 239; p. 721.

- Benner, Samuel A., Pittsburgh, Pa. Side-frame construction. No. 1,246,381; Nov. 13; v. 244; p. 401.
- Benner, William T., Catasauqua, Pa. Mail-box. No. 1,213,792; Jan. 23; v. 234; p. 1279.
- Benners, Edwin H., Elizabeth, N. J. Producing paving-blocks. No. 1,239,762; Sept. 11; v. 242; p. 360.
- Bennett, Ashley C., Minneapolis, Minn. Carbureter. No. 1,223,662; Apr. 24; v. 237; p. 1033.
- Bennett, Averill M., Fromberg, Mont. Rocking-chair holder. No. 1,219,058; Mar. 13; v. 236; p. 449.
- Bennett, Barent M., Jordan, N. Y. Track-scraper for street-railways. No. 1,210,886; Jan. 2; v. 234; p. 175.
- Bennett, Clarence D., Goose Creek, Tex. Hose-clamp. No. 1,244,577; Oct. 30; v. 243; p. 1114.
- Bennett, Colin N., Penzance, England. Color cinematography. No. 1,217,391; Feb. 27; v. 235; p. 1149.
- Bennett, Conrad R., Worcester, Mass. Grain-sampling device. No. 1,222,919; Apr. 17; v. 237; p. 743.
- Bennett, Dwight W., Somerton, Pa. Expansion-bolt. No. 1,247,621; Nov. 27; v. 244; p. 829.
- Bennett, Ebenezer. (See Parsons and Bennett.)
- Bennett, Edny D., Mound City, Kans. Paper unfolding and guiding attachment for type-writers. No. 1,247,071; Nov. 20; v. 244; p. 640.
- Bennett, Edward O., Oakland, Cal. Storage-cabinet. No. 1,229,212; June 12; v. 239; p. 331.
- Bennett, Ellwood F., Sayre, Pa. Rail-bender. No. 1,251,172; Dec. 25; v. 245; p. 922.
- Bennett, Erastus S. (See Bennett, Robert B., assignor.)
- Bennett, Frank M., Berkeley, Cal. Gas-compressor. No. 1,240,925; Sept. 25; v. 242; p. 795.
- Bennett, Frederick, Ravenswood, assignor to Walker and Bennett Manufacturing Company, New York, N. Y. Car-seat. No. 1,214,123; Jan. 30; v. 234; p. 1423.
- Bennett, Frederick, Ravenswood, assignor to Walker and Bennett Manufacturing Company, New York, N. Y. Car-seat. No. 1,214,124; Jan. 30; v. 234; p. 1424.
- Bennett, Frederick, Ravenswood, assignor to Walker and Bennett Manufacturing Company, New York, N. Y. Car-seat. No. 1,234,267; July 24; v. 240; p. 999.
- Bennett, George E., San Francisco, Cal. Safety-guard for cutting-machines. No. 1,226,846; May 22; v. 238; p. 1066.
- Bennett, George S., assignor to D. R. Carrier, San Francisco, Cal. Apparatus for automatically regulating, controlling, and timing fluid-temperatures. No. 1,237,458; Aug. 21; v. 241; p. 691.
- Bennett, George W., Chicago, Ill. Medicament vaporizer and burner. No. 1,211,389; Jan. 9; v. 234; p. 381.
- Bennett, Gordon C. and J. C., Detroit, Mich. Soot-blower for boilers. No. 1,240,926; Sept. 25; v. 242; p. 796.
- Bennett, Herbert G. R., Youngstown, Ohio. Motor-controller. No. 1,233,959; July 17; v. 240; p. 865.
- Bennett, Horatio S., Cleveland, Ohio. Furnace. No. 1,216,928; Feb. 20; v. 235; p. 946.
- Bennett, James C. (See Bennett, Gordon C. and J. C.)
- Bennett, James E., and F. Cellitti, Mokense, Ill. Railway-rail joint with rerailer and derailer. No. 1,225,104; May 8; v. 238; p. 897.
- Bennett, John, Jeannette, Pa. Non-glaring headlight. No. 1,245,426; Nov. 6; v. 244; p. 85.
- Bennett, John L., assignor to United States Wire Mat Company, Decatur, Ill. Implement or device for killing or disabling insects, flies, or the like. No. 1,218,619; Mar. 13; v. 236; p. 290.
- Bennett, Joseph, assignor to Germania Hosiery Mills, Philadelphia, Pa. Yarn-trap for hosiery-knitting machines. No. 1,241,328; Sept. 25; v. 242; p. 922.
- Bennett, Joseph, assignor to Germania Hosiery Mills, Philadelphia, Pa. Tension device for hosiery-knitting machines. No. 1,241,329; Sept. 25; v. 242; p. 922.
- Bennett, Leroy B. (See Bowling and Bennett.)
- Bennett, Leslie J. (See Farrell, Henry C., assignor.)
- Bennett, Martin S., Minneapolis, Kans. Lock for eggcrate tops. No. 1,216,401; Feb. 20; v. 235; p. 767.
- Bennett, Robert B., assignor to E. S. Bennett, New York, N. Y. Screw-pump. No. 1,211,390; Jan. 9; v. 234; p. 382.
- Bennett, Stephen S., Highland Park, Mich. Differential mechanism. No. 1,211,661; Jan. 9; v. 234; p. 473.
- Bennett, Warren J. (See Rogers and Bennett.)
- Bennett, William C., Rhineland, Wis. Detachable book. No. 1,220,717; Mar. 27; v. 236; p. 1090.
- Bennett, William R., Elmwood, Conn. Steel-heating furnace. No. 1,244,578; Oct. 30; v. 243; p. 1114.
- Bennington, Albert H., Park River, N. D. Gear-shifting mechanism. No. 1,220,935; Mar. 27; v. 236; p. 1162.
- Bennis, Thomas H., Brooklyn, N. Y. Closure device. No. 1,250,081; Dec. 11; v. 245; p. 508.
- Bennison, William E. (See Parker, Bennison, and Lee.)
- Bennison, William E. (See Pearce, Parker, and Bennison.)
- Benoit, Edward F., New Bedford, Mass. Sliver-cleaner for fibers. No. 1,222,840; Apr. 17; v. 237; p. 716.
- Benoit, Frederick, Chicago, Ill. Animal-trap. No. 1,218,589; Mar. 6; v. 236; p. 242.
- Benvy, Jacob. (See Schutz, John, assignor.)
- Bensa, Felice. (See Devauelle and Bensa.)
- Bensley, William C., London, England, assignor to Hawkes & Company Limited, London, England. Self-fitting and ventilating device for headwear. No. 1,235,002; July 31; v. 240; p. 1266.
- Benson, Andrew, Chicago, Ill. Shipping-case. No. 1,230,985; June 26; v. 239; p. 998.
- Benson, Charles, Coscob, Conn. Combination-rack. No. 1,240,655; Sept. 18; v. 242; p. 676.
- Benson, Charles A., Chicago, Ill. Portable square. No. 1,213,063; Jan. 16; v. 234; p. 994.
- Benson, Charles W., Duluth, Minn. Protective cover for the blades of spatulas, &c. No. 1,242,415; Oct. 9; v. 243; p. 341.
- Benson, Cyrus, Summit, N. J., assignor to Adjuta Company, Drawer. No. 1,242,760; Oct. 9; v. 243; p. 451.
- Benson, Edward, Miami, Ariz. Shoe-lace clasp. No. 1,221,656; Apr. 3; v. 237; p. 226.
- Benson, Edward, Miami, Ariz. Pump. No. 1,234,119; July 24; v. 240; p. 950.
- Benson, Ellen, Chicago, Ill. Culinary device. No. 1,211,051; Jan. 2; v. 234; p. 233.
- Benson, Elmer A., Peru, Ill. Metal shoe-sole. No. 1,210,587; Jan. 2; v. 234; p. 73.
- Benson, Frank V., and R. Sandstrom, assignors of one-fourth to H. I. Thompson and one-fourth to N. H. Cederquist, Los Angeles, Cal. Air and temperature modifying means. No. 1,240,656; Sept. 18; v. 242; p. 677.
- Benson, Helmer, Bloomfield, N. J., assignor to De Camp and Sloan, Inc. Spring-fastener for phonographs. No. 1,246,382; Nov. 13; v. 244; p. 402.
- Benson, Lawrence, Spokane, Wash. Dish-washing machine. No. 1,218,620; Mar. 13; v. 236; p. 291.
- Benson, Leonard R., et al. (See Shultz, Otto H., assignor.)
- Benson, Martin R. (See Ayres, Ernest R., assignor.)
- Benson, Mirza H., assignor of one-half to E. C. Evans, Des Moines, Iowa. Lock. No. 1,223,928; Apr. 24; v. 237; p. 1126.
- Benson, Oscar E., Glen Ridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Operator's telephone-circuit. No. 1,232,884; July 10; v. 240; p. 480.
- Benson, Otis H. (See Johnson and Benson.)
- Benson, Ralph G., assignor to The Cable Company, Chicago, Ill. Pneumatic action for musical instruments. No. 1,235,759; Aug. 7; v. 241; p. 74.
- Benson, Ralph G., assignor to The Cable Company, Chicago, Ill. Pneumatic action for musical instruments. No. 1,235,760; Aug. 7; v. 241; p. 75.
- Benson, Ralph W. (See Lacerda, Harry A., assignor.)
- Benson, Robert S., West Paris, Me. Test-plug. No. 1,212,886; Jan. 16; v. 234; p. 932.
- Benson, Sherman S., York, Nebr. Air-pressure gage. No. 1,238,249; Aug. 28; v. 241; p. 978.
- Benster, Menzo M., Gettysburg, S. D. Sash-cord fastener. No. 1,215,101; Feb. 6; v. 235; p. 216.
- Bent, Arthur F., Swampscott, assignor to G. W. Bent Co., Boston, Mass. Crib. No. 1,244,579; Oct. 30; v. 243; p. 1114.
- Bent, Roy H. and W. C., Antwerp, N. Y. Food product and making the same. No. 1,222,002; Apr. 10; v. 237; p. 401.
- Bent, Wynn C. (See Bent, Roy H. and W. C.)
- Bente, Henry K., Sedalia, Mo. Valve-gear. No. 1,247,923; Nov. 27; v. 244; p. 919.
- Bentel & Margendant Company, The. (See Gardner, John T., assignor.)
- Bentivegna, Filippo, Boston, Mass. Life-boat. No. 1,245,178; Nov. 6; v. 244; p. 10.
- Bentley, Albert F., Providence, R. I., assignor to Draper Corporation, Hopedale, Mass. Spooling and winding machine. No. 1,248,247; Nov. 27; v. 244; p. 1009.
- Bentley, Anson J., Niles, Ohio. Brick-pallet. No. 1,213,575; Jan. 23; v. 234; p. 1207.
- Bentley, Charles E., New York, N. Y. Overseam for sewed articles. No. 1,228,873; June 5; v. 239; p. 171.
- Bentley, Frank E., et al. (See Umpleby, Harry C., assignor.)
- Bentley, Frederick E., Maplewood, Mo. Changeable-character bulletin apparatus. No. 1,219,693; Mar. 20; v. 236; p. 694.
- Bentley, Frederick E., Maplewood, assignor of one-fourth to B. W. Frauenthal, one-fourth to A. S. Johnson, and one-fourth to I. L. Burlingame, St. Louis, Mo. Telephone instrument. No. 1,219,620; Mar. 20; v. 236; p. 669.
- Benton, George W., Conneaut, Ohio. Step for shovels, spades, and the like. No. 1,223,555; Apr. 24; v. 237; p. 996.
- Benton, William A., Birmingham, England. Automatic indicating weighing mechanism. No. 1,228,284; May 29; v. 238; p. 1576.
- Bentson, Hans J., Imperial, Cal., assignor to F. C. Austin, Chicago, Ill. Grading device. No. 1,237,260; Aug. 14; v. 241; p. 589.
- Bentson, Hans J., La Jolla, Cal., assignor to F. C. Austin, Chicago, Ill. Trenching-machine. No. 1,246,527; Nov. 13; v. 244; p. 445.
- Bentz, Addison J., Ashland, Ohio. Signal-lamp for vehicles. No. 1,240,115; Sept. 11; v. 242; p. 470.
- Bentz, Harry, Montclair, N. J. Air-conditioning apparatus. No. 1,218,045; Mar. 6; v. 236; p. 55.
- Bentz, Joseph J., assignor to Keystone Film Company, Los Angeles, Cal. Manufacture of articles from plaster of Paris. No. 1,221,130; Apr. 3; v. 237; p. 45.
- Benvenuti, Enrico, Genoa, Italy. Ship's light. No. 1,220,936; Mar. 27; v. 236; p. 1163.
- Benvak, John, Glassport, Pa. Life-saving raft. No. 1,249,887; Dec. 11; v. 245; p. 454.

Alphabetical list of patentees—Continued.

- Benzon, Frederick L., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Panel-board construction. No. 1,248,603; Dec. 4; v. 245; p. 53.
- Beracka, Paul. (See Dopyera, John and R., assignors.)
- Beran, Albert, Hirschwang, Austria. Telephone-booth and manufacturing the same. No. 1,230,553; June 19; v. 239; p. 815.
- Beranek, Joseph T., Mount Pleasant, Pa. Tire-chain retainer. No. 1,244,018; Oct. 23; v. 243; p. 907.
- Berchoud, Oscar, East Pittsburgh, Pa. Permutation-lock. No. 1,217,392; Feb. 27; v. 235; p. 1150.
- Beregh, Theodore J., Jr., New York, N. Y. Drying mechanism for printed matter. No. 1,251,173; Dec. 25; v. 245; p. 922.
- Beregh, Theodore J., Jr., assignor of one-half to C. Francis, New York, N. Y. Paper-feed-controlling apparatus. No. 1,228,173; May 29; v. 238; p. 1541.
- Bereiter, Walter E., Zion City, Ill. Hoisting device for ensilage-blowers. No. 1,215,241; Feb. 6; v. 235; p. 264.
- Berel, Milton, and L. Funke, New York, N. Y. Detector for wireless systems. No. 1,214,265; Jan. 30; v. 234; p. 1472.
- Bereman, John W., Leavenworth, Kans. Folding table. No. 1,219,694; Mar. 20; v. 236; p. 695.
- Berend, Ludwig, Amönburg-on-the-Rhine, Germany. Condensation product from phenols and formaldehyde. No. 1,214,474; Jan. 30; v. 234; p. 1523.
- Bereh, William F., assignor to Monmouth Plow Factory, Monmouth, Ill. Tandem disk harrow. No. 1,219,368; Mar. 13; v. 236; p. 552.
- Berg, Andrew, assignor to The Coulter & McKenzie Machine Company, Bridgeport, Conn. Eye-forming mechanism. No. 1,215,332; Feb. 13; v. 235; p. 332.
- Berg, Andrew, assignor to Coulter & McKenzie Machine Company, Bridgeport, Conn. Wire-chain-link-forming mechanism. No. 1,244,448; Oct. 23; v. 243; p. 1035.
- Berg & Beard Manufacturing Co., The. (See Berg, Carl, assignor.)
- Berg Brothers. (See Buckman, John S., assignor.)
- Berg, Carl, Brooklyn, N. Y., assignor, by mesne assignments, to The Berg & Beard Manufacturing Co., Inc. Non-refillable bottle. No. 1,220,592; Mar. 27; v. 236; p. 1049.
- Berg, Carl, assignor to The Berg & Beard Manufacturing Company, Brooklyn, N. Y. Rat-exteriorator. No. 1,220,593; Mar. 27; v. 236; p. 1049.
- Berg, Charles. (See Bache and Berg.)
- Berg, Emil G., Faribault, Minn. Feather-removing device. No. 1,217,393; Feb. 27; v. 235; p. 1150.
- Berg, Henning J., Troy, N. Y. Tub-drainer. No. 1,212,004; Jan. 9; v. 234; p. 595.
- Berg, John, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Slot-closure device. No. 1,247,208; Nov. 20; v. 244; p. 680.
- Berg, John, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Electric connector. No. 1,249,711; Dec. 11; v. 245; p. 402.
- Berg, John O., assignor to Rotary Power-Tool Company, Inc., New York, N. Y. Tool for treating stone, concrete, and other materials. No. 1,223,359; Apr. 24; v. 237; p. 925.
- Berg, John O., assignor to Rotary Power-Tool Company, Inc., New York, N. Y. Tool for treating stone, concrete, and other materials. No. 1,230,842; June 26; v. 239; p. 950.
- Berg, John O., assignor to Rotary Power Tool Company, Inc., New York, N. Y. Tool for treating stone, concrete, and other materials. (Reissue.) No. 14,392; Nov. 13; v. 244; p. 534.
- Berg, Joseph, New York, N. Y. Trunk. No. 1,235,097; July 31; v. 240; p. 1295.
- Berg, Joseph, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Lateral gear-drive for travel-indicators. No. 1,213,576; Jan. 23; v. 234; p. 1207.
- Berg, Joseph, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Vehicle-bumper support. No. 1,240,167; Sept. 18; v. 242; p. 523.
- Berg, Lars J. (See Gunn and Berg.)
- Berg, Lars J., Chicago, Ill. Car-truck. No. 1,220,170; Mar. 27; v. 236; p. 899.
- Berg, Paul J., Chicago, Ill. Electric sign. No. 1,246,847; Nov. 20; v. 244; p. 575.
- Bergami, Otto, Berlin-Karlshorst, and C. Saemann, Berlin-Friedenau, assignors to Actien Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Manufacture of betain from vinasses. No. 1,219,226; Mar. 13; v. 236; p. 502.
- Berge, Nicholas J., Deerfield, Wis. Road-drag. No. 1,224,438; May 1; v. 238; p. 118.
- Berge, Ole. (See Champion and Berger.)
- Bergen, Abram S., Huntington, N. Y. Carbureter. No. 1,212,887; Jan. 16; v. 234; p. 933.
- Bergen, Laura A., San Francisco, Cal. Portable stove. No. 1,217,139; Feb. 27; v. 235; p. 1063.
- Bergen Point Iron Works. (See Smith, Augustus, assignor.)
- Berger, Adolf, assignor of one-half to R. Gottlieb, Philadelphia, Pa. Reversible garment. No. 1,224,704; May 1; v. 238; p. 210.
- Berger, Christian, assignor to Submarine Wireless Company, New York, N. Y. Automatically-operating toy or the like. No. 1,243,350; Oct. 16; v. 243; p. 677.
- Berger, Dellno, Madison township, Franklin county, Ohio. Lock for use in automobiles. No. 1,216,054; Feb. 13; v. 235; p. 591.
- Berger, Herman L., and F. C. Knochel, New York, N. Y. Sound-box. No. 1,248,062; Nov. 27; v. 244; p. 956.
- Berger, Joseph, Jr., Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. No. 1,213,449; Jan. 23; v. 234; p. 1163.
- Berger, Joseph, Jr., Utica, N. Y., assignor to Union Special Machine Co., Chicago, Ill. Folder for sewing-machines. No. 1,225,919; May 15; v. 238; p. 715.
- Berger, Joseph, Jr., Utica, N. Y., assignor, by mesne assignments, to Union Special Machine Company. Feeding mechanism for sewing-machines. No. 1,228,393; June 5; v. 239; p. 6.
- Berger, Joseph, Jr., Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Sewing-machine. No. 1,247,072; Nov. 20; v. 244; p. 640.
- Berger, Max E., St. Louis, Mo. Agricultural vehicle. No. 1,232,420; July 3; v. 240; p. 292.
- Bergeon, Hector A., Montreal, Quebec, Canada. Furnace. No. 1,220,312; Mar. 27; v. 236; p. 950.
- Bergeon, Henri L., Walstonburg, N. C. Sled. No. 1,217,903; Mar. 6; v. 236; p. 6.
- Bergeron, Jasmin P., Pasadena, assignor of one-half to H. C. Shippee, Los Angeles, Cal. Rail-fastening device. No. 1,237,990; Aug. 21; v. 241; p. 861.
- Bergeron, Jules B., Fairbury, Nebr. Chain-connector. No. 1,237,605; Aug. 21; v. 241; p. 738.
- Bergeson, Albert, Albert Lea, Minn. Cigar-tip cutter. No. 1,218,830; Mar. 13; v. 236; p. 367.
- Bergeson, Emil B. (See Reardon and Bergeson.)
- Berget, Herman, Keene, N. D. Automatic vehicle-brake. No. 1,221,273; Apr. 3; v. 237; p. 97.
- Berggren, Frithjof, Brooklyn, N. Y. Key-fastener. No. 1,235,098; July 31; v. 240; p. 1295.
- Berggren, Per, Bridgeport, Conn. Drafting-pen. No. 1,241,079; Sept. 25; v. 242; p. 840.
- Bergh, Frederick P., Yonkers, N. Y., assignor to General Reduction Company. Evaporating or concentrating process. No. 1,249,001; Dec. 4; v. 245; p. 166.
- Bergh, Susan G., West New York, N. J. Clothes-pounder. No. 1,233,639; July 17; v. 240; p. 763.
- Bergborn, Olga, Jersey City, N. J. Key-dress. No. 1,220,171; Mar. 27; v. 236; p. 899.
- Bergin, William, Lewistown, Mont. Gate and operating mechanism for the same. No. 1,216,402; Feb. 20; v. 235; p. 767.
- Berglund, Gunder O., Deerfield, Wis. Journal-box. No. 1,230,986; June 26; v. 239; p. 998.
- Berglann, Christian J., Seattle, Wash. Seine-puller. No. 1,249,888; Dec. 11; v. 245; p. 454.
- Berglund, August, assignor of one-half to A. Godenius, Saginaw, Minn. Trap-hook. No. 1,217,689; Feb. 27; v. 235; p. 1256.
- Berglund, August, assignor of one-half to A. Godenius, Saginaw, Minn. Trap-hook. No. 1,217,690; Feb. 27; v. 235; p. 1257.
- Berglund, Edward S., Trollhättan, Sweden. Method and apparatus for extracting zinc. No. 1,236,395; Aug. 14; v. 241; p. 309.
- Berglund, Herman, Mahtowa, assignor of one-half to L. Compagne, Duluth, Minn. Means for securing knife-blades to a knife-bar. No. 1,218,511; Mar. 6; v. 236; p. 210.
- Bergman, Alick O., Millaca, Minn. Display and dispensing device. No. 1,231,475; June 26; v. 239; p. 1162.
- Bergman, Carl O. (See Mark and Bergman.)
- Bergman, Erick, Wayside, Miss. Lead-line controller. No. 1,214,125; Jan. 30; v. 234; p. 1424.
- Bergman, Lars H., Philadelphia, Pa. Pulverized-fuel burner. No. 1,213,820; Jan. 30; v. 234; p. 1319.
- Bergman, Lars H., Philadelphia, Pa. Pulverized-fuel burner. No. 1,213,821; Jan. 30; v. 234; p. 1319.
- Bergman, Lars H., Philadelphia, Pa. Pulverized-fuel burner. No. 1,213,822; Jan. 30; v. 234; p. 1320.
- Bergman, Sven R., Lynn, Mass., assignor to General Electric Company. Dynamo-electric machine. No. 1,221,657; Apr. 3; v. 237; p. 227.
- Bergman, Sven R., Nahant, Mass., assignor to General Electric Company. Alternating-current motor. No. 1,240,018; Sept. 11; v. 242; p. 442.
- Bergman, William G., assignor to The Toledo Glass Company, Toledo, Ohio. Glass-tank furnace. No. 1,237,282; Aug. 21; v. 241; p. 634.
- Bergman, William G., assignor to The Toledo Glass Company, Toledo, Ohio. Glass-tank. No. 1,237,283; Aug. 21; v. 241; p. 634.
- Bergrner, Harry A. (See McFerren, William S., assignor.)
- Bergquist, Clarence S., Seattle, Wash. Power-transmission pulley. No. 1,238,627; Aug. 28; v. 241; p. 1100.
- Bergren, John A., assignor of one-twentieth to A. Holmgren, three-twentieths to J. H. Moan, three-twentieths to C. H. Kelson, one-twentieth to C. T. Strand, and two twentieths to A. F. Youngberg, Lake Park, Minn. Gang-plow. No. 1,214,002; Jan. 30; v. 234; p. 1382.
- Bergsten, John, Taft, Cal. Temper-screw connection. No. 1,239,865; Sept. 11; v. 242; p. 395.
- Bergstresser, Wilson H., Bancroft, S. D. Gambrel. No. 1,228,174; May 29; v. 238; p. 1541.
- Bergstrom, Carl G. G., St. Paul, assignor of one-half to G. D. E. Bergstrom, Minneapolis, Minn. Bag-holder. No. 1,230,060; June 12; v. 239; p. 611.

- Bergstrom, Carl O., assignor to B. F. Sturtevant Company, Boston, Mass. Oil-deflector. No. 1,224,260; May 1; v. 238; p. 52.
- Bergstrom, Carl O., assignor to B. F. Sturtevant Company, Boston, Mass. Electric air-heater. No. 1,235,761; Aug. 7; v. 241; p. 75.
- Bergstrom, Edwin N., East Lynn, Mass. Spring-roll for leather-working machines. No. 1,210,401; Jan. 2; v. 234; p. 7.
- Bergstrom, George D. E. (See Bergstrom, Carl G. G., assignor.)
- Bergström, Gunnar. (See Carlson and Bergström.)
- Bering, August C., Jr., Houston, Tex. Receiptacle. No. 1,240,927; Sept. 25; v. 242; p. 796.
- Beringer, Charles A., Bradley Beach, N. J. Odorless garbage-can. No. 1,238,090; Aug. 28; v. 241; p. 925.
- Berini, Joseph. (See Patenaude, Amable O., assignor.)
- Berkebile, Adam G., Somerset, Pa. Combination plumb-line. No. 1,235,956; Aug. 7; v. 241; p. 140.
- Berkebile, Robert F., Kantner, Pa. Vacuum-operated brake mechanism. No. 1,216,542; Feb. 20; v. 235; p. 815.
- Berkel, Johannes C. von, Copenhagen, Denmark. Inter-mittent operating mechanism for slicing-machines. No. 1,247,909; Nov. 27; v. 244; p. 915.
- Berkey, Luther E., New York, N. Y. Tray attachment for bedsteads. No. 1,232,757; July 10; v. 240; p. 439.
- Berkmann, Irvin S. (See Cole, William A., assignor.)
- Berkovitz, Benjamin, Joliet, Ill. Automobile-top-holding device. No. 1,250,949; Dec. 25; v. 245; p. 857.
- Berkowitz, Isaac, New York, N. Y. Light-bracket. No. 1,234,607; July 24; v. 240; p. 1109.
- Berkstresser, Robert H., York, Pa. Bread-box. No. 1,241,330; Sept. 25; v. 242; p. 922.
- Berkwits, Max, assignor to Layman Berkwits Co., Inc., New York, N. Y. Beltless coat. No. 1,234,608; July 24; v. 240; p. 1109.
- Berles, Edward, assignor to John C. Moninger Company, Chicago, Ill. Gearing. No. 1,223,754; Apr. 24; v. 237; p. 1066.
- Berliat, Joseph, Grenoble, France. Mixed reinforced concrete construction without coffering. No. 1,241,187; Sept. 25; v. 242; p. 875.
- Berlin, Bruce, New York, N. Y. Pillow-block. No. 1,231,839; July 3; v. 240; p. 103.
- Berlin Mills Company. (See Hanson, Hugo H., assignor.)
- Berlin Mills Company. (See Parker, Howard, assignor.)
- Berliner, Emile, Washington, D. C. Flying torpedo. No. 1,228,522; June 5; v. 239; p. 51.
- Berliner, Isidor, and L. Weitzman, Toronto, Ontario, Canada. Muff and similar article. No. 1,216,929; Feb. 20; v. 235; p. 946.
- Berman, Oscar A. (See Pride, John H., assignor.)
- Bern, Edward A. (See Yost, Frederick W., assignor.)
- Bernales, Julio C., Lima, Peru. Device for lowering bodies. No. 1,219,530; Mar. 20; v. 236; p. 638.
- Bernard, Alphonse S., Spreckels, Cal. Garden implement. No. 1,232,188; July 3; v. 240; p. 219.
- Bernard, Harry O., Birmingham, Ala. Water-cooled welding-electrode. No. 1,221,958; Apr. 10; v. 237; p. 366.
- Bernard, Harry O., Birmingham, Ala. Culvert-pipe. No. 1,234,609; July 24; v. 240; p. 1110.
- Bernard, John A. (See Updegraff, Charles D., assignor.)
- Bernard, Kurishaling K., Jubbulpore, India. Music-leaf turner and music-portfolio. No. 1,220,313; Mar. 27; v. 236; p. 951.
- Bernard, Philip, Sioux City, Iowa. Rain-water filter. No. 1,211,052; Jan. 2; v. 234; p. 233.
- Bernard, Philip, Sioux City, Iowa. Window. No. 1,211,053; Jan. 2; v. 234; p. 234.
- Bernard, Philip, Sioux City, Iowa. Chicken-waterer. No. 1,211,054; Jan. 2; v. 234; p. 234.
- Bernard, Philip, Sioux City, Iowa. Adjusting device for windows. No. 1,233,960; July 17; v. 240; p. 865.
- Bernard, Roscoe M., Summerfield, Kans. Animal-trap. No. 1,234,120; July 24; v. 240; p. 950.
- Bernard, William A., assignor to The William Schollhorn Company, New Haven, Conn. Paper-fastening tool. No. 1,229,213; June 12; v. 239; p. 331.
- Bernard, William A., assignor to The William Schollhorn Company, New Haven, Conn. Hand-tool. No. 1,236,138; Aug. 7; v. 241; p. 195.
- Bernardi, Frank, Stockton, assignor to Patent Electric Fuse Spitter Co., Mokelumne Hill, Cal. Fuse-spitter. No. 1,218,512; Mar. 6; v. 236; p. 215.
- Bernardin, Alfred L., Evansville, Ind. Bottle-cap. No. 1,244,412; Oct. 23; v. 243; p. 1025.
- Bernardin, Alfred L., Evansville, Ind. Bottle-cap. No. 1,244,413; Oct. 23; v. 243; p. 1025.
- Berndt, John R., Moline, Ill. Furniture attachment. No. 1,211,527; Jan. 9; v. 234; p. 427.
- Bernecker, George E., assignor to Record-Lite Company, Milwaukee, Wis. Lighting attachment for sound-reproducing machines. No. 1,249,288; Dec. 4; v. 245; p. 249.
- Berner, J., *et al.* (See Collister and McDonald, assignors.)
- Berner, Jesse S. (See Leich and Berner.)
- Berners, Edward C., Two Rivers, Wis. Glue and muclage pencil. No. 1,223,360; Apr. 24; v. 237; p. 925.
- Berners, Edward C., Two Rivers, Wis. Dispensing-receptacle for muclage. No. 1,224,894; May 8; v. 238; p. 326.
- Bernhard, Christian, Anthon, Iowa. Mail-transferring apparatus. No. 1,217,394; Feb. 27; v. 235; p. 1150.
- Bernhard, Harry I. (See Kelly, William J., assignor.)
- Bernhard, Richard, Milwaukee, Wis., assignor, by mesne assignments, to Worthington Pump and Machinery Corporation. Drier. No. 1,221,412; Apr. 3; v. 237; p. 145.
- Bernhard, William A., Woodhaven, N. Y. Folding chair. No. 1,241,907; Oct. 2; v. 243; p. 141.
- Bernhardt, David F., New York, N. Y. Plaster-block-making machine. No. 1,225,753; May 15; v. 238; p. 660.
- Bernheim, Ernst, Dusseldorf, Germany, assignor of one-half to C. F. Burgess, Madison, Wis., and one-half to C. J. Kirk, New Castle, Pa. Coating iron, steel, or other metals with metal. No. 1,244,414; Oct. 23; v. 243; p. 1025.
- Bernheim, Morris U. (See Alvey and Bernheim.)
- Bernheim, Morris U., Louisville, Ky., assignor, by mesne assignments, to The Alvey-Ferguson Company, Cincinnati, Ohio. Conveying system. No. 1,222,598; Apr. 17; v. 237; p. 633.
- Bernheim, Morris U., assignor to The Alvey-Ferguson Company, Cincinnati, Ohio. Indicating mechanism. No. 1,233,059; Aug. 21; v. 241; p. 882.
- Bernheim, Morris U., assignor to The Alvey-Ferguson Company, Oakley, Cincinnati, Ohio. Spiral conveyor. No. 1,250,777; Dec. 18; v. 245; p. 755.
- Bernheim, Morris U., assignor to The Alvey-Ferguson Company, Oakley, Cincinnati, Ohio. Spiral conveyor. No. 1,250,778; Dec. 18; v. 245; p. 755.
- Bernier, Frank A., Springfield, Mass. Shaft-aliner. No. 1,235,279; July 31; v. 240; p. 1349.
- Bernstein, Celia, New York, N. Y. Display device. No. 1,232,189; July 3; v. 240; p. 219.
- Bernstein, Gustave, Royat, France. Vulcanization of rubber and other similar substances. No. 1,240,116; Sept. 11; v. 242; p. 470.
- Bernstein, Henry A., New York, N. Y. Arch and ankle support. No. 1,211,055; Jan. 2; v. 234; p. 235.
- Bernstein, Samuel. (See Appelman and Bernstein.)
- Berntzen, Axel C., Eugene, Oreg. Automatic chicken-feeding machine. No. 1,214,881; Feb. 6; v. 235; p. 138.
- Bernz, Otto, Newark, N. J. Filling-funnel plug. No. 1,234,268; July 24; v. 240; p. 999.
- Bero, Charles E., Chicago, Ill. Mattress. No. 1,214,415; Jan. 30; v. 234; p. 1524.
- Berold, Frederick H., Wyoming, Ohio. Sheet-delivery mechanism. No. 1,234,121; July 24; v. 240; p. 951.
- Berold, Frederick H., Wyoming, Ohio. Sheet-delivering mechanism for printing-presses. No. 1,234,122; July 24; v. 240; p. 951.
- Berold, Frederick H., Jr., Cincinnati, Ohio. Paper-bag machine. No. 1,212,178; Jan. 16; v. 234; p. 681.
- Berquist, Victor, Seattle, Wash. Differential transmission. No. 1,247,494; Nov. 20; v. 244; p. 761.
- Berrigan, John J., Orange, N. J., assignor to Henry R. Worthington. Press. No. 1,227,739; May 29; v. 238; p. 1395.
- Berrigan, Joseph N., Dunedin, Prince Edward Island, Canada. Window-lock. No. 1,247,622; Nov. 27; v. 244; p. 829.
- Berriman, Edward C., Chicago, Ill. Device for indicating the outline of the back. No. 1,234,527; July 24; v. 240; p. 1084.
- Berry, Andrew J. (See Heard, Lucius B., assignor.)
- Berry, Arthur, Springfield, Mo. Automatic farm-gate. No. 1,221,274; Apr. 3; v. 237; p. 97.
- Berry, Benjamin A., Toledo, Ohio. Stock feed. No. 1,228,175; May 29; v. 238; p. 1541.
- Berry, Charles M., assignor to The Reinforced Propeller and Insulating Company, Inc., New York, N. Y. Propeller. No. 1,228,874; June 5; v. 239; p. 171.
- Berry, Charles S., assignor of one-third to L. T. Slayden and one-third to J. S. Graham, Tuckerman, Ark. Mentholated or minted cathartic salts. No. 1,212,888; Jan. 16; v. 234; p. 933.
- Berry, Charles W., West Somerville, Mass. Recorder. No. 1,216,272; Feb. 20; v. 235; p. 719.
- Berry, Charles W., West Somerville, Mass. Indicator. No. 1,244,019; Oct. 23; v. 243; p. 908.
- Berry, Clarence T. (See Palmer and Berry.)
- Berry, Daniel O., Chicago, Ill. Furnace. No. 1,213,146; Jan. 23; v. 234; p. 1056.
- Berry, Edward F., New Orleans, La. Detachable pipe-coupling. No. 1,233,168; July 10; v. 240; p. 571.
- Berry, Edward F., New Orleans, La. Coupling. No. 1,233,169; July 10; v. 240; p. 572.
- Berry, Edward F., New Orleans, La. Coupling. No. 1,233,170; July 10; v. 240; p. 572.
- Berry, Edward F., New Orleans, La. Coupling. No. 1,233,171; July 10; v. 240; p. 573.
- Berry, Edward F., New Orleans, La. Coupling. No. 1,233,172; July 10; v. 240; p. 573.
- Berry, Elza P., assignor of one-half to J. M. De Jarnette, Sedalia, Mo. Mud-lug for propelling autos. No. 1,217,904; Mar. 6; v. 236; p. 7.
- Berry, Frank K., Calhoun, assignor to A-B-Stove Company, Battle Creek, Mich. Water-heater. No. 1,246,848; Nov. 20; v. 244; p. 570.
- Berry, George W., Rose Bay, New South Wales, Australia. Combination cigar-cutter, match-ejector, and indicator. No. 1,238,381; Aug. 28; v. 241; p. 1021.

Alphabetical list of patentees—Continued.

- Berry, George W., Rose Bay, near Sydney, assignor to The Wireless Hinge Manufacturing Company Limited, Sydney, New South Wales, Australia. Apparatus for connecting the bodies and lids of pressed sheet-metal receptacles. No. 1,219,428; Mar. 20; v. 236; p. 603.
- Berry, George W., Rose Bay, near Sydney, New South Wales, assignor to The Wireless Hinge Manufacturing Company Limited, Sydney, Australia. Constructing lid-hinges for sheet-metal receptacles. No. 1,223,848; Apr. 24; v. 237; p. 1098.
- Berry, George W., Rose Bay, near Sydney, New South Wales, assignor to The Wireless Hinge Manufacturing Company Limited, Sydney, Australia. Manufacture of lids for pressed sheet-metal receptacles. No. 1,223,849; Apr. 24; v. 237; p. 1099.
- Berry, George W., Rose Bay, assignor to The Wireless Hinge Manufacturing Company Limited, Sydney, New South Wales, Australia. Hinging of sheet-metal receptacles. No. 1,235,640; Aug. 7; v. 241; p. 36.
- Berry, James M., Detroit, Mich. Rim. No. 1,211,056; Jan. 2; v. 234; p. 235.
- Berry, James W., Iowa City, Iowa. Flush-tank siphon. No. 1,235,641; Aug. 7; v. 241; p. 36.
- Berry, Jesse H., Boston, Mass. Vehicle wind-shield. No. 1,217,265; Feb. 27; v. 235; p. 1105.
- Berry, John, Llandudno, Wales. Apparatus for controlling internal-combustion engines. No. 1,235,544; Aug. 7; v. 241; p. 4.
- Berry, Nelson D., Columbus, Ohio. Feed-trough. No. 1,243,689; Oct. 23; v. 243; p. 802.
- Berry, Robert C., Indianapolis, Ind. Carbon-removing means for internal-combustion engines. No. 1,221,959; Apr. 10; v. 237; p. 367.
- Berry, Robert C., Indianapolis, Ind. Method and means for removing carbon in internal-combustion engines. No. 1,230,654; June 19; v. 239; p. 848.
- Berry, Seneca L., Sunnyvale, assignor to L. S. Roy-lance and F. H. Searls, San Francisco, Cal. Agitator. No. 1,249,002; Dec. 4; v. 245; p. 167.
- Berry, William D., Florence, Ala. Mail-carrier. No. 1,216,930; Feb. 20; v. 235; p. 946.
- Berry, William D., Muskogee, Okla., assignor to The Kny-Scheerer Corporation. Thermometer-cautery. No. 1,229,704; June 12; v. 239; p. 497.
- Berry, William O., Caro, Mich. Article-support for ladders. No. 1,221,658; Apr. 3; v. 237; p. 227.
- Berryhill, John H., F. E. Hand, and L. A. Thomas, assignors to The Vulcan Plow Company, Evansville, Ind. Lifting mechanism for plows. No. 1,222,517; Apr. 10; v. 237; p. 562.
- Berryman, Grover C., Los Angeles, Cal. Making tubes for automobile-tires. No. 1,245,859; Nov. 6; v. 244; p. 217.
- Berryman, John A., New York, N. Y. Stove attachment. No. 1,244,690; Oct. 30; v. 243; p. 1146.
- Berryman, Robert J., Philadelphia, Pa. Method of and apparatus for manufacturing ice from raw water. No. 1,225,213; May 8; v. 238; p. 453.
- Bersbach, Emil, Chicago, assignor to R. J. Jacker, Oak Park, Ill. Luggage-carrier for roadsters. No. 1,222,572; Apr. 10; v. 237; p. 583.
- Bertelsen, Alf, San Francisco, Cal. Utensil-holder. No. 1,236,139; Aug. 7; v. 241; p. 195.
- Bertelsen, Andrew, *et al.* (See Sinbad, Charles, assignor.)
- Bertelsen, Peter J. M., *et al.* (See Sinbad, Charles, assignor.)
- Berthelote, Joseph T., Havre, Mont. Display device. No. 1,244,282; Oct. 23; v. 243; p. 987.
- Berthelote, Joseph T., Havre, Mont. Automatic door operating and controlling means for garages. No. 1,244,283; Oct. 23; v. 243; p. 987.
- Berthelsen, Anders L., Chicago, Ill. Teat-cup. No. 1,220,172; Mar. 27; v. 236; p. 900.
- Berthold, Charles, Richmond Hill, N. Y. Lock-valve device. No. 1,244,691; Oct. 30; v. 243; p. 1147.
- Bertolini, Angelo T. (See Allyn and Bertolini.)
- Bertram, Gustave J., and F. E. Nitzsche, Brooklyn, N. Y. Lock. No. 1,246,383; Nov. 13; v. 244; p. 402.
- Bertram, Henry W., assignor to McDougall Company, Frankfort, Ind. Kitchen-cabinet. No. 1,219,412; Mar. 13; v. 236; p. 567.
- Bertram, Henry W., assignor to McDougall Company, Frankfort, Ind. Cabinet. No. 1,231,233; June 26; v. 239; p. 1082.
- Bertram, William E., Brooklyn, and T. S. Homans, Hempstead, assignors to Intertype Corporation, New York, N. Y. Typographical machine. No. 1,225,564; May 8; v. 238; p. 553.
- Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Channeling-machine. No. 1,213,793; Jan. 23; v. 234; p. 1279.
- Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Channeling-machine. No. 1,213,802; Jan. 23; v. 234; p. 1283.
- Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-channeling machine. No. 1,236,660; Aug. 14; v. 241; p. 397.
- Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Preparing soles. No. 1,236,661; Aug. 14; v. 241; p. 397.
- Bertrand, Frederic E., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. In-sole-reinforcing machine. No. 1,218,046; Mar. 6; v. 236; p. 56.
- Bertrand, George N., Stafford Springs, Conn. Stop-motion for looms. No. 1,238,628; Aug. 28; v. 241; p. 1100.
- Bertsch, Charles C. (See Kallenbach and Bertsch.)
- Bertsch & Company. (See Bertsch, Lawrence H., assignor.)
- Bertsch, George A., Providence, R. I. Fuel-mixer. No. 1,216,403; Feb. 20; v. 235; p. 767.
- Bertsch, George A., Providence, R. I. Combustion-chamber and means for controlling the admission of fuel thereto. No. 1,232,481; July 10; v. 240; p. 348.
- Bertsch, John C., New York, N. Y. Refrigerating apparatus. No. 1,224,594; May 1; v. 238; p. 171.
- Bertsch, John C., New York, N. Y. Refrigerating apparatus. No. 1,245,179; Nov. 6; v. 244; p. 11.
- Bertsch, John C., Edgewood Park, Pa. Refrigeration. No. 1,246,849; Nov. 20; v. 244; p. 576.
- Bertsch, John C., Edgewood Park, Pa. Refrigerating apparatus and regulator. No. 1,247,209; Nov. 20; v. 244; p. 680.
- Bertsch, Lawrence H., assignor to Bertsch & Company, Cambridge City, Ind. Gage operating and controlling mechanism for punching and riveting machines. No. 1,226,174; May 15; v. 238; p. 802.
- Berzon, Louis. (See Tarshis, Berzon, and Brezin.)
- Berzon, Louis, Mount Vernon, N. Y. Scale. No. 1,211,057; Jan. 2; v. 234; p. 235.
- Besancon, Henry, Stephen, Minn. Motor-driven post-hole digger. No. 1,243,580; Oct. 16; v. 243; p. 736.
- Besaw, Clarence, Hammond, N. Y. Curtain-hanger. No. 1,229,018; June 5; v. 239; p. 216.
- Besaw, Willie O., Reedley, Cal. Fuse-plug. No. 1,240,157; Sept. 11; v. 242; p. 482.
- Beskin, Samuel, Norfolk, Va. Coin-controlled mechanism for vending-machines. No. 1,211,528; Jan. 9; v. 234; p. 427.
- Beskow, Bernhard M., and C. S. Kellogg, New York, N. Y. Traction-wheel. No. 1,235,642; Aug. 7; v. 241; p. 37.
- Bess, William W., Maricopa, Cal. Fishing-tool for under-reamer-lugs. No. 1,242,129; Oct. 9; v. 243; p. 250.
- Bessant, Frederick R., assignor of one-half to H. J. Peck, Atkinson, Ill. Disk for disk plows. No. 1,214,882; Feb. 6; v. 235; p. 139.
- Besser, Herman, Alpena, Mich. Concrete railway-tie. No. 1,217,555; Feb. 27; v. 235; p. 1210.
- Besser, Stanley. (See Kook, Cheli, assignor.)
- Besserlich, William A., assignor of one-half to B. A. Mosling, Clintonville, Wis. Steering mechanism. (Re-issue.) No. 14,249; Jan. 16; v. 234; p. 1021.
- Bessesen, Alfred N., Minneapolis, Minn. Syringe. No. 1,223,243; Apr. 17; v. 237; p. 852.
- Bessler, Vetal, Brooklyn, N. Y. Piano. No. 1,251,174; Dec. 25; v. 245; p. 922.
- Bessler, Frank E., Akron, Ohio. Movable stairway. No. 1,219,695; Mar. 20; v. 236; p. 695.
- Bessler, Frank E., Akron, Ohio. Movable stairway. No. 1,219,696; Mar. 20; v. 236; p. 696.
- Bessler, Frank E., Akron, Ohio. Movable stairway. No. 1,219,697; Mar. 20; v. 236; p. 696.
- Bessmer, Heiman. (See Fifield, Charles F., assignor.)
- Bessom, Earl A., assignor to The Wheeler-Schebler Carbureter Co., Indianapolis, Ind. Carbureter. No. 1,221,502; Apr. 3; v. 237; p. 176.
- Best, Arthur M., Shelby, Iowa. Draft-equalizer. No. 1,243,243; Oct. 16; v. 243; p. 636.
- Best, Carl E. (See Chamberlain and Best.)
- Best, Clarence L., Elmhurst, Cal. Tractor. No. 1,232,482; July 10; v. 240; p. 348.
- Best, John H. (See Lutz, John, assignor.)
- Best, Joseph L. (See Lents and Best.)
- Best, Leonard S., assignor of one-half to J. J. Birmingham, Suisun, Cal. Dish-washing machine. No. 1,240,298; Sept. 18; v. 242; p. 567.
- Best, Otto, San Francisco, Cal. Automatic self-cleaning filter. No. 1,246,850; Nov. 20; v. 244; p. 576.
- Best, Robert A., Grand Rapids, Mich. Tire-rim tool. No. 1,211,663; Jan. 9; v. 234; p. 474.
- Best, Robert A., assignor of one-half to G. M. Fish, Grand Rapids, Mich. Tire-rim tool. No. 1,211,662; Jan. 9; v. 234; p. 473.
- Best, William I., and S. H. Shepard, McLeansboro, Ill. Tractor. No. 1,230,655; June 19; v. 239; p. 849.
- Best, William J., assignor to Gas Oil Stove Company, Detroit, Mich. Hydrocarbon-burner. No. 1,227,239; May 22; v. 238; p. 1201.
- Best, William M., and W. P. Cunningham, Morris, Okla. Pumping-jack. No. 1,211,529; Jan. 9; v. 234; p. 428.
- Best, William N., Brooklyn, N. Y. Truss. No. 1,221,016; Apr. 3; v. 237; p. 5.
- Best, William N., New York, N. Y. Air-heater. No. 1,231,117; June 26; v. 239; p. 1044.
- Best, William N., New York, N. Y. Liquid-fuel burner. No. 1,232,756; July 10; v. 240; p. 439.
- Best, William N., assignor to M. W. Dresser, Brooklyn, N. Y. Steam-generator. No. 1,212,889; Jan. 16; v. 234; p. 933.
- Best, William N., assignor of one-half to C. H. Silliman, New York, N. Y. Provision-safe. No. 1,228,523; June 5; v. 239; p. 51.
- Bethard, Fred D. (See Lindner, Arthur, assignor.)
- Bethea, Peter H., Washington, D. C. Whip-socket lock. No. 1,241,331; Sept. 25; v. 242; p. 922.

- Bethel, Albert R., Westport, Md. Apparatus for milling bottle-molds. No. 1,219,227; Mar. 13; v. 236; p. 503.
- Bethenod, Joseph. (See Girardeau and Bethenod.)
- Bethlehem Steel Company. (See Cornbrooks, Thomas M., assignor.)
- Bethlehem Steel Company. (See Henry, Samuel T., assignor.)
- Bethlehem Steel Company. (See Madden and Lukens, assignors.)
- Bethune, Harry F., and R. J. O'Neill, Denver, Colo. Upper framing for insulated steel railway-cars. No. 1,221,960; Apr. 10; v. 237; p. 367.
- Betker, Edward T., Kansas City, Mo. Multiway valve. No. 1,214,747; Feb. 6; v. 235; p. 93.
- Betker, Edward T., assignor to B. T. Hickman, Kansas City, Mo. Pressing-machine. No. 1,250,420; Dec. 18; v. 245; p. 649.
- Bett, Frank G., Cleveland Ohio. Window-shade bracket. No. 1,219,621; Mar. 20; v. 236; p. 670.
- Bettendorf, J. W., administrator. (See Bettendorf, William P.)
- Bettendorf, Joseph W., administrator. (See Bettendorf, William P.)
- Bettendorf, William P., deceased; J. W. Bettendorf, administrator, Davenport, Iowa. Draft-rigging. No. 1,223,755; Apr. 24; v. 237; p. 1067.
- Bettendorf, William P., deceased, Davenport, Iowa; J. W. Bettendorf, administrator. Underframe for cars. No. 1,234,269; July 24; v. 240; p. 1000.
- Better Broom Company. (See McClaine, William F., assignor.)
- Bettinger, Posey W., San Jose, Cal. Valve-spring lifter. No. 1,246,528; Nov. 13; v. 244; p. 445.
- Bettini, Gianni, Paris, France. Plate and plate-holder for moving-picture apparatus. No. 1,242,416; Oct. 9; v. 243; p. 342.
- Bettini, Gianni, Paris, France, assignor to Bettini Syndicate, Limited, London, England. Moving-picture apparatus. No. 1,210,887; Jan. 2; v. 234; p. 175.
- Bettini Syndicate. (See Bettini, Gianni, assignor.)
- Bettis, William L., Los Angeles, assignor of one-half to Western Well Works, San Francisco, Cal. Lubricating system. No. 1,239,452; Sept. 11; v. 242; p. 263.
- Betts, Anson G., Asheville, N. C. Paint and making same. No. 1,213,330; Jan. 23; v. 234; p. 1122.
- Betts, Benjamin B., St. Louis, Mo. Combined anticreeping rail and tie-plate. No. 1,240,406; Sept. 18; v. 242; p. 600.
- Betts, Benjamin B., St. Louis, Mo. Combined anticreeping rail and tie-plate. No. 1,240,407; Sept. 18; v. 242; p. 600.
- Betts, Benjamin B., St. Louis, Mo. Multiple-rail chair. No. 1,240,408; Sept. 18; v. 242; p. 601.
- Betts, Edward E., Evanston, Ill. Combined stock and gondola car. No. 1,239,558; Sept. 11; v. 242; p. 296.
- Betts, Major H., Bloomfield, N. J. Cigarette-box. No. 1,210,888; Jan. 2; v. 234; p. 175.
- Betts, William H., and F. Rought, St. Louis, Mo. Flyscreen. No. 1,237,284; Aug. 21; v. 241; p. 634.
- Betulander, Gotthilf A., Södertörns Villastad, Sweden, and N. G. Palmgren, London, England; said Palmgren assignor to said Betulander. Automatic or semi-automatic telephone-exchange system. No. 1,234,610; July 24; v. 240; p. 1110.
- Betz, Charles F., St. Louis, Mo. Machine for making pretzels. No. 1,250,779; Dec. 18; v. 245; p. 756.
- Betz, Harry D., Kansas City, Mo. Coherer-protector. No. 1,242,512; Oct. 9; v. 243; p. 371.
- Betzer, Marvin A., Seattle, Wash. Drier. No. 1,247,495; Nov. 20; v. 244; p. 761.
- Betzle, Martin, Prairie du Chien, Wis. Rotary engine. No. 1,220,594; Mar. 27; v. 236; p. 1049.
- Beuchel, Theodore W. (See Schmidt and Beuchel.)
- Beuchler, John R., Jr., Washington, D. C. Flesh-reducing apparatus. No. 1,238,091; Aug. 28; v. 241; p. 925.
- Baugier, Edwin F., assignor to E. & B. Holmes Machinery Company, Buffalo, N. Y. Machine for preparing barrel-shells to receive heads. No. 1,241,080; Sept. 25; v. 242; p. 841.
- Beutlich, Richard F., assignor to The 20th Century Machinery Company, Chicago, Ill. Bottle-soaking machine. No. 1,234,611; July 24; v. 240; p. 1110.
- Beutlich, Richard F., Chicago, Ill., and F. Sochurek, Jr., West Allis, assignors to Milwaukee Brewers Specialty Company, Milwaukee, Wis. Heater. No. 1,232,885; July 10; v. 240; p. 480.
- Bevan, Edward J., London, England. Absorbent for carbon dioxide in breathing apparatus for use in mine-rescue work or like purposes. No. 1,223,244; Apr. 17; v. 237; p. 853.
- Bevan, Tom W., Nantyglo, Wales. Surgical bedstead. No. 1,242,315; Oct. 9; v. 243; p. 309.
- Beverage Machine and Bottle Co. (See Crovo, Paul, assignor.)
- Beverley, Joel H., et al. (See Wolfe, Clinton M., assignor.)
- Bevilacqua, Giuseppe, Genoa, Italy. Production of carbonate of lead. No. 1,231,476; June 26; v. 239; p. 1162.
- Beville, Webster J., Holloway, London, England. Illuminated sign or advertisement. No. 1,239,154; Sept. 4; v. 242; p. 140.
- Bevington, John E., Cleveland, assignor of one-half to A. H. Greeley, West Dover, Ohio. Valve-packing. No. 1,239,866; Sept. 11; v. 242; p. 396.
- Beydler, William E., Beaverton, Oreg. Guard. No. 1,249,589; Dec. 11; v. 245; p. 365.
- Beyen, Frederick W. (See Reiboldt and Beyen.)
- Beyer, Albert W. T., Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,238,060; Aug. 21; v. 241; p. 882.
- Beyer, Anton. (See Immerheiser and Beyer.)
- Beyer, Charles E., Mazatlan, Mexico. Concentrator. No. 1,221,659; Apr. 3; v. 237; p. 227.
- Beyer, Henry A., Corona, N. Y., assignor to C. E. Pope, Pittsburgh, Pa. Process for use in the formation of attaching means for bail-cars. No. 1,236,043; Aug. 7; v. 241; p. 168.
- Beyer, Henry A., Corona, assignor to Paragon Metal Cap Co., Brooklyn, N. Y. Bottle-capping machine. No. 1,249,003; Dec. 4; v. 245; p. 167.
- Beyers, Charles A., Kane, Pa. Shoe-polishing stand. No. 1,226,053; May 15; v. 238; p. 762.
- Beymer, George D., Portland, Oreg., assignor to G. F. Hupner, Omaha, Nebr. Cleaning and polishing liquid for varnished surfaces and making same. No. 1,218,163; Mar. 6; v. 236; p. 95.
- Bezer, Henry, Newark, N. J. Railway signaling system. No. 1,221,017; Apr. 3; v. 237; p. 5.
- Bhisey, Shanker A., assignor to R. Tata, London, England. Type-casting machine. No. 1,228,524; June 5; v. 239; p. 51.
- Bhisey, Shanker A., assignor to R. Tata, London, England. Type-casting machine. No. 1,240,168; Sept. 18; v. 242; p. 524.
- Bianchi, Attilio, New York, N. Y. Toy. No. 1,249,004; Dec. 4; v. 245; p. 168.
- Bibb, George F. (See Carter and Bibb.)
- Bibb, George F., Troy, N. Y., assignor to Ruud Manufacturing Company, Pittsburgh, Pa. Stoking-door for furnaces, &c. No. 1,220,718; Mar. 27; v. 236; p. 1090.
- Bibb, Pearl M., and T. Ludat, Minden, W. Va. Pump-strainer. No. 1,231,477; June 26; v. 239; p. 1162.
- Bibbins, Charles D. (See Vanderlip, Washington, assignor.)
- Bibbins, Francis E. (See Eldred, Bibbins, and Reed.)
- Biberfeld, Arthur, assignor, by mesne assignments, to Heinrich Wollheim and Ossenbach, Industrie-gesellschaft m. b. H., Berlin, Germany. Facing for walls and ceilings. No. 1,212,005; Jan. 9; v. 234; p. 595.
- Bibleheiser, Francis J., Jr., Baltimore, Md. Faucet. No. 1,226,175; May 15; v. 238; p. 803.
- Bicalky, Charles H., Buffalo, N. Y. Ventilator. No. 1,218,164; Mar. 6; v. 236; p. 96.
- Bicalky, Charles H., Buffalo, N. Y. Air-washing apparatus. No. 1,225,696; May 8; v. 238; p. 597.
- Bice, Arthur W., Windsor, Ontario, Canada. Gas-regulating valve. No. 1,221,660; Apr. 3; v. 237; p. 228.
- Bick, George, Chicago, Ill. Carpenter's square. No. 1,236,817; Aug. 14; v. 241; p. 449.
- Bicker, Edgar B., assignor of one-third to E. Eickhoff, St. Louis, Mo. Cigar-can. No. 1,222,719; Apr. 17; v. 237; p. 676.
- Bickerstaff, John D., Hobart, Okla. Baling-press. No. 1,241,491; Oct. 2; v. 243; p. 4.
- Bickerstaff, Rolland M., New York, N. Y., assignor to National Printing and Engraving Co., Chicago, Ill. Display-card. No. 1,236,253; Aug. 7; v. 241; p. 233.
- Bickford, Charles A., Chicago, Ill. Lever-locking device. No. 1,236,396; Aug. 7; v. 241; p. 309.
- Bickford, Estelle B. (See Bickford, Samuel M., assignor.)
- Bickford, Frank H., Kingston, assignor to The Adder Machine Company, Wilkes-Barre, Pa. Calculating-machine. No. 1,228,641; June 5; v. 239; p. 91.
- Bickford, Samuel M., assignor to E. B. Bickford, Lock Haven, Pa. Protecting type-writing. No. 1,244,946; Oct. 30; v. 243; p. 1225.
- Bickford, Warren F., Muskogee, Okla. Washing-machine. No. 1,231,987; July 3; v. 240; p. 150.
- Bickhard, J. Henry, Toledo, Ohio. Mail-bag delivering and receiving apparatus. No. 1,213,823; Jan. 30; v. 234; p. 1320.
- Bickhart, Grabill J., Hilbert, Wis. Elevator-head. No. 1,221,961; Apr. 10; v. 237; p. 367.
- Bicknell, Frank A. (See Whelpley and Bicknell.)
- Biddison, Eugene, Fox Lake, assignor of one-half to E. E. Skillin, River Grove, Ill. Bow-facing-ear mechanism. No. 1,223,756; Apr. 24; v. 237; p. 1067.
- Biddle, David O., Bakers Summit, Pa. Furniture-caster. No. 1,214,416; Jan. 30; v. 234; p. 1524.
- Biddle, Graham, Oakland, Cal. Electric switch. No. 1,238,382; Aug. 28; v. 241; p. 1021.
- Biddle, John M., et al. (See Mechau, Frederick A., assignor.)
- Biddle, Walter H., London, England. Automatic railway signaling train control or the like. No. 1,250,780; Dec. 18; v. 245; p. 756.
- Biddle, William T., assignor of one-half to S. Hammond, Wilmington, Del. Safe automatic drifting device for locomotives. No. 1,251,328; Dec. 25; v. 245; p. 968.
- Biddy, Edward K. (See Sturtevant and Biddy.)
- Bidwell, Clarence G., assignor to The New Departure Manufacturing Company, Bristol, Conn. Work-holder. No. 1,235,957; Aug. 7; v. 241; p. 1.

Alphabetical list of patentees—Continued.

- Bidwell, Irwin F., H. M. Flavel, E. E. Henry, and L. C. McLeod, Astoria, Oreg. Coin-handling device. No. 1,211,530; Jan. 9; v. 234; p. 428.
- Bie, Albert, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Engine-cylinder. No. 1,226,630; May 22; v. 238; p. 993.
- Bie, Albert, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Combustion-engine piston. No. 1,226,631; May 22; v. 238; p. 993.
- Bie, Albert, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Engine-cylinder. No. 1,227,240; May 22; v. 238; p. 1201.
- Biebling, David A., Moline, Ill., assignor to La Crosse Plow Co., La Crosse, Wis. Plow. No. 1,232,483; July 10; v. 240; p. 349.
- Biebling, David A., assignor to La Crosse Plow Company, La Crosse, Wis. Tractor-plow. No. 1,239,559; Sept. 11; v. 242; p. 296.
- Biebling, David A., Moline, Ill., assignor to La Crosse Plow Co., La Crosse, Wis. Plow. No. 1,246,851; Nov. 20; v. 244; p. 577.
- Biebow, Frederick C., Denver, Colo. Hood-support. No. 1,218,740; Mar. 13; v. 236; p. 334.
- Bieder, Edward J., assignor to B. C. Mathes, Rochester, N. Y. Diffusing device for disinfectants, deodorants, or other fumes. No. 1,246,529; Nov. 13; v. 244; p. 446.
- Bieder, Herman. (See Schoenl and Bieder.)
- Biederman, Charles H., assignor of one-half to The O. Armleder Company, Cincinnati, Ohio. Spring-mounting for vehicles. No. 1,235,643; Aug. 7; v. 241; p. 37.
- Biegert, Herman L., Montevideo, Minn. Carrier attachment for automobiles. No. 1,243,034; Oct. 16; v. 243; p. 574.
- Bieker, Anthony H., Allan, Saskatchewan, Canada. Filler-plug. No. 1,228,285; May 29; v. 238; p. 1577.
- Biele, Joseph C., Chicago, Ill. Freight-car construction. No. 1,238,874; Sept. 4; v. 242; p. 50.
- Bienstock, Anna E., Newark, N. J. Knockdown garment-stand. No. 1,231,118; June 26; v. 239; p. 1044.
- Bierbaum, Christopher H., Buffalo, N. Y. Slide-shifting device for projection apparatus. No. 1,226,176; May 15; v. 238; p. 803.
- Bierck, Harold A., Philadelphia, Pa. Operating musical instruments from a single source of power. No. 1,247,363; Nov. 20; v. 244; p. 723.
- Bierck, Harold A., Philadelphia, Pa., assignor, by mesne assignments, to Kinetic Engineering Company. Pneumatic controller for mechanical piano-players. No. 1,241,812; Oct. 2; v. 243; p. 110.
- Biersdorf, Matthew F., Los Angeles, Cal. Automatic safety gate-closing device for freight-elevators. No. 1,229,019; June 5; v. 239; p. 217.
- Biesel, Charles, El Paso, Tex. Dehydrator. No. 1,223,245; Apr. 17; v. 237; p. 853.
- Biffar, Fred. (See Donadio, Prospero, assignor.)
- Bigelow, Ernest A. (See Cock, Gerald A., assignor.)
- Bigelow, G. F., et al. (See Kopp, John P., assignor.)
- Bigelow, James A., Waltham, and L. F. Chapin, Newton Center, assignors to W. D. Young & Co., Inc., Boston, Mass. Suture. No. 1,250,114; Dec. 11; v. 245; p. 518.
- Bigelow, Joseph C., Olympia, Wash. Tatting-shuttle. No. 1,228,286; May 29; v. 238; p. 1577.
- Biggestaff, James, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Manufacture of commutator-bars. No. 1,242,417; Oct. 9; v. 243; p. 342.
- Biggin, Charles H., Redlands, Cal. Lubricator. No. 1,220,719; Mar. 27; v. 236; p. 1090.
- Biggins, William C. and W. H. Diamond, Ind. Automatically-operated railway-gate. No. 1,246,384; Nov. 13; v. 244; p. 402.
- Biggins, William H. (See Biggins, William C. and W. H.)
- Biglin, Harold C., et al. (See Finizio, Thomas D., assignor.)
- Bignell, Edward, Lincoln, assignor to Concrete Piling Company, Seward, Nebr. Construction of and method of sinking piles. No. 1,241,813; Oct. 2; v. 243; p. 110.
- Bigoney, Thomas W., New York, N. Y. Dispensing-top for containers. No. 1,249,289; Dec. 4; v. 245; p. 250.
- Bijur, Joseph, assignor to The Safety Car Heating and Lighting Co., New York, N. Y. Regulating apparatus. No. 1,210,889; Jan. 2; v. 234; p. 176.
- Bijur, Joseph, assignor to The Safety Car Heating and Lighting Co., New York, N. Y. Automatic switch. No. 1,222,720; Apr. 17; v. 237; p. 676.
- Bijur, Joseph, assignor to The Safety Car Heating and Lighting Co., New York, N. Y. Railway lighting apparatus. No. 1,241,908; Oct. 2; v. 243; p. 141.
- Bijur, Joseph, assignor to Bijur Motor Lighting Company, New York, N. Y. Engine-starting apparatus. No. 1,233,961; July 17; v. 240; p. 866.
- Bijur, Joseph, New York, N. Y., assignor to Bijur Motor Lighting Company, Hoboken, N. J. Armature for dynamo-electric machines. No. 1,237,459; Aug. 21; v. 241; p. 691.
- Bijur, Joseph, assignor to Bijur Motor Lighting Company, New York, N. Y. Electrical apparatus. No. 1,246,852; Nov. 20; v. 244; p. 577.
- Bijur Motor Lighting Company. (See Bijur, Joseph, assignor.)
- Bill, Fred M., et al. (See Shultz, Otto H., assignor.)
- Bill, Frederick M. (See Peters, Hubert, assignor.)
- Bill, Harry L., Detroit, Mich. Accelerator foot-rest. No. 1,218,047; Mar. 6; v. 236; p. 56.
- Billant, Louis L., Paris, France. Hand-grenade. No. 1,217,556; Feb. 27; v. 235; p. 1210.
- Billerman, William G., Cleveland, Ohio. Advertising device. No. 1,224,261; May 1; v. 238; p. 53.
- Billett, Josiah S. G., Teddington, England. Spring-wheel for vehicles. No. 1,216,650; Feb. 20; v. 235; p. 853.
- Billinghurst, Charles B., Pierre, S. D. Device for controlling shock. No. 1,216,931; Feb. 20; v. 235; p. 947.
- Billings, Clarence B., New Haven, Conn. Sand-blast apparatus. No. 1,214,641; Feb. 6; v. 235; p. 55.
- Billings, Donald U., Topeka, Kans. Slide-presenting machine. No. 1,226,177; May 15; v. 238; p. 804.
- Billings, Frank. (See Greenleaf, Robert P., assignor.)
- Billings, Frank, Cleveland, Ohio. Conveyor. No. 1,212,890; Jan. 16; v. 234; p. 934.
- Billings, Fred F. (See Langford and Billings.)
- Billings, Frederick I., and F. C. Schofield, Baltimore, Md. Tobacco-leaf-stripping machine. No. 1,212,441; Jan. 16; v. 234; p. 776.
- Billings & Spencer Company, The. (See Bayrer, Louis G., assignor.)
- Billings, Warren T., Dover, assignor to W. P. Upham, Keene, N. H. Medicated printer's ink. No. 1,233,962; July 17; v. 240; p. 866.
- Billingsley, Chas. C. (See Smith, William M., assignor.)
- Billington, Arthur R., assignor to The Strand Machinery Company, Chicago, Ill. Machine for interweaving curled horsehair. No. 1,243,133; Oct. 16; v. 243; p. 603.
- Billington, John E. (See Pearce and Billington.)
- Billitter, Jean, Vienna, Austria-Hungary. Self-igniting electric-arc candle. No. 1,216,404; Feb. 20; v. 235; p. 768.
- Bills, Grant, Watkins, N. Y. Carton-filling machine. No. 1,226,448; May 15; v. 238; p. 895.
- Bills, Robert E. (See Rogers, Stephen G., assignor.)
- Billstrom, Nels J., Rockford, Ill. Glue-clamp machine. No. 1,219,429; Mar. 20; v. 236; p. 603.
- Bilton, George E., Toronto, Ontario, Canada. Service-tray. No. 1,217,266; Feb. 27; v. 235; p. 1105.
- Bilton, George E., assignor of one-half to N. C. Maynard, Toronto, Ontario, Canada. Tray. No. 1,221,788; Apr. 3; v. 237; p. 272.
- Bilton, George E., assignor of one-half to N. C. Maynard, Toronto, Ontario, Canada. Collapsible table. No. 1,236,900; Aug. 14; v. 241; p. 474.
- Biltone, William A., Houghton, Mich. Soldering-iron. No. 1,233,963; July 17; v. 240; p. 866.
- Bilyeu, Simon P., Sacramento, Cal. Automatic lubricator. No. 1,230,371; June 19; v. 239; p. 754.
- Bilyeu, William F., Riverton, N. J., assignor to Warren Webster & Company, Apparatus for measuring feed-water, &c. No. 1,226,847; May 22; v. 238; p. 1066.
- Bimler, Peter, Zoar, assignor of one-half to F. Foltz, Navarre, Ohio. Bottle-cover and advertising device. No. 1,246,385; Nov. 13; v. 244; p. 403.
- Binkley, George S., Los Angeles, Cal. Discharge-valve. No. 1,243,134; Oct. 16; v. 243; p. 603.
- Binkley, George S., Los Angeles, Cal., assignor, by mesne assignments, to D. A. Starbuck and I. B. Funk. Fluid-meter. No. 1,241,418; Oct. 2; v. 243; p. 111.
- Bindel, Alfred A., Racine, Wis. Wrench. No. 1,250,082; Dec. 11; v. 245; p. 509.
- Binder Company, The. (See Tompkins, Robert F., assignor.)
- Binder, Frank A., New York, N. Y. Photographic developing apparatus. No. 1,213,489; Jan. 23; v. 234; p. 1176.
- Binder, Gottlob, Rochester, N. Y., assignor to American Laundry Machinery Company, Cincinnati, Ohio. Ironing-machine. No. 1,210,402; Jan. 2; v. 234; p. 7.
- Binder, Gottlob, assignor to American Laundry Machinery Company, Rochester, N. Y. Ironing-machine. No. 1,238,875; Sept. 4; v. 242; p. 50.
- Bingham, Forrest E., New Bedford, Mass. Liquid filtering and delivering apparatus. No. 1,230,099; June 19; v. 239; p. 663.
- Binkley, Robah J., Pomona, Cal. Beet-cutting machine. No. 1,238,982; Sept. 4; v. 242; p. 85.
- Binkley, Robah J., Pomona, and R. A. Steps, Los Angeles, Cal. Beet-cutter. No. 1,241,702; Oct. 2; v. 243; p. 74.
- Binks, Charles, Manchester, England. Fuel-vaporizer for internal-combustion engines. No. 1,239,079; Sept. 4; v. 242; p. 115.
- Binns, Edward H., Pittsburgh, Pa. Shoe. No. 1,215,767; Feb. 13; v. 235; p. 486.
- Bintliff, Wilbert T., assignor of one-half to A. B. Laing, Plainfield, N. J. Primer for gas-engines. No. 1,237,862; Aug. 21; v. 241; p. 819.
- Binzel, Otto, Wilmington, Del. Shoe stretcher and former. No. 1,226,449; May 15; v. 238; p. 895.
- Biondo, Philip L., assignor of one-half to C. Cirabolo, Brooklyn, N. Y. Sewing-machine needle-guard. No. 1,220,816; Mar. 27; v. 236; p. 1125.
- Birand, Felix P., Jr., Mortlach, Saskatchewan, Canada. Wrench. No. 1,230,656; June 19; v. 239; p. 849.
- Birch, Albert. (See Fletcher, Robert E., assignor.)
- Birch, Clarence E., Lawrence, Kans. Writing-chart. No. 1,216,405; Feb. 20; v. 235; p. 768.

- Birch, George L., Wilton, Ky. Lubricating-axle. No. 1,216,768; Feb. 20; v. 235; p. 893.
- Birch, Gustaf B. (See Cameron and Birch.)
- Birchard, Ford G., Lewisburg, Pa. Spring-wheel. No. 1,245,661; Nov. 6; v. 244; p. 158.
- Bircher, Eugene A., Rochester, N. Y. Currency-slit-ter. No. 1,227,370; May 22; v. 238; p. 1241.
- Birchwood, Charles W. (See McBean and Birchwood.)
- Bird, Charles S., and G. R. Wyman, Walpole, Mass.; said Wyman assignor to said Bird. Making paper-board. No. 1,216,055; Feb. 13; v. 235; p. 592.
- Bird, Charles W. (See Schroeder and Bird.)
- Bird, Clarence A., West Mansfield, Ohio. Swingletree connection. No. 1,243,581; Oct. 16; v. 243; p. 737.
- Bird, David B., Chicago, Ill. Fowl-disinfectant apparatus. No. 1,230,843; June 26; v. 239; p. 950.
- Bird, Frederick H., Chicago, Ill., assignor to American Steel Foundries, New York, N. Y. Coupling-pocket. No. 1,223,466; Apr. 24; v. 237; p. 962.
- Bird, Harry A., et al. (See Snyder, Charles P., assignor.)
- Bird, James, Buffalo, N. Y. Street-indicator. No. 1,225,214; May 8; v. 238; p. 433.
- Bird Machine Company. (See Clarke, Ralph S., assignor.)
- Bird, Maitland J., Central Falls, R. I. Bag-carrier. No. 1,246,530; Nov. 13; v. 244; p. 446.
- Bird, Walter, Cincinnati, Ohio. Oven. No. 1,239,341; Sept. 4; v. 242; p. 198.
- Bird, William F., assignor to Davenport Wagon Company of Illinois, Davenport, Iowa. Axle for vehicles. No. 1,224,262; May 1; v. 238; p. 53.
- Birdsall, James E., Philadelphia, Pa. Musical cabinet. No. 1,247,785; Nov. 27; v. 244; p. 880.
- Birdsall, James E., Philadelphia, Pa., assignor to W. Gibson. Electrical grounding-clamp. No. 1,219,228; Mar. 13; v. 236; p. 503.
- Birdsall, James E., Philadelphia, Pa., assignor, by mesne assignments, to National Shoe Polishing Machine Corporation, New York, N. Y. Pedestal for shoe-polishing machines. No. 1,246,031; Nov. 6; v. 244; p. 265.
- Birdsell, William A., Sr., Ravenna, Mich. Harvester. No. 1,214,990; Feb. 6; v. 235; p. 180.
- Birk, August T. (See Cooper, Lyman M., assignor.)
- Birkeland, Kristian, assignor to Norsk Hydro-elektrisk Kvaestofaktieselskab, Christiania, Norway. Manufacture of concentrated nitric acid. No. 1,236,662; Aug. 14; v. 241; p. 397.
- Birkigt, Marc, Bois-Colombes, France. Valve-gear. No. 1,225,565; May 8; v. 238; p. 554.
- Birkigt, Marc, Bois-Colombes, France. Connecting-rod. No. 1,227,371; May 22; v. 238; p. 1242.
- Birkigt, Marc, Bois-Colombes, France. Cylinder, particularly for explosion-engines. No. 1,233,964; July 17; v. 240; p. 866.
- Birkigt, Marc, Bois-Colombes, France. Forced lubrication. No. 1,241,332; Sept. 25; v. 242; p. 923.
- Birkland, Anton N., Streeter, N. D. Eccentric. No. 1,250,271; Dec. 18; v. 245; p. 605.
- Birky, Chris, Beemer, Nebr. Folding washstand. No. 1,212,006; Jan. 9; v. 234; p. 595.
- Birmingham Disc Harrow Company. (See Shemwell, Harold, assignor.)
- Birmingham Iron Foundry. (See Banbury, Fernley H., assignor.)
- Birmingham, John J. (See Rest, Leonard S., assignor.)
- Birnbaum, Charles. (See Eliasoff and Birnbaum.)
- Birnbryer, Mary B., et al, executors. (See Baum, Jacob.)
- Birney, Charles O. (See Bosenbury, Joseph M., assignor.)
- Birnstock, William W., assignor to Hensch & Dromgold Company, York, Pa. Fertilizer-distributor. No. 1,218,361; Mar. 6; v. 236; p. 165.
- Birnstock, William W., assignor to Hensch & Dromgold Company, York, Pa. Cultivator. No. 1,226,450; May 15; v. 238; p. 895.
- Birnswieg, Jacob S., New York, N. Y. Die for blanking out buttons. No. 1,229,572; June 12; v. 239; p. 454.
- Birnswieg, Jacob S., New York, N. Y. Die for blanking out and piercing buttons. No. 1,242,644; Oct. 9; v. 243; p. 415.
- Birol, Marco, Pavia, Italy. Producing glossy threads from viscose. No. 1,226,178; May 15; v. 238; p. 804.
- Biron, George B., Duluth, Minn. Surgical instrument. No. 1,218,513; Mar. 6; v. 236; p. 215.
- Birrell, Joseph D. (See Simmon and Birrell.)
- Bischof, Frank J., Detroit, Mich. Curtain-pole. No. 1,233,835; July 17; v. 240; p. 824.
- Bischof, Ulrich, Winterthur, assignor to Gebr. Stäubli, Horgen, Switzerland. Thread-stitching machine for bookbinding. No. 1,217,395; Feb. 27; v. 235; p. 1150.
- Bischof, Ulrich, Winterthur, assignor to Gebr. Stäubli, Horgen, Switzerland. Thread-stitching machine for bookbinding. No. 1,235,099; July 31; v. 240; p. 1295.
- Bischoff, Paul, St. Gallen, Switzerland. Machine for winding strips of fabrics. No. 1,211,058; Jan. 2; v. 234; p. 235.
- Bisher, William B., Taylor, Nebr. Doubletree-support. No. 1,210,890; Jan. 2; v. 234; p. 176.
- Bishoff, George A., assignor to Simplex Spreader Manufacturing Company, Kansas City, Mo. Means for handling straw and the like. No. 1,249,271; Dec. 4; v. 245; p. 243.
- Bishop, Alfred R. (See Carns and Bishop.)
- Bishop, Arthur W., St. Louis, Mo. Making cleaning compounds. No. 1,212,442; Jan. 16; v. 234; p. 777.
- Bishop-Babcock-Becker Company, The. (See Weatherhead and Schutt, assignors.)
- Bishop, Barry N., assignor to R. Denbigh, Newark, N. J. Vacuum-cleaner nozzle. No. 1,228,176; May 29; v. 238; p. 1542.
- Bishop, Fern S., and H. L. Cole, Santa Ana, Cal. Nut-separator. No. 1,233,965; July 17; v. 240; p. 867.
- Bishop, George E., Cleveland, Ohio. Automobile-curtain. No. 1,240,928; Sept. 25; v. 242; p. 796.
- Bishop, George E., Cleveland, Ohio. Automobile-door curtain. No. 1,244,692; Oct. 30; v. 243; p. 1147.
- Bishop, George T. (See Glaeser, Walter, assignor.)
- Bishop, Horace. (See Bishop, Joseph T., assignor.)
- Bishop, Hugh C., Sheldon, assignor of one-half to A. J. Coley, Vernon County, Mo. Headlight for automobiles. No. 1,245,140; Oct. 30; v. 243; p. 1283.
- Bishop, James T. (See Vales and Bishop.)
- Bishop, John C., Orville, Me. Shingle-press. No. 1,248,248; Nov. 27; v. 244; p. 1009.
- Bishop, Joseph T., assignor of one-half to H. Bishop, Toledo, Ohio. Torch and melting-pot. No. 1,237,460; Aug. 21; v. 241; p. 691.
- Bishop, Mary F., Philadelphia, Pa. Water-heating device. No. 1,232,484; July 10; v. 240; p. 349.
- Bishop, Mary F., Philadelphia, Pa. Moistener for envelopes, postage-stamps, &c. No. 1,235,644; Aug. 7; v. 241; p. 37.
- Bishop, Thomas G. J., Bundy Station, Wanganella, New South Wales, Australia. Gripping device for use in raising and lowering pipes and the like. No. 1,214,417; Jan. 30; v. 234; p. 1524.
- Bisinger, Bessie. (See Harvey, Hornbeck, and Bisinger.)
- Biss, Benni, and L. Kohn, New York, N. Y. Resilient wheel. No. 1,245,150; Nov. 6; v. 244; p. 3.
- Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electrical receptacle for conduit outlet-boxes. No. 1,216,406; Feb. 20; v. 235; p. 768.
- Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Means for attaching electrical appliances to conduit outlet-boxes. No. 1,223,467; Apr. 24; v. 237; p. 963.
- Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Insulator-switch. No. 1,232,647; July 10; v. 240; p. 400.
- Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Screw. No. 1,243,799; Oct. 23; v. 243; p. 841.
- Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electrical fixture. No. 1,243,800; Oct. 23; v. 243; p. 841.
- Bissell, Carl H., Syracuse, assignor to Crouse-Hinds Company, New York, N. Y. Incandescent electric-lamp socket. No. 1,250,129; Dec. 18; v. 245; p. 561.
- Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Conduit-outlet-box fitting. No. 1,250,130; Dec. 18; v. 245; p. 561.
- Bissell, Carl H., and F. W. Clary, Syracuse, N. Y. Loose-leaf binder. No. 1,227,740; May 29; v. 238; p. 1396.
- Bissell, Carl H., and E. G. Smith, assignors to Crouse-Hinds Company, Syracuse, N. Y. Electrical connection. No. 1,222,721; Apr. 17; v. 237; p. 677.
- Bissell, Carl H., and E. G. Smith, assignors to Crouse-Hinds Company, Syracuse, N. Y. Electrical appliance. No. 1,227,241; May 22; v. 238; p. 1201.
- Bissell, Carl H., and J. J. Dossert, assignors to Crouse-Hinds Company, Syracuse, N. Y. Electrical connection and box. No. 1,234,857; July 31; v. 240; p. 1219.
- Bissell, Carl H., Syracuse, N. Y., and D. C. Gidley, Boston, Mass., assignors to Crouse-Hinds Company, Syracuse, N. Y. Electrical appliance. No. 1,238,250; Aug. 28; v. 241; p. 978.
- Bissell Carpet Sweeper Company. (See Bouwmeester, Bernard J., assignor.)
- Bissell Carpet Sweeper Company. (See Mason, Francis C., assignor.)
- Bissell Carpet Sweeper Company. (See Shanahan, John W., assignor.)
- Bissell Carpet Sweeper Company. (See Shanahan, Robert E., assignor.)
- Bissell Carpet Sweeper Company. (See Shanahan and Mason, assignors.)
- Bissell, Lindon B., North Yakima, Wash. Vehicle-spring. No. 1,240,929; Sept. 25; v. 242; p. 797.
- Bissett, Ernest E., Vancouver, British Columbia, Canada. Cargo-bucket-operating device. No. 1,225,215; May 8; v. 238; p. 434.
- Bissey, Glenn O., Clay City, Ill. Educational device. No. 1,233,544; July 17; v. 240; p. 730.
- Bittle, Clarence E., assignor to O. P. Wyland, Harlan, Iowa. Animal-trap. No. 1,222,063; Apr. 10; v. 237; p. 401.
- Bittle, Harry L., West Alexandria, Ohio, assignor of one-third to J. F. Plander, one-third to O. V. Fritz, and one-third to H. L. Bittle. Collapsible mail-rack. No. 1,216,250; Feb. 13; v. 235; p. 660.
- Bittmann, Heinrich, Frankfort-on-the-Main, Germany, assignor to Dwight & Lloyd Sintering Company, Inc., New York, N. Y. Sintering fine oxid ore and metallurgical products. No. 1,221,962; Apr. 10; v. 237; p. 368.
- Bittner, David, Jr., St. Louis, Mo. Dirigible headlight. No. 1,217,140; Feb. 27; v. 235; p. 1063.
- Bittner, Emil R., Victoria, Tex. Intermittent-operating mechanism. No. 1,243,582; Oct. 16; v. 243; p. 737.

Alphabetical list of patentees—Continued.

- Bituminized Road Company. (See Popkess, Michael A., assignor.)
- Blucchi, Alfred A., London, England. Playing-cards. No. 1,235,545; July 17; v. 240; p. 731.
- Bixby, Walter, Dorchester, assignor to The Lamson Company, Boston, Mass. Pneumatic-despatch-tube apparatus. No. 1,236,663; Aug. 14; v. 241; p. 398.
- Bixler, Thurman J., Hutchinson, Kans. Tag-holder for shipping boxes or cases. No. 1,231,988; July 3; v. 240; p. 150.
- Bizzarri, Antonio, *et al.* (See D'Agostino, Nicola, assignor.)
- Bjerre, Swan P., Chicago, Ill. Life-belt. No. 1,212,315; Jan. 16; v. 234; p. 733.
- Bjork, David T. (See Martin and Bjork.)
- Bjorklund, Gustaf. (See Schwarz and Bjorklund.)
- Bjorkman, Alfred, Brooklyn, assignor of one-third to E. R. Sutton, Garden City, and one-third to J. G. Heermans, Brooklyn, N. Y. Sandwich-machine. No. 1,248,249; Nov. 27; v. 244; p. 1009.
- Björkstén, Karl, Petrograd, Russia. Type-writer. No. 1,215,102; Feb. 6; v. 235; p. 216.
- Björling, Ellis E., Salt Lake City, Utah. Camera-shutter-operating device. No. 1,211,664; Jan. 9; v. 234; p. 474.
- Bjorneby, Oliver C., and A. Midgarden, Hoople, N. D. Combined friction tension and brake for motor-cycles. No. 1,237,743; Aug. 21; v. 241; p. 783.
- Bjornstad, Alfred W., U. S. Army. Map. No. 1,213,064; Jan. 16; v. 234; p. 994.
- Bjornstad, Alfred W., U. S. Army. Instrument for use in topography. No. 1,219,430; Mar. 20; v. 236; p. 603.
- Black, Ashley V., assignor to Grain Products Company, St. Louis, Mo. Food product. No. 1,210,589; Jan. 2; v. 234; p. 73.
- Black, Clarence J., Argenta, Ark. Curb-wheel attachment for babies' sulkies. No. 1,226,848; May 22; v. 238; p. 1066.
- Black, David G. (See Cano, Victor M., assignor.)
- Black & Decker Manufacturing Company, The. (See Black and Decker, assignors.)
- Black, Floyd. (See Antoine and Black.)
- Black, Forrest A., Marion, Ind. Axle stretcher, stover, and bender. No. 1,236,533; Aug. 14; v. 241; p. 355.
- Black, Frank W., Downs, Kans. Tool. No. 1,220,937; Mar. 27; v. 236; p. 1163.
- Black, Frederic M. (See Blair and Black.)
- Black, Graham E., and J. W. Wheeler, Huntington, W. Va. Printing implement. No. 1,215,900; Feb. 13; v. 235; p. 534.
- Black, Harvey B., Bogota, N. J. Garter. No. 1,226,054; May 15; v. 238; p. 762.
- Black, Horatio A., Topeka, Kans. Electric heater. No. 1,247,210; Nov. 20; v. 244; p. 681.
- Black, James W. (See Hester, Loring B., assignor.)
- Black, John A., assignor of one-half to R. R. Menaugh, Chicago, Ill. Means for lining furnace-bottoms. No. 1,240,409; Sept. 18; v. 242; p. 601.
- Black, John D., Redlands, Cal. Fruit grading or sizing machine. No. 1,245,662; Nov. 6; v. 244; p. 158.
- Black, John D., Redlands, Cal. Orchard-heater. No. 1,245,663; Nov. 6; v. 244; p. 159.
- Black, John N. (See Black, William J. and J. N.)
- Black, John R., Toulon, Ill. Combined mulching and leveling attachment for plows. No. 1,225,399; May 8; v. 238; p. 493.
- Black, John R., Toulon, Ill. Leveling and mulching attachment for plows. No. 1,225,400; May 8; v. 238; p. 499.
- Black, John R., Toulon, Ill. Earthworking implement. No. 1,229,868; June 12; v. 239; p. 553.
- Black, Joseph A., Charleston, S. C. Traffic-signal. No. 1,250,083; Dec. 11; v. 245; p. 509.
- Black, Josiah. (See McSorley, George C., assignor.)
- Black, Lee J., Beaumont, Tex. Gearing for hoisting apparatus. No. 1,229,020; June 5; v. 239; p. 217.
- Black Products Co. (See Barbieri, Cesare, assignor.)
- Black, Robert, Scarsdale, N. Y., assignor to The Dressel Railway Lamp Works, Glage-holder for headlights. No. 1,240,299; Sept. 18; v. 242; p. 567.
- Black, Roe, Oskaloosa, Iowa. Hay-rake attachment. No. 1,239,763; Sept. 11; v. 242; p. 361.
- Black, Roger, Pleasant Hill, Ohio. Hay-rack. No. 1,225,004; May 8; v. 238; p. 364.
- Black, Samuel D., Baltimore, and A. G. Decker, Orangeville, Md. Drill-gearing. No. 1,229,401; June 12; v. 239; p. 395.
- Black, Samuel D., and A. G. Decker, assignors to The Black & Decker Manufacturing Company, Baltimore, Md. Electrically-driven tool. No. 1,245,860; Nov. 6; v. 244; p. 217.
- Black, Samuel D., Baltimore, and A. G. Decker, Orangeville, assignors to The Black & Decker Manufacturing Company, Baltimore, Md. Air-dispensing means. No. 1,247,623; Nov. 27; v. 244; p. 829.
- Black, Tracy H., Magnolia, Ark. Place-finder for maps. No. 1,245,311; Nov. 6; v. 244; p. 51.
- Black, Walter G., and A. L. Segelhorst, Brea, Cal. Deep-well pump. No. 1,219,799; Mar. 20; v. 236; p. 731.
- Black, William J., Chicago, Ill. Automatic transfer for dump-cars. No. 1,249,305; Dec. 11; v. 245; p. 285.
- Black, William J. and J. N. Washington, Pa. Paint composition. No. 1,225,105; May 8; v. 238; p. 398.
- Black, William L., Fort McKavett, Tex. Pecan-cracker. No. 1,227,570; May 29; v. 238; p. 1338.
- Blackard, Nancy F., Kansas City, Mo. Crutch. No. 1,241,815; Oct. 2; v. 243; p. 111.
- Blackburn, Ernest, Shaler township, Allegheny county, Pa. Pot-drawing apparatus. No. 1,235,280; July 31; v. 240; p. 1349.
- Blackburn, Felix, Feeding Hills, Mass. Elevating-truck. No. 1,243,035; Oct. 16; v. 243; p. 574.
- Blackburn, Guy W., Elgin, Ill. Speedometer. No. 1,213,065; Jan. 16; v. 234; p. 994.
- Blackburn, Guy W., Elgin, Ill. Speed-indicator. No. 1,246,043; Nov. 13; v. 244; p. 299.
- Blackburn, Jasper, Webster Groves, Mo. Cable-hanger. No. 1,240,169; Sept. 18; v. 242; p. 524.
- Blackburn, John S., Florence, S. C. Vaporizing-valve for internal-combustion engines. No. 1,237,744; Aug. 21; v. 241; p. 783.
- Blackburn, Lloyd C., Akron, Ohio. Indicator for mail-boxes. No. 1,239,342; Sept. 4; v. 242; p. 199.
- Blackburn, Mary, Belmont, assignor of one-half to A. S. Carmichael, Truro, Nova Scotia, Canada. Lady's folding work-table. No. 1,234,270; July 24; v. 240; p. 1000.
- Blackburn, Samuel D., Lansdale, Pa. Stove. No. 1,219,229; Mar. 13; v. 236; p. 503.
- Blackburn, William A., Detroit, Mich. Articulated connection. No. 1,220,595; Mar. 27; v. 236; p. 1049.
- Blackinton & Co., R. (See Ballou, Walter B., assignor.) (Reissue.)
- Blackinton, Frank H., Chester Depot, Vt. Tool-post. No. 1,246,226; Nov. 13; v. 244; p. 353.
- Blackley, Bryce E., Providence, R. I. Vehicle-spring. No. 1,211,816; Jan. 9; v. 234; p. 528.
- Blackley, Enoch P., Hamlet, N. C. Valve for air-brake systems. No. 1,218,362; Mar. 6; v. 236; p. 166.
- Blackley, James B. (See Levinstein and Blackley.)
- Blacklock, Leslie H. (See Kern, Roy S., assignor.)
- Blacklock Milling Company. (See Blacklock, Thomas G., assignor.)
- Blacklock, Thomas G., Brooklyn, N. Y., assignor to Blacklock Milling Company, Incorporated. Baker's mixture. No. 1,210,588; Jan. 2; v. 234; p. 73.
- Blacklock, Thomas G., Brooklyn, assignor to P. B. Olney, Jr., trustee, New York, N. Y. Making dough. No. 1,232,758; July 10; v. 240; p. 439.
- Blacklock, Thomas G., Brooklyn, assignor to P. B. Olney, Jr., trustee, New York, N. Y. Preventing ravages of weevils. No. 1,232,759; July 10; v. 240; p. 440.
- Blacklock, Thomas G., Brooklyn, assignor to P. B. Olney, Jr., trustee, New York, N. Y. Baking compound. No. 1,234,858; July 31; v. 240; p. 1219.
- Blackman, Joseph N., New York, N. Y. Record-cleaner for sound-reproducing machines. No. 1,248,063; Nov. 27; v. 244; p. 956.
- Blackman, Joseph N., New York, N. Y. Record-cleaner for sound-reproducing machines. No. 1,248,064; Nov. 27; v. 244; p. 956.
- Blackmer, Walter S., Salisbury, N. C. Register mechanism for meters. No. 1,224,834; May 1; v. 238; p. 255.
- Blackmore, Alfred, Kensington, London, England. Electric route indicating and lighting system. No. 1,219,230; Mar. 13; v. 236; p. 504.
- Blackmore, William, assignor to The National Malleable Castings Company, Cleveland, Ohio. Coupling-yoke. No. 1,239,764; Sept. 11; v. 242; p. 361.
- Blackshaw, Wilfred W. (See Kennedy and Blackshaw.)
- Blacksher, Erasmus M., Brewton, Ala. Armored automobile. No. 1,229,869; June 12; v. 239; p. 553.
- Blackstone, John W., Shullsburg, Wis. Operating mechanism for valves. No. 1,224,835; May 1; v. 238; p. 255.
- Blackstone Manufacturing Company, The. (See More, Glenn, assignor.)
- Blackwelder, Charlie A., Gunter, Tex. Nut-lock. No. 1,211,391; Jan. 9; v. 234; p. 382.
- Blackwell, John B., San Antonio, Tex. Gasolene-torch. No. 1,240,117; Sept. 11; v. 242; p. 470.
- Blackwell, William L., Dayton, Ohio. Vehicle-heater. No. 1,249,306; Dec. 11; v. 245; p. 285.
- Bladen, Walter C., Jersey City, N. J. Making so-called alkalized cocoa. No. 1,243,244; Oct. 16; v. 243; p. 636.
- Blades, Charles A. (See Kislavitz, Samuel, assignor.)
- Blades, Charles A. (See List, Franz, assignor.)
- Blades, Leonard J., assignor to National Ticket Case Company, Chicago, Ill. Compartment or ticket drawer. No. 1,229,402; June 12; v. 239; p. 396.
- Bladholm, Axel L. (See Bladholm, John F. and A. L.)
- Bladholm, John F. and A. L., Marshall, Minn. Harness-hanger. No. 1,239,666; Sept. 11; v. 242; p. 330.
- Blagden, John W., Heidelberg, assignor to C. F. Boehringer & Soehne, Mannheim-Waldhof, Germany. Hydrogenating organic substances. No. 1,239,867; Sept. 11; v. 242; p. 396.
- Blaha, Charles B., assignor to F. W. Melde, Norfolk, Va. Roofing-tile machine. No. 1,250,084; Dec. 11; v. 245; p. 509.
- Blaha, Josef, Cleveland, Ohio. Hanger for portable plat-forms. No. 1,250,930; Dec. 18; v. 245; p. 801.
- Blaha, Ludwig. (See Neu and Blaha.)
- Blach, Alfred O., assignor to Alfred O. Blach Company, Chicago, Ill. Case-hardening material and making same. No. 1,241,909; Oct. 2; v. 243; p. 141.
- Blach, Alfred O., assignor to Alfred O. Blach Company, Chicago, Ill. Making case-hardening material. No. 1,248,604; Dec. 4; v. 245; p. 53.

- Blaisdell Paper Pencil Company. (See Smith, Charles A., assignor.)
- Blain, Arthur. (See Bullock and Blain.)
- Blain, Joseph E., Toledo, Ohio. Access-opening. No. 1,249,005; Dec. 4; v. 245; p. 168.
- Blaine, John A., Norfolk, Va. Tollet article. No. 1,212,443; Jan. 16; v. 234; p. 777.
- Blainer, John, Farrell, Pa. Tool-setting gage. No. 1,224,836; May 1; v. 238; p. 256.
- Blair, David E., Montreal, Quebec, Canada, assignor to Edwards & Company. Electric push-button. No. 1,243,482; Oct. 16; v. 243; p. 707.
- Blair Engineering Company. (See Blair, Thomas S., Jr., assignor.)
- Blair, Frank M., and F. M. Black, Newark, Ohio. Device for arresting light-rays. No. 1,230,844; June 26; v. 239; p. 951.
- Blair, Frank R., Glen Ridge, N. J., assignor to F. R. Blair & Co., Inc., New York, N. Y. Flexible coupling. No. 1,233,173; July 10; v. 240; p. 573.
- Blair, J. W. (See Head, Joseph A., assignor.)
- Blair, John, Jr., Rock Springs, Wyo. Tire-tread. No. 1,250,781; Dec. 18; v. 245; p. 756.
- Blair, Joseph H., assignor of one-half to L. H. Taylor, Jr., Philadelphia, Pa. Centrifugal separator. No. 1,246,035; Nov. 13; v. 244; p. 297.
- Blair, Maurice G. (See Moorhead and Blair.)
- Blair, Robert M., Quebec, Quebec, Canada. Sight for firearms. No. 1,240,300; Sept. 18; v. 242; p. 567.
- Blair, Robert S., New Rochelle, N. Y. Measuring apparatus. No. 1,244,693; Oct. 30; v. 243; p. 1147.
- Blair, Thomas H., Northboro, Mass. Shutter for kinetoscopes. No. 1,213,147; Jan. 23; v. 234; p. 1056.
- Blair, Thomas H., Northboro, Mass. Moving-picture machine. No. 1,247,786; Nov. 27; v. 244; p. 880.
- Blair, Thomas S., Jr., Chicago, Ill., assignor to Blair Engineering Company, New York, N. Y. Open-hearth furnace. No. 1,236,140; Aug. 7; v. 241; p. 196.
- Blair, Thomas S., Jr., Chicago, Ill., assignor to Blair Engineering Company, New York, N. Y. Open-hearth furnace. No. 1,245,555; Nov. 6; v. 244; p. 125.
- Blair, Walter D., and H. C. Raasch, Red Lake Falls, Minn. Wheat-shocking attachment for harvesters. No. 1,221,820; Apr. 10; v. 237; p. 317.
- Blair, William. (See Fugh and Blair.)
- Blair, William D., and W. J. Wright, Medicine Hat, Alberta, Canada. Camera. No. 1,246,531; Nov. 13; v. 244; p. 446.
- Blais, William E., Boston, Mass. Combination-lock. No. 1,222,920; Apr. 17; v. 237; p. 743.
- Blaisdell Paper Pencil Company. (See Smith, Charles A., assignor.)
- Blaisdell, Robert W., Milwaukee, Wis. Multitool shoe-working machine. No. 1,236,397; Aug. 14; v. 241; p. 309.
- Blake, Charles C., Brookline, assignor to C. C. Blake, Incorporated, Boston, Mass. Machine for cutting irregular threads. No. 1,241,910; Oct. 2; v. 243; p. 142.
- Blake, Charles C., Brookline, assignor to C. C. Blake, Incorporated, Boston, Mass. Mechanical movement. No. 1,241,911; Oct. 2; v. 243; p. 142.
- Blake, George W., Wyandotte, Mich. Can-filling machine. No. 1,210,403; Jan. 2; v. 234; p. 8.
- Blake, Harold D. (See Dorsey and Blake.)
- Blake, Philip W., assignor to National Binding Machine Company, Boston, Mass. Strip-serving device. No. 1,229,403; June 12; v. 239; p. 396.
- Blake, Ralph V., Yonkers, N. Y. Method and apparatus for cooking eggs. No. 1,213,148; Jan. 23; v. 234; p. 1057.
- Blake, Ralph V., New York, N. Y. Egg-cooking apparatus and timer. No. 1,230,845; June 26; v. 239; p. 951.
- Blake, Ralph V., New York, N. Y. Pocket attachment for holders, &c. No. 1,234,859; July 31; v. 240; p. 1220.
- Blake, Theodore C., Beckwith, W. Va. Rail-joint chair. No. 1,249,006; Dec. 4; v. 245; p. 168.
- Blake, William F., assignor to J. B. Foglesong, Battle Creek, Mich. Folding ironing-board. No. 1,223,663; Apr. 24; v. 237; p. 1034.
- Blakely, Edward B., assignor, by mesne assignments, to R. M. Hvid Company, Chicago, Ill. Internal-combustion engine. No. 1,245,312; Nov. 6; v. 244; p. 51.
- Blakely, Sidney B., Chicago, Ill. Electric controlling and feeding apparatus. No. 1,226,451; May 15; v. 238; p. 896.
- Blakemore, Alfred, Kimsquit, British Columbia, Canada. Ticket-case. No. 1,241,188; Sept. 25; v. 242; p. 875.
- Blakeney, George H., Binghamton, Tenn. Tying device. No. 1,246,703; Nov. 13; v. 244; p. 497.
- Blakeslee, Archie, Tionesta, Pa. Animal-trap. No. 1,218,514; Mar. 6; v. 236; p. 216.
- Blakeslee, Clarence E., Cranford, and W. A. Ahlgran, Scotch Plains, N. J. Window-cleaning scraper. No. 1,242,913; Oct. 16; v. 243; p. 534.
- Blakeslee, George S., Chicago, Ill. Floor-scrubbing machine. No. 1,250,131; Dec. 18; v. 245; p. 562.
- Blakeslee, Ward L., Ellet, Idaho. Machine for saving seeds. No. 1,229,870; June 12; v. 239; p. 553.
- Blalock, Alonzo L., Madison, Fla. Differential. No. 1,248,442; Dec. 4; v. 245; p. 5.
- Blanarik, Michael, South Norwalk, Conn. Chair-actuated blower. No. 1,215,103; Feb. 6; v. 235; p. 217.
- Blanc, Charles, assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Preparation of chlor-substitution products of the saturated paraffin hydrocarbons. No. 1,248,065; Nov. 27; v. 244; p. 956.
- Blanc, Ferdinand, Charlottenburg, assignor to Siemens-Schuckertwerke, G. m. b. H., Berlin, Germany. Induction-motor. No. 1,224,895; May 8; v. 238; p. 326.
- Blanch, Malcolm. (See Smith and Blanch.)
- Blanchard, Charles M., Willoughby, Ohio. Water-cooling device for engine-pistons. No. 1,225,401; May 8; v. 238; p. 499.
- Blanchard, Edwin C. (See Bodine, Henry M., assignor.)
- Blanchard, Frank W., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for use in finishing shoes. No. 1,214,266; Jan. 30; v. 234; p. 1472.
- Blanchard, Fred M., Boston, Mass. Bill-fold. No. 1,230,100; June 19; v. 239; p. 664.
- Blanchard, Frederick C., E. B. Crocker, Bridgeport, and P. S. Keefer, Milford, assignors to The Ashcroft Manufacturing Company, Bridgeport, Conn. Pressure-reducing valve. No. 1,210,891; Jan. 2; v. 234; p. 176.
- Blanchard, Harry A., Savannah, Ga. Device for gluing belts. No. 1,224,837; May 1; v. 238; p. 256.
- Blanchard, Leslie W., London, England. Cycle-frame. No. 1,220,938; Mar. 27; v. 236; p. 1163.
- Blanchard, Leslie W., London, England. Spring-mounting for cycle-wheels. No. 1,230,987; June 26; v. 239; p. 999.
- Blanchet, William F., Tampa, Fla. Air-compressor. No. 1,221,131; Apr. 3; v. 237; p. 45.
- Blanchette, Joseph A., St. Anne des Chimes, Manitoba, Canada. Oil-can. No. 1,230,061; June 12; v. 239; p. 612.
- Bland, George W. (See Little, James R., assignor.)
- Bland, Perry. (See Creech and Bland.)
- Bland, William B., Jenks, Okla. Mowing apparatus. No. 1,228,642; June 5; v. 239; p. 91.
- Bland, William B., Jenks, Okla. Planter. No. 1,231,558; July 3; v. 240; p. 5.
- Blandford, George G., Herring Neck, Newfoundland. Marking-gage. No. 1,234,719; July 31; v. 240; p. 1178.
- Blandford, Sydney D., St. John's, Newfoundland. Tobacco-pipe. No. 1,210,404; Jan. 2; v. 234; p. 8.
- Blanditi, Decenzio, assignor to Firm of A. Saurer, Arbon, Switzerland. Driving-clutch for magnetos. No. 1,225,754; May 15; v. 238; p. 660.
- Blank, Julius A., Fremont, Wis. Fence attachment. No. 1,211,059; Jan. 2; v. 234; p. 236.
- Blank, Richard O., Readfield, Wis. Cuspider-carrier. No. 1,239,868; Sept. 11; v. 242; p. 396.
- Blankavag, Frank, Princeton, Wis. Lock. No. 1,221,132; Apr. 3; v. 237; p. 45.
- Blankenhorn, Hugo. (See Schmidt and Blankenhorn.)
- Blankenship, Houston W. (See Murphy and Blankenship.)
- Blankmann, George H., St. Louis, Mo. Grinding-mill. No. 1,231,478; June 26; v. 239; p. 1162.
- Blanton, John C., and D. J. Sexton, Freeman, W. Va. Mail-bag-delivering apparatus. No. 1,216,056; Feb. 13; v. 235; p. 592.
- Blanton, John C., and D. J. Sexton, Freeman, W. Va. Mail-bag-delivering apparatus. No. 1,244,284; Oct. 23; v. 243; p. 987.
- Blaser, Alexander. (See Jacobsen and Blaser.)
- Blashfield, James M., assignor of one-half to C. L. Hayes, Jackson, Mich. Locomotive safety-hand and foot rail. No. 1,220,720; Mar. 27; v. 236; p. 1090.
- Blasius, Michael, Hoboken, N. J. Vehicle-signal. No. 1,232,190; July 3; v. 240; p. 220.
- Blaske, William C., assignor to Wolf Fuel Saver Company, Chicago, Ill. Fuel-saving device. No. 1,217,267; Feb. 27; v. 235; p. 1106.
- Blass, Eugen, Cologne-Mülheim, Germany. Earthenware vessel. No. 1,238,092; Aug. 28; v. 241; p. 925.
- Blast Furnace Appliances Company. (See Collord, George L., assignor.)
- Blaszczyk, Jacob, Chippewa Falls, Wis. Sled-brake. No. 1,244,460; Oct. 30; v. 243; p. 1077.
- Blathy, Otto T., Budapest, Hungary. Calibrating electric meters. No. 1,221,821; Apr. 10; v. 237; p. 317.
- Blatt, Maurice L., Chicago, Ill. Litter. No. 1,231,989; July 3; v. 240; p. 151.
- Blatt, William M., Boston, Mass. Stenographer's notebook stand and book-mark. No. 1,242,914; Oct. 16; v. 243; p. 534.
- Blattner, Fred, Jr., Brooklyn, N. Y. Operating mechanism for tubing-machines. No. 1,219,231; Mar. 13; v. 236; p. 504.
- Blatz, Ray W., and H. B. Hallock, Wilkes-Barre, Pa. Valve. No. 1,235,645; Aug. 7; v. 241; p. 38.
- Blaugas Company of America. (See Becher, Eugen, assignor.)
- Blauer, Arthur G. (See Stoker, Albert E., assignor.)
- Blauvelt, Albert, Chicago, Ill. Sprinkler-head. No. 1,236,901; Aug. 14; v. 241; p. 474.
- Blauvelt, Albert, Chicago, Ill. Heat-sensitive link for automatic fire apparatus. No. 1,243,690; Oct. 23; v. 243; p. 802.
- Blaw-Knox Company. (See Knox, Luther L., assignor.)
- Blaw Steel Construction Company. (See Loxterman, Howard B., assignor.)
- Blaw Steel Construction Company. (See McArthur, Charles D., assignor.)

Alphabetical list of patentees—Continued.

- Blayney, James D., Toronto, Ontario, Canada. Internal-combustion motor. No. 1,243,691; Oct. 23; v. 243; p. 803.
- Bleach Process Company. (See Wheeler, Frank G., assignor.)
- Blecher, Carl, Berlin-Dahlem, Germany. Process for intaglio-printing. No. 1,250,421; Dec. 18; v. 245; p. 649.
- Bledsoe, Carl F., assignor to Ogle Construction Company, Chicago, Ill. Hoist mechanism. No. 1,231,234; June 26; v. 239; p. 1082.
- Bledsoe, Yancey M., Bonham, Tex. Wrench. No. 1,227,372; May 22; v. 238; p. 1242.
- Bleecker, Walter A. (See Bellis and Bleecker.)
- Bleecker, Warren F., Washington, Pa. Cartridge-fuse. No. 1,221,275; Apr. 3; v. 237; p. 98.
- Blonman, William R. (See Sells, George P., assignor.)
- Blessing, Benjamin F., Waynesboro, Pa. Window-shade strip. No. 1,233,966; July 17; v. 240; p. 867.
- Blessing, Edgar F., Reading, Pa. Pipe-ball. No. 1,236,044; Aug. 7; v. 241; p. 169.
- Blessing, John G., Chicago, assignor to A. E. Keith, Hinsdale, Ill. Electric clock. No. 1,217,557; Feb. 27; v. 235; p. 1210.
- Blessing, John G., Chicago, assignor to A. E. Keith, Hinsdale, Ill. Electric clock. No. 1,250,782; Dec. 18; v. 245; p. 757.
- Blessing, John G., assignor to Automatic Electric Company, Chicago, Ill. Automatic selecting-switch. No. 1,218,048; Mar. 6; v. 236; p. 56.
- Blessing, John G., assignor to Automatic Electric Company, Chicago, Ill. Phonographic time-announcer. No. 1,227,523; May 22; v. 238; p. 1293.
- Blettner, George H., Chicago, Ill. Piston-ring-milling machine. No. 1,223,929; Apr. 24; v. 237; p. 1126.
- Blettner, George H., Chicago, Ill. Making piston-rings. No. 1,223,930; Apr. 24; v. 237; p. 1127.
- Blevins, Allen L. (See Blevins, Kilgore, and Blevins.)
- Blevins, Alonzo, *et al.* (See Blevins, Kilgore, and Blevins, assignors.)
- Blevins, Alonzo, C. F. Kilgore, and A. L. Blevins, Coeburn, assignors of one-fourth to said Alonzo Blevins, one-fourth to said Kilgore, one-fourth to M. L. Johnson, and one-fourth to J. J. Body, Dante, Va. Mine-door. No. 1,228,643; June 5; v. 239; p. 91.
- Blevins, Timothy P. (See Bellah, Samuel E., assignor.)
- Bley, Henry A., Eden, N. Y. Plant-setter. No. 1,222,921; Apr. 17; v. 237; p. 744.
- Bley, William C., Cincinnati, Ohio. Means for packing stuffing-boxes. No. 1,243,917; Oct. 23; v. 243; p. 877.
- Blickenstaff, Jesse L., and J. H. Werking, North Manchester, Ind. Automatic masking device. No. 1,235,100; July 31; v. 240; p. 1295.
- Blinck, Jean R. V., assignor of one-half to W. G. Brorein, Tampa, Fla. Insect-trap. No. 1,229,021; June 5; v. 239; p. 217.
- Bliss, Charles W. (See Dietrich and Bliss.)
- Bliss, Donald M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Alternating-current motor. No. 1,214,883; Feb. 6; v. 235; p. 139.
- Bliss, Donald M., assignor to T. A. Edison, Incorporated, West Orange, N. J. Rectifier. No. 1,234,439; July 24; v. 240; p. 1057.
- Bliss, Donald M., assignor to T. A. Edison, Incorporated, West Orange, N. J. Alternating-current rectifier. No. 1,234,440; July 24; v. 240; p. 1057.
- Bliss, Roy B., Otsego, Mich., assignor to B. F. Bain, Pittsburgh, Pa. Mechanical toy. No. 1,217,885; Feb. 27; v. 235; p. 1321.
- Bliss, Willard M., Brooklyn, N. Y. Invisible roller-screen. No. 1,242,878; Oct. 9; v. 243; p. 489.
- Bliss, Willard M., Brooklyn, N. Y. Vessel-protector. No. 1,245,556; Nov. 6; v. 244; p. 126.
- Bliss, William L., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Lubricating device. No. 1,221,018; Apr. 3; v. 237; p. 5.
- Bliss, William L., assignor, by mesne assignments, to The U. S. Light and Heat Corporation, Niagara Falls, N. Y. Car-lighting system. No. 1,231,991; July 3; v. 240; p. 152.
- Bliss, William L., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Foot-cap. No. 1,238,738; Sept. 4; v. 242; p. 6.
- Bliss, William L., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Cover for storage batteries. No. 1,245,428; Nov. 6; v. 244; p. 85.
- Bliss, William L., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Generator suspension. No. 1,245,664; Nov. 6; v. 244; p. 159.
- Bliss, William L., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Taper-charger current-regulator. No. 1,246,853; Nov. 20; v. 244; p. 577.
- Bliss, William L., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Stop-charge current-regulator. No. 1,246,854; Nov. 20; v. 244; p. 578.
- Bliss, William L., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Battery-charging system. No. 1,246,855; Nov. 20; v. 244; p. 578.
- Bliss, William L., Milwaukee, Wis., assignor, by mesne assignments, to The U. S. Light and Heat Corporation, Niagara Falls, N. Y. Oil-wick carrier. No. 1,231,990; July 3; v. 240; p. 151.
- Bliss, William L., Milwaukee, Wis., assignor, by mesne assignments, to The U. S. Light & Heat Corporation, Niagara Falls, N. Y. Oil ring and chain. No. 1,245,427; Nov. 6; v. 244; p. 85.
- Bliss, William L., Brooklyn, assignor, by mesne assignments, to The U. S. Light & Heat Corporation, Niagara Falls, N. Y. Relay. No. 1,232,456; July 3; v. 240; p. 303.
- Blissman, Amos, and R. E. Struse, New York, N. Y.; said Blissman assignor to said Struse. Portable drain-board. No. 1,224,838; May 1; v. 238; p. 256.
- Bliven, Frank S., Baltimore, Md. Weather-shield for motor-cars. No. 1,212,891; Jan. 16; v. 234; p. 934.
- Bloch, Gotthold, Brooklyn, assignor to National Enameling & Stamping Company, New York, N. Y. Reinforced nozzle for sheet-metal containers. No. 1,226,605; May 15; v. 238; p. 944.
- Bloch, Marie, New York, N. Y. Hygienic toilet-seat cover. No. 1,221,061; Apr. 3; v. 237; p. 228.
- Bloch-Pimentel, Emile L., Paris, France. Cellulose compound and making the same. No. 1,234,720; July 31; v. 240; p. 1178.
- Block, Abraham, San Francisco, Cal. Paper-feeding mechanism. No. 1,230,456; June 19; v. 239; p. 782.
- Block, Alexander, New York, N. Y. Folding umbrella. No. 1,249,007; Dec. 4; v. 245; p. 168.
- Block, Alexander E., St. Louis, Mo. Arch-support. (Re-issue.) No. 14,264; Feb. 27; v. 235; p. 1324.
- Block, Alexander E., St. Louis, Mo. Bunion-protector. No. 1,237,285; Aug. 21; v. 241; p. 634.
- Block, Alexander E., St. Louis, Mo. Foot-support. No. 1,243,692; Oct. 23; v. 243; p. 803.
- Block, Alexander E., St. Louis, Mo. Machine for creasing and stretching shoes. No. 1,244,829; Oct. 30; v. 243; p. 1190.
- Block, Benjamin B., Los Angeles, Cal. Atomizing water-supply means for internal-combustion engines. No. 1,211,665; Jan. 9; v. 234; p. 474.
- Block, Charles H., assignor to Delmar Manufacturing Company, St. Louis, Mo. Hat. No. 1,215,468; Feb. 13; v. 235; p. 377.
- Block Gas Mantle Company, The. (See Risinger, Frank V., assignor.)
- Block, Louis, Mamaroneck, N. Y. Gas-compressor. No. 1,239,869; Sept. 11; v. 242; p. 396.
- Block, Louis, Brooklyn, assignor to M. Frankl, New York, N. Y. Disinfecting and advertising device for telephones and the like. No. 1,228,394; June 5; v. 239; p. 7.
- Block, Mandel, Chicago, Ill. Valve. No. 1,214,267; Jan. 30; v. 234; p. 1473.
- Block, Mandel, Chicago, Ill. Drum-trap cover. No. 1,239,453; Sept. 11; v. 242; p. 263.
- Block, Mandel, Chicago, Ill. Spring. No. 1,240,170; Sept. 18; v. 242; p. 524.
- Block, Mandel, Chicago, Ill. Thread-cutting die. No. 1,242,130; Oct. 9; v. 243; p. 251.
- Block, Mandel, Chicago, Ill. Drum-trap guard. No. 1,243,245; Oct. 16; v. 243; p. 637.
- Block, William C., Buffalo, Minn. Calf's muzzle. No. 1,234,612; July 24; v. 240; p. 1111.
- Blocksom, Berget H., assignor to Wilson & Co., Chicago, Ill. Filling for cushions and the like. No. 1,248,066; Nov. 27; v. 244; p. 957.
- Blodgett, John W., Chicago, Ill. Air-bag for mending pneumatic tires. No. 1,214,268; Jan. 30; v. 234; p. 1473.
- Blodgett, John W., Chicago, Ill. Reinforced air-tube for pneumatic tires. No. 1,236,534; Aug. 14; v. 241; p. 355.
- Blohm, George, El Centro, Cal. Cotton-harvester. No. 1,242,761; Oct. 9; v. 243; p. 452.
- Blomfield, Alfred L., Denver, Colo. Settling apparatus. No. 1,227,107; May 22; v. 238; p. 1156.
- Blomfield, Alfred L., Colorado Springs, Colo., assignor, by mesne assignments, to The Dorr Company. Apparatus for separating liquids from solids in fluid suspensions. No. 1,237,745; Aug. 21; v. 241; p. 784.
- Blomquist, Johan V., Stockholm, Sweden. Feed apparatus for rotating boilers. No. 1,242,131; Oct. 9; v. 243; p. 251.
- Blomstrom, Carl H., Detroit, Mich. Driving mechanism for motor-vehicles. No. 1,211,531; Jan. 9; v. 234; p. 429.
- Blomstrom, Carl H. and L. C., Detroit, Mich. Power-transmission mechanism. No. 1,225,307; May 8; v. 238; p. 469.
- Blomstrom, Lowell C. (See Blomstrom, Carl H. and L. C.)
- Blondel, André, Paris, France. Method and apparatus for determining the direction of a Hertzian lighthouse. No. 1,218,237; Mar. 6; v. 236; p. 123.
- Blondel, André, Paris, France, assignor to General Electric Company. Arc-lamp. No. 1,220,063; Mar. 20; v. 236; p. 824.
- Blondin, Joseph A., Los Angeles, Cal. Aeroplane construction. No. 1,240,812; Sept. 25; v. 242; p. 758.

- Blood, Burr B., assignor to C. MacHarg, Chicago, Ill. Phonograph-needle cutter. No. 1,211,532; Jan. 9; v. 234; p. 430.
- Blood, Mary L. (See Blood, Maurice E., assignor.)
- Blood, Maurice E., assignor to M. L. Blood, Kalamazoo, Mich. Universal joint. No. 1,216,769; Feb. 20; v. 235; p. 893.
- Blood, William A., Cleveland, Ohio. Filing-box. No. 1,244,694; Oct. 30; v. 243; p. 1148.
- Bloom, Arvid T., assignor to Morgan Construction Company, Worcester, Mass. Apparatus for cooling metal rods. No. 1,211,277; Jan. 2; v. 234; p. 311.
- Bloom, David, Berkeley, Cal. Receptacle for an article of food. No. 1,232,485; July 10; v. 240; p. 349.
- Bloom, David, Berkeley, Cal. Receptacle-closure. No. 1,247,924; Nov. 27; v. 244; p. 919.
- Bloom, Edgar J., Tiffin, Ohio. Extension for pedals. No. 1,213,824; Jan. 30; v. 234; p. 1321.
- Bloom, Edgar J., Tiffin, Ohio. Extensible pedal. No. 1,213,825; Jan. 30; v. 234; p. 1321.
- Bloom, Edgar J., Tiffin, Ohio. Extensible pedal. No. 1,213,826; Jan. 30; v. 234; p. 1322.
- Bloom, Edward, Paterson, N. J. Control device for warping-machines. No. 1,212,604; Jan. 16; v. 234; p. 834.
- Bloom, Elza, and F. Barth, Upper Sandusky, Ohio. Feed-trough. No. 1,227,524; May 22; v. 238; p. 1293.
- Bloom, Emil J., Kemmerer, Wyo. Roll-paper holder. No. 1,220,064; Mar. 20; v. 236; p. 824.
- Bloom, Morris, et al. (See Snyder, Charles P., assignor.)
- Bloom, Samuel C., Elizabeth, N. J. Refrigeration. No. 1,236,535; Aug. 14; v. 241; p. 356.
- Bloomberg, Verner. (See Isaacson and Bloomberg.)
- Bloomberg, William, Passaic Park, N. J. Drinking-glass holder. No. 1,236,254; Aug. 7; v. 241; p. 233.
- Bloomenthal, Harris D., Superior, Wis. Garment. No. 1,246,044; Nov. 13; v. 244; p. 300.
- Bloomer, Harvey E., Milwaukee, assignor, by mesne assignments, to The Sun-Ray Mfg. Co., Oskosh, Wis. Electric heating-pad. No. 1,215,610; Feb. 13; v. 235; p. 432.
- Bloomer, Henry, Hull, Wis. Loading apparatus. No. 1,246,856; Nov. 20; v. 244; p. 579.
- Bloomer, Reubin H., Council Bluffs, Iowa. Rubbing-post. No. 1,225,920; May 15; v. 238; p. 716.
- Bloomer, Reubin H., Council Bluffs, Iowa. Hog-oller. No. 1,238,093; Aug. 28; v. 241; p. 926.
- Bloomfield, Benjamin K., assignor of one-half to G. P. Callan, Brady, Tex. Combined desk and seat. No. 1,212,734; Jan. 16; v. 234; p. 883.
- Bloomfield, Emma D., Houston, Tex. Sleeping-hood. No. 1,235,419; July 31; v. 240; p. 1391.
- Blossom, Henry M. (See Burhen, Reinhart J., assignor.)
- Blough, Earl, and T. McIntosh, assignors to Aluminum Company of America, Pittsburgh, Pa. Production of alumina and potassium sulfate from alunite. No. 1,214,991; Feb. 6; v. 235; p. 181.
- Blough, Raymond J., Ionia, Mich. Belt-tightener. No. 1,220,065; Mar. 20; v. 236; p. 825.
- Blount, Irving, Brooklyn, N. Y. Tank. No. 1,230,988; June 26; v. 239; p. 999.
- Bloxton, Benjamin, Richmond, Va. Switch-throwing device. No. 1,238,094; Aug. 28; v. 241; p. 926.
- Blücher, Hans. (See Krause and Blücher.)
- Bludworth, William D., Sacramento, Cal. Rodent-trap. No. 1,246,857; Nov. 20; v. 244; p. 579.
- Blue, Lee A., Lyra, Tex. Post-hole drill. No. 1,216,932; Feb. 20; v. 235; p. 947.
- Bluege, Adam, Chicago, Ill. Hooping or strapping attachment for box-nailing machines. No. 1,230,989; June 26; v. 239; p. 999.
- Bluege, Adam, Chicago, Ill. Machine for making box-partitions, crates, or racks. No. 1,235,646; Aug. 7; v. 241; p. 38.
- Blumel, Gustave, Toledo, Ohio, assignor of one-half to W. M. Simpson, Chicago, Ill. Power-transmitting mechanism. No. 1,233,967; July 17; v. 240; p. 867.
- Bluhm, Joseph, assignor to The Dana Manufacturing Corporation, Troy, N. Y. Ice-cream spoon. No. 1,246,032; Nov. 6; v. 244; p. 265.
- Blum, Abraham, San Francisco, Cal. Copy-holder for type-writers. No. 1,251,329; Dec. 25; v. 245; p. 968.
- Blum, Eugene, and G. Müller, New York, N. Y. Coin-controlled cabinet. No. 1,211,060; Jan. 2; v. 234; p. 236.
- Blum, Frank J. (See Linton and Blum.)
- Blum, George J., assignor to Armstrong-Blum Manufacturing Company, Chicago, Ill. Feeding mechanism. No. 1,214,884; Feb. 6; v. 235; p. 139.
- Blum, George J., assignor to Armstrong-Blum Manufacturing Company, Chicago, Ill. Band-saw. No. 1,233,836; July 17; v. 240; p. 824.
- Blum, Joseph O., Madison, Wis. Sack-spreader and gage. No. 1,211,278; Jan. 2; v. 234; p. 311.
- Blum, Martin, Columbus, Ohio. Clothes-boiler. No. 1,235,101; July 31; v. 240; p. 1296.
- Blumberg, Gustav, and J. A. Butkus, Baltimore, Md. Electric motor. No. 1,227,571; May 29; v. 238; p. 1338.
- Blumberg, Gustav, and J. A. Butkus, Baltimore, Md. Electric clock. No. 1,242,132; Oct. 9; v. 243; p. 251.
- Blumberg, Gustav, and J. A. Butkus, Baltimore, Md. Electric clock. No. 1,244,164; Oct. 23; v. 243; p. 950.
- Blumberg, Jacob J., New York, N. Y. Waterproof bag for bathers. No. 1,219,232; Mar. 13; v. 236; p. 504.
- Blumberg, Oscar R., and B. D. Horton, assignors to Detroit Fuse & Mfg. Company, Detroit, Mich. Electrical switch. No. 1,231,992; July 3; v. 240; p. 152.
- Blume, George, Siberia, Ind. Double-bolt lock. No. 1,213,827; Jan. 30; v. 234; p. 1322.
- Blume, George F., Richmond, Ind. Journal-bearing. No. 1,217,141; Feb. 27; v. 235; p. 1064.
- Blume, George F., Richmond, Ind. Journal-bearing. No. 1,227,992; May 29; v. 238; p. 1483.
- Blumenberg, Henry, Los Angeles, Cal., assignor to E. B. Mapel, trustee, New York, N. Y. Extracting potassium from minerals. No. 1,214,003; Jan. 30; v. 234; p. 1382.
- Blumenfeld, Samuel, Chicago, Ill. Fastening for wardrobe-trunks. No. 1,215,469; Feb. 13; v. 235; p. 377.
- Blumenthal, Ferdinand, Cologne-Braunsfeld, Germany. Water-softening. No. 1,212,007; Jan. 9; v. 234; p. 595.
- Blumenthal, Louis, Brooklyn, N. Y., assignor, by mesne assignments, to G. Hammel, Passaic, N. J. Tag-tacking machine. No. 1,244,695; Oct. 30; v. 243; p. 1148.
- Blumenthal, Maurice, Brooklyn, N. Y. Slip-coupling for electric-cable conduits. No. 1,218,621; Mar. 13; v. 236; p. 291.
- Blumenthal, Maurice, Brooklyn, N. Y. Mold-form. No. 1,238,384; Aug. 28; v. 241; p. 1022.
- Blumenthal, Maurice, Brooklyn, assignor to B. S. Barnard and Company, New York, N. Y. Conduit-joint wrapper. No. 1,238,383; Aug. 28; v. 241; p. 1021.
- Blumer, Caspar, Philadelphia, Pa. Roll-locating device. No. 1,231,479; June 26; v. 239; p. 1163.
- Blumgren, Oscar, Idagrove, and J. E. Roose, Sac City, Iowa. Barrel-support. No. 1,247,624; Nov. 27; v. 244; p. 830.
- Blumlein, Jacob. (See Mero, Jesse R., assignor.)
- Blundell, Charles R., assignor of one-half to W. J. Bryan, Jr., Tucson, Ariz. Making and extracting the medicinal properties of the *larrea Mexicana* or *hedionda*. No. 1,250,132; Dec. 18; v. 245; p. 562.
- Blundell, David W., J. H. Mills, East Molesey, and A. T. Maguire, London, assignors to British Diatoric Manufacturing Company Limited, East Molesey, England. Artificial Tooth. No. 1,211,817; Jan. 9; v. 234; p. 528.
- Blundell, Mary R. (See Blundell, William C., assignor.)
- Blundell, William C., assignor of one-half to M. R. Blundell, Los Angeles, Cal. Water-indicating means for steam-boilers. No. 1,221,963; Apr. 10; v. 237; p. 368.
- Bly, Elmer A., Portland, Oreg. Wagon-brake shoe. No. 1,246,386; Nov. 13; v. 244; p. 403.
- Blydenburgh, Daniel, Pawtucket, R. I. Feed-controlling device for shuttles. No. 1,223,361; Apr. 24; v. 237; p. 926.
- Blydenburgh, Harold L., Detroit, Mich. Transmission-gearing. No. 1,250,546; Dec. 18; v. 245; p. 687.
- Bye, Harold, Grand Rapids, Mich. Refrigerator-latch. No. 1,238,876; Sept. 4; v. 242; p. 50.
- Bye, John H. (See Viney, Frederick C., assignor.)
- Blyth, John, Chicago, Ill., assignor to Eastman Kodak Company, Rochester, N. Y. Mount for photographs. No. 1,249,713; Dec. 11; v. 245; p. 402.
- Blythe, Eugene S., Allen, Kans. Folding umbrella. No. 1,223,138; Apr. 17; v. 237; p. 819.
- Blything, Robert S., Walton, N. Y. Shade-roller. No. 1,242,107; Oct. 2; v. 243; p. 202.
- Boal, Hugh M., Titusville, Pa. Telegraph apparatus. No. 1,226,066; Mar. 20; v. 236; p. 825.
- Board, Okey J., Gay, W. Va. Bearing. No. 1,240,019; Sept. 11; v. 242; p. 442.
- Boardman, Frank E., Memphis, Tenn. Signal system and control therefor. No. 1,217,558; Feb. 27; v. 235; p. 1211.
- Boardman, Frederick E., Brooklyn, N. Y. Coffee-pot. No. 1,250,547; Dec. 18; v. 245; p. 688.
- Boardman, Harry G., assignor to Automatic Baseball Co. of Illinois, Chicago, Ill. Power-driven base-ball pitcher. No. 1,213,577; Jan. 23; v. 234; p. 1207.
- Boardman, Robert O., Grand Rapids, Mich., assignor to Mergenthaler Linotype Company, Typographical machine. No. 1,212,444; Jan. 16; v. 234; p. 777.
- Boardman, Thomas V., Birmingham, Ala., assignor to American Box and Crate Company, Knoxville, Tenn. Delivery crate or case. No. 1,210,405; Jan. 2; v. 234; p. 8.
- Boardman, Thomas V., assignor to American Box and Crate Company, Knoxville, Tenn. Delivery-case. No. 1,219,069; Mar. 13; v. 236; p. 449.
- Bobbitt, James D., Madisonville, Ky. Silo. No. 1,214,418; Jan. 30; v. 234; p. 1524.
- Boberg, Charles E., Fort Worth, Tex. Direction-indicator. No. 1,212,316; Jan. 16; v. 234; p. 733.
- Boberg, Teofron. (See Åslund and Boberg.)
- Boberg, Teofron, O. Söderlund, and F. Åslund, assignors to Techno-Chemical Laboratories Limited, London, England. Concentrated food product and the like. No. 1,240,020; Sept. 11; v. 242; p. 442.
- Bobler, Fredrick H., Mount Green, Saskatchewan, Canada. Binder-tongue truck. No. 1,218,516; Mar. 6; v. 236; p. 216.
- Boblett, Kinderman M., Toledo, Ohio. Radiator. No. 1,214,642; Feb. 6; v. 235; p. 56.
- Robo, Hiram M., and H. C. Harrington, Rome, Ga. Heat-indicator. No. 1,240,813; Sept. 25; v. 242; p. 758.
- Robo, Lee O., Fresno, Cal. Plow. No. 1,222,064; Apr. 10; v. 237; p. 401.

Alphabetical list of patentees—Continued.

- Bobo, Ruben, Silvis, Ill. Wind-motor. No. 1,243,135; Oct. 16; v. 243; p. 604.
- Bobo, Walter T., assignor to The Easy Truss Company, Battle Creek, Mich. Truss-pad. No. 1,211,666; Jan. 9; v. 234; p. 474.
- Bobo, Walter T., assignor to The Easy Truss Company, Battle Creek, Mich. Belt for trusses and the like. No. 1,247,925; Nov. 27; v. 244; p. 919.
- Bobrick, Mayo A., Cleveland, Ohio. Auxiliary seat-back. No. 1,222,175; Apr. 10; v. 237; p. 442.
- Bocchino, Ernest, Passaic, assignor of one-half to W. Brouillier, Haledon, N. J. Hair-singeing device. No. 1,225,402; May 8; v. 238; p. 500.
- Boch, Louise H., Chicago, Ill. Foldable garment-protector. No. 1,218,831; Mar. 13; v. 236; p. 368.
- Boch, Louise H., Chicago, Ill. Window-shade. No. 1,230,269; June 19; v. 239; p. 721.
- Bock, Alfred C. O., Brooklyn, N. Y., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Latch. No. 1,220,939; Mar. 27; v. 236; p. 1164.
- Bock Bearing Company, The. (See Strong, Arthur J., assignor.)
- Bock, Charles S., Chicago, Ill. Hair-pin. No. 1,219,070; Mar. 13; v. 236; p. 449.
- Bock, Cornelius F., Templeton, Iowa. Harrow. No. 1,244,165; Oct. 23; v. 243; p. 950.
- Bock, Henry A., Milford, Conn. Cigar and blending the same. No. 1,223,362; Apr. 24; v. 237; p. 926.
- Bock, Henry L. (See Bock, William E. and H. L.)
- Bock, Herman, Red Wing, Minn. Bill-fold and card-case. No. 1,211,533; Jan. 9; v. 234; p. 430.
- Bock, Hermann, Buchatz, Oberschlesien, Germany. Pipe-packing holder. No. 1,211,061; Jan. 2; v. 234; p. 237.
- Bock, Laurenz, Bad Homburg Kirdorf, Germany. Manufacture of ultramarine. No. 1,239,080; Sept. 4; v. 242; p. 115.
- Bock, William E. and H. L., Toledo, Ohio; said H. L. Bock assignor to said William E. Bock. Motor-vehicle. No. 1,226,632; May 22; v. 238; p. 993.
- Böcker, Ernst, New York, N. Y. Automatic musical instrument. No. 1,222,722; Apr. 17; v. 237; p. 677.
- Bocker, Hermania A., Buffalo, N. Y. Umbrella-holder. No. 1,231,993; July 3; v. 240; p. 153.
- Bocking, Frederick W., Van Buren, Ark. Needle-sharpener. No. 1,250,085; Dec. 11; v. 245; p. 510.
- Bockstahler, Louis A., Lakewood, Ohio. Automatically-controlled floating mine. No. 1,221,964; Apr. 10; v. 237; p. 369.
- Bockstahler, Louis A., Cleveland, Ohio. Fruit-clipper. No. 1,242,645; Oct. 9; v. 243; p. 415.
- Boddie, Clarence A., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical regulator. No. 1,240,930; Sept. 25; v. 242; p. 797.
- Bodene, John M., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Comb for sheep-shear. No. 1,227,572; May 29; v. 238; p. 1338.
- Bodey, Edward J., Cincinnati, Ohio. Grinding-machine. No. 1,213,149; Jan. 23; v. 234; p. 1057.
- Bodine, Frank, Richwood, Minn. Road-scraper. No. 1,212,008; Jan. 9; v. 234; p. 596.
- Bodine, Henry M., assignor of one-half to E. C. Blanchard, Wichita, Kans. Railway-tie. No. 1,237,863; Aug. 21; v. 241; p. 819.
- Bodinson, Lars W., assignor to The American Well Works, Aurora, Ill. Centrifugal pump. No. 1,221,822; Apr. 10; v. 237; p. 317.
- Bodinson, Lars W., assignor to The American Well Works, Aurora, Ill. Deep-well pump. No. 1,230,554; June 19; v. 239; p. 815.
- Bodkin, John A., New York, N. Y. Guard-rail clamp. No. 1,220,392; Mar. 27; v. 236; p. 976.
- Bodkin, John A., New York, N. Y. Derauling device. No. 1,228,740; June 5; v. 239; p. 125.
- Bodkin, Morris A. (See Lee and Bodkin.)
- Bodmer, Christian, assignor to The Stanley Rule and Level Company, New Britain, Conn. Miter and try-square. No. 1,213,578; Jan. 23; v. 234; p. 1208.
- Bodmer, Christian, and A. W. Ritter, assignors to The Stanley Rule and Level Company, New Britain, Conn. Spirit-level. No. 1,212,735; Jan. 16; v. 234; p. 883.
- Bodnar, John, Atlasburg, Pa. Caster raising and lowering device. No. 1,219,071; Mar. 13; v. 236; p. 450.
- Bodnar, Stephan, Cleveland, Ohio. Life-saving raft. No. 1,244,020; Oct. 23; v. 243; p. 908.
- Body, Joseph J., *et al.* (See Blevins, Kilgore, and Blevins, assignors.)
- Boe, Clarence I., Thompson, N. D. Driving mechanism for grinding-machines. No. 1,235,182; July 31; v. 240; p. 1320.
- Boeck, John, Boise, Idaho. Turning and stopping signal for automobiles. No. 1,211,279; Jan. 2; v. 234; p. 312.
- Boeck, Percy A., assignor to Celite Products Company, Los Angeles, Cal. Metallurgical filtration. No. 1,245,557; Nov. 6; v. 244; p. 126.
- Boeckem, Fritz W. O., London, England. Air-carbureting apparatus. No. 1,246,704; Nov. 13; v. 244; p. 497.
- Boeckem, Fritz W. O., London, assignor to A. Morris, Relgate, England. Carbureting apparatus. No. 1,214,885; Feb. 6; v. 235; p. 140.
- Boecker, William F., Adrian, Minn. Lifting-jack. No. 1,227,873; May 29; v. 238; p. 1441.
- Boeckh, Johann M., Lindenhurst, N. Y. Collar. No. 1,237,286; Aug. 21; v. 241; p. 635.
- Boehck, William E., Jersey City, N. J. Hoisting mechanism. No. 1,235,647; Aug. 7; v. 241; p. 38.
- Boehck, William E., Jersey City, and H. S. Germond, Jr., Bayonne, assignors to New York Revolving Portable Elevator Company, Jersey City, N. J. Revolving portable elevator-lock. No. 1,213,828; Jan. 30; v. 234; p. 1322.
- Boehm, Joseph C., Chicago, Ill. Concrete-form fastener. No. 1,212,317; Jan. 16; v. 234; p. 734.
- Boehm, Rudolph A., assignor to B. S. Putts, Erie, Pa. Combination electric switch. No. 1,228,741; June 5; v. 239; p. 125.
- Boehne, Ralph, Doniphan township, Hall county, Nebr. Apparatus for facilitating the burning of stumps. No. 1,213,829; Jan. 30; v. 234; p. 1322.
- Boehringer & Soehne, C. F. (See Blagden, John W., assignor.)
- Boehm, Hubert J., Wellington, New Zealand. Apparatus for obtaining fiber from fibrous plants and for treating the same. No. 1,244,461; Oct. 30; v. 243; p. 1077.
- Boemper, Willie J., New York, N. Y. Toy railway. No. 1,237,287; Aug. 21; v. 241; p. 635.
- Boenning, William M., Manitowoc, Wis. Resilient wheel. No. 1,218,973; Mar. 13; v. 236; p. 417.
- Boera, Alvaro, New York, N. Y. Disk distributing or assorting machine. No. 1,235,281; July 31; v. 240; p. 1350.
- Boerner, Emile C., assignor to Russell, Burdall & Ward Bolt and Nut Co., Port Chester, N. Y. Nut-castellating machine. No. 1,217,396; Feb. 27; v. 235; p. 1151.
- Boernstein, Irving N., *et al.* (See Rodier, Harold B., assignor.)
- Boes, Milton, Louisville, Ky. Tightener for automobile chains. No. 1,235,762; Aug. 7; v. 241; p. 76.
- Boesiger, Henry L., Somerville, N. J. Belt-guard. No. 1,228,875; June 5; v. 239; p. 171.
- Boettcher, Gustav A., Jersey City, N. J. Quilting-machine. No. 1,218,517; Mar. 6; v. 236; p. 216.
- Bogart, John H., *et al.* (See Cox, Eldridge A., assignor.)
- Bogdanffy, Alexander, New York, N. Y. Machine for filling and packing molds with granular substances. No. 1,251,330; Dec. 25; v. 245; p. 969.
- Bogdanffy, Alexander, New York, assignor to The International Cork Company, Brooklyn, N. Y. Machine for the manufacture of bottle-closures. No. 1,249,714; Dec. 11; v. 245; p. 402.
- Bogdanffy, Alexander, and J. Alberti, New York, assignors to The International Cork Company, Brooklyn, N. Y. Machine for the manufacture of bottle-closures. No. 1,245,180; Nov. 6; v. 244; p. 11.
- Bogdanffy, Alexander, and E. Alberti, New York, assignors to International Cork Company, Brooklyn, N. Y. Mold filling and packing machine. No. 1,245,429; Nov. 6; v. 244; p. 86.
- Bogdanovic, Milan, Cleveland, Ohio. Rail-joint. No. 1,223,139; Apr. 17; v. 237; p. 819.
- Bogdański, Michael S., Clymer, Pa. Reading-bracket for beds. No. 1,218,923; Mar. 13; v. 236; p. 400.
- Bogert, Eugene. (See Carrough and Bogert.)
- Bogert, John P., Oklahoma, Okla. Mail-handling apparatus. No. 1,249,307; Dec. 11; v. 245; p. 285.
- Boggess, David L., Liberty, Mo. Spark-plug. No. 1,215,611; Feb. 13; v. 235; p. 432.
- Boggess, Margaret A., Fond du Lac, Wis. Mop-wringer. No. 1,234,721; July 31; v. 240; p. 1178.
- Boggs, Charles R., Arlington Heights, assignor to Simplex Wire & Cable Co., Boston, Mass. Vulcanizing rubber with selenium or its compounds. No. 1,249,272; Dec. 4; v. 245; p. 244.
- Boggs, Hamilton C., Decatur, Ala. Inner tube for pneumatic tires. No. 1,227,108; May 22; v. 238; p. 1156.
- Boggs, Nathan, assignor of one-third to C. Conn, Roseburg, and one-third to H. P. Conn, Melrose, Oreg. Explosive-engine. No. 1,243,483; Oct. 16; v. 243; p. 707.
- Boggs, Thaddeus M., Monongahela, Pa. Sliding-horn kick-back dump. No. 1,221,662; Apr. 3; v. 237; p. 228.
- Bognar, Charles, Hamilton, Ontario, Canada. Combined dresser and folding bed. No. 1,243,918; Oct. 23; v. 243; p. 877.
- Bohack, Henry C., Brooklyn, N. Y. Attaching device for antiskid wheel-chains. No. 1,232,760; July 10; v. 240; p. 440.
- Bohan, William J., St. Paul, Minn. Freight-car. No. 1,228,742; June 5; v. 239; p. 126.
- Bohan, William J., St. Paul, Minn. Locomotive. No. 1,242,762; Oct. 9; v. 243; p. 452.
- Bohan, William J., St. Paul, Minn. Registering mechanism. No. 1,245,665; Nov. 6; v. 244; p. 160.
- Bohan, William J., St. Paul, Minn. Side door for box-cars. No. 1,245,666; Nov. 6; v. 244; p. 160.
- Bohan, James F., and C. J. Hartman, Scranton, Pa. Guard for textile machinery. No. 1,249,889; Dec. 11; v. 245; p. 455.
- Bohannon, Bertha H., Daytona, Fla. Child's one-button romper. No. 1,243,583; Oct. 16; v. 243; p. 737.
- Bohannon, David E., San Francisco, Cal., assignor, by mesne assignments, to Red Star Wheel Company, Seattle, Wash. Resilient wheel. No. 1,249,273; Dec. 4; v. 245; p. 244.
- Bohannon, Joshua, Eminence, assignor of one-half to P. B. Falls, Pleasureville, Kv. Permutation-lock. No. 1,237,461; Aug. 21; v. 241; p. 692.

- Bohannon, Robert S., Ensley, assignor to National Steel Products Company, Birmingham, Ala. Portable track-reinforcement. No. 1,232,191; July 8; v. 240; p. 220.
- Bohleber, William. (See Bundy, Cyrus L., assignor.)
- Bohler, Robert H., Waycross, Ga. Internal-combustion engine. No. 1,248,250; Nov. 27; v. 244; p. 1010.
- Bohlin, Arvid, Trenton, N. J. Vehicle-wheel. No. 1,219,369; Mar. 13; v. 236; p. 552.
- Bohman, George J., Medford, assignor to American Water Supply Company of New England, Boston, Mass. Paper cup. No. 1,245,313; Nov. 6; v. 244; p. 52.
- Bohman, George J., Medford, assignor to American Water Supply Co. of New England, Boston, Mass. Paper tongs. No. 1,250,422; Dec. 18; v. 245; p. 650.
- Bohm, Wilhelm A. and W. A., Jr., Baltimore, Md. Toilet-seat. No. 1,227,373; May 22; v. 238; p. 1242.
- Bohmker, John C., Bradley, assignor to Sears, Roebuck and Company, Chicago, Ill. Plow. No. 1,230,846; June 26; v. 239; p. 951.
- Bohn, Frank, Chester, Pa. Life-saving device for ocean vessels. No. 1,226,055; May 15; v. 238; p. 762.
- Bohn, Frank, Baltimore, Md. Life-saving device for ocean vessels. (Reissue.) No. 1,4329; July 24; v. 240; p. 1139.
- Bohn, Gebhard C., St. Paul, Minn. Table. No. 1,224,129; May 1; v. 238; p. 4.
- Bohn, Gebhard C., St. Paul, Minn. Bulkhead. No. 1,224,130; May 1; v. 238; p. 5.
- Bohnenkemper, George C., Denver, Colo. Lawn-sprinkler. No. 1,223,246; Apr. 17; v. 237; p. 853.
- Boice, Abram C., Kansas City, Mo. Swinging crib. No. 1,218,363; Mar. 6; v. 236; p. 166.
- Boice, William T., Foley, Minn. Corn-husking device. No. 1,217,905; Mar. 6; v. 236; p. 7.
- Boidin, Auguste, Seclin, France, and J. Effront, Brussels, Belgium. Treating amylaceous substances. No. 1,227,374; May 22; v. 238; p. 1242.
- Boidin, Auguste, Seclin, France, and J. Effront, Brussels, Belgium. Process of manufacturing diastases and toxins by oxidizing ferments. No. 1,227,525; May 22; v. 238; p. 1293.
- Boig, James H. C., Pasadena, Cal. Cotton-picker nozzle. No. 1,239,343; Sept. 4; v. 242; p. 199.
- Boirault, Louis, Paris, France. Electrical coupling device for railway and other vehicles. No. 1,216,057; Feb. 13; v. 235; p. 592.
- Boirault, Louis, Paris, France. Electric connection for railway-vehicles. No. 1,227,375; May 22; v. 238; p. 1243.
- Bois, Nathaniel, San Francisco, Cal. Interlocking stair-form. No. 1,244,021; Oct. 23; v. 243; p. 908.
- Boissonnault, Gaston, assignor to Micropho-Detector Co., Inc., New York, N. Y. Telephone instrument. No. 1,234,613; July 24; v. 240; p. 1111.
- Boker, Vitus A., Minneapolis, Minn. Tractor. No. 1,214,643; Feb. 6; v. 235; p. 56.
- Boker, Vitus A., Minneapolis, Minn. Tractor-truck. No. 1,221,133; Apr. 3; v. 237; p. 45.
- Boker, Vitus A., Minneapolis, Minn. Self-lubricating-lantern gear. No. 1,246,045; Nov. 13; v. 244; p. 300.
- Bokop, Frederick A. (See Bokop, Henry D. and F. A.)
- Bokop, Henry D. and F. A., Defiance, Ohio. Folding bucket. No. 1,243,381; Oct. 16; v. 243; p. 677.
- Bola, George J. (See Lydamore and Bola.)
- Boland, Francis P., Providence, R. I. Process and means for filtering water. No. 1,217,397; Feb. 27; v. 235; p. 1151.
- Bolander, George R., Alameda, Cal. Sprinkler. No. 1,221,276; Apr. 3; v. 237; p. 98.
- Bold, Leopold S., La Farge, Wis. Traction-wheel. No. 1,229,404; June 12; v. 239; p. 397.
- Boldry, Rufus C., assignor to H. E. Davis, Oskaloosa, Iowa. Hog-oiler or animal-oiler. No. 1,237,606; Aug. 21; v. 241; p. 738.
- Boldry, Rufus C., assignor to H. E. Davis, Oskaloosa, Iowa. Vulcanizer. No. 1,246,387; Nov. 13; v. 244; p. 403.
- Boldt, Erich A., Dresden, Germany. Method of and apparatus for preparing soil for cultivation. No. 1,241,816; Oct. 2; v. 243; p. 111.
- Boldt, Oscar J., Appleton, Wis. Bowling-pin. No. 1,214,126; Jan. 30; v. 234; p. 1424.
- Bole, William A., Pittsburgh, Pa. Making castings. No. 1,227,573; May 29; v. 238; p. 1338.
- Bolens, Harry W., Port Washington, Wis. Adjusting means for the backs of type-writer chairs. No. 1,224,263; May 1; v. 238; p. 54.
- Bolens, Harry W., Port Washington, Wis. Chair-iron. No. 1,229,214; June 12; v. 239; p. 332.
- Bolens, Harry W., Port Washington, Wis. Tilting chair. No. 1,245,181; Nov. 6; v. 244; p. 12.
- Bolens, Harry W., Port Washington, Wis. Revolving and swiveling chair adjustment. No. 1,245,182; Nov. 6; v. 244; p. 12.
- Bolens, Harry W., Port Washington, Wis. Chair-seat spider. No. 1,247,625; Nov. 27; v. 244; p. 830.
- Bolens, Harry W., assignor to Gilson Manufacturing Company, Port Washington, Wis. Adjustment for tilting chairs. No. 1,217,268; Feb. 27; v. 235; p. 1106.
- Boleratz, Norine, Detroit, Mich. Coffee-pot. No. 1,210,590; Jan. 2; v. 234; p. 73.
- Boleratz, Norine, Detroit, Mich. Culinary boiler. No. 1,214,992; Feb. 6; v. 235; p. 181.
- Bolles, Arthur R., Indianapolis, Ind. Violin chin-rest. No. 1,225,566; May 8; v. 238; p. 554.
- Bolles, George C., Peebles, Ohio. Rail-joint. No. 1,242,133; Oct. 9; v. 243; p. 252.
- Boley, John D. (See Story, Hudson F., assignor.)
- Bolger, Robert S., Richmond Hill, assignor of one-half to G. H. Whistler, New York, N. Y. Paper barrel. No. 1,210,406; Jan. 2; v. 234; p. 9.
- Bolger, Thomas P., Gloucester, Mass. Flower-box. No. 1,229,022; June 5; v. 239; p. 218.
- Boli, Peter W., Wilkensburg, Pa. Feed-bag. No. 1,229,573; June 12; v. 239; p. 455.
- Bolick, Lester W., Newton, N. C. Bottle-opener. No. 1,240,657; Sept. 18; v. 242; p. 677.
- Bolin, Charles D., St. Louis, Mo. Oven-thermometer. No. 1,224,896; May 8; v. 238; p. 327.
- Bolin, Charles D., St. Louis, Mo. Oven-thermometer. No. 1,224,897; May 8; v. 238; p. 327.
- Bolinger, Dennis B., Sullivan, Ind. Adjustable radiator-casing. No. 1,242,646; Oct. 9; v. 243; p. 416.
- Boll, William J. (See Hackett and Boll.)
- Boll, William J. and L. L. Kempthorne, assignors of one-third to F. H. Sandman, Platteville, Wis. Clamp for holding a calk while being welded to a shoe. No. 1,242,647; Oct. 9; v. 243; p. 416.
- Boller, George C., Loomis, Cal. Tool for side-grafting trees and shrubbery. No. 1,236,045; Aug. 7; v. 241; p. 169.
- Bolles, William B. (See Baerman, Ludwig A., assignor.)
- Bollin, Theodore, Okmulgee, Okla. Portable hand instrument for abdominal massages. No. 1,234,860; July 31; v. 240; p. 1220.
- Bollin, Theodore, Okmulgee, Okla. Electrical massage apparatus. No. 1,240,410; Sept. 18; v. 242; p. 601.
- Bolopue, Pearl A., Pittsburgh, Pa. Chock. No. 1,223,247; Apr. 17; v. 237; p. 853.
- Bolstad, Oscar J. (See Stensrud, John A., assignor.)
- Bolt, Columbus H., Artesia, Cal. Nut-lock. No. 1,231,840; July 3; v. 240; p. 103.
- Bolt, Columbus H., Artesia, Cal. Whiffletree-hook. No. 1,244,285; Oct. 23; v. 243; p. 987.
- Bolt, Ernest J., Allentown, Pa. Valve. No. 1,227,574; May 29; v. 238; p. 1338.
- Bolt, Malon C. and S. L., and E. E. Goad, Switchback, W. Va. Spring-wheel. No. 1,215,768; Feb. 13; v. 235; p. 487.
- Bolt, Sylvester L. (See Bolt and Goad.)
- Bolte, Charles W., Atlantic City, N. J. Mouth-protector for drinking-glasses and the like. No. 1,237,462; Aug. 21; v. 241; p. 692.
- Bolte, John W., Oak Park, Ill. Smoking-pipe and supporting combustion in same. No. 1,223,757; Apr. 24; v. 237; p. 1067.
- Bolthoff, Henry, Denver, Colo. Air-compressor. No. 1,246,801; Nov. 13; v. 244; p. 526.
- Boltinghouse, Walter. (See Belding, Floyd H., assignor.)
- Bolton, Alexander. (See Day, Edgar K., assignor.)
- Bolton, Alice, Spokane, Wash. Copy-holder. No. 1,226,452; May 15; v. 238; p. 896.
- Bolton, Andrew C., Brooklyn, N. Y. Filing-cabinet for disk records. No. 1,231,326; June 26; v. 239; p. 1112.
- Bolton, George W., Nashville, Tenn. Automatic safety gage-cock. No. 1,228,876; June 5; v. 239; p. 172.
- Bolton, James, and H. DeForge, Fitchburg, Mass. Shuttle attachment. No. 1,237,236; Aug. 14; v. 241; p. 581.
- Bolton, John T., assignor of one-half to The Forsyth Dyeing Co., New Haven, Conn. Web stretching and guiding device. No. 1,237,697; Aug. 21; v. 241; p. 738.
- Bolton, Lewis H., Slippery Rock, Pa. Stop. No. 1,211,392; Jan. 2; v. 234; p. 382.
- Bolton, Mell A., Detroit, Mich. Internal-combustion engine. No. 1,250,950; Dec. 25; v. 245; p. 857.
- Boltz, Fred S., Cambridge, Mass. Heat-economizing apparatus. No. 1,226,299; May 15; v. 238; p. 849.
- Bolus, Glenn H., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley-wire hanger for catenary systems. No. 1,229,705; June 12; v. 239; p. 498.
- Bolus, William G. (See Grisinger, David, assignor.)
- Bomar, E. C., et al. (See Evans, Walter P., assignor.)
- Bomar, Thomas B., Fort Worth, Tex. Collapsible carrying-crate. No. 1,216,058; Feb. 13; v. 235; p. 593.
- Bombara, John, Dayton, Ohio. Life-preserving buoy. No. 1,248,796; Dec. 4; v. 245; p. 110.
- Bommarito, Antonio, St. Louis, Mo. Acetylene-lamp. No. 1,220,940; Mar. 27; v. 236; p. 1164.
- Bommer, Emil. (See Rogers, Clarence T., assignor.)
- Bommer, Emil, Brooklyn, N. Y. Spring-hinge. No. 1,226,179; May 15; v. 238; p. 804.
- Bommer, Emil, Brooklyn, N. Y. Spring-hinge. No. 1,241,081; Sept. 25; v. 242; p. 841.
- Bommer, Emil, Brooklyn, N. Y. Door-checking hinge. No. 1,241,082; Sept. 25; v. 242; p. 842.
- Bommer, Emil, Brooklyn, N. Y. Checking-hinge. No. 1,241,083; Sept. 25; v. 242; p. 842.
- Bommer, Emil, Brooklyn, N. Y. Checking device for oscillatory movement. No. 1,241,084; Sept. 25; v. 242; p. 842.
- Bommer, Emil, Brooklyn, N. Y. Spring-hinge. No. 1,241,085; Sept. 25; v. 242; p. 843.
- Bon Aurora Manufacturing and Machine Company, The. (See Gray, Halla F., assignor.)
- Bonafede, Carlo, Milan, Italy. Making dough by germination in salt solution. No. 1,235,420; July 31; v. 240; p. 1391.

Alphabetical list of patentees—Continued.

- Bond, Alice B., Visalia, Cal. Heating and ventilating system for incubators and brooders. No. 1,247,496; Nov. 20; v. 244; p. 761.
- Bond Bottle Sealing Company. (See Bond, Samuel C., assignor.)
- Bond, Charles J., Syracuse, assignor, by mesne assignments, to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,236,141; Aug. 7; v. 241; p. 196.
- Bond, Charles L., Philadelphia, Pa. Weighing device. No. 1,234,123; July 24; v. 240; p. 952.
- Bond, Coy R., Idaho, Ohio. Gate-latch. No. 1,236,255; Aug. 7; v. 241; p. 233.
- Bond, George T., Huntington, W. Va. Making brake-shoes and product thereof. No. 1,227,376; May 22; v. 238; p. 1243.
- Bond, George T., Huntington, W. Va. Bending-machine. No. 1,240,534; Sept. 18; v. 242; p. 640.
- Bond, Leonard, Glossop, England. Heating apparatus. No. 1,224,061; Apr. 24; v. 237; p. 1171.
- Bond, Leonard, Glossop, England. Incubating and chicken-raising apparatus. No. 1,227,377; May 22; v. 238; p. 1244.
- Bond, Samuel C., Holyoak, assignor to Bond Bottle Sealing Company, Wilmington, Del. Preparing natural cork for industrial use. No. 1,224,264; May 1; v. 238; p. 51.
- Bond, William A., Nahant, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting and sewing machine. No. 1,220,817; Mar. 27; v. 236; p. 1125.
- Bond, William F., Morrisdale, Pa. Railway construction. No. 1,240,658; Sept. 18; v. 242; p. 678.
- Bonds, Walter P., Jr., Roswell, Tex. Tillage implement. No. 1,249,008; Dec. 4; v. 245; p. 169.
- Bondurant, Emmet J., assignor to Georgia Plow & Foundry Co., Athens, Ga. Projectile. No. 1,218,832; Mar. 13; v. 236; p. 368.
- Bondurant, Jesse M., Eigsboro, Va. Feeding attachment for baling-presses. No. 1,216,407; Feb. 20; v. 235; p. 769.
- Bondy, Alexander F., Hewlett, N. Y. Sash-lock. No. 1,231,994; July 3; v. 240; p. 153.
- Bone, David R., Oglesby, Tex. Furnace. No. 1,229,706; June 12; v. 239; p. 498.
- Bone, William A., J. W. Wilson, Leeds, and C. D. McCourt, assignors to Radiant Heating Limited, London, England. Burning gases. No. 1,222,922; Apr. 17; v. 237; p. 744.
- Bone, William A., Leeds, J. W. Wilson, Armley, Leeds, and C. D. McCourt, assignors to Radiant Heating Limited, London, England. Combustion of mixed gases. No. 1,223,248; Apr. 17; v. 237; p. 854.
- Bone, William A., Leeds, J. W. Wilson, Armley, Leeds, and C. D. McCourt, assignors to Radiant Heating Limited, London, England. Producing heat. No. 1,223,249; Apr. 17; v. 237; p. 854.
- Bone, William A., Leeds, J. W. Wilson, Armley, Leeds, and C. D. McCourt, assignors to Radiant Heating Limited, London, England. Diaphragm apparatus for burning gases. No. 1,223,308; Apr. 17; v. 237; p. 874.
- Bone, William A., J. W. Wilson, Leeds, and C. D. McCourt, assignors to Radiant Heating Limited, London, England. Steam generation. No. 1,230,990; June 26; v. 239; p. 999.
- Bonelli, Liborio C., San Antonio, Tex. Air-pipe coupling. No. 1,249,009; Dec. 4; v. 245; p. 169.
- Bonfield, William W. (See Wilhelm and Bonfield.)
- Bonfield, William W., Cleveland, Ohio. Apparatus for feeding scale-preventive into boilers. No. 1,226,300; May 15; v. 238; p. 850.
- Bongiovanni, Antonio, Barnesboro, Pa. Holder or caster for condiment-receptacles. No. 1,215,333; Feb. 13; v. 235; p. 331.
- Bongiovanni, Antonio, assignor of one-half to H. Greenwood, Barnesboro, Pa. Head-rest hanger for barbers' chairs. No. 1,225,567; May 8; v. 238; p. 555.
- Bonguer, Jacob, *et al.* (See Cowgill, Orph W., assignor.)
- Bonham, Frances G., administratrix. (See Bonham, Francis P.)
- Bonham, Francis P., deceased, San Francisco; G. Bonham, administratrix, Woodland, Cal. Manifold device for addressing envelopes. No. 1,216,770; Feb. 20; v. 235; p. 894.
- Bonkemeyer, William H., Randleman, N. C. Plow. No. 1,214,993; Feb. 6; v. 235; p. 181.
- Bonnar, James D., Ashtabula, assignor, by mesne assignments, to J. R. Garfield, trustee, Cleveland, Ohio. Telephone-exchange system. No. 1,233,837; July 17; v. 240; p. 824.
- Bonnard, Alfred H. (See Rule and Nicol, assignors.)
- Bonnart, Auguste, Philadelphia, Pa. Reversing means for internal-combustion engines. No. 1,224,839; May 1; v. 238; p. 256.
- Bonnefont, Edmond L., Grenoble, France. Measuring-faucet. No. 1,219,800; Mar. 20; v. 236; p. 732.
- Bonnell, William A., Brooklyn, N. Y. Metal conduit-molding. No. 1,217,398; Feb. 27; v. 235; p. 1151.
- Bonnell, William A., Brooklyn, N. Y. Outlet-box for electric conduits. No. 1,234,271; July 24; v. 240; p. 1000.
- Bonnell, William A., Brooklyn, N. Y. Outlet-box. No. 1,243,246; Oct. 16; v. 243; p. 637.
- Bonner, C. E. (See Brown, John H., assignor.)
- Bonner, Edward O., Greenfield, Ohio. Attachment for hay-ladders. No. 1,249,890; Dec. 11; v. 245; p. 455.
- Bonner, James A., San Diego, Cal. Toilet-seat. No. 1,215,104; Feb. 6; v. 235; p. 217.
- Bonner, William T., San Francisco, Cal. Metal-bed fastening. No. 1,212,736; Jan. 16; v. 234; p. 883.
- Bonnet, Ernest H. N., Nonancourt, France. Automotor harvesting-machine. No. 1,217,906; Mar. 6; v. 236; p. 7.
- Bonnett, Robert. (See Ray and Bonnett.)
- Bonney, Bick R., assignor to J. W. Elwood, Omaha, Nebr. Spray hog-oiler. No. 1,233,286; July 10; v. 240; p. 607.
- Bonney-Floyd Company, The. (See Dorsey, Walter A., assignor.)
- Bonney-Floyd Company, The. (See Newdick, Norton A., assignor.)
- Bonney, George W., Phoenix, assignor of one-third to J. R. Williams, Mechanicsburg, Miss. Permutation-padlock. No. 1,224,595; May 1; v. 238; p. 172.
- Bonny, Howard R., New York, N. Y. Machine for treating flax and other fibrous plants. No. 1,241,703; Oct. 2; v. 243; p. 75.
- Bonom, Alfred, Paterson, N. J. Lookout-mast for ships. No. 1,213,579; Jan. 23; v. 234; p. 1208.
- Bonson, William W., Dubuque, Iowa. Attachment for dry-ore separators. No. 1,214,269; Jan. 30; v. 234; p. 1474.
- Bonte, George W., New York, N. Y. Figure wheeled toy. No. 1,230,847; June 26; v. 239; p. 951.
- Bonvicin, Adolph M., Ironton, Minn. Gearing for bicycles. No. 1,217,691; Feb. 27; v. 235; p. 1257.
- Boock, Wilhelm F., Pipestone, Minn. Convertible seat and bed structure for vehicles. No. 1,229,871; June 12; v. 239; p. 554.
- Booher, Claud A., Little Rock, Ark. Gas heating-stove. No. 1,234,272; July 24; v. 240; p. 1000.
- Bookhart, Edward W. (See Klaus and Bookhart.)
- Bookman, Joseph B., Manhattan, Nev. Internal-bath apparatus. No. 1,217,692; Feb. 27; v. 235; p. 1257.
- Bookman, Joseph B., Manhattan, Nev. Electric water-heater. No. 1,226,849; May 22; v. 238; p. 1067.
- Bookwalter, Albert E., Coeur d'Alene, Idaho. Ore-washing machine. No. 1,237,237; Aug. 14; v. 241; p. 581.
- Boomer, George A., assignor to The Plume & Atwood Manufacturing Company, Waterbury, Conn. Fixture-loop. No. 1,212,318; Jan. 16; v. 234; p. 734.
- Boomer, George A., assignor to The Plume & Atwood Mfg. Co., Waterbury, Conn. Conjunction member for electric fixtures. No. 1,233,640; July 17; v. 240; p. 763.
- Boomershine, Adam. (See Lenn and Boomershine.)
- Boon, Walter H., Carbon, Tex. Planter. No. 1,213,830; Jan. 30; v. 234; p. 1323.
- Boone, Anne, New York, N. Y. Corn-pad. No. 1,240,021; Sept. 11; v. 242; p. 442.
- Boone, Leslie V., Bridgeport, Cal. Tool-handle. No. 1,241,189; Sept. 25; v. 242; p. 876.
- Boone, Richard P., Kirkersville, Ohio. Rack. No. 1,237,997; Aug. 21; v. 241; p. 862.
- Boor, Theodore A., Ashville, Ohio. Hose-clamp. No. 1,224,062; Apr. 24; v. 237; p. 1171.
- Boor, Theodore A., Ashville, Ohio. Hose-clamp. No. 1,224,063; Apr. 24; v. 237; p. 1171.
- Boor, Theodore A., Ashville, Ohio. Hose-clamp. No. 1,238,629; Aug. 28; v. 241; p. 1101.
- Booraem, John F., Greenwich, Conn. Nozzle for baths. No. 1,240,411; Sept. 18; v. 242; p. 602.
- Booraem, John F., Greenwich, Conn. Spring-board holder. No. 1,250,951; Dec. 25; v. 245; p. 858.
- Booraem, Robert E., Denver, Colo. Lamp for motor-vehicles. No. 1,224,064; Apr. 24; v. 237; p. 1171.
- Booraem & Rohmer. (See Rohmer, Gabriel E., assignor.)
- Boorum & Pease Loose Leaf Book Company. (See Heeter, Thomas E., assignor.)
- Boorum and Pease Company. (See Von Auw, Alwin, assignor.)
- Boos, August N. E., New York, N. Y. Adding, recording, and printing machine for service-checks. No. 1,233,546; July 17; v. 240; p. 731.
- Boos, Elmer J., Cincinnati, Ohio. Combined head and signal lamp. No. 1,221,965; Apr. 10; v. 237; p. 369.
- Boos, Jacob A., Mount Vernon, N. Y. Eraser-holder for pencils. No. 1,237,013; Aug. 14; v. 241; p. 511.
- Boosey, Edward W. N., Detroit, Mich. Trap. No. 1,220,818; Mar. 27; v. 236; p. 1125.
- Boosey, Edward W. N., Detroit, Mich. Waste-trap. No. 1,245,558; Nov. 6; v. 244; p. 126.
- Booth, J. E. (See Elam, William B., assignor.)
- Booth, Charles M., Halleck, Cal. Reciprocating engine. No. 1,222,923; Apr. 17; v. 237; p. 745.
- Booth, Clement, Narberth, and A. C. Page, Philadelphia, Pa. Demountable wire wheel. No. 1,220,314; Mar. 27; v. 236; p. 951.
- Booth-Hall Company. (See Booth, William K., assignor.)
- Booth, Henry S., Manchester, England, assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Calculating-machine. No. 1,227,033; May 22; v. 238; p. 1130.
- Booth, James A., Springfield, Ill. Trolley. No. 1,240,814; Sept. 25; v. 242; p. 759.
- Booth, John F., Raetihi, Wellington, New Zealand. Ship's billiard-table. No. 1,248,797; Dec. 4; v. 245; p. 110.
- Booth, John T. (See Patchett, William R. E., assignor.)
- Booth, Lewis M., Plainfield, N. J. Drum-cap. No. 1,216,771; Feb. 20; v. 235; p. 894.

- Booth, Robert, Johannesburg, Transvaal, South Africa. Motor road-vehicle. No. 1,220,999; Mar. 27; v. 236; p. 1184.
- Booth, Ronald E., Seattle, Wash. Wheelbarrow. No. 1,242,418; Oct. 9; v. 243; p. 342.
- Booth, Thomas S., New Haven, Conn. Liquid micrometer-indicator. No. 1,245,559; Nov. 6; v. 244; p. 126.
- Booth, William, East Liverpool, Ohio. Telephone-mouth-piece. No. 1,240,659; Sept. 18; v. 242; p. 678.
- Booth, William K., assignor to Booth-Hall Company, Chicago, Ill. Electric furnace and method of operation. No. 1,244,415; Oct. 23; v. 243; p. 1025.
- Booth, William N., assignor to Kelsey Wheel Company, Inc., Detroit, Mich. Split clencher demountable rim and locking and alining device therefor. No. 1,240,789; Sept. 18; v. 242; p. 718.
- Booth, William N., assignor to Kelsey Wheel Company, Inc., Detroit, Mich. Straight-side demountable rim. No. 1,244,022; Oct. 23; v. 243; p. 909.
- Boothman, Lawrence. (See Miller and Boothman.)
- Booty, Stanley S., London, England. Wick-holder. No. 1,226,850; May 22; v. 238; p. 1067.
- Boetz, Eugene, Edgewater, Colo. Automobile-starter. (Reissue.) No. 14,297; May 8; v. 238; p. 611.
- Bopp, Clinton L., Waterloo, Iowa. Wireless automatic railway registering system. No. 1,213,066; Jan. 16; v. 234; p. 994.
- Bopp, Clinton L., Waterloo, Iowa. Electric signal for railways. No. 1,222,518; Apr. 10; v. 237; p. 563.
- Bopp, Clinton L., Hawkeye, Iowa. Circuit-closer for automatic signaling systems. No. 1,215,242; Feb. 6; v. 235; p. 265.
- Bopp, Clinton L., Hawkeye, Iowa. Track instrument. No. 1,221,663; Apr. 3; v. 237; p. 229.
- Boracci, Pasquale J., Long Island City, N. Y. Attachment for gas-burners. No. 1,213,730; Jan. 23; v. 234; p. 1258.
- Borcher, Thomas, Jersey City, N. J. Lacing-stud. No. 1,248,798; Dec. 4; v. 245; p. 110.
- Borcherdt, Walter O., Austinville, Va., assignor to The New Jersey Zinc Company, New York, N. Y. Revolving screen and screening. No. 1,212,179; Jan. 16; v. 234; p. 681.
- Borchmann, Clara, New York, N. Y. Cover for receptacles. No. 1,210,892; Jan. 2; v. 234; p. 177.
- Bordeleau, Donat. (See McLaughlin and Bordeleau.)
- Borden Company, The. (See Nonneman, Ira W., assignor.)
- Borden, Henry M., Minneapolis, Minn. Printing apparatus. No. 1,232,486; July 10; v. 240; p. 349.
- Borden, William E., Hillsboro, Ohio. Mail-carrier. No. 1,226,851; May 22; v. 238; p. 1067.
- Borden, William H., Winchester, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Work-support. No. 1,227,575; May 29; v. 238; p. 1339.
- Borden's Condensed Milk Company. (See Campbell, Charles H., assignor.)
- Borden's Condensed Milk Company. (See Robertson, William P., assignor.)
- Borden's Condensed Milk Company. (See Taylor, Burt E., assignor.)
- Borden's Condensed Milk Company. (See Young, John H., assignor.)
- Bordner, Robert I., and A. E. Eberhart, Brock, Saskatchewan, Canada. Child's wagon. No. 1,234,614; July 24; v. 240; p. 1111.
- Bordon Company, The. (See Nonneman, Ira W., assignor.)
- Bordwell, Edward L., Marysville, Cal. Nut-lock. No. 1,229,872; June 12; v. 239; p. 554.
- Borel, Joseph, and F. Grange, deceased, Annecy, France; C. Neel, administrator. Press-button. No. 1,231,841; July 3; v. 240; p. 103.
- Borener, Albert J., Chicago, Ill. Blast-pipe connection. No. 1,230,657; June 19; v. 239; p. 849.
- Borg, Peter, Sheldon, Iowa. Load-binder. No. 1,243,247; Oct. 16; v. 243; p. 637.
- Borger, Henry E., and J. H. Richards, assignors to Splitt-dorf Electrical Company, Newark, N. J. Mounting-plate. No. 1,249,308; Dec. 11; v. 245; p. 286.
- Borgeson, Charles J., assignor to The Pneumatic Machine Company, Syracuse, N. Y. Rock-drill fastening. No. 1,236,664; Aug. 14; v. 241; p. 398.
- Borgeson, Nels V. (See Sage and Borgeson.)
- Borgmann, Bernard J., Cincinnati, Ohio. Shock-absorber. No. 1,242,134; Oct. 9; v. 243; p. 252.
- Borislavsky, Michael, Minsk, Russia. Apparatus for cleaning and drying grain. No. 1,225,403; May 8; v. 238; p. 500.
- Borjesson, Benjamin, assignor of one-half to E. Carlson, Worcester, Mass. Adjustable holder for boring-tools. No. 1,233,174; July 10; v. 240; p. 574.
- Borke, John J., New York, N. Y. Folding bow for vehicle-tops. No. 1,235,874; Aug. 7; v. 241; p. 113.
- Borland, Deloss, and H. L. Fox, Charleston, Miss. Attachment for motor-vehicles. No. 1,212,009; Jan. 9; v. 234; p. 596.
- Borland, Matthew H., Seekonk, Mass. Electrical make-and-break tripping mechanism for two or four cycle gas-engines. No. 1,216,651; Feb. 20; v. 235; p. 853.
- Born, Julius L., Detroit, Mich. Garbage-receptacle for sinks. No. 1,225,308; May 8; v. 238; p. 467.
- Born, Sidney, Bartlesville, Okla. Petroleum-distilling apparatus. No. 1,234,124; July 24; v. 240; p. 952.
- Bornmann, Carl, Binghamton, N. Y. Recording device for automobiles. No. 1,218,364; Mar. 6; v. 236; p. 166.
- Bornmann, Carl, assignor to Anasco Company, Binghamton, N. Y. Camera. No. 1,213,067; Jan. 16; v. 234; p. 995.
- Bornmann, Carl, assignor to Anasco Company, Binghamton, N. Y. Camera. No. 1,213,731; Jan. 23; v. 234; p. 1258.
- Bornmann, Carl, assignor to Anasco Company, Binghamton, N. Y. Camera. No. 1,219,801; Mar. 20; v. 236; p. 732.
- Bornmann, Carl, and E. C. Clark, assignors to Anasco Company, Binghamton, N. Y. Camera. No. 1,216,543; Feb. 20; v. 235; p. 815.
- Bornstein, Jennie L., Dayton, Ohio. Sanitary apron. No. 1,243,693; Oct. 23; v. 243; p. 803.
- Borrás, Antonio, and F. Iriarte, Buenos Aires, Argentina. Aeroplane. No. 1,216,652; Feb. 20; v. 235; p. 853.
- Borrás, Antonio, and F. Iriarte, Buenos Aires, Argentina. Rotary steam-engine. No. 1,220,173; Mar. 27; v. 236; p. 900.
- Borrás, Antonio, and F. Iriarte, Buenos Aires, Argentina. Rotary pump. No. 1,241,704; Oct. 2; v. 243; p. 75.
- Borrás, Edelmiro, Barcelona, Spain. Preparation of potato-peelings for the purpose of their industrial utilization. No. 1,226,852; May 22; v. 238; p. 1068.
- Borres, Frank J., Pittsburgh, Pa. Snow-remover. No. 1,211,280; Jan. 2; v. 234; p. 312.
- Borrmann, Carl H., Essen-on-the-Ruhr, Germany. Process and apparatus for continuously distilling mineral oils and the like. No. 1,220,067; Mar. 20; v. 236; p. 825.
- Borst, Charles L., Atchison, Kans. Safety-latch for elevator-gates. No. 1,213,450; Jan. 23; v. 234; p. 1163.
- Borst, Frederick H., Artesian, S. D. Apparatus for and process of die-casting pure aluminum, its alloys, and other lighter metals. No. 1,215,243; Feb. 6; v. 235; p. 265.
- Borton, Carrie M., Huntsville, Ala. Invalid's support. No. 1,250,086; Dec. 11; v. 245; p. 510.
- Boruff, Ray R. (See Saladee, William H., assignor.)
- Borup, Christian. (See Anderson, Anders J., assignor.)
- Boryszewski, Joseph, Jr., Forks, N. Y. Gasolene-tank and gage for same. No. 1,249,010; Dec. 4; v. 245; p. 169.
- Bosanquet, Stanley E. F., Comboyne, New South Wales, Australia. Penholder. No. 1,243,248; Oct. 16; v. 243; p. 638.
- Bosch, Carl, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Manufacture of carbonic-acid compounds of ammonia. No. 1,211,393; Jan. 9; v. 234; p. 382.
- Bosch, Carl, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Absorbing ammonia and apparatus therefor. No. 1,216,059; Feb. 13; v. 235; p. 593.
- Bosch, Carl, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing ammonia. No. 1,243,382; Oct. 16; v. 243; p. 677.
- Bosch, Carl, and A. Mittasch, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Catalytic production of ammonia. No. 1,225,755; May 15; v. 238; p. 661.
- Bosch, Carl, and A. Mittasch, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing ammonia. No. 1,244,580; Oct. 30; v. 243; p. 1114.
- Bosch, Carl, A. Mittasch, and C. Beck, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Catalyzer. No. 1,211,394; Jan. 9; v. 234; p. 382.
- Bosch, Carl, A. Mittasch, and C. Schneider, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Hydrogenization and dehydrogenization of compounds containing carbon. No. 1,215,334; Feb. 13; v. 235; p. 331.
- Bosch, Carl, A. Mittasch, and C. Schneider, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Hydrogenization and dehydrogenization of carbon compounds. No. 1,215,335; Feb. 13; v. 235; p. 331.
- Bosch, Carl, A. Mittasch, and C. Schneider, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Hydrogenization and dehydrogenization of carbon compounds. No. 1,216,933; Feb. 20; v. 235; p. 947.
- Bosch, Edward M., Winnemucca, Nev. Stem for swinging watchcases. No. 1,214,994; Feb. 6; v. 235; p. 181.
- Bosch Magneto Company. (See Heins, Otto, assignor.)
- Bosch Magneto Company. (See Heins and Klierath, assignors.)
- Bosch Magneto Company. (See Heins and Wild, assignors.)
- Bosch Magneto Company. (See Naul, James M., assignor.)
- Bosch Magneto Company. (See Schwarzmann, Wolfgang E., assignor.)
- Bosch Magneto Company. (See Schwarzmann and Wild, assignors.)
- Bosch, Firm of Robert. (See Honold, Gottlob, assignor.)
- Bosch, Firm of Robert. (See Honold and Conzelmann, assignors.)
- Bosch, Firm of Robert. (See Kleintert, Karl, assignor.)
- Bosch, Firm of Robert. (See Kratz, Franz, assignor.)
- Bosch, Firm of Robert. (See Rall, Max, assignor.)
- Bosch, Firm of Robert. (See Starker, Heinrich, assignor.)
- Bosch, Firm of Robert. (See Woerner, Eugen, assignor.)

Alphabetical list of patentees—Continued.

- Bosenbury, Joseph M., Peoria, Ill., assignor of one-half to C. O. Birney, Mount Healthy, Ohio. Automatically-operated circuit-breaker. No. 1,228,395; June 5; v. 239; p. 7.
- Bosler, George A., Chicago, Ill. Automobile-door opener. No. 1,214,488; Jan. 30; v. 234; p. 1548.
- Bosma, Egbert J., New Holstein, Wis. Apparatus for molding hollow concrete walls. No. 1,246,532; Nov. 13; v. 244; p. 446.
- Bosnyakovits, Joseph, assignor of one-sixth to J. S. Kunkle, one-sixth to E. J. Baechle, and one-sixth to C. W. Roberts, Philadelphia, Pa. Ball-bearing. No. 1,235,102; July 31; v. 240; p. 1296.
- Boss, Addy A., assignor of one-half to G. Greisch, Detroit, Mich. Flushing-tank for water-closets. No. 1,247,211; Nov. 20; v. 244; p. 681.
- Boss Manufacturing Company. (See Möller, Johan P., assignor.)
- Bosselmann, John Q., Philadelphia, Pa. Dispensing-can. No. 1,243,801; Oct. 23; v. 243; p. 841.
- Bossert, Charles V., assignor to Louis Bossert & Sons, Inc., New York, N. Y. Portable house. No. 1,249,011; Dec. 4; v. 245; p. 169.
- Bossert, Harry A., Cassville, Wis. Dirigible headlight. No. 1,243,584; Oct. 16; v. 243; p. 737.
- Bosson, August H., Charleroi, assignor to Macbeth-Evans Glass Company, Pittsburgh, Pa. Glass-blocking machine. No. 1,217,142; Feb. 27; v. 235; p. 1064.
- Bosson, Frederick N., Calumet, Mich., and L. B. Armstrong, Milwaukee, Wis. Shock-absorber for batteries. No. 1,224,439; May 1; v. 238; p. 118.
- Bosson, Frederick N., Calumet, Mich., and L. B. Armstrong, Milwaukee, Wis. Shock-absorber for batteries. No. 1,235,648; Aug. 7; v. 241; p. 39.
- Bossu, Pierre, assignor to Société Anonyme Des Etablissements L. Bleriot, Paris, France. Siren. No. 1,213,732; Jan. 23; v. 234; p. 1259.
- Bossu, Pierre, assignor to Société Anonyme des Etablissements L. Bleriot, Paris, France. Electromagnet. No. 1,242,763; Oct. 9; v. 243; p. 452.
- Bostaph Engineering Company. (See Ramage, Alexander S., assignor.)
- Bostock, Edgar H., Nutley, N. J., assignor of one-half to Mansfield & Co., New York, N. Y. Precautionary sign. No. 1,221,277; Apr. 3; v. 237; p. 98.
- Bostock, Henry D., Jacksonville, Fla. Egg-preserving compound. No. 1,212,445; Jan. 16; v. 234; p. 778.
- Boston Floating Hospital, The. (See Bosworth, Alfred W., assignor.)
- Boston, Henry L. (See Lane and Boston.)
- Boston, Jess G., Chicago, Ill. Combined knife and sharpening-stone. No. 1,232,886; July 10; v. 240; p. 481.
- Boston Last Company. (See Chandler, Edwin N., assignor.)
- Boston Last Company. (See Leighton, Arthur M., assignor.)
- Boston Lock-Nut Company. (See Sleeper, Otis H., assignor.)
- Boston Machine Works Company. (See Smith, William E., assignor.)
- Boston Machine Works Company. (See Staples, John F., assignor.)
- Boston Pencil Pointer Company. (See Wilson, Allen P., assignor.)
- Boston Rubber Shoe Company. (See Clark, Myron H., assignor.)
- Boston Rubber Shoe Company. (See Randall, Chester J., assignor.)
- Boston Woven Hose & Rubber Co. (See McGeouch, William P., assignor.)
- Boston Wrench Co. (See Walden, Frederick E., assignor.)
- Bostwick, Rolla B., Cleveland, Ohio. Filler for tires. No. 1,232,887; July 10; v. 240; p. 481.
- Boswell, Fletcher O., assignor to F. O. B. Manufacturing Company, Philadelphia, Pa. Vehicle suspension and shock-absorber. No. 1,228,644; June 5; v. 239; p. 91.
- Boswell, Fletcher O., assignor to F. O. B. Mfg. Co., Philadelphia, Pa. Locking mechanism for automobiles and attachments thereof. No. 1,232,648; July 10; v. 240; p. 400.
- Boswell, Fletcher O., assignor to F. O. B. Manufacturing Co., Philadelphia, Pa. Vehicle suspension and shock-absorber. No. 1,243,694; Oct. 23; v. 243; p. 804.
- Boswell, George C., (See Massicotte and Boswell.)
- Boswell, George G. F., Indianapolis, Ind. Shock-absorber. No. 1,242,316; Oct. 9; v. 243; p. 310.
- Boswell, George G. F., assignor to Universal Coin Lock Company, Indianapolis, Ind. Coin-controlled lock. No. 1,230,062; June 12; v. 239; p. 612.
- Boswell, Robert A., Washington, D. C. Printing or post-marking machine. No. 1,243,802; Oct. 23; v. 243; p. 842.
- Boswell, Roy L., and H. E. Martin, Tate, Nebr. Collapsible shipping-case. No. 1,228,287; May 29; v. 238; p. 1577.
- Bosworth, Alfred W., Milton, assignor to The Boston Floating Hospital, Boston, Mass. Milk-serum powder and making same. No. 1,246,858; Nov. 20; v. 244; p. 579.
- Bosworth, Birney B., New York, N. Y. Sheave-block. No. 1,243,585; Oct. 16; v. 243; p. 738.
- Bosworth, George P., Central Falls, assignor to Hemphill Mfg. Co., Pawtucket, R. I. Spring-needle knitting-machine. No. 1,235,545; Aug. 7; v. 241; p. 4.
- Bosworth, Harry J., Chicago, Ill. Electric-lamp support. No. 1,246,533; Nov. 13; v. 244; p. 447.
- Both, Tonjes A. C., Malden, assignor to The Zee Socket & Mfg. Co., Boston, Mass. Electric-light socket. No. 1,214,644; Feb. 6; v. 235; p. 57.
- Both, Tonjes A. C., Malden, assignor to The Zee Socket and Manufacturing Company, Boston, Mass. Universal flush receptacle and plug. No. 1,219,908; Mar. 20; v. 236; p. 769.
- Both, Tonjes A. C., Stratford, Conn., assignor to Zee-socket and Mfg. Company, Boston, Mass. Electric-light socket. No. 1,230,848; June 26; v. 239; p. 952.
- Botham, George W., Madison, Wis. Stock-tank heater. No. 1,234,695; July 24; v. 240; p. 1135.
- Bothwell, Henry R. (See Newman and Bothwell.)
- Bott, Walter C. (See Clemens and Bott.)
- Bottom, Jacob L., McIntosh, Minn. Animal-releasing device. No. 1,247,626; Nov. 27; v. 244; p. 830.
- Botten, William H., assignor to The Owen Bucket Company, Cleveland, Ohio. Grab-bucket. No. 1,223,309; Apr. 17; v. 237; p. 874.
- Botten, William H., assignor to The Owen Bucket Company, Cleveland, Ohio. Grab-bucket. No. 1,248,605; Dec. 4; v. 245; p. 53.
- Bottenfeld, Sydney T., assignor to The Bottenfeld Tire Company, Cleveland, Ohio. Tire. No. 1,235,421; July 31; v. 240; p. 1391.
- Bottenfeld Tire Company, The. (See Bottenfeld, Sydney T., assignor.)
- Bottger, Walter F., Alexandria, Va. Gearing. No. 1,237,158; Aug. 14; v. 241; p. 556.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifold device. No. 1,217,399; Feb. 27; v. 235; p. 1157.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifold sales-book. No. 1,236,665; Aug. 14; v. 241; p. 399.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifold sales-book. No. 1,236,666; Aug. 14; v. 241; p. 399.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifold sales-book. No. 1,243,695; Oct. 23; v. 243; p. 804.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Ticket-case. No. 1,249,309; Dec. 11; v. 245; p. 286.
- Bottle, Edward K., Elmira, N. Y., assignor to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifold sales-book. No. 1,249,310; Dec. 11; v. 245; p. 286.
- Botto, Charles F., Philadelphia, Pa. Tube cutting and threading tool. No. 1,216,772; Feb. 20; v. 235; p. 894.
- Bottone, Turner D., Indianapolis, Ind. Carbureting air. No. 1,230,101; June 19; v. 239; p. 664.
- Bottomlee, John T., Sparta, Tenn. Needle cap plate for sewing-machines. No. 1,243,249; Oct. 16; v. 243; p. 638.
- Bottum, Alfred W., Englewood, N. J. Reading-box for punched cards. No. 1,230,102; June 19; v. 239; p. 664.
- Bottum, George L., Chicago, Ill. Combined valve device for hot-water heating systems. No. 1,213,831; Jan. 30; v. 234; p. 1323.
- Bottume, Frank W. (See Gates and Bottume.)
- Bottume, Marcus S. (See Gates, William, assignor.)
- Bottume, Marcus S. (See Gates and Bottume, assignors.)
- Botty, Henry C., Jr., and C. M. Prior, New York, N. Y. Smoker's stand. No. 1,237,014; Aug. 14; v. 241; p. 511.
- Botz, Konrad, New York, N. Y., assignor of one-fourth to H. E. Miller and one-fourth to F. S. Smith, Halifax county, N. C. Automatic car-brake. No. 1,235,103; July 31; v. 240; p. 1296.
- Bouch, Horace W., Sidney, Pa. Rail-joint. No. 1,217,400; Feb. 27; v. 235; p. 1152.
- Bouchane, Edmond, Pittsfield, Mass. Ice-cutter. No. 1,224,840; May 1; v. 238; p. 257.
- Bouchard, Auguste C. A., Nice, France. Device for automatically controlling lighting-gas conduits, electric circuits, and the like. No. 1,240,535; Sept. 18; v. 242; p. 640.
- Bouchard, Elmer R., assignor of one-half to G. Parker, Knowles, Okla. Pitman. No. 1,225,756; May 15; v. 238; p. 661.
- Bouché, William F., Buffalo, N. Y., assignor to Gould Coupler Company, Buffalo, N. Y. Dynamo suspension. No. 1,241,492; Oct. 2; v. 243; p. 5.
- Bouché, William F., Depew, N. Y., assignor to Gould Coupler Company, Buffalo, N. Y. Dynamo suspension. No. 1,242,513; Oct. 9; v. 243; p. 371.
- Boucher, Otis L., Snyder, Okla. Body-armor. No. 1,210,407; Jan. 2; v. 234; p. 9.
- Boucher, Pierre J., Chelsea, London, England. Machine for sealing receptacles. No. 1,230,849; June 26; v. 239; p. 952.
- Bouchery, August, Brooklyn, N. Y. Lock. No. 1,215,470; Feb. 13; v. 235; p. 377.
- Bouchery, August, Brooklyn, N. Y. Connecting-plug. No. 1,217,143; Feb. 27; v. 235; p. 1064.

- Bouda, Bohumil, Austin, Minn. Steam and gas boiler. No. 1,238,877; Sept. 4; v. 242; p. 51.
- Boudreaux, Hamilton J., assignor of one-half to J. H. Loeb, Morgan City, La. Wheel. No. 1,223,140; Apr. 17; v. 237; p. 820.
- Boudreau, Henry L. (See De Vilbiss, John A., assignor.)
- Boudreau, Jeremiah J., Tomahawk, Wis. Fish gaff or spear. No. 1,227,035; May 22; v. 238; p. 1131.
- Boudreau, John B., Jr., Worcester, Mass. Rotary engine. No. 1,231,995; July 3; v. 240; p. 153.
- Boudwin, Walker J., assignor of one-half to The General Engineering Company, Salt Lake City, Utah. Feeding-drum. No. 1,221,136; Apr. 3; v. 237; p. 47.
- Bouëry, Pierre, Weaverville, Cal. Protective device for water-channels. No. 1,230,457; June 19; v. 239; p. 782.
- Bouëry, Pierre, Weaverville, Cal. Controller for nozzles. No. 1,230,458; June 19; v. 239; p. 783.
- Boughton, Fred W., Boston, Mass. Slide-up turnover door. No. 1,216,202; Feb. 13; v. 235; p. 643.
- Boughton, Roger C., Fresno, Cal. Combination pencil-clip and pencil-sharpener. No. 1,218,741; Mar. 13; v. 236; p. 334.
- Boulanger, dit Deval, Abel, Paris, France. Movable plate applicable to the manufacture of positive cinematograph-films and obtaining the same. No. 1,212,446; Jan. 16; v. 234; p. 778.
- Boulanger dit Deval, Abel, Paris, France. Improving photographic negatives. No. 1,245,152; Nov. 6; v. 244; p. 4.
- Boullet, Rene W., Oakland, Cal. Saw setting and filing machine. No. 1,245,430; Nov. 6; v. 244; p. 86.
- Boulton, Carson B., Oklahoma, Okla. Trousers-stretcher. No. 1,250,783; Dec. 18; v. 245; p. 757.
- Bouma, Benjamin T., assignor to N. M. Bouma, Lynnville, Iowa. Poultry-roost. No. 1,246,705; Nov. 13; v. 244; p. 497.
- Bouma, N. M. (See Bouma, Benjamin T., assignor.)
- Bound Brook Engine & Mfg. Co. (See Hensley, William T., assignor.)
- Bound Brook Oil-Less Bearing Company. (See Bache, Leigh S., assignor.)
- Bound Brook Oil-Less Bearing Company. (See Hickman, Francis, assignor.)
- Bour, Charles J. (See Lahart, Bour, and Harriman.)
- Bourdeau, Leon N., Rock Island, Ill. Ladder-jack. No. 1,226,853; May 22; v. 238; p. 1068.
- Bourdeau, Leon N., Rock Island, assignor of one-third to J. A. Hoerler, Erie, Ill. Ladder-step bracket. No. 1,234,615; July 24; v. 240; p. 1112.
- Bourdelat, George P., Aberdeen, N. C. Hair-cutting machine. No. 1,238,061; Aug. 21; v. 241; p. 882.
- Bourdelat, George P., Aberdeen, N. C. Signal-lamp. No. 1,246,706; Nov. 13; v. 244; p. 497.
- Bourdellès, Émile A. L., assignor to Société Anonyme Des Etablissements Delaunay-Belleville, St.-Denis, France. Gun-carriage of a wide firing-angle. No. 1,223,931; Apr. 24; v. 237; p. 1127.
- Bourdon, Allen P. (See Bourdon, Leo R. and A. P.)
- Bourdon, Leo R. and A. P., Woodstock, Vt., assignors to Woodstock Manufacturing Company, Incorporated. Steering device for sleds. No. 1,242,514; Oct. 9; v. 243; p. 372.
- Bourek, Thomas J., Helena, Mont. Tea-canister. No. 1,212,892; Jan. 16; v. 234; p. 934.
- Bourges, Albert R., Chicago, Ill. Preparing printing-plates. No. 1,237,238; Aug. 14; v. 241; p. 581.
- Bourgoin, Francis W., St. Louis, Mo. Crispette-machine. No. 1,232,192; July 3; v. 240; p. 220.
- Bourn, Stephen W., Providence, R. I. Sole for rubber shoes. No. 1,214,889; Feb. 6; v. 235; p. 142.
- Bournonville, Eugene M., Jersey City, N. J. Internal-combustion engine. No. 1,229,574; June 12; v. 239; p. 455.
- Bournonville, Eugene M., Jersey City, N. J. Rotary valve for internal-combustion engines. No. 1,250,548; Dec. 18; v. 245; p. 688.
- Bourque, Joseph N., Thetford Mines, Quebec, Canada. Drying apparatus for asbestos or other material. No. 1,222,841; Apr. 17; v. 237; p. 716.
- Bourquin, Numa. (See Willson and Bourquin.)
- Bourret, Alfred, St. Joseph, Quebec, Canada. Harrow. No. 1,218,833; Mar. 13; v. 236; p. 368.
- Bousfield, Charlie J., Bay City, Mich. Device for removing puppet-valves. No. 1,245,667; Nov. 6; v. 244; p. 160.
- Bousfield, John H. A., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Scale construction. No. 1,229,215; June 12; v. 239; p. 332.
- Bousfield, John H. A., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Test-weight car. No. 1,230,850; June 26; v. 239; p. 952.
- Bousfield, John H. A., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Automatic scale. No. 1,230,851; June 26; v. 239; p. 953.
- Boushor, Roger A. (See Dillon, Joseph P., assignor.)
- Bousquet, Antoine T., Worcester, Mass. Roll-paper starter. No. 1,249,311; Dec. 11; v. 245; p. 287.
- Boutard, Louis, assignor to Société Générale Meulière, La Ferté-sous-Jouarre, France. Grinding-mill. No. 1,224,354; May 1; v. 238; p. 87.
- Boutelle, William A., Providence, R. I. Pipe-cover. No. 1,236,398; Aug. 14; v. 241; p. 309.
- Boutiller, Wilbert, Lawrence, Mass. Figure toy. No. 1,235,422; July 31; v. 240; p. 1391.
- Bouton, Edward, Jr., Los Angeles, Cal. Method of and means for maintaining internal-combustion chambers at efficient temperatures. No. 1,226,180; May 15; v. 238; p. 805.
- Bouvin, Karl T., assignor to Nya Aktiebolaget Terracotta, Mölndal, Sweden. Apparatus for preparing and distributing of aerated drinks or similar fluids. No. 1,246,227; Nov. 13; v. 244; p. 354.
- Bouwmeester, Bernard J., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Vacuum-cleaner or combined vacuum-cleaner and carpet-sweeper. No. 1,231,696; July 3; v. 240; p. 54.
- Bouzo, Manuel, Habana, Cuba. Colter. No. 1,221,503; Apr. 3; v. 237; p. 177.
- Bouzo, Manuel, Habana, Cuba. Loading apparatus. No. 1,221,504; Apr. 3; v. 237; p. 177.
- Boyard, Floyd G., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley-wire hanger. No. 1,250,952; Dec. 25; v. 245; p. 858.
- Boyard, William P., assignor to The Ohio Brass Company, Mansfield, Ohio. Manufacturing electrical conductors. No. 1,220,596; Mar. 27; v. 236; p. 1050.
- Boyé, Ramon, New York, N. Y. Hair-curling apparatus. No. 1,236,818; Aug. 14; v. 241; p. 450.
- Bovey, Ransom Y., Bloomington, Ill. Wrench. No. 1,240,171; Sept. 18; v. 242; p. 525.
- Bovey, Ransom Y., Bloomington, assignor of one-half to J. B. Farquhar, Chicago, Ill. Garment-hanger. No. 1,229,707; June 12; v. 239; p. 498.
- Boving, Paul C., Philadelphia, Pa. Composition for tile. No. 1,210,756; Jan. 2; v. 234; p. 130.
- Boving, Paul C., Philadelphia, Pa. Laying mineral-composition floors. No. 1,218,622; Mar. 13; v. 236; p. 291.
- Bowden, Junius A., Los Angeles, Cal. Steering-wheel-locking means for automobiles. No. 1,224,440; May 1; v. 238; p. 118.
- Bowden, Junius A., Los Angeles, Cal. Steering-wheel-locking means for automobiles. No. 1,225,697; May 8; v. 238; p. 597.
- Bowden, Junius A., Los Angeles, Cal., assignor to A. Schrader's Son, Incorporated, New York, N. Y. Tire-valve. No. 1,214,004; Jan. 30; v. 234; p. 1383.
- Bowdidge, Frederick C., and P. C. McMullen, Albany, N. Y. Illuminated display apparatus. No. 1,238,739; Sept. 4; v. 242; p. 6.
- Bowdish, Beecher S., Demarest, N. J. Food-holding device for birds. No. 1,221,019; Apr. 3; v. 237; p. 6.
- Bowditch, Charles H., assignor to H. B. Auchy, Erdenheim, Pa. Portable horse-hanger and coupling for carousels. No. 1,230,103; June 19; v. 239; p. 665.
- Bowditch, Charles H., assignor to H. B. Auchy, Erdenheim, Pa. Cornice-lock for carousels. No. 1,230,104; June 19; v. 239; p. 665.
- Bowe, David W., Toledo, Ohio. Molding apparatus for fence-posts. No. 1,216,934; Feb. 20; v. 235; p. 948.
- Bowe, David W., Toledo, Ohio. Post-reinforcement. No. 1,237,159; Aug. 14; v. 241; p. 556.
- Bowe, David W., Toledo, Ohio. Molding cap or cover. No. 1,237,160; Aug. 14; v. 241; p. 556.
- Bowen, Antone A., and R. M. Pettus, Fresno, Cal. Sanitary toilet. No. 1,236,902; Aug. 14; v. 241; p. 475.
- Bowen, Arthur L., Chicago, Ill. Toy moving-picture theater. No. 1,237,161; Aug. 14; v. 241; p. 557.
- Bowen, Benjamin F., Richmond, Cal. Bicycle-skate. No. 1,241,607; Oct. 2; v. 243; p. 45.
- Bowen, Charles B. (See Kaiser, William G., assignor.)
- Bowen, David R., assignor to Farrel Foundry & Machine Company, Ansonia, Conn. Clutch for roll-driving mechanism. No. 1,225,309; May 8; v. 238; p. 467.
- Bowen, Frank J., assignor of one-third to F. C. McCoy and one-third to P. G. Duggan, Utica, N. Y. Calibrating-machine. No. 1,244,023; Oct. 23; v. 243; p. 909.
- Bowen, Frank M., Syracuse, N. Y. Direction-indicator for automobiles. No. 1,223,250; Apr. 17; v. 237; p. 855.
- Bowen, George H., Jr., Toronto, Ontario, Canada. Differential-pressure mechanism. No. 1,236,399; Aug. 14; v. 241; p. 310.
- Bowen, George H., Jr., Toronto, Ontario, Canada, assignor to American Graphophone Company, Bridgeport, Conn. Self-releasing lid-support. No. 1,214,890; Feb. 6; v. 235; p. 142.
- Bowen, George W. (See Bacon, Chester A., assignor.)
- Bowen, George W. (See Drake, George W., assignor.)
- Bowen, George W. (See Holl, Adolph W., assignor.)
- Bowen, George W. (See Zerk, Oscar, assignor.)
- Bowen, James R., Ottawa, Ontario, Canada. Device for rifle and machine-gun instruction. No. 1,212,737; Jan. 16; v. 234; p. 884.
- Bowen, John E., et al. (See Harlow, Eldon E., assignor.)
- Bowen, John W. (See Hill, James M., assignor.)
- Bowen, Leslie G., Kansas City, Mo. Oil-saver. No. 1,215,244; Feb. 6; v. 235; p. 266.
- Bowen, Martin L., New Eagle, Pa. Mail-bag catching and delivering device. No. 1,214,127; Jan. 30; v. 234; p. 1424.
- Bowen, Philip A., assignor to L. E. Little, Lynn, Mass. Lasting-machine. No. 1,223,363; Apr. 24; v. 237; p. 926.
- Bowen, Philip A., assignor to L. A. Little, Lynn, Mass. Sewing-machine. No. 1,250,272; Dec. 18; v. 245; p. 605.

Alphabetical list of patentees—Continued.

- Bowen, Robert J., Winston-Salem, N. C. Device for transporting pianos and the like. No. 1,245,560; Nov. 6; v. 244; p. 127.
- Rowen, William S. (See Royer and Bowen.)
- Bower, Bert H., assignor of one-third to J. W. Inch and one-third to J. S. Zuckerman, Gloversville, N. Y. Foot-rest and foot-warmer. No. 1,240,301; Sept. 18; v. 242; p. 567.
- Bower, Byron B., Bainbridge, Ga. Steam-turbine. No. 1,218,834; Mar. 13; v. 236; p. 369.
- Bower, Ferdinand A., Flint, assignor to General Motors Company, Detroit, Mich. Differential gearing. No. 1,226,854; May 22; v. 238; p. 1068.
- Bower, Harry A., Boston, Mass. Spare attachment for drums. No. 1,236,667; Aug. 14; v. 241; p. 400.
- Bower, John F., Williamsport, Pa. Poultry-feeder. No. 1,216,203; Feb. 13; v. 235; p. 644.
- Bower, John H. (See Bower, William P. and J. H.)
- Bower, Keith A., Shelburne, Nova Scotia, Canada. Tire-holder. No. 1,231,480; June 26; v. 239; p. 1163.
- Bower, Robert L., Mullens, Wyo. Folding dough-board and biscuit-cutter. No. 1,228,288; May 29; v. 238; p. 1578.
- Bower, William P. and J. H., Milwaukee, Wis. Flying toy. No. 1,218,835; Mar. 13; v. 236; p. 369.
- Bowerman, Frank. (See Cohen, Nathan, assignor.)
- Bowers, Benjamin S., Laprairie, Minn. Electric switch. No. 1,211,281; Jan. 2; v. 234; p. 312.
- Bowers, George W., Mannington, W. Va. Multiple mold. No. 1,229,873; June 12; v. 239; p. 554.
- Bowers, George W., Somerville, assignor to Broadfield Poultry Farm, Inc., Bolton, Mass. Machine for making fillers for egg-cases. No. 1,249,715; Dec. 11; v. 245; p. 403.
- Bowers, George W., Somerville, assignor to Broadfield Poultry Farm, Inc., Bolton, Mass. Strip-feeding device. No. 1,251,331; Dec. 25; v. 245; p. 969.
- Bowers, John, Jr. (See Turner, George W., assignor.)
- Bowers, Lionel F., assignor to Columbia Manufacturing Company, Columbia, Pa. Hanger. No. 1,229,575; June 12; v. 239; p. 455.
- Bowers, Robert W., York, Pa. Closure for collapsible tubes and the like. No. 1,231,996; July 3; v. 240; p. 154.
- Bowers, Wilder P., Chicago, Ill. Internal-combustion motor. No. 1,245,861; Nov. 6; v. 244; p. 218.
- Bowers, William F. A., Chicago, Ill. Protector for padlocks. No. 1,220,941; Mar. 27; v. 236; p. 1165.
- Bowersock, Hiram T., Lima, Ohio. Automatic railway-signal. No. 1,250,784; Dec. 18; v. 245; p. 751.
- Bowes, John J., Jr., Pensacola, Fla. Hose-coupling. No. 1,232,193; July 3; v. 240; p. 221.
- Bowie, Augustus J., Jr., San Francisco, Cal. Electric switch. No. 1,230,372; June 19; v. 239; p. 754.
- Bowie, George, Herrin, Ill. Carbide-lamp. No. 1,246,534; Nov. 13; v. 244; p. 447.
- Bowker, Thomas F., Fitchburg, Mass., assignor to M. E. Johnson, trustee. Truss for bicycle or motor-cycle frames. No. 1,221,823; Apr. 10; v. 237; p. 318.
- Bowkus, John A., Grand Rapids, Mich. Gas saver and purifier. No. 1,221,278; Apr. 3; v. 237; p. 99.
- Bowl, Walter E., Warborough, Wallingford, England. Lock. No. 1,213,451; Jan. 23; v. 234; p. 1164.
- Bowler, Hezekiah S., Gloversville, N. Y. Removing and replacing storage-battery connectors. No. 1,248,443; Dec. 4; v. 245; p. 5.
- Bowles, Oscar D., Terre Haute, Ind. Universal tractor. No. 1,227,576; May 29; v. 238; p. 1339.
- Bowles, William M., Sapulpa, Okla. Safety-vent for crude-oil-storage tanks. No. 1,238,983; Sept. 4; v. 242; p. 85.
- Bowling, Clarence B., and L. B. Bennett, assignors to Bowling Dental Manufacturing Co., Detroit, Mich. Dental-loss holder. No. 1,250,953; Dec. 25; v. 245; p. 858.
- Bowling Dental Manufacturing Co. (See Bowling and Bennett, assignors.)
- Bowling, James H., Russellville, Ky. Churn. No. 1,231,119; June 26; v. 239; p. 1045.
- Bowling, William R., Selden, Kans. Spring-wheel. No. 1,225,404; May 8; v. 238; p. 500.
- Bowman, Alton H., Allentown, Pa., and H. D. Deshler, Belvidere, N. J. Vending-machine. No. 1,250,785; Dec. 18; v. 245; p. 757.
- Bowman, Carrie O., Mesilla Park, N. Mex. Kitchen-spoon. No. 1,211,062; Jan. 2; v. 234; p. 237.
- Bowman, Charles C., Hinton, W. Va. Automatic train-stop. No. 1,224,841; May 1; v. 238; p. 257.
- Bowman, Charles M., Lebanon, Pa. Railway-track construction. No. 1,213,580; Jan. 23; v. 234; p. 1209.
- Bowman, Charles M., Lebanon, Pa. Composition for producing artificial rust. No. 1,215,471; Feb. 13; v. 235; p. 378.
- Bowman, Dilman S., Kitchener, Ontario, Canada. Stove-pipe. No. 1,249,312; Dec. 11; v. 245; p. 287.
- Bowman, Ervin D. L., Chicago, Ill. Muffler. No. 1,222,723; Apr. 17; v. 237; p. 677.
- Bowman, Frederick J., Cleveland, Ohio. Dust collector. No. 1,235,535; July 31; v. 240; p. 1427.
- Bowman, Frederick J., assignor to The Grasseil Chemical Company, Cleveland, Ohio. Furnace. No. 1,235,003; July 31; v. 240; p. 1267.
- Bowman, Harvey, *et al.* (See Peterson, Charlie, assignor.)
- Rowman, James A. (See Mallins, Henry S., assignor.)
- Bowman, Levi M., Tulsa, Okla. Hydrocarbon-burner. No. 1,241,334; Sept. 25; v. 242; p. 923.
- Bowman, Levi M., Tulsa, assignor of one-half to W. A. Smith, Bartlesville, Okla. Direction-indicator. No. 1,215,901; Feb. 13; v. 235; p. 534.
- Bowman, Levi M., Tulsa, assignor of one-half to W. A. Smith, Bartlesville, Okla. Gun. No. 1,241,333; Sept. 25; v. 242; p. 923.
- Bowman, Levi M., and W. A. Smith, Tulsa, Okla. Electrical gun. No. 1,239,344; Sept. 4; v. 242; p. 199.
- Bowman, M. T. (See McGonigal, Jerome T., assignor.)
- Bowman, Newton K., North Lawrence, Ohio. Switch-operating mechanism. No. 1,216,935; Feb. 20; v. 235; p. 948.
- Bowman, Newton K., North Lawrence, Ohio. Sectional insulator and hand-switch. No. 1,235,763; Aug. 7; v. 241; p. 76.
- Bowman, Tura, Uehling, Nebr. Clothes-pin. No. 1,234,125; July 24; v. 240; p. 952.
- Bowman, William F., Decatur, Ill. Window or door frame shield. No. 1,226,743; May 22; v. 238; p. 1030.
- Bowman, William M., Forsyth, Mont. Wrench. No. 1,250,549; Dec. 18; v. 245; p. 688.
- Bown, William, Jr. (See Chaffin, Arthur L., assignor.)
- Bowser, Allen A., Fort Wayne, Ind. Dispensing apparatus. No. 1,248,606; Dec. 4; v. 245; p. 54.
- Bowser, Allen A., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Combined pump and registering-meter. No. 1,250,786; Dec. 18; v. 245; p. 758.
- Bowsher, Rutherford H., Adelphi, Ohio. Artificial tooth. No. 1,223,364; Apr. 24; v. 237; p. 926.
- Bowsher, Rutherford H., Adelphi, Ohio. Artificial tooth. No. 1,230,852; June 26; v. 239; p. 953.
- Bowsher, Rutherford H., Adelphi, Ohio. Artificial tooth. No. 1,230,853; June 26; v. 239; p. 953.
- Bowsman, Charles W., Joliet, Ill. Kiln. No. 1,251,333; Dec. 25; v. 245; p. 969.
- Bowyer, Thomas J., Duluth, Minn. Sewing-machine threading attachment. No. 1,239,765; Sept. 11; v. 242; p. 361.
- Box, Walter, Georgetown, Tex. Internal-combustion engine. No. 1,213,068; Jan. 16; v. 234; p. 995.
- Boxall, Arthur R., Rome, N. Y. Door-operating mechanism. No. 1,238,740; Sept. 4; v. 242; p. 6.
- Boy, Hugh L., Speers Ferry, Va. Railway-tie. No. 1,211,063; Jan. 2; v. 234; p. 237.
- Boyajian, Sarkis H., Melrose, Mass. Arch-supporter for boots and shoes. No. 1,242,317; Oct. 9; v. 243; p. 310.
- Boyce, Edward. (See Brown, Hugh E., assignor.)
- Boyce, Leonora, Yoakum, Tex. Gasolene-tank filler and gage. No. 1,217,693; Feb. 27; v. 235; p. 1258.
- Boyce, Milford W., Kearney, N. J. Locking device for automobiles. No. 1,211,064; Jan. 2; v. 234; p. 237.
- Boyce, Milford W., Kearney, N. J. Locking device for automobiles. No. 1,220,315; Mar. 27; v. 236; p. 951.
- Boyce, William P., Woodland, Cal. Terminal for ventilator-shafts. No. 1,233,021; July 10; v. 240; p. 523.
- Boyce, William S., Pittsburgh, Pa., assignor to The Rail Joint Company. Rail-joint. No. 1,223,251; Apr. 17; v. 237; p. 855.
- Boyce, Wirt B., Chicago, Ill. Roller-shade. No. 1,249,012; Dec. 4; v. 245; p. 169.
- Boyd, Arthur, West Hartlepool, England. Propelling mechanism for vehicles. No. 1,211,911; Jan. 9; v. 234; p. 563.
- Boyd, Austin C., Reynoldstown, Md. Brake mechanism for motor-vehicles. No. 1,243,696; Oct. 23; v. 243; p. 805.
- Boyd, Charles A., Margaretville, N. Y. Exercising device. No. 1,222,924; Apr. 17; v. 237; p. 745.
- Boyd, Clarence A., Milwaukee, Wis. Tire-removing tool. No. 1,239,454; Sept. 11; v. 242; p. 263.
- Boyd, Geo. D., *et al.* (See Sartain, Louis M., assignor.)
- Boyd, Hamilton K., Pittsburgh, Pa., assignor of one-half to E. H. Ohlendorf, Mims, Fla. Gas-heater. No. 1,228,289; May 29; v. 238; p. 1578.
- Boyd, Harcourt W., Chicago, Ill. Automatic pocket-closer. No. 1,224,842; May 1; v. 238; p. 258.
- Boyd, James, Portland, Mich. Spring-hinge. No. 1,236,536; Aug. 14; v. 241; p. 356.
- Boyd, James H., assignor to The Whitin Machine Works, Whitinsville, Mass. Traverse-motion for spinning and winding machines. No. 1,235,958; Aug. 7; v. 241; p. 141.
- Boyd, John, assignor of one-half to J. Glover & Sons, Glasgow, Scotland. Book-holder. No. 1,246,859; Nov. 20; v. 244; p. 579.
- Boyd, John R., Asheville, N. C. Roofing-bracket. No. 1,241,335; Sept. 25; v. 242; p. 923.
- Boyd, John T., Hackensack, N. J. Curtain-manipulating means. No. 1,249,013; Dec. 4; v. 245; p. 170.
- Boyd, John W., Annawan, Ill. Field and road drag. No. 1,245,431; Nov. 6; v. 244; p. 86.
- Boyd, Peter, Beaver, and A. M. Saunders, McKeesport, assignors to National Tube Company, Pittsburgh, Pa. Well-casing. No. 1,225,005; May 8; v. 238; p. 364.
- Boyd, Samuel A. (See Sons, Ernest L., assignor.)
- Boyd, Samuel A., Charleston, W. Va. Gas-burner for steam-boilers. No. 1,219,072; Mar. 13; v. 236; p. 450.
- Boyd, Samuel M., *et al.* (See Kirby, John, assignor.)

- Boyd, Ura M., Dallas, Tex. Telephone signal device. No. 1,211,534; Jan. 9; v. 234; p. 430.
- Boyd, William, and A. L. and J. J. Delapp, Okmulgee, Okla. Header-barge. No. 1,212,893; Jan. 16; v. 234; p. 935.
- Boyd, William A., assignor to First National Bank, Syracuse, N. Y. Desk. No. 1,232,649; July 10; v. 240; p. 401.
- Boyd, William H., Chicago, Ill. Oil-burner. No. 1,223,141; Apr. 17; v. 237; p. 820.
- Boyd, Wyatt, Canton, Ohio. Internal-combustion engine. No. 1,229,216; June 12; v. 239; p. 232.
- Boyden, Edward E., Amsterdam, N. Y. Window-cleaner. No. 1,234,441; July 24; v. 240; p. 1057.
- Boyden, George A., Jr., Baltimore, Md. Combined engine and pump. No. 1,250,423; Dec. 18; v. 245; p. 650.
- Boyden, Nathaniel N., assignor of one-half to W. S. Murrian, Knoxville, Tenn. Blow-off valve. No. 1,214,645; Feb. 6; v. 235; p. 57.
- Boye, James H., Chicago, Ill. Curtain-hanger. No. 1,229,874; June 12; v. 239; p. 554.
- Boye, James H., assignor to The Boye Needle Company, Chicago, Ill. Curtain-rod. No. 1,214,995; Feb. 6; v. 235; p. 182.
- Boye, James H., assignor to The Boye Needle Company, Chicago, Ill. Pencil-sharpener. No. 1,214,996; Feb. 6; v. 235; p. 182.
- Boye, James H., assignor to The Boye Needle Company, Chicago, Ill. Tatting-shuttle. No. 1,221,176; Apr. 10; v. 237; p. 443.
- Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Sash-lock. No. 1,221,824; Apr. 10; v. 237; p. 318.
- Boye, James H., assignor to James H. Boye Manufacturing Company, Chicago, Ill. Curtain-hanger. No. 1,246,046; Nov. 13; v. 244; p. 300.
- Boye Needle Company, The. (See Carlson, Gustaf A., assignor.)
- Boye Needle Company, The. (See Chubbick, Harve R., assignor.)
- Boye Needle Company, The. (See Boye, James H., assignor.)
- Boye Needle Company, The. (See Needham, John L., assignor.)
- Boyer, Alexander K. (See Addison, William J., assignor.)
- Boyer, Charles T., Indianapolis, Ind. Fruit-holding tray. No. 1,250,954; Dec. 25; v. 245; p. 858.
- Boyer, Edmund S., Exeter, N. H. Light-holder. No. 1,221,664; Apr. 3; v. 237; p. 230.
- Boyer, Harry L., assignor to Joseph Stokes Rubber Company, Trenton, N. J. Method of and apparatus for stripping rubber jaws from cores. No. 1,251,175; Dec. 25; v. 245; p. 923.
- Boyer, Orin N., Ontario, Oreg. Automatic scale-weight fruit and vegetable sizer. No. 1,222,842; Apr. 17; v. 237; p. 716.
- Boyer, Richard M., assignor of one-half to C. Hoover, Oskaloosa, Iowa. Cylinder-harrow. No. 1,246,388; Nov. 13; v. 244; p. 403.
- Boyer, Samuel, Portland, Oreg. Vehicle-signal. No. 1,219,233; Mar. 13; v. 236; p. 505.
- Boyer, Warren L., Longmeadow, assignor to Bemis Car Truck Company, Springfield, Mass. Retainer. No. 1,226,744; May 22; v. 238; p. 1030.
- Boyer, Willard E. (See Denney, William J., assignor.)
- Boyer, William E., Beebe, Ark. Fence-wire joint. No. 1,225,216; May 8; v. 238; p. 484.
- Boyer, William R., Philadelphia, Pa. Stop mechanism for phonographs. No. 1,225,217; May 8; v. 238; p. 435.
- Boyet, James V., and T. E., Mobile, Ala. Automatic safety starter-lock for automobile-engines. No. 1,235,423; July 31; v. 240; p. 1392.
- Boyet, Thomas E. (See Boyett, James V. and T. E.)
- Boyken, John A. (See Alheit and Boyken.)
- Boyle, Edgar W., *et al.* (See Mahan, Leonard D., assignor.)
- Boyle, Harry L., Oakland, Cal. Rail-clip. No. 1,227,526; May 22; v. 238; p. 1294.
- Boyle, James L. (See Crerar, George, assignor.)
- Boyle, John B., Crozet, Va. Attachment for rocking-chairs. No. 1,233,747; July 17; v. 240; p. 795.
- Boyle, John R., Beloit, Wis. Toilet-paper holder. No. 1,226,453; May 15; v. 238; p. 897.
- Boyle, Richard B., *et al.* (See Mahan, Leonard D., assignor.)
- Boyle, Willis J., Sr., Los Angeles, Cal. Container. No. 1,230,459; June 19; v. 239; p. 783.
- Boyles, Andrew J., Jackson, Miss. Syrup-pitcher. No. 1,241,912; Oct. 2; v. 243; p. 142.
- Boyles, Carl J., Overton, Nebr. Hand-stamp. No. 1,235,424; July 31; v. 240; p. 1392.
- Boyles, Homer A., Wichita Falls, Tex. Tramping mechanism. No. 1,236,537; Aug. 14; v. 241; p. 356.
- Boynton, Amos W., Fort Worth, Tex. Sash-holder. No. 1,246,707; Nov. 13; v. 244; p. 493.
- Boynton, Arthur J., Lorain, Ohio. Checkerwork for hot-blast stoves. No. 1,243,484; Oct. 16; v. 243; p. 703.
- Boynton, Arthur J., Lorain, and A. E. Sands, Akron, Ohio. Sintering. No. 1,245,183; Nov. 6; v. 244; p. 12.
- Boynton, Frederick R., assignor of one-third to P. Allen, Providence, R. I. Wind-shield. No. 1,244,462; Oct. 30; v. 243; p. 1078.
- Boynton, Frederick R., Brooklyn, N. Y., assignor of one-third to P. Allen, Providence, R. I. Wind-shield. No. 1,251,332; Dec. 25; v. 245; p. 969.
- Boynton, George W., Boston, Mass. Device for repairing pneumatic tires. No. 1,222,259; Apr. 10; v. 237; p. 472.
- Boynton, George W., Boston, Mass. Foot-rest for automobile-accelerators. No. 1,229,023; June 5; v. 239; p. 218.
- Boynton, Paul A., Palatine, Ill. Measuring device. No. 1,226,855; May 22; v. 238; p. 1068.
- Boynton, Willie A., assignor of one-half to G. A. Terrell, Newcastle, Tex. Clothes-pin. No. 1,225,568; May 8; v. 238; p. 555.
- Boys, Charles V. (See Shuman and Boys.)
- Boyer, Robert L., Lakeview, Tex. Tie-wire for insulators. No. 1,215,245; Feb. 6; v. 235; p. 266.
- Boyton, John C., and O. H. Nickerson, Cleveland, Ohio. Weather-cap. No. 1,224,131; May 1; v. 238; p. 5.
- Boyton, John C., and O. H. Nickerson, Cleveland, Ohio. Outlet-box. No. 1,229,576; June 12; v. 239; p. 456.
- Boyton, John C., and O. H. Nickerson, Cleveland, Ohio. Switch-box. No. 1,249,313; Dec. 11; v. 245; p. 288.
- Boyum, Eric E., Hamakupoko, Hawaii. Latch. No. 1,227,034; May 22; v. 238; p. 1131.
- Bozard, Harrison B., Kankakee, assignor to Sears, Roebuck and Company, Chicago, Ill. Agricultural implement. No. 1,238,095; Aug. 28; v. 241; p. 926.
- Boze, Albert, Madisonville, Ohio. Toilet article. No. 1,234,616; July 24; v. 240; p. 1112.
- Bozman, Joseph O., Baltimore, Md. Foot-rest for radiators. No. 1,218,518; Mar. 6; v. 236; p. 217.
- Bozzett, Oliver W., Brooklyn, N. Y., assignor of one-half to J. J. Joyce, Annapolis, Md. Self-acting naval-defense mine. No. 1,248,799; Dec. 4; v. 245; p. 111.
- Brabook, George H., assignor of one-half to A. T. Fletcher, Boston, Mass. Adhesive. No. 1,244,463; Oct. 30; v. 243; p. 1078.
- Brace, Arthur F., Waterford, Pa. Automatic oiler. No. 1,230,658; June 19; v. 239; p. 850.
- Brace, Arthur F., Waterford, Pa. Grader and separator. No. 1,236,256; Aug. 7; v. 241; p. 234.
- Brace, Delbert, Elmira Heights, N. Y. Starting-gear connection for explosive-engines. No. 1,220,492; Mar. 27; v. 236; p. 1014.
- Brace, Porter H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulating device. No. 1,248,444; Dec. 4; v. 245; p. 5.
- Brach, Emil J., Chicago, Ill. Confectionery-machine. No. 1,216,936; Feb. 20; v. 235; p. 948.
- Brach, Leon S., New York, N. Y. Crossing-signal and operating means therefor. No. 1,232,888; July 10; v. 240; p. 481.
- Bracht, Henry, and R. B. Benjamin, assignors to Benjamin-Sellers Manufacturing Company, Chicago, Ill. Changeable exhibitor. No. 1,246,860; Nov. 20; v. 244; p. 580.
- Brackbill, Benjamin F., Philadelphia, Pa. Vehicle-closure. No. 1,232,194; July 3; v. 240; p. 221.
- Bracke, Robert F., assignor of one-third to A. G. McCaleb and one-third to A. C. Ahlberg, Chicago, Ill. Marker for lathes and the like. No. 1,220,597; Mar. 27; v. 236; p. 1050.
- Brackett, Ernest W., assignor to Splitdorf Electrical Company, Newark, N. J. Clutch. No. 1,219,698; Mar. 20; v. 236; p. 696.
- Brackett, George C., assignor of one-half to G. N. Robinson, Denver, Colo. Dust-collector for rock-drills. No. 1,223,027; Apr. 17; v. 237; p. 780.
- Brackin, Arthur W., Letohatchie, Ala. Kerosene attachment for gasoline-engines. No. 1,224,441; May 1; v. 238; p. 118.
- Brackman, T. P., *et al.* (See Speegle, William A., assignor.)
- Bracy, Edward L., Baltimore, Md., assignor to Wright's Automatic Tobacco Packing Machine Company, Durham, N. C. Packaging-machine for tobacco and like materials. No. 1,217,694; Feb. 27; v. 235; p. 1258.
- Bracy, Edward L., Baltimore, Md., assignor to R. H. Wright, Durham, N. C. Pouch-labeler. No. 1,234,722; July 31; v. 240; p. 1179.
- Bracy, Edward L., Baltimore, Md., assignor to R. H. Wright, Durham, N. C. Cigarette-packaging machine. No. 1,247,364; Nov. 20; v. 244; p. 723.
- Bradburn, Charles F., Delmer, Ontario, Canada. Valve. No. 1,215,769; Feb. 13; v. 235; p. 487.
- Bradburn, Charles F., Delmar, Ontario, Canada. Electric heater. No. 1,233,968; July 17; v. 240; p. 868.
- Bradbury, Clifford C., Mount Vernon, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Secrecy system for extension and party-line telephones. No. 1,221,134; Apr. 3; v. 237; p. 46.
- Bradbury, Eben T., St. Louis, Mo. Machine for manufacturing trunk slats, strips, and moldings. No. 1,217,907; Mar. 6; v. 236; p. 7.
- Bradbury, Samuel. (See Perkin and Bradbury.)
- Braddock, Edward I., Winchester, Mass., assignor to Lamb & Nash Company, Kittery, Me. Corner-head. No. 1,247,627; Nov. 27; v. 244; p. 830.
- Braden, Albert R., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Electric heating apparatus. No. 1,210,591; Jan. 2; v. 234; p. 73.
- Braden, Lincoln, Carbon, Cal. Transmission-gearing for mowing-machines. No. 1,226,454; May 15; v. 238; p. 897.

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- Braden, Robert D., Chicago, Ill., and C. D. Wright, Toledo, Ohio. Automobile power-transmitting apparatus. No. 1,243,649; Oct. 16; v. 243; p. 758.
- Bradfield, Joseph L., assignor of one-fourth to A. P. Buchman, Seattle, Wash. Valve-dressing tool. No. 1,235,959; Aug. 7; v. 241; p. 141.
- Bradford, Charles W., Los Angeles, Cal. Antitheft device for contents of gas and other pipe-line systems. No. 1,239,870; Sept. 11; v. 242; p. 397.
- Bradford, Edwin L., Takoma Park, and G. P. Ritter, Washington, D. C., assignors to The McConway & Torley Company, Pittsburgh, Pa. Draft appliance for railway-vehicles. No. 1,234,617; July 24; v. 240; p. 1112.
- Bradley, Charles E., Mishawaka, Ind., assignor to Mishawaka Woolen Manufacturing Company. Form for rubber articles. No. 1,240,931; Sept. 25; v. 242; p. 797.
- Bradley, Charles M., assignor of one-half to J. B. Ellis, Harvey, Ill. Rotary valve for internal-combustion engines. No. 1,229,405; June 12; v. 239; p. 397.
- Bradley, Charles P., Pemberton, N. J. Mechanical horn. No. 1,224,843; May 1; v. 238; p. 258.
- Bradley, Charles S., New York, N. Y. Producer-gas-engine system. No. 1,212,894; Jan. 16; v. 234; p. 935.
- Bradley, Charles S., New York, N. Y. Treating copper-bearing substances. No. 1,236,046; Aug. 7; v. 241; p. 169.
- Bradley, Charles S., New York, N. Y. Production of sodium hydroxid. No. 1,249,314; Dec. 11; v. 245; p. 288.
- Bradley, Charles S., New York, N. Y., assignor to General Electric Company. Power-generating system. No. 1,250,087; Dec. 11; v. 245; p. 510.
- Bradley, Earl H., Higbee, Mo. Folding step for vehicles. No. 1,244,830; Oct. 30; v. 243; p. 1190.
- Bradley, Edward E., assignor to The Atwood Machine Company, Stonington, Conn. Warming-machine. No. 1,218,365; Mar. 6; v. 236; p. 167.
- Bradley, Franklin F., assignor to Bradley & Vrooman Company, Chicago, Ill. Oven. No. 1,211,535; Jan. 9; v. 234; p. 431.
- Bradley, Franklin F., assignor to Bradley & Vrooman Company, Chicago, Ill. Spraying apparatus. No. 1,220,942; Mar. 27; v. 236; p. 1165.
- Bradley, Franklin F., assignor to Bradley & Vrooman Company, Chicago, Ill. Hanger. No. 1,226,856; May 22; v. 238; p. 1069.
- Bradley, Harry, *et al.* (See Myerscough, Thomas L., assignor.)
- Bradley, Harry L. (See Bradley, Lynde and H. L.)
- Bradley, James F., West Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Bead-positioning device. No. 1,241,913; Oct. 2; v. 243; p. 143.
- Bradley, James T. (See Hardwick and Bradley.)
- Bradley, John E., Fort Smith, Ark. Tobacco-pipe. No. 1,243,803; Oct. 23; v. 243; p. 842.
- Bradley, John H., Philadelphia, Pa. Bed-frame. No. 1,218,519; Mar. 6; v. 236; p. 217.
- Bradley, John M., and C. F. Pike, Philadelphia, Pa. Eye-glass-case. No. 1,240,536; Sept. 18; v. 242; p. 641.
- Bradley, Josiah, Brooklyn, assignor to A. Westlake, New York, N. Y. Electric oven. No. 1,233,838; July 17; v. 240; p. 825.
- Bradley, Josiah, Brooklyn, assignor to A. Westlake, New York, N. Y. Self-accommodating crimping-die. No. 1,238,486; Aug. 28; v. 241; p. 1055.
- Bradley, Kate A., Atlantic City, N. J. Game. No. 1,228,090; May 29; v. 238; p. 1515.
- Bradley, Kate A., Atlantic City, N. J. Game. No. 1,228,091; May 29; v. 238; p. 1516.
- Bradley, Linn. (See Schmidt and Bradley.)
- Bradley, Linn, East Orange, N. J., and W. A. Schmidt, Los Angeles, Cal., assignors to Research Corporation, New York, N. Y. Separating certain constituents from a gas or mixture of gases. No. 1,221,505; Apr. 3; v. 237; p. 178.
- Bradley, Lynde and H. L., Milwaukee, Wis. Automatic release mechanism. No. 1,220,721; Mar. 27; v. 236; p. 1091.
- Bradley, Richard C., assignor of two-thirds to C. F. Ireland, Houston, Tex. Soldering device. No. 1,214,420; Jan. 30; v. 234; p. 1525.
- Bradley, Richard C., assignor of one-fourth to L. Kinnebrew, one-fourth to J. M. Eastham, Shreveport, La., and one-fourth to C. F. Ireland, Houston, Tex. Locking mechanism. No. 1,214,419; Jan. 30; v. 234; p. 1525.
- Bradley & Vrooman Company. (See Bradley, Franklin F., assignor.)
- Bradley & Vrooman Co. (See Rosenthal, Edward M., assignor.)
- Bradley, William H., Pittsburgh, Pa. Air-control system for furnaces. No. 1,222,519; Apr. 10; v. 237; p. 563.
- Bradley, William J., Troy, assignor to The Rail Joint Company, New York, N. Y. Roll construction for rolling-mills. No. 1,211,818; Jan. 9; v. 234; p. 528.
- Bradley, William J., assignor to Monarch Steam Blower Company, Troy, N. Y. Soot-ejector for steam-boilers. No. 1,222,177; Apr. 10; v. 237; p. 443.
- Bradley, William J., Troy, assignor to The Rail Joint Company, New York, N. Y. Roll construction for rolling-mills. No. 1,244,464; Oct. 30; v. 243; p. 1078.
- Bradley, William T., Troy, Ala. Rail-joint. No. 1,224,844; May 1; v. 238; p. 258.
- Bradner, Hosea T. (See Schurr, Charles H., assignor.)
- Bradrick, Joseph E., West Unity, Ohio. Switch. No. 1,231,481; June 26; v. 239; p. 1164.
- Bradshaw, A. R. (See Young, Edward B., assignor.)
- Bradshaw, Alfred. (See Hall and Bradshaw.)
- Bradshaw, Charles E., Waterbury, assignor to Robert N. Bassett Company, Incorporated, Shelton, Conn. Button-clasp. No. 1,222,724; Apr. 17; v. 237; p. 677.
- Bradshaw, Charles E., Waterbury, assignor to Robert N. Bassett Company, Incorporated, Shelton, Conn. Buckle. No. 1,238,096; Aug. 28; v. 241; p. 926.
- Bradshaw, Lucious E., Myrtle, Miss. Collapsible fortification-breastworks. No. 1,246,228; Nov. 13; v. 244; p. 354.
- Bradshaw, Oliver A., New Philadelphia, Ohio. Flash-light apparatus. No. 1,235,282; July 31; v. 240; p. 1350.
- Bradshaw, Richard, Montreal, Quebec, Canada. Bedstead construction. No. 1,214,503; Feb. 6; v. 235; p. 6.
- Bradshaw, Richard E., Oklahoma, Okla. Street-cleaning machine. No. 1,235,536; July 31; v. 240; p. 1428.
- Bradshaw, Richard E., assignor to Municipal Equipment Company, Oklahoma, Okla. Street-cleaning machine. No. 1,238,385; Aug. 28; v. 241; p. 1022.
- Bradshaw, William H., assignor to W. T. Plummer, Philadelphia, Pa. Belting and making the same. No. 1,235,425; July 31; v. 240; p. 1392.
- Bradshaw, William M., and W. G. Mylius, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. No. 1,226,056; May 15; v. 238; p. 762.
- Bradstrum, Einer P. (See Rose, Bradstrum, and Grant.)
- Bradt, Harold J., Royal Oak, Mich. Demountable rim. No. 1,217,144; Feb. 27; v. 235; p. 1065.
- Brady, Charles F., and J. J. Disser, Fort Wayne, Ind. Fumigating apparatus. No. 1,244,581; Oct. 30; v. 243; p. 1115.
- Brady, Frank T., Bayonne, N. J. Differential housing-cruss. No. 1,227,378; May 22; v. 238; p. 1244.
- Brady, Frederick, Middletown, Del. Drawer-rack. No. 1,211,065; Jan. 2; v. 234; p. 237.
- Brady, Glen D., Detroit, Mich. Moving-picture machine. No. 1,215,770; Feb. 13; v. 235; p. 487.
- Brady, Isaac E., assignor of one-half to E. H. Gainey, Hope Mills, N. C. Standard for flat-cars. No. 1,231,843; July 3; v. 240; p. 104.
- Brady, James H., Louisville, Ky. Cephalic band. No. 1,250,273; Dec. 18; v. 245; p. 606.
- Brady, Nicholas R., Dutchess Junction, N. Y. Bed. No. 1,224,065; Apr. 24; v. 237; p. 1172.
- Brady, Philip, New York, N. Y. Spring-wheel. No. 1,212,180; Jan. 16; v. 234; p. 682.
- Brady, Wilson M., Baltimore, Md. Stopper-extractor. No. 1,213,452; Jan. 23; v. 234; p. 1164.
- Braecklein, Alfred H., assignor to The Sanitary Seal Manufacturing Company, Baltimore, Md. Machine for making bottle-seals. No. 1,214,504; Feb. 6; v. 235; p. 6.
- Braecklein, Alfred H., assignor to The Sanitary Seal Manufacturing Company, Baltimore, Md. Machine for sealing bottles. No. 1,245,561; Nov. 6; v. 244; p. 127.
- Braedt, Otto, Vienna, Austria. Fly-catcher. No. 1,242,648; Oct. 9; v. 243; p. 416.
- Bragdon, Joseph H., New York, N. Y. Speed-controller for graphophones. No. 1,211,066; Jan. 2; v. 234; p. 238.
- Brager, Bernhard, New York, N. Y. Garment-rack. No. 1,232,195; July 3; v. 240; p. 221.
- Bragg, Christopher C. (See Franklin and Bragg.)
- Bragg, Edward, Farmerville, La. Milking-stool. No. 1,220,316; Mar. 27; v. 236; p. 952.
- Bragg, John A. (See Falstrom and Bragg.)
- Bragg, Jones M., Electric, N. C. Trap. No. 1,244,166; Oct. 23; v. 243; p. 950.
- Bragman, Samuel, and S. Wagreich, New York, N. Y. Receptacle for rubbish. No. 1,228,396; June 5; v. 239; p. 7.
- Braque, Everett W., Clarington, Ohio. Roof construction. No. 1,232,196; July 3; v. 240; p. 221.
- Brahman, Herbert G., Reading, Mich. Chicken-perch. No. 1,210,592; Jan. 2; v. 234; p. 74.
- Brahst, Julius H. (See Brahst, Louis C. and J. H.)
- Brahst, Louis C. and J. H., Hobart, Ind. Shock-absorber for motor-vehicles. No. 1,233,969; July 17; v. 240; p. 868.
- Braim, Charles P. (See Moser, Fred, assignor.)
- Braim, Lawrence, *et al.* (See Edmonds, Roland, assignor.)
- Brainard, Omar L., Sacramento, Cal. Motor-dray. No. 1,235,875; Aug. 7; v. 241; p. 113.
- Brainard, Sidney W., Cleveland, Ohio, assignor to J. M. Duncan, Philadelphia, Pa. Valve mechanism. No. 1,210,757; Jan. 2; v. 234; p. 130.
- Brainard, Walter A., and H. M. Mortensen, Audubon, Iowa. Lamp-turning device. No. 1,227,993; May 29; v. 238; p. 1483.
- Braine, Bancroft G. (See Wolhaupter and Braine.)
- Braine, Bancroft G., assignor to The Rail Joint Company, New York, N. Y. Insulated rail-joint. No. 1,228,645; June 5; v. 239; p. 92.

- Braine, Bancroft G., assignor to The Rail Joint Company, New York, N. Y. Plural-faced insulating unit. No. 1,228,646; June 5; v. 239; p. 92.
- Braine, Bancroft G., New York, N. Y., assignor to The Rail Joint Company. Insulated rail-joint. No. 1,240,660; Sept. 18; v. 242; p. 678.
- Braine, Bancroft G., assignor to The Rail Joint Company, New York, N. Y. Equalized rail-joint. No. 1,246,861; Nov. 20; v. 244; p. 580.
- Braine, Carrie E. (See Braine, Daniel L., assignor.)
- Braine, Daniel L., New York, N. Y. Rail-check. No. 1,238,386; Aug. 28; v. 241; p. 1022.
- Braine, Daniel L., assignor to C. E. Braine, New York, N. Y. Insulated track-tool. No. 1,248,445; Dec. 4; v. 245; p. 6.
- Brainerd, Lura S., Meriden, Conn. Dress-waist pattern. No. 1,219,234; Mar. 13; v. 236; p. 505.
- Braisted, Edward J. (See Gerke, Braisted, and Kelleher.)
- Braley, William L., assignor to The American Seeding Machine Company, Springfield, Ohio. Seeding-machine. No. 1,215,472; Feb. 13; v. 235; p. 378.
- Braley, Charles L., Chicago, Ill., assignor to American Laundry Machinery Company, Cincinnati, Ohio. Bosom-ironing machine. No. 1,233,305; July 17; v. 240; p. 650.
- Braley, Charles L., Chicago, Ill., assignor to American Laundry Machinery Company, Cincinnati, Ohio. Ironing-machine. No. 1,245,562; Nov. 6; v. 244; p. 127.
- Braley, Charles L., Chicago, Ill., assignor to The American Laundry Machinery Co., Cincinnati, Ohio. Shirt-ironing machine. No. 1,250,955; Dec. 25; v. 245; p. 859.
- Braley, William L. (See Faas and Braley.)
- Braly, Norman B., Butte, Mont. Canvas-hose coupling. No. 1,211,067; Jan. 2; v. 234; p. 238.
- Braly, Norman B., Butte, Mont. Canvas-hose coupling. No. 1,228,397; June 5; v. 239; p. 8.
- Braly, Norman B., Butte, Mont. Hose suspension. No. 1,244,465; Oct. 30; v. 243; p. 1078.
- Bram, Jacob J., Perth Amboy, N. J. Support for wash-tubs, tanks, sinks, and the like. No. 1,243,697; Oct. 23; v. 243; p. 805.
- Brambach Piano Company. (See Brambach, Stephen, assignor.)
- Brambach, Stephen, assignor to Brambach Piano Company, New York, N. Y. Upright piano. No. 1,210,593; Jan. 2; v. 234; p. 74.
- Bramhall, Deane Company. (See Hamlin, John H., assignor.)
- Bramhall Deane Company. (See May, William H., assignor.)
- Bramsted, Hyrum, Mount Pleasant, Utah. Gate-latch. No. 1,224,265; May 1; v. 238; p. 54.
- Branch, Michael, Richmond, Va. Type-writing machine. No. 1,225,698; May 8; v. 238; p. 598.
- Brand, Adolph L., Seattle, Wash. Nut-lock. No. 1,210,758; Jan. 2; v. 234; p. 131.
- Brand, Charles, assignor to the Firm of Industrie-Gesellschaft für Schappe, Basel, Switzerland. Thread-feed-stopping device for spinning, twisting, and similar machines. No. 1,247,926; Nov. 27; v. 244; p. 920.
- Brand, Edward D. (See Parke and Brand.)
- Brand, Frederick F., Pittsfield, Mass., assignor to General Electric Company. Transformer-winding. No. 1,242,649; Oct. 9; v. 243; p. 415.
- Brand, George P., et al. (See Lundberg, Endfred, assignor.)
- Brand, George P., New York, N. Y. Sheet-centralizing mechanism. No. 1,219,235; Mar. 13; v. 236; p. 505.
- Brand, George P., New York, N. Y. Pneumatic motor. No. 1,223,758; Apr. 24; v. 237; p. 1067.
- Brand, George P., New York, N. Y. Automatically controlling sheet-centralizing devices. No. 1,232,197; July 3; v. 240; p. 222.
- Brand, George P., New York, N. Y. Player-action. No. 1,232,198; July 3; v. 240; p. 222.
- Brand, George P., New York, N. Y. Transmission mechanism for automatic musical instruments. No. 1,232,199; July 3; v. 240; p. 222.
- Brand, George P., New York, N. Y. Valve mechanism for pneumatically-operated musical instruments. No. 1,247,604; Nov. 20; v. 244; p. 791.
- Brand, George P., assignor of one-half to Otto Higel Co. Inc., New York, N. Y. Automatic flushing or cleaning device for automatic musical instruments. No. 1,232,200; July 3; v. 240; p. 222.
- Brand, Herman, Breese, Ill. Grader. No. 1,241,336; Sept. 25; v. 242; p. 924.
- Brand, Herman H. (See Cary and Brand.)
- Brand, Hugo, assignor to J. Schönbaumfeld, Deutsch-Bene-schau, Ringplatz, Austria-Hungary. Machine for making buttons and the like. No. 1,218,742; Mar. 13; v. 236; p. 335.
- Brand, Maurice B., and F. Toth, Chicago, Ill. Cuspidor. No. 1,222,725; Apr. 17; v. 237; p. 678.
- Brand, Morrie, assignor of one-half to J. Hughes, San Francisco, Cal. Door closer-hinge. No. 1,214,748; Feb. 6; v. 235; p. 93.
- Brand, Morrie, assignor of one-half to W. J. Gerdau, San Francisco, Cal. Reversible window-sash. No. 1,220,722; Mar. 27; v. 236; p. 1091.
- Brand, Morrie, assignor of one-half to O. P. Brown, San Francisco, Cal. Wall-bed. No. 1,230,105; June 19; v. 239; p. 665.
- Brandeau, Harry H. (See Murphy and Brandeau.)
- Brandel, Albert H., and F. Greer, Lansing, Mich. Upholstering former or mold. No. 1,220,393; Mar. 27; v. 236; p. 979.
- Brandenberger, Jacques E., assignor to La Societe dite "La Cellophane," Paris, France. Sensitive photographic film. No. 1,221,825; Apr. 10; v. 237; p. 318.
- Brandenburg, Joseph F., et al. (See Atterbury and Matthews, assignors.)
- Brandt, E. C. (See Eakens, James C., assignor.)
- Brandon, Lawrence E. (See Smith and Brandon.)
- Brandquist, Eric. (See Wallace, Archibald H., assignor.)
- Brandquist, Eric, Orange, N. J. Spark-plug. No. 1,213,581; Jan. 23; v. 234; p. 1209.
- Brandt, Andrew G., Scranton, Pa. Button-fastener. No. 1,214,505; Feb. 6; v. 235; p. 7.
- Brandt, Charles, Claremore, Okla. Resilient wheel. No. 1,234,273; July 24; v. 240; p. 1001.
- Brandt, Charles M., Philadelphia, Pa. Safety-guard for presses. No. 1,234,723; July 31; v. 240; p. 1179.
- Brandt, Fokko H. G., and J. R. Evans, assignors to Evans-Brandt Manufacturing Company, Kansas City, Kans. Baling-press. No. 1,239,871; Sept. 11; v. 242; p. 397.
- Brandt, Henriette, New York, N. Y. Folding bed. No. 1,241,704; Oct. 2; v. 243; p. 75.
- Brandt, John, New York, N. Y. Tool for type-setters. No. 1,239,455; Sept. 11; v. 242; p. 264.
- Brandt, John A., St. Louis, Mo. Staining and finishing cabinet. No. 1,213,832; Jan. 30; v. 234; p. 1323.
- Brandt, Raymond V., Germania, Iowa. Dental instrument. No. 1,229,024; June 5; v. 239; p. 218.
- Brøndvold, Melvin E., Kathryn, N. D. Mail-box post. No. 1,249,315; Dec. 11; v. 245; p. 288.
- Brandwood, Edward. (See Brandwood, John, T., and E.)
- Brandwood, John, T., and E. Bury, England. Perforated beam for dyeing and like apparatus. No. 1,211,068; Jan. 2; v. 234; p. 239.
- Brandwood, Thomas. (See Brandwood, John, T., and E.)
- Brann, George J. (See Gasiorowski, John T., assignor.)
- Brannan, Cecil N., assignor of one-half to C. A. Couplin, Palouse, Wash. Wagon-seat. No. 1,220,943; Mar. 27; v. 236; p. 1165.
- Brannan, John W., Imperial, Nebr. Road-grader. No. 1,246,862; Nov. 20; v. 244; p. 580.
- Brannan, William, Newark, N. J. Undergarment. No. 1,231,482; June 26; v. 239; p. 1164.
- Brannon, Albert, assignor to H. F. Marston, Dayton, Ohio. Paper-making. No. 1,237,864; Aug. 21; v. 241; p. 819.
- Bransford, Howell A. (See Ellison, John D., assignor.)
- Branson, Elijah, Geneva, Ky. Observation-car. No. 1,232,761; July 10; v. 240; p. 440.
- Branson, Thomas, Philadelphia, assignor to Sibson & Stern, Inc., Germantown, Pa. Knitting-loom. No. 1,245,563; Nov. 6; v. 244; p. 128.
- Branstrator, Clem G., Monmouth, Ill., assignor of one-fourth to H. G. Herring. Driving mechanism for power transmission. No. 1,240,302; Sept. 18; v. 242; p. 568.
- Brantingham, Allen C., Toledo, Ohio, and L. R. Key, Guelph, Ontario, Canada, said Key assignor to Huntley Manufacturing Company, Silver Creek, N. Y. Dust-collector. No. 1,239,456; Sept. 11; v. 242; p. 264.
- Branyan, John S., and A. M. Rung, Harrisburg, Pa. Fishing-reel. No. 1,230,270; June 19; v. 239; p. 721.
- Branz, Walter G., Long Point, Ill. Pressure-gage and exhaust-valve. No. 1,223,252; Apr. 17; v. 237; p. 855.
- Brasack, William, Fairmont, W. Va., assignor to Fairmont Mining Machinery Company. Shaker-screen. No. 1,214,506; Feb. 6; v. 235; p. 7.
- Brasier, William H., Corpus Christi, Tex. Inspirator-valve for intake-manifolds. No. 1,240,303; Sept. 18; v. 242; p. 568.
- Brasington, John J. (See Watson and Brasington.)
- Brass Goods M'fg. Co. (See Frey, August J., assignor.)
- Brassard, Leander, Brockton, Mass. Oil-can. No. 1,238,630; Aug. 28; v. 241; p. 1101.
- Brassert, Hermann A., and H. H. Jones, Chicago, Ill. Hot-blast stove. No. 1,238,097; Aug. 28; v. 241; p. 927.
- Brasseur, Ernest J., assignor to A. B. Dick Company, Chicago, Ill. Attachment for T-squares. No. 1,231,120; June 26; v. 239; p. 1045.
- Brassler, George F., New York, assignor of one-half to P. Walter, Whitestone, N. Y. Locking device. No. 1,241,914; Oct. 2; v. 243; p. 143.
- Bratlie, Hans, Chicago, Ill. Shock-absorber for vehicles. No. 1,223,850; Apr. 24; v. 237; p. 1099.
- Bratsch, Theodore G., assignor of three-fourths to J. B. Handy, Orange, Cal. Pedal. No. 1,227,741; May 29; v. 238; p. 1396.
- Bratt, Charles B., Pittsburgh, Pa. Dental bridgework. No. 1,235,004; July 31; v. 240; p. 1267.
- Bratt, William N., Washington, Ill. Semaphore-chart. No. 1,246,708; Nov. 13; v. 244; p. 498.
- Bratten, Davis C., et al. (See Woodward, Lavater, assignor.)
- Bratton, David, New York, N. Y. Mold for concrete columns. No. 1,250,956; Dec. 25; v. 245; p. 859.
- Bratton, Ambrose A., McVeytown, assignor to Pennsylvania Glass Sand Company, Lewistown, Pa. Apparatus for drying sand and the like. No. 1,224,132; May 1; v. 238; p. 5.
- Bratton, Edna V., Luray, Kans. Poultry-fumigator. No. 1,215,336; Feb. 13; v. 235; p. 331.

Alphabetical list of patentees—Continued.

- Brauch, Robert H., Haledon, N. J. Creel. No. 1,246,229; Nov. 13; v. 244; p. 354.
- Brauchler, Charles A., Canton, Ohio. Apparatus for feeding pulverized fuel. No. 1,231,327; June 26; v. 239; p. 1113.
- Brauer, Carl, Hostomitz, near Teplitz, Austria. Apparatus for transferring bottles or the like to an annealing-oven. No. 1,226,633; May 22; v. 238; p. 994.
- Braun, Adolf, St. Paul, Minn. Combined speed control and lock for automobiles. No. 1,251,176; Dec. 25; v. 245; p. 923.
- Braun, Albert H. (See McGehee, John S., assignor.)
- Braun, Carl F., San Francisco, Cal. Feed-water heater. No. 1,241,190; Sept. 25; v. 242; p. 876.
- Braun Corporation, The. (See Marvin, Cornelius J., assignor.)
- Braun, Frederick W. (See Backus, George S., assignor.)
- Braun, John F., Merion, assignor to Pennsylvania Lawn Mower Works, Philadelphia, Pa. Gang-mower. No. 1,235,649; Aug. 7; v. 241; p. 39.
- Braun, John F., Merion Station, assignor to Pennsylvania Lawn Mower Works, Philadelphia, Pa. Gang-mower. No. 1,241,086; Sept. 25; v. 242; p. 844.
- Braun, Lawrence, et al. (See Edmonds, Roland, assignor.)
- Braun, Luther H., assignor of one-half to F. X. Stecker, Steubenville, Ohio. Rail-joint. No. 1,227,874; May 29; v. 238; p. 1441.
- Braun, Philip N., assignor to National Chemical Company, Syracuse, N. Y. Starching-machine. No. 1,245,999; Nov. 6; v. 244; p. 255.
- Braun, William P., Brooklyn, N. Y. Treating fur. No. 1,215,246; Feb. 6; v. 235; p. 266.
- Braunbeck, Herman W., San Francisco, Cal. Rotary operating mechanism. No. 1,212,733; Jan. 23; v. 234; p. 1259.
- Braunlich, Hugo G., Davenport, Iowa. Operating mechanism for centrifugal wringers. No. 1,224,266; May 1; v. 238; p. 54.
- Braunstein, Aron, Brownsville, Tex. Antiseptic shaving outfit. No. 1,211,282; Jan. 2; v. 234; p. 313.
- Bravi, Giuseppe, Allentown, assignor of one-half to S. T. Allea, Norristown, Pa. Springless or floating suspension for vehicles. No. 1,229,708; June 12; v. 239; p. 498.
- Bravo, Marcelino, Habana, Cuba. Gullet. No. 1,238,878; Sept. 4; v. 242; p. 51.
- Bray, Charles G., Bowie, Ariz. Rowing-oar. No. 1,244,167; Oct. 23; v. 243; p. 936.
- Bray, Oliver L., Clifton, Ariz. Soap-holder. No. 1,219,870; Mar. 13; v. 236; p. 552.
- Brayer, Vernon G., Quenemo, Kans. Bow-rest. No. 1,220,522; Mar. 27; v. 236; p. 1024.
- Braymes, Mark. (See Taylor and Braymes.)
- BrazEAU, J. Henry. (See Sundeen, Erick O., assignor.)
- BrazEAU, Samuel A., Shaniko, Oreg. Gang bread-cutter. No. 1,237,162; Aug. 14; v. 241; p. 557.
- Brazil, David H., assignor of one-fourth to W. P. Sandwich, Montgomery, Ala. Cut-off valve. No. 1,235,104; July 31; v. 240; p. 1296.
- Breault, Gédéon, Pawtucket, R. I. Means for raising sunken vessels. No. 1,250,787; Dec. 18; v. 245; p. 758.
- Breaux, Benjamin J., Lafourche Crossing, La. Faucet. No. 1,248,251; Nov. 27; v. 244; p. 1010.
- Bréchet, Arthur, assignor to Compagnie d'Incineration Industrielle, Paris, France. Refuse-destructor. No. 1,226,943; May 22; v. 238; p. 1098.
- Brecht, Charles. (See Worth and Brecht.)
- Breddin, Johannes P., Cologne, Germany. Apparatus for purifying sewage-water. No. 1,210,759; Jan. 2; v. 234; p. 131.
- Bredehoff, Edward F., St. Louis, Mo., assignor to Geo. D. Barnard & Company. File-box. No. 1,228,743; June 5; v. 239; p. 126.
- BredenberG, Alfred, Champlain, N. Y., assignor of one-half to The Sheridan Iron Works and one-half to T. W. & C. B. Sheridan Company. Book binding or covering machine. No. 1,243,252; Nov. 27; v. 244; p. 1010.
- BredenberG, Alfred, Champlain, N. Y., assignor of one-half to Sheridan Iron Works and one-half to T. W. & C. B. Sheridan Company. Bookbinding-machine. No. 1,248,253; Nov. 27; v. 244; p. 1011.
- BredenberG, Alfred, Champlain, N. Y., assignor of one-half to The Sheridan Iron Works and one-half to T. W. & C. B. Sheridan Company. Book binding or covering machine. No. 1,248,254; Nov. 27; v. 244; p. 1012.
- Bredig, Georg, Karlsruhe, assignor to Koepf & Co., Oestrich-on-the-Rhine, Germany. Production of formic acid. No. 1,235,426; July 31; v. 240; p. 1297.
- Breed, George, Philadelphia, Pa., assignor to Lyrachord Company, New York, N. Y. Electromagnetic musical instrument. No. 1,233,606; July 17; v. 240; p. 650.
- Breed, George P., Ruby, Wis., assignor of one-half to W. D. Persons, Walnut, Cal. Transmission-gearing. No. 1,230,659; June 19; v. 239; p. 850.
- Breeden, Francis V., Birmingham, England. Screw-cutting lathe. No. 1,216,060; Feb. 13; v. 235; p. 593.
- Breen, John T., Huron, S. D. Spring-wheel. No. 1,228,744; June 5; v. 239; p. 126.
- Breen, Thomas E., Philadelphia, Pa., and G. A. Martin, assignors to Dexter Folder Company, Pearl River, N. Y. Slow-down and sheet-straightener for feeding-machines. No. 1,231,559; July 2; v. 240; p. 6.
- Brehm, Ray A., Palmyra, Pa. Ice-creeper. No. 1,229,406; June 12; v. 239; p. 397.
- Breidert, George C. (See Norstrom and Breidert.)
- Breini, Joseph C., San Francisco, Cal. Valve. No. 1,244,286; Oct. 23; v. 243; p. 988.
- Breitenstein, Julius G., Chicago, Ill. Tie-fastener. No. 1,241,337; Sept. 25; v. 242; p. 924.
- Breithaupt, John G. (See Meuser and Breithaupt.)
- Breitinger, Eduard, Albsrieden, Switzerland. Damping device for measuring instruments and the like. No. 1,214,507; Feb. 6; v. 235; p. 8.
- Breitung, Edward N., Marquette, Mich. Die. No. 1,223,865; Apr. 24; v. 237; p. 927.
- Breivogel, Louis P., assignor to American Lady Corset Company, Detroit, Mich. Corset. No. 1,250,274; Dec. 18; v. 245; p. 606.
- Brekke, Gilbert O., Plaza, N. D. Plate-rack. No. 1,216,061; Feb. 13; v. 235; p. 594.
- Breland, Charles J. W., Spiro, Okla. Combination pencil sharpener and holder. No. 1,215,473; Feb. 13; v. 235; p. 379.
- Brell, Julius J., New York, N. Y. Button feeding and attaching device. No. 1,212,181; Jan. 16; v. 234; p. 682.
- Bremont, Joseph, New York, N. Y. Expression-controlling device for mechanical musical instruments. No. 1,240,412; Sept. 18; v. 242; p. 602.
- Brenan, Herbert S., St. John, New Brunswick, Canada. Binder. No. 1,214,270; Jan. 30; v. 234; p. 1474.
- Brendlin, Herman J. (See Atkinson and Brendlin.)
- Breneman, Louis A., St. Paul, assignor to Minnesota Manufacturers' Association, North St. Paul, Minn. Elevator. No. 1,240,172; Sept. 18; v. 242; p. 525.
- Brengel, Adam J. (See Traugott and Brengel.)
- Brenkert, Joseph W., San Diego, Cal. Water-filter. No. 1,223,028; Apr. 17; v. 237; p. 781.
- Brennan, Hugh. (See McCool, Joseph M., assignor.)
- Brennan, John S., Milwaukee, Wis. Thermostatically-controlled radiator-valve. No. 1,219,699; Mar. 20; v. 236; p. 697.
- Brennan, John S., assignor to A. J. Lindemann & Hoverson Co., Milwaukee, Wis. Convertible fluid-fuel kindler and heater for stoves. No. 1,218,974; Mar. 13; v. 236; p. 417.
- Brennan, Lawrence, Red Deer, Alberta, Canada. Lifting-crane. No. 1,250,424; Dec. 18; v. 245; p. 650.
- Brennan, Ruby S., Portland, Oreg. Cumulative additive drill-card. No. 1,228,356; May 29; v. 238; p. 1602.
- Brennan, Thomas, Jr., Moline, Ill., assignor to Monitor Drill Company, Minneapolis, Minn. Grain-drill. No. 1,223,142; Apr. 17; v. 237; p. 820.
- Brenne, Carl F., E. G. Jurgens, and D. C. Dudley, Portland, Oreg. Loose-leaf holder. No. 1,216,062; Feb. 13; v. 235; p. 594.
- Brennecke, Herman J., Chicago, Ill. Goggle-hinge. No. 1,230,555; June 19; v. 239; p. 816.
- Brennen, Frederic W., Hamilton, Ontario, Canada. Shavings and sawdust separator. No. 1,224,898; May 8; v. 238; p. 328.
- Brenner, Abel, Chicago, Ill. Valve for pneumatic tires. No. 1,249,014; Dec. 4; v. 245; p. 170.
- Brenner, Alphonse. (See Banks, Robert W., Jr., assignor.)
- Brenner, Carl, et al. (See Clark, Stuart J., assignor.)
- Brenner, Joseph, and A. Bresnick, Boston, Mass. Collapsible container. No. 1,224,519; May 1; v. 238; p. 145.
- Brenner, Peter K., New York, N. Y. Race-game apparatus. No. 1,217,145; Feb. 27; v. 235; p. 1065.
- Brenner, Richard M., Palisade, N. J. Game apparatus. No. 1,234,618; July 24; v. 240; p. 1113.
- Brenno, Sigurd F., Pequot, Minn. Stubble-plow. No. 1,237,610; Aug. 21; v. 241; p. 739.
- Brent, John J., Alton, Kans. Automobile-heater. No. 1,213,069; Jan. 16; v. 234; p. 996.
- Brenton, James, assignor to Northern Brass Manufacturing Company, Waukegan, Ill. Quick-opening faucet. No. 1,210,893; Jan. 2; v. 234; p. 177.
- Brenzinger, Julius, Mount Vernon, N. Y. Can-heading machine. No. 1,230,556; June 19; v. 239; p. 816.
- Brenzinger, Julius, Mount Vernon, N. Y., assignor to The Max Ams Machine Company, Bridgeport, Conn. Flanging-machine. No. 1,241,915; Oct. 2; v. 243; p. 143.
- Bresch, Paul, Petit Quévilly, France, assignor to Universal Winding Company, Boston, Mass. Tension-controller. No. 1,231,560; July 3; v. 240; p. 6.
- Bresee, James M., Mattoon, Ill. Road-grading machine. No. 1,225,906; May 8; v. 238; p. 364.
- Breslau, Max, Hoppegarten, near Berlin, Germany. Relating to alternating-current dynamos. No. 1,248,255; Nov. 27; v. 244; p. 1012.
- Bresnick, Abraham. (See Brenner and Bresnick.)
- Brest, Sam, Chicago, Ill. Ash sifter and receptacle. No. 1,242,318; Oct. 9; v. 243; p. 310.
- Brethour, William, Wyoming township, Kent county, Mich. Sawhorse. No. 1,211,069; Jan. 2; v. 234; p. 239.
- Bretsnyder, William, Chicago, Ill. Safety device for power-presses. No. 1,212,319; Jan. 16; v. 234; p. 734.
- Brett, A. Leo, South Braintree, Mass. Check-valve for refrigerating apparatus. No. 1,242,515; Oct. 9; v. 243; p. 372.
- Brett, Afley L. (See Keyes, Frederick G., assignor.)
- Brethauer, Herman, New York, N. Y. Tire-patch clamp. No. 1,220,819; Mar. 27; v. 236; p. 1126.

- Bretz, George W., assignor of three-fifteenths to C. A. Lowry, O. O. Wood, J. H. Wade, and P. R. Pirtle, one-fifteenth to F. E. Jones, one-fifteenth to S. H. Gripp, and one-fifteenth to L. C. Irons, Houston, Tex. Attachment for cameras. No. 1,225,757; May 15; v. 238; p. 661.
- Breuer, Erich F. J., Decatur, Ill. Hose-coupling. No. 1,230,854; June 26; v. 239; p. 953.
- Breul, Frederick G., assignor to American Chain Company, Incorporated, Bridgeport, Conn. Making chain links. No. 1,219,431; Mar. 20; v. 236; p. 604.
- Brew, Annie L., administratrix. (See Brew, William H.)
- Brew, William H., deceased; A. L. Brew, administratrix, Washington, D. C. Towel-cabinet. No. 1,243,670; Oct. 16; v. 243; p. 764.
- Brewer, Alden R., assignor of one-half to C. H. Moore, Northport, Wash. Keyhole-saw. No. 1,240,173; Sept. 18; v. 242; p. 526.
- Brewer, Charles B., Hyattsville, Md., and H. E. Hanes, Herndon, Va. Game apparatus. No. 1,217,908; Mar. 6; v. 236; p. 8.
- Brewer, Gipp M., Sylvia, Kans. Washing-machine. No. 1,242,765; Oct. 9; v. 243; p. 453.
- Brewer, Governor L., Kent City, Mich. Spark-plug. No. 1,249,316; Dec. 11; v. 245; p. 288.
- Brewer, John H., Louisville, Ky. Vehicle-brake. No. 1,219,073; Mar. 13; v. 236; p. 450.
- Brewer, John H., Louisville, Ky. Exhibiting device. No. 1,224,267; May 1; v. 238; p. 55.
- Brewer, John H., Louisville, Ky. Frame. No. 1,227,577; May 29; v. 238; p. 1339.
- Brewer, John H., Louisville, Ky. Flag-cover. No. 1,228,092; May 29; v. 238; p. 1516.
- Brewer, John H., Louisville, Ky. Trunk. No. 1,242,901; Oct. 9; v. 243; p. 495.
- Brewer, Thomas B., Pages Mills, S. C. Wrench. No. 1,238,487; Aug. 28; v. 241; p. 1055.
- Brewitt, Walter. (See Goldschmidt and Brewitt.)
- Brewster, Charles A., Kaw, Okla. Foot-press tobacco-cutter. No. 1,220,068; Mar. 20; v. 236; p. 826.
- Brewster & Co. (See Campbell, Alfred L., assignor.)
- Brewster & Co. (See Moister, William, assignor.)
- Brewster, Edmund, Daisville, England. Means for holding hats. No. 1,213,833; Jan. 30; v. 234; p. 1323.
- Brewster Film Corporation. (See Miller, Hoyt, assignor.)
- Brewster, Harry C., Shreveport, La. Pipe-coupling. No. 1,233,175; July 10; v. 240; p. 574.
- Brewster, Harry C., Shreveport, La. Fishing-tool. No. 1,240,661; Sept. 18; v. 242; p. 679.
- Brewster, Henry, New York, N. Y. License-sign for automobiles. No. 1,219,236; Mar. 13; v. 236; p. 505.
- Brewster, Percy D., East Orange, N. J. Film for color cinematography. No. 1,222,925; Apr. 17; v. 237; p. 745.
- Brewster, Percy D., East Orange, N. J. Apparatus for treating cinematographic films. No. 1,223,664; Apr. 24; v. 237; p. 1034.
- Brewster, Percy D., East Orange, N. J. Transferring photographic prints from separate supports to a single support. No. 1,224,442; May 1; v. 238; p. 119.
- Brewster, Percy D., East Orange, N. J. Color cinematography. No. 1,228,877; June 5; v. 239; p. 172.
- Brewster, Percy D., East Orange, N. J. Apparatus for printing cinematographic films. No. 1,233,176; July 10; v. 240; p. 574.
- Brexendorf, Alexander M., Carlisle, Pa. Record-cabinet. No. 1,226,301; May 15; v. 238; p. 850.
- Breyer, Frank G., Palmerton, Pa. Recovery of potash. No. 1,236,903; Aug. 14; v. 241; p. 475.
- Brezin, Joseph. (See Tarshis, Berzon, and Brezin.)
- Brian, Algie F., Clovis, N. Mex. Monomobile. No. 1,232,487; July 10; v. 240; p. 350.
- Brice, Willmore W., assignor of one-third to J. M. Hollingsworth, Mer Rouge, La. Nut-lock. No. 1,222,843; Apr. 17; v. 237; p. 717.
- Brice, James L., Aberdeen, Wash. Shaving-brush. No. 1,230,660; June 19; v. 239; p. 850.
- Brick, Charles C. (See Cox, William H., assignor.)
- Bricka, Milton S., Milan, Ind. Telephone-line disconnecter. No. 1,219,531; Mar. 20; v. 236; p. 638.
- Brickley, Charles A., Iilon, N. Y. Truck. No. 1,227,875; May 29; v. 238; p. 1442.
- Brickell, Harry S., Pittsburgh, Pa. Shower-bath. No. 1,222,726; Apr. 17; v. 237; p. 678.
- Brickell, Richard W. (See McKay, Peter M., assignor.)
- Bricken, John, assignor, by mesne assignments, to Chicago Braid Bow Company, Chicago, Ill. Machine for making bows. No. 1,224,268; May 1; v. 238; p. 55.
- Brickley, Thomas H., Philadelphia, Pa. Graphite-lubricator. No. 1,234,861; July 31; v. 240; p. 1220.
- Bridenbaugh, Elmer H. (See Ohmer and Bridenbaugh.)
- Bridenbaugh, Elmer H., assignor to H. O. Jackson, Denver, Colo. Means for imparting oscillatory movement. No. 1,222,727; Apr. 17; v. 237; p. 678.
- Bridewell, William F., and J. W. Winfrey, Hope, Ark. Cotton-seed conveyor and cleaner. No. 1,235,427; July 31; v. 240; p. 1392.
- Bridgeport Brass Company. (See Clark, Robert, assignor.)
- Bridgeport Brass Company. (See Webster, William R., assignor.)
- Bridges, Alonzo J., Bedford, Iowa. Filter. No. 1,225,007; May 8; v. 238; p. 365.
- Bridges, Alonzo J., Bedford, Iowa. Grain-tester. No. 1,230,855; June 26; v. 239; p. 953.
- Bridges, Charles E., Chicago, Ill., assignor, by mesne assignments, to Autosales Gum and Chocolate Company, Vending device. No. 1,240,413; Sept. 18; v. 242; p. 602.
- Bridges, Christopher M., assignor to Bridges Sanitary Fish Container Company of California, San Francisco, Cal. Fish-packer and carton. No. 1,219,237; Mar. 13; v. 236; p. 506.
- Bridges, Robert R., Geneva, N. Y. Window-shade bracket. No. 1,217,695; Feb. 27; v. 235; p. 1259.
- Bridges Sanitary Fish Container Company of California. (See Bridges, Christopher M., assignor.)
- Bridges, Walter S., Chicago, Ill. Auxiliary inner fire-tube for steam-boilers. No. 1,216,408; Feb. 20; v. 235; p. 769.
- Bridges, William C., Muscatine, Iowa. Razor-guard. No. 1,247,787; Nov. 27; v. 244; p. 881.
- Bridgewater Chemical Company. (See Peacock, Samuel, assignor.)
- Bridgham, Arthur L., assignor of one-half to C. H. Sherburne, Boston, Mass. Safety device for steam-boilers and other fixtures containing steam under pressure. No. 1,220,944; Mar. 27; v. 236; p. 1166.
- Bridgman, Harry S. (See Wright and Bridgman.)
- Bridwell, Alfred H., Beech Grove, Ky. Hog-yoke. No. 1,217,696; Feb. 27; v. 235; p. 1259.
- Bried, Julien A., Oakland, Cal. Casement-window bracing and locking device. No. 1,218,366; Mar. 6; v. 236; p. 167.
- Brien, John O. (See Thornton, John E., assignor.)
- Brier, Paine, Denver, Colo. Heating system for automobiles. No. 1,211,667; Jan. 9; v. 234; p. 475.
- Briercliffe, James R. G., and G. Chisnall, Farnworth, England. Clearer for spinning-machines. No. 1,246,535; Nov. 13; v. 244; p. 447.
- Brierly, Benjamin R., and E. H. Waugh, assignors to Smith Cannery Machines Company, Seattle, Wash. Fish-beheading device. No. 1,222,926; Apr. 17; v. 237; p. 745.
- Brierly, Benjamin R., and E. H. Waugh, assignors to Smith Cannery Machines Company, Seattle, Wash. Scraper attachment for fish-cleaning machines. No. 1,223,468; Apr. 24; v. 237; p. 963.
- Brierly, Benjamin R., and E. H. Waugh, assignors to Smith Cannery Machines Company, Seattle, Wash. Fish-cleaning device. No. 1,244,168; Oct. 23; v. 243; p. 950.
- Brierly, William, and N. R. Moore, Vanderbilt, Pa. Soldering compound for various metals. No. 1,245,362; Nov. 6; v. 244; p. 218.
- Briese, Frederick W., Jamaica, N. Y. Garbage-can. No. 1,226,634; May 22; v. 238; p. 994.
- Brigden, Burt A., and G. C. Kehres, Cleveland, Ohio. Camera. No. 1,248,607; Dec. 4; v. 245; p. 54.
- Brigel, Leo A., Cheviot, Ohio. Vehicle-saddle. No. 1,216,273; Feb. 20; v. 235; p. 720.
- Brigel, Leo A., Cheviot, Ohio. Toy vehicle. No. 1,244,169; Oct. 23; v. 243; p. 951.
- Briggs, Alice U., Union City, Pa. Reciprocating-saw machine. No. 1,230,991; June 26; v. 239; p. 1000.
- Briggs, Alice, Union City, Pa. Umbrella. No. 1,250,788; Dec. 18; v. 245; p. 758.
- Briggs, Arthur J., Syracuse, assignor to Remington Type-writer Company, Iilon, N. Y. Type-writing machine. No. 1,214,891; Feb. 6; v. 235; p. 142.
- Briggs, Arthur J., Syracuse, assignor to Remington Type-writer Company, Iilon, N. Y. Type-writing machine. No. 1,215,105; Feb. 6; v. 235; p. 217.
- Briggs, Arthur J., Syracuse, assignor to Remington Type-writer Company, Iilon, N. Y. Type-writing machine. No. 1,215,612; Feb. 13; v. 235; p. 432.
- Briggs, Arthur J., Syracuse, assignor to Remington Type-writer Company, Iilon, N. Y. Type-writing machine. No. 1,234,274; July 24; v. 240; p. 1001.
- Briggs, Arthur J., Syracuse, assignor to Remington Type-writer Company, Iilon, N. Y. Type-writing machine. No. 1,239,872; Sept. 11; v. 242; p. 397.
- Briggs, Arthur J., Syracuse, assignor to Remington Type-writer Company, Iilon, N. Y. Type-writing machine. No. 1,242,419; Oct. 9; v. 243; p. 342.
- Briggs, Arthur J., Syracuse, assignor to Remington Type-writer Company, Iilon, N. Y. Type-writing machine. No. 1,247,212; Nov. 20; v. 244; p. 681.
- Briggs, Bertram B. (See Minetti and Briggs.)
- Briggs, Charles H., Minneapolis, Minn. Viscosimeter. No. 1,233,177; July 10; v. 240; p. 575.
- Briggs, John M., Martins Ferry, Ohio. Train-coaling device. No. 1,229,875; June 12; v. 239; p. 554.
- Briggs, Robert, Buena Vista, Colo. Tightening and locking device for antiskid-chains. No. 1,238,631; Aug. 28; v. 241; p. 1101.
- Briggs, Robert E., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Conveyor. No. 1,247,365; Nov. 20; v. 244; p. 724.
- Briggs, Stephen F., assignor to Briggs & Stratton Company, Milwaukee, Wis. Padlock-switch. No. 1,220,174; Mar. 27; v. 236; p. 901.
- Briggs, Stephen F., assignor to Briggs & Stratton Company, Milwaukee, Wis. Vibrator-contact. No. 1,223,143; Apr. 17; v. 237; p. 821.

Alphabetical list of patentees—Continued.

- Briggs, Stephen F., assignor to Briggs & Stratton Company, Milwaukee, Wis. Suction-controlled switch. No. 1,231,561; July 3; v. 240; p. 6.
- Briggs, Stephen F., assignor to Briggs & Stratton Company, Milwaukee, Wis. Switch. No. 1,232,650; July 10; v. 240; p. 401.
- Briggs & Stratton Company. (See Briggs, Stephen F., assignor.)
- Briggs, William C., assignor to United Cigarette Machine Co., Lynchburg, Va. Continuous-rod cigarette-machine. No. 1,228,525; June 5; v. 239; p. 52.
- Brigham, Arthur A., Brookline, Mass. Thread-splicing machine. No. 1,239,560; Sept. 11; v. 242; p. 296.
- Brigham, Harry L., assignor to Tolman Print Incorporated, Brockton, Mass. Sheet-feeding means. No. 1,215,247; Feb. 6; v. 235; p. 266.
- Brigham, Melzar W., East Cleveland, Ohio. Lamp-support. No. 1,230,992; June 26; v. 239; p. 1000.
- Brigham, Waldo, and G. A. Furneaux, Dufur, Ore. Flushing-tank. No. 1,224,845; May 1; v. 238; p. 258.
- Bright, Alvin J., Christianburg, Ohio. Hand-tool. No. 1,248,446; Dec. 4; v. 245; p. 6.
- Bright, C. A. (See Miller, Bendix, assignor.)
- Bright, Fred E., Philadelphia, Pa. Chuck. No. 1,239,873; Sept. 11; v. 242; p. 398.
- Bright, Fred E., Philadelphia, Pa., assignor to The Hess-Bright Manufacturing Company. Antifriction-bearing. No. 1,215,474; Feb. 13; v. 235; p. 379.
- Bright, Fred E., Philadelphia, Pa., assignor to The Hess-Bright Manufacturing Company. Cage for antifriction-bearings. No. 1,221,020; Apr. 3; v. 237; p. 6.
- Bright, Fred E., Philadelphia, Pa., assignor to The Hess-Bright Manufacturing Company. Shaft-hanger. No. 1,239,874; Sept. 11; v. 242; p. 398.
- Bright, Herbert L., New York, N. Y. Type-writer attachment. No. 1,245,144; Oct. 30; v. 243; p. 1284.
- Bright, Roswell C., assignor of one-half to A. A. Beals, Clarence, Mo. Antiskid-rudder for autos. No. 1,215,902; Feb. 13; v. 235; p. 535.
- Bright, William H., Bedford, Va. Dirigible lamp for automobiles. No. 1,238,984; Sept. 4; v. 242; p. 85.
- Brightman, C. W., et al. (See Brightman, Harrison M., assignor.)
- Brightman, G. F., et al. (See Brightman, Harrison M., assignor.)
- Brightman, H. L., et al. (See Brightman, Harrison M., assignor.)
- Brightman, Harrison M., Columbus, Ohio. Feeding mechanism for nut-making machines. No. 1,212,605; Jan. 16; v. 234; p. 835.
- Brightman, Harrison M., Columbus, Ohio. Nut-castellating machine. No. 1,212,606; Jan. 16; v. 234; p. 835.
- Brightman, Harrison M., Columbus, Ohio. Forming a tube. No. 1,219,802; Mar. 20; v. 236; p. 733.
- Brightman, Harrison M., assignor of one-fifth to C. W. Brightman, one-fifth to G. F. Brightman, one-fifth to H. L. Brightman, and one-fifth to J. H. Brightman, Columbus, Ohio. Boring and drilling machine. No. 1,219,803; Mar. 20; v. 236; p. 733.
- Brightman, J. H., et al. (See Brightman, Harrison M., assignor.)
- Brightman, Latham H., Columbus, Ohio. Machine for making nut-blanks. No. 1,226,302; May 15; v. 238; p. 850.
- Brightman, Latham H., Columbus, Ohio. Automatic cut-off machine. No. 1,226,303; May 15; v. 238; p. 851.
- Brightman, Latham H., Columbus, Ohio. Feed device for nut-machines. No. 1,246,863; Nov. 20; v. 244; p. 580.
- Brigman, John O. (See Wright, John R., assignor.)
- Briles, Larkin, Lake City, Cal. Cutter for mowers. No. 1,218,924; Mar. 13; v. 236; p. 401.
- Brillhart, William H., Kendallville, Ind. Mixing apparatus. No. 1,218,623; Mar. 13; v. 236; p. 291.
- Brillon Iron Works. (See Ariens, Henry, assignor.)
- Brimson, James H., assignor of one-half to W. H. Hart, Saginaw, Mich. Variable-speed device. No. 1,232,889; July 10; v. 240; p. 482.
- Brinkerhoff, Francis M., Englewood, assignor to L. B. Stillwell, Lakewood, N. J., and H. S. Putnam, New York, N. Y. Railway-car construction. No. 1,231,235; June 26; v. 239; p. 1083.
- Brinkerhoff, Francis M., Englewood, assignor to L. B. Stillwell, Lakewood, N. J., and H. S. Putnam, New York, N. Y. Railway-car. No. 1,244,947; Oct. 30; v. 243; p. 1225.
- Brinkerhoff, Francis M., Englewood, and L. B. Stillwell, Lakewood, N. J., assignors to said Stillwell and H. S. Putnam, New York, N. Y. Railway-car construction. No. 1,231,236; June 26; v. 239; p. 1083.
- Brinkerhoff, Frank M., Englewood, N. J., assignor to James L. Howard & Company, Hartford, Conn. Lock mechanism for sliding doors. No. 1,229,709; June 12; v. 239; p. 499.
- Brinkerhoff, Frank M., Englewood, N. J., assignor to James L. Howard & Company, Hartford, Conn. Lock mechanism for sliding doors. (Reissue.) No. 14,379; Oct. 23; v. 243; p. 1037.
- Brindley, Willis, Seattle, Wash. Stud for the erection of circular structures. No. 1,224,443; May 1; v. 238; p. 119.
- Brine, John H., Kenosha, Wis., assignor to Paramount Hosiery Form Drying Co., Chicago, Ill. Hosiery-finishing apparatus. No. 1,218,520; Mar. 6; v. 236; p. 218.
- Brink, Benjamin D., Grand Rapids, Mich. Loose-leaf binder. No. 1,249,015; Dec. 4; v. 245; p. 170.
- Brinkerhoff, Josiah, et al. (See Walter, Ira D., assignor.)
- Brinkhuis, Abraham, Hospers, Iowa. Wrench. No. 1,227,876; May 29; v. 238; p. 1442.
- Brinkman, Lewis A., Chicago, Ill. Indexing attachment for lathes and the like. No. 1,225,106; May 8; v. 238; p. 398.
- Brinkman, Louis H., Glen Ridge, N. J., assignor, by mesne assignments, to Baltimore Tube Company, Incorporated. Tube-bending machine. No. 1,210,894; Jan. 2; v. 234; p. 178.
- Brinkman, Louis H., Glen Ridge, N. J., assignor, by mesne assignments, to Baltimore Tube Company, Incorporated. Apparatus for and method of corrugating metal tubes. No. 1,210,895; Jan. 2; v. 234; p. 178.
- Brinkman, Sebastian G., Fords, N. J. Carbureter. No. 1,243,250; Oct. 16; v. 243; p. 638.
- Brinkman, Sebastian G., Fords, assignor of one-half to L. H. Minton, Metuchen, N. J. Automatic mold-filling device for dry-press and semidry-press machines. No. 1,247,213; Nov. 20; v. 244; p. 682.
- Brinkman, Sebastian G., Fords, assignor of one-half to L. H. Minton, Metuchen, N. J. Electrically-heated press for clayware. No. 1,248,800; Dec. 4; v. 245; p. 111.
- Brinley, Chas. A., assignor to The American Pulley Company, Philadelphia, Pa. Pulley. No. 1,232,445; July 3; v. 240; p. 300.
- Brintnall, Thomas M., and W. E. Swalm, assignors of one-third to W. C. Bryan, Los Angeles, Cal. Lock. No. 1,251,177; Dec. 25; v. 245; p. 923.
- Brinton, William C., Jr. (See Brown and Brinton.)
- Brinton, William C., Jr., assignor to Philips-Brinton Company, Kennett Square, Pa. Ignition system for internal-combustion engines. No. 1,227,109; May 22; v. 238; p. 1156.
- Brinton, William C., Jr., assignor to Philips-Brinton Company, Kennett Square, Pa. Ignition system for internal-combustion engines. No. 1,227,110; May 22; v. 238; p. 1157.
- Brinton, William C., Jr., assignor to Philips-Brinton Company, Kennett Square, Pa. Contact maker and interrupter. No. 1,234,275; July 24; v. 240; p. 1001.
- Brinton, William C., Jr., assignor to Philips-Brinton Company, Kennett Square, Pa. Electrical condenser and making same. No. 1,237,015; Aug. 14; v. 241; p. 512.
- Brinton, William C., Jr., assignor to Philips-Brinton Company, Kennett Square, Pa. Clutch. No. 1,238,098; Aug. 28; v. 241; p. 927.
- Brinton, William F., Washington, Iowa. Means for excavating and transporting material in grading. No. 1,231,121; June 26; v. 239; p. 1045.
- Brinton, William F., Washington, Iowa. Distant-power excavating-machine. No. 1,236,904; Aug. 14; v. 241; p. 475.
- Briony, Thomas F. (See Pierson and Briony.)
- Briou, Samuel J., Galeton, Pa. Package-tie. No. 1,246,864; Nov. 20; v. 244; p. 581.
- Brisben, Ernest J., assignor to Osborn-Crew Manufacturing Company, Cleveland, Ohio. Emery-wheel dresser. No. 1,220,175; Mar. 27; v. 236; p. 901.
- Brisbin, Homer L., Townsend, Mont. Wrench. No. 1,227,877; May 29; v. 238; p. 1443.
- Brisbois, Odilon, assignor to J. H. Ware, Chicago, Ill. Telephone system. No. 1,221,135; Apr. 3; v. 237; p. 46.
- Briscoe, Marion G., Knoxville, Tenn. Driving mechanism for double egg-beaters. No. 1,233,748; July 17; v. 240; p. 796.
- Briscoe Motor Co. (See Guthrie, James, assignor.)
- Briscoe, Robert H. (See Cash and Briscoe.)
- Brisker, Samuel. (See Arbess and Brisker.)
- Brislaw, Claude A., Sprague, Wash. Snap-hook. No. 1,240,662; Sept. 18; v. 242; p. 679.
- Brisley, Frederick N., Frederick, Okla. Towel-holder. No. 1,221,279; Apr. 3; v. 237; p. 99.
- Brison, William R., Tompkinsville, N. Y. Combined bung and strainer. No. 1,218,975; Mar. 13; v. 236; p. 418.
- Bristol Company, The. (See Bristol, William H., assignor.)
- Bristol Company, The. (See Bristol and Koester, assignors.)
- Bristol Company, The. (See Johnson, Manfred, assignor.)
- Bristol Company, The. (See Johnson, Manfred J., assignor.)
- Bristol Company, The. (See Mertelmeyer, Gisbert, assignor.)
- Bristol, Edgar H., assignor, by mesne assignments, to The Foxboro Company, Foxboro, Mass. Measuring or controlling instrument. No. 1,234,126; July 24; v. 240; p. 952.
- Bristol, Edgar H., assignor to The Foxboro Company, Foxboro, Mass. Speedometer. No. 1,240,790; Sept. 18; v. 242; p. 718.
- Bristol, Edgar H., and W. H. Fitts, assignors to The Industrial Instrument Company, Foxboro, Mass. Hygrometer and other instrument. No. 1,243,671; Oct. 16; v. 243; p. 764.
- Bristol, John I. D., Chappaqua, N. Y. Drill and tap indicator. No. 1,246,536; Nov. 13; v. 244; p. 447.

- Bristol, John I. D., H. K. Curtis, and L. T. Hunter, Chappagua, N. Y. Bushing for brake-cams. No. 1,235,428; July 31; v. 240; p. 1393.
- Bristol, Mark L., and H. C. Richardson, U. S. Navy. Float for aeroplanes. No. 1,213,453; Jan. 23; v. 234; p. 1164.
- Bristol, William H., assignor to The Bristol Company, Waterbury, Conn. Thermo-electric couple. (Reissue.) No. 14,243; Jan. 9; v. 234; p. 649.
- Bristol, William H., assignor to The Bristol Company, Waterbury, Conn. Automatically-synchronized entertainment device. No. 1,234,127; July 24; v. 240; p. 953.
- Bristol, William H., Middlebury, assignor to The Bristol Company, Waterbury, Conn. Temperature-compensating device for thermo-electric measuring instruments. (Reissue.) No. 14,280; Apr. 3; v. 237; p. 283.
- Bristol, William H., and H. Koester, assignors to The Bristol Company, Waterbury, Conn. Thermostat. No. 1,225,758; May 15; v. 238; p. 662.
- Bristow, Cecil, London, England. Fountain-pen. No. 1,243,383; Oct. 16; v. 243; p. 678.
- Bristow, Charles, Fendalton, Christchurch, assignor to The Imperial Cash Register Company, Limited, Wellington, New Zealand. Autographic register. No. 1,223,759; Apr. 24; v. 237; p. 1068.
- British-American Tobacco Company Limited. (See Baldwin, Thomas W., assignor.)
- British Coke Ovens Limited. (See Schuster, Nicholas, assignor.)
- British Diatoric Manufacturing Company Limited. (See Blundell, Mills, and Maguire, assignors.)
- British Patent Surbrite Company, The. (See Meadway, Ernest G., assignor.)
- British Westinghouse Electric and Manufacturing Company, The. (See Bailey, James N., assignor.)
- British Westinghouse Electric & Manufacturing Company, The. (See Baumann, Karl, assignor.)
- British Westinghouse Electric & Manufacturing Company, The. (See Mansforth, Holberry, assignor.)
- British Westinghouse Electric & Manufacturing Company, The. (See Scaues, Arthur E. L., assignor.)
- Britt, Charles, Algona, Iowa. Automatic transmission-controlling mechanism. No. 1,230,856; June 26; v. 239; p. 954.
- Britt, Edmund C., Seattle, Wash. Railway-car. No. 1,231,122; June 26; v. 239; p. 1046.
- Britt, James F., Prescott, Ark. Attachment for harness. No. 1,240,304; Sept. 18; v. 242; p. 568.
- Britt, Leslie C., Chariton, Iowa. Crate. No. 1,213,734; Jan. 23; v. 234; p. 1259.
- Brittain, George E., Boston, assignor to I. L. Keith, Haverhill, Mass. Holder for stacks of soles. No. 1,247,214; Nov. 20; v. 244; p. 682.
- Brittain, George E., Boston, assignor to I. L. Keith, Haverhill, Mass. Holding device for sole-clamping means. No. 1,250,550; Dec. 18; v. 245; p. 639.
- Brittain, James H., Salt Lake City, Utah. Ore-concentrator. No. 1,224,066; Apr. 24; v. 237; p. 1172.
- Brittain, Robert, Downsville, N. Y. Front-axle brace. No. 1,221,665; Apr. 3; v. 237; p. 230.
- Brittain, Robert O., Boston, Mass. Artificial tooth. No. 1,249,891; Dec. 11; v. 245; p. 455.
- Britten, Edwin E., Jr., Jersey City, N. J., assignor to L. E. Waterman Company, New York, N. Y. Mounting for pressor-bar-actuating lever for self-filling fountain-pens. No. 1,228,177; May 29; v. 238; p. 1542.
- Britton, Arthur T., San Jose, Cal. Tilling-machine. No. 1,233,442; July 17; v. 240; p. 696.
- Britton, Charles S. (See Doyle, James E., assignor.)
- Britton, Charles S., Cleveland, Ohio. Tax-check contrivance. No. 1,247,628; Nov. 27; v. 244; p. 831.
- Britton, Jarvis A., Los Angeles, Cal., assignor to The National Motor Supply Company, Cleveland, Ohio. Fuel-gage for automobiles. No. 1,226,618; May 15; v. 238; p. 949.
- Britton, Lewis C., Egeland, N. D. Collapsible box or crate. No. 1,223,253; Apr. 17; v. 237; p. 856.
- Britton, Osa L., El Paso, Tex. Direction-indicator. No. 1,242,516; Oct. 9; v. 243; p. 372.
- Brixius, Frank E., assignor to Manitowoc Electric Implement Co., Manitowoc, Wis. Electromagnetic vibrator. No. 1,226,635; May 22; v. 238; p. 994.
- Brixius, Frank E., assignor to Manitowoc Electric Implement Co., Manitowoc, Wis. Electromagnetic vibrator. No. 1,230,857; June 26; v. 239; p. 954.
- Brizendine, Olie, Miami, Tex. Resilient wheel for vehicles. No. 1,243,804; Oct. 23; v. 243; p. 842.
- Broad, Charles E., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,237,463; Aug. 21; v. 241; p. 692.
- Broad, William. (See McLain, Harry E., assignor.)
- Broad, William, Beaver Falls, assignor of three-fourths to H. B. McLain, Pittsburgh, Pa. Massage-vibrator. No. 1,234,619; July 24; v. 240; p. 1113.
- Broadbent, David L. J., Southport, England. Fitting for electrical conduit systems. No. 1,224,269; May 1; v. 238; p. 56.
- Broadbooks, Peter, Batavia, N. Y. Shears for shearing metal. No. 1,218,521; Mar. 6; v. 236; p. 218.
- Broadbooks, Peter, Batavia, N. Y. Vehicle bow support and fastener. No. 1,250,789; Dec. 18; v. 245; p. 759.
- Broadfield Poultry Farm. (See Bowers, George W., assignor.)
- Broadfield Poultry Farm. (See Warren, John B., assignor.)
- Broadmeyer, Albert, assignor to W. O. Hickok Mfg. Co., Harrisburg, Pa. Valve-changing device. No. 1,231,483; June 26; v. 239; p. 1164.
- Broadmeyer, Albert, assignor to The W. O. Hickok Manufacturing Company, Harrisburg, Pa. Pen-clamp for ruling-machines. No. 1,248,256; Nov. 27; v. 244; p. 1012.
- Broadus, Homer T. (See Armstrong, Frank J., assignor.)
- Broadwin, I. Lawrence. (See Ferguson, Cara S., assignor.)
- Broady, Harry W., Bayside, N. Y. Treating wood. No. 1,217,559; Feb. 27; v. 235; p. 1211.
- Broady, Harry W., Bayside, N. Y., assignor to Welin Marine Equipment Company. Life-boat and the like. No. 1,226,944; May 22; v. 238; p. 1099.
- Broberg, Herbert C., Eagle Bend, Minn. Manure-scoop. No. 1,243,136; Oct. 16; v. 243; p. 604.
- Brochet, André, Paris, France. Producing alcohols by hydrogenation. No. 1,247,629; Nov. 27; v. 244; p. 831.
- Brochet, André, Paris, France. Manufacture of leuco derivatives of vat dyestuffs. No. 1,247,927; Nov. 27; v. 244; p. 920.
- Brock, Arthur, Jr. (See Holst, Lodewyk J. R., assignor.)
- Brock, Arthur, Jr. (See Pedersen, Niels, assignor.)
- Brock, Chester A., Chamberlain, S. D. Jack. No. 1,235,105; July 31; v. 240; p. 1297.
- Brock, Frank P. (See Redman, Weith, and Brock.)
- Brock, Marcus I., Wayne, Pa. Wheel-hub. No. 1,228,398; June 5; v. 239; p. 8.
- Brock, Matthias, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-supporting jack. No. 1,217,401; Feb. 27; v. 235; p. 1152.
- Brock, Matthias, Roxbury, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Last. No. 1,240,174; Sept. 18; v. 242; p. 526.
- Brock, Richard E., Canton, Ohio. Tube-reducing mill. No. 1,211,070; Jan. 2; v. 234; p. 239.
- Brockbank, John, Sydney, New South Wales, Australia. Apparatus for grinding lenses. No. 1,221,280; Apr. 3; v. 237; p. 99.
- Brockelbank, Clarence H., Shoreham-by-Sea, England. Apparatus or device to control safe night landing of aeroplanes. No. 1,239,155; Sept. 4; v. 242; p. 140.
- Brockenbrough, Hugh B., Fort Dodge, Iowa. Cable connection for tramway-cars. No. 1,242,915; Oct. 16; v. 243; p. 534.
- Brocker, F. C. (See Wilson, Elmer A., assignor.)
- Brockett, Bluford W. (See Benjamin and Brockett.)
- Brockett, Bluford W., Cleveland, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Garment-press. No. 1,245,314; Nov. 6; v. 244; p. 52.
- Brockett, Charles W., Brooklyn, assignor to W. R. Ostrander & Company, New York, N. Y. Electric switch. No. 1,251,178; Dec. 25; v. 245; p. 923.
- Brockett, Earl, Murdock, Fla. Socket and clamp for dipper-staff handles. No. 1,237,163; Aug. 14; v. 241; p. 557.
- Brockett, Paul. (See Lowe and Brockett.)
- Brockhausen, Henry F. W., St. Louis, Mo. Garbage reduction and transportation system. No. 1,210,408; Jan. 2; v. 234; p. 10.
- Brockie, James, Forest Hill, London, England. Magazine arc-lamp. No. 1,229,876; June 12; v. 239; p. 555.
- Brocklebank, Arthur P., Brooklyn, N. Y., assignor to General Electric Company. Centrifugal pumping apparatus. No. 1,231,484; June 26; v. 239; p. 1164.
- Brockmann, Christian H., Union Center, Wis. Motor-driven vehicle. No. 1,237,288; Aug. 21; v. 241; p. 635.
- Brocksmith, Adolph R., St. Louis, Mo. Radius-rod support. No. 1,230,106; June 19; v. 239; p. 666.
- Brockton Heel Company. (See Woodward, William, assignor.)
- Brockway, Charles H., Detroit, Mich. Valve-lifter. No. 1,247,366; Nov. 20; v. 244; p. 724.
- Brockway, Edwin L., Glenside, Pa. Identification-tag. No. 1,219,009; Mar. 20; v. 236; p. 770.
- Brockway, Leslie S., Minneapolis, Minn. Clip. No. 1,225,921; May 15; v. 238; p. 716.
- Broderick, James F. (See Bartholomew and Broderick.)
- Broderick, James F. (See Bartholomew, Broderick, and Balzer.)
- Broderick, Patrick F., and J. H. Harter, Bridgeport, Conn. Vehicle-wheel. No. 1,216,937; Feb. 20; v. 235; p. 949.
- Brodton, Edward R., Washington, D. C., assignor, by mesne assignments, to Sypho-Chemical Sprinkler Corporation, New York, N. Y. Automatic fire-extinguisher. No. 1,234,620; July 24; v. 240; p. 1113.
- Broecker, Hildegard A. (See Hampden, Wellesley R., assignor.)
- Brogan, James A., Lawrence, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Welt-preparing machine. No. 1,241,087; Sept. 25; v. 242; p. 844.
- Brogan, James A., Lawrence, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Weltting. No. 1,241,088; Sept. 25; v. 242; p. 844.
- Brogan, James A., Lawrence, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Preparing a weltting. No. 1,241,089; Sept. 25; v. 242; p. 845.
- Brogan, James A., Lawrence, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Welt-fitting machine. No. 1,249,590; Dec. 11; v. 245; p. 366.

Alphabetical list of patentees—Continued.

- Brogan, Michael F., Lawrence, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Welt-beating machine. No. 1,234,276; July 24; v. 240; p. 1002.
- Brogden, Joah, assignor to David Lupton's Sons Company, Philadelphia, Pa. Joint for sash-bars. No. 1,225,727; May 8; v. 238; p. 607.
- Brogden, Joah, assignor to David Lupton's Sons Company, Philadelphia, Pa. Sectional partition. No. 1,236,142; Aug. 7; v. 241; p. 196.
- Brogdon, James F., Thomasville, Ga., assignor to Montague Mailing Machinery Co., Chattanooga, Tenn. Apparatus for printing from individual record-plates. No. 1,249,016; Dec. 4; v. 245; p. 171.
- Brogdon, Joel E., assignor of one-fourth to A. H. Arrington, Montgomery, Ala. Reversing valve-gear. No. 1,240,663; Sept. 18; v. 242; p. 679.
- Broida, Max. (See Dubinsky, Simon, assignor.)
- Brokaw, William G., Paris, France. Apparatus for nasal douches, injections, and other like purposes. No. 1,215,475; Feb. 13; v. 235; p. 379.
- Brokaw, William G., Paris, France. Apparatus for inflating life-preserving belts. No. 1,226,857; May 22; v. 238; p. 1069.
- Brokaw, William G., Paris, France. Apparatus for inflating life-preserving belts. No. 1,230,858; June 26; v. 239; p. 954.
- Brokaw-Eden Manufacturing Company. (See Eden, Harold W., assignor.)
- Brollin, Jonas, Sioux Falls, S. D. Removing fiber from unretted flax-straw and preparing the residue for stock food. No. 1,239,667; Sept. 11; v. 242; p. 330.
- Broman, John G., Chicago, Ill. Smokeless oven-furnace. No. 1,220,394; Mar. 27; v. 236; p. 979.
- Bromberg, Oscar F. R., San Diego, Cal. Tire-valve. No. 1,249,591; Dec. 11; v. 245; p. 366.
- Bromberger Maschinenbau-Anstalt, Gesellschaft mit beschränkter Haftung. (See Neufeldt, Emil, assignor.)
- Bromley, Henry C. (See Jones, Clarence H., assignor.)
- Bronander, Bertil W., Brooklyn, assignor to Wahlstrom Tool Company, New York, N. Y. Tapping attachment for boring-machines. No. 1,224,596; May 1; v. 238; p. 172.
- Bronn, Jegor I., Rombach, Lorraine, assignor of one-half to Rombacher Hüttenwerke, Rombach, Germany. Treatment of coke-oven gases. No. 1,211,395; Jan. 9; v. 234; p. 383.
- Bronn, Jegor I., assignor of one-half to Rombacher Hüttenwerke, Rombach, Germany. Manufacturing iron and steel. No. 1,233,970; July 17; v. 240; p. 868.
- Bronner, Frederick H., assignor to The Irwin-Hodson Company, Portland, Oreg. Labeling an article. No. 1,229,877; June 12; v. 239; p. 555.
- Bronner, Joseph W., Baltimore, Md. Can attachment. No. 1,221,666; Apr. 3; v. 237; p. 230.
- Bronson, Adelbert E., Cleveland, Ohio. Detachable cap. No. 1,250,957; Dec. 25; v. 245; p. 859.
- Bronson, E. J. (See McLain, Victor C., assignor.)
- Bronson, Ralph C., Chicago, Ill. Electric fuse. No. 1,245,863; Nov. 6; v. 244; p. 218.
- Brönstedt, Johannes N., assignor to Hellesens Enke & V. Løvsgaen, Copenhagen, Denmark. Galvanic battery-cell of the mercuric-oxid type. No. 1,219,074; Mar. 13; v. 236; p. 450.
- Brooke Aircraft Company, The. (See Brooke, Thomas P., assignor.)
- Brooke, Frank P. (See Mansure, John F., assignor.)
- Brooke, Thomas P., Chicago, Ill. Motor. No. 1,210,409; Jan. 2; v. 234; p. 10.
- Brooke, Thomas P., Chicago, Ill. Motor. No. 1,238,488; Aug. 28; v. 241; p. 1056.
- Brooke, Thomas P., Chicago, Ill. Motor. No. 1,247,788; Nov. 27; v. 244; p. 881.
- Brooke, Thomas P., Chicago, Ill., assignor to The Brooke Aircraft Company. Safety-balloonettes for boats and the like. No. 1,240,414; Sept. 18; v. 242; p. 603.
- Brooker, Silas E., La Crosse, Fla. Cane-mill. No. 1,228,178; May 29; v. 238; p. 1542.
- Brookes, Peter, assignor to Nairn Linoleum Company, Kearney, N. J. Plunger for cutting-cylinders. No. 1,245,668; Nov. 6; v. 244; p. 160.
- Brooklyn Cooperage Company. (See Sullivan and Von Beck, assignors.)
- Brookman, Sydney G. G., Bristol, England. Automatic gas-controller. No. 1,227,879; May 29; v. 238; p. 1443.
- Brooks, Alfred A., West Medford, Mass., assignor to General Electric Company. Valve-gear. No. 1,216,204; Feb. 13; v. 235; p. 644.
- Brooks, Augustus F., Bedford, assignor to F. Davenport, Cincinnati, Ohio. Machine for use in the manufacture of paper boxes. No. 1,212,182; Jan. 16; v. 234; p. 683.
- Brooks, Benjamin T. (See Bacon, Brooks, and Clark.)
- Brooks, Benjamin T. (See Hibbert, Essex, and Brooks.)
- Brooks, Benjamin T., and I. Humphrey, assignors to Gulf Refining Company, Pittsburgh, Pa. Manufacture of glycols. No. 1,215,908; Feb. 13; v. 235; p. 535.
- Brooks, Benjamin T., and F. W. Padgett, assignors to Gulf Refining Company, Pittsburgh, Pa. Manufacture of a non-saponifiable unsaturated hydrocarbon oil from a drying-oil. No. 1,220,820; Mar. 27; v. 236; p. 1126.
- Brooks, Benjamin T., and F. W. Padgett, assignors to Gulf Refining Company, Pittsburgh, Pa. Manufacture of a non-volatile unsaturated hydrocarbon from petroleum. No. 1,220,821; Mar. 27; v. 236; p. 1126.
- Brooks, Benjamin T., and H. Essex, assignors to Gulf Refining Company, Pittsburgh, Pa. Manufacture of alcohols. No. 1,221,667; Apr. 3; v. 237; p. 230.
- Brooks, Benjamin T., and D. F. Smith, assignors to Gulf Refining Company, Pittsburgh, Pa. Production of chlorinated hydrocarbons. No. 1,231,123; June 26; v. 239; p. 1046.
- Brooks, Benjamin T., and D. F. Smith, assignors to Gulf Refining Company, Pittsburgh, Pa. Chlorination of oil-gas. No. 1,235,283; July 31; v. 240; p. 1350.
- Brooks, Clayton A., Girard, Pa. Safety device for railways. No. 1,221,826; Apr. 10; v. 237; p. 318.
- Brooks, Clayton A., Girard, Pa. Safety apparatus for railways. No. 1,221,827; Apr. 10; v. 237; p. 319.
- Brooks, David. (See Chalupa and Brooks.)
- Brooks, David, Jr. (See Chalupa and Brooks.)
- Brooks, David W., assignor to Concrete Steel Company, New York, N. Y. Facing bar for concrete structures. No. 1,244,831; Oct. 20; v. 243; p. 1190.
- Brooks, Edward, Rochester, N. Y. Sewing-cabinet. No. 1,242,916; Oct. 16; v. 243; p. 535.
- Brooks, Emerson S., Morgantown, N. C. Railway cross-tie. No. 1,227,036; May 22; v. 238; p. 1131.
- Brooks, Frederick A., Urbana, Ill. Rotary engine. No. 1,226,745; May 22; v. 238; p. 1030.
- Brooks, G. B., et al. (See Underwood, Charles W., assignor.)
- Brooks, George S., and L. G. Duncan, Depue, Ill., assignors to New Jersey Zinc Company, New York, N. Y. Filtering apparatus. No. 1,240,305; Sept. 18; v. 242; p. 569.
- Brooks, Harold, Weymouth, Mass. Sheet-metal wall for buildings. No. 1,250,551; Dec. 18; v. 245; p. 689.
- Brooks, Hugh, Glasgow, Mont. Shoe-horn. No. 1,224,846; May 1; v. 238; p. 259.
- Brooks, Hugh, Glasgow, Mont. Lifter. No. 1,232,488; July 10; v. 240; p. 350.
- Brooks, Hugh O., assignor of one-half to J. L. McGlothlen, Ottumwa, Iowa. Safety combination powder and fuse can. No. 1,237,164; Aug. 14; v. 241; p. 557.
- Brooks, John, assignor of one-half to G. E. Sullivan, Marietta, Okla. Device for preventing flies entering houses. No. 1,244,696; Oct. 30; v. 243; p. 1148.
- Brooks, John W., New York, N. Y. Valve-refacing tool. No. 1,237,165; Aug. 14; v. 241; p. 558.
- Brooks, Julius E., East Haven, assignor to Sargent & Company, New Haven, Conn. Casket-handle. No. 1,211,668; Jan. 9; v. 234; p. 475.
- Brooks, Oliver C., Baltimore, Md., assignor to International Conveyor Corporation, New York, N. Y. Belt-fastener. No. 1,250,958; Dec. 25; v. 245; p. 860.
- Brooks, Robert J., and F. E. Martin, Malvern, Ark. Armor for automobile-tires. No. 1,210,594; Jan. 2; v. 234; p. 74.
- Brooks, Sidney R., Salamanca, N. Y. Burglar-alarm. No. 1,211,669; Jan. 9; v. 234; p. 476.
- Brooks, Thomas A., Newton, Kans. Safety gas-valve. No. 1,246,537; Nov. 13; v. 244; p. 448.
- Brooks, William G., Chicago, Ill., assignor to Westinghouse Electric and Manufacturing Company. Lubricating device. No. 1,224,133; May 1; v. 238; p. 6.
- Brooks, William H. (See Hines, Edward, assignor.)
- Brooks, William J., Westholm, Letchworth, England. Supporting-strut for show-cards, photograph-frames, and other articles. No. 1,217,402; Feb. 27; v. 235; p. 1153.
- Brooks, William P., Weleetka, Okla. Hat-covering. No. 1,214,128; Jan. 30; v. 234; p. 1425.
- Brooks, Winfred M., East Orange, N. J., assignor to E. J. Brooks & Co., New York, N. Y. Seal. No. 1,219,075; Mar. 13; v. 236; p. 450.
- Brooks, Winfred M., East Orange, N. J., assignor to E. J. Brooks & Co., New York, N. Y. Seal. No. 1,219,076; Mar. 13; v. 236; p. 451.
- Brooks, Winfred M., East Orange, N. J., assignor to E. J. Brooks & Co., New York, N. Y. Wire-netting machine. No. 1,219,622; Mar. 20; v. 236; p. 670.
- Brooks, Winfred M., East Orange, N. J., assignor to E. J. Brooks & Co., New York, N. Y. Meter-seal. No. 1,237,289; Aug. 21; v. 241; p. 635.
- Brooksbank, Ethelbert, assignor to Brooksbank Limited, Bradford, England. Spinning-frame stop-motion. No. 1,227,379; May 22; v. 238; p. 1244.
- Brooksbank Limited. (See Brooksbank, Ethelbert, assignor.)
- Broomall, Aubrey L., Wilkinsburg, and E. G. Tidlung, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Bearing. No. 1,241,493; Oct. 2; v. 243; p. 5.
- Broomell, Albert P., York, Pa. Automatic heating system. No. 1,236,257; Aug. 7; v. 241; p. 234.
- Broomell, Albert P., York, Pa. Spark-plug. No. 1,244,416; Oct. 23; v. 243; p. 1025.
- Broomfield, Horace W., Boston, Mass. Vegetable-cutter. No. 1,234,724; July 31; v. 240; p. 1179.
- Brophy, Michael M., Margate, England. Antirolling device for motor and other vehicles. No. 1,229,577; June 12; v. 239; p. 456.
- Bropson, James, Cleveland, Ohio. Resilient wheel. No. 1,245,184; Nov. 6; v. 244; p. 12.
- Bropson, James, Cleveland, Ohio. Flashing. No. 1,249,892; Dec. 11; v. 245; p. 456.
- Brorby, Jacob L., Shenandoah, Iowa. Flushing-cart. No. 1,211,396; Jan. 9; v. 234; p. 383.
- Brorein, William G. (See Blinck, Jean R. V., assignor.)

- Brosius, Edgar E., Pittsburgh, Pa. Grab-bucket. No. 1,214,997; Feb. 6; v. 235; p. 182.
- Brosius, Edgar E., Pittsburgh, Pa. Hoisting-bucket. No. 1,228,526; June 5; v. 239; p. 52.
- Brosnan, Frank, Des Moines, Iowa. Tire-carrier. No. 1,244,417; Oct. 23; v. 243; p. 1026.
- Brosnan, John, Jr. (See Donner, John L., assignor.)
- Brosnik, Bertel B., Duluth, Minn. Tire-securing device. No. 1,235,546; Aug. 7; v. 241; p. 5.
- Brothen, Ole O., Westby, Wis. Sled. No. 1,220,822; Mar. 27; v. 236; p. 1127.
- Brothers, Grover C. (See Burns and Beach, assignors.)
- Brothers, William F., Brooklyn, N. Y. Balanced cable-crane. No. 1,245,185; Nov. 6; v. 244; p. 13.
- Brothers, William F., Brooklyn, N. Y. Balanced crane or derrick. No. 1,245,186; Nov. 6; v. 244; p. 13.
- Brotherston, Alexander M., Moncton, assignor of one-half to H. A. Frank, Millarston, New Brunswick, Canada. Machine-gun. No. 1,216,938; Feb. 20; v. 235; p. 949.
- Brotherston, Alexander M., Moncton, assignor of one-half to H. A. Frank, Millarston, New Brunswick, Canada. Method of and apparatus for cooling gun-barrels. No. 1,216,939; Feb. 20; v. 235; p. 950.
- Brotman, Philip H. (See Young, Henry A., assignor.)
- Brougham, Arthur R., West Hampstead, London, England. Internal-combustion engine. No. 1,229,217; June 12; v. 239; p. 833.
- Broughton, Lyman D., Newington, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,249,317; Dec. 11; v. 245; p. 288.
- Broughton, Walter W. (See Walker, George L., assignor.)
- Brouillet, Viletta A., San Luis Obispo, Cal. Spool-holder. No. 1,215,476; Feb. 13; v. 235; p. 380.
- Brouillette, Alfred L., Campbell, Nebr. Revolving lace-cabinet. No. 1,228,878; June 5; v. 239; p. 172.
- Brouillier, Walter. (See Bocchino, Ernest, assignor.)
- Broussard, Aman G., Breaux Bridge, La. Test-drill. No. 1,224,847; May 1; v. 238; p. 259.
- Brouwer-Ancher, Cornelis L., Minneapolis, Minn. Grape-fruit pliers. No. 1,223,556; Apr. 24; v. 237; p. 996.
- Broward, Benjamin T., Cleveland, Ohio. Tool-holder for automatic machines. No. 1,222,178; Apr. 10; v. 237; p. 443.
- Brower, Abraham T. H., Chicago, Ill. Printing-press. No. 1,218,049; Mar. 6; v. 236; p. 57.
- Brown, Abram B., Cleveland, Ohio, assignor to The Carey Company. Insulation. No. 1,228,378; May 29; v. 238; p. 1606.
- Brown, Albert, assignor of one-half to R. E. Talbott, Philippi, W. Va. Foldable ladder. No. 1,251,334; Dec. 25; v. 245; p. 970.
- Brown, Albert H., Grand Rapids, Mich. Coal-scuttle. No. 1,227,527; May 22; v. 238; p. 1294.
- Brown, Albert T. (See Eustis and Brown.)
- Brown, Aleck. (See Belton, John D., assignor.)
- Brown, Alexander C., and W. K. Monroe, assignors to The Brown Hoisting Machinery Company, Cleveland, Ohio. Apparatus for handling material. No. 1,236,047; Aug. 7; v. 241; p. 169.
- Brown, Alexander T., Syracuse, N. Y. Transmission-gearing for motor agricultural machines. No. 1,234,863; July 31; v. 240; p. 1221.
- Brown, Alexander T., Syracuse, N. Y. Traction-machine. No. 1,247,073; Nov. 20; v. 244; p. 640.
- Brown, Alexander T., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Gearing. No. 1,227,242; May 22; v. 238; p. 1202.
- Brown, Alfred, Denton, near Manchester, England. Machine for making hat-brim wires. No. 1,216,409; Feb. 20; v. 235; p. 769.
- Brown, Alfred G., Los Angeles, Cal., assignor to Union Fibre Company, Winona, Minn. Insulating-floor. No. 1,229,407; June 12; v. 239; p. 398.
- Brown, Alfred W., assignor to W. & T. Avery, Limited, Smethwick, England. Automatic weighing-scale. No. 1,233,641; July 17; v. 240; p. 763.
- Brown, Alice E., Shelburne Falls, Mass. Treating maple-syrup. No. 1,245,669; Nov. 6; v. 244; p. 161.
- Brown, Allen B., Portland, Oreg. Rail-joint. No. 1,227,742; May 29; v. 238; p. 1396.
- Brown, Alvan B., Grand Rapids, Mich. Vehicle-spring. No. 1,245,564; Nov. 6; v. 244; p. 128.
- Brown, Alvan B., assignor of one-half to C. H. Field, Grand Rapids, Mich. Sprayer. No. 1,232,489; July 10; v. 240; p. 350.
- Brown, Alvin, Plainfield, Ill. Tractor. No. 1,222,260; Apr. 10; v. 237; p. 472.
- Brown, Archie E., assignor of one-eighth to G. D. Flory, one-eighth to C. Davis, and one-tenth to C. N. Bassett, El Paso, Tex. Centrifugal gun. No. 1,240,815; Sept. 25; v. 242; p. 759.
- Brown, Arthur J., Milwaukee, Wis. Filter. No. 1,250,275; Dec. 18; v. 245; p. 606.
- Brown, Arthur J., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Gage. No. 1,216,544; Feb. 20; v. 235; p. 816.
- Brown, Arthur J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Bearing. No. 1,227,880; May 29; v. 238; p. 1443.
- Brown, Arthur J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Brush-lifting device. No. 1,231,844; July 8; v. 240; p. 104.
- Brown, Arthur L., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Liquid coating composition. No. 1,212,738; Jan. 16; v. 234; p. 884.
- Brown, Arthur L., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Treatment of hydrocarbon oils. No. 1,234,862; July 31; v. 240; p. 1221.
- Brown, Arthur L., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Impregnating process. No. 1,248,447; Dec. 4; v. 245; p. 6.
- Brown Bag Filling Machine Company. (See Brown, Benjamin F., assignor.)
- Brown, Barney R., Heber Springs, Ark. Railway-joint. No. 1,216,205; Feb. 13; v. 235; p. 645.
- Brown, Benjamin F., assignor to Brown Bag Filling Machine Company, Fitchburg, Mass. Assembling apparatus. No. 1,235,284; July 31; v. 240; p. 1351.
- Brown, Berenice. (See Brown, Charles H., assignor.)
- Brown & Bigelow. (See Kristofek, Frank J., assignor.)
- Brown Brothers Limited. (See Joseph, Simon, assignor.)
- Brown, Byron C., New York, N. Y. Clam-shell bucket. No. 1,234,277; July 24; v. 240; p. 1002.
- Brown, C. Luther, Chandler, Okla. Tapping device. No. 1,241,917; Oct. 2; v. 243; p. 144.
- Brown, Calvin S., Trenton, N. J. Bottle-opener. No. 1,248,608; Dec. 4; v. 245; p. 54.
- Brown, Carl A., Fostoria, and A. M. Klingman, Cleveland, Ohio, assignors to General Electric Company. Electric lighting-fixture. No. 1,246,047; Nov. 13; v. 244; p. 301.
- Brown, Carl E., Columbus, Ohio. Toy kick-car. No. 1,213,454; Jan. 23; v. 234; p. 1165.
- Brown, Carl E., Columbus, Ohio. Oil-burner. No. 1,228,399; June 5; v. 239; p. 8.
- Brown, Carl F., St. Albans, Vt. Portable lamp for harness. No. 1,232,201; July 3; v. 240; p. 223.
- Brown, Carlton W., Groton, Conn. Machine for affixing and printing tags. No. 1,230,107; June 19; v. 239; p. 666.
- Brown, Carlton W., Groton, Conn. Tag. No. 1,244,832; Oct. 30; v. 243; p. 1190.
- Brown, Charles A. (See Johnson, Philip D., assignor.)
- Brown, Charles C., Macon, Ga. Waste-receptacle. No. 1,237,016; Aug. 14; v. 241; p. 512.
- Brown, Charles F., Salt Lake City, Utah. Railway road-bed. No. 1,225,218; May 8; v. 238; p. 435.
- Brown, Charles F., assignor to Universal Liquid Register Company, New York, N. Y. Liquid measuring and dispensing apparatus. No. 1,224,355; May 1; v. 238; p. 87.
- Brown, Charles H., assignor to B. Brown, Brookline, Mass. Last. No. 1,237,464; Aug. 21; v. 241; p. 692.
- Brown, Charles H., assignor to B. Brown, Brookline, Mass. Shoe. No. 1,249,318; Dec. 11; v. 245; p. 289.
- Brown, Charles J., River Falls, Wis. Ladder. No. 1,246,709; Nov. 13; v. 244; p. 498.
- Brown, Charles P. (See Smith, Charles D., assignor.)
- Brown, Charles S., Syracuse, N. Y. Transmission-gearing. No. 1,216,410; Feb. 20; v. 235; p. 769.
- Brown, Charley S., Kenedy, Tex. Wrench. No. 1,218,522; Mar. 6; v. 236; p. 218.
- Brown, Chester W., and W. A., Mass, Mich. Rotary engine. No. 1,231,328; June 26; v. 239; p. 1113.
- Brown, Christy, Wilmette, assignor to American Car Roof Company, Chicago, Ill. Car-roof. No. 1,218,624; Mar. 13; v. 236; p. 292.
- Brown, Clarence H., Chicago, Ill., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Type-writing machine. No. 1,216,251; Feb. 13; v. 235; p. 660.
- Brown, Clarence J., Cleveland, Ohio. Duplicating-register. No. 1,249,893; Dec. 11; v. 245; p. 456.
- Brown, Clarence J., assignor of one-half to T. M. Campbell, Cleveland, Ohio. Trousers hanger and presser. No. 1,242,135; Oct. 9; v. 243; p. 253.
- Brown, Claude M., Burlington, Vt. Evaporator for maple-sugar and the like. No. 1,238,489; Aug. 28; v. 241; p. 1056.
- Brown, Clyde V., and A. Russell, Ohio City, Ohio. Revolving harrow. No. 1,248,257; Nov. 27; v. 244; p. 1013.
- Brown Daisy Products Company. (See Harlow, Louis, assignor.)
- Brown, David, Eldorado, Ill. Railway-crossing. No. 1,213,070; Jan. 16; v. 234; p. 996.
- Brown, David, Eldorado, Ill. Fluid-coupling. No. 1,239,345; Sept. 4; v. 242; p. 200.
- Brown, David, Lawrence, Mass. Loom-shuttle. No. 1,229,578; June 12; v. 239; p. 456.
- Brown, David H. (See Faber, Daniel B., assignor.)
- Brown, David W., New York, N. Y. Intensifier of high-frequency electric oscillations. No. 1,235,650; Aug. 7; v. 241; p. 39.
- Brown, Davis, assignor to American Clay Machinery Company, Bucyrus, Ohio. Apparatus for cutting clay products. No. 1,245,432; Nov. 6; v. 244; p. 86.
- Brown, Earl W., Anacortes, Wash. Unloading-valve. No. 1,240,664; Sept. 18; v. 242; p. 679.
- Brown, Edmund N., San Francisco, Cal., assignor to Majestic Electric Development Company. Electric heater. No. 1,245,084; Oct. 30; v. 243; p. 1266.
- Brown, Edward E., Detroit, Mich. Machine for working plastic materials. No. 1,246,048; Nov. 13; v. 244; p. 301.

Alphabetical list of patentees—Continued.

- Brown, Edward R., Boston, Mass. Measuring-faucet. No. 1,225,699; May 8; v. 238; p. 598.
- Brown, Edward R., Rocky Ford, Colo. Belt-guide. No. 1,240,537; Sept. 18; v. 242; p. 641.
- Brown, Edward V., Los Angeles, Cal. Steam-generator. No. 1,235,764; Aug. 7; v. 241; p. 76.
- Brown, Edwin W., Vining, Kans. Sail raising and lowering means. No. 1,248,067; Nov. 27; v. 244; p. 957.
- Brown, Elbert, Tulare, Cal. Wheel-rim. No. 1,238,879; Sept. 4; v. 242; p. 51.
- Brown, Emmett J., Terre Haute, Ind. Air-compressor. No. 1,232,202; July 3; v. 240; p. 223.
- Brown, Eric F., Buxton, Iowa. Vehicle road-track. No. 1,225,008; May 8; v. 238; p. 365.
- Brown, Ernest, London, England, assignor to M. M. A. H. de Dampierre, Paris, France. Apparatus for treating heavy oils. No. 1,225,569; May 8; v. 238; p. 555.
- Brown, Ernest E., Chicago, Ill. Key-guide for keyholes. No. 1,223,366; Apr. 24; v. 237; p. 927.
- Brown, Eugene, Colfax, Wash. Loader. No. 1,244,024; Oct. 23; v. 243; p. 909.
- Brown, Eugene S., Oak Station, Pa. Gas-log. No. 1,239,346; Sept. 4; v. 242; p. 200.
- Brown, Evan A., Tacoma, Wash. Dental tray. No. 1,226,457; May 15; v. 238; p. 898.
- Brown, Fay C., Berkeley, Cal. Selenium bridge and making same. No. 1,219,432; Mar. 20; v. 236; p. 604.
- Brown Folding Machine Company. (See Reinhold, William, assignor.)
- Brown, Francis H., Philadelphia, Pa. Effecting and regulating combustion in furnaces. No. 1,247,215; Nov. 20; v. 244; p. 682.
- Brown, Francis H., Philadelphia, Pa. Automatic regulating mechanism. No. 1,247,216; Nov. 20; v. 244; p. 682.
- Brown, Francis H., and O. Reeser, assignors of one-fourth to J. S. Latta, one-fourth to T. L. Latta, one-fourth to J. Latta, and one-fourth to said Francis H. Brown, Philadelphia, Pa. Regulating and controlling device. No. 1,247,217; Nov. 20; v. 244; p. 683.
- Brown, Frank W., Belding, Mich. Adjustable saw-setting device. No. 1,217,697; Feb. 27; v. 235; p. 1259.
- Brown, Frederick W., assignor to M. M. Wollner and C. M. Wollner, New York, N. Y. Aquatic toy. No. 1,244,948; Oct. 30; v. 243; p. 1226.
- Brown, George, Chicago, Ill. Adjustable shore. No. 1,223,367; Apr. 24; v. 237; p. 927.
- Brown, George, Jr., Lynn, Mass. Shoe-rack. No. 1,222,728; Apr. 17; v. 237; p. 679.
- Brown, George C. (See Honsberger, William H., assignor.)
- Brown, George F. (See Ellis and Brown.)
- Brown, George H., Wilkesburg, Pa. Ash-retaining cigarette and the like. No. 1,211,071; Jan. 2; v. 234; p. 240.
- Brown, George H., Wilkesburg, Pa. Bottle-stopper. No. 1,247,497; Nov. 20; v. 244; p. 762.
- Brown, George L., Plant City, Fla. Tooth-brush. No. 1,212,010; Jan. 9; v. 234; p. 596.
- Brown, George M. (See Hitchner, Rumpf, and Brown.)
- Brown, George R., Oklahoma, Okla., assignor, by mesne assignments, to Clayton Gin Compress Co., Houston, Tex. Device for fastening cotton-bale covers. No. 1,247,630; Nov. 27; v. 244; p. 831.
- Brown, George R., assignor of one-third to B. Clayton and one-third to W. L. Clayton, Oklahoma, Okla. Baling-press. No. 1,215,613; Feb. 13; v. 235; p. 433.
- Brown, Glenn C., Nashville, Tenn. Power-transmission device. No. 1,212,896; Jan. 16; v. 234; p. 936.
- Brown, Hanson & Boettcher. (See Willis, George M., assignor.)
- Brown, Harlow R., Yonkers, assignor to Philip Strobel & Sons, Inc., New York, N. Y. Convertible table. No. 1,212,897; Jan. 16; v. 234; p. 936.
- Brown, Harold G., Westminster, assignor to McKenzie Holland & Westinghouse Power Signal Company Limited, London, England. Signaling apparatus. No. 1,233,443; July 17; v. 240; p. 696.
- Brown, Harold P., Montclair, N. J. Method of and means for preventing the disintegration of concrete structures. No. 1,230,373; June 19; v. 239; p. 754.
- Brown, Harold W., Ithaca, N. Y., assignor to Westinghouse Electric and Manufacturing Company. Electrical protective device. No. 1,214,129; Jan. 30; v. 234; p. 1425.
- Brown, Harold W., Ithaca, N. Y., assignor to Westinghouse Electric and Manufacturing Company. Electrical regulator. No. 1,234,864; July 31; v. 240; p. 1221.
- Brown, Harold W., Ithaca, N. Y., assignor to Westinghouse Electric and Manufacturing Company. Electrical regulator. No. 1,234,865; July 31; v. 240; p. 1222.
- Brown, Harold W., Ithaca, N. Y., assignor to Westinghouse Electric and Manufacturing Company. Electrical protective device. No. 1,238,251; Aug. 28; v. 241; p. 978.
- Brown, Harry C., Westwood, N. J., assignor to H. B. Newhall, Littleton, N. H. Combination vise, anvil, and drill, and parts thereof. No. 1,217,909; Mar. 6; v. 236; p. 8.
- Brown, Harry C., Westwood, N. J., assignor to H. B. Newhall, Littleton, N. H. Vise. No. 1,217,910; Mar. 6; v. 236; p. 9.
- Brown, Harry C., Westwood, N. J., assignor to H. B. Newhall, Littleton, N. H. Drill mechanism. No. 1,217,911; Mar. 6; v. 236; p. 9.
- Brown, Harry G., North Yakima, Wash. Valve-grinding machine. No. 1,233,022; July 10; v. 240; p. 523.
- Brown, Harry L., Verona, N. J., assignor to Any Package Wrapping Co. Wrapping-machine. No. 1,235,547; Aug. 7; v. 241; p. 5.
- Brown, Harry M., Mendocino, Cal. Pipe. No. 1,231,485; June 26; v. 239; p. 1165.
- Brown, Harry M., assignor to Spring Stopper Company, Brooklyn, N. Y. Bottle-stoppering machine. No. 1,235,429; July 31; v. 240; p. 1393.
- Brown, Harvey E., St. Louis, Mo., assignor to The Simmons Manufacturing Company, Kenosha, Wis. Fabric-making machine. No. 1,224,270; May 1; v. 238; p. 56.
- Brown, Henry, Putney Hill, London, England. Pneumatic tire. No. 1,213,735; Jan. 23; v. 234; p. 1259.
- Brown, Henry, Putney Hill, London, England. Heating apparatus using liquid fuel. No. 1,217,698; Feb. 27; v. 235; p. 1259.
- Brown, Henry, Wimbledon, England. Manufacture of envelopes, postal wrappers, and the like. No. 1,215,248; Feb. 6; v. 235; p. 267.
- Brown, Henry J., New York, N. Y. Cut-out film blanket-strip for autograph-cameras. No. 1,212,447; Jan. 16; v. 234; p. 778.
- Brown, Henry L., assignor to Brown Spin-Wright Company, New York, N. Y. Spindle and power-transmitting mechanism therefor. No. 1,229,025; June 5; v. 239; p. 219.
- Brown, Henry R., Greeneville, Tenn. Vending-machine. No. 1,235,765; Aug. 7; v. 241; p. 77.
- Brown, Henry W. (See Wilkinson, Clarence G., assignor.)
- Brown, Herman, *et al.* (See Swafford, Levi W., assignor.)
- Brown, Herman M. (See Mannon, Brown, and Perkins.)
- Brown Hoisting Machinery Company, The. (See Brown and Monroe, assignors.)
- Brown, Homer D., Ogden, Utah. Beet-topper. No. 1,225,759; May 15; v. 238; p. 662.
- Brown, Horace H., assignor of one-half to G. Piel, New York, N. Y. Sound recording and reproducing machine. No. 1,218,625; Mar. 13; v. 236; p. 292.
- Brown, Horace P., Oakland, assignor to Pacific Burt Co., Emeryville, Cal. Manifolding order-blank. No. 1,211,819; Jan. 9; v. 234; p. 529.
- Brown, Horace P., and C. L. Johnston, Oakland, Cal. Mechanism for interleaving paper. No. 1,219,238; Mar. 13; v. 236; p. 506.
- Brown, Horace P., and C. L. Johnston, Oakland, Cal. Paper towel and tissue machine. No. 1,219,239; Mar. 13; v. 236; p. 507.
- Brown, Horace P., and C. L. Johnston, Oakland, Cal. Mechanism for interleaving paper. No. 1,222,261; Apr. 10; v. 237; p. 472.
- Brown, Horace P., and C. L. Johnston, Oakland, Cal. Mechanism for interleaving sheets. No. 1,228,400; June 5; v. 239; p. 9.
- Brown, Horatio S., Williams, Minn. Insect-trap. No. 1,232,762; July 10; v. 240; p. 440.
- Brown, Horatio S., Williams, Minn. Joint for woodwork. No. 1,236,538; Aug. 14; v. 241; p. 356.
- Brown, Howard, Springfield, Mass. Marking paper. No. 1,231,697; July 3; v. 240; p. 54.
- Brown, Howard, Springfield, Mass. Machine for making loose-leaf ledger-paper. No. 1,231,698; July 3; v. 240; p. 55.
- Brown, Howard, Springfield, Mass. Marking device for paper. No. 1,248,258; Nov. 27; v. 244; p. 1013.
- Brown, Hugh E., assignor of one-half to E. Boyce, Portland, Oreg. Oil-burner. No. 1,223,387; Apr. 17; v. 237; p. 884.
- Brown, Ida, San Francisco, Cal. Corset-stay tip. No. 1,224,597; May 1; v. 238; p. 172.
- Brown, Ira E., Fort Stockton, Tex. Mechanism for operating air-compressors, &c. No. 1,243,586; Oct. 16; v. 243; p. 738.
- Brown, Isaac, New York, N. Y. Facing for a jacket-crown. No. 1,232,203; July 3; v. 240; p. 223.
- Brown, Isaac L., Marshalltown, Iowa. Car-door lock. No. 1,231,486; June 26; v. 239; p. 1165.
- Brown, James, Columbia, Mo. Device for lifting automobiles out of mud-holes. No. 1,226,458; May 15; v. 238; p. 898.
- Brown, James A., *et al.* (See Rathman, Gilbert, assignor.)
- Brown, James A., Cedar Rapids, Iowa. Explosion-engine valve. No. 1,213,582; Jan. 23; v. 234; p. 1209.
- Brown, James E., Brooklyn, N. Y. Automatic feeder for molding and matching machines. No. 1,240,665; Sept. 18; v. 242; p. 680.
- Brown, James F., Bristol, England. Dredge-cutter. No. 1,221,021; Apr. 3; v. 237; p. 6.
- Brown, James H., New York, N. Y. Eyeglass. No. 1,219,433; Mar. 20; v. 236; p. 604.
- Brown, James H., assignor to J. Amann, Chicago, Ill. Corn-banger. No. 1,231,544; June 26; v. 239; p. 1183.
- Brown, James L., Rockport, Ky. Warm-air accumulator and distributor. No. 1,220,723; Mar. 27; v. 236; p. 1092.
- Brown, James M., Johnson City, Tenn. Chlorate explosive. No. 1,218,976; Mar. 13; v. 236; p. 418.

- Brown, James M., Johnson City, Tenn. Smokeless powder and making same. No. 1,222,065; Apr. 10; v. 237, p. 402.
- Brown, James M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Insulator-clamping device. No. 1,236,668; Aug. 14; v. 241; p. 400.
- Brown, James M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Tube-clamp. No. 1,248,448; Dec. 4; v. 245; p. 6.
- Brown, J. Grove, Groton, N. Y. Stone-spreading machine. No. 1,220,945; Mar. 27; v. 236; p. 1166.
- Brown, J. Grove, Groton, N. Y. Chute-wagon. No. 1,221,281; Apr. 3; v. 237; p. 99.
- Brown, J. Grove, Groton, N. Y. Dumping-wagon. No. 1,221,828; Apr. 10; v. 237; p. 319.
- Brown, Jimmy, Jr., Blossburg, Ala. Sign-holder. No. 1,212,898; Jan. 16; v. 234; p. 937.
- Brown, John B., Akron, Ohio. Triple screw-driver. No. 1,225,922; May 15; v. 238; p. 716.
- Brown, John B., Akron, Ohio. Tool-holder. No. 1,236,258; Aug. 7; v. 241; p. 284.
- Brown, John C. (See Knapp, John D. C., assignor.)
- Brown, John C., Atlanta, Ga. Combined square and bevel for ascertaining the length of rafters, &c. No. 1,243,678; Oct. 16; v. 243; p. 767.
- Brown, John F., Providence, R. I. Piston. No. 1,226,459; May 15; v. 238; p. 898.
- Brown, John F., Casa Grande, Ariz. Siphon. No. 1,241,916; Oct. 2; v. 243; p. 144.
- Brown, John F., and A. Humphreys, Casa Grande, Ariz. Vehicle-spring. No. 1,222,066; Apr. 10; v. 237; p. 402.
- Brown, John H., Midvale, Utah. Dental tool. No. 1,217,403; Feb. 27; v. 235; p. 1153.
- Brown, John H., Springfield, Mass. Garbage-can. No. 1,223,760; Apr. 24; v. 237; p. 1068.
- Brown, John H., West Hoboken, N. J., assignor to C. E. Bonner, Champaign, Ill. Making inner tubes for pneumatic tires. No. 1,217,560; Feb. 27; v. 235; p. 1211.
- Brown, John H., Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Feeding and guiding mechanism. No. 1,217,856; Feb. 27; v. 235; p. 1312.
- Brown, John H., assignor to Brown Perfection Tube Company, New York, N. Y. Pneumatic tire. No. 1,238,099; Aug. 28; v. 241; p. 928.
- Brown, John I., Westfield, Mass. Slow-feed manger. No. 1,229,026; June 5; v. 239; p. 219.
- Brown, John J., Newark, N. J. Condensing apparatus. No. 1,230,557; June 19; v. 239; p. 816.
- Brown, John R. (See Glerding and Brown.)
- Brown, John R., assignor to The Ohio Brass Company, Mansfield, Ohio. Bonding rails and like conductors. No. 1,214,005; Jan. 30; v. 234; p. 1383.
- Brown, John T. (See Haley and Brown.)
- Brown, John T. S., Jr., Prospect, Ky. Working head for deep-well pumps. No. 1,218,626; Mar. 13; v. 236; p. 292.
- Brown, Joseph P., Frederick, Okla. Cotton-picker. No. 1,212,899; Jan. 16; v. 234; p. 937.
- Brown, Josiah H., Mindennines, Mo. Car-stopper. No. 1,250,133; Dec. 18; v. 245; p. 562.
- Brown, Julian S., Syracuse, N. Y. Internal-combustion engine. No. 1,247,498; Nov. 20; v. 244; p. 762.
- Brown, Kirk, Montclair, assignor to Condensate Company of America, Bloomfield, N. J. Article composed partly of rubber. No. 1,250,959; Dec. 25; v. 245; p. 860.
- Brown, Le Roy, Lansing, Mich. Explosive-engine. No. 1,213,735; Jan. 23; v. 234; p. 1260.
- Brown, Lewis C., Duboisstown, Pa. Cooking utensil. No. 1,245,670; Nov. 6; v. 244; p. 161.
- Brown, Lewis F., Hammond, Nebr. Loading apparatus. No. 1,216,206; Feb. 13; v. 235; p. 645.
- Brown, Lewis W., Norfolk, Va. Drawers-supporter. No. 1,221,966; Apr. 10; v. 237; p. 369.
- Brown-Lipe Gear Company. (See Brown, Alexander T., assignor.)
- Brown, Louis, *et al.* (See Swafford, Levi W., assignor.)
- Brown, Louis M., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Toe-centering device. No. 1,226,057; May 15; v. 238; p. 763.
- Brown, Louis M., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Method and apparatus for use in forming uppers of boots and shoes. No. 1,235,651; Aug. 7; v. 241; p. 40.
- Brown, Lucius A., assignor to The M. M. Johnson Co., Clay Center, Nebr. Damper and heat-regulator for incubators. No. 1,220,946; Mar. 27; v. 236; p. 1167.
- Brown, Lucius A., assignor to The M. M. Johnson Co., Clay Center, Nebr. Thermometer-holder for incubators. No. 1,225,570; May 8; v. 238; p. 555.
- Brown, Lucy E. (See Brown, Ulysses S. and L. E.)
- Brown, Luther P., Ramsey, N. J., assignor, by mesne assignments, to Empire Paper Bottle Company. Fibrous container. No. 1,243,698; Oct. 23; v. 243; p. 805.
- Brown, Luther P., Ramsey, N. J., assignor, by mesne assignments, to Empire Paper Bottle Company. Sanitary closing and sealing device for containers. No. 1,243,699; Oct. 23; v. 243; p. 806.
- Brown, M. Lewis, assignor to Kawneer Manufacturing Company, Niles, Mich. Window construction. No. 1,223,761; Apr. 24; v. 237; p. 1068.
- Brown, Mark A., Chattanooga, assignor, by mesne assignments, to Brown-Tate Automatic Car Connector Company, Shelbyville, Tenn. Air-brake coupling. No. 1,232,204; July 3; v. 240; p. 224.
- Brown, Michael B., Cleveland, Ohio. Self-closing faucet. No. 1,229,579; June 12; v. 239; p. 456.
- Brown, Michael J., Jersey City, N. J. Electric apparatus for bulletin-boards, signs, &c. No. 1,235,005; July 31; v. 240; p. 1267.
- Brown, Milton H. (See Nace, Alexander, and Brown.)
- Brown, Munro S., Goldfield, Nev. Gearing. No. 1,230,661; June 19; v. 239; p. 850.
- Brown, Nathaniel, and U. Trudeau, Manchester, N. H. Trolley-wheel guard. No. 1,236,905; Aug. 14; v. 241; p. 476.
- Brown, Neil. (See Gordon, John H., assignor.)
- Brown, Obediah H., Ariel, Pa. Tire-guard. No. 1,212,448; Jan. 16; v. 234; p. 779.
- Brown, Odus A., Santa Anna, Tex. Cotton-bag emptier. No. 1,214,421; Jan. 30; v. 234; p. 1526.
- Brown, Orono P. (See Brand, Morrie, assignor.)
- Brown, Orville W. (See Shumway, Dora, assignor.)
- Brown, Oscar W., White Rock, S. D. Puzzle. No. 1,225,760; May 15; v. 238; p. 662.
- Brown, Oskie E., Delmar, Iowa. Fruit-jar holder. No. 1,217,699; Feb. 27; v. 235; p. 1260.
- Brown Perfection Tube Company. (See Brown, John H., assignor.)
- Brown, Perry, Coraopolis, Pa. Draft-rigging. No. 1,232,651; July 10; v. 240; p. 402.
- Brown, Perry, Coraopolis, Pa. Lid for journal-boxes. No. 1,248,259; Nov. 27; v. 244; p. 1013.
- Brown, Peter, assignor to Channell Chemical Company, Chicago, Ill. Mop. No. 1,249,894; Dec. 11; v. 245; p. 456.
- Brown, Peter, assignor to Channell Chemical Company, Chicago, Ill. Expandable mop-head. No. 1,249,895; Dec. 11; v. 245; p. 457.
- Brown, Peter F., assignor of one-half to C. R. Irwin, Huntington, N. Y. Coupling for tile pipes. No. 1,231,699; July 3; v. 240; p. 55.
- Brown, Peter F., assignor of one-half to C. R. Irwin, Huntington, N. Y. Coupling for tile pipes. No. 1,231,700; July 3; v. 240; p. 56.
- Brown, Reinhardt H., Laporte, Ind. Child's sulky. No. 1,215,771; Feb. 13; v. 235; p. 488.
- Brown, Reinhardt H., Laporte, Ind. Child's collapsible sulky. No. 1,222,179; Apr. 10; v. 237; p. 444.
- Brown, Reinhardt H., assignor to Outing Kumfy-Kab Company, Laporte, Ind. Child's vehicle. No. 1,234,725; July 31; v. 240; p. 1180.
- Brown, Robert A., and F. M. Arnold, Pontiac, Mich. Automobile-curtain-hanging device. No. 1,236,143; Aug. 7; v. 241; p. 197.
- Brown, Robert B., Chicago, Ill., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Insecticide or fungicide and making same. No. 1,235,285; July 31; v. 240; p. 1351.
- Brown, Robert E., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, Hoboken, N. J. Wire-rope socket. No. 1,237,465; Aug. 21; v. 241; p. 693.
- Brown, Robert G., assignor to J. E. Streitmeier, Cincinnati, Ohio. Sound-reproducing machine. No. 1,221,003; Mar. 27; v. 236; p. 1185.
- Brown, Robert G., and J. E. Streitmeier, Elyria, Ohio; said Brown assignor to said Streitmeier. Mechanical replayer. No. 1,234,621; July 24; v. 240; p. 1114.
- Brown, Robert S., Asheville, N. C. Automobile signaling device. No. 1,245,864; Nov. 6; v. 244; p. 219.
- Brown, Robert S., assignor to The New Britain Machine Company, New Britain, Conn. Tote-box. No. 1,221,789; Apr. 3; v. 237; p. 272.
- Brown, Rudolph L., Chicago, Ill., assignor to The National Lock Washer Company, Newark, N. J. Ticket-holder for car-curtains. No. 1,214,006; Jan. 30; v. 234; p. 1384.
- Brown, Sidney E., and H. C. Kain, assignors of one-third to A. P. Prendergast, Marshall, Tex. Grate. No. 1,214,422; Jan. 30; v. 234; p. 1526.
- Brown, Sidney G. (See Perry and Brown.)
- Brown, Silas B., assignor to The Edwards Manufacturing Company, Cincinnati, Ohio. Toy pistol. No. 1,250,425; Dec. 18; v. 245; p. 651.
- Brown & Sons, Thos. E. (See Brown, Thomas E., assignor.)
- Brown Spin-Wright Company. (See Brown, Henry L., assignor.)
- Brown, Stanley, Garden City, N. Y. Finder for cameras. No. 1,210,896; Jan. 2; v. 234; p. 178.
- Brown, Stephen, Pawtucket, R. I. Expansion ratchet-wrench. No. 1,213,583; Jan. 23; v. 234; p. 1210.
- Brown-Tate Automatic Car Connector Company. (See Brown, Mark A., assignor.)
- Brown, Theodore, Streatham, London, assignor to S. C. Harper, London, England. Puzzle. No. 1,229,580; June 12; v. 239; p. 457.
- Brown, Theodore P., assignor to Simplex Player Action Company, Worcester, Mass. Music-sheet-guiding device. No. 1,246,865; Nov. 20; v. 244; p. 581.
- Brown, Theophilus, Worcester, Mass., assignor, by mesne assignments, to Marselles Company, East Moline, Ill. Manure-spreader. No. 1,215,614; Feb. 13; v. 235; p. 433.

Alphabetical list of patentees—Continued.

- Brown, Theophilus, Worcester, Mass., assignor, by mesne assignments, to Marseilles Company, East Moline, Ill. Manure-spreader. No. 1,215,615; Feb. 13; v. 235; p. 434.
- Brown, Theophilus, Worcester, Mass., assignor, by mesne assignments, to Marseilles Company, East Moline, Ill. Manure-spreader. No. 1,215,616; Feb. 13; v. 235; p. 434.
- Brown, Theophilus, assignor to Marseilles Company, East Moline, Ill. Manure-spreader. No. 1,226,746; May 22; v. 238; p. 1031.
- Brown, Theophilus, assignor to Marseilles Company, East Moline, Ill. Wide-spread attachment for manure-spreaders. No. 1,247,632; Nov. 27; v. 244; p. 832.
- Brown, Theophilus, Moline, assignor to Marseilles Company, East Moline, Ill. Manure-spreader. No. 1,247,631; Nov. 27; v. 244; p. 831.
- Brown, Thomas E., New York, N. Y. Bascule-bridge. No. 1,210,410; Jan. 2; v. 234; p. 10.
- Brown, Thomas E., New York, N. Y. Centrifugal machine. No. 1,215,337; Feb. 13; v. 235; p. 332.
- Brown, Thomas E., Wyncote, assignor to T. E. Brown & Sons, Philadelphia, Pa. Hosiery. No. 1,237,365; Aug. 21; v. 241; p. 819.
- Brown, Thomas E., New York, N. Y., and C. T. Westlin, Arlington, N. J., assignors to Cotton Machinery Company, New York, N. Y. Machine for use in gathering cotton. No. 1,230,374; June 19; v. 239; p. 754.
- Brown, Thomas R. (See Dewson and Brown.)
- Brown, Thomas R., Sparkill, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Combined car and electric coupling. No. 1,220,317; Mar. 27; v. 236; p. 952.
- Brown, Thomas R., Sparkill, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric coupling device. No. 1,222,599; Apr. 17; v. 237; p. 633.
- Brown, Thomas R., Sparkill, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic train-line coupling. No. 1,226,612; May 15; v. 238; p. 946.
- Brown, Thomas R., Sparkill, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic car and train-pipe coupling. No. 1,234,128; July 24; v. 240; p. 953.
- Brown, Thomas R., Sparkill, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric coupling for train-line circuits. No. 1,242,517; Oct. 9; v. 243; p. 373.
- Brown, Thomas R., Sparkill, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Manually-operated electric coupling. No. 1,243,700; Oct. 23; v. 243; p. 806.
- Brown, Thomas R., Sparkill, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Combined car and train-pipe coupling. No. 1,243,701; Oct. 23; v. 243; p. 807.
- Brown, Thomas R., Sparkill, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric coupling. No. 1,244,949; Oct. 30; v. 243; p. 1226.
- Brown, Thomas R., Sparkill, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric train-line coupling. No. 1,244,950; Oct. 30; v. 243; p. 1226.
- Brown, Thomas R., Sparkill, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic car and pipe coupling. No. 1,249,319; Dec. 11; v. 245; p. 289.
- Brown, Ulysses S. and L. E., Logansport, Ind. Wash-board. No. 1,240,118; Sept. 11; v. 242; p. 470.
- Brown, Victor F. (See Cox and Powell, assignors.)
- Brown, Virda R., Garfield, Ky. Machine for trimming and cutting wall-paper. No. 1,231,845; July 3; v. 240; p. 104.
- Brown, Wallace R., Olean, N. Y. Tool. No. 1,226,636; May 22; v. 238; p. 994.
- Brown, Walter. (See Brown, William and W.)
- Brown, Walter, assignor to Webster Electric Company, Racine, Wis. Priming device for internal-combustion engines. No. 1,231,124; June 26; v. 239; p. 1046.
- Brown, Walter F., New London, Conn. Internal-combustion engine. No. 1,222,067; Apr. 10; v. 237; p. 402.
- Brown, William, Newark, N. J. Life-boat for submarines. No. 1,221,282; Apr. 3; v. 237; p. 100.
- Brown, William, Seattle, Wash. Hospital-cot and operating-table. No. 1,233,292; July 10; v. 240; p. 609.
- Brown, William, assignor of one-half to S. Coleman, Taft, Cal. Brace for automobile-axles. No. 1,245,433; Nov. 6; v. 244; p. 87.
- Brown, William and W., Renfrew, Scotland. Dredger. No. 1,240,932; Sept. 25; v. 242; p. 797.
- Brown, William and W., Renfrew, Scotland. Dredger. No. 1,250,276; Dec. 18; v. 245; p. 606.
- Brown, William A. (See Brown, Chester W. and W. A.)
- Brown, William A., Montgomery, Ala. Coffee substitute. No. 1,224,271; May 1; v. 238; p. 56.
- Brown, William B., Westminster, assignor to Norris Bros., Greenville, S. C. Shuttle eye or threader. No. 1,235,430; July 31; v. 240; p. 1393.
- Brown, William C., Syracuse, N. Y., assignor to Humphrey Gas Pump Company. Ignition control. No. 1,224,356; May 1; v. 238; p. 87.
- Brown, William C., Syracuse, N. Y., assignor to Humphrey Gas Pump Company. Utilizing expansive energy. No. 1,224,705; May 1; v. 238; p. 210.
- Brown, William E., et al. (See Dickson, James T., assignor.)
- Brown, William E., Sacramento, Cal. Fruit-holder. No. 1,241,338; Sept. 25; v. 242; p. 924.
- Brown, William G., Chicago, Ill. Extension attachment for vehicle-control pedals. No. 1,236,400; Aug. 14; v. 241; p. 310.
- Brown, William H., Cleveland, Ohio. Spring-lubricator. No. 1,215,904; Feb. 13; v. 235; p. 535.
- Brown, William H., Cleveland, Ohio. Lubricator. No. 1,216,411; Feb. 20; v. 235; p. 770.
- Brown, William H., Cleveland, Ohio. Leaf-spring lubricator. No. 1,219,804; Mar. 20; v. 236; p. 733.
- Brown, William H., Cleveland, Ohio. Spring-lubricating clip. No. 1,220,176; Mar. 27; v. 236; p. 901.
- Brown, William H., Cleveland, Ohio. Leaf-spring lubricator. No. 1,241,817; Oct. 2; v. 243; p. 112.
- Brown, William H., Margaretville, N. Y. Tire-chain. No. 1,233,971; July 17; v. 240; p. 868.
- Brown, William H., Margaretville, N. Y. Antiskid device. No. 1,238,490; Aug. 28; v. 241; p. 1056.
- Brown, William H., assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y. Calculating-machine. No. 1,212,320; Jan. 16; v. 234; p. 735.
- Brown, William H., assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y. Carrying-over and clearing mechanism for calculating-machines. No. 1,214,886; Feb. 6; v. 235; p. 140.
- Brown, William H., Philadelphia, and W. C. Brinton, Jr., assignors to Philips-Brinton Company, Kennett Square, Pa. Contact maker and interrupter for ignition systems. No. 1,234,278; July 24; v. 240; p. 1003.
- Brown, William L., Lansdowne, Pa. Meter. No. 1,216,412; Feb. 20; v. 235; p. 770.
- Brown, William L., Lansdowne, assignor to Helme and McIlhenny, Philadelphia, Pa. Prepayment gas-meter. No. 1,233,307; July 17; v. 240; p. 650.
- Brown, Wilson, and J. B. Meador, Mounds, Okla. Valve. No. 1,217,700; Feb. 27; v. 235; p. 1260.
- Browne, Arthur B., Denver, Colo. Gas-engine. No. 1,210,897; Jan. 2; v. 234; p. 179.
- Browne, Arthur W., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Dental chair. No. 1,236,401; Aug. 14; v. 241; p. 311.
- Browne, Arthur W., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Fountain-nozzle. No. 1,244,951; Oct. 30; v. 243; p. 1227.
- Browne, Arthur W., Ithaca, N. Y., and R. P. Nichols, Philadelphia, Pa. Refrigeration. No. 1,246,866; Nov. 20; v. 244; p. 581.
- Browne, Frank A., Buffalo, N. Y., assignor to The Barber Asphalt Paving Company, Philadelphia, Pa. Scarifier. No. 1,243,672; Oct. 16; v. 243; p. 765.
- Browne, Richard M., and T. D. Scott, New York, N. Y. Apparatus for raising sunken vessels. No. 1,240,538; Sept. 18; v. 242; p. 641.
- Browne, Robert, Butte, Mont. Adjustable curtain-bracket. No. 1,234,442; July 24; v. 240; p. 1058.
- Browne, William C. (See Barsby, Stephenson, and Browne.)
- Brownell Company, The. (See Little, Clarence B., assignor.)
- Brownell, George L., Worcester, Mass. Twisting-machine. No. 1,211,670; Jan. 9; v. 234; p. 476.
- Brownell, George L., Worcester, Mass. Tension device. No. 1,243,036; Oct. 16; v. 243; p. 574.
- Brownell, William M., Brooklyn, N. Y., assignor of three-fourths to A. N. Hood, Newton, and J. T. Nightingale, Boston, Mass. Drying casein. No. 1,239,766; Sept. 11; v. 242; p. 361.
- Brownell, William M., Brooklyn, N. Y., assignor of three-fourths to A. N. Hood and J. T. Nightingale, Boston, Mass. Drying casein. No. 1,240,816; Sept. 25; v. 242; p. 760.
- Brownell, William M., Brooklyn, N. Y., assignor of three-fourths to A. N. Hood, Newton, and J. T. Nightingale, Boston, Mass. Drying-machine. No. 1,242,518; Oct. 9; v. 243; p. 373.
- Browning, Charles, Jr., Sacramento, Cal. Viscometer. No. 1,244,025; Oct. 23; v. 243; p. 909.
- Browning Company, The. (See Waite, William H., assignor.)
- Browning, George F., Tappanish, Wash. Electric soldering-iron. No. 1,237,290; Aug. 21; v. 241; p. 636.
- Browning, Merrell W., Jennings, La. Disk-plow sharpener. No. 1,238,252; Aug. 28; v. 241; p. 979.
- Browning, Wilbert N. (See Ellis, Frank J., assignor.)
- Browning, William C., and T. M. Lowe, Manbar, W. Va. Rail-joint. No. 1,237,612; Aug. 21; v. 241; p. 740.
- Brownlee, Robert E., East Orange, assignor to Cooper-Hewitt Electric Company, Hoboken, N. J. Terminal connection for electric lamps. No. 1,237,611; Aug. 21; v. 241; p. 739.
- Brownlie, A. D. (See Naysmith, Gillaspay, and Carl, assignors.)
- Brownrigg, John J., H. Henderson, and A. E. Case, assignors to Delta Electric Company, Marion, Ind. Portable electric lamp. No. 1,250,960; Dec. 25; v. 245; p. 860.

- Brownson, Earl L., Allston, assignor to National Binding Machine Company, Boston, Mass. Strip-serving apparatus. No. 1,250,790; Dec. 18; v. 245; p. 759.
- Brownson, Earl L., Allston, assignor to The National Binding Machine Company, Boston, Mass. Strip-serving apparatus. No. 1,250,791; Dec. 18; v. 245; p. 760.
- Brownstein, Benjamin, Ellwood City, Pa. Hand-plow. No. 1,232,763; July 10; v. 240; p. 441.
- Broyles, Adam. (See Flynn, George, assignor.)
- Broyles, Charles M., Wonder, Nev., assignor of one-half to V. Eastland, Chattanooga, Tenn. Wrench. No. 1,239,156; Sept. 4; v. 242; p. 140.
- Broz, Jacob J., St. Louis, Mo. Shoe-polish. No. 1,231,997; July 3; v. 240; p. 154.
- Bruah, Howard R., assignor to Motor Development Company, Chicago, Ill. Propeller-shaft connection. No. 1,243,805; Oct. 23; v. 243; p. 843.
- Brubaker, Henry, assignor to W. C. Koller, York, Pa. Hydrocarbon-burner. No. 1,233,547; July 17; v. 240; p. 731.
- Brubaker, John L. (See Vanbuskirk, Thomas W., assignor.)
- Brubaker, William, Tolna, N. D. Wagon end-gate. No. 1,219,910; Mar. 20; v. 236; p. 770.
- Brubaker, William, Tolna, N. D. Wagon end-gate. No. 1,251,335; Dec. 25; v. 245; p. 970.
- Brubaker, William A., assignor to The Miller Rubber Company, Akron, Ohio. Machine for stripping hollow articles from their forms. No. 1,220,177; Mar. 27; v. 236; p. 902.
- Brubaker, William C., Chicago, Ill. Bolt. No. 1,210,595; Jan. 2; v. 234; p. 74.
- Bruce, Albert W., Bloomfield, Iowa. Rotary explosive engine. No. 1,228,401; June 5; v. 239; p. 9.
- Bruce, Miles D., Theford, Nebr. Lift for pump-pipes or pump-rods. No. 1,239,875; Sept. 11; v. 242; p. 399.
- Bruce, Thomas S., Dallas, Tex. Device for dispensing liquids. No. 1,218,925; Mar. 13; v. 236; p. 401.
- Bruce, William B., Summerfield, Ohio. Motor-driven vehicle. No. 1,242,319; Oct. 9; v. 243; p. 311.
- Bruce, William M., Jr., assignor to The United Telegraph & Cable Company, Springfield, Ohio. Telegraphy. No. 1,240,306; Sept. 18; v. 242; p. 569.
- Bruce, William M., Jr., assignor to The United Telegraph & Cable Company, Springfield, Ohio. Telegraphy. No. 1,250,961; Dec. 25; v. 245; p. 860.
- Bruck, Henry. (See Shoemaker and Bruck.)
- Brucker, Ferdinand F., assignor to The Miller Rubber Company, Akron, Ohio. Tire-stitching machine. No. 1,218,627; Mar. 13; v. 236; p. 293.
- Brucker, Ferdinand F., assignor to The Miller Rubber Co., Akron, Ohio. Method of and apparatus for applying rubber covers to tire-carasses. No. 1,220,178; Mar. 27; v. 236; p. 902.
- Bruckman, Frederick A. (See Dieterich, Albert E., assignor.)
- Bruckman, Frederick A., Portland, Oreg. Pastry-making machine. No. 1,216,274; Feb. 20; v. 235; p. 720.
- Bruckman, Frederick A., Portland, Oreg. Pastry-making machine. No. 1,216,275; Feb. 20; v. 235; p. 720.
- Brückner, Josef, and F. Hamberger, Brooklyn, N. Y. Automatic control for valves. No. 1,241,191; Sept. 25; v. 242; p. 876.
- Bruckner, Lloyd R., Augusta, and J. W. Murphy, Griffin, Ga. Rural mail-carrier. No. 1,240,022; Sept. 11; v. 242; p. 442.
- Bruckner, Rudolph E., New York, N. Y. Safety means for autogenous welding or cutting apparatus. No. 1,227,881; May 29; v. 238; p. 1444.
- Bruckner, Rudolph E., New York, N. Y. Safety apparatus for gas-tanks. No. 1,234,726; July 31; v. 240; p. 1180.
- Bruckner, Rudolph E., assignor to The Commercial Acetylene Company, New York, N. Y. Safety means for gas-tanks. No. 1,250,552; Dec. 18; v. 245; p. 689.
- Bruder, Joseph A., Philadelphia, Pa. Waterproof basket. No. 1,211,671; Jan. 9; v. 234; p. 476.
- Bruder, Leo, Avon, Ohio. Door-fastener. No. 1,241,192; Sept. 25; v. 242; p. 877.
- Brudsig, Charles, Winnipeg, Manitoba, Canada, assignor to J. L. Penner, Minneapolis, Minn. Broom. No. 1,229,027; June 5; v. 239; p. 219.
- Brueck, Theodor. (See Klein and Brueck.)
- Bruederly, Joseph F., assignor of one-half to J. H. Hook, Lancaster, Pa. Curtain-pole and shade-roller support. No. 1,216,276; Feb. 20; v. 235; p. 721.
- Brueggeman, Louis W., Milwaukee, Wis. Sectional portiere. No. 1,230,271; June 19; v. 239; p. 722.
- Brueggemann, William C. F., St. Louis, Mo. Rotary engine. No. 1,249,896; Dec. 11; v. 245; p. 457.
- Bruegger, Byron J. C., Ladysmith, Wis. Vacuum dinner-pail. No. 1,231,562; July 3; v. 240; p. 7.
- Bruehne, Andrew, Denver, Colo. Internal-combustion engine. No. 1,232,205; July 3; v. 240; p. 224.
- Bruffat, Anton, Barneveld, Wis. Wire-securing clip. No. 1,214,749; Feb. 6; v. 235; p. 94.
- Brüge, Hermann, Hanover, Germany. Detachable cover for open motor-cars. No. 1,218,050; Mar. 6; v. 236; p. 57.
- Bruggeman, Harold A., Beaver Falls, Pa. Heater for automobiles and the like. No. 1,218,367; Mar. 6; v. 236; p. 167.
- Brugmann, Walter, Davenport, Iowa. Canvas platform for binders. No. 1,212,011; Jan. 9; v. 234; p. 596.
- Bruhlin, Kaspar, Sacramento, Cal. Torch. No. 1,251,179; Dec. 25; v. 245; p. 924.
- Bruhn, Edward L., Pittsfield, Mass. Fastening device. No. 1,249,592; Dec. 11; v. 245; p. 366.
- Bruhn, Max C., Chicago, Ill. Change-maker. No. 1,226,181; May 15; v. 238; p. 805.
- Brulattour, John L., and B. L. Darrow, assignors to J. C. Forster, New York, N. Y. Starter for gas-engines. No. 1,250,134; Dec. 18; v. 245; p. 563.
- Brumbaugh, Edward E., Imbler, Pa. Collapsible receptacle. No. 1,240,817; Sept. 25; v. 242; p. 760.
- Brumbaugh, Martin P., Juniata, Pa. Street sweeping and cleaning implement. No. 1,212,183; Jan. 16; v. 234; p. 683.
- Brumley, Howard V., Plandome, assignor to Whitall Tatum Company, New York, N. Y. Water-bag stopper. No. 1,226,304; May 15; v. 238; p. 851.
- Brumley, Lester A., Sanford, Fla. Fertilizer-distributor. No. 1,213,737; Jan. 23; v. 234; p. 1260.
- Brummett, Sinclair H., Scranton, Tex. Gearing for peanut-harvesters. No. 1,245,565; Nov. 6; v. 244; p. 128.
- Brun, Antonio V., Oakland, Cal. Window-screen. No. 1,234,105; July 17; v. 240; p. 910.
- Bruna, Albert. (See Parletti, Giovanni B., assignor.)
- Brunk, Samuel E., Coryville, Pa. Plate or pan lifter. No. 1,232,890; July 10; v. 240; p. 482.
- Brundage, Fred A., Belmont, N. Y. Utensil-lifter. No. 1,222,262; Apr. 10; v. 237; p. 473.
- Brundage, James W., assignor to The Miller Rubber Company, Akron, Ohio. Apparatus for manufacture of hollow rubber articles. No. 1,232,764; July 10; v. 240; p. 441.
- Brune, Louis J., Algiers, La. Clasp-holder for irons. No. 1,216,653; Feb. 20; v. 235; p. 854.
- Brune, Louis J., Algiers, La. Burglar-alarm and latch. No. 1,227,994; May 29; v. 238; p. 1483.
- Brune, Louis J., Algiers, La. Railway-car-toilet lock. No. 1,240,933; Sept. 25; v. 242; p. 798.
- Brune, Louis J., Algiers, La. Window-sash-operating mechanism. No. 1,251,336; Dec. 25; v. 245; p. 970.
- Brunel, Fred A., Hempstead, N. Y. Toy. No. 1,248,068; Nov. 27; v. 244; p. 957.
- Brunelle, Edward. (See Brunelle, Henry and E.)
- Brunelle, Francois X. (See Van Leeuwen and Brunelle.)
- Brunelle, Henry and E., Turners Falls, Mass. Circuit-closer for drip-pan alarms. No. 1,217,701; Feb. 27; v. 235; p. 1260.
- Bruner, Ansalet W. (See Kimble, Fred, assignor.)
- Bruner, Ben L., et al. (See Gault, Joseph P., assignor.)
- Bruner, George H., Vinton, Iowa. Attachment for manure-spreaders. No. 1,233,749; July 17; v. 240; p. 796.
- Bruner, Louis N., Zurich, Switzerland. Apparatus for use in the manufacture of glass bottles and the like. No. 1,229,028; June 5; v. 239; p. 219.
- Bruner, Louis N., Zurich, Switzerland. Bottle-stopper blank. No. 1,232,765; July 10; v. 240; p. 441.
- Bruner, Philip, Boise, Idaho. Heel-removing machine. No. 1,226,460; May 15; v. 238; p. 899.
- Bruner, Simon, New York, N. Y. Terminal link for brackets. No. 1,245,671; Nov. 6; v. 244; p. 161.
- Brunet, Ernesto M., assignor of one-half to M. V. Del Valle, San Juan, Porto Rico. Dental model-mounter. No. 1,232,206; July 3; v. 240; p. 224.
- Bruning, Bernard N., Breda, Iowa. Mail-box support. No. 1,225,571; May 8; v. 238; p. 556.
- Bruninga, Miner H., Macomb, Ill. Planter-heel attachment. No. 1,231,701; July 3; v. 240; p. 56.
- Brunk, Hugh P., Sylvia, W. Va. Valve. No. 1,240,023; Sept. 11; v. 242; p. 443.
- Brunk, William C., assignor to Efficiency Motor-Device Corporation, Omaha, Nebr. Combined spark-plug and spark-gap. No. 1,241,339; Sept. 25; v. 242; p. 924.
- Brunkhorst, D. M. (See Walden, Marcus A., assignor.)
- Brunkhurst, Charles, Middletown, N. Y. Multiple-spoon measure. No. 1,249,017; Dec. 4; v. 245; p. 171.
- Brunner, Harold E., and L. S. Cope, Philadelphia, Pa., assignors to The Hess-Bright Manufacturing Company. Reducing-mill. No. 1,211,397; Jan. 9; v. 234; p. 383.
- Brunner, John, Napoleon, Ind. Railway-tie. No. 1,219,911; Mar. 20; v. 236; p. 770.
- Brunner, Matthew J., assignor of one-half to J. E. Hunter, Buffalo, N. Y. Window shade and curtain support. No. 1,216,277; Feb. 20; v. 235; p. 721.
- Brunner, Richard E., Pittsburgh, Pa. Apparatus for manufacturing hydrogen. No. 1,246,867; Nov. 20; v. 244; p. 581.
- Brunner, Sherman, et al. (See Hveem, Martin, assignor.)
- Brunning, Ernest J. (See Burnett and Brunning.)
- Bruns, Edward, Portland, Oreg. No-glare headlight. No. 1,217,912; Mar. 6; v. 236; p. 9.
- Brunson, Glen A., Algona, Iowa. Pipe-cleaner. No. 1,246,710; Nov. 13; v. 244; p. 499.
- Brunswick-Balke-Collender Company. (See Hobbs, Francis C., assignor.)
- Brunswick-Balke-Collender Company, The. (See Judd, Earlley C. B., assignor.)
- Brunswick-Balke-Collender Company, The. (See Nystrom, Martin, assignor.)
- Brunswick-Balke-Collender Company, The. (See Taxon, Louis, assignor.)
- Brunswick-Balke-Collender Company. (See Treiber, Theodore R., assignor.)
- Brunt, R. H. (See King, George H., assignor.)

Alphabetical list of patentees—Continued.

- Brunt Tile & Porcelain Company, The. (See Mair, John E., assignor.)
- Brunton, Earl, St. Louis, Mo. Measuring instrument. No. 1,221,668; Apr. 3; v. 237; p. 231.
- Bruschke, Gustav I., Chicago, Ill. Telephone meter or register for measuring telephone-calls. No. 1,232,891; July 10; v. 240; p. 482.
- Brush, Alanson P. (See Nacker, Owen M., assignor.)
- Brush, Alanson P., Flint, Mich. Engine-starting and current-generating apparatus. No. 1,211,072; Jan. 2; v. 234; p. 240.
- Brush, Alanson P., Detroit, Mich. Front-axle construction. No. 1,223,469; Apr. 24; v. 237; p. 963.
- Brush, Alanson P., Detroit, Mich. Lubricating system for internal-combustion engines. No. 1,230,460; June 19; v. 239; p. 783.
- Brush, Alanson P., Detroit, Mich. Lubricating system for internal-combustion engines. No. 1,230,461; June 19; v. 239; p. 784.
- Brush, Alanson P., Detroit, Mich. Internal-combustion engine. No. 1,250,426; Dec. 18; v. 245; p. 651.
- Brush, William M., Brule, Nebr. Block for hay-balers. No. 1,225,219; May 8; v. 238; p. 435.
- Brust, Charles A., Memphis, Tenn. Saw filing or grinding wheel. No. 1,217,889; Feb. 27; v. 235; p. 1323.
- Bryan, Daniel R. (See Bryan, Joseph W. and D. R.) (Reissue.)
- Bryan, Daniel R., Chatham, N. J. Apparatus for sorting heterogeneous materials. No. 1,250,553; Dec. 18; v. 245; p. 690.
- Bryan, Edgar J., assignor of one-half to W. T. Thompson, Riverside, Cal. Direction-signal for automobiles. No. 1,237,291; Aug. 21; v. 241; p. 636.
- Bryan, Frederick E., Wyncote, assignor of one-half to F. Light, Jr., Philadelphia, Pa. Automobile-horn. No. 1,243,650; Oct. 16; v. 243; p. 758.
- Bryan, Harry. (See Waggaman, Bryan, and Wagner.)
- Bryan, Joseph W., New York, N. Y., and D. R. Bryan, Chatham, N. J.; said Joseph W. Bryan assignor to said D. R. Bryan. Apparatus for sorting heterogeneous material. (Reissue.) No. 14,266; Mar. 6; v. 236; p. 251.
- Bryan, Joseph W., New York, N. Y., and D. R. Bryan, Chatham, N. J.; said Joseph W. Bryan assignor to said D. R. Bryan. Separating and recovering domestic refuse. No. 1,244,952; Oct. 30; v. 243; p. 1227.
- Bryan, Joseph W., New York, N. Y., and D. R. Bryan, Chatham, N. J.; said Joseph W. Bryan assignor to said D. R. Bryan. Apparatus for separating and recovering domestic refuse. No. 1,250,554; Dec. 18; v. 245; p. 690.
- Bryan, Pulaski J., Chicago, Ill. Meat-cutting machine. No. 1,250,555; Dec. 18; v. 245; p. 690.
- Bryan, Robert W., Aberdeen, Wash. Shock-absorber for automobiles. No. 1,237,466; Aug. 21; v. 241; p. 693.
- Bryan, William C. (See Brintnall and Swalm, assignors.)
- Bryan, Wm. J., Jr. (See Blundell, Charles R., assignor.)
- Bryant, Alden C., Ponoka, Alberta, Canada. Wire-stretcher. No. 1,238,253; Aug. 28; v. 241; p. 979.
- Bryant, Carrol A., Livermore, Me. Extension-foot for step-ladders. No. 1,229,218; June 12; v. 239; p. 333.
- Bryant, Charlie, Coin, Iowa. Belt-fastener. No. 1,225,572; May 8; v. 238; p. 556.
- Bryant, David M. (See Gallimore, William, assignor.)
- Bryant Electric Company, The. (See Anderson, Carl E., assignor.)
- Bryant Electric Company, The. (See Badeau, Harry U., assignor.)
- Bryant Electric Company, The. (See Bates, Clarence A., assignor.)
- Bryant Electric Company, The. (See Burton, Frank V., assignor.)
- Bryant Electric Company, The. (See Coggeshall and Schnake, assignors.)
- Bryant Electric Company, The. (See Goodridge, Gilbert W., assignor.)
- Bryant Electric Company, The. (See Thomas, George B., assignor.)
- Bryant Electric Company, The. (See Young, William R., assignor.)
- Bryant, Fredrick S., Reading, Mass. Reinforcement for pneumatic tires. No. 1,223,729; Apr. 17; v. 237; p. 679.
- Bryant, George H. (See Ward, Bryant, and Inman.)
- Bryant Heater & Manufacturing Co., The. (See Fox, Otto, assignor.)
- Bryant, Henry D., Springfield, Mass. Light-regulating means. No. 1,237,467; Aug. 21; v. 241; p. 693.
- Bryant, Herman M., Milan, Tenn. Dirigible headlight. No. 1,250,277; Dec. 18; v. 245; p. 606.
- Bryant, Richard S., assignor to The Standard Welding Company, Cleveland, Ohio. Rim for vehicle-wheels. No. 1,216,278; Feb. 20; v. 235; p. 721.
- Bryant, Richard S., assignor to The Standard Welding Company, Cleveland, Ohio. Rim for vehicle-wheels. No. 1,216,279; Feb. 20; v. 235; p. 722.
- Bryant, Richard S., assignor to The Standard Welding Company, Cleveland, Ohio. Rim for vehicle-wheels. No. 1,224,706; May 1; v. 238; p. 210.
- Bryant, Richard S., assignor to The Standard Welding Company, Cleveland, Ohio. Vehicle-wheel rim. No. 1,235,537; July 31; v. 240; p. 1428.
- Bryant, Richard S., assignor to The Standard Welding Company, Cleveland, Ohio. Rim for vehicle-wheels. No. 1,237,614; Aug. 21; v. 241; p. 740.
- Bryant, Richard S., assignor to The Standard Welding Company, Cleveland, Ohio. Vehicle-wheel. No. 1,238,741; Sept. 4; v. 242; p. 7.
- Bryant, Richard S., Akron, assignor to The Standard Welding Company, Cleveland, Ohio. Rim for vehicle-wheels. No. 1,237,613; Aug. 21; v. 241; p. 740.
- Bryant, Thomas, Santa Monica, Cal. Demountable rim for automobile-tires. No. 1,249,018; Dec. 4; v. 245; p. 171.
- Bryce, James W. (See Goss and Bryce.)
- Bryce, James W., Bloomfield, N. J. Electrically-controlled calculating-machine. No. 1,226,058; May 15; v. 238; p. 763.
- Bryce, James W., Brooklyn, N. Y. Electrically-controlled calculating-machine. No. 1,228,290; May 29; v. 238; p. 1579.
- Bryce, James W., Bloomfield, N. J., assignor to International Time Recording Company of New York, Endicott, N. Y. Time-recorder. No. 1,219,912; Mar. 20; v. 236; p. 771.
- Bryce, James W., Brooklyn, assignor, by mesne assignments, to The International Time Recording Company, Endicott, N. Y. Recorder. No. 1,238,254; Aug. 28; v. 241; p. 979.
- Bryce, Joseph W. (See Weeks, Joseph H., assignor.)
- Brytogle, John L., Nescopeck, and J. B. Kester, Mainville, Pa. Combined mail-box and milk-bottle holder. No. 1,233,972; July 17; v. 240; p. 869.
- Brygider, Simon R., Oakland, Cal. Mold-box. No. 1,221,283; Apr. 3; v. 237; p. 100.
- Brygider, Simon R., Oakland, Cal. Machine for pressing concrete blocks. No. 1,221,284; Apr. 3; v. 237; p. 101.
- Bryhan, Elmer C., Lancaster, Wis. Leveling-base for cream-separators. No. 1,210,411; Jan. 2; v. 234; p. 11.
- Bryngelson, Blom O., Dunbar, Iowa. Washing-machine. No. 1,215,338; Feb. 13; v. 235; p. 332.
- Bryson, Frank W., Porter, Ind., assignor to Hydraulic Press Brick Company, St. Louis, Mo. Brickmaking-machine. No. 1,236,144; Aug. 7; v. 241; p. 197.
- Bryson, Tandy A., Troy, N. Y., assignor to Tolhurst Machine Works. Thrust-bearing for centrifugal machines. No. 1,235,548; Aug. 7; v. 241; p. 6.
- Drzykcy, Antoni, Minneapolis, Minn. Windmill. No. 1,241,918; Oct. 2; v. 243; p. 144.
- Bubar, George A., Superior, Wis. Spring-rolling device. No. 1,245,434; Nov. 6; v. 244; p. 87.
- Bubier, Howard F., Lynn, Mass., assignor to The Singer Manufacturing Company. Edge-folding and tape-guiding device for sewing-machines. No. 1,226,461; May 15; v. 238; p. 899.
- Buch, Max, Detroit, assignor to H. E. Edwards, Jackson, Mich. Top for vehicles and the like. No. 1,219,805; Mar. 20; v. 236; p. 734.
- Buch, Max, Detroit, assignor to H. E. Edwards, Jackson, Mich. Folding top or hood for vehicles. No. 1,219,806; Mar. 20; v. 236; p. 734.
- Buch, Max, Detroit, assignor to H. E. Edwards, Jackson, Mich. Top for motor-vehicles and the like. No. 1,221,669; Apr. 3; v. 237; p. 231.
- Buch, Max, assignor to H. E. Edwards, Jackson, Mich. Hood or cover for vehicles. No. 1,219,807; Mar. 20; v. 236; p. 734.
- Buch, Max A., Detroit, Mich. Removable window structure for automobiles. No. 1,249,897; Dec. 11; v. 245; p. 457.
- Buchan, Edward F., et al. (See Woodford, Arthur J., assignor.)
- Buchan, John P., Marcus, Iowa. Separator. No. 1,217,404; Feb. 27; v. 235; p. 1153.
- Buchan, William H., et al. (See Woodford, Arthur J., assignor.)
- Buchanan, Crassus, Augusta, Ark. Tobacco-cartridge. No. 1,234,279; July 24; v. 240; p. 1003.
- Buchanan, Cyrus B., and C. C. Johnson, Richmond, Va. Headway-recorder. No. 1,229,878; June 12; v. 239; p. 555.
- Buchanan, Frank, Syracuse, N. Y. Headlight. No. 1,215,772; Feb. 13; v. 235; p. 488.
- Buchanan, Frank, Syracuse, N. Y. Support for incandescent-electric-lamp sockets. No. 1,220,395; Mar. 27; v. 236; p. 980.
- Buchanan, Henry, Sheffield, England. Register for cash-receipts and the like. No. 1,221,070; Apr. 3; v. 237; p. 231.
- Buchanan, Hugh. (See Moir and Buchanan.)
- Buchanan, James C., Washington, D. C., assignor to Rapid Tobacco Stemmer Co., Wilmington, Del. Feeding device for tobacco-leaves. No. 1,219,077; Mar. 13; v. 236; p. 451.
- Buchanan, James C., Washington, D. C., assignor to Rapid Tobacco Stemmer Co., Baltimore, Md. Tobacco-stemming mechanism. No. 1,224,848; May 1; v. 238; p. 259.
- Buchanan, Judson, Chattanooga, Tenn. Plow. No. 1,250,962; Dec. 25; v. 245; p. 861.
- Buchanan, Leonard B., Woburn, assignor to Chase-Shawmut Company, Newburyport, Mass. Electric fuse. No. 1,246,711; Nov. 13; v. 244; p. 499.
- Buchanan, Leonard B., Woburn, and F. N. Conant, assignors to Chase-Shawmut Company, Newburyport, Mass. Inclosed electric fuse. No. 1,245,187; Nov. 6; v. 244; p. 13.
- Buchanan, Margaret C., Chicago, Ill. Nipple for nursing-bottles. No. 1,243,806; Oct. 23; v. 243; p. 843.

- Buchanan, Moses R. (See Carter, Theodore W., assignor.)
- Buchanan, William B. (See Bales, James W. H., assignor.)
- Buchanon, Claud. (See Kelly, Guy W., assignor.)
- Bucher, Johann J., Zurich-Enge, Switzerland. Drive-chain. No. 1,218,368; Mar. 6; v. 236; p. 168.
- Bucher, John E., Coventry, assignor to Nitrogen Products Company, Providence, R. I. Producing the bicarbonate of an alkali or alkaline-earth metal. No. 1,221,506; Apr. 3; v. 237; p. 178.
- Bucher, John E., Coventry, assignor to Nitrogen Products Company, Providence, R. I. Producing urea. No. 1,241,919; Oct. 2; v. 243; p. 145.
- Bucher, John E., Coventry, assignor to Nitrogen Products Company, Providence, R. I. Producing urea. No. 1,241,920; Oct. 2; v. 243; p. 145.
- Bucher, John W., and R. P. Akins, assignors to Colorado Iron Works Company, Denver, Colo. Automatic controlling system for continuous agitation and transfer system for treatment of ores. No. 1,219,240; Mar. 13; v. 236; p. 507.
- Buchholtz, Carl A., Hoboken, N. J. Fire-lighter and heater. No. 1,211,536; Jan. 9; v. 234; p. 431.
- Buchholz, Albert, Milwaukee, Wis. Garbage-can cover. No. 1,212,321; Jan. 16; v. 234; p. 735.
- Buchholz, Louis O. (See Carter, Ray L., assignor.)
- Buchholz, Max, Gross-Plehnendorf, near Danzig, Germany. Lock-gate. No. 1,223,763; Apr. 24; v. 237; p. 1069.
- Buchhorn, Otto, assignor to Inhabadgesellschaft M. b. B., Charlottenburg, near Berlin, Germany. Apparatus for creating artificial breathing. No. 1,245,867; Nov. 6; v. 244; p. 220.
- Büchi, Alfred, Winterthur, Switzerland, assignor to Busch-Sulzer-Bros.-Diesel Engine Company, St. Louis, Mo. Control mechanism for combustion engines. No. 1,232,207; July 3; v. 240; p. 225.
- Buchler, Béla, Wilmington, Del. Sounding toy. No. 1,219,241; Mar. 13; v. 236; p. 508.
- Buchman, Alpheus P. (See Bradfield, Joseph L., assignor.)
- Buchner, Harry S., Wollaston, Mass. Textile belting and preparing the same. No. 1,249,019; Dec. 4; v. 245; p. 172.
- Buchner, Warren J. (See North and Buchner.)
- Buchsbamm, Samuel, Chicago, Ill. Switch. No. 1,222,355; Apr. 10; v. 237; p. 506.
- Buchstein, Ferdinand, Minneapolis, Minn. Artificial leg. No. 1,225,923; May 15; v. 238; p. 716.
- Buck, Ainsworth, Summit, N. J. Window-cleaner's anchor. No. 1,246,538; Nov. 13; v. 244; p. 448.
- Buck, Benoni B., Newton, assignor of one-half to F. W. Stevens, Newton Centre, Mass. Automobile traffic-signal. No. 1,238,387; Aug. 28; v. 241; p. 1023.
- Buck, Herman J., assignor to Mathews Gravity Carrier Company, Ellwood City, Pa. Gravity-carrier. No. 1,226,182; May 15; v. 238; p. 806.
- Buck, Herman J., assignor to Mathews Gravity Carrier Company, Ellwood City, Pa. Ball-bearing for gravity-carriers. No. 1,238,880; Sept. 4; v. 242; p. 51.
- Buck, Herman J., assignor to Mathews Gravity Carrier Company, Ellwood City, Pa. Straight-lift elevator. No. 1,248,069; Nov. 27; v. 244; p. 958.
- Buck, Niels, assignor to The Eureka Smokeless Furnace Company, Chicago, Ill. Furnace. No. 1,233,444; July 17; v. 240; p. 697.
- Buck, Theresa L., administratrix. (See Buck, Vertrude P.)
- Buck, Turney E., assignor to W. O. Duntley, Chicago, Ill. Waste-steam detector and recorder. No. 1,243,702; Oct. 23; v. 243; p. 807.
- Buck, Vertrude P., deceased, Boston, assignor of one-half to M. A. Hayward, East Bridgewater, Mass.; T. L. Buck, administratrix. Seat. No. 1,239,253; Sept. 4; v. 242; p. 172.
- Buck, Wilmer G., Fremont, assignor, by mesne assignments, to Continental Engineering Corporation, Omaha, Nebr. Valve for internal-combustion engines. No. 1,244,287; Oct. 23; v. 243; p. 988.
- Bucklew, Albert H., New York, assignor of one-fourth to V. C. Gilpin and one-fourth to J. E. McAuliffe, Brooklyn, N. Y. Electric-light socket. No. 1,230,662; June 19; v. 239; p. 851.
- Buckeye Drier Company. (See Prindle, William E., assignor.)
- Buckeye Incubator Company, The. (See Cugley, George, assignor.)
- Buckeye Jack Manufacturing Company, The. (See Bates, Edmund C., assignor.)
- Buckeye Products Company, The. (See Marfield, Dwight S., assignor.)
- Buckeye Steel Castings Company, The. (See Bush, Samuel P., assignor.)
- Buckeye Steel Castings Company, The. (See Johnson, George T., assignor.)
- Buckeye Steel Castings Company, The. (See Whitridge and Johnson, assignors.)
- Buckeye Traction Ditcher Company, The. (See Krupp, Leo A., assignor.)
- Buckeye Traction Ditcher Company, The. (See Wadsworth, Arthur V., assignor.)
- Buckingham, Charles L., Denver, Colo. Ore-pulverizing mill. No. 1,247,633; Nov. 27; v. 244; p. 832.
- Buckingham, Fremont H., assignor to The Standard Computing Scale Company, Detroit, Mich. Dash-pot. No. 1,212,322; Jan. 16; v. 234; p. 736.
- Buckingham, Maurice A., Frederick, Md. Hat sweat-band. No. 1,238,881; Sept. 4; v. 242; p. 51.
- Buckingham, William H., San Francisco, and H. S. Johnson, Mill Valley, assignors to Hercules Motor Patents, San Francisco, Cal. Railway-truck and drive therefor. No. 1,216,063; Feb. 13; v. 235; p. 594.
- Buckingham, William H., Mount Tamalpais, and H. S. Johnson, Mill Valley, assignors to Hercules Motor Patents, San Francisco, Cal. Worm-drive for railway-car trucks. No. 1,216,064; Feb. 13; v. 235; p. 595.
- Buckius, Albert O., Jr., Chicago, Ill., assignor to The National Malleable Castings Company, Cleveland, Ohio. Making journal-boxes. No. 1,229,219; June 12; v. 239; p. 334.
- Buckius, Albert O., Jr., Chicago, Ill., assignor to The National Malleable Castings Company, Cleveland, Ohio. Journal-box. No. 1,229,220; June 12; v. 239; p. 334.
- Buckius, Albert O., Jr., Chicago, Ill., assignor to The National Malleable Castings Company, Cleveland, Ohio. Wear-plate for journal-boxes. No. 1,230,859; June 26; v. 239; p. 955.
- Buckland, George, San Francisco, Cal. Tire-holder. No. 1,239,254; Sept. 4; v. 242; p. 172.
- Buckles, Pearley G. (See Tharp and Buckles.)
- Buckley, Andrew J., Calvert, Tex. Separating-machine. No. 1,239,561; Sept. 11; v. 242; p. 297.
- Buckley and Douglas Lumber Company, The. (See Hartsuch, Bruce E., assignor.)
- Buckley, Emery L., Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Regulator for fluid-compressors. No. 1,240,539; Sept. 18; v. 242; p. 642.
- Buckley, William, and W. Iversen, Portage, Wis. Folding coop. No. 1,226,305; May 15; v. 238; p. 851.
- Bucklitch, Gustave. (See Hadfield, Samuel, assignor.)
- Buckman, Edward A., Walkerville, Ontario, Canada, assignor of one-half to E. H. Sellers. Electric welder. No. 1,220,598; Mar. 27; v. 236; p. 1050.
- Buckman, John S., Elmhurst, assignor to Berg Brothers, New York, N. Y. Hat-forming die. No. 1,223,665; Apr. 24; v. 237; p. 1034.
- Buckman, John S., Elmhurst, assignor to Berg Brothers, New York, N. Y. Hat-forming machine. No. 1,223,666; Apr. 24; v. 237; p. 1035.
- Buckman, Warren L., assignor of one-half to J. I. Corn, Amberg, Wis. Means for fastening shoes. No. 1,248,609; Dec. 4; v. 245; p. 55.
- Buckner, Frederick I., assignor of one-half to C. G. Soriano, Douglas, Ariz. Washing-machine. No. 1,227,578; May 29; v. 238; p. 1340.
- Buckner, Hubbard T., Seattle, Wash. Surgical splint. No. 1,243,137; Oct. 16; v. 243; p. 604.
- Buckner, William A., Fresno, Cal. Lock-nut. No. 1,213,071; Jan. 16; v. 234; p. 996.
- Buckner, William A., Fresno, Cal. Irrigating-sprinkler. No. 1,232,208; July 3; v. 240; p. 225.
- Bucks, Harry, Somerville, Mass. Alarm attachment for drip-pans. No. 1,212,124; Jan. 9; v. 234; p. 634.
- Buckwalter, Henry H., et al. (See Von Elbertz, Frank-will, assignor.)
- Buckwalter, Tracy V., Altoona, Pa. Speed-governor. No. 1,228,402; June 5; v. 239; p. 10.
- Buckwalter, Tracy V., Altoona, Pa. Exhaust-muffler. No. 1,240,415; Sept. 18; v. 242; p. 603.
- Buckwalter, Tracy V., Altoona, Pa. Testing-machine. No. 1,240,416; Sept. 18; v. 242; p. 603.
- Buckwalter, Tracy V., Altoona, Pa. Motor-vehicle. No. 1,240,417; Sept. 18; v. 242; p. 604.
- Buckwalter, Tracy V., Altoona, Pa. Internal-combustion engine. No. 1,245,188; Nov. 6; v. 244; p. 14.
- Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Antifriction-bearing. No. 1,247,928; Nov. 27; v. 244; p. 920.
- Bucyrus Company. (See Dutcher, Pierpont E., assignor.)
- Bucyrus Company. (See Morison, Bager, and Kaeser, assignors.)
- Buda Company. (See Dyer, Walter C., assignor.)
- Buda Company, The. (See Williams, Theron H., assignor.)
- Budd, Allen, et al. (See Machamer, Isaac A., assignor.)
- Budd, Andrew, et al. (See Machamer, Isaac A., assignor.)
- Budd, Edward G., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Metallic door and lock mechanism therefor. No. 1,214,892; Feb. 6; v. 235; p. 142.
- Budd, Harry, Independence, Kans. Clothes-wringer. No. 1,215,339; Feb. 13; v. 235; p. 332.
- Budd, Harry, Independence, Kans. Washbench. No. 1,215,340; Feb. 13; v. 235; p. 333.
- Budd, Harry, Independence, Kans. Washing-machine. No. 1,226,183; May 15; v. 238; p. 806.
- Budd, Harry, Independence, Kans. Driving-gearing. No. 1,233,178; July 10; v. 240; p. 575.
- Budd, Richard, et al. (See Machamer, Isaac A., assignor.)
- Buddecke, Henry G., Brooklyn, N. Y. Mixing-machine for salad-dressings. No. 1,233,023; July 10; v. 240; p. 523.
- Buddle, George T., Chicago, Ill. Combined table lock and opener. No. 1,247,074; Nov. 20; v. 244; p. 641.
- Budgeon, Frederick H., and B. C. Wright, Carstairs, Alberta, Canada. Post-driver. No. 1,247,634; Nov. 27; v. 244; p. 832.

Alphabetical list of patentees—Continued.

- Budget Cheque Corporation, The. (See Price, Henry F., assignor.)
- Budinger, Elmer, Northville, S. D. Grain-shocker. No. 1,232,652; July 10; v. 240; p. 402.
- Budlong, Frank M., assignor of one-half to J. M. Curragh, San Jose, Cal. Combined centering and facing tool. No. 1,244,953; Oct. 30; v. 243; p. 1227.
- Budlong, Standish S., Rockford, Ill. Excavating-machine. No. 1,210,412; Jan. 2; v. 234; p. 11.
- Budweiser, Bernhard, Chicago, Ill. Glove. No. 1,250,963; Dec. 25; v. 245; p. 861.
- Budy, Charles. (See Sajtos, George, assignor.)
- Bue, Peder J., and H. M. Tidwell, Pomeroy, Wash. Apparatus for steaming material. No. 1,243,251; Oct. 16; v. 243; p. 638.
- Bueb, Julius, Dessau, Germany. Manufacture of gas. No. 1,228,879; June 5; v. 239; p. 172.
- Buehler, Albert, assignor to The Toledo Button Machine Company, Toledo, Ohio. Hopper-slide-control means for shoe-button-fastening machines. No. 1,218,051; Mar. 6; v. 236; p. 57.
- Buehler, Albert W., assignor to The Toledo Button Machine Company, Toledo, Ohio. Button-placing-finger control. No. 1,220,599; Mar. 27; v. 236; p. 1051.
- Buehler, Albert W., assignor to The Toledo Button Machine Company, Toledo, Ohio. Shoe-button-fastening machine. No. 1,244,466; Oct. 30; v. 243; p. 1079.
- Buehner, William E. A., Newark, N. J., assignor to L. Weiscopef, New York, N. Y. Engine-cylinder. No. 1,228,880; June 5; v. 239; p. 173.
- Buehrer, Emil C., assignor to A. S. Joslin, Chicago, Ill. Dating-stamp. No. 1,218,590; Mar. 6; v. 236; p. 242.
- Bueker, Charles L., Brookville, Kans. Straw-spreader. No. 1,244,288; Oct. 23; v. 243; p. 988.
- Buell, Roy J., Detroit, Mich. Attachment for bath-tubs. No. 1,235,652; Aug. 7; v. 241; p. 40.
- Buell, William H., assignor to Winchester Repeating Arms Company, New Haven, Conn. Mixture for impact illuminating-bullets. No. 1,242,879; Oct. 9; v. 243; p. 489.
- Buelna, Guadalupe, Santa Barbara, Cal. Hydrant. No. 1,246,389; Nov. 13; v. 244; p. 404.
- Buelna, Guadalupe, and A. E. Burson, Santa Barbara, Cal., assignors to American Graphophone Company, Bridgeport, Conn. Brake for talking-machines. No. 1,221,285; Apr. 3; v. 237; p. 101.
- Buente, Charles E., assignor to Concrete Products Company of Pittsburgh, Pittsburgh, Pa. Fence. No. 1,236,048; Aug. 7; v. 241; p. 170.
- Buente, Charles E., assignor to Concrete Products Company of Pittsburgh, Pittsburgh, Pa. Reinforced-concrete cribbing. No. 1,248,070; Nov. 27; v. 244; p. 958.
- Buerk, Hans, Buffalo, N. Y., assignor to The Columbus Die, Tool & Machine Company, Columbus, Ohio. Polishing-machine. No. 1,234,443; July 24; v. 240; p. 1058.
- Buerk, Hans, and A. W. Happel, Buffalo, N. Y., assignors to The Columbus Die, Tool & Machine Company, Columbus, Ohio. Grinding-machine. No. 1,230,462; June 19; v. 239; p. 784.
- Buerk, Hans, and A. W. Happel, Buffalo, N. Y., assignors to The Columbus Die, Tool & Machine Company, Columbus, Ohio. Grinding-machine. No. 1,230,993; June 26; v. 239; p. 1001.
- Buesse, Leo J., Webster Groves, Mo. Base for supporting vises and the like on columns. No. 1,221,507; Apr. 3; v. 237; p. 178.
- Buff, Jacob, Union Hill, N. J. Carousel. No. 1,219,913; Mar. 20; v. 236; p. 771.
- Buff, Louis F. (See Henrici, Fritz W. A., assignor.)
- Buffa, James I., San Francisco, Cal. Graphophone attachment. No. 1,244,170; Oct. 23; v. 243; p. 951.
- Buffalo Air-Brake Company. (See Webster, Willis C., assignor.)
- Buffalo Bolt Company. (See Peirce, William B., assignor.)
- Buffalo Electric Vehicle Company. (See Peck, Frederick G., assignor.)
- Buffalo Forge Company. (See Carrier, Willis H., assignor.)
- Buffalo Forge Company. (See Criqui, Albert A., assignor.)
- Buffalo Scale Company. (See Devitt and Whistler, assignors.)
- Buffat, William E., Knoxville, Tenn. Friction-gearing. No. 1,229,879; June 12; v. 239; p. 556.
- Buffington, Chester L. (See Ward, George P., assignor.)
- Buffington, Herbert, South Bend, Wash. Waterproof paper. No. 1,240,934; Sept. 25; v. 242; p. 798.
- Buffum, Burt C., Denver, Colo. Grain-huller. No. 1,242,136; Oct. 9; v. 243; p. 253.
- Buford, John C. (See Horne, Henry M., assignor.)
- Eugatti, Etienne, Paris, France. Internal-combustion engine. No. 1,223,762; Apr. 24; v. 237; p. 1069.
- Bugbee, Alvin, Trenton, N. J. Roadway-box. No. 1,226,747; May 22; v. 238; p. 1031.
- Bugbee, Lucian W., assignor to American Optical Company, Southbridge, Mass. Retinoscope. No. 1,211,073; Jan. 2; v. 234; p. 240.
- Bugbee, Lucian W., assignor to American Optical Company, Southbridge, Mass. Process of plating. No. 1,214,271; Jan. 30; v. 234; p. 1474.
- Bugbee, Lucian W., assignor to American Optical Company, Southbridge, Mass. Bifocal. No. 1,221,967; Apr. 10; v. 237; p. 369.
- Bugbee, Lucian W., assignor to American Optical Company, Southbridge, Mass. Edging-machine. No. 1,227,243; May 22; v. 238; p. 1202.
- Bugbee, Lucian W., assignor to American Optical Company, Southbridge, Mass. Grinding-machine. No. 1,245,865; Nov. 6; v. 244; p. 219.
- Bugele, Hudson H., St. Louis, Mo. Bed and crib coupling device. No. 1,229,221; June 12; v. 239; p. 334.
- Buhl, Cay, Paterson, assignor to National Textile Machine Company, North Paterson, N. J. Cloth folding and winding machine. No. 1,216,280; Feb. 20; v. 235; p. 722.
- Buhl, Cay, assignor to The Johnson Van Vlaanderen Machine Company, Paterson, N. J. Dye-beck. No. 1,232,653; July 10; v. 240; p. 402.
- Buhl, G. Arthur. (See Stutzke, Richard W. G., assignor.)
- Bühler, Gebrüder. (See Roth, Ernst, assignor.)
- Buhles, William C., Alameda, Cal., assignor to Aluminum Seal Company, Pittsburgh, Pa. Closing-machine. No. 1,227,244; May 22; v. 238; p. 1202.
- Buhlmann, Emil, Jr., Dusseldorf, assignor to W. Hohner, manager, Trossingen, Germany. Illuminated advertising apparatus. No. 1,238,882; Sept. 4; v. 242; p. 51.
- Buhr, Joseph F., Detroit, Mich. Drill-head for drilling-machines. No. 1,237,017; Aug. 14; v. 241; p. 513.
- Buitrago, Rafael D., New York, N. Y. Bubble-blower. No. 1,215,617; Feb. 13; v. 235; p. 435.
- Buker, J. E., et al. (See Abbott, Alfred S., assignor.)
- Bulask, Francis J., and F. E. Koella, Toledo, Ohio. View-record mechanism. No. 1,236,819; Aug. 14; v. 241; p. 450.
- Bulatovich, Petar M., Sesser, Ill. Railway-spike. No. 1,228,291; May 29; v. 238; p. 1579.
- Bulatovich, Petar M., Sesser, Ill. Life-saver. No. 1,228,292; May 29; v. 238; p. 1579.
- Bule, Edward R., New York, N. Y. Composition of matter for the removal of road-tar and road-oil from finished surfaces. No. 1,248,071; Nov. 27; v. 244; p. 958.
- Bulgakow, Nicolai, Yuriev, Jurjew, Russia. Automatic locking device for firearms. No. 1,212,012; Jan. 9; v. 234; p. 597.
- Bulkeley, Emery L., Painted Post, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Regulator for fluid-compressors. No. 1,211,074; Jan. 2; v. 234; p. 240.
- Bull, Charles A., Albion, Nebr. Automobile-lock. No. 1,233,973; July 17; v. 240; p. 869.
- Bull, Edward E., Whitwell, Tenn. Crossover-dump. No. 1,229,222; June 12; v. 239; p. 335.
- Bull, Frank J., Fort Collins, Colo. Sectional form for construction of concrete culverts, sewers, flumes, and similar arched structures. No. 1,249,084; Dec. 4; v. 245; p. 190.
- Bull, Hans, Philadelphia, Pa. Sulfonation of aromatic hydrocarbons or their derivatives. No. 1,247,499; Nov. 20; v. 244; p. 762.
- Bulla, Melbern B., El Paso, Tex., assignor to Train Control Appliance Company, Dover, Del. Track appliance for automatic stops. No. 1,245,672; Nov. 6; v. 244; p. 161.
- Bulla, William H., King City, Mo. Automobile-jack. No. 1,226,059; May 15; v. 238; p. 764.
- Bullard, Albert M., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system and apparatus therefor. No. 1,219,700; Mar. 20; v. 236; p. 697.
- Bullard, Edward P., Jr., and W. N. Stevens, assignors to The Bullard Machine Tool Company, Bridgeport, Conn. Work-spindle adjustment. No. 1,250,556; Dec. 18; v. 245; p. 691.
- Bullard Machine Tool Company, The. (See Bullard and Stevens, assignors.)
- Bullard, Newton H., Milledgeville, Ga. Liquid-dispensing can. No. 1,242,137; Oct. 9; v. 243; p. 253.
- Bullen, Arthur C., Swink, Colo. Vegetable-cutter. No. 1,220,179; Mar. 27; v. 236; p. 902.
- Bullen, Harry S. (See Dyson and Bullen.)
- Buller, Jacob W., Hillsboro, Kans. Coupling. No. 1,240,818; Sept. 25; v. 242; p. 760.
- Bullers, Limited. (See Twiss, George V., assignor.)
- Bulley, George W., assignor to Mercury Manufacturing Company, Chicago, Ill. Electric tractor. No. 1,217,702; Feb. 27; v. 235; p. 1261.
- Bulley, Louis T., assignor to C. Cowles and Company, New Haven, Conn. Window-regulator. No. 1,245,189; Nov. 6; v. 244; p. 14.
- Bulley, Louis T., West Haven, assignor to C. Cowles & Co., New Haven, Conn. Separable fastener. No. 1,246,868; Nov. 20; v. 244; p. 581.
- Bullinger, David J., New Haven, Mo. Internal-combustion engine. No. 1,222,600; Apr. 17; v. 237; p. 633.
- Bullington, Frank A., Portland, Oreg. Mechanism for controlling aeroplanes. No. 1,224,357; May 1; v. 238; p. 87.
- Bullington, Frank A., Portland, Oreg. Aeroplane. No. 1,249,593; Dec. 11; v. 245; p. 366.
- Bullis, Frederick O., assignor to Lektrik Sales Company, Louisville, Ky. Combined dispensing and measuring device. No. 1,225,107; May 8; v. 238; p. 398.
- Bullis, Henry C., Redwood Falls, Minn. Producing magnetic sound-records for talking-motion-picture films. No. 1,213,150; Jan. 23; v. 234; p. 1057.
- Bullock, Alvah E., and A. Blain, Manchester, N. H. Builder-motion for spinning or winding machines. No. 1,243,485; Oct. 16; v. 243; p. 708.

- Bullock, Arthur R., Cleveland, Ohio. Current-converting device. No. 1,216,413; Feb. 20; v. 235; p. 770.
- Bullock, Arthur R., Cleveland, Ohio. Current-converting device. No. 1,223,473; Apr. 24; v. 237; p. 965.
- Bullock, Arthur R., Cleveland, Ohio, assignor to H. C. Lee, trustee, Los Angeles, Cal. Current-transforming device. No. 1,223,470; Apr. 24; v. 237; p. 964.
- Bullock, Arthur R., Cleveland, Ohio, assignor to H. C. Lee, trustee, Los Angeles, Cal. Apparatus for charging storage batteries. No. 1,223,471; Apr. 24; v. 237; p. 965.
- Bullock, Arthur R., Cleveland, Ohio, assignor to H. C. Lee, trustee, Los Angeles, Cal. Synchronous motor. No. 1,232,209; July 3; v. 240; p. 225.
- Bullock, Arthur R., assignor to The Erie Coil Company, Cleveland, Ohio. Running a synchronous motor. No. 1,223,472; Apr. 24; v. 237; p. 965.
- Bullock, Fred J., assignor to Papee Machine Company, Shortsville, N. Y. Knife-support for cutting-wheels. No. 1,236,259; Aug. 7; v. 241; p. 234.
- Bullock, Fred J., assignor to Papee Machine Company, Shortsville, N. Y. Enslage-cutting-wheel mounting. No. 1,236,260; Aug. 7; v. 241; p. 235.
- Bullock, Fred J., assignor to Papee Machine Company, Shortsville, N. Y. Rotary cutting-wheel. No. 1,244,171; Oct. 23; v. 243; p. 951.
- Bullock, Fred J., assignor to Papee Machine Company, Shortsville, N. Y. Knife-support for cutting-wheels. No. 1,249,020; Dec. 4; v. 245; p. 172.
- Bullock, Samuel A., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Single-truck spring-stabilizer. No. 1,231,487; June 26; v. 239; p. 1165.
- Bullock Tractor Co. (See Stark, William O., assignor.)
- Bullock Tractor Company. (See Houghton, Orley C., assignor.)
- Bullock, William, *et al.* (See Webster, Lewis E., assignor.)
- Bullum, Steve, Tulsa, Okla. Combination-clamp. No. 1,229,408; June 12; v. 239; p. 398.
- Bullum, Steve, Tulsa, Okla. Combination slip-socket. No. 1,244,289; Oct. 23; v. 243; p. 989.
- Bully Hill Copper Mining & Smelting Company. (See Hanley, Herbert R., assignor.)
- Bulmer, George D., Duquesne, Pa. Swing-hook. No. 1,247,500; Nov. 20; v. 244; p. 763.
- Bulow, Robert, Copenhagen, Denmark. Interchangeable body for automobile-chassis. No. 1,248,410; Nov. 27; v. 244; p. 1054.
- Bumann, Cecil S., Oakland, Cal., assignor to Unit Construction Company, St. Louis, Mo. Train-shed. No. 1,231,998; July 3; v. 240; p. 154.
- Bumgarner, Stephen O., Given, Ohio. Elevator for silos. No. 1,240,935; Sept. 25; v. 242; p. 798.
- Bump, James A., Malta, Ohio. Cock. No. 1,222,068; Apr. 10; v. 237; p. 403.
- Bunce, Harry, East Islip, N. Y. Heat-conservor for gas-stoves. No. 1,225,761; May 15; v. 238; p. 663.
- Bunce, William N. (See Groff and Bunce.)
- Bunch, John A., Adams, Oreg. Fire-alarm and multiple circuit-closer. No. 1,220,493; Mar. 27; v. 236; p. 1014.
- Bunch, Walter S., Klamath Falls, Oreg. Nut-lock. No. 1,250,278; Dec. 18; v. 245; p. 607.
- Bunda, John. (See Marcinkowski and Bunda.)
- Bunde, Clara A. (See Bell, Lewis B., assignor.)
- Bundy, Cyrus L., East Orange, N. J., assignor of one-half to W. Bohlbeber, New York, N. Y. Spark-plug. No. 1,212,449; Jan. 16; v. 234; p. 779.
- Bundy, Cyrus L., East Orange, N. J., and J. J. Acker, Horton, Kans. Friction draft-rigging. No. 1,210,413; Jan. 2; v. 234; p. 11.
- Bundy, Elmer E. (See Crain, Kengle, and Bundy.)
- Bundy, Willard H., assignor to W. H. Bundy Recording Company, Syracuse, N. Y. Time-recorder. No. 1,213,662; Jan. 23; v. 234; p. 1235.
- Bungay, George W., Brooklyn, N. Y., assignor to Bungay Mfg. Company. Controller for mechanical gear-shifts. No. 1,233,548; July 17; v. 240; p. 732.
- Bungay Mfg. Company. (See Bungay, George W., assignor.)
- Bunger, August, Hoboken, N. J. Bronzing liquid. No. 1,220,947; Mar. 27; v. 236; p. 1167.
- Bunger, Tielko K., Wellsburg, Iowa. Lawn-mower. No. 1,222,263; Apr. 10; v. 237; p. 473.
- Bunke, Charles F. (See Long and Bunke.)
- Bunke, Frederick H. (See Long and Bunke.)
- Bunker, Carey E., Oregon, Mo. Automatic head-lamp control. No. 1,230,663; June 19; v. 239; p. 851.
- Bunker, Raymond U., Yonkers, N. Y. Evaporating aqueous solutions. No. 1,221,022; Apr. 3; v. 237; p. 7.
- Bunker, Sherman P., Rockville Center, N. Y. Protective cover for fruit-crates. No. 1,213,584; Jan. 23; v. 234; p. 1210.
- Bunker, Ward S., Waukesha, Wis. Road-surfacers. No. 1,266,637; May 22; v. 238; p. 995.
- Bunn, Carl, Flint, Mich. Animal-trap. No. 1,246,539; Nov. 13; v. 244; p. 448.
- Bunnell, Isaac S., East Orange, N. J. Producing printing mediums. No. 1,237,239; Aug. 14; v. 241; p. 581.
- Bunnell, Morton G., assignor to The Coming Manufacturing Company, Chicago, Ill. Exhaust-whistle. No. 1,210,898; Jan. 2; v. 234; p. 179.
- Bunnell, Morton G., assignor to F. C. Austin, Chicago, Ill. Ventilator apparatus. No. 1,212,450; Jan. 16; v. 234; p. 779.
- Bunnell, Morton G., assignor to F. C. Austin, Chicago, Ill. Rolling window-screen. No. 1,217,561; Feb. 27; v. 235; p. 1211.
- Bunnell, Morton G., assignor to R. T. Whelpley, Chicago, Ill. Wheel-tire. No. 1,232,654; July 10; v. 240; p. 403.
- Bunnell, Morton G., assignor to G. C. Mastin, deceased, Chicago, and E. W. Stees, Rockford, Ill.; M. C. Putnam, executrix. Spark-plug. No. 1,229,409; June 12; v. 239; p. 398.
- Bunnell, William O., and Q. A. Gates, Wilkes-Barre, Pa. Automobile-wheel guard. No. 1,239,347; Sept. 4; v. 242; p. 201.
- Bunnell, William O., and Q. A. Gates, Wilkes-Barre, Pa. Garbage-receptacle. No. 1,239,348; Sept. 4; v. 242; p. 201.
- Bunnell, William O., and Q. A. Gates, Wilkes-Barre, Pa. Direction-indicator. No. 1,239,349; Sept. 4; v. 242; p. 201.
- Bunnell, William O., and Q. A. Gates, Wilkes-Barre, Pa. Garbage-receptacle. No. 1,239,427; Sept. 4; v. 242; p. 225.
- Bunte Brothers. (See Coolidge, Laura M., assignor.)
- Bunting Iron Works *et al.* (See Hall, James T., assignor.)
- Bunting, Norman E., Chicago, Ill., assignor to International Harvester Company of New Jersey. Combined harvester and thresher. No. 1,222,730; Apr. 17; v. 237; p. 679.
- Bunyan, Walter W., Deckerville, Mich. Differential-power-transmission mechanism. No. 1,250,700; Dec. 18; v. 245; p. 732.
- Bunzlau, Robert, and C. L. Stoll, assignors to "Sembusto" Elastische Radbereifungen Gesellschaft m. b. H., Vienna, Austria-Hungary. Elastic wheel-tire. No. 1,213,834; Jan. 30; v. 234; p. 1324.
- Buob, Louis, Sr., Cincinnati, Ohio. Curtain-light for vehicle-tops. No. 1,242,108; Oct. 2; v. 243; p. 203.
- Buork, John E., Charlottesville, Va. Snow-skate. No. 1,213,739; Jan. 23; v. 234; p. 1260.
- Buquet, Aubin, Dulac, La. Computing-scale. No. 1,233,179; July 10; v. 240; p. 575.
- Buraschi, John P., South Bend, Ind. Leather-creasing machine. No. 1,218,369; Mar. 6; v. 236; p. 168.
- Burbage, William F., Philadelphia, Pa. Closure for collapsible tubes. No. 1,229,029; June 5; v. 239; p. 220.
- Burbank, Louis S., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Tension-measuring device. No. 1,211,820; Jan. 9; v. 234; p. 529.
- Burbank, Louis S., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Tension for spoolers. No. 1,238,100; Aug. 28; v. 241; p. 928.
- Burbank, Louis S., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Warp stop-motion for looms. No. 1,240,666; Sept. 18; v. 242; p. 680.
- Burch, Allen, assignor of one-half to W. W. Pennell, Amory, Miss. Fire-screen. No. 1,225,762; May 15; v. 238; p. 663.
- Burch, Charles B. (See Marchant and Burch.)
- Burch, Eli F., Laurel Springs, N. J., assignor to Crew Levick Company. Making plastic lubricating compounds. No. 1,238,101; Aug. 28; v. 241; p. 928.
- Burch, Eli F., Laurel Springs, N. J., assignor to Crew-Levick Company. Lubricating compound. No. 1,246,869; Nov. 20; v. 244; p. 582.
- Burch, Frederick R., assignor of nine one-hundredths to J. West and nine one-hundredths to E. West, Seattle, Wash. Motor-sled. No. 1,228,093; May 29; v. 238; p. 1516.
- Burch, Frederick W., Pueblo, Colo. Water-bag receptacle. No. 1,215,477; Feb. 13; v. 235; p. 380.
- Burch, Frederick W., Pueblo, Colo. Awning-support. No. 1,218,591; Mar. 6; v. 236; p. 242.
- Burch, George B., Ballagh, Nebr. Spring-wheel. No. 1,212,607; Jan. 16; v. 234; p. 836.
- Burch, Henry K., Miami, Ariz. Screen. No. 1,224,598; May 1; v. 238; p. 173.
- Burch, Samuel E., Wellwood, Manitoba, Canada. Balanced lubricator. No. 1,243,252; Oct. 16; v. 243; p. 638.
- Burchard, Samuel W., St. Louis, Mo. Cattle-guard. No. 1,221,286; Apr. 3; v. 237; p. 101.
- Burchartz, Ferdinand, New York, N. Y., assignor to Burchartz Fireproofing Company, Inc. Hollow block for building purposes. No. 1,215,106; Feb. 6; v. 235; p. 218.
- Burchartz, Ferdinand, New York, N. Y., assignor to Burchartz Fireproofing Company, Inc. Hollow block for reinforced-concrete floors. No. 1,219,532; Mar. 20; v. 236; p. 639.
- Burchartz Fireproofing Company. (See Burchartz, Ferdinand, assignor.)
- Burchell-Johnston Corporation, The. (See Edwards, Bruce V., assignor.)
- Burchell, Theophilus T., Manchester, Ky. Secret drawer. No. 1,247,367; Nov. 20; v. 244; p. 724.
- Burchenal, John J., assignor, by mesne assignments, to The Hydrogenation Company, Cincinnati, Ohio. Making a nickel catalyst. No. 1,226,945; May 22; v. 238; p. 1099.
- Burchiel, Otha P. (See Stapleton, Charles A., assignor.)
- Burchiel, Otha P. (See Stapleton and Burchiel.)
- Burchill, Richard D., Tampa, Fla. Motor-sleigh. No. 1,210,899; Jan. 2; v. 234; p. 180.
- Burd, George B. (See Farrell, Henry C., assignor.)

Alphabetical list of patentees—Continued.

- Burd, Roy L., Chicago, Ill., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,221,829; Apr. 10; v. 237; p. 320.
- Burda, Matthew, Chicago, Ill. Trunk-lock. No. 1,217,146; Feb. 27; v. 235; p. 1066.
- Burden, William J. (See Bacon, Byron R., assignor.)
- Burdett, George E., Lubec, Me. Rake-cleaner. No. 1,230,664; June 19; v. 239; p. 852.
- Burdett Loomis Corporation, The. (See Loomis, Burdett, assignor.)
- Burdette, Richard S., San Francisco, Cal. Convertible roll-film camera. No. 1,250,792; Dec. 18; v. 245; p. 760.
- Burdick, Ellsworth J., Detroit, Mich. Insulator-block cable bracket-hanger. No. 1,227,111; May 22; v. 238; p. 1157.
- Burdick, Ephraim, Cleveland, Ohio. Onion-topping machine. No. 1,217,269; Feb. 27; v. 235; p. 1107.
- Burdick, Herbert. (See De Camp, Burdick, and Dooley.)
- Burdick, Herbert, East Orange, N. J., assignor to Addometer Corporation, New York, N. Y. Transfer device for calculators. No. 1,231,999. July 3; v. 240; p. 154.
- Burdick & Son. (See Krug, Louis R., assignor.)
- Buren, Arthur, Cullom, Ill. Belt-clamp. No. 1,236,261; Aug. 7; v. 241; p. 235.
- Burfelnd, Raymond H., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,237,998; Aug. 21; v. 241; p. 862.
- Burfelnd, Raymond H., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. (Reissue.) No. 14,411; Dec. 18; v. 245; p. 803.
- Burford, Clarence K., Pittsburgh, Pa. Potato-masher. No. 1,224,134; May 1; v. 238; p. 6.
- Burgard, Charles H., Leavenworth, Kans. Conveyer and mixer. No. 1,211,398; Jan. 9; v. 234; p. 384.
- Burge, George H., Huntsville, Mo. Rail-bond. No. 1,213,738; Jan. 23; v. 234; p. 1260.
- Burgedorff, Raymond N., Denver, Colo. Attachment for crank-arms. No. 1,227,743; May 29; v. 238; p. 1396.
- Burger, Jacob D., Chicago, Ill. Smoking-pipe. No. 1,214,887; Feb. 6; v. 235; p. 141.
- Burger, John P. (See Leilich and Burger.)
- Burger, Leopold F., Beloit, Wis., assignor to International Harvester Corporation, Gas-producer. No. 1,230,558; June 19; v. 239; p. 816.
- Burgess, Charles F., et al. (See Bernheim, Ernst, assignor.)
- Burgess, Charles F., Madison, Wis., assignor to C. F. Burgess Laboratories, Battery. No. 1,211,363; Jan. 2; v. 234; p. 336.
- Burgess, Edward W., Chicago, Ill., assignor to International Harvester Corporation. Clutch mechanism for corn-planters. No. 1,215,478; Feb. 13; v. 235; p. 381.
- Burgess, Edward W., Chicago, Ill., assignor to International Harvester Corporation. Clutch mechanism for corn-planters. No. 1,216,281; Feb. 20; v. 235; p. 723.
- Burgess, Edward W., Chicago, Ill., assignor to International Harvester Company of New Jersey. Ensilage-elevator. No. 1,233,308; July 17; v. 240; p. 651.
- Burgess, Edward W., Chicago, Ill., assignor to International Harvester Company of New Jersey. Wheeled scraper. No. 1,233,839; July 17; v. 240; p. 825.
- Burgess, Edward W., Chicago, Ill., assignor to International Harvester Company of New Jersey. Road-grader. No. 1,233,840; July 17; v. 240; p. 826.
- Burgess, Edward W., Chicago, Ill., assignor to International Harvester Company of New Jersey. Baling-press. No. 1,237,608; Aug. 21; v. 241; p. 739.
- Burgess, Edward W., Chicago, Ill., assignor to International Harvester Corporation. Clutch for corn-planters. No. 1,247,075; Nov. 20; v. 244; p. 641.
- Burgess, Frank, Wollaston, Mass. Gear-cutting machine. No. 1,233,180; July 10; v. 240; p. 576.
- Burgess, Frederick T., assignor of one-half to Humber Limited, Coventry, England. Piston particularly for internal-combustion engines. No. 1,226,306; May 15; v. 238; p. 852.
- Burgess, Garrett, Detroit, Mich. Signaling device for vehicles. No. 1,216,207; Feb. 13; v. 235; p. 645.
- Burgess, John W., assignor of two-thirds to B. A. Hawk and H. B. Jenkins, Topeka, Kans. Fastener for cancellations. No. 1,227,380; May 22; v. 238; p. 1244.
- Burgess, Joseph E., assignor to United Railways Company of St. Louis, St. Louis, Mo. Wire-connector. No. 1,216,545; Feb. 20; v. 235; p. 816.
- Burgess, Louis. (See Barnett and Burgess.)
- Burgess, William S., Marblehead, Mass., assignor to Curtiss Aeroplane and Motor Corporation. Inherently-stable flying-boat. No. 1,246,010; Nov. 6; v. 244; p. 259.
- Burget, William B., Kansas City, Mo. Musical whistle. No. 1,250,557; Dec. 18; v. 245; p. 691.
- Burgett, Charles H. (See Morrow and Burgett.)
- Burgett, William M., Floydada, Tex. Animal-trap. No. 1,232,210; July 3; v. 240; p. 226.
- Burglar Proof Lock and Hardware Corporation. (See Segal, Samuel, assignor.)
- Burgoon, Edward A. (See Spelce, Francis H., assignor.)
- Burgquist, Ernest J., Chicago, Ill. Curtain-stretcher. No. 1,227,744; May 29; v. 238; p. 1397.
- Burhen, Reinhart J., assignor to Henry M. Blossom, St. Louis, Mo. Movable toy. No. 1,246,540; Nov. 13; v. 244; p. 449.
- Burhop, John H., Hot Springs, Ark. Refrigerator showcase. No. 1,248,449; Dec. 4; v. 245; p. 7.
- Burhorn, Edwin, Hoboken, N. J. Cooling-tower. No. 1,234,444; July 24; v. 240; p. 1058.
- Burich, George, San Francisco, Cal. Valve for water-supply pipes. No. 1,244,833; Oct. 30; v. 243; p. 1191.
- Burk, John J., Decatur, Ala. Banana-protector. No. 1,244,954; Oct. 30; v. 243; p. 1227.
- Burk, Nannie. (See Burk, William H., assignor.)
- Burk, Patrick T., Milford, Iowa. Motor-vehicle. No. 1,242,650; Oct. 9; v. 243; p. 417.
- Burk, William H., assignor to N. Burk, Chattanooga, Tenn. Internal-combustion engine. No. 1,250,135; Dec. 18; v. 245; p. 563.
- Burkart, William J., Pittsburgh, Pa., assignor to Pittsburgh Engineering Company. Air-eliminator. No. 1,247,218; Nov. 20; v. 244; p. 683.
- Burke, Alfred, Flushing, N. Y. Display device. No. 1,213,465; Jan. 23; v. 234; p. 1165.
- Burke, Alfred, Brooklyn, N. Y. Making celluloid spectacle-frames. No. 1,224,600; Mar. 27; v. 236; p. 1051.
- Burke, Alfred, Brooklyn, N. Y. Mirror-frame. No. 1,240,175; Sept. 18; v. 242; p. 526.
- Burke, Alfred, Brooklyn, N. Y. Hair ornament. No. 1,248,450; Dec. 4; v. 245; p. 7.
- Burke, Charles R., Chicago, Ill. Safety-razor. No. 1,249,021; Dec. 4; v. 245; p. 172.
- Burke, Edmund, assignor to Crane Company, Chicago, Ill. Feed-water apparatus. No. 1,242,917; Oct. 16; v. 243; p. 535.
- Burke & James. (See Horák, Jaroslav, assignor.)
- Burke, James A., Ligonier, Pa. Window-fastener. No. 1,225,763; May 15; v. 238; p. 663.
- Burke, John F., Philadelphia, Pa. Coaster-diving apparatus. No. 1,230,559; June 19; v. 239; p. 817.
- Burke, Lawrence, Jr. (See Batchelder, George O., assignor.)
- Burke, May L., New London, Conn. Non-refillable bottle. No. 1,242,138; Oct. 9; v. 243; p. 254.
- Burke, Michael. (See Burnett, Michael G., assignor.)
- Burke, Mike T., KallsPELL, assignor of one-half to M. Gorham, Butte, Mont. Fuel-mixer for explosive-engines. No. 1,212,013; Jan. 9; v. 234; p. 597.
- Burke, Peter D., Roswell, S. D. Clevis. No. 1,233,549; July 17; v. 240; p. 732.
- Burke Process Company, The. (See Burke, Wilbur B., assignor.)
- Burke, Solon W., Archbold, Ohio. Pocket-atomizer. (Reissue.) No. 14,325; July 3; v. 240; p. 309.
- Burke, Thomas E., and J. R. A. Lindholm, Chicago, Ill. Submarine life-saving and observation device. No. 1,215,905; Feb. 13; v. 235; p. 536.
- Burke, Thomas F. (See Stathakis, Angel, assignor.)
- Burke, Wilbur B., assignor to The Burke Process Company, Cleveland, Ohio. Vulcanizing rubber. No. 1,216,654; Feb. 20; v. 235; p. 854.
- Burke, William H. (See Serratos, Alfredo, assignor.)
- Burke, William H., Haverhill, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Roll for operating upon boots and shoes. No. 1,217,405; Feb. 27; v. 235; p. 1153.
- Burke, William J., assignor to Elliott Company, Pittsburgh, Pa. Controlling-valve. No. 1,220,823; Mar. 27; v. 236; p. 1127.
- Burke, William S., Chicago, Ill. Window-sash. No. 1,248,451; Dec. 4; v. 245; p. 7.
- Burkel, Mathew J., Aurora, Ill. Open grip-handle, inside-trigger pneumatic tool. No. 1,238,255; Aug. 28; v. 241; p. 980.
- Burket, Henry E., assignor of one-half to E. E. Lynch, Leavenworth, Kans. Rectifier. No. 1,243,807; Oct. 23; v. 243; p. 843.
- Burkett, Ira E., assignor to Schofield-Burkett Construction Company, Macon, Ga. Excavating-scraper. No. 1,242,320; Oct. 9; v. 243; p. 311.
- Burkett, John W., assignor to The Burkett Manufacturing Company, Columbus, Ohio. Internal-combustion engine. No. 1,225,310; May 8; v. 238; p. 468.
- Burkett, Joseph B., Levita, Tex. Funnel and gage. No. 1,243,587; Oct. 16; v. 243; p. 738.
- Burkett Manufacturing Company, The. (See Burkett, John W., assignor.)
- Burkhardt, Carl H., San Francisco, Cal. Hose-clasp. No. 1,214,130; Jan. 30; v. 234; p. 1425.
- Burkhardt, Frank J., assignor to The Automatic Nut Cracker Company, Cincinnati, Ohio. Nut-cracking device. No. 1,210,414; Jan. 2; v. 234; p. 12.
- Burkhardt, Gustave, Chicago, Ill. Locking-valve. No. 1,217,406; Feb. 27; v. 235; p. 1154.
- Burkhardt, Gustave, Chicago, Ill. Combined fuel-valve and switch-lock. No. 1,230,108; June 19; v. 239; p. 667.
- Burkhart, Franklin H. (See Fenstermaker, Emanuel L., assignor.)
- Burkhart, Frederick H., Trenton, N. J. Lightning-arrester. No. 1,246,712; Nov. 13; v. 244; p. 499.
- Burkhim, Louis J. (See Davenport and Burkhim.)
- Burkholder, John D., Lancaster, Pa., assignor, by mesne assignments, to Toledo Scale Company, Toledo, Ohio. Dash-pot. No. 1,220,180; Mar. 27; v. 236; p. 903.
- Burkholder, John H., assignor to The Elite Manufacturing Company, Ashland, Ohio. Folding bracket for builders' scaffolds. No. 1,238,722; Aug. 28; v. 241; p. 1127.
- Burkholder, John H., assignor to The Elite Manufacturing Company, Ashland, Ohio. Lift-jack. No. 1,238,723; Aug. 28; v. 241; p. 1127.

- Burkholder, John H., assignor to The Elite Manufacturing Company, Ashland, Ohio. Corner-bracket for builders' scaffolds. No. 1,238,724; Aug. 28; v. 241; p. 1128.
- Burkholder, Ross, Marshall, Ill. Adjustable concrete-culvert form. No. 1,219,434; Mar. 20; v. 236; p. 604.
- Burklund, John O., assignor of one-third to P. G. Holmes, Worcester, Mass. Ball-container for ball-bearings. No. 1,222,927; Apr. 17; v. 237; p. 746.
- Burkman, Arthur, Traverse City, Mich. Artificial bait. No. 1,232,211; July 3; v. 240; p. 226;
- Burkman, Frank. (See Kline, Francis, assignor.)
- Burks, Jay P., and C. M. Young, Helena, Ark. Paper-feeding device for type-writing machines. No. 1,229,880; June 12; v. 239; p. 556.
- Burks, Paul I., Louisville, Ky. Four-way vacuum-pump. No. 1,219,242; Mar. 13; v. 236; p. 508.
- Burks, Paul I., Louisville, Ky. Expression device for pneumatic piano-players. No. 1,219,243; Mar. 13; v. 236; p. 508.
- Burks, Paul I., Louisville, Ky. Winding and rewinding mechanism for note-sheets. No. 1,228,527; June 5; v. 239; p. 53.
- Burks, Philip H., Gordon, Nebr. Vegetable-cutter. No. 1,223,254; Apr. 17; v. 237; p. 856.
- Burks, William E., Pittsburgh, Pa. Accounting-file. No. 1,220,601; Mar. 27; v. 236; p. 1051.
- Burleigh, James K., and L. V. White, assignors to A. L. Zwissler, Kalamazoo, Mich. Signaling device for automobiles. No. 1,213,456; Jan. 23; v. 234; p. 1165.
- Burleigh, Lewis E., Chicago, Ill. Flower and plant box. No. 1,213,331; Jan. 23; v. 234; p. 1122.
- Burlew, Gilderoy O., Newark, N. J. Dental tool for cleaning teeth. No. 1,238,883; Sept. 4; v. 242; p. 62.
- Burlew, Miles, San Quentin, Cal., assignor of one-fourth to T. Woods, Nogales, Ariz. Raisin-curing apparatus. No. 1,233,974; July 17; v. 240; p. 869.
- Burley, Henry A., Milwaukie, Oreg. Washing-machine. No. 1,247,368; Nov. 20; v. 244; p. 724.
- Burlin, Charles T., assignor to The Whitin Machine Works, Whitinsville, Mass. Filer. No. 1,230,272; June 19; v. 239; p. 722.
- Burlingame, I. L., et al. (See Bentley, Frederick E., assignor.)
- Burlingham, Lucious D., Hubbard, Ohio. Swing. No. 1,212,739; Jan. 16; v. 234; p. 884.
- Burmeister, Charles, Sutherland, Iowa. Cultivator shovel or tooth. No. 1,220,181; Mar. 27; v. 236; p. 903.
- Burmeister, John, Minneapolis, Minn. Garment-supporter. No. 1,227,112; May 22; v. 238; p. 1158.
- Burmeister, Louis, Milwaukee, Wis. Hand-hole spout-tube. No. 1,224,135; May 1; v. 238; p. 7.
- Burmeister, William C., and E. N. Smock, Chicago, Ill., assignors of one-half to said Burmeister and one-half to said Smock. Window-heater. No. 1,243,703; Oct. 23; v. 243; p. 807.
- Burnell, David L., and L. J. Eberle, Nelsonville, Ohio. Heel. No. 1,246,870; Nov. 20; v. 244; p. 582.
- Burner, William L., assignor to The Kilbourne and Jacobs Manufacturing Company, Columbus, Ohio. Dump-car. No. 1,236,368; Aug. 7; v. 241; p. 266.
- Burner, William L., assignor to The Kilbourne and Jacobs Manufacturing Company, Columbus, Ohio. Dump-car. No. 1,245,866; Nov. 6; v. 244; p. 220.
- Burner, William L., and J. D. Benbow, assignors to The Kilbourne and Jacobs Manufacturing Company, Columbus, Ohio. Dump-car. No. 1,248,411; Nov. 27; v. 244; p. 1055.
- Burner, William L., and J. D. Benbow, assignors to The Kilbourne and Jacobs Manufacturing Company, Columbus, Ohio. Dump-car. No. 1,248,412; Nov. 27; v. 244; p. 1055.
- Burnes, Worley W. (See Burress and Burnes.)
- Burnett, Adelbert C., Youngstown, Ohio. Insulator attachment. No. 1,235,106; July 31; v. 240; p. 1297.
- Burnett, Cuthbert M., Shirley, England. Construction of ferroconcrete walls and the like. No. 1,237,999; Aug. 21; v. 241; p. 862.
- Burnett, Francis C. E., and E. J. Brunning, Montreal, Quebec, Canada. Electric heating device. No. 1,234,280; July 24; v. 240; p. 1003.
- Burnett, Frank P., and V. M. Van Brunt, assignors of one-third to C. J. Degavre, Newark, N. J. Button or clasp. No. 1,214,272; Jan. 30; v. 234; p. 1475.
- Burnett-Larsh Manufacturing Co., The. (See Larsh, Everett P., assignor.)
- Burnett, Michael G., Watertown, assignor of fifty-one hundredths to M. Burke, Marlboro, Mass. Arithmetical calculator. No. 1,222,731; Apr. 17; v. 237; p. 680.
- Burnett, Milo O., Marengo, Iowa. Reinforced-concrete bridge structure. No. 1,237,615; Aug. 21; v. 241; p. 741.
- Burnett, Ralph W., Westwood, Cal. Automatic lock-nut. No. 1,228,881; June 5; v. 239; p. 173.
- Burnett, Richard F. (See Frye, Chinn, and Burnett.)
- Burnett, Richard W., Montreal, Quebec, Canada. Ventilator. No. 1,215,341; Feb. 13; v. 235; p. 333.
- Burnett, Richard W., Montreal, Quebec, Canada. Car-roof. No. 1,224,899; May 8; v. 238; p. 328.
- Burnett, Richard W., Montreal, Quebec, Canada. Car-roof. No. 1,237,292; Aug. 21; v. 241; p. 636.
- Burnett, Richard W., Montreal, Quebec, Canada. Car-roof. No. 1,242,519; Oct. 9; v. 243; p. 373.
- Burnett, Richard W., Chicago, Ill. Wood-veneered metal. (Reissue.) No. 14,349; Sept. 11; v. 242; p. 484.
- Burnett, Richard W., Chicago, Ill. Grain-door seal and lock. No. 1,250,137; Dec. 18; v. 245; p. 564.
- Burnett, Richard W., Chicago, Ill. Dust-guard. No. 1,250,138; Dec. 18; v. 245; p. 564.
- Burnett, Richard W., Montreal, assignor of one-half to H. H. Vaughan, Westmount, Quebec, Canada. Steel car. No. 1,250,136; Dec. 18; v. 245; p. 563.
- Burney, Arthur W., Lewiston, Idaho. Water-cock. No. 1,216,940; Feb. 20; v. 235; p. 950.
- Burnham, George A., Saugus, Mass. Electric fuse. No. 1,239,876; Sept. 11; v. 242; p. 399.
- Burnham, George A., Saugus, Mass., assignor, by mesne assignments, to General Electric Company. Reverse-current relay. No. 1,213,835; Jan. 30; v. 234; p. 1324.
- Burnham, George A., Saugus, assignor to S. B. Condit, Jr., Brookline, Mass. Solenoid. No. 1,226,748; May 22; v. 238; p. 1032.
- Burnham, George A., Saugus, assignor to S. B. Condit, Jr., Brookline, Mass. Time-limit relay. No. 1,230,063; June 12; v. 239; p. 613.
- Burnham, George A., Saugus, assignor to S. B. Condit, Jr., Brookline, Mass. Time-limit controlling device for electric switches. No. 1,237,240; Aug. 14; v. 241; p. 582.
- Burnham, John A., Wenham, Mass. Twine-holder. No. 1,244,418; Oct. 23; v. 243; p. 1026.
- Burnhart, George W., Denver, Colo. Ore-concentrating apparatus. No. 1,218,977; Mar. 13; v. 236; p. 418.
- Burns, Albert G. (See Jackson, John R., assignor.)
- Burns, Alfred, assignor to West Boylston Manufacturing Company, Easthampton, Mass. Cloth-roll clutch. No. 1,230,079; June 12; v. 239; p. 619.
- Burns, Alvin C. (See Beck and Burns.)
- Burns, Andrew A. S., Montreal, Quebec, Canada. Device for correcting the deformities of the feet. No. 1,220,724; Mar. 27; v. 236; p. 1092.
- Burns, Arthur H., Penn Yan, N. Y. Wheel-tire. No. 1,232,490; July 10; v. 240; p. 351.
- Burns & Bassick Company, The. (See Cummins, Norman W., assignor.)
- Burns & Bassick Company, The. (See Diss and Hamtil, assignors.)
- Burns, Byron G., Calexico, Cal. Animal-trap. No. 1,243,588; Oct. 16; v. 243; p. 738.
- Burns, Charles L., Altamont, Mo. Clevis. No. 1,218,926; Mar. 13; v. 236; p. 401.
- Burns, Henry H., Battle Creek, Mich. Baler. No. 1,250,558; Dec. 18; v. 245; p. 691.
- Burns, Herbert A., assignor to International Precipitation Company, Los Angeles, Cal. Process and apparatus for separation of suspended particles from gases. No. 1,250,088; Dec. 11; v. 245; p. 510.
- Burns, Howard E., assignor to C. F. Massey Company, Chicago, Ill. Pipe-joint. No. 1,230,375; June 19; v. 239; p. 755.
- Burns, James A., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Mica-building machine. No. 1,234,866; July 31; v. 240; p. 1222.
- Burns, James F., Philadelphia, Pa. Electric switch-box. No. 1,215,249; Feb. 6; v. 235; p. 267.
- Burns, James F., Philadelphia, Pa. Pipe-hanger. No. 1,233,181; July 10; v. 240; p. 576.
- Burns, James F., Philadelphia, Pa. Meter protective device. No. 1,248,260; Nov. 27; v. 244; p. 1013.
- Burns, John. (See Parker and Burns, assignors.)
- Burns, John, Coventry, England. Machine for disintegrating substances. No. 1,237,241; Aug. 14; v. 241; p. 582.
- Burns, John, assignor to The Simmons Manufacturing Company, Kenosha, Wis. Metal joint. No. 1,230,376; June 19; v. 239; p. 755.
- Burns, John E., Flushing, N. Y. Dental casting-machine. No. 1,233,182; July 10; v. 240; p. 576.
- Burns, John G., Pulaski, Tenn. Medicated egg. No. 1,229,881; June 12; v. 239; p. 556.
- Burns, John G., assignor to S. Cohn, S. A. Isaacs, C. Appleby, and T. B. Carter, Pulaski, Tenn. Making medicated nest-eggs. No. 1,223,144; Apr. 17; v. 237; p. 821.
- Burns, John H., assignor of one-third to A. Morris and one-third to A. L. Morris, Yelm, Wash. Work-holder. No. 1,244,419; Oct. 23; v. 243; p. 1026.
- Burns, John J., and W. H. Flynn, Shortsville, N. Y. Culinary utensil. No. 1,241,818; Oct. 2; v. 243; p. 112.
- Burns, John W., and W. Beach, said Burns assignor of one-half of his right to G. C. Brothers, Los Angeles, Cal. Railway-crossing. No. 1,230,377; June 19; v. 239; p. 756.
- Burns, Joseph E., Canastota, N. Y. Marking device. No. 1,242,918; Oct. 16; v. 243; p. 536.
- Burns, Mary A., Williamstown, N. Y. Woman's hat-banding. No. 1,211,075; Jan. 2; v. 234; p. 241.
- Burns, Robert. (See Schneck and Burns.)
- Burns, Robert, Jr., Brooklyn, N. Y. Hoist. No. 1,234,622; July 24; v. 240; p. 1114.
- Burns, Robert J., Hewitt, Okla. Concrete-culvert form. No. 1,224,900; May 8; v. 238; p. 328.
- Burns, Robert L., Taft, Cal. Drill-stem and making the same. No. 1,236,145; Aug. 7; v. 241; p. 197.
- Burns, Samuel N., Harrovue, Ala. Rail-joint lock. No. 1,242,764; Oct. 9; v. 243; p. 453.
- Burns, Thomas, Madison, N. J. Stool. No. 1,240,119; Sept. 11; v. 242; p. 471.

Alphabetical list of patentees—Continued.

- Burns, Thomas F., assignor of one-half to R. P. Cruse, Oklahoma, Okla. Demountable rim. No. 1,247,789; Nov. 27; v. 244; p. 881.
- Burns, William. (See Parker and Burns.)
- Burns, William A., Drummondhill, Scotland. Sighting apparatus. No. 1,211,899; Jan. 9; v. 234; p. 384.
- Burns, William A., Drummondhill, Scotland, assignor to Vickers Limited, London, England. Sighting apparatus. No. 1,211,400; Jan. 9; v. 234; p. 384.
- Burns, William A., Drummondhill, Scotland, assignor to Vickers Limited, London, England. Sighting apparatus. No. 1,211,401; Jan. 9; v. 234; p. 385.
- Burns, William D., Bangor, Me. Needle-threader. No. 1,230,378; June 19; v. 239; p. 756.
- Burns, William G. (See Schnuck and Burns.)
- Burns, William G., New York, N. Y., assignor to Jabez Burns & Sons. Apparatus for cooling coffee, &c. No. 1,218,978; Mar. 13; v. 236; p. 419.
- Burns, William H., Chicago, Ill. Hair-trimmer. No. 1,224,444; May 1; v. 238; p. 120.
- Burnton, Carroll R., Fond du Lac, assignor of fifty one-hundredths to M. C. Severin, Milwaukee, Wis. Post-hole auger. No. 1,238,388; Aug. 28; v. 241; p. 1023.
- Burpee, Frank W., South Bellingham, Wash. Can-cover-seaming machine. No. 1,224,358; May 1; v. 238; p. 88.
- Burpee, Frank W., South Bellingham, Wash. Can-seaming machine. No. 1,230,273; June 19; v. 239; p. 723.
- Burpee, Frank W., assignor to Burpee & Letson, Ltd., South Bellingham, Wash. Conveyor. No. 1,224,445; May 1; v. 238; p. 120.
- Burpee & Letson. (See Burpee, Frank W., assignor.)
- Burr, Charles M., Bardonia, W. Va. Combination tobacco and match box. No. 1,241,340; Sept. 25; v. 242; p. 925.
- Burr, James L., Fierro, N. Mex. Internal-combustion engine. No. 1,226,462; May 15; v. 238; p. 899.
- Burr, William R., Cresco, Iowa. Wagon-box. No. 1,229,223; June 12; v. 239; p. 335.
- Burrell, Ellis B., Baltimore, Md. Brush. No. 1,232,212; July 3; v. 240; p. 227.
- Burrell, Ernest L., Chicago, Ill. Treating the fabric for power-transmission belts. No. 1,218,052; Mar. 6; v. 236; p. 58.
- Burrell, George T., River Forest, Ill. Automobile-guard. No. 1,225,406; May 8; v. 238; p. 501.
- Burrell, Joseph E., Winnipeg, Manitoba, Canada. Safety jewel-box. No. 1,221,830; Apr. 10; v. 237; p. 320.
- Burrell, Oliver J., San Francisco, Cal. Exterior seat for windows. No. 1,228,858; May 22; v. 238; p. 1069.
- Burress, John R., and W. W. Burnes, Willis Point, Tex. Railway-gate. No. 1,216,065; Feb. 13; v. 235; p. 595.
- Burridge, Francis O., executor. (See Burridge, Lee S.)
- Burridge, Lee S., deceased, by F. O. Burridge, executor, assignor, by mesne assignments, to Underwood Type-writer Company, New York, N. Y. Type-writing machine. No. 1,249,022; Dec. 4; v. 245; p. 172.
- Burris, Frank E., Des Moines, Iowa. Mechanism for opening doors. No. 1,232,213; July 3; v. 240; p. 227.
- Burris, George P., Pueblo, Colo. Safety-envelop. No. 1,225,924; May 15; v. 238; p. 717.
- Burris, Mathew, assignor of one-half to J. J. Huston, Omaha, Nebr. Can and closure therefor. No. 1,247,929; Nov. 27; v. 244; p. 920.
- Burritt, William H., St. Louis, Mo. Vehicle-wheel. No. 1,211,076; Jan. 2; v. 234; p. 241.
- Burritt, William H., St. Louis, Mo. Tire-casing mold. No. 1,214,888; Feb. 6; v. 235; p. 141.
- Burrmann, Henry, Davenport, Iowa. Railway-car truck. No. 1,237,166; Aug. 14; v. 241; p. 558.
- Burrmann, Henry, Davenport, Iowa. Railway-car truck. No. 1,237,167; Aug. 14; v. 241; p. 558.
- Burroughs Adding Machine Company. (See Barrett, Edward R., assignor.)
- Burroughs Adding Machine Company. (See Burd, Roy L., assignor.)
- Burroughs Adding Machine Company. (See Gardner, Clyde, assignor.)
- Burroughs Adding Machine Company. (See Gooch, Claborn W., assignor.)
- Burroughs Adding Machine Company. (See Harrison, Henry M., assignor.)
- Burroughs Adding Machine Company. (See Horton, Allen A., assignor.)
- Burroughs Adding Machine Company. (See Pasinski, Walter J., assignor.)
- Burroughs Adding Machine Company. (See Rinsche, Frank C., assignor.)
- Burroughs Adding Machine Company. (See Pike, William H., Jr., assignor.)
- Burroughs Adding Machine Company. (See Vincent, Jesse G., assignor.)
- Burroughs Adding Machine Company. (See Vincent and Whitte, assignors.)
- Burroughs Adding Machine Company. (See Wilson, William W., assignor.)
- Burroughs, Elmer C., Basin, Wyo. Hand-protector for steering-wheels. No. 1,235,549; Aug. 7; v. 241; p. 6.
- Burroughs, Lucius T., La Crosse, Wis. Glove. No. 1,239,255; Sept. 4; v. 242; p. 172.
- Burrowes, Edward T. (See Bartlett and McClain, assignors.)
- Burrowes, Edward T., Portland, Me. Holding means for roller-screens. No. 1,211,402; Jan. 9; v. 234; p. 385.
- Burrowes, Edward T., Portland, Me. Collapsible window-screen. No. 1,211,403; Jan. 9; v. 234; p. 385.
- Burrowes, Edward T., Portland, Me. Folding table. No. 1,235,431; July 31; v. 240; p. 1393.
- Burrowes, Edward T., Portland, Me. Folding table. No. 1,235,432; July 31; v. 240; p. 1394.
- Burrowes, Edward T., Portland, Me. Folding table. No. 1,235,433; July 31; v. 240; p. 1394.
- Burrowes, Edward T., Portland, Me. Folding table. No. 1,235,434; July 31; v. 240; p. 1394.
- Burrowes, Edward T., Portland, Me. Card-game apparatus. No. 1,237,293; Aug. 21; v. 241; p. 636.
- Burrowes, Frank M., Portland, Me. Folding table. No. 1,215,479; Feb. 13; v. 235; p. 381.
- Burrows, Clarence B., assignor, by mesne assignments, to Florida Soil Fertility Company, Tampa, Fla. Root-grubbing machine. No. 1,226,463; May 15; v. 238; p. 900.
- Burrows, Ernest E., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Locking device for automatic weighing-scales. No. 1,223,764; Apr. 24; v. 237; p. 1069.
- Burrows, Robert J. (See Clark and Burrows.)
- Burrows, William E., St. Joseph, Mo. Vehicle-wheel-locking device. No. 1,235,653; Aug. 7; v. 241; p. 40.
- Burrows, William E., St. Joseph, Mo. Automatic gear-shifting mechanism. No. 1,246,049; Nov. 13; v. 244; p. 301.
- Burson, Arthur E. (See Buelna and Burson.)
- Burson Manufacturing Company. (See Parker, William S., assignor.)
- Burstyn, Walther, Berlin, Germany. Switch for heavy alternating currents. No. 1,212,125; Jan. 9; v. 234; p. 634.
- Burt, Frank I., Shallow Water, Kans. Cattle-poke. No. 1,239,562; Sept. 11; v. 242; p. 297.
- Burt, Grinnell. (See Burt, Howard P. and G.)
- Burt, Howard P. and G., Palermo, Cal. Packing ripe olives. No. 1,238,708; Aug. 28; v. 241; p. 1123.
- Burt, Hugh V., Rock Island, Ill. Aluminum-soldering flux. No. 1,225,764; May 15; v. 238; p. 663.
- Burt, Julia A., Brooklyn, N. Y. Game. No. 1,235,435; July 31; v. 240; p. 1394.
- Burt, Peter, Bothwell, Scotland. Internal-combustion engine. No. 1,248,801; Dec. 4; v. 245; p. 111.
- Burt, Robinson, assignor to F. N. Burt Company, Limited, Buffalo, N. Y. Labeling-machine. No. 1,221,831; Apr. 10; v. 237; p. 320.
- Burt, Robinson, Buffalo, assignor to The F. N. Burt Company, Limited, New York, N. Y. Web-winding machine. No. 1,236,669; Aug. 14; v. 241; p. 400.
- Burt, William E., Burlington, Vt., assignor to The Leader Evaporator Company. Float-valve. No. 1,210,596; Jan. 2; v. 234; p. 75.
- Burch, Lewis D., assignor of one-half to C. H. Hackett, Baraboo, Wis. Bag-holder. No. 1,221,671; Apr. 3; v. 237; p. 232.
- Burdis, Alvin G., Huntington Park, assignor of one-half to S. L. Weaver, Los Angeles, Cal. Container-core for rolls of paper and the like. No. 1,214,750; Feb. 6; v. 235; p. 94.
- Burton, Alexander M., Pittsburgh, Pa. Fender. No. 1,230,463; June 19; v. 239; p. 785.
- Burton, Charles H., Washington, D. C., assignor to United States Pneumatic Company, New York, N. Y. Pneumatic conveyor. No. 1,234,281; July 24; v. 240; p. 1003.
- Burton, Charles S., Oak Park, Ill. Vehicle-wheel tire. No. 1,217,407; Feb. 27; v. 235; p. 1154.
- Burton, Charles S., Oak Park, Ill. Phonograph-sound-box connection. No. 1,247,219; Nov. 20; v. 244; p. 683.
- Burton, Charles S., Oak Park, Ill. Phonograph-sound-box connection. No. 1,247,220; Nov. 20; v. 244; p. 684.
- Burton, Charles S., Chicago, Ill. Extension-table-locking device. No. 1,237,294; Aug. 21; v. 241; p. 637.
- Burton, Charles S., Oak Park, assignor to Melville Clark Piano Company, Chicago, Ill. Combined piano and phonograph. No. 1,227,579; May 29; v. 238; p. 1340.
- Burton, Elisha L., assignor of one-half to R. C. Burton, Thealka, Ky. Drill-bit. No. 1,211,537; Jan. 9; v. 234; p. 432.
- Burton, Frank V., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric fitting. No. 1,245,673; Nov. 6; v. 244; p. 162.
- Burton, George D., Boston, Mass. Dyeing vegetable fibers. No. 1,214,007; Jan. 30; v. 234; p. 1384.
- Burton, George W. (See Fischer and Burton.)
- Burton, Grant, Stapleton, Ala. Apparatus for producing and condensing distillate. No. 1,238,256; Aug. 28; v. 241; p. 980.
- Burton, Herbert, New York, N. Y. Support for engines. No. 1,211,077; Jan. 2; v. 234; p. 241.
- Burton, Nathan L., Galesburg, Ill. Supporting device for ladies' hair. No. 1,240,307; Sept. 18; v. 242; p. 569.
- Burton, Ralph B., Schenectady, N. Y. Power-driven rotary fan. No. 1,237,866; Aug. 21; v. 241; p. 820.
- Burton, Roscoe C. (See Burton, Elisha L., assignor.)
- Burton, Thomas L., assignor to The American Brake Company, St. Louis, Mo. Brake slack-adjuster. No. 1,235,286; July 31; v. 240; p. 1351.
- Burton, Thomas L., assignor to The American Brake Company, St. Louis, Mo. Clasp-brake rigging. No. 1,240,819; Sept. 25; v. 242; p. 760.

- Burton, Thomas L., assignor to The American Brake Company, St. Louis, Mo. Brake-rigging. No. 1,249,320; Dec. 11; v. 245; p. 289.
- Burton, William S., Ames, Iowa. Pneumatic stacker mechanism. No. 1,222,180; Apr. 10; v. 237; p. 444.
- Burtraw, Lyman T., Marcellus, Mich. Car-seal carrier. No. 1,219,623; Mar. 20; v. 236; p. 670.
- Burtscher, John J., Devils Lake, N. D. Cart. No. 1,250,793; Dec. 18; v. 245; p. 760.
- Burt, Frank, Kalamazoo, Mich., assignor to Albaugh-Dover Co., Chicago, Ill. Driving or transmission gearing. No. 1,211,538; Jan. 9; v. 234; p. 432.
- Burwell, Fred W., East Cleveland, Ohio. Bath-tub attachment. No. 1,217,147; Feb. 27; v. 235; p. 1066.
- Burwell, Walker K. (See Hall, James A., assignor.)
- Busbey, Robert O., Houghton, La. Safety device for cranking explosive-engines. No. 1,235,107; July 31; v. 240; p. 1297.
- Buscemi, Peter, New York, N. Y. Safety-razor. No. 1,236,262; Aug. 7; v. 241; p. 235.
- Busch, Albert, Bruswick, and R. Lauch, assignors to Firm of J. A. Wülling, Berlin, Germany. Manufacture of calcium acetyl salicylate. No. 1,225,407; May 8; v. 238; p. 501.
- Busch, Gerhard, Philadelphia, Pa., assignor to Union Special Machine Company, Chicago, Ill. Looper-gage for sewing-machines. No. 1,237,746; Aug. 21; v. 241; p. 784.
- Busch-Sulzer Bros.-Diesel Engine Company. (See Bie, Albert, assignor.)
- Busch-Sulzer Bros.-Diesel Engine Company. (See Büchi, Alfred, assignor.)
- Busch-Sulzer Bros.-Diesel Engine Company. (See Füllscher, Johann, assignor.)
- Busch-Sulzer Bros.-Diesel Engine Company. (See Hentschke, Paul, assignor.)
- Busch-Sulzer Bros.-Diesel Engine Company. (See Schenker, Walter, assignor.)
- Busch-Sulzer Bros.-Diesel Engine Company. (See Schlaepfer, Robert, assignor.)
- Buschman, Edward L., East Orange, N. J. Truck. No. 1,239,457; Sept. 11; v. 242; p. 264.
- Buser, William B., Chillicothe, Ohio. Tufting mechanism. No. 1,215,618; Feb. 13; v. 235; p. 435.
- Bush, Arthur D., Olivet, Mich. Dish-washer. No. 1,215,107; Feb. 6; v. 235; p. 218.
- Bush, Charles A., Brooklyn, N. Y. Cartridge. No. 1,243,253; Oct. 16; v. 243; p. 639.
- Bush, Charles A., assignor to Oshkosh Manufacturing Company, Oshkosh, Wis. Mixing-machine. No. 1,211,539; Jan. 9; v. 234; p. 433.
- Bush, Edward, Delray, Mich. Motor-vehicle. No. 1,240,936; Sept. 25; v. 242; p. 798.
- Bush, Hazel B., Redlands, Cal. Apparatus for connecting service-wires to charged main wires. No. 1,249,898; Dec. 11; v. 245; p. 457.
- Bush, Henry H., Muskegon, Mich. Adjustable pedestal. No. 1,225,573; May 8; v. 238; p. 556.
- Bush, James J., Tacoma, Wash. Safety cranking device. No. 1,232,892; July 10; v. 240; p. 483.
- Bush, Jane A., Middletown, N. Y. Foldable quilting-frame. No. 1,239,877; Sept. 11; v. 242; p. 399.
- Bush, John C., Duluth, Minn. Clothes-locker. No. 1,249,594; Dec. 11; v. 245; p. 367.
- Bush, John T., Evanston, Ill. Shock-absorber. No. 1,218,370; Mar. 6; v. 236; p. 168.
- Bush, Samuel P., Columbus, Ohio. Car-coupling. No. 1,248,802; Dec. 4; v. 245; p. 112.
- Bush, Samuel P., Columbus, Ohio. Car-coupling. No. 1,248,803; Dec. 4; v. 245; p. 112.
- Bush, Samuel P., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Draft-yoke for railway-couplings. No. 1,238,491; Aug. 28; v. 241; p. 1056.
- Bush, William H., Framingham, Mass. Flying-machine. No. 1,213,585; Jan. 23; v. 234; p. 1210.
- Busha, Samuel J. (See Field and Busha.)
- Bushey, Fillmore, St. Albans, Vt. Razor-blade sharpener. No. 1,219,914; Mar. 20; v. 236; p. 771.
- Bushey, Fillmore, St. Albans, Vt. Razor-blade holder. No. 1,219,915; Mar. 20; v. 236; p. 772.
- Bushnell, Alvah, Jr., Philadelphia, Pa., assignor to Alvah Bushnell Company, Envelop. No. 1,234,867; July 31; v. 240; p. 1222.
- Bushnell, Ernest J. (See Kinney, Frank B., assignor.)
- Bushnell, Oscar P., Belleville, N. J. Steam-plate. No. 1,245,674; Nov. 6; v. 244; p. 162.
- Busiek, William A., Belleville, Ill. Stove and range. No. 1,211,404; Jan. 9; v. 234; p. 386.
- Busin, Francis. (See Mischansky, Stephen A., assignor.)
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Trussed brake-beam. No. 1,219,435; Mar. 20; v. 236; p. 605.
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Trussed brake-beam. No. 1,219,436; Mar. 20; v. 236; p. 605.
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Rail-supporting device. No. 1,221,832; Apr. 10; v. 237; p. 321.
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake-head construction. No. 1,237,609; Aug. 21; v. 241; p. 739.
- Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Supporting-spring mounting. No. 1,249,321; Dec. 11; v. 245; p. 289.
- Busse, Felix A. G., Happy Camp, Cal. Sanitary steam-cooker. No. 1,249,023; Dec. 4; v. 245; p. 173.
- Busse, William J., Chicago, Ill. Vehicle-wheel. No. 1,222,356; Apr. 10; v. 237; p. 506.
- Bussey, Allan C., Minneapolis, Minn. Egg-box. No. 1,216,208; Feb. 13; v. 235; p. 646.
- Bussey, Ernest, Dothan, Ala., assignor to Foot Air Accelerator Company, Cincinnati, Ohio. Foot air-accelerator for hydrocarbon-motors. No. 1,218,927; Mar. 13; v. 236; p. 402.
- Bussey, John M., Bluecreek, W. Va. Feeder. No. 1,241,706; Oct. 2; v. 243; p. 76.
- Busvold, Nils, Rjukan, Norway. Production of oxygen compounds of nitrogen from ammonia. No. 1,222,928; Apr. 17; v. 237; p. 746.
- Butcher, Alfred C., Staatsburg, N. Y. Hose connection. No. 1,233,750; July 17; v. 240; p. 796.
- Butcher, Amandus, Albany, Oreg. Extension step-ladder. No. 1,233,975; July 17; v. 240; p. 870.
- Butcher, Cuthbert W., Mamaroneck, N. Y. Knockdown step-ladder. No. 1,224,599; May 1; v. 238; p. 173.
- Butcher, Elmer E., Interlaken, N. J., assignor to Marconi Wireless Telegraph Company of America. Receiver of electrical oscillations. No. 1,226,060; May 15; v. 238; p. 764.
- Butcher, Elmer E., Interlaken, N. J., assignor to Marconi Wireless Telegraph Company of America. Oscillation-receiving apparatus. No. 1,228,647; June 5; v. 239; p. 92.
- Butcher, Elmer E., Interlaken, N. J., assignor to Marconi Wireless Telegraph Company of America. Means for receiving electrical oscillations. No. 1,233,841; July 17; v. 240; p. 826.
- Butcher, Harry E., assignor to The Standard Welding Company, Cleveland, Ohio. Method of and apparatus for removing interior burs from tubes. No. 1,215,773; Feb. 13; v. 235; p. 489.
- Butcher, Harry E., assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Apparatus for welding. No. 1,247,501; Nov. 20; v. 244; p. 763.
- Butcher, James M., Chicago, Ill. Airship. No. 1,242,766; Oct. 9; v. 243; p. 453.
- Butcher, James M., assignor to W. L. Rohrer, Chicago, Ill. Portable burglar-alarm. No. 1,241,484; Sept. 25; v. 242; p. 968.
- Butcher, William T., Upper Lake, Cal. Mower-knife sharpener. No. 1,228,403; June 5; v. 239; p. 10.
- Bute, William E., Stanhope, Iowa. Sled-runner roller. No. 1,227,882; May 29; v. 238; p. 1444.
- Butkus, John A. (See Blumberg and Butkus.)
- Butler, Charles A., administrator. (See Hier, John W.)
- Butler, Claude C., Port Towson, Okla. Check-valve. No. 1,227,883; May 29; v. 238; p. 1444.
- Butler, David M., Augusta, Ga. Tire-bracket. No. 1,240,667; Sept. 18; v. 242; p. 680.
- Butler, Fergus A., Danvers, Mass. Overcoat. No. 1,214,893; Feb. 6; v. 235; p. 143.
- Butler, H. S. (See Shodenheim, Robert, assignor.)
- Butler, Harry J., Brockport, N. Y. Mud-deflector. No. 1,220,494; Mar. 27; v. 236; p. 1014.
- Butler, Harry O., and W. B. Jennings, Franklin, Ind. Pump-operating mechanism. No. 1,224,849; May 1; v. 238; p. 260.
- Butler, Henry E., Schenectady, N. Y. Folding back-rest. No. 1,219,437; Mar. 20; v. 236; p. 605.
- Butler, Henry G., Wellington, Kans. Machine for preparing a burning ballast-pile for covering. No. 1,212,323; Jan. 16; v. 234; p. 736.
- Butler, J. W. (See Stubblefield, John A., assignor.)
- Butler, James A., Wollastan, Mass., assignor to Industrial Service and Equipment Company. Machine for stretching felt. No. 1,238,742; Sept. 4; v. 242; p. 7.
- Butler, James H., assignor of one-half to F. W. Austin, Gloversville, N. Y. Making coated leather articles. No. 1,236,049; Aug. 7; v. 241; p. 170.
- Butler, John, Cleveland, Ohio. Bricklayer's line-stretching gage. No. 1,234,282; July 24; v. 240; p. 1004.
- Butler, John E., Cowell, Cal. Bed-support. No. 1,247,369; Nov. 20; v. 244; p. 725.
- Butler, John H., Dallas, Tex., assignor to Parlin & Orendorf Company, Canton, Ill. Plow-hitch mechanism. No. 1,243,704; Oct. 23; v. 243; p. 808.
- Butler, Junius W., assignor of one-half to C. S. Royal, Salemburg, N. C. Tally-machine. No. 1,247,635; Nov. 27; v. 244; p. 835.
- Butler, Louis F., et al. (See Shockley, Jiles S., assignor.)
- Butler, Oresmus G., San Francisco, Cal. Rotary plow. No. 1,223,029; Apr. 17; v. 237; p. 781.
- Butler, Robert, Boston, Mass. Means for attaching a resilient cushion to a rigid base. No. 1,229,581; June 12; v. 239; p. 457.
- Butler, Robert, and E. A. Tinsman, Barberton, Ohio. Salvage-trimmer. No. 1,235,006; July 31; v. 240; p. 1267.
- Butler, Robert, and E. A. Tinsman, Barberton, Ohio. Cutting attachment for calendaring-machines. No. 1,245,190; Nov. 6; v. 244; p. 14.
- Butler, Samuel, Sharples, W. Va. Coal-handling machinery. No. 1,214,646; Feb. 6; v. 237; p. 58.
- Butler, Thomas F., Lorain, Ohio. Trap. No. 1,211,283; Jan. 2; v. 234; p. 313.

- Butler, Thomas M., Toledo, Ohio, assignor to C. H. Wacker, Chicago, Ill. Torch holding and guiding means. No. 1,238,257; Aug. 28; v. 241; p. 981.
- Butler, William M. (See Thie and Butler.)
- Butler, William, Long Beach, Cal. Beet-chopper. No. 1,250,794; Dec. 18; v. 245; p. 760.
- Butler, William F., Fairport, assignor to American Can Company, New York, N. Y. Method of and apparatus for positioning and cutting fish. No. 1,247,502; Nov. 20; v. 244; p. 763.
- Butler, William M., and E. R. Greeley, assignors to Pierce, Butler & Pierce Manufacturing Corporation, Syracuse, N. Y. Sectional boiler. No. 1,235,007; July 31; v. 240; p. 1268.
- Butler, Wilson W., et al. (See Gingras, Joseph N., assignor.)
- Butter Serving Machine Company. (See Straight, Bennett D., assignor.)
- Butterfield, Charles S., Mission, Tex. Excavator. No. 1,219,371; Mar. 13; v. 236; p. 553.
- Butterfield, Horace S., Portland, Oreg. Azimuth-chronometer. No. 1,219,372; Mar. 13; v. 236; p. 553.
- Butterfield, John C., Balham, London, assignor of one half to A. Ashworth, Bury, England. Production of tungsten from scheelite. No. 1,217,913; Mar. 6; v. 235; p. 10.
- Butterfield, John C., Balham, London, assignor of one half to A. Ashworth, Bury, England. Extraction of tungsten from tungsten ores. No. 1,217,914; Mar. 6; v. 235; p. 10.
- Butterly, William, Liverpool, England. Hernia-support. No. 1,230,665; June 19; v. 239; p. 852.
- Butters, Fredrick R., Syracuse, assignor to Syracuse Heater Company, Adams, N. Y. Heater. No. 1,234,283; July 24; v. 240; p. 1004.
- Butterworth, Arthur, Wilton, N. H. Soaping cloth. No. 1,235,183; July 31; v. 240; p. 1320.
- Butterworth, Frank W., Danville, Ill. Making bricks. No. 1,229,582; June 12; v. 239; p. 457.
- Butterworth, Harry J. (See Walter, Butterworth, and Sigler.)
- Butterworth-Judson Corporation. (See Dye and Lucas, assignors.)
- Buttman, Alonzo C., and F. P. Gable, Grandview, Iowa; said Buttman assignor to said Gable. Saw attachment. No. 1,226,464; May 15; v. 238; p. 900.
- Buttress, Joseph A., Los Angeles, Cal. Curve-scriber. No. 1,216,066; Feb. 13; v. 235; p. 595.
- Butts, Daniel G., assignor to Ivory Garter Company, New Orleans, La. Hosiery-supporter. No. 1,248,804; Dec. 4; v. 245; p. 112.
- Butts, Edward P., Springfield, Mass. Process and apparatus for drying. No. 1,212,014; Jan. 9; v. 234; p. 597.
- Butts, Eugene, Evansville, Wis. Hog ringing and castrating crate. No. 1,225,311; May 8; v. 238; p. 468.
- Butts, Jim P., Carbon, Tex. Draft-equalizer. No. 1,250,964; Dec. 25; v. 245; p. 861.
- Buttweiler, John R., Freeport, Minn. Steering device. No. 1,212,451; Jan. 16; v. 234; p. 780.
- Buxton, Gustavus T., and S. A. Abbey, Charlotte, N. C. Filtration device for fluid-distributing systems. No. 1,226,307; May 15; v. 238; p. 852.
- Buyalos, Mike. (See Gimpel, Albert, assignor.)
- Buzzard, James E. (See Thomas, William S., assignor.)
- Buzzard, Matt, Fenton, Mich. Pneumatic-tire inflater. No. 1,222,520; Apr. 10; v. 237; p. 563.
- By-Products Reclaiming Corporation. (See Haughey, William W., assignor.)
- Bye, Albert K., Pasadena, Cal. Hanger. No. 1,232,214; July 3; v. 240; p. 227.
- Byers, Cyrus D., Woodward, Iowa. Reversing device for pumps. No. 1,219,373; Mar. 13; v. 236; p. 554.
- Byers, Leslie J., Everett, Wash. Wheel and jack clamp. No. 1,245,085; Oct. 30; v. 243; p. 1266.
- Bygrave, Leonard C., assignor to The Relay Automatic Telephone Company, Limited, London, England. Electrical selector. No. 1,226,184; May 15; v. 238; p. 806.
- Bygrave, Leonard C., assignor to The Relay Automatic Telephone Company, Limited, London, England. Telephone system. No. 1,234,623; July 24; v. 240; p. 1114.
- Bygrave, Leonard C., assignor to The Relay Automatic Telephone Company, Limited, London, England. Telephone system. No. 1,240,418; Sept. 18; v. 242; p. 604.
- Byhre, Oscar J., Canton, Wis. Nut-lock. No. 1,221,413; Apr. 3; v. 237; p. 145.
- Bynoe, Frederick O., Acton, England. Change-speed gear. No. 1,234,868; July 31; v. 240; p. 1222.
- Byrd, Atvill, and C. R. Treadway, Kansas City, Mo. Animal-sling. No. 1,233,309; July 17; v. 240; p. 651.
- Byrd, Britton E., Durham, N. C. Motor attachment for boats. No. 1,228,094; May 29; v. 238; p. 1517.
- Byrd, Britton E., Durham, assignor, by mesne assignments, to Mill Devices Company, Lyon Park, near Durham, N. C. Yarn-sizing machine. No. 1,214,998; Feb. 6; v. 235; p. 183.
- Byrd, Britton E., Durham, assignor, by mesne assignments, to Mill Devices Company, Lyon Park, near Durham, N. C. Tension device for yarn-sizing machines. No. 1,214,999; Feb. 6; v. 235; p. 183.
- Byrd, Samuel C. (See Pierce and Byrd.)
- Byrne, James A., West Orange, N. J. Combined police club and whistle. No. 1,224,850; May 1; v. 238; p. 260.
- Byrne, James W., San Francisco, Cal. Training-cap for golf-players. No. 1,238,492; Aug. 28; v. 241; p. 1056.
- Byrne, Stephen A., et al. (See Cator, Henry E., assignor.)
- Byron, Charles L., Winnetka, Ill. Vehicle. No. 1,230,109; June 19; v. 239; p. 667.
- Byron, Charles L., Winnetka, Ill. Vehicle. No. 1,230,110; June 19; v. 239; p. 667.
- Byron, George, and C. Skipwith, Williams, Ariz. Railway-car step. No. 1,211,078; Jan. 2; v. 234; p. 242.
- Byron Jackson Iron Works. (See Keating, John B., assignor.)
- Byron Jackson Iron Works. (See Schorr, Robert, assignor.)
- Byron, James A., Carrizozo, N. Mex. Gear mechanism for windmills. No. 1,248,261; Nov. 27; v. 244; p. 1014.
- Byron, Orra E., Detroit, Mich., assignor to S. A. Griggs, Walkerville, Ontario, Canada. Coupling. No. 1,234,869; July 31; v. 240; p. 1223.
- Byron, William J., Eveleth, Minn. Lubricating system. No. 1,244,173; Oct. 23; v. 243; p. 952.
- C. Cowles & Co. (See Hart, Franklin H., assignor.)
- C. Cowles and Company. (See Bulley, Louis T., assignor.)
- C. Dewitt Lukens Surgical Manufacturing Company. (See Lukens, Clarence D., assignor.)
- C. Ingber & Sons. (See Ingber, Nathaniel, assignor.)
- C. Mattison Machine Works. (See Mattison, Carl L., assignor.)
- C. Mattison Machine Works. (See Mattison, Magnus W., assignor.)
- C. Schember & Sühne. (See Bauer, Hugo, assignor.)
- C. A. Londelius & Sons Co. (See Londelius, Christian A., Jr., assignor.)
- C. A. Schneible, Inc. (See Schneible, Frank, assignor.)
- C. A. P. Turner Company. (See Turner, Claude A. P., assignor.)
- C. B. Cottrell & Sons Company. (See Barber, Howard M., assignor.)
- C. B. Cottrell & Sons Company. (See Cottrell, Edgar H., assignor.)
- C. C. Blake, Incorporated. (See Blake, Charles C., assignor.)
- C. D. Potter Co., The. (See Potter, Robert P., assignor.)
- C. D. G. Manufacturing Company. (See Cochrane, Charles E., assignor.)
- C. F. Burgess Laboratories. (See Burgess, Charles F., assignor.)
- C. F. Burgess Laboratories. (See Hambuechen, Carl, assignor.)
- C. F. Massey Company. (See Burns, Howard E., assignor.)
- C. G. Sargent's Sons Corporation. (See Harrison, Harry, assignor.)
- C. G. Sargent's Sons Corporation. (See Sargent, Frederick G., assignor.)
- C. H. Wheeler Manufacturing Company. (See Kothny and Suczek, assignors.)
- C. H. Wheeler Manufacturing Company. (See Suczek, Robert, assignor.)
- C. H. & E. Manufacturing Co. (See Nydegger, Adolph, assignor.)
- C. J. Tagliabue Manufacturing Company. (See Tagliabue, Charles J., assignor.)
- C. J. White Manufacturing Company, The. (See White, Charles J., assignor.)
- C. & L. Machine Company. (See Lev, Frank W., assignor.)
- C. L. Percival Company. (See Moorehead, George F., assignor.)
- C. O. Bartlett & Snow Company, The. (See Dupuy, Arthur O., assignor.)
- C. V. Rote Brake Shoe Co. (See Rote, Charles V., assignor.)
- C. W. Albright Company, The. (See Albright, Chester W., assignor.)
- C. W. Cummings Company. (See Cummings, Charles W., assignor.)
- C. W. Hunt Company. (See Gfrorer, Albert H., assignor.)
- C. W. Skiff Company. (See Skiff, Charles W., assignor.)
- Cabanne, Charles G., assignor of twenty-four one-hundredths to T. Lonergan and twenty-four one-hundredths to J. E. Rutledge, St. Louis, Mo. Holder for firearms. No. 1,222,264; Apr. 10; v. 237; p. 473.
- Cabanne, Charles G., assignor of one-fourth to T. Lonergan, St. Louis, Mo. Gas-engine. No. 1,232,215; July 3; v. 240; p. 228.
- Cabanne, Julius R., Seattle, Wash. Tire-protector. No. 1,214,273; Jan. 30; v. 234; p. 1475.
- Cabble, Frank W., Brooklyn, N. Y. Wire-loom. No. 1,250,139; Dec. 18; v. 245; p. 564.
- Cabelinsky, Julius L., Boston, Mass. Garment. No. 1,246,871; Nov. 20; v. 244; p. 582.
- Cabell, John L., Savannah, Ga. Sample mailing-package. No. 1,213,586; Jan. 23; v. 234; p. 1211.
- Cable Company, The. (See Benson, Ralph G., assignor.)
- Cable Company, The. (See Hagey, James C., assignor.)
- Cable Company, The. (See Johanson, Thure A., assignor.)
- Cable Company, The. (See Klugh, Paul B., assignor.)
- Cable Company, The. (See Swensen, Alfred, assignor.)
- Cable, Daniel J., Pittsburgh, Pa. Cover for pitchers. No. 1,246,390; Nov. 13; v. 244; p. 404.
- Cable, Frank E. (See Smith and Cable.)
- Cabot, Godfrey L. and J. J., Boston, Mass. Apparatus for condensing gas under high pressure. No. 1,225,574; May 8; v. 238; p. 557.
- Cabot, James J. (See Cabot, Godfrey L. and J. J.)

- Cáceres, Victor, New York, N. Y. Street-cleaning machine. No. 1,245,675; Nov. 6; v. 244; p. 162.
- Cactus Rubber Gum Company. (See Crawford and Hughes, assignor.)
- Cadby, Harry S., Arlington, N. J. Dish. No. 1,220,495; Mar. 27; v. 236; p. 1014.
- Cadby, Philip H. (See Bangs, Ralph C., assignor.)
- Caddell, Albert Y., Weeping Water, Nebr. Circular building construction. No. 1,246,872; Nov. 20; v. 244; p. 582.
- Caddell, Charles J., assignor of one-half to J. P. Wiggins, Maxton, N. C. Plow. No. 1,231,237; June 26; v. 239; p. 1083.
- Caddell, Jules L., Maxton, N. C. Plow. No. 1,233,751; July 17; v. 240; p. 796.
- Cadden, Charles C., assignor to Mechanical Efficiency Company, Akron, Ohio. Mail-selecting apparatus. No. 1,237,747; Aug. 21; v. 241; p. 784.
- Cade, Jack. (See Cade, James W. and J.)
- Cade, James W. and J., Mount Carmel, S. C. Fertilizer-distributor. No. 1,224,520; May 1; v. 238; p. 145.
- Cade, John T., Arcola, N. J., assignor to Federal Signal Company. Vehicle-control system. No. 1,231,846; July 3; v. 240; p. 105.
- Cadillac Motor Car Company. (See Johnson, Chester F., assignor.)
- Cadillac Motor Car Company. (See Parker, Clark W., assignor.)
- Cadillac Motor Car Company. (See Snell, Lyle K., assignor.)
- Cadillac Motor Car Company. (See Snell and Johnson, assignors.)
- Cadillac Motor Car Company. (See White, D'Orsay M., assignor.)
- Cadman, Addi B., Beloit, Wis., assignor to Warner Manufacturing Company, South Beloit, Ill. Vehicle-coupling means. No. 1,245,676; Nov. 6; v. 244; p. 162.
- Cadmus, Arthur W., assignor to The W. F. Powers Company, New York, N. Y. Display-casel. No. 1,232,766; July 10; v. 240; p. 441.
- Cadwell, Clarence J. (See Miller and Cadwell.)
- Cady, Carson J., Rochester, N. Y., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,225,220; May 8; v. 238; p. 436.
- Cael, Joseph D. (See Kimmy and Cael.)
- Caen, George, Sr., San Antonio, Tex. Gasoline and oil renovator. No. 1,248,452; Dec. 4; v. 245; p. 7.
- Caffey, Charles B., Elgin, Tex. Pneumatic conveyer. No. 1,245,868; Nov. 6; v. 244; p. 220.
- Caffrey, James H., assignor to Asbestos Protected Metal Company, Beaver Falls, Pa. Apparatus for forming protected metal sheets. No. 1,212,324; Jan. 16; v. 234; p. 736.
- Caffrey, James H., Beaver Falls, assignor to Asbestos Protected Metal Company, Pittsburgh, Pa. Apparatus for coating metal sheets. No. 1,243,808; Oct. 23; v. 243; p. 843.
- Caggiano, Michael, New York, N. Y. Safety-depository for milk-bottles. No. 1,240,308; Sept. 18; v. 242; p. 569.
- Cahall, William H., Racine, Wis., assignor, by mesne assignments, to Advance-Rumely Company, Laporte, Ind. Cylinder-machine. No. 1,238,102; Aug. 28; v. 241; p. 928.
- Cahill, Arthur T., *et al.*, trustees. (See Cahill, Thaddeus, assignor.)
- Cahill, Charles T., Boston, Mass. Apparatus for receiving projected images. No. 1,218,979; Mar. 13; v. 236; p. 419.
- Cahill, Edward, New York, N. Y. Thermal-controlled shutter. No. 1,221,414; Apr. 3; v. 237; p. 145.
- Cahill, Edward, New York, N. Y. Thermal-controlled shutter. No. 1,221,415; Apr. 3; v. 237; p. 146.
- Cahill, George F., *et al.*, trustees. (See Cahill, Thaddeus, assignor.)
- Cahill, George F., New York, N. Y. Illuminating system for base-ball and other games. No. 1,235,527; July 31; v. 240; p. 1425.
- Cahill, Thaddeus, Holyoke, Mass. assignor, by mesne assignments, to E. Spear, E. H. Jackson, G. F., A. T., and T. Cahill, trustees. Art of and apparatus for generating and distributing music electrically. No. 1,213,803; Jan. 23; v. 234; p. 1283.
- Cahill, Thaddeus, New York, N. Y., assignor, by mesne assignments, to E. Spear, E. H. Jackson, G. F., A. T., and T. Cahill, trustees. Art of and apparatus for generating and distributing music electrically. No. 1,213,804; Jan. 23; v. 234; p. 1283.
- Cahill, Thomas J., San Francisco, Cal. Non-slipping cover for pulleys. No. 1,217,270; Feb. 27; v. 235; p. 1107.
- Cahill, Thomas J., San Francisco, Cal. Means for locating and securing sunken vessels to hoisting apparatus. No. 1,236,539; Aug. 14; v. 241; p. 356.
- Cahill, Thomas J., Corpus Christi, assignor of one-half to R. Driscoll, Driscoll, Tex. Valve. No. 1,246,541; Nov. 13; v. 244; p. 449.
- Cahusac, Clarence N., Jersey City, N. J., assignor, by mesne assignments, to Duplex Lock Company Inc., New York, N. Y. Lock for automobiles. No. 1,231,125; June 26; v. 239; p. 1047.
- Caille, Charles, Laperreux, France. Hot-water-feed pump for locomotive and other boilers. No. 1,223,667; Apr. 24; v. 237; p. 1035.
- Cailleteau, Fernand, Atlanta, Ga. Attachment for electric-light snap-switches. No. 1,228,293; May 29; v. 238; p. 1579.
- Cain, Francis W., *et al.* (See Euler, William G. B., assignor.)
- Cain, John D., assignor of one-half to G. A. Falls, Caney, Kans. Glass-tank floater. No. 1,240,937; Sept. 25; v. 242; p. 798.
- Cain, Raymond W. (See Mefferd, Earl, assignor.)
- Cain, William B., Chicago, Ill. Loose-leaf-binder device. No. 1,211,672; Jan. 9; v. 234; p. 477.
- Cain, William H., Los Angeles, Cal. Gas-heater. No. 1,225,575; May 8; v. 238; p. 557.
- Cain, Wright W., Kosciusko, Miss. Adjustable cultivator. No. 1,233,550; July 17; v. 240; p. 733.
- Caire, Eugene F., St. Patricks, La. Railway-rail joint. No. 1,224,851; May 1; v. 238; p. 260.
- Cairns, Reuben F., Huntington, N. Y. Marker. No. 1,238,000; Aug. 21; v. 241; p. 863.
- Cairns, Robert, and D. Kusel, assignors of one-half to said Cairns and one-half to D. & F. Kusel Company, Watertown, Wis. Turbine. No. 1,246,391; Nov. 13; v. 244; p. 404.
- Caister, Israel H., Los Angeles, Cal. Blue-flame gas-burner. No. 1,238,632; Aug. 28; v. 241; p. 1101.
- Cake, Horace M., Philadelphia, Pa. Propulsion mechanism. No. 1,224,120; Apr. 24; v. 237; p. 1191.
- Cake, Horace M., Washington, D. C. Means for propulsion. No. 1,229,583; June 12; v. 239; p. 457.
- Calahan, Delona L., Fairfax, Wash. Mail-transferring device. No. 1,247,636; Nov. 27; v. 244; p. 833.
- Calahan, Delona L., Fairfax, assignor to Manley, Moore Lumber Company, Tacoma, Wash. Automatic boring-machine. No. 1,219,078; Mar. 13; v. 236; p. 452.
- Calamiello, Giuseppe, Paterson, N. J. Shoe construction. No. 1,217,703; Feb. 27; v. 235; p. 1261.
- Calcote, William S., Wellington, Tex. Door-operating mechanism for mail-boxes. No. 1,216,067; Feb. 13; v. 235; p. 595.
- Caldemeyer, Daniel H., Evansville, Ind. Display-rack. No. 1,222,844; Apr. 17; v. 237; p. 717.
- Calder, Leo R., Charleston, S. C. Game apparatus. No. 1,249,716; Dec. 11; v. 245; p. 403.
- Calderswood, Benjamin C., Valley Falls, R. I., assignor to Price-Campbell Cotton Picker Corporation, New York, N. Y. Separator-screen. No. 1,222,732; Apr. 17; v. 237; p. 680.
- Calderswood, Benjamin C., Valley Falls, R. I., assignor to Price-Campbell Cotton Picker Corporation, New York, N. Y. Baffle-plate. No. 1,222,733; Apr. 17; v. 237; p. 680.
- Caldicott, Edwin T., Fulham, England. Child's toy. No. 1,223,765; Apr. 24; v. 237; p. 1070.
- Caldwell, Alonzo C., Ashland, Ore. Apparatus for admitting air to liquid-flows in conduits. No. 1,238,103; Aug. 28; v. 241; p. 929.
- Caldwell, Charles, and W. P. Koppe, Chicago, assignors to Deere and Company, Moline, Ill. Cotton-harvester. No. 1,239,767; Sept. 11; v. 242; p. 362.
- Caldwell, Clarence H., Oak Park, Ill. Folding copy-holder for type-writers. No. 1,236,050; Aug. 7; v. 241; p. 170.
- Caldwell, Eugene W., New York, N. Y. X-ray apparatus. No. 1,217,148; Feb. 27; v. 235; p. 1066.
- Caldwell, Eugene W., New York, N. Y. X-ray apparatus. No. 1,217,149; Feb. 27; v. 235; p. 1067.
- Caldwell, Eugene W., New York, N. Y. X-ray-tube apparatus. No. 1,227,884; May 29; v. 238; p. 1445.
- Caldwell, Frank. (See Vareig, Harry, assignor.)
- Caldwell, Frank, Cincinnati, Ohio. Rail-tie plate and rail-fastener. No. 1,220,948; Mar. 27; v. 236; p. 1167.
- Caldwell, Frank, Cincinnati, Ohio. Spray-discharge equalizer. No. 1,224,852; May 1; v. 238; p. 261.
- Caldwell, Frank, Cincinnati, Ohio. Apparatus for feeding powdered or pulverized fuel. No. 1,231,488; June 26; v. 239; p. 1166.
- Caldwell, Frank, Cincinnati, Ohio. Fuel-feeding system. No. 1,238,633; Aug. 28; v. 241; p. 1102.
- Caldwell, John A., Vancouver, British Columbia, Canada. Means for describing circular and elliptic arcs. No. 1,230,994; June 26; v. 239; p. 1001.
- Caldwell, John A., Vancouver, British Columbia, Canada. Ellipsograph. No. 1,235,108; July 31; v. 240; p. 1297.
- Caldwell, Loyd J., Wilson, Idaho. Water-balanced elevator. No. 1,216,546; Feb. 20; v. 235; p. 817.
- Caldwell, Morrison H., *et al.* (See Gardner, Lee, assignor.)
- Caldwell, Roy A., Los Angeles, Cal. Angle-cock valve. No. 1,216,068; Feb. 13; v. 235; p. 596.
- Caldwell, Samuel, Oakland, Cal. Subaqueous gold-saving apparatus. No. 1,230,274; June 19; v. 239; p. 723.
- Caldwell, Smith C., Roberts, Mont. Concrete culvert or bridge. No. 1,212,452; Jan. 16; v. 234; p. 780.
- Caldwell, Vandle D., Natchitoches, La. Mail catching and delivering device. No. 1,244,582; Oct. 30; v. 243; p. 1115.
- Caldwell, Warren A., Oskaloosa, Iowa. Silo. No. 1,242,420; Oct. 9; v. 243; p. 343.
- Caldwell, William J. (See Tanguary and Caldwell.)
- Caley, Garfield H., assignor of one-third to H. J. Hembrook, Waterford, Wis. Turn-table structure for corn-stacking machines. No. 1,215,108; Feb. 6; v. 235; p. 218.
- Caley, James E., Mackinaw, Ill. Tying device. No. 1,243,254; Oct. 16; v. 243; p. 639.

Alphabetical list of patentees—Continued.

- Calhoun, Andrew J., Rosalia, Wash. Dit. No. 1,218,053; Mar. 6; v. 236; p. 58.
- Calhoun, Henry C., Detroit, Mich. Expander for wheels. No. 1,226,638; May 22; v. 238; p. 995.
- Calhoun, Henry C., Detroit, Mich. Wheel structure. No. 1,227,381; May 22; v. 238; p. 1245.
- Calhoun, Roy, Tylertown, Miss. Revolving shelf. No. 1,243,651; Oct. 16; v. 243; p. 758.
- California Corrugated Culvert Company. (See Thorsby, Karl J., assignor.)
- California Cotton Mills Company. (See Millar, John R., assignor.)
- California Macvan Company. (See Vandercock, Albert E., assignor.)
- California Peach Growers. (See Beekhuis, Hermanus A., assignor.)
- California Pipe Line Machine Co. (See Mahoney and Norris, assignors.)
- California Range Finder Company. (See Hanks, John G., assignor.)
- Calkin, Benjamin H. and F. L., Detroit, Mich.; said Benjamin H. Calkin assignor to said F. L. Calkin. Percolator. No. 1,242,651; Oct. 9; v. 243; p. 417.
- Calkin, Frances L. (See Calkin, Benjamin H. and F. L.)
- Calkins, Almon B., Nutley, assignor, by mesne assignments, of two-thirds to B. Mills, Passaic, N. J. Cop-winding machine. No. 1,236,906; Aug. 14; v. 241; p. 476.
- Calkins, Charles H., Ludlow, Mass., assignor to Baush Machine Tool Company. Driving mechanism for motor-vehicles. No. 1,211,673; Jan. 9; v. 234; p. 477.
- Calkins, Charles H., Ludlow, Mass., assignor to Baush Machine Tool Company. Composite gear. No. 1,212,608; Jan. 16; v. 234; p. 836.
- Calkins, Charles H., Ludlow, Mass., assignor to Baush Machine Tool Company. Railway-car driving mechanism. No. 1,240,419; Sept. 18; v. 242; p. 604.
- Calkins, Edward P., St. Paul, Minn. Sliding-door fastener. No. 1,216,414; Feb. 20; v. 235; p. 771.
- Calkins, William E., Woodward, Okla. Resilient tire. No. 1,246,713; Nov. 13; v. 244; p. 499.
- Callaghan, James, Montreal, Quebec, Canada. Cigarette-tipping machine. No. 1,234,284; July 24; v. 240; p. 1004.
- Callaghan, James, Montreal, Quebec, Canada. Cigarette-tipping machine. No. 1,234,285; July 24; v. 240; p. 1005.
- Callaghan, Peter P., Lincoln, Cal. Chair. No. 1,212,453; Jan. 16; v. 234; p. 780.
- Callahan, Francis H., New Haven, Conn. Magnifying attachment for scissors. No. 1,216,209; Feb. 13; v. 235; p. 646.
- Callahan, James M., Washington, D. C. Arch-support. No. 1,221,833; Apr. 10; v. 237; p. 321.
- Callahan, James M., Washington, D. C. Adjustable arch-support for shoes. No. 1,238,493; Aug. 28; v. 241; p. 1057.
- Callahan, Jeremiah M., New York, N. Y. Releasably-locked garment rail or hanger. No. 1,218,980; Mar. 13; v. 236; p. 419.
- Callahan, Robert L., Louisville, Ky. Means for fastening sacks. No. 1,242,139; Oct. 9; v. 243; p. 254.
- Callahan, Thomas J., Dayton, Ohio. Duo-glazed sash. No. 1,211,079; Jan. 2; v. 234; p. 242.
- Callahan, Thomas J., Dayton, Ohio. Sectional greenhouse. No. 1,221,672; Apr. 3; v. 237; p. 232.
- Callahan, William P. (See Mackintosh and Callahan.)
- Callan, George P. (See Bloomfield, Benjamin K., assignor.)
- Callan, William H., and G. J. MacFadden, Franklin, Pa., assignors to Chicago Pneumatic Tool Company, Chicago, Ill. Unloader for air-compressors. No. 1,224,272; May 1; v. 238; p. 56.
- Callaway, George E., Bienville, La. Automatic line-spacing device for type-writers. No. 1,233,976; July 17; v. 240; p. 870.
- Callaway, Oscar, and G. R. Helsley, Wellsburg, W. Va. Film-camera. No. 1,229,882; June 12; v. 239; p. 557.
- Callaway, Robert M., Monett, Mo. Tire-tread. No. 1,244,026; Oct. 23; v. 243; p. 910.
- Callen, Edward D., Greenville, Miss. Excavator. No. 1,248,262; Nov. 27; v. 244; p. 1014.
- Callender, Edwin F., assignor of one-half to L. B. Callender, Galesburg, Ill. Primary battery. No. 1,215,774; Feb. 13; v. 235; p. 489.
- Callender, L. Belle. (See Callender, Edwin F., assignor.)
- Callender, Ward G., Mansfield, Ohio. Shoe-cleaner. No. 1,245,869; Nov. 6; v. 244; p. 220.
- Callender, Ward G., Mansfield, Ohio. Shoe-cleaner. No. 1,246,873; Nov. 20; v. 244; p. 582.
- Callihan, William J., Kirkland, Ga. Combination force and pitcher pump. No. 1,238,258; Aug. 28; v. 241; p. 981.
- Calloway, Irvén E. (See Henry and Calloway.)
- Calloway, William I., Atlanta, Ga. Grinding-machine. No. 1,230,111; June 19; v. 239; p. 668.
- Calm, Maxmillian. (See Leu, Frederick, assignor.)
- Calthrop, Everard R., London, England. Parachute. No. 1,213,382; Jan. 23; v. 234; p. 1122.
- Calthrop, Everard R., London, England. Parachute. No. 1,246,874; Nov. 20; v. 244; p. 583.
- Calvert, Edith W., Peoria, Ill. Doll. No. 1,249,322; Dec. 11; v. 245; p. 290.
- Calvert, George, London, England. Manufacture of formaldehyde. No. 1,213,740; Jan. 23; v. 234; p. 1261.
- Calvert, William D., and H. L. Pryor, Big Clifty, Ky. Rail-joint connector. No. 1,251,337; Dec. 25; v. 245; p. 971.
- Calvey, James P., Youngstown, Ohio, assignor of one-half to C. Polaner. Combination arch-support and heel-cushion. No. 1,244,027; Oct. 23; v. 243; p. 910.
- Calvin, Harvey D., and W. M. Colusa, Cal. Automobile-lock. No. 1,211,674; Jan. 9; v. 234; p. 477.
- Calvin, William M. (See Calvin, Harvey D. and W. M.)
- Cambells and Hunter Limited. (See Korte, Christian, assignor.)
- Camber, Richard, Hesperia, Mich. Potato-harvester. No. 1,215,480; Feb. 13; v. 235; p. 381.
- Cambria Steel Company. (See Hildebrand, Henry Y., assignor.)
- Cambridge Novelty Company. (See Lightbody, Frank J., assignor.)
- Camel Company. (See Comee, Joseph F., assignor.)
- Camel Company. (See Posson, Edward, assignor.)
- Camel Company. (See Waitt, Arthur M. and W. H., assignors.)
- Cameoscope Corporation. (See Roys, Herman E., assignor.)
- Cameragraph Company, The. (See Fish, Ezra B., assignor.)
- Cameron, Angus, Detroit, Mich. Bowling-pin-setting mechanism. No. 1,211,405; Jan. 9; v. 234; p. 386.
- Cameron, Angus D., Summerstown Front, Ontario, Canada, assignor to L. A. Chittenden, Massena, N. Y. Leaf-spring. No. 1,220,396; Mar. 27; v. 236; p. 980.
- Cameron, Charles E., Collingswood, assignor of one-half to W. L. Hurley, Camden, N. J. Wheel. No. 1,227,995; May 29; v. 238; p. 1483.
- Cameron, Colin D., Amesbury, Mass. Involute case. No. 1,214,751; Feb. 6; v. 235; p. 94.
- Cameron, Francis G., assignor of one-third to J. Richards and one-third to H. L. Hayes, Hamilton, Ontario, Canada. Starch-printing device. No. 1,249,595; Dec. 11; v. 245; p. 367.
- Cameron, Frank K., Washington, D. C. Treating alunite. No. 1,233,977; July 17; v. 240; p. 870.
- Cameron, Frank K., and J. A. Cullen, Washington, D. C. Treating alunite. No. 1,239,768; Sept. 11; v. 242; p. 362.
- Cameron, Fred C., Chicago, Ill., and J. McMullen, Buffalo, N. Y., assignors to Union Metal Products Company, Chicago, Ill. Door-post for cars. No. 1,244,583; Oct. 30; v. 243; p. 1115.
- Cameron, Frederick F., Ridgeclough, Alberta, Canada. Washer. No. 1,221,023; Apr. 3; v. 237; p. 7.
- Cameron, James A., and G. B. Birch, assignors to Cameron Machine Company, Brooklyn, N. Y. Surgical bandage. No. 1,217,562; Feb. 27; v. 235; p. 1212.
- Cameron, John. (See Darrow, James B., assignor.)
- Cameron, Joseph P., Atlantic, Iowa. Disk-harrow shield. No. 1,230,464; June 19; v. 239; p. 785.
- Cameron, Lewis, Elora, Ontario, Canada. Babbitt-retaining composition. No. 1,215,109; Feb. 6; v. 235; p. 219.
- Cameron Machine Company. (See Cameron and Birch, assignors.)
- Cameron, William, Chicago, Ill. Can-soldering machine. No. 1,223,557; Apr. 24; v. 237; p. 996.
- Cameron, William, Chicago, Ill. Blank-feeding mechanism. No. 1,242,520; Oct. 9; v. 243; p. 373.
- Cameron, William J., Chicago, Ill. Illuminating attachment for retractors. No. 1,231,702; July 3; v. 240; p. 56.
- Cameron, William J., Chicago, Ill. Attachment for retractors. No. 1,238,001; Aug. 21; v. 241; p. 863.
- Cameron, William W. (See Davis and Cameron.)
- Cameron, William W., assignor to La Crosse Plow Co., La Crosse, Wis. Double disk harrow. No. 1,223,145; Apr. 17; v. 237; p. 821.
- Cameron, William W., assignor to La Crosse Plow Co., La Crosse, Wis. Plow. No. 1,227,745; May 29; v. 238; p. 1397.
- Cameron, William W., assignor to La Crosse Plow Company, La Crosse, Wis. Plow-colter. No. 1,244,028; Oct. 23; v. 243; p. 910.
- Camfield, George L., and J. D. Whalen, Colorado Springs, Colo. Closet-bowl. No. 1,232,767; July 10; v. 240; p. 442.
- Camillieri, Giuseppe, Chelsea, Mass. Envelop-opener. No. 1,214,894; Feb. 6; v. 235; p. 143.
- Cammack, Horace D., assignor of one-half to F. S. Cannon, Crossett, Ark. Minnow-holder. No. 1,216,069; Feb. 13; v. 235; p. 596.
- Cammarata, Frank, Amite, La. Dirigible headlight. No. 1,240,668; Sept. 18; v. 242; p. 681.
- Camp, Arthur C., New York, N. Y. Combination suspender-button and belt hook. No. 1,223,932; Apr. 24; v. 237; p. 1127.
- Camp, Charles H., and F. H. Clay, Kalamazoo, Mich. Sounding toy. No. 1,233,445; July 17; v. 240; p. 697.
- Camp, Ernest, East San Diego, Cal. Means for coincidentally playing pianos and organs. No. 1,232,217; July 3; v. 240; p. 228.
- Camp, Fred, Duncombe, Iowa. Post-hole auger. No. 1,220,949; Mar. 27; v. 236; p. 1168.

- Camp, Lee G., Santa Clara, Cuba. Centrifugal clarifier. No. 1,230,560; June 19; v. 239; p. 817.
- Camp, Thomas J., *et al.* (See Snyder, Charles P., assignor.)
- Camp, William W., Stratford, Ontario, Canada. Bagholder. No. 1,216,941; Feb. 20; v. 235; p. 950.
- Campanaro, Antonio, Trenton, N. J. Means for protecting vessels from projectiles. No. 1,249,323; Dec. 11; v. 245; p. 290.
- Campbell, Addington B., Newport, N. J. Pulley-block. No. 1,220,182; Mar. 27; v. 236; p. 903.
- Campbell, Alexander H., White Plains, N. Y. Crowbar. No. 1,216,655; Feb. 20; v. 235; p. 854.
- Campbell, Alfred L., Elmhurst, N. Y. Frame for motor-cars. No. 1,243,255; Oct. 16; v. 243; p. 639.
- Campbell, Alfred L., Elmhurst, N. Y., assignor to Brewster & Co. Brake mechanism for motor-cars. No. 1,222,929; Apr. 17; v. 237; p. 746.
- Campbell, Alphonso S., Medford, Mass. Hot-water bottle. No. 1,239,350; Sept. 4; v. 242; p. 202.
- Campbell, Angus L., North Sydney, Nova Scotia, Canada. Combination envelop and music-sheet. No. 1,243,037; Oct. 16; v. 243; p. 575.
- Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Hopper-car. No. 1,214,508; Feb. 6; v. 235; p. 8.
- Campbell, Ben J., assignor to Keuffel & Esser Company, Hoboken, N. J. Telemeter. No. 1,246,230; Nov. 13; v. 244; p. 355.
- Campbell, Bert L., Detroit, Mich. Compression-brake. No. 1,247,930; Nov. 27; v. 244; p. 921.
- Campbell Bosworth Machinery Company. (See Wilson, William, assignor.)
- Campbell, Charles E., Lynn, Mass. Spark-gap. No. 1,231,489; June 26; v. 239; p. 1166.
- Campbell, Charles E., Lynn, Mass. X-ray system. No. 1,236,051; Aug. 7; v. 241; p. 171.
- Campbell, Charles H., assignor, by mesne assignments, to Borden's Condensed Milk Company, New York, N. Y. Treating milk. No. 1,221,024; Apr. 3; v. 237; p. 7.
- Campbell, Charles H., assignor to Borden's Condensed Milk Company, New York, N. Y. Dried milk and producing the same. No. 1,233,446; July 17; v. 240; p. 698.
- Campbell, Charles H., assignor, by mesne assignments, to Borden's Condensed Milk Company, New York, N. Y. Drying milk. No. 1,250,427; Dec. 18; v. 245; p. 651.
- Campbell, Clinton M., New York, N. Y. Soaping device. No. 1,250,089; Dec. 11; v. 245; p. 511.
- Campbell, Colin, Rutherford, N. J. Steam-boiler. No. 1,211,912; Jan. 9; v. 234; p. 563.
- Campbell, Colin, Yonkers, N. Y. Tire-armor. No. 1,213,072; Jan. 16; v. 234; p. 997.
- Campbell, David W., assignor of one-half to J. A. Snoddy, Brownwood, Tex. Car-door fastener. No. 1,211,284; Jan. 2; v. 234; p. 313.
- Campbell, Earl T., Elwood, Ind. Sheet-feeding machine. No. 1,216,773; Feb. 20; v. 235; p. 895.
- Campbell, Edmund D., St. Louis, Mo. Power-transmission system. No. 1,217,150; Feb. 27; v. 235; p. 1067.
- Campbell, Edward, Windsor, Ontario, Canada, and G. A. Fair, Detroit, Mich. Lacing device. No. 1,220,602; Mar. 27; v. 236; p. 1052.
- Campbell, Edward A., St. Louis, Mo. Combined mud-guard and advertising device. No. 1,219,244; Mar. 13; v. 236; p. 508.
- Campbell, Edward A., St. Louis, Mo. Advertising apparatus for vehicle-tops. No. 1,224,446; May 1; v. 238; p. 120.
- Campbell, Edward A., St. Louis, Mo. Display-sign for automobiles. No. 1,227,746; May 29; v. 238; p. 1398.
- Campbell, Ernst P., assignor of one-half to J. E. Goodman, Stockton, Cal. Device for loosening outer races of ball-bearings. No. 1,241,819; Oct. 2; v. 243; p. 112.
- Campbell, George A., Montclair, N. J., assignor to American Telephone and Telegraph Company. Electric wave-filter. No. 1,227,113; May 22; v. 238; p. 1158.
- Campbell, George A., Montclair, N. J., assignor to American Telephone and Telegraph Company. Electrical receiving, translating, or repeating circuit. No. 1,227,114; May 22; v. 238; p. 1158.
- Campbell, George C., Elkhart, Ind. Steering-gear for vehicles. No. 1,223,766; Apr. 24; v. 237; p. 1070.
- Campbell, George W., St. John, New Brunswick, Canada. Manufacturing an ax. No. 1,224,853; May 1; v. 238; p. 261.
- Campbell, George W., Columbus, Ohio. Mortising-machine. No. 1,245,677; Nov. 6; v. 244; p. 162.
- Campbell, Guy, Creedmoor, Tex. Case for rural-mail carriers. No. 1,223,474; Apr. 24; v. 237; p. 966.
- Campbell, Hall C., Milfilingburg, Pa. Folding crate. No. 1,216,210; Feb. 13; v. 235; p. 646.
- Campbell, Harry E., New York, N. Y. Metal window frame and sash. No. 1,211,913; Jan. 9; v. 234; p. 563.
- Campbell, Harry E., New York, N. Y. Metal window frame and sash. No. 1,211,914; Jan. 9; v. 234; p. 564.
- Campbell, Harry E., New York, N. Y. Metal window frame and sash. No. 1,211,915; Jan. 9; v. 234; p. 564.
- Campbell, Harry E., New York, N. Y. Metal window-frame. No. 1,222,357; Apr. 10; v. 237; p. 506.
- Campbell, Harry E., New York, N. Y. Metal window frame and sash. No. 1,222,358; Apr. 10; v. 237; p. 507.
- Campbell, Harry E., New York, N. Y. Munnion for fire-proof window-sashes. No. 1,229,710; June 12; v. 239; p. 499.
- Campbell, Harry E., New York, N. Y. Apparatus for closing window-sashes. No. 1,233,642; July 17; v. 240; p. 764.
- Campbell, Harry E., New York, N. Y. Metal window-frame. No. 1,237,295; Aug. 21; v. 241; p. 637.
- Campbell, Harry E., New York, N. Y. Window construction. No. 1,237,296; Aug. 21; v. 241; p. 638.
- Campbell, Harry E., New York, N. Y. Metal window frame and sash. No. 1,241,090; Sept. 25; v. 242; p. 845.
- Campbell, Harry E., New York, N. Y. Metal window frame and sash. No. 1,247,637; Nov. 27; v. 244; p. 833.
- Campbell, James, assignor to St. Louis Felling Machine Company, St. Louis, Mo. Making cylinder-rings. No. 1,215,775; Feb. 13; v. 235; p. 489.
- Campbell, James B., *et al.* (See Newkirk, William P., assignor.)
- Campbell, James L., Barryton, Mich. Circuit-completing plug for lamp-sockets. No. 1,230,826; June 19; v. 239; p. 904.
- Campbell, James S., Huntsville, Ala. Currycomb. No. 1,237,468; Aug. 21; v. 241; p. 693.
- Campbell, John B., Louisville, Ky. Partition-wall. No. 1,225,576; May 8; v. 238; p. 557.
- Campbell, John K., Los Angeles, Cal. Folding-table cabinet. No. 1,210,415; Jan. 2; v. 234; p. 12.
- Campbell, John R., Austin, Tex. Aeroplane. No. 1,229,410; June 12; v. 239; p. 399.
- Campbell, John S., Euclid, Pa. Railway-tie. No. 1,235,287; July 31; v. 240; p. 1351.
- Campbell, John T., assignor of one-half to C. G. Keesee, Norfolk, Va. Indicator. No. 1,220,318; Mar. 27; v. 236; p. 952.
- Campbell, John W., Adams, Nebr. Heating system for drinking-fountains. No. 1,251,338; Dec. 25; v. 245; p. 971.
- Campbell, Lawrence S. (See Campbell, Robert M. and L. S.)
- Campbell, Lawrence S., Los Angeles, and J. Grant, Florence, Cal.; said Campbell assignor to said Grant. Combination bit and rotary underreamer. (Reissue.) No. 14,301; May 15; v. 238; p. 950.
- Campbell, Leon J., Chicago, Ill. Clutch. No. 1,245,315; Nov. 6; v. 244; p. 52.
- Campbell, Leon J., Chicago, Ill., assignor, by mesne assignments, to Universal Winding Company, Boston, Mass. Traverse mechanism for yarn-winding machines. No. 1,213,836; Jan. 30; v. 234; p. 1324.
- Campbell, Leon W., Boston, Mass. Cotton-comber. No. 1,221,025; Apr. 3; v. 237; p. 8.
- Campbell, Milton D., assignor to The Perkins Campbell Company, Cincinnati, Ohio. Power-transmission belt. No. 1,228,528; June 5; v. 239; p. 53.
- Campbell, Neil L., Salem, N. J. Flat-block linoleum-printing machine. No. 1,228,529; June 5; v. 239; p. 53.
- Campbell, Oliver S. (See Edwards, Bruce V., assignor.)
- Campbell, Osmon B., Jr., St. Joseph, Mo. Apparatus for pumping fluid. No. 1,222,601; Apr. 17; v. 237; p. 634.
- Campbell, Robert E., Berkeley, Cal. Gas-heater. No. 1,232,457; July 3; v. 240; p. 304.
- Campbell, Robert L., assignor to The Hagerstown Shoe & Legging Company, Hagerstown, Md. Legging. No. 1,247,370; Nov. 20; v. 244; p. 725.
- Campbell, Robert M. and L. S., Los Angeles, Cal. Automatically-controlled gate. No. 1,215,906; Feb. 13; v. 235; p. 536.
- Campbell, Robert T., Kansas City, Mo. Blow-off valve. No. 1,226,465; May 15; v. 238; p. 981.
- Campbell, Sterling H., St. Louis, Mo. Releasing device for car-couplings. No. 1,226,859; May 22; v. 238; p. 1070.
- Campbell, Sterling H., St. Louis, Mo. Uncoupling device for railway-cars. No. 1,247,221; Nov. 20; v. 244; p. 684.
- Campbell, Sterling H., assignor to Railway Devices Company, St. Louis, Mo. Angle-cock holder. No. 1,212,184; Jan. 16; v. 234; p. 683.
- Campbell, Thomas M. (See Brown, Clarence J., assignor.)
- Campbell, Wendell B., assignor to The Perkins-Campbell Company, Cincinnati, Ohio. Watch-holder. No. 1,214,274; Jan. 30; v. 234; p. 1475.
- Campbell, William, Detroit, Mich. Deflector for the shaft-bearings of dish-washing machines. No. 1,235,288; July 31; v. 240; p. 1351.
- Campbell, William B., T. A. Bateman, and S. F. Wilson, Portland, Oreg. Balanced double-acting pump. No. 1,245,435; Nov. 6; v. 244; p. 87.
- Campbell, William L., Bridgeton, N. J. Bolt-locking device. No. 1,231,703; July 3; v. 240; p. 57.
- Campbell, William S., assignor to The Miller Rubber Company, Akron, Ohio. Display-stand. No. 1,231,490; June 26; v. 239; p. 1166.
- Campbell, Wilson L., La Grange, Ill., assignor, by mesne assignments, to Automatic Electric Company. Automatic telephone trunking-switch and system therefor. No. 1,221,287; Apr. 3; v. 237; p. 101.
- Campbell, Winfield M., Kansas City, Mo. Cooling and treating bread. No. 1,212,900; Jan. 16; v. 234; p. 937.

Alphabetical list of patentees—Continued.

- Campfield, Edwin M., Richmond, Ind. Making flue-linings. No. 1,231,563; July 3; v. 240; p. 7.
- Camplin, M. B., *et al.* (See Andrews, Al, assignor.)
- Canaday, Orpha P., Port Wayne, Ind. Liquid-dispensing device. No. 1,221,288; Apr. 3; v. 237; p. 102.
- Canadian Aeroplanes Limited. (See Ericson, Frithlof G., assignor.)
- Canadian Independent Telephone Company. (See Hulfish, David S., assignor.)
- Canadian Knitting Company. (See Laroche, Olivier, assignor.)
- Canceograph Company. (See Mack, Luther L., assignor.)
- Canda, Ferdinand E., New York, N. Y. Ball-rolling machine. No. 1,225,765; May 15; v. 238; p. 664.
- Canda, Stefan, Philadelphia, Pa. Record-removing device for talking-machines. No. 1,250,796; Dec. 18; v. 245; p. 761.
- Candee, Andrew H. (See Schaake and Candee.)
- Candee, Andrew H. (See Simmon and Candee.)
- Candee, Raphael R. (See Drader and Candee.)
- Candee, Zenas P., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Hopper mechanism. No. 1,232,893; July 10; v. 240; p. 483.
- Candeliez, René, Uccle, Belgium. Sharpening device. No. 1,240,540; Sept. 18; v. 242; p. 642.
- Candland, Arthur C., Provo, Utah. Rail-tie. No. 1,218,592; Mar. 6; v. 236; p. 243.
- Candler, Conway F., Orange, Cal. Pneumatic brake for automobiles. No. 1,213,457; Jan. 23; v. 234; p. 1166.
- Canfield, Albert E., assignor to G. M. Pace, Kingston, Pa. Antiskidding device for wheel-tires. No. 1,233,978; July 17; v. 240; p. 871.
- Canfield, Alfred, Tecumseh, Nebr. License-tag. No. 1,249,024; Dec. 4; v. 245; p. 173.
- Canfield, Arthur J., assignor to The Canfield Bros. Co., Chicago, Ill. Ladder. No. 1,250,279; Dec. 18; v. 245; p. 607.
- Canfield Bros. Co., The. (See Canfield, Arthur J., assignor.)
- Canfield, Carlton W., Browntown, Minn. Forge. No. 1,247,076; Nov. 20; v. 244; p. 642.
- Canfield, Franklin G., Owensboro, Ky. Connector for side chains of tire-armors. No. 1,245,678; Nov. 6; v. 244; p. 163.
- Canfield, Harry R., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Electric switch. No. 1,214,752; Feb. 6; v. 235; p. 94.
- Canfield, Jesse C., Elkins, W. Va. Self-tightening bolt and nut. No. 1,212,126; Jan. 9; v. 234; p. 634.
- Canfield, Lewis T., Chicago, Ill., assignor to Union Draft Gear Co. Draft-arm for railway-cars. No. 1,214,510; Feb. 6; v. 235; p. 9.
- Canfield, Lewis T., Chicago, Ill., assignor to Union Draft Gear Co. Reinforcing-transom for railway-cars. No. 1,239,458; Sept. 11; v. 242; p. 265.
- Canfield, Lewis T., Chicago, Ill., assignor to P. H. Murphy Company, Parnassus, Pa. Car structure. No. 1,226,860; May 22; v. 238; p. 1070.
- Canfield, Robert W., Corning, N. Y., assignor to Empire Machine Company. Process of manufacturing blown glass articles and blanks for use in such process. No. 1,235,008; July 31; v. 240; p. 1268.
- Cangen, Mark, Brooklyn, N. Y. Arch-support for shoes. No. 1,236,820; Aug. 14; v. 241; p. 450.
- Canon, M., 1,238,259; Aug. 28; v. 241; p. 981.
- Canhae, Georges E., assignor to Societe Anonyme Des Etablissements Delaunay Belleville, St-Denis, France. Arrangement for improving the working of eight-cylinder two-cycle internal-combustion engines. No. 1,217,151; Feb. 27; v. 235; p. 1068.
- Cannan, John J., assignor to Henry Likly & Company, Rochester, N. Y. Garment-supporting rack for trunks. No. 1,219,624; Mar. 20; v. 236; p. 671.
- Canning, William P., assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Method and apparatus for forming cutting-tools. No. 1,224,273; May 1; v. 238; p. 57.
- Cannock, Francis B., New York, N. Y. Variable-speed-transmission gearing. No. 1,225,925; May 15; v. 238; p. 717.
- Cannon, Edward L., assignor of one-half to T. E. Johnson, Quitman, Ga. Gate. No. 1,231,704; July 3; v. 240; p. 57.
- Cannon, Frank S. (See Cammack, Horace D., assignor.)
- Cannon, George B., Jr., Brooklyn, and E. W. Howard, New York, N. Y. Making umbrella-frames. No. 1,210,900; Jan. 2; v. 234; p. 180.
- Cannon, Jeronimo, assignor of one-half to B. Levitan, Nashville, Tenn. Automatic train-stop system. No. 1,221,968; Apr. 10; v. 237; p. 370.
- Cannon, Joseph F., *et al.* (See Gardner, Lee, assignor.)
- Cannon, W. L., *et al.* (See Speegle, William A., assignor.)
- Cano, Victor M., assignor of two-fifths to D. G. Black, St. Louis, Mo. Combined step-ladder and washbench. No. 1,220,950; Mar. 27; v. 236; p. 1168.
- Canouts, Willis O., Carson City, Mich. Embalming and operating table. No. 1,232,491; July 10; v. 240; p. 351.
- Canrike, John W., Coldwater, Mich. Flying-machine. No. 1,234,727; July 31; v. 240; p. 1180.
- Canterbury, Florence, Canterbury, W. Va. Portable stove. No. 1,214,131; Jan. 30; v. 234; p. 1425.
- Cantilever Airless Tire Co. (See Loeser, Edward G., assignor.)
- Cantin, Philias, Somersworth, N. H. Automatic train-pipe coupling. No. 1,215,481; Feb. 13; v. 235; p. 382.
- Canton, Allen A., New York, N. Y., assignor to The Device Testing Company. Speedometer. No. 1,219,245; Mar. 13; v. 236; p. 509.
- Canton, Allen A., New York, N. Y., assignor to The Device Testing Company. Speedometer. No. 1,224,707; May 1; v. 238; p. 211.
- Canton, Allen A., New York, N. Y., assignor to The Device Testing Company. Speedometer. No. 1,225,312; May 8; v. 238; p. 468.
- Canton, Allen A., New York, N. Y., assignor to The Device Testing Company. Speedometer. No. 1,226,946; May 22; v. 238; p. 1099.
- Canton, Allen A., New York, N. Y., assignor to The Device Testing Company. Speedometer. No. 1,227,747; May 29; v. 238; p. 1398.
- Canton Culvert & Silo Company, The. (See Schlafly Julius H., assignor.)
- Canton, Georges H. M., P. G. Unné, and E. J. J. Salmson, Billancourt, France. Lubricating system. No. 1,211,406; Jan. 9; v. 234; p. 387.
- Cantonio, Eugenio, Rome, Italy, assignor to E. Garda, Paris, France. Automatic device for starting explosion or other engines. No. 1,217,563; Feb. 27; v. 235; p. 1212.
- Cantrell, Edwin B. (See Miller and Cantrell.)
- Cantrell, Frank J., San Francisco, Cal. Calculating-machine. No. 1,251,180; Dec. 25; v. 245; p. 924.
- Cantrell, Lorraine V., Wichita, Kans. Fluid-pressure gate. No. 1,246,542; Nov. 13; v. 244; p. 449.
- Cantrell, William A. (See Perkins, Nicholas P., assignor.)
- Canty, Ernest L., Augusta, Me. Milk-pail. No. 1,221,673; Apr. 3; v. 237; p. 232.
- Cap-Hold. (See Clark, Charles, assignor.)
- Capdevila, Frank, New York, N. Y. Adjustable mirror. No. 1,220,069; Mar. 20; v. 236; p. 826.
- Čapek, Ernest J., Schuyler, Nebr. Disinfectant and deodorizer. No. 1,242,321; Oct. 9; v. 243; p. 311.
- Capell, Frank M., Lockport, N. Y. Automobile-radiator. No. 1,242,652; Oct. 9; v. 243; p. 417.
- Capital Electric Company. (See Myrick, George H., assignor.)
- Capitan, Arquimedes, David, Canal Zone. Train-signal. No. 1,221,674; Apr. 3; v. 237; p. 233.
- Caplan, August, Denver, Colo. Multiple-picture-displaying device. No. 1,211,540; Jan. 9; v. 234; p. 433.
- Capoccefalo, John A., and R. L. King, Jr., said Capoccefalo assignor to B. L. King, Syracuse, N. Y. Electric gear-shifter. No. 1,219,808; Mar. 20; v. 236; p. 735.
- Capooch, Carmine, Danbury, and E. Dessureau, Meriden, Conn. Fishing-float. No. 1,241,707; Oct. 2; v. 243; p. 76.
- Cappel, August. (See Kretzer and Cappel.)
- Cappel, Carl L., Dayton, Ohio. Automobile-truck body. No. 1,220,183; Mar. 27; v. 236; p. 904.
- Capps, Ellis, Forrest City, Ark. Flying apparatus. No. 1,240,669; Sept. 18; v. 242; p. 681.
- Capps, Frank L., assignor to American Graphophone Company, Bridgeport, Conn. Talking-machine. No. 1,216,656; Feb. 20; v. 235; p. 854.
- Capps, Frank L., and J. J. Scully, assignors to American Graphophone Company, Bridgeport, Conn. Shaving-machine for sound-record tablets. No. 1,227,748; May 29; v. 238; p. 1398.
- Capps, Guy B. (See Gaylord and Capps.)
- Capron, George, Beloit, Wis. Hoisting device. No. 1,237,297; Aug. 21; v. 241; p. 638.
- Capsal Company, The. (See Dillard, George L., assignor.)
- Capshaw, James D., Monterey, Tenn. Swingletree. No. 1,240,938; Sept. 25; v. 242; p. 798.
- Capwell, Courtland G., Boston, Mass. Dental obtunding-syringe. No. 1,250,965; Dec. 25; v. 245; p. 861.
- Car Lighting Improvement Co. (See Watson, Thomas S., assignor.)
- Caracristi, Virginus Z., Bronxville, N. Y. Coaling tank or hopper. No. 1,248,610; Dec. 4; v. 245; p. 55.
- Caracristi, Virginus Z., Albany, N. Y., assignor to Locomotive Pulverized Fuel Company. System for feeding pulverized fuel. No. 1,214,753; Feb. 6; v. 235; p. 95.
- Caracristi, Virginus Z., Albany, N. Y., assignor to Locomotive Pulverized Fuel Company. Burning pulverized fuel. No. 1,234,870; July 31; v. 240; p. 1223.
- Carbery, James L., Rockhill, S. C., assignor of one-half to C. L. Parker, Washington, D. C. Steam-cooker. No. 1,235,009; July 31; v. 240; p. 1269.
- Carbis, Samuel H., Freeport, Pa. Apparatus for handling metal sheets. No. 1,224,521; May 1; v. 238; p. 145.
- Carbo-Hydrogen Company of America. (See Harris, John, assignor.)
- Carbon Cleaning Compound Company. (See Mendelsohn, Edward, assignor.)
- Carbonari, Raffaele, Chicago, Ill. Accordion. No. 1,221,026; Apr. 3; v. 237; p. 8.
- Carborundum Company, The. (See Tone, Frank J., assignor.)
- Carborundum Company, The. (See Urtel, Henry, assignor.)
- Card, William H., and J. J. Cushman, Los Angeles, Cal. Starter for internal-combustion engines. No. 1,230,064; June 12; v. 239; p. 613.

- Cardell, Olof V., Eskilstuna, Sweden. Apparatus for producing ribbed pipes, tubes, or the like. No. 1,216,657; Feb. 20; v. 235; p. 855.
- Carden, David A., Houston, Tex. Detachable drill-bit. No. 1,222,845; Apr. 17; v. 237; p. 718.
- Carden, David A., Houston, Tex. Cleaning device for wells. No. 1,230,666; June 19; v. 239; p. 852.
- Cardin, Joseph P. E., Sorel, Quebec, Canada. Differential gearing for automobiles, &c. No. 1,227,382; May 22; v. 238; p. 1245.
- Cardinal, Frank R., Holyoke, Mass. Figure wheeled toy. No. 1,248,072; Nov. 27; v. 244; p. 959.
- Cardwell, Allen D., Brooklyn, N. Y. Telegraph typewriter. No. 1,218,165; Mar. 6; v. 236; p. 96.
- Cardwell, Harland W., Texarkana, Ark. Ditch-filling machine. No. 1,244,290; Oct. 23; v. 243; p. 989.
- Cardwell, James R., Chicago, Ill., assignor to Union Draft Gear Company. Friction draft-gear. No. 1,243,256; Oct. 16; v. 243; p. 639.
- Carel, William H., assignor to J. M. Duncan, Philadelphia, Pa. Fusible link. No. 1,239,878; Sept. 11; v. 242; p. 400.
- Carew, Andrew F., Coney Island, assignor to J. H. Williams & Co., Brooklyn, N. Y. Tool and tool-holder. No. 1,239,459; Sept. 11; v. 242; p. 265.
- Carey Company, The. (See Brown, Abram E., assignor.)
- Carey, Daniel G., Elmira, N. Y. Vaginal support. No. 1,230,112; June 19; v. 239; p. 668.
- Carey, Edwin D. (See Carey, Le Grand G., assignor.)
- Carey, John E., El Reno, Okla. Pleasure-swing. No. 1,215,110; Feb. 6; v. 235; p. 219.
- Carey, Le Grand G., Cleveland, assignor to E. D. Carey, Bedford, Ohio. Truck. No. 1,228,179; May 29; v. 238; p. 1542.
- Carey, William T., Cranston, R. I. Tire. No. 1,236,821; Aug. 14; v. 241; p. 450.
- Cargill, Oscar, Minneapolis, Minn. Lifting device for motor-vehicles. No. 1,220,397; Mar. 27; v. 236; p. 980.
- Carhart, George C. and S. L. Young, assignors to Syracuse Universal Mfg. Co., Syracuse, N. Y. Switch. No. 1,240,309; Sept. 18; v. 242; p. 570.
- Carhart, Linden P., Brooklyn, N. Y. Lawn-mower. No. 1,230,086; June 12; v. 239; p. 621.
- Carhart, Linden P., Brooklyn, N. Y. Shutter for photographing devices. No. 1,232,768; July 10; v. 240; p. 442.
- Carl, Chester C., Fairfield, Iowa. Floor-clamp. No. 1,222,521; Apr. 10; v. 237; p. 564.
- Carl, Forrest D. (See Naysmith, Gillaspay, and Carl.)
- Carl, Thomas W. (See Stillings and Carl.)
- Carlberg, Carl G., Omaha, Neb. Grading-machine. No. 1,228,530; June 5; v. 239; p. 54.
- Carle, Harold, assignor to Carle Motor Parts Co., Inc., Buffalo, N. Y. Carbureter. No. 1,243,038; Oct. 16; v. 243; p. 575.
- Carle Motor Parts Co. (See Carle, Harold, assignor.)
- Carle, Robert G., Woonsocket, R. I. Pulley. No. 1,211,541; Jan. 9; v. 234; p. 483.
- Carle, Robert G., Woonsocket, R. I. Spindle-driving mechanism. No. 1,213,741; Jan. 23; v. 234; p. 1261.
- Carleton, Charles H., assignor of one-half to R. Whaitte, San Francisco, Cal. Copy-holder. No. 1,214,132; Jan. 30; v. 234; p. 1426.
- Carleton, Gideon W. (See Duffy, Joseph J., assignor.)
- Carley, Charles B., Rochester, Minn. Cultivator. No. 1,223,558; Apr. 24; v. 237; p. 996.
- Carley, Leonard R., Waterbury, Conn. Cap-button. No. 1,219,916; Mar. 20; v. 236; p. 772.
- Carley, Leonard R., assignor of one-half to J. A. Stewart, Detroit, Mich. Button-feeding mechanism. No. 1,230,860; June 26; v. 239; p. 955.
- Carlin, Samuel, assignor of one-half to E. Morin, Spokane, Wash. Machine for making box-splints, veneers, shingles, &c. No. 1,226,185; May 15; v. 238; p. 807.
- Carlin, Samuel E., Chicago, Ill., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Attachment for calculating-machines. No. 1,228,404; June 5; v. 239; p. 10.
- Carling, Rose S., Los Angeles, Cal. Pneumatic arch-support. No. 1,223,368; Apr. 24; v. 237; p. 927.
- Carlino, Joseph. (See Carlino, Luigi and J.)
- Carlino, Luigi, Niagara Falls, and J. Carlino, Buffalo, N. Y. Winding-core bushing. No. 1,241,193; Sept. 25; v. 242; p. 877.
- Carlisle, Frederick, Monticello, N. Y. Differential mechanism. No. 1,229,883; June 12; v. 239; p. 557.
- Carlisle, George J., assignor of one-half to C. W. Barber and one-half to Utility Development & Sales Company, Chicago, Ill. Safety-razor and hair-cutter. No. 1,227,548; May 22; v. 238; p. 1300.
- Carlisle, Howard, Leesburg, assignor to C. E. Simpson, Hammon, N. J. Railway-gate. No. 1,244,420; Oct. 23; v. 243; p. 1026.
- Carll, Addison B., New York, N. Y. Barrel-filler. No. 1,233,024; July 10; v. 240; p. 524.
- Carll, William. (See Dilks, Charles F., assignor.)
- Carlough, Daniel, Jr., and E. Bogert, Paterson, N. J., assignors to said Bogert. Joint for crossing bars. No. 1,231,564; July 3; v. 240; p. 7.
- Carls, William H., Yuma, Colo. Currycomb. No. 1,213,742; Jan. 23; v. 234; p. 1262.
- Carlson, Eugene, Chicago, Ill. Cascade or fountain for internal baths. No. 1,215,111; Feb. 6; v. 235; p. 219.
- Carlson, Albert F., Chicago City, Minn. Torch. No. 1,247,790; Nov. 27; v. 244; p. 882.
- Carlson, Albert F., Chicago City, Minn. Torch. No. 1,247,791; Nov. 27; v. 244; p. 882.
- Carlson, Amanda W., Brooklyn, N. Y. Foldable wardrobe. No. 1,211,407; Jan. 9; v. 234; p. 387.
- Carlson, Androv, and F. A. Swanson, Chicago, Ill. Torpedo-guard for ships. No. 1,218,371; Mar. 6; v. 236; p. 168.
- Carlson, Arthur W., assignor to Grip Nut Company, Chicago, Ill. Nut-tapping machine. No. 1,230,113; June 19; v. 239; p. 669.
- Carlson, Axel S., Los Angeles, Cal. Water-heater. No. 1,216,942; Feb. 20; v. 235; p. 950.
- Carlson, Axel S., Denver, Colo. Metal-tempering compound. No. 1,246,802; Nov. 13; v. 244; p. 527.
- Carlson, Carl A., assignor to The Fafnir Bearing Company, New Britain, Conn. Ball-bearing. No. 1,222,846; Apr. 17; v. 237; p. 718.
- Carlson, Carl A., and H. E. Hill, assignors to Morris & Company, Chicago, Ill. Machine for interlacing curled hair. No. 1,211,821; Jan. 9; v. 234; p. 529.
- Carlson, Carl L., and G. Bergström, assignors to Svenska Diamantbergborrningsaktiebolaget, Stockholm, Sweden. Apparatus for ascertaining the direction of bore-holes. No. 1,239,351; Sept. 4; v. 242; p. 202.
- Carlson, Carl O., Cazenovia, Wis. Barn-cleaner. No. 1,243,257; Oct. 16; v. 243; p. 640.
- Carlson, Carl W., Galva, Ill. Display-rack. No. 1,217,409; Feb. 27; v. 235; p. 1155.
- Carlson, Charles J. (See Larson and Carlson.)
- Carlson, David A., R. F. Underwood, and C. D. Jaderstrom, assignors to Art Metal Construction Company, Jamestown, N. Y. Follower for filing-cabinets. No. 1,227,749; May 29; v. 238; p. 1399.
- Carlson, Earl R., Minneapolis, Minn. Internal-combustion engine. No. 1,239,081; Sept. 4; v. 242; p. 115.
- Carlson, Edward. (See Worden and Carlson.)
- Carlson, Edward, and F. B. Worden, Jamestown, N. Y., assignors, by mesne assignments, to said F. B. Worden. Sheet-metal frame. No. 1,233,310; July 17; v. 240; p. 651.
- Carlson, Edward. (See Strid, Sven J., assignor.)
- Carlson, Edwin. (See Borjeson, Benjamin, assignor.)
- Carlson, Ernest. (See Juslin, Emil, assignor.)
- Carlson, Frank A., et al. (See Mansbach, Conrad B., assignor.)
- Carlson, Frederick E., assignor to Landers, Frary & Clark, New Britain, Conn. Vacuum-bottle. No. 1,219,246; Mar. 13; v. 236; p. 509.
- Carlson, Frederick E., assignor to Landers, Frary & Clark, New Britain, Conn. Circuit-coupling for electrically-heated utensils. No. 1,222,585; Apr. 10; v. 237; p. 588.
- Carlson, Frederick E., assignor to Landers, Frary & Clark, New Britain, Conn. Vacuum-insulated vessel. No. 1,243,919; Oct. 23; v. 243; p. 878.
- Carlson, George K. (See Tallent and Carlson.)
- Carlson, Gustaf A., assignor to The Boye Needle Company, Chicago, Ill. Pen or pencil clip. No. 1,244,291; Oct. 23; v. 243; p. 990.
- Carlson, Gustaf E., Topeka, Kans. Table-leg-clamping device. No. 1,246,714; Nov. 13; v. 244; p. 499.
- Carlson, Herman B. (See Rasmussen and Carlson.)
- Carlson, Herman B., Chicago, Ill. Continuous writing-tablet. No. 1,240,820; Sept. 25; v. 242; p. 761.
- Carlson, Hjalmar G., Worcester, Mass., assignor to Rockwood Sprinkler Company of Massachusetts, Worcester, Mass. Fusible link. No. 1,248,611; Dec. 4; v. 245; p. 55.
- Carlson, Isaac O., Chicago, Ill. Ice-chest shelf. No. 1,218,166; Mar. 6; v. 236; p. 96.
- Carlson, John, Fort William, Ontario, Canada. Clothes-line reel. No. 1,225,766; May 15; v. 238; p. 664.
- Carlson, John A., Seattle, Wash. Band-saw. No. 1,230,275; June 19; v. 239; p. 723.
- Carlson, John P., Brooklyn, N. Y. Explosive-engine. No. 1,220,951; Mar. 27; v. 236; p. 1168.
- Carlson, Karl O., assignor to National Piano Manufacturing Company, Grand Rapids, Mich. Automatic musical instrument with magazine. No. 1,217,271; Feb. 27; v. 235; p. 1108.
- Carlson, Olaf, and H. Pick, assignors to Albert Pick & Company, Chicago, Ill. Manufacture of billiard-cues. No. 1,241,194; Sept. 25; v. 242; p. 877.
- Carlson, Oscar, Chicago, Ill. Apparatus for handling bricks and paving blocks or stones. No. 1,239,879; Sept. 11; v. 242; p. 400.
- Carlson, Oscar F., Biglake, Wash. Logging-hook. No. 1,249,324; Dec. 11; v. 245; p. 290.
- Carlson, Oscar G., assignor of one-half to G. M. Sprague, Mill City, Ore. Crayon-holder. No. 1,216,070; Feb. 13; v. 235; p. 597.
- Carlson, Rudolph, Farmingdale, N. Y. Heat-controller for automobile-radiators. No. 1,248,073; Nov. 27; v. 244; p. 959.
- Carlson, Theodore T., assignor to Simonds Manufacturing Company, Fitchburg, Mass. Saw-tooth. No. 1,240,939; Sept. 25; v. 242; p. 799.
- Carlton, Lee C. (See Kliesrath and Carlton.)

Alphabetical list of patentees—Continued.

- Carmack, James H., Deolson, Tex. Trolley-harp. No. 1,225,926; May 15; v. 238; p. 718.
- Carman, Carlyle B., Salineville, Ohio. Electrically-heated fireless cooker. No. 1,222,181; Apr. 10; v. 237; p. 444.
- Carman, Charles W. (See Newell and Carman.)
- Carman, Charles W., assignor of one-half to C. Carman, Newburg, W. Va. Mine-door. No. 1,240,541; Sept. 18; v. 242; p. 642.
- Carman, Christiana. (See Carman, Charles W., assignor.)
- Carman, Edwin S., assignor to The Osborn Manufacturing Company, Cleveland, Ohio. Mold-making machine. No. 1,220,725; Mar. 27; v. 236; p. 1092.
- Carman, Frank V., Oakland, Cal. Spike-hole-plug machine. No. 1,218,836; Mar. 13; v. 236; p. 369.
- Carmichael, Alena S. (See Blackburn, Mary, assignor.)
- Carmichael, Harvey B., Kalamazoo, Mich. Attachment for motor-vehicles. No. 1,219,247; Mar. 13; v. 236; p. 509.
- Carmichael, Henry, et al. (See O'Neill, Frank V., assignor.)
- Carmichael, Robert E., Damon, Tex. Means for preventing clogging of the working barrels of pumps. No. 1,246,545; Nov. 13; v. 244; p. 449.
- Carmichael, William J. (See Ayling, John, assignor.)
- Carmichael, William M., Atlanta, Ga. Printer's blanket. No. 1,246,231; Nov. 13; v. 244; p. 355.
- Carmody, Harold J., Brooklyn, assignor of one-third to J. M. Levine and one-third to H. Udand, New York, N. Y. Thermostat. No. 1,218,167; Mar. 6; v. 236; p. 97.
- Carmody, Harold J., Brooklyn, assignor of one-third to J. M. Levine and one-third to H. Udand, New York, N. Y. Fire-extinguisher. No. 1,235,550; Aug. 7; v. 241; p. 7.
- Carmona, Francisco F., assignor to Compania Exploradora Navetzen, Mexico, Mexico. Detergent, bleaching, and disinfecting composition. No. 1,237,267; Aug. 14; v. 241; p. 591.
- Carnahan, Frank, South Boston, assignor to Emerson Piano Company, Boston, Mass. Accounting device for piano-player actions. No. 1,242,919; Oct. 16; v. 243; p. 536.
- Carnahan, Frank, South Boston, assignor to Emerson Piano Company, Boston, Mass. Pneumatic player-action. No. 1,250,428; Dec. 18; v. 245; p. 652.
- Carnahan, John W., assignor to The Wishbone Steel Wheel Company of America, Washington, D. C. Wheel construction. No. 1,218,593; Mar. 6; v. 236; p. 243.
- Carnahan, Orlando B., Monongahela, assignor to Window Glass Machine Company, Pittsburgh, Pa. Scraper for glass flattening stones. No. 1,229,711; June 12; v. 239; p. 499.
- Carnegie, Alfred Q. (See Parsons, Carnegie, and Cook.)
- Carnegie, William C., Pittsburgh, Pa. Air-resistance speed-control device for automobiles. No. 1,236,263; Aug. 7; v. 241; p. 236.
- Carnell, Harry G., Dayton, Ohio. Carbureter. No. 1,228,294; May 29; v. 238; p. 1580.
- Carney, Frank D., and L. B. Lindemuth, Bethlehem, Pa. Manufacture of steel. No. 1,223,030; Apr. 17; v. 237; p. 781.
- Carney, George W. (See Fouse, Christian and J., assignors.)
- Carney, James J., Haverhill, Mass. Axle. No. 1,215,619; Feb. 13; v. 235; p. 435.
- Carney, James J., Bethel, Vt. Self-lubricating axle. No. 1,244,020; Oct. 23; v. 243; p. 910.
- Carney, Thomas M., Kansas City, Mo. Shelf. No. 1,211,286; Jan. 2; v. 234; p. 314.
- Carney, Thomas W., Clifton, N. J. Splash-board for sinks. No. 1,221,137; Apr. 3; v. 237; p. 47.
- Carnine, Arba I. (See West and Carnine.)
- Carnot Development Corporation. (See Hayes, Albert, assignor.)
- Carns, Emmett T., and A. R. Bishop, Murray, Iowa. Planter-marker. No. 1,222,522; Apr. 10; v. 237; p. 564.
- Carns, Emmett E., Salem, Ohio. Pen-extractor. No. 1,231,127; June 26; v. 239; p. 1047.
- Caro, Albert, Maywood, Ill. Warming-oven. No. 1,238,743; Sept. 4; v. 242; p. 7.
- Carolin, Edward M. D., Leeds, England. Ventilated boot or shoe. No. 1,211,642; Jan. 9; v. 234; p. 434.
- Carolin, James B., Newark, N. J. Safety device for machinery. No. 1,236,146; Aug. 7; v. 241; p. 198.
- Caron, Louis G., Toronto, Ontario, Canada. Artificial hand and arm. No. 1,247,077; Nov. 20; v. 244; p. 642.
- Caron, Martinus H., Weltevreden, Java, Dutch East Indies. Extracting gold and silver from ore containing gold, silver, and manganese dioxid. No. 1,232,216; July 3; v. 240; p. 228.
- Carothers, Robert M., Schenectady, N. Y., assignor to General Electric Company. Regulator for phase-balancers. No. 1,235,436; July 31; v. 240; p. 1395.
- Carozza, Antonio T., Baltimore county, Md. Stone-breaker. No. 1,240,821; Sept. 25; v. 242; p. 761.
- Carozza, Benjamin J., Wilkes-Barre, Pa. Pin-ticket. No. 1,249,325; Dec. 11; v. 245; p. 290.
- Carpenter, Campbell C., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Paste for storage-battery plates. No. 1,215,907; Feb. 13; v. 235; p. 537.
- Carpenter, Campbell C., and R. J. Ellis, assignors to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Battery-cell. No. 1,214,647; Feb. 6; v. 235; p. 58.
- Carpenter, Charles A., Columbus Junction, Iowa. Vehicle-brake. No. 1,220,411; June 12; v. 239; p. 399.
- Carpenter, Charles R., San Diego, Cal. Rotary internal-combustion engine. No. 1,246,875; Nov. 20; v. 244; p. 583.
- Carpenter, Charles U., Dayton, Ohio. Umbrella. No. 1,232,492; July 10; v. 240; p. 352.
- Carpenter, Eugene R., Chattanooga, Tenn. Cattle-yoke. No. 1,227,333; May 22; v. 238; p. 1245.
- Carpenter, Fleming, et al. (See Jones, William W., assignor.)
- Carpenter, Francis W., St. Paul, Minn. Steering-pole. No. 1,236,540; Aug. 14; v. 241; p. 357.
- Carpenter, Harry A., Rochester, N. Y. Capillary humidifier. No. 1,250,280; Dec. 18; v. 245; p. 607.
- Carpenter, Henry A., and A. W. Warner, Sewickley, assignors to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Telescoping-chute structure. No. 1,229,224; June 12; v. 239; p. 335.
- Carpenter, Henry A., and A. W. Warner, Sewickley, assignors to Riter-Conley Manufacturing Company, Pittsburgh, Pa. Control mechanism for charging and discharging machines. No. 1,229,225; June 12; v. 239; p. 336.
- Carpenter, Howard H., Altadena, Cal. Refrigerating apparatus. No. 1,212,127; Jan. 9; v. 234; p. 635.
- Carpenter, James F., Columbus, Ga. Let-off motion. No. 1,249,899; Dec. 11; v. 245; p. 458.
- Carpenter, John C., La Porte, Tex. Speed-controlling mechanism for motor-vehicles. No. 1,233,447; July 17; v. 240; p. 698.
- Carpenter, Lewis A., and R. Middleton, Revere, Mass. Sprinkling device. No. 1,222,847; Apr. 17; v. 237; p. 719.
- Carpenter, Mason P., St. Louis, Mo. Tractor. No. 1,245,566; Nov. 6; v. 244; p. 129.
- Carpenter, Paul. (See Scott and Carpenter.)
- Carpenter, Raymond, East Orange, N. J., assignor to The Griscom-Russell Company. Steam-separator. No. 1,243,258; Oct. 16; v. 243; p. 640.
- Carpenter Steel Company. (See Parker and De Long, assignors.)
- Carpenter, Stephen L., assignor of one-half to L. Karpen, New Rochelle, N. Y. Automobile-signal. No. 1,240,024; Sept. 11; v. 242; p. 443.
- Carpenter, Walter S., Jr., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Starter for prime movers. No. 1,229,584; June 12; v. 239; p. 457.
- Carpenter, Warren W., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,247,371; Nov. 20; v. 244; p. 725.
- Carr, Arthur C., San Francisco, Cal. Cigar and cigarette case. No. 1,220,496; Mar. 27; v. 236; p. 1015.
- Carr Fastener Company. (See Carr, Fred S., assignor.)
- Carr, Fred S., Brookline, assignor to Carr Fastener Company, Cambridge, Mass. Cartridge-carrier. No. 1,214,895; Feb. 6; v. 235; p. 143.
- Carr, Fred S., Brookline, assignor to Carr Fastener Company, Cambridge, Mass. Turn-button fastener. No. 1,223,146; Apr. 17; v. 237; p. 822.
- Carr, Fred S., Brookline, assignor to Carr Fastener Company, Cambridge, Mass. Stud-and-socket fastener. No. 1,237,469; Aug. 21; v. 241; p. 693.
- Carr, George D., Detroit, Mich. Combination door-lock. No. 1,242,140; Oct. 9; v. 243; p. 254.
- Carr, Howard G., Hoopston, Ill. Shock-absorber. No. 1,240,822; Sept. 25; v. 242; p. 762.
- Carr, Ira M., Titusville, Fla. Oil-burner. No. 1,234,129; July 24; v. 240; p. 954.
- Carr, John, Hamilton, Ontario, Canada. Die-casting machine. No. 1,248,453; Dec. 4; v. 245; p. 7.
- Carr, John, and G. S. Baker, London, England. Scrap-separating apparatus for dough-cutting and similar machines. No. 1,224,600; May 1; v. 238; p. 173.
- Carrey, John O., assignor to Carrey Process Company, St. Louis, Mo. Apparatus for separating mechanical mixtures of gases. No. 1,248,454; Dec. 4; v. 245; p. 8.
- Carr, Minus, Maud, Miss. Switch. No. 1,213,073; Jan. 16; v. 234; p. 997.
- Carr, Oma, New York, N. Y. Manufacturing of leather. No. 1,230,667; June 19; v. 239; p. 852.
- Carr, Patrick R., Chicago, Ill. Draft device for stoves and furnaces. No. 1,232,769; July 10; v. 240; p. 442.
- Carr, Paul H., Washington, D. C. Artificial imbibing-straw. No. 1,223,933; Apr. 24; v. 237; p. 1127.
- Carr, Selby C., Oklahoma, Okla. Automatic cut-off valve. No. 1,247,638; Nov. 27; v. 244; p. 834.
- Carr, William C., Buffalo, N. Y. Motor-truck. No. 1,237,867; Aug. 21; v. 241; p. 820.
- Carr, William C., Buffalo, N. Y. Combined switchboard and rheostat for controlling the charging of electric storage batteries. No. 1,248,074; Nov. 27; v. 244; p. 959.
- Carr, William C., assignor to The Automatic Transportation Company, Buffalo, N. Y. Motor-truck. No. 1,248,075; Nov. 27; v. 244; p. 959.
- Carra, John. (See Comerma, John, assignor.)

- Carrasco, Teófanés, Atzacapotzalco, Mexico. Preservative for fruits, eggs, and the like. No. 1,246,392; Nov. 13; v. 244; p. 405.
- Carraway, Charlie M., Shongaloo, La. Plow attachment. No. 1,210,901; Jan. 2; v. 234; p. 180.
- Carreras, Luis B. G., Morovis, Porto Rico. Coffee peeling and classifying machine. No. 1,219,079; Mar. 13; v. 236; p. 452.
- Carrey, John O. (See McAneny, Michael, assignor.)
- Carrey Process Company. (See Carrey, John O., assignor.)
- Carrick, Gerald S., assignor to C. Scholz, trustee, Chicago, Ill. Grate-bar. No. 1,218,594; Mar. 6; v. 236; p. 244.
- Carrick, Robert L. (See Adams and Carrick.)
- Carrico, Walter, Luxemburg, Mo. Artificial foot. No. 1,219,374; Mar. 13; v. 236; p. 554.
- Carrie, Frank G. (See Bossiter, George A., assignor.)
- Carrie, Frank G. (See Rossiter and Thorne, assignors.)
- Carrie, Franklin G., executor. (See Rossiter and Beattie, assignors.)
- Carrier, David R. (See Bennett, George S., assignor.)
- Carrier, Willis H., assignor to Buffalo Forge Company, Buffalo, N. Y. Apparatus for regulating the humidity and temperature of air. No. 1,231,705; July 3; v. 240; p. 57.
- Carrier, Willis H., assignor to Buffalo Forge Company, Buffalo, N. Y. Hygrostat. No. 1,237,470; Aug. 21; v. 241; p. 694.
- Carrigan, John, Seattle, Wash. Combined fire-alarm and annunciator. No. 1,249,717; Dec. 11; v. 245; p. 403.
- Carrigan, Thomas, New York, N. Y., and A. J. Sweeney, Bayonne, N. J. Refrigerating apparatus. No. 1,226,186; May 15; v. 238; p. 807.
- Carrillo, Julian, New York, N. Y. Snow-melter. No. 1,215,620; Feb. 13; v. 235; p. 436.
- Carrington, Fred W., Burlington, Vt., assignor of one-half to G. O. Taylor, Topeka, Kans. Machine for cleaning metal plates. No. 1,218,523; Mar. 6; v. 236; p. 219.
- Carris, Le Roy B., Clay county, Iowa. Resilient wheel. No. 1,229,412; June 12; v. 239; p. 399.
- Carroll, Arthur, W., and E. J. Fuller, Seattle, Wash. Drop-cord-extension reel. No. 1,243,039; Oct. 16; v. 243; p. 575.
- Carroll, Avary B., Norfolk, Va. Safety-razor. No. 1,241,921; Oct. 2; v. 243; p. 145.
- Carroll, Carl H., West Somerville, Mass. Time-controlled draft-regulating device. No. 1,231,706; July 3; v. 240; p. 57.
- Carroll, Charles, Chicago, Ill. Vibrating-machine. No. 1,247,372; Nov. 20; v. 244; p. 726.
- Carroll, Charles H., Tampa, Fla. Rail-joint. No. 1,220,184; Mar. 27; v. 236; p. 904.
- Carroll, Charles R., New York, N. Y. Automobile-radiator cap and funnel. No. 1,243,138; Oct. 16; v. 243; p. 605.
- Carroll, Cornelius P., Columbia, La. Combined screen-wire support and measuring device. No. 1,226,466; May 15; v. 238; p. 901.
- Carroll, Edward M., Port Tampa City, Fla. Combination rod-bushing for locomotive-engines. No. 1,214,509; Feb. 6; v. 235; p. 8.
- Carroll, Edward W., Weston, W. Va. Railway-tie. No. 1,251,339; Dec. 25; v. 245; p. 971.
- Carroll, Fred M., assignor to The National Cash Register Company, Dayton, Ohio. Cashier's registering-machine. No. 1,230,861; June 26; v. 239; p. 955.
- Carroll, Fred M., assignor to The National Cash Register Company, Dayton, Ohio. Printing mechanism for cash-registers. No. 1,245,191; Nov. 6; v. 244; p. 15.
- Carroll, George P. (See Roehrich, Frank N., assignor.)
- Carroll, George P., Hartford, Conn. Refrigerating-machine. No. 1,217,084; Feb. 20; v. 235; p. 998.
- Carroll, George P., Bridgeport, Conn. Refrigerating-machine. No. 1,219,533; Mar. 20; v. 236; p. 639.
- Carroll, George P., Bridgeport, Conn. Refrigerating-machine. No. 1,219,534; Mar. 20; v. 236; p. 640.
- Carroll, George P., Bridgeport, Conn. Condenser. No. 1,219,535; Mar. 20; v. 236; p. 640.
- Carroll, George P., Bridgeport, Conn. Refrigerating-machine. No. 1,225,408; May 8; v. 238; p. 501.
- Carroll, Holley, Boone, Iowa. Non-skid device. No. 1,236,671; Aug. 14; v. 241; p. 401.
- Carroll, Houston M., San Antonio, Tex. Wire-screen frame. No. 1,250,429; Dec. 18; v. 245; p. 652.
- Carroll, Isabelle. (See Paquette, Jennie, assignor.)
- Carroll, John B., Chicago, Ill. Savings-bank. No. 1,227,580; May 29; v. 238; p. 1340.
- Carroll, Joseph, New York, N. Y. Auxiliary seat for baby-carriages. No. 1,245,679; Nov. 6; v. 244; p. 163.
- Carroll, Joseph F., Lakewood, Ohio. Reinforced spring-tire. No. 1,243,259; Oct. 16; v. 243; p. 641.
- Carroll, Michael J., Elizabeth, N. J. Toilet-bowl. No. 1,234,624; July 24; v. 240; p. 1114.
- Carroll, Michael J., Elizabeth, N. J. Lavatory. No. 1,248,076; Nov. 27; v. 244; p. 960.
- Carroll, Thomas, and J. P. Frank, assignors to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,230,862; June 26; v. 239; p. 956.
- Carron, James A. (See Eby and Carron.)
- Carscadden, Dean F., Flint, Mich. Counterboring-tool and holder. No. 1,214,754; Feb. 6; v. 235; p. 95.
- Carscadin, Charles A., and G. A. Woodman, assignors, by mesne assignments, to American Steel Foundries, Chicago, Ill. Draft-gear. No. 1,239,460; Sept. 11; v. 242; p. 265.
- Carse, Donald, Riverdale-on-Hudson, N. Y. Vehicle-brake. No. 1,217,272; Feb. 27; v. 235; p. 1108.
- Carson, Ashmead C., Columbia, S. C. Type-writer attachment. No. 1,234,728; July 31; v. 240; p. 1181.
- Carson, Clarence, New York, N. Y., assignor to H. W. Johns-Manville Company. Portable-electric-lamp holder. No. 1,224,864; May 1; v. 238; p. 264.
- Carson, Frank, Caro, Mich. Sorting device. No. 1,245,086; Oct. 30; v. 243; p. 1267.
- Carson, George L., et al. (See Noah, Robert S., assignor.)
- Carson, Helen S., Chicago, Ill. Window-guard. No. 1,240,025; Sept. 11; v. 242; p. 443.
- Carson, James M., Dania, Fla. Furnace. No. 1,232,894; July 10; v. 240; p. 484.
- Carson, John F., assignor to Essensee Lock Company, Philadelphia, Pa. Automobile-lock. No. 1,226,467; May 15; v. 238; p. 901.
- Carson, John M. (See Martin, George C., assignor.)
- Carson, John M. (See Oswald, Paul E., assignor.)
- Carson, John M., Los Angeles, Cal. Automatic signal. No. 1,231,847; July 3; v. 240; p. 105.
- Carson, John R., New York, N. Y., assignor to American Telephone and Telegraph Company. Method of and means for transmitting signals. No. 1,243,705; Oct. 23; v. 243; p. 808.
- Carson, John R., New York, N. Y., assignor to American Telephone and Telegraph Company. Wireless receiving system. No. 1,244,697; Oct. 30; v. 243; p. 1149.
- Carson, Joseph O., New Orleans, La. Apparatus for teaching geometry. No. 1,250,796; Dec. 18; v. 245; p. 761.
- Carson, Orange J., Farmington, N. Mex. Strainer-holder. No. 1,213,743; Jan. 23; v. 234; p. 1262.
- Carson, Oswald B. (See Day and Carson.)
- Carson, Oswald B., assignor to American Optical Company, Southbridge, Mass. Guard-facing. No. 1,249,718; Dec. 11; v. 245; p. 404.
- Carson, Robert N., San Francisco, Cal. Glove. No. 1,219,248; Mar. 13; v. 236; p. 510.
- Carson, Robert N., San Francisco, and G. E. Thompson, Oakland, Cal. Glove. No. 1,238,634; Aug. 28; v. 241; p. 1102.
- Carson, Robert W., Rossville, Ind. Hog-oiling device. No. 1,221,675; Apr. 3; v. 237; p. 233.
- Carson, William A., administrator. (See Crismore, Joseph A.)
- Carson, William E., Riverton, Va. Hydrating lime. No. 1,239,256; Sept. 4; v. 242; p. 173.
- Carson, William E., Riverton, Va. Slaking lime. No. 1,244,421; Oct. 23; v. 243; p. 1027.
- Carson, William E., Riverton, Va. Calcareous cementitious material and making the same. No. 1,248,455; Dec. 4; v. 245; p. 8.
- Carstarphen, Frederick C., Trenton, assignor to The American Steel and Wire Company of New Jersey, Hoboken, N. J. Grip for aerial tramways. No. 1,218,372; Mar. 6; v. 236; p. 169.
- Carstarphen, Frederick C., Trenton, assignor to The American Steel and Wire Company of New Jersey, Hoboken, N. J. Brake. No. 1,225,009; May 8; v. 238; p. 366.
- Carstensen, Alfred H., Milwaukee, Wis. Hat-box. No. 1,216,071; Feb. 13; v. 235; p. 597.
- Carter, Allick L., Coudersport, Pa. Ball-bearing. No. 1,242,767; Oct. 9; v. 243; p. 454.
- Carter, Augustus A., Fayette, Iowa. Revolving display-case. No. 1,243,706; Oct. 23; v. 243; p. 808.
- Carter Carburetor Company. (See Carter, William C., assignor.)
- Carter, Charles D., New York, and G. F. Bibb, Troy, N. Y., assignors to The Floyd-Wells Company, Royersford, Pa. Oven for coal and gas stoves. No. 1,211,916; Jan. 9; v. 234; p. 564.
- Carter, Curtis C., Bluffs, Ill. Regulator for incubators. No. 1,243,707; Oct. 23; v. 243; p. 809.
- Carter, Earl G. (See French, James R., assignor.)
- Carter, Edward H., and W. H. Selley, New Bedford, Mass. Loom-shuttle. No. 1,237,298; Aug. 21; v. 241; p. 638.
- Carter, Eldia J., A. Taylor, and J. S. Griffith, Moberg, S. D. Spark-arrester for locomotives. No. 1,243,708; Oct. 23; v. 243; p. 809.
- Carter, Frank, assignor to Peerless Wheel Company, Chicago, Ill. Spring-wheel. No. 1,222,734; Apr. 17; v. 237; p. 681.
- Carter, Frank W. (See Connor, Maurice N., assignor.)
- Carter, George E., Apex, N. C. Door-check. No. 1,211,374; Jan. 2; v. 234; p. 340.
- Carter, Horace A., Needham Heights, Mass. Undergarment. No. 1,244,174; Oct. 23; v. 243; p. 952.
- Carter, J. W., et al. (See Ross, Albert, assignor.)
- Carter, James H., Chicago, Ill. Cell-case. No. 1,250,090; Dec. 11; v. 245; p. 511.
- Carter, Jesse E. (See Kuns and Carter.)
- Carter, Jonas, assignor to Carter-Long Magneto Company, Waukegan, Ill. Generator for intermittent electric currents. No. 1,231,126; June 26; v. 239; p. 1047.
- Carter, Leff S. (See Patterson, Thomas A., assignor.)
- Carter, Lewis A., and L. J. Rector, Hayden, Ariz. Marker-buoy. No. 1,215,908; Feb. 13; v. 235; p. 537.

Alphabetical list of patentees—Continued.

- Carter-Long Magneto Company. (See Carter, Jonas, assignor.)
- Carter, Oscar W., Fellows, Cal. Ornamenting device. No. 1,240,940; Sept. 25; v. 242; p. 799.
- Carter, Ray L., assignor of one-half to L. O. Buchholz, Syracuse, N. Y. Gage. No. 1,231,238; June 26; v. 239; p. 1083.
- Carter, Ray L., assignor of one-half to L. O. Buchholz, Syracuse, N. Y. Disk grinder. No. 1,244,584; Oct. 30; v. 243; p. 1116.
- Carter, Robert E., Middletown, N. C. Crab and terrapin trap. No. 1,223,851; Apr. 24; v. 237; p. 1099.
- Carter, Robert W., Los Angeles, Cal. Sheet-metal-rolling machine for fenders and the like. No. 1,244,422; Oct. 23; v. 243; p. 1027.
- Carter, Russell S., Hewlett, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Drill-bit and sectional rod therefor. No. 1,211,080; Jan. 2; v. 234; p. 242.
- Carter & Sons, H. W. (See Landers, John, assignor.)
- Carter, Steaven A., Argenta, Ark. Smoking-pipe. No. 1,245,316; Nov. 6; v. 244; p. 53.
- Carter, Theodore W., assignor of one-half to M. R. Buchanan, Silver City, N. Mex. Blow-out protector for tires. No. 1,224,103; Apr. 24; v. 237; p. 1184.
- Carter, Thomas B., et al. (See Burns, John G., assignor.)
- Carter, Wilber A., and S. Crocker, Detroit, Mich., assignors to General Electric Company. Electrical heating unit and method of making the same. No. 1,233,183; July 10; v. 240; p. 577.
- Carter, William C., assignor to Carter Carburetor Company, St. Louis, Mo. Carburetor. No. 1,222,848; Apr. 17; v. 237; p. 719.
- Carter, William H., assignor, by mesne assignments, to The William Carter Co., Needham Heights, Mass. Knitted fabric and producing the same. No. 1,231,563; July 3; v. 240; p. 8.
- Carter, William H., assignor, by mesne assignments, to The William Carter Co., Needham Heights, Mass. Circular latch-needle knitting-machine. No. 1,231,566; July 3; v. 240; p. 8.
- Carter, William S., Lovingson, Va. Knockdown barrel or hoghead. No. 1,223,767; Apr. 24; v. 237; p. 1070.
- Carthew, Frederick D. (See McLoughlin, Harry, assignor.)
- Cartier, Cyrille, Woonsocket, R. I. Clamp for top-roll covers. No. 1,228,745; June 5; v. 239; p. 127.
- Cartmell, Benjamin L., Dayton, Ohio. Automatic playing device for stringed instruments. No. 1,238,884; Sept. 4; v. 242; p. 52.
- Cartmell, Robert J., Soap Lake, assignor of one-half to J. W. Kahle, Seattle, Wash. Pumping device. No. 1,216,415; Feb. 20; v. 235; p. 771.
- Carton, Albert F., Pipestone, Minn. Fluid-gage. No. 1,225,108; May 8; v. 238; p. 399.
- Cartwright, Benjamin S., Oelrichs, S. D. Electrically-driven tire-inflating pump. No. 1,234,130; July 24; v. 240; p. 954.
- Cartwright, Chapin A., Chicago, Ill. Chemical-feeding device for water-softeners. No. 1,231,128; June 26; v. 239; p. 1048.
- Cartwright, Charles L., New Decatur, Ala. Washboard. No. 1,217,915; Mar. 6; v. 236; p. 10.
- Cartwright, David J., South Bethlehem, Pa. Storage-battery construction. No. 1,220,603; Mar. 27; v. 236; p. 1052.
- Cartwright, David J., Easton, Pa., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Storage-battery plate. No. 1,220,604; Mar. 27; v. 236; p. 1053.
- Carty, Charles C. (See Martz, Randolph N., assignor.)
- Carvalho, Leslie R. N., Brooklyn, N. Y. Bottle-capping machine. No. 1,249,025; Dec. 4; v. 245; p. 173.
- Carvalho, Leslie R. N., assignor to Paragon Metal Cap Company, Brooklyn, N. Y. Means for manufacturing receptacles. No. 1,243,486; Oct. 16; v. 243; p. 708.
- Carvalho, Leslie R. N., assignor to Paragon Metal Cap Company, Brooklyn, N. Y. Making articles from sheet metal. No. 1,247,931; Nov. 27; v. 244; p. 921.
- Carver, Fred S., East Orange, N. J. Press. No. 1,247,078; Nov. 20; v. 244; p. 642.
- Carver, Fred S., Newark, N. J., and W. H. Harman, Lansdowne, Pa. Working copper. No. 1,216,282; Feb. 20; v. 235; p. 723.
- Carver, James H., Schenectady, N. Y., assignor to General Electric Company. Gear, roll, and the like. No. 1,242,141; Oct. 9; v. 243; p. 254.
- Carverhill, Robert H. (See Pearce, Parker, and Carverhill.)
- Cary, Bourdon, Norfolk, Va. Sewing-machine table. No. 1,227,384; May 22; v. 238; p. 1246.
- Cary, Clarence G. (See Gorham and Cary.)
- Cary, Francis M., Ottumwa, Iowa, assignor, by mesne assignments, to Deere & Company, Moline, Ill. Horse hay-rake. No. 1,230,863; June 26; v. 239; p. 956.
- Cary, Harry E., Oakland, Cal. Dish attachment. No. 1,229,226; June 12; v. 239; p. 336.
- Cary, James B., Mason City, assignor of one-third to C. W. Lacy, Des Moines, and one-third to C. J. Raffensperger, Victor, Iowa. Mail catching and delivering apparatus. No. 1,223,852; Apr. 24; v. 237; p. 1100.
- Cary, James H., Memphis, Tenn. Hulling and cleaning machine. No. 1,220,952; Mar. 27; v. 236; p. 1169.
- Cary, James H., Memphis, Tenn. Toothed drum or cylinder. No. 1,220,953; Mar. 27; v. 236; p. 1169.
- Cary, James H., Memphis, Tenn. Cotton-gin feeder. No. 1,222,523; Apr. 10; v. 237; p. 565.
- Cary, James H., Memphis, Tenn. Rotary brush. No. 1,231,491; June 26; v. 239; p. 1167.
- Cary, James H., Memphis, Tenn. Cotton-seed cleaner. No. 1,236,147; Aug. 7; v. 241; p. 198.
- Cary, James H., Boston, Mass., assignor of one-half to W. H. Griffith, Narragansett Pier, R. I. Lock-nut. No. 1,218,168; Mar. 6; v. 236; p. 97.
- Cary Manufacturing Co. (See Cary, Spencer C., assignor.)
- Cary Manufacturing Co. (See Cary and Brand, assignors.)
- Cary Manufacturing Co. (See Schkommodau, Gustave H., assignor.)
- Cary, Spencer C., Brooklyn, N. Y. Electric welding. No. 1,226,639; May 22; v. 238; p. 995.
- Cary, Spencer C., Brooklyn, N. Y. Electric welding. No. 1,230,114; June 19; v. 239; p. 669.
- Cary, Spencer C., Brooklyn, assignor to Cary Manufacturing Co., New York, N. Y. Fastener for bundle or bale ties. No. 1,222,930; Apr. 17; v. 237; p. 746.
- Cary, Spencer C., assignor to Cary Manufacturing Company, Brooklyn, N. Y. Stand for coiled material. No. 1,239,082; Sept. 4; v. 242; p. 116.
- Cary, Spencer C., and H. H. Brand, assignors to Cary Manufacturing Co., Brooklyn, N. Y. Machine for producing corrugated fasteners. No. 1,210,416; Jan. 2; v. 234; p. 13.
- Cary, Spencer C., and H. H. Brand, assignors to Cary Manufacturing Co., Brooklyn, N. Y. Making saw-tooth fasteners. No. 1,210,417; Jan. 2; v. 234; p. 13.
- Cary, William R., Cleveland, Ohio, assignor to A. H. Ingle, Rochester, N. Y. Boring and general-use machine. No. 1,244,449; Oct. 23; v. 243; p. 1035.
- Casablancas, Fernando, Sabadell, Spain. Spinning-frame. No. 1,213,744; Jan. 23; v. 234; p. 1262.
- Casablanca, Fernando, Sabadell, Barcelona, Spain. Mechanism for drawing fibers with endless belts. No. 1,240,670; Sept. 18; v. 242; p. 681.
- Casanova, Eugene F. (See Harris and Casanova.)
- Casbarian, Boghos G., Washington, D. C. Removable eyelet for passing electric conductors through rugs. No. 1,235,184; July 31; v. 240; p. 1320.
- Case, Arthur E. (See Brownrigg, Henderson, and Case.)
- Case, Arthur E., Chicago, Ill. Signal device for telephone systems. No. 1,213,837; Jan. 30; v. 234; p. 1325.
- Case, Claude L., et al. (See Kottemann, Otto A., assignor.)
- Case, Earl F. (See Derbyshire, William, assignor.)
- Case, Francis M., assignor to J. C. Hub, Cleveland, Ohio. Apparatus for forming tab-stock. No. 1,211,081; Jan. 2; v. 234; p. 242.
- Case, Francis M., assignor to J. C. Hub, Cleveland, Ohio. Apparatus for making tab-cards. No. 1,211,082; Jan. 2; v. 234; p. 243.
- Case, Francis M., Cleveland, assignor to The Hoover Suction Sweeper Company, New Berlin, Ohio. Cleaner. (Reissue.) No. 14,383; Oct. 23; v. 243; p. 1041.
- Case, Francis M., assignor to The Russ Company, Cleveland, Ohio. Dispensing device. No. 1,244,585; Oct. 30; v. 243; p. 1116.
- Case, Frank E., Schenectady, N. Y., assignor to General Electric Company. Pneumatically-operated cam-controller. No. 1,221,676; Apr. 3; v. 237; p. 234.
- Case, Frank E., Schenectady, N. Y., assignor to General Electric Company. Circuit-interrupting means. No. 1,227,385; May 22; v. 238; p. 1246.
- Case, Frank E., Schenectady, N. Y., assignor to General Electric Company. Two-voltage circuit-breaker. No. 1,227,386; May 22; v. 238; p. 1246.
- Case, Frank E., Schenectady, N. Y., assignor to General Electric Company. Lock for handles. No. 1,237,242; Aug. 14; v. 241; p. 583.
- Case, Fredrick W., Larwill, Ind. Mold. No. 1,219,080; Mar. 13; v. 236; p. 452.
- Case, Joel T., deceased, Bristol, Conn.; R. G. Baldwin, administrator. Rotary engine. No. 1,250,430; Dec. 18; v. 245; p. 652.
- Case, Joseph J., Trenton, N. J. Cooking and warming attachment for stoves. No. 1,232,493; July 10; v. 240; p. 352.
- Case & Martin Co. (See Ehrlich, William, assignor.)
- Case, Oliver M. (See French, Franklin E., assignor.)
- Case, Royal R., Richmond, Cal. Clutch mechanism. No. 1,236,264; Aug. 7; v. 241; p. 236.
- Case, Wallace W., Peru, Ind. Wheel. No. 1,216,283; Feb. 20; v. 235; p. 724.
- Case, William L. (See Platter and Case.)
- Case, Willis W., Jr. (See Muckle, Theodore W., assignor.)
- Casella, Secondo L., New York, assignor to C. Hubert, White Plains, N. Y. Battery-capping machine. No. 1,246,876; Nov. 20; v. 244; p. 583.
- Caselton, Arthur. (See Bates and Caselton.)
- Casey-Hedges Co., The. (See Stimmel, Frederick C., assignor.)
- Casey, James D., Baltimore, Md. Wheel. No. 1,233,842; July 17; v. 240; p. 826.
- Casey, John P., Flemington, N. J. Light-dimmer. No. 1,243,652; Oct. 16; v. 243; p. 759.

- Casey, Marion R., assignor to Clinton Cam Company, Clinton, S. C. Cam. No. 1,219,249; Mar. 13; v. 236; p. 510.
- Casey, Ralph R. Q., Seattle, Wash., O. G. Muhlig and E. Seobers, Portland, Oreg. Work-holder for sawing-machines. No. 1,248,805; Dec. 4; v. 245; p. 113.
- Casey, Thomas J., San Francisco, Cal. Laundry machinery. No. 1,247,079; Nov. 20; v. 244; p. 643.
- Casey, Vasco F., Minneapolis, Minn. Suction-dredge. No. 1,238,260; Aug. 28; v. 241; p. 982.
- Caser, William F. J., and G. Cavin, Kingston, Ontario, Canada. Pilot-truck. No. 1,233,979; July 17; v. 240; p. 871.
- Cash, Albert, Lewiston, Me. Block-leveler. No. 1,249,026; Dec. 4; v. 245; p. 173.
- Cash, Albert S., Elizabethtown, Ky. Track-aligning gage. No. 1,237,748; Aug. 21; v. 241; p. 785.
- Cash, Albert S., and R. H. Briscoe, Elizabethtown, Ky. Rail. No. 1,213,745; Jan. 23; v. 234; p. 1262.
- Cash, Alfred G., Rochester, N. Y. Test-indicator. No. 1,235,551; Aug. 7; v. 241; p. 7.
- Cash, Arthur W., assignor to H. Mueller Mfg. Co., Decatur, Ill. Tapping-machine. No. 1,216,284; Feb. 20; v. 235; p. 724.
- Cash, Arthur W., assignor to H. Mueller Manufacturing Co., Decatur, Ill. Regulator for anesthetic apparatus. No. 1,216,285; Feb. 20; v. 235; p. 724.
- Cash, Arthur W., Decatur, Ill., assignor to H. Mueller Manufacturing Co. Fluid-pressure regulator. No. 1,249,596; Dec. 11; v. 245; p. 367.
- Cash, Arthur W., assignor to United States Wire Mat Company, Decatur, Ill. Implement or device for killing or disabling insects, flies, or the like. No. 1,237,168; Aug. 14; v. 241; p. 559.
- Cash, Gentry, assignor to Standard Oil Company, Whiting, Ind. Stuffing-box. No. 1,230,065; June 12; v. 239; p. 614.
- Cashatt, Harner, *et al.* (See Johnson, David B., assignor.)
- Cashel, John A., Worthington, Minn. Vessel-propelling mechanism. No. 1,224,274; May 1; v. 238; p. 57.
- Cashion, Charles R., Purcell, Okla. Cotton-harvesting machine. No. 1,217,408; Feb. 27; v. 235; p. 1154.
- Cashman, Denis F., Dayton, Ohio. Control for aerial vehicles. No. 1,210,418; Jan. 2; v. 234; p. 14.
- Cashner, Roy C., assignor to The Coaster Manufacturing Company, Kansas City, Mo. Coasting-vehicle. No. 1,245,317; Nov. 6; v. 244; p. 53.
- Caskey, Frank L., Emporium, Pa. Sealing hopper-closure. No. 1,224,136; May 1; v. 238; p. 7.
- Casmire, Fred B., Chanute, Kans. Removing paint and varnish. No. 1,230,668; June 19; v. 239; p. 853.
- Casner, Earl, Carthage, Mo. Valve-grinding mechanism. No. 1,224,067; Apr. 24; v. 237; p. 1172.
- Cason, Charles W., Sr., Camden, N. J. Railway-rail. No. 1,226,061; May 15; v. 238; p. 764.
- Casper, John R., Washington, D. C. Signaling device. No. 1,228,095; May 29; v. 238; p. 1517.
- Casper, Joseph H., Greeley, Kans. Reversible ratchet-wrench. No. 1,214,423; Jan. 30; v. 234; p. 1526.
- Cass, Myron T., Schenectady, N. Y., assignor of one-half to The Kellam & Shaffer Company, Drier. No. 1,219,081; Mar. 13; v. 236; p. 453.
- Cass, Thomas M., Tyler, Tex. Cotton-boll-threshing machine. No. 1,219,701; Mar. 20; v. 236; p. 698.
- Cass, William J., Easton, Me. Clip for neck-yokes. No. 1,224,708; May 1; v. 238; p. 211.
- Cassady, Ulysses G., assignor to Primolite Co., Indianapolis, Ind. Dimming-lens for headlights. No. 1,230,670; June 19; v. 239; p. 853.
- Cassady, Ulysses G., and L. W. George, assignors to Primolite Co., Indianapolis, Ind. Dimming headlight-lens. No. 1,230,669; June 19; v. 239; p. 853.
- Cassel, Edwin D., Newark, Ohio. Railway-rail-engaging device. No. 1,220,319; Mar. 27; v. 236; p. 953.
- Cassel, Gunnar E., Stockholm, assignor to A. Lefler, Djursholm, Sweden. Traction-wheel. No. 1,229,712; June 12; v. 239; p. 500.
- Cassell, Charles, Weippe, Idaho. Rotary harrow. No. 1,240,542; Sept. 18; v. 242; p. 643.
- Cassidy, Frederick H., Randolph, Mass. Curb-cock. No. 1,215,250; Feb. 6; v. 235; p. 268.
- Cassidy, Patrick. (See St. Laurent, Aimé A., assignor.)
- Cassman, John F., Logansport, Ind. Fence-gate. No. 1,212,015; Jan. 9; v. 234; p. 598.
- Casson, Robert A., Duluth, Minn. Meter-reading device. No. 1,236,265; Aug. 7; v. 241; p. 236.
- Castells, Ramon, Barcelona, Spain. Plastic composition. No. 1,219,536; Mar. 20; v. 236; p. 641.
- Casteris, Antonio, Newark, N. J. Floral decoration. No. 1,225,767; May 15; v. 238; p. 664.
- Castillo, Jose L., San Francisco, Cal. Serpentine-shooter. No. 1,224,112; Apr. 24; v. 237; p. 1188.
- Castle, Egbert H., Quincy, Ill. Combination cooking-stove. No. 1,214,424; Jan. 30; v. 234; p. 1527.
- Caston, David L., Commerce, Ga. Pipe-coupling. No. 1,214,425; Jan. 30; v. 234; p. 1527.
- Caswell, Ann E. (See Caswell, William B., assignor.)
- Caswell, Solomon. (See Doane and Caswell.)
- Caswell, William A., Chicago, Ill. Truck. No. 1,215,342; Feb. 13; v. 235; p. 333.
- Caswell, William B., assignor of one-fifth to A. E. Caswell, Newport, R. I. Window-shade-roller bracket. No. 1,242,521; Oct. 9; v. 243; p. 374.
- Catala, Tiburce, New York, N. Y. Case for jewelry. No. 1,240,671; Sept. 18; v. 242; p. 682.
- Cate, Clarence, assignor to F. F. Akerly, Chicago, Ill. Automatic stopping device for graphophones. No. 1,226,749; May 22; v. 238; p. 1032.
- Cater, Theodore T., Columbus, Kans. Dental-vulcanizer attachment. No. 1,212,016; Jan. 9; v. 234; p. 598.
- Caterson, Edward. (See Soons, James E., assignor.)
- Cates, Robert S., Kingman, Kans. Cereal food. No. 1,219,809; Mar. 20; v. 236; p. 735.
- Cathcart, Frank H., Trenton, N. J., assignor to Automatic Shaft Coupling Co., Alexandria, Va. Roller-retainer. No. 1,220,185; Mar. 27; v. 236; p. 904.
- Cathcart, William A. P., Honolulu, Hawaii. Motion-picture-camera support. No. 1,221,677; Apr. 3; v. 237; p. 234.
- Cathcart, William F., Chicago, Ill. Hydrocarbon generator and burner. No. 1,210,597; Jan. 2; v. 234; p. 75.
- Cather, Charles E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Metallic fastener for merchandise-envelops. No. 1,235,289; July 31; v. 240; p. 1352.
- Catlin, Robert M., Franklin Furnace, N. J. Making decolorizing materials. No. 1,219,438; Mar. 20; v. 236; p. 606.
- Catlin, Thomas S., Guion, assignor of one-half to H. W. Robbins, Gwynneville, Ind. Sanitary milk-pail. No. 1,217,564; Feb. 27; v. 235; p. 1212.
- Catlin, Thomas S., Guion, assignor of one-half to H. W. Robbins, Gwynneville, Ind. Jar-holder. No. 1,217,565; Feb. 27; v. 235; p. 1213.
- Cator, Henry E., assignor of two-fifths to S. A. Byrne and one-fifth to E. H. Moreno, Oakland, Cal. Lineman's tool. No. 1,233,980; July 17; v. 240; p. 871.
- Catron, James F., and J. W. Wheeler, Thomas, Okla. Hoisting means for use in silos. No. 1,238,985; Sept. 4; v. 242; p. 86.
- Catucci, Pliny, Newark, N. J., assignor, by mesne assignments, to Otto Heineman Phonograph Supply Co., Inc., New York, N. Y. Tablet-support for talking-machines. No. 1,242,920; Oct. 16; v. 243; p. 536.
- Catucci, Pliny, Newark, N. J., assignor, by mesne assignments, to Otto Heineman Phonograph Supply Co., Inc., New York, N. Y. Tone-arm for talking-machines. No. 1,251,340; Dec. 25; v. 245; p. 971.
- Cauchois, Frederic A. (See Pedersen, Johannes T., assignor.)
- Caudenberg, Alfred C. de, Raimbaldi, Nice, France. Waterproof building material. No. 1,220,401; Mar. 27; v. 236; p. 982.
- Cauuffman, Zamora C., Seattle, Wash. Chin-supporter. No. 1,247,222; Nov. 20; v. 244; p. 684.
- Caughey, Edward G., Sewickley, Pa. Band-anchor for tank-cars. No. 1,229,884; June 12; v. 239; p. 557.
- Caughey, Robert C., assignor to Grand Detour Plow Company, Dixon, Ill. Tractor-hitch. No. 1,217,273; Feb. 27; v. 235; p. 1108.
- Caulkings, Frank, Hornell, N. Y. Sprag. No. 1,220,605; Mar. 27; v. 236; p. 1053.
- Cauthorn, Richard C., and E. A. Graves, Nowata, Okla. Revolving sign. No. 1,232,895; July 10; v. 240; p. 484.
- Cavanagh, James, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Manufacturing shoes. No. 1,229,227; June 12; v. 239; p. 836.
- Cavanagh, James, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe. No. 1,229,585; June 12; v. 239; p. 458.
- Cavanagh, James, Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Rounding and channeling machine. No. 1,235,960; Aug. 7; v. 241; p. 141.
- Cavanagh, John F. (See Stahl and Cavanagh.)
- Cavanagh, John F., Meriden, Conn. Distributer. No. 1,242,895; Oct. 9; v. 243; p. 494.
- Cavanagh, John F., assignor to The Connecticut Telephone & Electric Company, Inc., Meriden, Conn. Distributer for electric ignition systems. No. 1,217,566; Feb. 27; v. 235; p. 1213.
- Cavanagh, John F., assignor to Connecticut Telephone & Electric Company, Meriden, Conn. Ignition-switch. No. 1,232,458; July 3; v. 240; p. 304.
- Cavanagh, John F., assignor to The Connecticut Telephone & Electric Company, Meriden, Conn. Switch. No. 1,238,261; Aug. 28; v. 241; p. 982.
- Cavanagh, John F., assignor to The Connecticut Telephone & Electric Company, Meriden, Conn. Distributer-arm. No. 1,245,612; Dec. 4; v. 245; p. 55.
- Cavanagh, John F., assignor to Connecticut Telephone & Electric Company, Inc., Meriden, Conn. Switch. No. 1,249,027; Dec. 4; v. 245; p. 174.
- Cavanagh, Joseph A. (See Barstow and Cavanagh.)
- Cavanaugh, Dennis, assignor of one-half to E. Halseth, Portland, Oreg. Hook. No. 1,214,755; Feb. 6; v. 235; p. 95.
- Cavanaugh, James J., Omaha, Nebr. Curtain-hanger. No. 1,228,531; June 5; v. 239; p. 54.
- Cavanaugh, William M., Rosebank, assignor, by mesne assignments, to Leather Products Company, Inc., New York, N. Y. Leather fabric. No. 1,239,880; Sept. 11; v. 242; p. 400.

Alphabetical list of patentees—Continued.

- Cavanaugh, William M., Rosebank, assignor, by mesne assignments, to Leather Products Company, Inc., New York, N. Y. Leather fabric. No. 1,243,709; Oct. 23; v. 243; p. 810.
- Cave, Henry, Elizabeth, assignor to Davis-Bournonville Company, Jersey City, N. J. Hose connection. No. 1,235,876; Aug. 7; v. 241; p. 114.
- Cave, Henry, Elizabeth, N. J., assignor to Davis-Bournonville Company, New York, N. Y. Portable gas welding or cutting equipment. No. 1,244,030; Oct. 23; v. 243; p. 911.
- Cavell, Ray C. (See Klauber and Cavell.)
- Caven, Alva H., Youngwood, Pa. Electric signal system. No. 1,211,083; Jan. 2; v. 234; p. 243.
- Caven, Trevor M., Baltimore, Md., assignor to Maryland Products Company. Diatomaceous material and making the same. No. 1,247,503; Nov. 20; v. 244; p. 764.
- Caveney, George, Oakland, Cal. Discharge-nozzle. No. 1,235,109; July 31; v. 240; p. 1298.
- Cavil, George H., West De Pere, Wis. Culvert-mold. No. 1,225,768; May 15; v. 238; p. 664.
- Cavin, Gustave. (See Casey and Cavin.)
- Caw, Edward S., Minneapolis, Minn. Pushing device for cultivators. No. 1,234,871; July 31; v. 240; p. 1224.
- Cawby, Frank M., Champaign, Ill. Garbage-receptacle. No. 1,239,881; Sept. 11; v. 242; p. 400.
- Cawl, John F., Buffalo, N. Y. Sliding-door fastener. No. 1,216,286; Feb. 20; v. 235; p. 725.
- Cawthon, Hugh R. (See Eversole, Cawthon, and Owen.)
- Caya, Joseph E., Sorel, Quebec, Canada. Stamping-mallet. No. 1,233,311; July 17; v. 240; p. 652.
- Cayer, Joseph L., F. E. McDonald, and J. W. Eskholme, assignors, by mesne assignments, to Cayer Signal Company, Chicago, Ill. Signaling apparatus. No. 1,236,541; Aug. 14; v. 241; p. 357.
- Cayer Signal Company. (See Cayer, McDonald, and Eskholme, assignors.)
- Cayo, Ernest P., Beeville, Tex. Cotton-harvester. No. 1,213,151; Jan. 23; v. 234; p. 1058.
- Cayrol, Julien, Paris, France. Incandescent gas-burner. No. 1,249,326; Dec. 11; v. 245; p. 291.
- Cebolt, John H., and C. W. Downs, Indianapolis, Ind. Direction-signal for vehicles. No. 1,240,310; Sept. 18; v. 242; p. 570.
- Cecchini, Robert, West Springfield, Mass. Lock-case-reversing mechanism. No. 1,219,250; Mar. 13; v. 236; p. 510.
- Cecconi, Francesco, Waterbury, Conn. Core-breaker. No. 1,246,877; Nov. 20; v. 244; p. 584.
- Cecil, Morris, New York, N. Y. Safety-razor. No. 1,225,409; May 8; v. 238; p. 502.
- Cecil, Robert E., Sewickley, assignor to Air-Tight Steel Tank Company, Pittsburgh, Pa. Sprayer-nozzle. No. 1,229,030; June 5; v. 239; p. 220.
- Cecka, Franz, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Apparatus for making reinforced knitted goods. No. 1,213,333; Jan. 23; v. 234; p. 1123.
- Cecka, Franz, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Hosiery-frame. No. 1,217,410; Feb. 27; v. 235; p. 1155.
- Cecka, Franz, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Hosiery-frame. No. 1,217,411; Feb. 27; v. 235; p. 1156.
- Cecka, Franz, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Straight hosiery-frame. No. 1,219,251; Mar. 13; v. 236; p. 511.
- Cecka, Franz, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Making socks or stockings. No. 1,219,252; Mar. 13; v. 236; p. 511.
- Cecka, Franz, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Knitted goods and making the same. No. 1,228,648; June 5; v. 239; p. 92.
- Cecka, Franz, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Knitting reinforced goods. No. 1,232,218; July 3; v. 240; p. 229.
- Cecka, Franz, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Straight hosiery-frame. No. 1,235,185; July 31; v. 240; p. 1321.
- Cederborg, Victor A., Drumright, Okla. Reel. No. 1,216,255; Feb. 13; v. 235; p. 662.
- Cederquist, N. Herman, et al. (See Benson and Sandstrom, assignors.)
- Cederstrom, Emil B., Detroit, Mich., assignor to Morgan & Wright. Manipulating and handling rolls of fabric. No. 1,210,902; Jan. 2; v. 234; p. 181.
- Cederstrom, Emil B., Detroit, Mich., assignor to Morgan & Wright. Preventing rubber-treated fabric from sticking to the liner-strip. No. 1,237,471; Aug. 21; v. 241; p. 694.
- Celite Products Company. (See Boeck, Percy A., assignor.)
- Celite Products Company. (See Olson, Hans M., assignor.)
- Cellitti, Frank. (See Bennett and Cellitti.)
- Cellset Brush Company, The. (See Chandler and Trayne, assignors.)
- Celluloid Company, The. (See Lindsay, William G., assignor.)
- Cement Products Company. (See Harris, John F., assignor.)
- Centolella, Giuseppe A., Clinton, N. Y. Electric-light support. No. 1,231,848; July 3; v. 240; p. 106.
- Central Brass & Fixture Co., The. (See Crabill and Turner, assignors.)
- Central Development Company. (See Lancaster, George W., assignor.)
- Central Electric Company. (See Woodhead, Daniel, assignor.)
- Central Oil Gas Stove Company. (See White and Hooper, assignors.)
- Central Railway Signal Company. (See Dutcher, Frank, assignor.)
- Central Railway Signal Company. (See Edmonds, John W., assignor.)
- Central Scientific Company. (See De Khotinsky, Achilles, assignor.)
- Centrifugal Machinery Company. (See Weeks, McCollom, and Haskell, assignors.)
- Ceramic Machinery Company. (See Goldsmith, Frederick E., assignor.)
- Cercola, Joseph C., Brooklyn, assignor of one-half to H. M. Taylor, Mount Sinai, N. Y. Illuminating device for life-lines. No. 1,214,275; Jan. 30; v. 234; p. 1476.
- Cerlo, Edwin, Rome, Italy. Means for storing, loading, and discharging torpedoes. No. 1,242,768; Oct. 9; v. 243; p. 454.
- Cerney, James, Jefferson Barracks, Mo. Rest for toilet-seats. No. 1,210,419; Jan. 2; v. 234; p. 14.
- Cerruti, Frank A., New York, N. Y. Holder for cigars, cigarettes, and the like. No. 1,241,820; Oct. 2; v. 243; p. 112.
- Cerruti, Frank A., New York, N. Y. Creeper or antislipping device. No. 1,241,821; Oct. 2; v. 243; p. 113.
- Cervený, Frances, Ada, Kans. Folding shipping-crate. No. 1,233,981; July 17; v. 240; p. 871.
- Cessna, John, Locust Grove, Ohio. Anchor for wire-stretchers. No. 1,211,084; Jan. 2; v. 234; p. 243.
- Ch. Hamann Mathematisches Mechanisches Institut G. m. b. H., The. (See Hamann, Christel, assignor.)
- Chabot, Ephraim, Providence, R. I. Automatic train-stop. No. 1,223,310; Apr. 17; v. 237; p. 875.
- Chabot, Joseph, assignor to Geo. L. Paine Company, North Attleboro, Mass. Snap-catch. No. 1,214,276; Jan. 30; v. 234; p. 1476.
- Chabot, Joseph, assignor to Geo. L. Paine Company, North Attleboro, Mass. Bracelet. No. 1,215,776; Feb. 13; v. 235; p. 490.
- Chabot, Joseph, assignor to Geo. L. Paine Company, North Attleboro, Mass. Belt-buckle. No. 1,227,115; May 22; v. 238; p. 1159.
- Chabre, Theodore, Alameda, Cal. Distance-meter. No. 1,215,317; Feb. 6; v. 235; p. 291.
- Chadbourne, Mont C., Deer Park, Wash. Planter. No. 1,250,559; Dec. 18; v. 245; p. 692.
- Chadderton, James A., Scottsdale, Pa. Photographic-printing machine. No. 1,232,219; July 3; v. 240; p. 229.
- Chaddock, George A., Broad Green, Liverpool, England. Mechanical air-borne ship. No. 1,229,713; June 12; v. 239; p. 500.
- Chadeloid Chemical Company. (See Ellis, Carleton, assignor.)
- Chadeloid Chemical Company. (See Patty, James S., assignor.)
- Chadima, Frank, Cedar Rapids, Iowa. Vent-valve for churns. No. 1,244,292; Oct. 23; v. 243; p. 990.
- Chadima, Frank, assignor to J. G. Cherry Company, Cedar Rapids, Iowa. Apparatus for pasteurizing, cooling, and ripening milk, cream, and other liquids. No. 1,224,901; May 8; v. 238; p. 328.
- Chadis, Louis N., New York, N. Y. Window-shade bracket. No. 1,242,653; Oct. 9; v. 243; p. 418.
- Chadwick, Charles H., Chicago, Ill. Towel-holding apparatus. No. 1,224,137; May 1; v. 238; p. 7.
- Chadwick, Everett D., trustee. (See Nickerson, William E., assignor.)
- Chadwick, Emma P. (See Mattson, Charles B., assignor.)
- Chadwick, George B., Portsmouth, N. H. Reamer having detachable blades. No. 1,210,903; Jan. 2; v. 234; p. 181.
- Chadwick, George B., Portsmouth, N. H. Adjustable reamer. No. 1,210,904; Jan. 2; v. 234; p. 181.
- Chadwick, George B., Portsmouth, N. H. Adjustable reamer and similar tool. No. 1,240,311; Sept. 18; v. 242; p. 570.
- Chadwick, John B., and P. Hollingshead, Runcorn, assignors to The Salt Union, Limited, Liverpool, England. Working gas-producers of the Mond type. No. 1,210,598; Jan. 2; v. 234; p. 75.
- Chadwick, John M., Dayton, Ohio. Sewing-machine mechanism. No. 1,221,138; Apr. 3; v. 237; p. 48.
- Chadwick, John P., Alexandria, Va. Piston-valve for locomotives. No. 1,245,870; Nov. 6; v. 244; p. 221.
- Chadwick, Lee S., East Cleveland, assignor to The Cleveland Foundry Company, Cleveland, Ohio. Stove. No. 1,212,901; Jan. 16; v. 234; p. 938.
- Chadwick, Lee S., East Cleveland, assignor to The Cleveland Foundry Company, Cleveland, Ohio. Lifting device for combustion-tubes. No. 1,212,902; Jan. 16; v. 234; p. 938.
- Chadwick, Lee S., East Cleveland, assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Construction for dough-boards and similar articles. No. 1,233,184; July 10; v. 240; p. 577.

- Chadwick, Lee S., East Cleveland, assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Liquid-fuel stove. No. 1,240,312; Sept. 18; v. 242; p. 571.
- Chadwick, Lee S., assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Burner. No. 1,246,878; Nov. 20; v. 244; p. 584.
- Chadwick, Lee S., East Cleveland, Ohio, assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Valve. No. 1,246,879; Nov. 20; v. 244; p. 584.
- Chadwick, Lee S., East Cleveland, Ohio, assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Burner. No. 1,247,792; Nov. 27; v. 244; p. 882.
- Chadwick, Richard U., Philadelphia, Pa. Combined discharge and vacuum valve. No. 1,229,865; June 12; v. 239; p. 557.
- Chaffer, John, Cleveland, Ohio. Ventilator. No. 1,247,639; Nov. 27; v. 244; p. 834.
- Chaffee, Edward F., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Trap-door for railway-car platforms. No. 1,214,756; Feb. 6; v. 235; p. 96.
- Chaffee, Edward F., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Trap-door for railway-car platforms. No. 1,246,880; Nov. 20; v. 244; p. 585.
- Chaffee, Edward F., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Trap-door for railway-car platforms. No. 1,248,806; Dec. 4; v. 245; p. 113.
- Chaffin, Arthur L., Torrey, assignor to one-half to W. Bown, Jr., Fayette, Utah. Road scraping and leveling device. No. 1,219,375; Mar. 13; v. 236; p. 554.
- Chaffin, William, San Antonio, Tex. Signal. No. 1,239,668; Sept. 11; v. 242; p. 331.
- Chaikin, Isidor A., New York, N. Y. Pattern-holder. No. 1,236,266; Aug. 7; v. 241; p. 237.
- Chain Belt Company. (See Levalley and Shafer, assignors.)
- Chalberg, Edward E., assignor of one-half to A. B. Ozman, Chapell, Nebr. Compound internal-combustion engine. No. 1,219,082; Mar. 13; v. 236; p. 453.
- Chalikian, Samuel, Philadelphia, Pa. Toy gun. No. 1,218,169; Mar. 6; v. 236; p. 97.
- Chalker, Charles E., assignor of one-half to W. B. Warren, Tampa, Fla. Gas and air mixing device. No. 1,239,882; Sept. 11; v. 242; p. 401.
- Challet, Etienne, Geneva, Switzerland, assignor to L. Heller & Son, New York, N. Y. Automatic machine for cutting and polishing a number of jewels or precious stones simultaneously. No. 1,240,313; Sept. 18; v. 242; p. 571.
- Chalman, John E., assignor to Union Special Machine Company, Chicago, Ill. Folding and guiding attachment for sewing-machines. No. 1,214,133; Jan. 30; v. 234; p. 1426.
- Chalman, John E., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing-machines. No. 1,220,726; Mar. 27; v. 236; p. 1092.
- Chalman, John E., assignor to Union Special Machine Company, Chicago, Ill. Folding device for sewing-machines. No. 1,222,069; Apr. 10; v. 237; p. 403.
- Chalman, John E., assignor to Union Special Machine Company, Chicago, Ill. Tuck-forming mechanism for sewing-machines. No. 1,227,116; May 22; v. 238; p. 1159.
- Chalman, John E., assignor to Union Special Machine Company, Chicago, Ill. Presser-foot for sewing-machines. No. 1,243,809; Oct. 23; v. 243; p. 844.
- Chalmers, Albert H., Fairfield, Ala. Repairing coke-oven walls. No. 1,244,467; Oct. 30; v. 243; p. 1079.
- Chalmers, Harry B., Schenectady, N. Y. Hand starting device for internal-combustion engines. No. 1,216,416; Feb. 20; v. 235; p. 772.
- Chalmers & Williams. (See McInroe, John, assignor.)
- Chalupa, Emil, New York, D. and D. Brooks, Jr., Brooklyn, N. Y. Insect-guard. No. 1,218,595; Mar. 6; v. 236; p. 244.
- Chambe, Alfred P. (See Picard, Sidney L., assignor.)
- Chamberlain, Charles H., and C. E. Best, Kansas City, Mo. Advertising device. No. 1,236,907; Aug. 14; v. 241; p. 476.
- Chamberlain, Chauncey, assignor to J. F. Field, Ionia, Mich. Hood-clamp. No. 1,225,313; May 8; v. 238; p. 469.
- Chamberlain, Emery E., Watertown, N. Y. Orifice-closer. No. 1,242,769; Oct. 9; v. 243; p. 454.
- Chamberlain, George W., Atlanta, Ga. Hydraulic jacket for hat-stamping presses. No. 1,217,274; Feb. 27; v. 235; p. 1109.
- Chamberlain, George W., Atlanta, Ga. Stretching device. No. 1,222,602; Apr. 17; v. 237; p. 634.
- Chamberlain, Horace P., Buffalo, assignor to Standard Oil Company of New York, New York, N. Y. Obtaining products from petroleum by decomposition of component hydrocarbons thereof. No. 1,221,790; Apr. 3; v. 237; p. 273.
- Chamberlain, Minor E., Lebanon, Mo. Reinforced-concrete construction. No. 1,250,966; Dec. 25; v. 245; p. 862.
- Chamberlain, Rufus N., Chicago, Ill., assignor to Gould Storage Battery Company. Storage-battery grid and plate and making same. No. 1,236,672; Aug. 14; v. 241; p. 401.
- Chamberlain, Rufus N., Chicago, Ill., assignor to Gould Storage Battery Company. Storage battery. No. 1,236,673; Aug. 14; v. 241; p. 401.
- Chamberlain, Valentine B., assignor to The Stanley Works, New Britain, Conn. Cleaning-machine. No. 1,215,482; Feb. 13; v. 235; p. 382.
- Chamberlin, Abel W. (See Angus and Chamberlin.)
- Chamberlin, Clarence P., Detroit, Mich. Wind-shield. No. 1,221,805; Apr. 3; v. 237; p. 279.
- Chamberlin, Clarence P., and C. T. Fezzey, Detroit, Mich.; said Chamberlin assignor to said Fezzey. Double-compartment package for mailing purposes. No. 1,212,128; Jan. 9; v. 234; p. 635.
- Chamberlin, Franklin L., deceased, Cleveland, Ohio; E. W. Moore, administrator. Cooling system for the pistons of internal-combustion engines. No. 1,223,668; Apr. 24; v. 237; p. 1036.
- Chambers, Adam, New York, N. Y. Clutch-control mechanism. No. 1,244,468; Oct. 30; v. 243; p. 1079.
- Chambers, Allison R., New Glasgow, Nova Scotia, Canada. Controlling means for internal-combustion engines. No. 1,213,152; Jan. 23; v. 234; p. 1058.
- Chambers, Darell M., San Diego, Cal. Level. No. 1,241,341; Sept. 25; v. 242; p. 925.
- Chambers, Ernest R., Farmington, N. Mex. Gate-Fastener. No. 1,234,286; July 24; v. 240; p. 1005.
- Chambers, George T., La Grange, Ill. Tooth for power-shovels. No. 1,220,186; Mar. 27; v. 236; p. 905.
- Chambers, Ivan, Spencer, Ind. Disk attachment for plows. No. 1,218,054; Mar. 6; v. 236; p. 59.
- Chambers, James A., Pittsburgh, Pa. Apparatus for the manufacture of glass. No. 1,232,494; July 10; v. 240; p. 352.
- Chambers, James A., Pittsburgh, Pa. Apparatus for the manufacture of glass. No. 1,232,495; July 10; v. 240; p. 353.
- Chambers, James R., et al. (See Lineback, Alvah G., assignor.)
- Chambers, John A., Newburg, Mo. Apparatus for receiving and delivering mail. No. 1,213,468; Jan. 23; v. 234; p. 1167.
- Chambers, John E., Shelbyville, Ind. Combined gas-stove and fireless cooker. No. 1,225,769; May 15; v. 238; p. 665.
- Chambers, John S., assignor to Chambers Valve Company, New York, N. Y. Steam-boiler. No. 1,250,091; Dec. 11; v. 245; p. 512.
- Chambers Valve Company. (See Chambers, John S., assignor.)
- Chambers Valve Company. (See Clark and Coffey, assignors.)
- Chambers Valve Company. (See Coffey, Joseph M., assignor.)
- Chambersburg Engineering Company. (See Terhune, Howard, assignor.)
- Chambley, Alexander, Philadelphia, Pa. Vault-light construction. No. 1,247,223; Nov. 20; v. 244; p. 684.
- Champ, Joseph H., Cleveland, Ohio. Feeding mechanism for bottling-machines. No. 1,234,729; July 31; v. 240; p. 1181.
- Champie, James A., Eden, Tex. Pipe or rod grip. No. 1,216,943; Feb. 20; v. 235; p. 951.
- Champion Blower & Forge Company. (See Keiper, Henry B., assignor.)
- Champion Ignition Company. (See Schmidt, Albert, assignor.)
- Champion, John W., Osage, Iowa, and O. Berge, Minneapolis, Minn. Hair-curler. No. 1,233,185; July 10; v. 240; p. 577.
- Champion Register Company, The. (See Marbach, Frank G., assignor.)
- Champion Shoe Machinery Company. (See Dobyne, George A., assignor.)
- Champion Shoe Machinery Company. (See Dobyne, Stephen A., assignor.)
- Champion Shoe Machinery Company. (See Dobyne, George A. and S. A., assignors.)
- Champlin, Porter, Powers Lake, N. D. Wrench. No. 1,239,883; Sept. 11; v. 242; p. 401.
- Champoux, George, Salmon Falls, N. H., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Splitting attachment for looms. No. 1,234,287; July 24; v. 240; p. 1006.
- Chance, Henry M., Philadelphia, Pa. Apparatus and method for producing metals of improved quality. No. 1,221,139; Apr. 3; v. 237; p. 48.
- Chance, Thomas M., Philadelphia, Pa. Coal-washing and ore concentration. No. 1,224,138; May 1; v. 238; p. 8.
- Chandler, Charles D. (See Roland and Chandler.)
- Chandler, Daniel L., Ayer, assignor to Fitchburg Bobbin Cleaning Machine Co., Fitchburg, Mass. Bobbin-tender. No. 1,229,228; June 12; v. 239; p. 337.
- Chandler, Daniel L., Fitchburg, and J. H. Trayne, Groton, Mass., assignors to The Cellset Brush Company. Tooth-brush and manufacturing the same. No. 1,238,635; Aug. 28; v. 241; p. 1102.
- Chandler Development Corporation. (See Chandler, Edward F., assignor.)
- Chandler, Edward F., Woodhaven, N. Y., assignor to Chandler Development Corporation. Means for fire control for dirigible devices. No. 1,249,274; Dec. 4; v. 245; p. 244.
- Chandler, Edwin N., Braintree, Mass. Edge-setter. No. 1,225,010; May 8; v. 238; p. 366.

Alphabetical list of patentees—Continued.

- Chandler, Edwin N., Braintree, assignor to Boston Last Company, Boston, Mass. Electrically-heated shoe-iron. No. 1,228,180; May 29; v. 238; p. 1543.
- Chandler, Edwin N., Braintree, assignor to Boston Last Company, Boston, Mass. Electrically-heated seam-rubber. No. 1,239,257; Sept. 4; v. 242; p. 173.
- Chandler, Elbert G., Portland, Oreg. Car-truck. No. 1,222,931; Apr. 17; v. 237; p. 747.
- Chandler, Elbert G., Portland, Oreg. Air-brake system for trucks. No. 1,251,181; Dec. 25; v. 245; p. 924.
- Chandler, Elbert R., assignor to W. B. Heidt, Guntersville, Ala. Windlass water-elevator. No. 1,228,295; May 29; v. 238; p. 1580.
- Chandler, Elmo M., South Norfolk, Va. Sprinkler-head. No. 1,244,031; Oct. 23; v. 243; p. 911.
- Chandler, Elmo M., South Norfolk, Va., assignor, by mesne assignments, to Automatic Sprinkler Company of Canada, Limited, Toronto, Ontario, Canada. Sprinkler-head. No. 1,250,281; Dec. 18; v. 245; p. 607.
- Chandler Engine Valve Company. (See Chandler, Milford G., assignor.)
- Chandler, Harry D., Seattle, Wash. Extension seat-back for automobiles. No. 1,221,969; Apr. 10; v. 237; p. 370.
- Chandler, Leonard D., North Abington, Mass. Signal for fire-sprinkler systems. No. 1,215,909; Feb. 13; v. 235; p. 537.
- Chandler, Mary H., Lavonia, Ga. Grate attachment. No. 1,245,087; Oct. 30; v. 243; p. 1267.
- Chandler, Milford G., assignor to Chandler Engine Valve Company, Chicago, Ill. Internal-combustion engine. No. 1,219,917; Mar. 20; v. 236; p. 772.
- Chandler, Nathaniel M., Woodland, Cal. Siphon. No. 1,211,085; Jan. 2; v. 234; p. 244.
- Chandler, Willard R., Sumter, S. C. Railway-brake. No. 1,229,229; June 12; v. 239; p. 337.
- Chaney, Lee F., Springfield, Ohio. Thermometer and barometer back. No. 1,242,100; Oct. 2; v. 243; p. 200.
- Chaney, Reuben. (See Chaney, Silas N. and R.)
- Chaney, Silas N. and R., Magnolia, La. Garter attachment for supporting stockings. No. 1,247,373; Nov. 20; v. 244; p. 726.
- Channell, Charles A., assignor to Channell Chemical Company, Chicago, Ill. Mop. No. 1,249,900; Dec. 11; v. 245; p. 458.
- Channell Chemical Company. (See Brown, Peter, assignor.)
- Channell Chemical Company. (See Channell, Charles A., assignor.)
- Chartier, James D., Freeport, N. Y. Planter. (Reissue.) No. 14,238; Jan. 2; v. 234; p. 342.
- Chapal, Antonin. (See Weiss and Chapal.)
- Chapin, Earl B., St. Louis, Mo., assignor of one-third to E. Stark, East St. Louis, Ill., and one-third to F. G. Chapin, St. Louis, Mo. Elevator-shaft-door latch. No. 1,221,508; Apr. 3; v. 237; p. 179.
- Chapin, Fenton G., et al. (See Chapin, Earl B., assignor.)
- Chapin, Levi J., Luverne, assignor of one-half to W. E. McDonald, Algona, Iowa. Excavator. No. 1,210,760; Jan. 2; v. 234; p. 131.
- Chapin, Louis F. (See Bigelow and Chapin.)
- Chaplain, George H., assignor of one-half to J. M. Topper, Leavenworth, Kans. Steering-gear. No. 1,233,025; July 10; v. 240; p. 524.
- Chaplin, Edwin D., New York, N. Y. Ignition apparatus for gas-engines. No. 1,249,327; Dec. 11; v. 245; p. 291.
- Chaplin-Fulton Manufacturing Company, The. (See Fulton, Louis B., assignor.)
- Chaplin, Merle P., Fairfield, assignor to Keyes Fibre Company, Waterville, Me. Conveyor-controller. No. 1,217,412; Feb. 27; v. 235; p. 1156.
- Chaplin, Merle P., assignor to Keyes Fibre Company, Fairfield, Me. Lubricating-bearing. No. 1,225,577; May 8; v. 238; p. 558.
- Chapman, Albert B., Lockport, N. Y. Mud-guard for bicycles and the like. No. 1,241,091; Sept. 25; v. 242; p. 845.
- Chapman, Albert W., et al. (See Kennedy, Henry A., assignor.)
- Chapman, Arthur S. J., Derby, England. Detachable wheel. No. 1,219,810; Mar. 20; v. 236; p. 735.
- Chapman, Charles E., Springfield, Ill. Counting and listing machine. No. 1,222,359; Apr. 10; v. 237; p. 507.
- Chapman, Charles H., deceased, Winchester, Mass.; F. F. B. Chapman, administrator. Ball-bearing. No. 1,213,805; Jan. 23; v. 234; p. 1284.
- Chapman, Charles T., Terre Haute, Ind. Drill-bit. No. 1,228,296; May 29; v. 238; p. 1581.
- Chapman, Cleander J., Lansing, Mich. Sheet-metal receptacle. No. 1,234,730; July 31; v. 240; p. 1182.
- Chapman, Cloyd M., assignor to Westinghouse, Church, Kerr & Company, New York, N. Y. Method of and apparatus for testing the consistency of plastic materials. No. 1,233,843; July 17; v. 240; p. 827.
- Chapman, Dill, La Junta, Colo. System of water distribution. No. 1,234,625; July 24; v. 240; p. 1115.
- Chapman Double Ball Bearing Company of Canada, The. (See McCallum, William J., assignor.)
- Chapman, Edward P., Findlay, Ill. Staple-set. No. 1,213,334; Jan. 23; v. 234; p. 1123.
- Chapman, Eugene M., et al. (See Ruckes, Michael, assignor.)
- Chapman, Everett B., Philadelphia, Pa. Surgical appliance. No. 1,240,026; Sept. 11; v. 242; p. 443.
- Chapman, Everett B., Philadelphia, Pa. Surgical appliance. No. 1,248,613; Dec. 4; v. 245; p. 56.
- Chapman, Frank F. B., administrator. (See Chapman, Charles H.)
- Chapman, Frank F. B., Winchester, Mass. Collapsible tube. No. 1,242,654; Oct. 9; v. 243; p. 418.
- Chapman, Fred H., Winchester, Mass. Antirefilling bottle. No. 1,244,423; Oct. 23; v. 243; p. 1027.
- Chapman, Frederick L., Jr., Chicago, Ill. Door-operating mechanism. No. 1,247,504; Nov. 20; v. 244; p. 764.
- Chapman, George A., Anaconda, Mont., assignor, by mesne assignments, to Minerals Separation North American Corporation. Ore concentration. No. 1,234,288; July 24; v. 240; p. 1006.
- Chapman, George P., Fort Collins, Colo. Folding camp-bed and tent. No. 1,241,342; Sept. 25; v. 242; p. 925.
- Chapman, James. (See Young and Chapman.)
- Chapman, James J., Indianola, Miss. Circuit-closer for drip-pan alarms. No. 1,220,954; Mar. 27; v. 236; p. 1170.
- Chapman, John M., Montclair, N. J. Means for protecting automobiles from theft. No. 1,247,640; Nov. 27; v. 244; p. 834.
- Chapman, Matthew T., assignor to The American Well Works, Aurora, Ill. Pumping apparatus. No. 1,211,408; Jan. 9; v. 234; p. 387.
- Chapman, Matthew T., assignor to The American Well Works, Aurora, Ill. Well-sinking apparatus. No. 1,248,614; Dec. 4; v. 245; p. 56.
- Chapman, Nathan C., assignor to Gas Oil Stove Company, Detroit, Mich. Igniter for liquid-fuel burners. No. 1,227,245; May 22; v. 238; p. 1203.
- Chapman, Richard S., Princeton, Minn. Foot-rest attachment for radiators. No. 1,237,749; Aug. 21; v. 241; p. 785.
- Chapman, Thomas C., assignor of one-half to J. C. McMillan, Daggett, Cal. Machine for pulling railway-spikes from ties. No. 1,237,472; Aug. 21; v. 241; p. 694.
- Chapman Trough Decking Company, The. (See Ramage, Arthur W., assignor.)
- Chapman, William G., Huntington, W. Va. Electrical protective system. No. 1,223,255; Apr. 17; v. 237; p. 856.
- Chapman, William H., Portland, Me. Process and apparatus for rectifying alternating currents of electricity. No. 1,228,405; June 5; v. 239; p. 11.
- Chapman, William H., Portland, Me. Loosening the skins of tomatoes and the like. No. 1,250,140; Dec. 18; v. 245; p. 565.
- Chapman, William L., Brooklyn, N. Y. Pipe-laying apparatus. No. 1,220,187; Mar. 27; v. 236; p. 905.
- Chapman, William L., Brooklyn, N. Y. Pipe-laying apparatus. No. 1,220,188; Mar. 27; v. 236; p. 905.
- Chapman, William L., Brooklyn, N. Y. Pipe-laying apparatus. No. 1,220,189; Mar. 27; v. 236; p. 905.
- Chapman, William L., Brooklyn, N. Y. Pipe-laying apparatus. No. 1,220,190; Mar. 27; v. 236; p. 906.
- Chapman, William L., Brooklyn, N. Y. Fountain-pen. No. 1,246,232; Nov. 13; v. 244; p. 355.
- Chappell, George H., Englewood, N. J. Screw-engine. No. 1,221,834; Apr. 10; v. 237; p. 322.
- Chappell, Howard F., New York, N. Y. Manufacture of hydrofluoric acid from silicon fluo-ride. No. 1,244,032; Oct. 23; v. 243; p. 911.
- Chappell, Howard F., assignor to Mineral Products Corporation, New York, N. Y. Manufacture of refractory bodies. No. 1,226,750; May 22; v. 238; p. 1033.
- Chappell, Howard F., assignor to Mineral Products Corporation, New York, N. Y. Producing ammonium fluo-rides. No. 1,235,552; Aug. 7; v. 241; p. 7.
- Chappell, Jesse C., Samantha, Ala. Cartridge-carrier. No. 1,241,922; Oct. 2; v. 243; p. 146.
- Chappell, Marvin L. (See Mann and Chappell.)
- Chappell, Thomas J., Cogswell, N. D. Tool-case for automobiles. No. 1,237,750; Aug. 21; v. 241; p. 785.
- Chappelle, Charles C., New York, N. Y. Hand-strap. No. 1,229,230; June 12; v. 239; p. 337.
- Chapsal, François J., Paris, and A. L. E. Sallot, La Garene-Colombes, France. Pneumatic brake. No. 1,230,277; June 19; v. 239; p. 724.
- Chard, Nicholas D., Newcastle, Ind. Feed-screw gage. No. 1,235,437; July 31; v. 240; p. 1395.
- Chard, Nicholas D., Newcastle, Ind. Lathe-center adjusting and clamping means. No. 1,239,352; Sept. 4; v. 242; p. 202.
- Chardonnet, Hilaire de, Paris, France. Apparatus for treating artificial silk and like threads. No. 1,245,155; Oct. 16; v. 243; p. 709.
- Chardonnet, Hilaire de, Paris, France. Apparatus for treating artificial-silk and like threads. No. 1,245,690; Nov. 6; v. 244; p. 167.
- Charlebois, Louis W., and E. Derouin, Watertown, N. Y. Washing-machine. No. 1,223,559; Apr. 24; v. 237; p. 997.
- Charles, Alfred W. (See McDowell, Robert G., assignor.)
- Charles B. Foster and Company. (See Higinbotham, Arthur O., assignor.)
- Charles, Carl, Rosedale, Kans. Gas-generating oil-burner. No. 1,224,854; May 1; v. 238; p. 261.
- Charles Cory & Son. (See Wood, Frank W., assignor.)
- Charles E. Hancock Company. (See Patten, Charles H., assignor.)

- Charles H. Scammell Company. (See Scammell, Charles H., assignor.)
- Charles J. Tagliabue Manufacturing Co. (See Schneider, Ralph F., assignor.)
- Charles Parker Company, The. (See Conklin, Thomas J., assignor.)
- Charles, Samuel W., Palo Alto, Cal. Safety-razor. No. 1,216,944; Feb. 20; v. 235; p. 951.
- Charles, Sylvester, San Jose, Cal. Two-cycle internal-combustion engine. No. 1,215,483; Feb. 13; v. 235; p. 382.
- Charles Taylor Sons Company, The. (See Taylor and Runyan, assignors.)
- Charles, Ulysses G., Wichita, Kans. Pocket. No. 1,226,640; May 22; v. 238; p. 996.
- Charles, Walter T., Chicago, Ill. Fire-extinguisher. No. 1,228,746; June 5; v. 239; p. 127.
- Charlesworth, Harry P. (See Barrows and Charlesworth.)
- Charley, Walter G., Murrumbidgee, Victoria, Australia. Road-vehicle suspension. No. 1,226,468; May 15; v. 238; p. 902.
- Charlier, Marcell J., Carney, Mich. Clothes-rack. No. 1,248,615; Dec. 4; v. 245; p. 56.
- Charlton, Harry W., Jones Point, N. Y. Manufacture of sand-lime brick. No. 1,235,766; Aug. 7; v. 241; p. 77.
- Charlton, Harry W., Jones Point, N. Y. Composite plastic article and producing the same. No. 1,242,421; Oct. 9; v. 243; p. 343.
- Charlton, Harry W., Jones Point, N. Y. Plastic article and producing the same. No. 1,242,422; Oct. 9; v. 243; p. 343.
- Charlton, Harry W., Jones Point, N. Y. Bricks and other molded articles. No. 1,249,028; Dec. 4; v. 245; p. 174.
- Charlton, Harry W., Jones Point, N. Y., assignor to Kaolin Products Corporation. Decomposing silicates. No. 1,234,626; July 24; v. 240; p. 1115.
- Charlton, Minard W., Ewart, Mich. Window-screen. No. 1,223,934; Apr. 24; v. 237; p. 1127.
- Charney, Aaron, Chicago, Ill. Glove. No. 1,235,010; July 31; v. 240; p. 1269.
- Charroin, Frank B., Seattle, Wash. Combined socket and handle for an air-pressure gage and hose-connector. No. 1,239,769; Sept. 11; v. 242; p. 362.
- Charron, George E., Ottawa, Ontario, Canada. Electrical safety device for railways. No. 1,226,619; May 15; v. 238; p. 949.
- Charter, James A., Chicago, Ill. Sleeve-valve. No. 1,238,104; Aug. 28; v. 241; p. 929.
- Charter, James A., Chicago, Ill. Piston-ring. No. 1,250,431; Dec. 18; v. 245; p. 653.
- Chartier, Noel B., Richland, Wash. Comb-cleaning device. No. 1,244,469; Oct. 30; v. 243; p. 1079.
- Chase, Aurin M., Syracuse, N. Y. Internal-combustion-engine governor. No. 1,218,981; Mar. 13; v. 236; p. 420.
- Chase, Aurin M., Syracuse, N. Y. Rear-axle construction. No. 1,245,680; Nov. 6; v. 244; p. 163.
- Chase, Carl W. (See Hovey and Chase.)
- Chase, Cassius S. (See McLaughlin, William H., assignor.)
- Chase Foundry and Manufacturing Company, The. (See Chase and Fleming, assignors.)
- Chase, Frank H., assignor of one-half to J. W. Talbot, Chicago, Ill. Door-stop. No. 1,232,000; July 3; v. 240; p. 155.
- Chase, Henry E. (See Edsall and Chase.)
- Chase, Irwin, assignor to The Elco Company, Bayonne, N. J. Pleasure-boat. No. 1,250,560; Dec. 18; v. 245; p. 692.
- Chase, Louis E., Wilkinsonville, Mass. Shuttle bobbin-holder. No. 1,236,052; Aug. 7; v. 241; p. 171.
- Chase, Louis E., Wilkinsonville, Mass. Loom-shuttle. No. 1,248,077; Nov. 27; v. 244; p. 960.
- Chase, Newton D., assignor of one-half to F. Frame and A. Thomas, Hornbrook, Cal. Tool for removing and replacing vehicle-tires. No. 1,246,050; Nov. 13; v. 244; p. 301.
- Chase, Rudolph K., Syracuse, N. Y. Flush-tank valve. No. 1,227,037; May 22; v. 238; p. 1132.
- Chase-Shawmut Company. (See Buchanan, Leonard B., assignor.)
- Chase-Shawmut Company. (See Buchanan and Conant, assignors.)
- Chase Shawmut Company, The. (See Pennefather, James S., assignor.)
- Chase, Sherwood M., and F. A. Fleming, assignors to The Chase Foundry and Manufacturing Company, Columbus, Ohio. Road-working machine. No. 1,225,011; May 8; v. 238; p. 366.
- Chasman, Lewis. (See Siegel, Harry, assignor.)
- Chason, John G., Colquitt, Ga. Pneumatic water-lift. No. 1,224,068; Apr. 24; v. 237; p. 1173.
- Chassaing, Eugene, assignor to M. Dufour, E. Jacquelin, and R. A. Henry, Paris, France. Stretcher. No. 1,246,544; Nov. 13; v. 244; p. 450.
- Chastain, G. D., et al. (See Scanlin, James, assignor.)
- Chatain, Henri G., Erie, Pa., assignor to General Electric Company. Method of and apparatus for controlling mechanism for internal-combustion engines. No. 1,223,935; Apr. 24; v. 237; p. 1128.
- Chatain, Henri G., Erie, Pa., assignor to General Electric Company. Internal-combustion engine. No. 1,242,142; Oct. 9; v. 243; p. 255.
- Chateaufort, Frank, Haverhill, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for operating on shoe-soles. No. 1,216,072; Feb. 13; v. 235; p. 597.
- Chateaufort, Frank, Haverhill, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-sewing machine. No. 1,240,941; Sept. 25; v. 242; p. 799.
- Chateaufort, Frank, Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Turn-shoe sole. No. 1,216,073; Feb. 13; v. 235; p. 598.
- Chatfield, Charles B., Grand Rapids, Mich. Automobile-seating. No. 1,222,360; Apr. 10; v. 237; p. 508.
- Chatfield, Franklin, Minneapolis, Minn. Fabric-cutting machine. No. 1,243,673; Oct. 16; v. 243; p. 765.
- Chatfield, Franklin, Minneapolis, Minn., assignor to Rose Patch and Label Company, Grand Rapids, Mich. Machine for feeding and cutting labels. No. 1,210,761; Jan. 2; v. 234; p. 132.
- Chatfield, Franklin, Minneapolis, Minn., assignor to Rose Patch and Label Company, Grand Rapids, Mich. Label-feeding machine. No. 1,211,543; Jan. 9; v. 234; p. 434.
- Chatfield, Franklin, assignor to Northwestern Knitting Company, Minneapolis, Minn. Lady's undergarment. No. 1,211,917; Jan. 9; v. 234; p. 565.
- Chatham, Woody B., Hattiesburg, Miss. Mail-catcher. No. 1,226,908; Aug. 14; v. 241; p. 477.
- Chatillon, Ralph F., Greenburg, N. Y., assignor to John Chatillon & Sons. Scale. No. 1,220,191; Mar. 27; v. 236; p. 906.
- Chatillon, Ralph F., Greenburg, N. Y., assignor to John Chatillon & Sons. Scale. No. 1,220,192; Mar. 27; v. 236; p. 907.
- Chatterton, James M., San Diego, Cal. Lamp for vehicles. No. 1,239,461; Sept. 11; v. 242; p. 265.
- Chauncey, Leon L. (See Eggleston and Chauncey.)
- Chausse Manufacturing Company, The. (See Chausse, Wilfrid G., assignor.)
- Chausse, Wilfrid G., assignor to The Chausse Manufacturing Company, Detroit, Mich. Portable heater. No. 1,215,343; Feb. 13; v. 235; p. 334.
- Chauvin, Adolph J., Morgan City, La. Non-sinkable boat. No. 1,220,955; Mar. 27; v. 236; p. 1170.
- Chauvin, Albert, Paris, France. Apparatus for splitting slate blocks. No. 1,217,152; Feb. 27; v. 235; p. 1068.
- Chauvin, James F., assignor to C. P. Jones, Houma, La. Pneumatic tire. No. 1,225,770; May 15; v. 238; p. 665.
- Chavez, Ramon B. (See Raff, John B., assignor.)
- Cheape, John A., Charlottesville, Va. Adding-machine. No. 1,242,921; Oct. 16; v. 243; p. 537.
- Cheatham, Conrad M., Rehoboth, Va. Vehicle-fender. No. 1,232,220; July 3; v. 240; p. 229.
- Cheatham Electric Switching Device Company. (See Cheatham and Olmsted, assignors.)
- Cheatham, Robert V., St. Matthews, and E. S. Olmsted, assignors to Cheatham Electric Switching Device Company, Louisville, Ky. Automatic switching device. No. 1,239,258; Sept. 4; v. 242; p. 173.
- Chédru, Gustave E. (See Montbarbon and Chédru.)
- Chédru, Gustave E., Levallois-Perret, France. Piston. No. 1,220,070; Mar. 20; v. 236; p. 826.
- Cheek, Carl B., Enterprise, Iowa. Coal-dump. No. 1,221,416; Apr. 3; v. 237; p. 146.
- Cheek, Carl B., Enterprise, Iowa. Life-saving suit. No. 1,221,417; Apr. 3; v. 237; p. 146.
- Cheeseman, Alva E., Bradford, assignor to The Leon-Ferrenbach Silk Company, Wilkes-Barre, Pa. Attachment for silk-spinning machines. No. 1,223,560; Apr. 24; v. 237; p. 997.
- Cheln, Julius, Montclair, N. J. Toy locomotive. No. 1,248,616; Dec. 4; v. 245; p. 57.
- Cheln, Julius, Montclair, N. J. Toy bridge. No. 1,248,617; Dec. 4; v. 245; p. 57.
- Cheln, Julius, Montclair, N. J. Toy car. No. 1,248,618; Dec. 4; v. 245; p. 57.
- Cheln, Julius, Montclair, N. J. Toy car. No. 1,248,619; Dec. 4; v. 245; p. 57.
- Chelesz, Peter, Wilkes-Barre, Pa. Safety-razor attachment. No. 1,219,625; Mar. 20; v. 236; p. 671.
- Chelew, Alfred, Toronto, Ontario, Canada. Cushion-wheel. No. 1,234,289; July 24; v. 240; p. 1006.
- Chelf, Simeon D., Kensington, Kans. Garment-pocket. No. 1,223,936; Apr. 24; v. 237; p. 1128.
- Chellar, Anton. (See Wrla, Rudolph, assignor.)
- Chelstrom, Herbert, assignor of one-third to C. L. R. Dunberg, Turtle Lake, Wis. Spring-frame for motor-cycles. No. 1,220,606; Mar. 27; v. 236; p. 1053.
- Chelton Electric Company. (See Stoddard, Hart A., assignor.)
- Chemical Development Company. (See Eldred and Mersereau, assignors.)
- Chemical Development Company. (See Mersereau, Gall, assignor.)
- Chemical & Manufacturing Company. (See Coleman, Lewis A., assignor.)
- Chemical Products Company, The. (See Doerner, Henry A., assignor.)
- Chemisch-Metallurgische Industrie Gesellschaft mit beschränkter Haftung. (See Mayer and Havas, assignors.)

Alphabetical list of patentees—Continued.

- Chemische Fabrik Greisheim-Elektron. (See Klatte and Rollett, assignors.)
 Chemische Fabrik Griesheim-Elektron. (See Pistor and Reitz, assignors.)
 Chemische Fabrik Griesheim-Elektron. (See Specketer and Hofmann, assignors.)
 Chemische Fabrik Ladenburg G. m. b. H. (See Bechhold, Heinrich, assignor.)
 Chenault, Colby E., Oklahoma, Okla. Bed. No. 1,241,195; Sept. 25; v. 242; p. 878.
 Chenault, Henry, Allensville, Ky. Thill-coupling. No. 1,245,681; Nov. 6; v. 244; p. 164.
 Chéneau, Louis J. B., Paris, France. Rail motor-car. No. 1,250,797; Dec. 18; v. 245; p. 761.
 Cheney, Charles C., Boston, Mass. Stud for shoe-tongues. No. 1,211,544; Jan. 9; v. 234; p. 434.
 Cheney, Forest, assignor, by mesne assignments, to Cheney Talking Machine Company, Chicago, Ill. Cushion-support for pivot-joints. No. 1,228,406; June 5; v. 239; p. 11.
 Cheney, Forest, assignor, by mesne assignments, to Cheney Talking Machine Company, Chicago, Ill. Phonograph-reproducer. No. 1,231,329; June 26; v. 239; p. 1113.
 Cheney, Forest, Jamestown, N. Y., assignor, by mesne assignments, to Cheney Talking Machine Company, Chicago, Ill. Brake mechanism for automatic instruments. No. 1,236,542; Aug. 14; v. 241; p. 353.
 Cheney, George M., Indianapolis, Ind. Silo. No. 1,236,053; Aug. 7; v. 241; p. 171.
 Cheney, George M., assignor to Litchfield Shuttle Company, Southbridge, Mass. Bobbin-catch for shuttles. No. 1,235,290; July 31; v. 240; p. 1352.
 Cheney, Harry F., Los Angeles, Cal. Preparing and preserving fruit-juices. No. 1,214,134; Jan. 30; v. 234; p. 1426.
 Cheney, Herbert W., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Pneumatic governor. No. 1,215,621; Feb. 13; v. 235; p. 436.
 Cheney, Herbert W., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Oil-switch. No. 1,240,314; Sept. 18; v. 242; p. 572.
 Cheney, Samuel, Wickepin, Western Australia, Australia. Air railway-brake. No. 1,219,253; Mar. 13; v. 236; p. 511.
 Cheney Talking Machine Company. (See Cheney, Forest, assignor.)
 Chenoweth, Arthur N., Waterbury, Conn. Automatic gear-shift for automobiles. No. 1,213,794; Jan. 23; v. 234; p. 1280.
 Cherbonnier, George C., assignor to American Car and Foundry Company, St. Louis, Mo. Car-door-locking mechanism. No. 1,244,698; Oct. 30; v. 243; p. 1149.
 Cherbonnier, George C., assignor to American Car and Foundry Company, St. Louis, Mo. Car-door operating and controlling mechanism. No. 1,244,699; Oct. 30; v. 243; p. 1150.
 Chermak, Andrew, Prince George, Va. Planting-wheel. No. 1,247,641; Nov. 27; v. 244; p. 835.
 Chernack, Abel E., Providence, R. I. Loom. No. 1,222,524; Apr. 10; v. 237; p. 565.
 Chernyshoff, Alexander, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Lighting-arrester. No. 1,211,822; Jan. 9; v. 234; p. 530.
 Chernyshoff, Alexander, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Lighting-arrester. No. 1,212,129; Jan. 9; v. 234; p. 636.
 Chernyshoff, Alexander, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Distributing system. No. 1,224,139; May 1; v. 238; p. 8.
 Cherry, Edward E., assignor of one-half to M. Movshovitz, Trenton, N. J. Metal-distillation furnace. No. 1,231,239; June 26; v. 239; p. 1084.
 Cherry, John M., Westfield, N. J. Movable platform for the stern end of car-floats. No. 1,249,719; Dec. 11; v. 245; p. 404.
 Cherry, Louis B., Kansas City, Mo. Synthetic production of hydrocarbon compounds. No. 1,229,886; June 12; v. 239; p. 558.
 Cherry, Peterson H., Los Angeles, Cal. Toy. No. 1,212,903; Jan. 16; v. 234; p. 939.
 Chesbro, John J., Oneonta, N. Y. Lawn-mower sharpener. No. 1,247,505; Nov. 20; v. 244; p. 764.
 Chesebro, Denison P., Mount Kisco, N. Y. Collapsible ladder. No. 1,232,221; July 3; v. 240; p. 229.
 Chesler, Jerry, East Orange, assignor to New Jersey Patent Company, West Orange, N. J. Controlling device for motion-picture machines. No. 1,245,192; Nov. 6; v. 244; p. 15.
 Chesley, Edward, Swetnam, Va. Sap spile or spout. No. 1,221,509; Apr. 3; v. 237; p. 179.
 Chesley, Frank P., Montreal, Canada. Bed-spring-locking device. No. 1,224,601; May 1; v. 238; p. 173.
 Chesney, William E., Halifax, Nova Scotia, Canada. Railway-tie. No. 1,215,112; Feb. 6; v. 235; p. 220.
 Chesnutt, John L., Kansas City, Mo. Truck. No. 1,230,278; June 19; v. 239; p. 724.
 Chesnutt, John L., Kansas City, Mo. Ball-bearing caster. No. 1,232,655; July 10; v. 240; p. 403.
 Chesnutt, John L., Kansas City, Mo. Automatic equalizer for vehicles. No. 1,241,494; Oct. 2; v. 243; p. 6.
 Chesnutt, John L., Kansas City, Mo. Pneumatic equalizer for vehicles. No. 1,241,700; Oct. 30; v. 243; p. 1150.
 Chesnutt, Seibert W., Kansas City, Mo. Linotype-magazine rack. No. 1,234,872; July 31; v. 240; p. 1224.
 Chessler, Harry, New York, N. Y. Folding couch-bed. No. 1,234,627; July 24; v. 240; p. 1115.
 Chester, John, Saltaire, England. Producing colors on textile and other materials. No. 1,231,492; June 26; v. 239; p. 1167.
 Chester, William E., Norwood, Ohio. Removable artificial dental crown. No. 1,213,587; Jan. 23; v. 234; p. 1211.
 Chesterton, Cyril A., Somerset, Manitoba, Canada. Envelop. No. 1,212,904; Jan. 16; v. 234; p. 939.
 Chetwynd, Godfrey J. B., West Riding, England. Manufacture of steel. No. 1,211,545; Jan. 9; v. 234; p. 435.
 Chevalle, Leon, Sardis, British Columbia, Canada. Sterilizing apparatus. No. 1,222,932; Apr. 17; v. 237; p. 747.
 Chevallier, Charles, London, England. Device for repeating on the engine the signals given on the line. No. 1,230,671; June 19; v. 239; p. 853.
 Chevers, Aurion V., East Providence, R. I. Musical instrument or vocal flute. No. 1,228,532; June 5; v. 239; p. 54.
 Chevrolet, Louis, Detroit, Mich. Steering-wheel. No. 1,238,262; Aug. 28; v. 241; p. 982.
 Chevrolet, Louis, Detroit, Mich. Valve mechanism. No. 1,238,263; Aug. 28; v. 241; p. 983.
 Chew, William A., Atlantic City, N. J. Lamp-locking base. No. 1,229,231; June 12; v. 239; p. 438.
 Chex Ticket Machines (1914) Limited. (See Jung, Alfred J., assignor.)
 Chiboucas, Peter. (See Pissimis and Rigopulos, assignors.)
 Chicago Braid Bow Company. (See Bricken, John, assignor.)
 Chicago-Cleveland Car Roofing Company. (See Hope, Clarence R., assignor.)
 Chicago-Cleveland Car Roofing Company. (See Russell, Thomas N., assignor.)
 Chicago Electric Meter Company. (See Hall, Chester I., assignor.)
 Chicago Flexible Shaft Company. (See Bodene, John M., assignor.)
 Chicago Handle Bar Company. (See Watters, Frederick L., assignor.)
 Chicago Hardware Foundry Company. (See Gustafson, Axel P., assignor.)
 Chicago Pneumatic Tool Company. (See Callan and MacFadden, assignors.)
 Chicago Pneumatic Tool Company. (See Sherwood, Mather W., assignor.)
 Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)
 Chicago Railway Equipment Company. (See Williams, Charles H., assignor.)
 Chicago Railway Signal and Supply Company. (See Vogel, Eugene W., assignor.)
 Chicago Spring Butt Company. (See Keene, William J., assignor.)
 Chicago Standard Equipment Company. (See Lester, Frederick A., assignor.)
 Chicago Steel Post Co. (See Amberg, Walter E., assignor.)
 Chicago Title & Trust Co., trustee. (See Hansen, Augle L., assignor.)
 Chicago Wholesale Saddlery & Mfg. Co. (See Soper, Charles A., Jr., assignor.)
 Chick, George O., Wirth, Ark. Fish-guard. No. 1,241,708; Oct. 2; v. 243; p. 76.
 Chida, Tony N. (See McCuaig and Chida.)
 Chidley, Joseph, Cleveland, Ohio, assignor to The Dressel Railway Lamp Works. Focusing apparatus for headlights. No. 1,227,528; May 22; v. 238; p. 1294.
 Chige, Isidor, New York, N. Y. Dental broach. No. 1,230,561; June 19; v. 239; p. 818.
 Chilcote, Don W., assignor of one-half to J. H. Herman, Kellihier, Minn. Rail-brace. No. 1,247,506; Nov. 20; v. 244; p. 765.
 Chilcott, Richard, Portland, Oreg. Ship construction. No. 1,229,413; June 12; v. 239; p. 400.
 Child, Gerald A. (See Leslie and Child.)
 Child, Guy B., Chicago, Ill., assignor to American Stove Company, St. Louis, Mo. Cooking-oven. No. 1,211,086; Jan. 2; v. 234; p. 244.
 Childers, Herbert W., Great Bend, Kans. Hay-stacker. No. 1,229,031; June 5; v. 239; p. 221.
 Children, Frank B., assignor to E. Children's Sons Manufacturing Co., Council Bluffs, Iowa. Hog-oiler. No. 1,241,493; Oct. 2; v. 243; p. 6.
 Childress, Henderson P. (See Hales, John F., assignor.)
 Childress, Henderson P., Memphis, Tenn. Bale-buckle. No. 1,240,672; Sept. 18; v. 242; p. 682.
 Childress, Henderson P., assignor to Cotton Buckle and Tag Co., Memphis, Tenn. Bale-buckle. No. 1,219,702; Mar. 20; v. 236; p. 698.
 Childress, Henry T., Hallettsville, Tex. Razor-strop holder. No. 1,243,710; Oct. 23; v. 243; p. 810.
 Childs, Arthur D., North, Bradley, Mich. Shipping-crate. No. 1,242,143; Oct. 9; v. 243; p. 255.
 Childs, Charles R., Chicago, Ill. Combined picture frame and mounting. No. 1,249,328; Dec. 11; v. 245; p. 291.

- Childs, Elmer E., Lyons, N. J. Supporting device. No. 1,228,649; June 5; v. 239; p. 93.
- Childs, Frank H., Stroud, Okla. Non-skid armor. No. 1,243,653; Oct. 16; v. 243; p. 759.
- Chile Exploration Company. (See Monrath, Gustav, assignor.)
- Chile Exploration Company. (See Scott, Arthur P., assignor.)
- Chillicothe Bean Snipper Company, The. (See Killingsworth, Wilber, assignor.)
- Chilson, Elbert V. (See Wehner, Edward, assignor.)
- Chilton, Henry J., Chicago, Ill. Handle mechanism for suitcases and the like. No. 1,233,643; July 17; v. 240; p. 76.
- Chilton, Henry J., Chicago, Ill. Bottle-handling apparatus. No. 1,244,701; Oct. 30; v. 243; p. 1150.
- Chilton, William G., and J. H. Hobgood, Houston, Tex. Armor for pneumatic tires. No. 1,243,040; Oct. 16; v. 243; p. 575.
- Chiniquy, William F., and W. O. Winch, Chicago, Ill. Means for handling rods for hat-drying apparatus. No. 1,249,029; Dec. 4; v. 245; p. 174.
- Chinn, Forrest H. (See Frye, Chinn, and Burnett.)
- Chipman, Louis N. (See Elliott, Henry B., assignor.)
- Chipman, William E., Easton, Pa. Hosiery. No. 1,237,473; Aug. 21; v. 241; p. 695.
- Chisholm, Charles L., Marysville, New Brunswick, Canada, assignor to Chisholm Transmitter & Telephone Instruments Company. Telephone desk set. No. 1,221,678; Apr. 3; v. 237; p. 234.
- Chisholm, Henry, North Randall, Ohio. Automobile-starter. No. 1,246,233; Nov. 13; v. 244; p. 356.
- Chisholm, Thomas F., assignor to A. T. Ferrell & Co., Saginaw, Mich. Belt for speed-varying devices. No. 1,238,494; Aug. 28; v. 241; p. 1057.
- Chisholm Transmitter & Telephone Instruments Company (See Chisholm, Charles L., assignor.)
- Chism, Louis W., Springfield, Mass., assignor, by mesne assignments, to The Rowe Ring-Point Company, Hartford, Conn. Store-service apparatus. No. 1,227,246; May 22; v. 238; p. 1203.
- Chisnall, George. (See Briercliffe and Chisnall.)
- Chittenden, Lister A. (See Cameron, Angus D., assignor.)
- Chittenden, William R., Chicago, Ill. Mechanical movement. No. 1,211,409; Jan. 9; v. 234; p. 388.
- Chivvis, Mark E., Manton, Mich. Valve-port packing. No. 1,215,484; Feb. 13; v. 235; p. 383.
- Chmela, Albert, assignor to Splittdorf Electrical Company, Newark, N. J. Junction-box. No. 1,238,885; Sept. 4; v. 242; p. 53.
- Chmelar, Joseph M., Roy, Mont. Wire-gate-holding device. No. 1,212,905; Jan. 16; v. 234; p. 939.
- Choate, Frank H., Greenville, Ohio. Jack. No. 1,223,561; Apr. 24; v. 237; p. 997.
- Chodakowski, Adolf, Philadelphia, Pa. Burglar-trap. No. 1,221,679; Apr. 3; v. 237; p. 235.
- Chodakowski, Jan, Binghamton, N. Y. Aeroplane. No. 1,238,264; Aug. 28; v. 241; p. 983.
- Chodakowski, Leon, Binghamton, N. Y. Wire-cutting bayonet. No. 1,246,051; Nov. 13; v. 244; p. 302.
- Choitz, Friedrich F., Carneiro, Kans. Multiple horse holder and releaser. No. 1,233,551; July 17; v. 240; p. 733.
- Chojnacki, Stephen. (See Korzeniewski and Chojnacki.)
- Cholet, Leon, New York, N. Y. Safety-chair for window-cleaners. No. 1,224,709; May 1; v. 238; p. 211.
- Choralcelo Company. (See Martin, Harry S., assignor.)
- Choralcelo Company. (See Scuterud, Harold, assignor.)
- Choralcelo Company. (See Severy and Sinclair, assignors.)
- Choralcelo Manufacturing Company. (See Severy and Sinclair, assignors.)
- Chorchos, Stefan, Avoca, Pa. Mill-shoe. No. 1,234,445; July 24; v. 240; p. 1059.
- Chorlton, Alan E. L. (See Ricardo, Harry R., assignor.)
- Choteau, Henry H., assignor of one-fourth to F. R. Wilson, one-fourth to L. Wilson, and one-fourth to O. Smith, Topeka, Kans. Protector for light-globes. No. 1,216,074; Feb. 13; v. 235; p. 598.
- Chovan, Gustave. (See Trood and Chovan.)
- Chrisman, Charles S., West Chester, Pa., assignor to The United Gas Improvement Company, Philadelphia, Pa. Oil-injector for water-gas apparatus. No. 1,238,071; Aug. 21; v. 241; p. 886.
- Chrisman, Herbert H., Minneapolis, Minn. Combination-lock. No. 1,235,515; July 31; v. 240; p. 1420.
- Chrisman, Rufe F., assignor of one-half to E. W. Reed, Nashville, Tenn. Adjustable supporting-base for printing-plates. No. 1,240,315; Sept. 18; v. 242; p. 572.
- Chrisomalis, Theodore P., New York, N. Y. Tire-casing. No. 1,235,877; Aug. 7; v. 241; p. 114.
- Christ, Bernhard B., Brooklyn, N. Y. Coupling for necklaces. No. 1,238,495; Aug. 28; v. 241; p. 1057.
- Christ, Charles E., Tamaqua, Pa. Gravity discharge-gate for separating apparatus. No. 1,213,746; Jan. 23; v. 234; p. 1263.
- Christ, Edward J., Philadelphia, Pa. Amusement device. No. 1,244,702; Oct. 30; v. 243; p. 1151.
- Christen, Joseph C. (See Allen and Christen.)
- Christensen, Anders P., Hempstead, N. Y. Aeroplane construction and the like. No. 1,244,470; Oct. 30; v. 243; p. 1080.
- Christensen, Christ, Denver, Colo. Screen-hanger. No. 1,217,275; Feb. 27; v. 235; p. 1109.
- Christensen, Emil, Portland, Oreg. Tapping device. No. 1,245,088; Oct. 30; v. 243; p. 1267.
- Christensen, Florence, New York, N. Y. Artist's sketching kit. No. 1,221,510; Apr. 3; v. 237; p. 179.
- Christensen, Frederick, assignor of one-half to A. Walbon, Great Falls, Mont. Car-jack. No. 1,249,329; Dec. 11; v. 245; p. 292.
- Christensen, Gunder H., Dewitt, Iowa. Grooved shelving and adjustable bracket. No. 1,234,628; July 24; v. 240; p. 1115.
- Christensen, Hans, Brownsville, Wash. Portable fish-trap. No. 1,213,459; Jan. 23; v. 234; p. 1167.
- Christensen, Jacob V. C. T., Wichita Falls, Tex. Locomotive brake-shoe. No. 1,227,581; May 29; v. 238; p. 1341.
- Christensen, Martin, Racine, Wis. Signature-handling device. No. 1,236,909; Aug. 14; v. 241; p. 477.
- Christensen, Niels A., Milwaukee, Wis. Controlling-valve for self-starters. No. 1,211,410; Jan. 9; v. 234; p. 388.
- Christensen, Niels A., Milwaukee, Wis. Compressed-air starter for internal-combustion engines. No. 1,230,562; June 19; v. 239; p. 818.
- Christensen, Niels C. Jr., assignor, by mesne assignments, to Holt-Christensen Process Company, Salt Lake City, Utah. Apparatus for treating ores and the like. No. 1,231,707; July 3; v. 240; p. 58.
- Christensen, Niels C. Jr., assignor, by mesne assignments, to Holt-Christensen Process Company, Salt Lake City, Utah. Treating ores. No. 1,239,157; Sept. 4; v. 242; p. 140.
- Christenson, George, Jamaica, N. Y., assignor to H. W. Johns-Manville Company. Piston-packing expander. No. 1,222,361; Apr. 10; v. 237; p. 508.
- Christenson, George, Jamaica, N. Y., assignor to H. W. Johns-Manville Company. Piston-packing expander. No. 1,222,362; Apr. 10; v. 237; p. 508.
- Christenson, George, Jamaica, N. Y., assignor to H. W. Johns-Manville Company. Piston-packing expander. No. 1,222,363; Apr. 10; v. 237; p. 509.
- Christian, Edward L., Douglas, Ariz. Phonograph-record cleaner and protector. No. 1,249,720; Dec. 11; v. 245; p. 404.
- Christian, Horace B. (See Cornish, Harry S., assignor.)
- Christian, James H., Detroit, Mich., assignor to Perfection Tire & Rubber Co. Tire. No. 1,228,650; June 5; v. 239; p. 93.
- Christian, Robert W., Manchester, N. C. Mixer and pulverizer. No. 1,230,672; June 19; v. 239; p. 854.
- Christian, Walter E. (See Dimmock and Christian.)
- Christian, William L., and P. Barker, Los Angeles, Cal. Shoe for tires. No. 1,222,070; Apr. 10; v. 237; p. 404.
- Christiansen, Charles, Gelsenkirchen, Germany. Pneumatic tool. No. 1,247,080; Nov. 20; v. 244; p. 643.
- Christiansen, Christian, Sioux Falls, S. D. Automobile-wheel-positioning device. No. 1,225,109; May 8; v. 238; p. 399.
- Christiansen, Christian, Sioux Falls, S. D. Fender-brace. No. 1,240,942; Sept. 25; v. 242; p. 799.
- Christiansen, Heinrich, Pinneberg, Germany. Pneumatically-operated percussion-tool. No. 1,227,117; May 22; v. 238; p. 1160.
- Christiansen, Heinrich, Pinneberg, Germany. Machine for use in transmitting energy by means of alternately-moving air-columns. No. 1,244,955; Oct. 30; v. 243; p. 1223.
- Christianson, Andrew, Butler, assignor to Standard Steel Car Company, Pittsburgh, Pa. Car-roof. No. 1,220,193; Mar. 27; v. 236; p. 907.
- Christianson, Andrew, Butler, assignor to Standard Steel Car Company, Pittsburgh, Pa. Brake-beam. No. 1,235,553; Aug. 7; v. 241; p. 7.
- Christianson, Peter O., Story City, Iowa. Belt stretching and lacing device. No. 1,217,276; Feb. 27; v. 235; p. 1109.
- Christie, Alexander, Seattle, Wash. Hasp-fastener. No. 1,240,316; Sept. 18; v. 242; p. 573.
- Christie Combination Auto Lock Co. (See Christie, John E., assignor.)
- Christie, Harold N. C., Point Pleasant, N. J. Safety signaling. No. 1,227,387; May 22; v. 238; p. 1247.
- Christie, John E., assignor to Christie Combination Auto Lock Co., Salt Lake City, Utah. Permutation-lock. No. 1,236,402; Aug. 14; v. 241; p. 311.
- Christie, Lissa E., Oskaloosa, Iowa. Sewing-machine folding drop-pocket. No. 1,216,945; Feb. 20; v. 235; p. 951.
- Christie, William R., Brooklyn, N. Y. Game. No. 1,218,373; Mar. 6; v. 236; p. 169.
- Christison, Hadley O. (See Christison, William F. and H. O.)
- Christison, William F. and H. O., Kokomo, Ind. Wire-nail machine. No. 1,242,522; Oct. 9; v. 243; p. 374.
- Christman, Daniel H., assignor to J. B. Atkins, Shreveport, La. Reflux-condenser. No. 1,243,384; Oct. 16; v. 243; p. 678.
- Christman, George L. (See Mahoney and Christman.)
- Christman, Henry. (See Ammon, John, assignor.)
- Christman, Matthias, Springfield, Mo. Wheel-hub plate. No. 1,241,343; Sept. 25; v. 242; p. 926.
- Christof, James. (See Papp and Christof.)

- Christoffers, Nicholas H., New York, N. Y. Accumulating and storing energy. No. 1,248,807; Dec. 4; v. 245; p. 113.
- Christofferson, Charles L., Waukegan, Ill. Screw. No. 1,238,636; Aug. 28; v. 241; p. 1103.
- Christofferson, Silas, San Francisco, Cal. Engine jacket and cylinder construction. No. 1,248,808; Dec. 4; v. 245; p. 113.
- Christoph, Emil A., assignor to The King Lock Company, Chicago, Ill. Key-cutting machine. No. 1,243,810; Oct. 23; v. 243; p. 844.
- Christoph, Emil A., assignor to The King Lock Company, Chicago, Ill. Lock. No. 1,244,450; Oct. 23; v. 243; p. 1036.
- Christopher, Calvin F., Canton, N. C. Crib or cradle. No. 1,218,837; Mar. 13; v. 236; p. 370.
- Christopher, Hollis, *et al.* (See Newsom, Joseph N., assignor.)
- Christopherson, William G., Detroit, Mich., assignor to Morgan & Wright. Manufacture of vulcanized plastic articles. No. 1,229,175; June 5; v. 239; p. 269.
- Christy, Charles. (See Hofmann and Christy.)
- Christy, James. (See Wildman and Tinsman, assignors.)
- Christy, Thompson H., and S. K. Hunger, Vandergrift, Pa. Adjustable chain-tightener. No. 1,243,711; Oct. 23; v. 243; p. 810.
- Chriswell, Frederick W., assignor to Seattle Car & Foundry Co., Seattle, Wash. Log-bunk. No. 1,224,275; May 1; v. 238; p. 58.
- Chriswell, Frederick W., assignor to Seattle Car & Foundry Co., Seattle, Wash. Log-bunk. No. 1,224,276; May 1; v. 238; p. 58.
- Chronik, August and L., New York, N. Y. Shutter for cinematographic apparatus. No. 1,223,147; Apr. 17; v. 237; p. 822.
- Chronik, Louis. (See Chronik, August and L.)
- Chryst, William A. (See Kettering and Chryst.)
- Chryst, William A., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Co. Electrical connection. No. 1,224,856; May 1; v. 238; p. 261.
- Chryst, William A., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Engine-starting system. No. 1,226,751; May 22; v. 238; p. 1033.
- Chryst, William A., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Resistance unit for electric circuits. No. 1,227,038; May 22; v. 238; p. 1132.
- Chryst, William A., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Ignition system. No. 1,227,996; May 29; v. 238; p. 1484.
- Chryst, William A., assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,230,864; June 26; v. 239; p. 956.
- Chubb, John H., Halifax township, Dauphin county, Pa. Cultivator. No. 1,218,743; Mar. 13; v. 236; p. 335.
- Chubb, Lewis W., Edgewood Park, Pa. System of water distribution. No. 1,247,374; Nov. 20; v. 244; p. 726.
- Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Circuit-interrupter. No. 1,236,674; Aug. 14; v. 241; p. 401.
- Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Ventilating means for reactance-coils. No. 1,236,675; Aug. 14; v. 241; p. 402.
- Chubb, Lewis W., Edgewood, Pa., assignor to Westinghouse Electric and Manufacturing Company. Thermo-couple. No. 1,241,496; Oct. 2; v. 243; p. 6.
- Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrolytic apparatus. No. 1,250,141; Dec. 18; v. 245; p. 565.
- Chubbie, Harve R., Beloit, Kans., assignor to The Boye Needle Company, Chicago, Ill. Hasp. No. 1,248,078; Nov. 27; v. 244; p. 960.
- Chudomelka, Florian V., Scribner, Nebr. Power transmitting attachment for automobiles. No. 1,244,424; Oct. 23; v. 243; p. 1028.
- Church, Albert B. (See Hunter and Church.)
- Church, Albert B., assignor to Union Manufacturing Company, New Britain, Conn. Chuck. No. 1,219,083; Mar. 13; v. 236; p. 453.
- Church, Albert B., assignor to Union Manufacturing Company, New Britain, Conn. Machine-chuck. No. 1,219,439; Mar. 20; v. 236; p. 606.
- Church, Albert T., Highland Park, assignor to Crystal Machine Company, Detroit, Mich. Operating mechanism for washing-machines. No. 1,214,648; Feb. 6; v. 235; p. 58.
- Church & Dwight. (See Schroeder and Tooker, assignors.)
- Church & Dwight Company. (See Knowlton, MacCorquodale, Wyckoff, Russell, and Tooker, assignors.)
- Church, Edmund T., New Rochelle, and W. E. Webb, Jr., Larchmont, assignors to Reinforced Cravat Corporation, New York, N. Y. Knitted and crocheted article of wearing-apparel. No. 1,219,084; Mar. 13; v. 236; p. 454.
- Church, Frank E., Clintonville, Wis. Steering-knuckle. No. 1,225,110; May 8; v. 238; p. 400.
- Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,224,522; May 1; v. 238; p. 146.
- Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,228,533; June 5; v. 239; p. 55.
- Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,234,290; July 24; v. 240; p. 1006.
- Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,238,105; Aug. 28; v. 241; p. 929.
- Church, Ira M., Auld, Cal. Remedy for the bee disease called the European foul brood. No. 1,242,770; Oct. 9; v. 243; p. 455.
- Church, Joseph W., San Francisco, Cal. Means for recovering stranded ships. No. 1,240,120; Sept. 11; v. 242; p. 471.
- Church, Melvin B., Grand Rapids, Mich. Automobile for collecting and distributing. No. 1,210,762; Jan. 2; v. 234; p. 132.
- Church, U. N., *et al.* (See Goben, Orsinas O., assignor.)
- Church, William H., Superb, Saskatchewan, Canada. Grain-stoker. No. 1,240,823; Sept. 25; v. 242; p. 762.
- Churchia, Stephen, Spokane, Wash. Tie-puller. No. 1,247,224; Nov. 20; v. 244; p. 685.
- Churchill, Charles L., *et al.* (See Phillips, Newton E., assignor.)
- Churchill, Frank B., La Harpe, Ill. Power attachment for washing-machines. No. 1,227,388; May 22; v. 238; p. 1247.
- Churchill, Frank B., La Harpe, Ill. Gearing for washing-machines and other apparatus. No. 1,233,026; July 10; v. 240; p. 524.
- Churchward, Alexander, Boston, Mass., assignor to A-B-C Starter Company, Detroit, Mich. Electrical apparatus. No. 1,224,602; May 1; v. 238; p. 174.
- Churchward, Alexander, Boston, Mass., assignor to A-B-C Starter Company, Detroit, Mich. Starting and generating system for automobiles. No. 1,247,793; Nov. 27; v. 244; p. 882.
- Churchward, James, Lakeville, Conn. Alloy. No. 1,251,341; Dec. 25; v. 245; p. 972.
- Chute, Harry O., New York, N. Y., assignor to K. P. McElroy, Washington, D. C. Wood distillation. No. 1,250,282; Dec. 18; v. 245; p. 608.
- Chylewski, Witold, Lemberg, Austria. Automatic pistol. No. 1,224,902; May 8; v. 238; p. 329.
- Chynoweth, Henry W., Pasadena, Cal. Gasoline tank and filter. No. 1,235,438; July 31; v. 240; p. 1395.
- Ciaffone, James, Long Island City, N. Y. Mechanical toy. No. 1,217,704; Feb. 27; v. 235; p. 1261.
- Ciaffone, Lorenzo, New York, N. Y. Non-skidable tire-guard. No. 1,221,511; Apr. 3; v. 237; p. 180.
- Ciapetti, Gino, Rome, Italy. Method and apparatus for producing dealcoholized fermented beverages. No. 1,243,811; Oct. 23; v. 243; p. 844.
- Cibulka, George A. (See Randle, Harry T., assignor.)
- Cid, Cesar J., Quebec, Quebec, Canada. Thermostatic fire-alarm. No. 1,215,485; Feb. 13; v. 235; p. 383.
- Cie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz. (See Heeley, George, assignor.)
- Ciesla, John. (See Becker and Ciesla.)
- Cieslik, Antoni, Lorain, Ohio. Nethergarment. No. 1,225,578; May 8; v. 238; p. 558.
- Cigar Vender Sales Company. (See Robinson, Jesse T., assignor.)
- Cigol, Frank A., Little Falls, N. J. Forming articles of sheet-rubber. No. 1,249,030; Dec. 4; v. 245; p. 175.
- Cihak, Alois. (See Aurich and Cihak.)
- Cilley, Percy L., La Crosse, Wis. Eraser. No. 1,237,474; Aug. 21; v. 241; p. 695.
- Cincinnati Can Company, The. (See Miller, John C., assignor.)
- Cincinnati Galvanizing Company, The. (See Fluharty, Allan M., assignor.)
- Cincinnati Galvanizing Company, The. (See Schott, George M., assignor.)
- Cincinnati Galvanizing Company, The. (See Schott, Louis, assignor.)
- Cincinnati Lathe and Tool Company, The. (See Hager and Thiel, assignors.)
- Cincinnati Milling Machine Company, The. (See Hazelton and Vockell, assignors.)
- Cincinnati Pulley Machinery Company. (See Hey, John G., assignor.)
- Cino Camera Company. (See Pletzsich, Richard H., assignor.)
- Cinq-Mars, Legendre, assignor to Conservative Heating Company, San Francisco, Cal. Electromagnetic valve. No. 1,216,658; Feb. 20; v. 235; p. 855.
- Cinq-Mars, Legendre, assignor to Conservative Heating Company, San Francisco, Cal. Water-heater. No. 1,216,659; Feb. 20; v. 235; p. 855.
- Cipra, William J., Cleveland, Ohio. Collar. No. 1,239,563; Sept. 11; v. 242; p. 297.
- Cipri, Andrew, New York, N. Y. Milk-bottle holder. No. 1,249,330; Dec. 11; v. 245; p. 292.
- Cirabolo, Charles. (See Biondo, Philip L., assignor.)
- Cirac, Charles P., Stillwater, Nev. Safety reverse-movement lock for automobiles. No. 1,237,169; Aug. 14; v. 241; p. 559.
- Cirillo, Loretta A., New York, N. Y. Corset. No. 1,226,308; May 15; v. 238; p. 852.
- Cisco, George W., and J. E. Hall, Fremont township, Butler county, Iowa. Ensilage-tamping device for silos. No. 1,214,896; Feb. 6; v. 235; p. 144.

- Ciselet, Edgard, and C. Deguide, Brussels, Belgium. Treatment of natural calcium phosphate. No. 1,214,008; Jan. 30; v. 234; p. 1384.
- Cities Illuminating Company. (See Riefner, Henry L., assignor.)
- Citizens Savings and Trust Co., The, executor. (See Glauber, Joseph H.)
- Citroen, André, assignor to Société Anonyme Des Engrenages Citroen, Paris, France. Submarine steering apparatus. No. 1,213,153; Jan. 23; v. 234; p. 1058.
- City of New York, The. (See Grant, Taylor B., assignor.)
- Cizenfeld, Charles. (See Hecht and Cizenfeld.)
- Clack, William A., Maryneal, Tex. Wire-stretcher. No. 1,218,744; Mar. 13; v. 236; p. 335.
- Clafin, Austin L., London, England. Type-writer cover. No. 1,235,554; Aug. 7; v. 241; p. 8.
- Claiborne, Alexander, Palms, Cal. Rivet-sticker. No. 1,230,563; June 19; v. 239; p. 819.
- Clairain, Louis M., and O. J. Suares, New Orleans, La. Sugar-separating machine. No. 1,217,705; Feb. 27; v. 235; p. 1262.
- Clairemont, Victor, Petaluma, Cal. Apparatus for treating eggs. No. 1,224,710; May 1; v. 238; p. 212.
- Clairemont, Victor, San Francisco, Cal. Apparatus for preserving eggs. No. 1,224,711; May 1; v. 238; p. 212.
- Clampitt, Loren O. (See Newman, Harry C., assignor.)
- Clampitt, William H., London, Ontario, Canada. Fire-proof shutter. No. 1,234,873; July 31; v. 240; p. 1224.
- Clanton, Estelle, administratrix. (See Clanton, William A.)
- Clanton, William A., deceased; E. Clanton, administratrix, assignor of one-half to E. Viator, Eunice, La. Adjustable utility dasher. No. 1,244,956; Oct. 30; v. 243; p. 1228.
- Clanton, William A., and R. K. Cox, Wood, Va. Wire-stretcher. No. 1,231,493; June 26; v. 239; p. 1167.
- Clapp, Albert L., Braintree, Mass. Cork and leather substitute and making the same. No. 1,218,982; Mar. 13; v. 236; p. 420.
- Clapp, Arthur W., New York, N. Y., assignor to F. E. Mix, Minneapolis, Minn. Envelop. No. 1,236,403; Aug. 14; v. 241; p. 311.
- Clapp, John T., et al. (See McKenzie, John L., assignor.)
- Clapp, Theodore V., Springfield, Mass. Rat-trap. No. 1,234,629; July 24; v. 240; p. 1116.
- Clapper, Lyle, Two Harbors, Minn. Loading-hopper. No. 1,222,603; Apr. 17; v. 237; p. 635.
- Clapperton, Alexander, Yonkers, N. Y., assignor to American Warp Drawing Machine Company. Mechanism for handling tuft-yarns for carpet-loom. No. 1,235,654; Aug. 7; v. 241; p. 41.
- Clare, Charles E., Glenellyn, assignor to Sharp & Smith, Chicago, Ill. Artificial-anus apparatus. No. 1,217,567; Feb. 27; v. 235; p. 1213.
- Clare, James P., Newton, Mass. Ecraseur or such like instrument. No. 1,225,771; May 15; v. 238; p. 666.
- Claremont, Ernest A. (See Beaver and Claremont.)
- Claremont, Ernest A. (See Tanner and Claremont.)
- Clarinda Lawn Mower Company. (See Dinkel, Andrew J., assignor.)
- Clark, Albert C. S., assignor of one-half to W. Mosedale, St. Petersburg, Fla. Hose-coupling. No. 1,233,644; July 17; v. 240; p. 764.
- Clark, Albert O., Brazil, Ind. Corn-plow. No. 1,245,871; Nov. 6; v. 244; p. 221.
- Clark, Allison N., Plainville, Conn. Manicuring device. No. 1,219,626; Mar. 20; v. 236; p. 671.
- Clark Car Company. (See Clark, Charles H., assignor.)
- Clark, Charles, assignor to Cap-Hold, Incorporated, New York, N. Y. Cap-retainer for deformable tubes, &c. No. 1,210,599; Jan. 2; v. 234; p. 76.
- Clark, Charles, assignor to Cap-Hold, Incorporated, New York, N. Y. Cap-retainer for deformable tubes. No. 1,210,600; Jan. 2; v. 234; p. 76.
- Clark, Charles, and J. Manning, San Francisco, Cal. Freight-car. No. 1,229,714; June 12; v. 239; p. 500.
- Clark, Charles C., Buffalo, N. Y. Rolling-stock. No. 1,240,673; Sept. 18; v. 242; p. 682.
- Clark, Charles H., Westfield, Mass. Whip construction. No. 1,250,561; Dec. 18; v. 245; p. 692.
- Clark, Charles H., Crafton, Pa., assignor to Clark Car Company, Pittsburgh, Pa. Tilting side-dump car. No. 1,223,031; Apr. 17; v. 237; p. 782.
- Clark, Charles H., Crafton, assignor to Clark Car Company, Pittsburgh, Pa. Dump-car. No. 1,223,148; Apr. 17; v. 237; p. 823.
- Clark, Charles H., Crafton, and H. L. Beach, Edgewood, Pa. Dump-truck. No. 1,220,727; Mar. 27; v. 236; p. 1093.
- Clark, Charles H., Crafton, and H. L. Beach, Edgewood, Pa. Dump-truck. No. 1,220,728; Mar. 27; v. 236; p. 1093.
- Clark, Charles T. (See Huston, Roy L., assignor.)
- Clark, David A., Baltimore, Md. Metal-rolling machine. No. 1,212,325; Jan. 16; v. 234; p. 737.
- Clark, David M., Phoenix, Ariz. Electric oxidizer. No. 1,249,597; Dec. 11; v. 245; p. 368.
- Clark, Dudley B., Bemus Point, N. Y. Electric water-heater and automatic control. No. 1,214,757; Feb. 6; v. 235; p. 96.
- Clark, Edgar H., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Automatic telephone system. No. 1,245,436; Nov. 6; v. 244; p. 88.
- Clark, Edward F., assignor to W. G. Clark & Company, North Attleboro, Mass. Chain. No. 1,214,135; Jan. 30; v. 234; p. 1427.
- Clark, Edward L. C., Taunton, Mass., assignor to The Miehle Printing Press & Manufacturing Company, Chicago, Ill. Blanket-clamp for offset-presses. No. 1,215,344; Feb. 13; v. 235; p. 334.
- Clark, Edward L. C., Taunton, Mass., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Ink-fountain for printing-presses. No. 1,231,567; July 3; v. 240; p. 9.
- Clark, Edward W., assignor of one-half to A. Wells, Los Angeles, Cal. Composite piston. No. 1,221,419; Apr. 3; v. 237; p. 147.
- Clark, Edward W., assignor of one-half to A. Wells, Los Angeles, Cal. Cylinder-grinding machine. No. 1,244,703; Oct. 30; v. 243; p. 1151.
- Clark, Edwin W., assignor to Photo Motion Company, Kansas City, Mo. Segment for motion-picture shutters. No. 1,233,186; July 10; v. 240; p. 577.
- Clark, Elmer A., Joliet, Ill. Leaf loading and spacing device. No. 1,237,299; Aug. 21; v. 241; p. 638.
- Clark, Emerson L., Lakewood, assignor to National Carbon Company, Cleveland, Ohio. Incandescent light for projection apparatus. No. 1,221,418; Apr. 3; v. 237; p. 146.
- Clark, Emerson L., Lakewood, Ohio, assignor to National Carbon Company. Compression-rheostat. No. 1,222,182; Apr. 10; v. 237; p. 445.
- Clark, Emerson L., Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Battery-tester. No. 1,231,708; July 3; v. 240; p. 58.
- Clark, Emerson L., Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Battery-tester. No. 1,244,425; Oct. 23; v. 243; p. 1028.
- Clark, Emery E., Oskaloosa, Kans. Power-transmitting mechanism. No. 1,244,426; Oct. 23; v. 243; p. 1028.
- Clark Equipment Company. (See Clark and Burrows, assignors.)
- Clark, Erving D., Syracuse, N. Y. Means for converting kerosene-oil into explosive gas for internal-combustion engines. No. 1,211,087; Jan. 2; v. 234; p. 244.
- Clark, Eugene B., Chicago, Ill., and R. J. Burrows, assignors, by mesne assignments, to Clark Equipment Company, Buchanan, Mich. Metal wheel. No. 1,246,052; Nov. 13; v. 244; p. 302.
- Clark, Everett, Economy, Ind. Post-anchor. No. 1,218,238; Mar. 6; v. 236; p. 123.
- Clark, Ewen A., Revere, Mass. Torpedo-net. No. 1,240,317; Sept. 18; v. 242; p. 573.
- Clark, Ezra C. (See Bornmann and Clark.)
- Clark, Ezra E., Newtonville, Mass. Valve-indicator. No. 1,235,767; Aug. 7; v. 241; p. 77.
- Clark, Francis C., Kansas City, Kans. Shoe-brush. No. 1,237,475; Aug. 21; v. 241; p. 695.
- Clark, Frank, assignor of one-half to W. Wetton, Throop, Pa. Aeronautical machine. No. 1,233,982; July 17; v. 240; p. 872.
- Clark, Frank H., and J. M. Coffey, assignors to Chambers Valve Company, New York, N. Y. Throttle-valve. No. 1,220,729; Mar. 27; v. 236; p. 1094.
- Clark, Frank H., and J. M. Coffey, assignors to Chambers Valve Company, New York, N. Y. Throttle-valve. No. 1,242,880; Oct. 9; v. 243; p. 489.
- Clark, Frank H., and J. M. Coffey, assignors to Chambers Valve Company, New York, N. Y. Stuffing-box. No. 1,243,712; Oct. 23; v. 243; p. 811.
- Clark, Frank H., and J. M. Coffey, assignors to Chambers Valve Company, New York, N. Y. Stuffing-box. No. 1,247,642; Nov. 27; v. 244; p. 835.
- Clark, Franklin D., National Home, Wis. Drinking-fountain attachment. No. 1,229,715; June 12; v. 239; p. 500.
- Clark, Franklin S., Dallas, Tex. Surveying instrument. No. 1,239,083; Sept. 4; v. 242; p. 116.
- Clark, Frederic B. (See Kronenberger, Ferdinand, assignor.)
- Clark, Frederick S. (See Dye and Clark.)
- Clark, Fredrick F., Alameda, assignor to Alaska Packers Association, San Francisco, Cal. Feed for sheet-slitting machines. No. 1,232,459; July 3; v. 240; p. 305.
- Clark, Fredrick F., Alameda, assignor to Alaska Packers' Association, San Francisco, Cal. Feeding mechanism for can-body blanks. No. 1,236,054; Aug. 7; v. 241; p. 171.
- Clark, George, assignor to Wolf, Sayer & Heller, Chicago, Ill., a Corporation. Expansion-valve. No. 1,218,745; Mar. 13; v. 236; p. 336.
- Clark, George C., Mishawaka, Ind. Molding apparatus. No. 1,210,420; Jan. 2; v. 234; p. 14.
- Clark, George C., Mishawaka, Ind. Molding apparatus. No. 1,210,421; Jan. 2; v. 234; p. 15.
- Clark, George C., assignor to C. F. Ferguson and H. C. Woodruff, trustees, Detroit, Mich. Swinging stop for slidable hinged sashes. No. 1,249,331; Dec. 11; v. 245; p. 292.
- Clark, George H., Cambridge, assignor to Crosby Steam Gage & Valve Company, Boston, Mass. Safety-valve. No. 1,222,071; Apr. 10; v. 237; p. 404.
- Clark, George H., Cambridge, assignor to Crosby Steam Gage & Valve Company, Boston, Mass. Safety-valve. No. 1,231,330; June 26; v. 239; p. 1114.

Alphabetical list of patentees—Continued.

- Clark, George H., Cambridge, assignor to Crosby Steam Gage & Valve Company, Boston, Mass. Safety-valve. No. 1,233,752; July 17; v. 240; p. 797.
- Clark, George S., Oildfields, Cal. Muller for internal-combustion engines. No. 1,225,927; May 15; v. 238; p. 718.
- Clark, George W., Jacksonville, Fla. Portable shelf. No. 1,238,637; Aug. 28; v. 241; p. 1103.
- Clark, Gordon H. (See Henry, Edward P., assignor.)
- Clark, Hector M., et al. (See Osser, Percy S., assignor.)
- Clark, Horace E., Kirkwood, Ga. Portable blower. No. 1,234,446; July 24; v. 240; p. 1059.
- Clark, Horace F. (See Rittenhouse, Irvin, assignor.)
- Clark, Horace F., Washington, D. C. Paper-fastener. No. 1,233,983; July 17; v. 240; p. 872.
- Clark, Horace N., Regina, Saskatchewan, Canada, assignor to International Harvester Company of New Jersey. Hitch. No. 1,237,616; Aug. 21; v. 241; p. 741.
- Clark, Hubert D., Columbus, Ohio. Grave-vault. No. 1,230,115; June 19; v. 239; p. 669.
- Clark, Hugh. (See Bacon, Brooks, and Clark.)
- Clark, Hubert S., et al. (See Moore, Perry M., assignor.)
- Clark, James M., assignor of one-fifth to D. Guerry, Macon, Ga. Electric railway. No. 1,211,088; Jan. 2; v. 234; p. 245.
- Clark, James M., 3d, Bridgeport, Conn. Floating spindle-bearing. No. 1,229,414; June 12; v. 239; p. 400.
- Clark, James V., Davis, W. Va. Mine-car. No. 1,211,089; Jan. 2; v. 234; p. 245.
- Clark, Jay T., and F. E. Ross, Milan, Mich. Kerosene-carburetor. No. 1,236,267; Aug. 7; v. 241; p. 237.
- Clark, Joel B., Bancroft, Iowa. Trench-filling machine. No. 1,212,906; Jan. 16; v. 234; p. 940.
- Clark, John A., and C. H. Coon, assignors to themselves and S. J. McNamara, Brooklyn, N. Y. Air-moistener for steam-containers. No. 1,247,375; Nov. 20; v. 244; p. 726.
- Clark, John L., Putney, S. D. Threshing-machine. No. 1,221,145; Apr. 3; v. 237; p. 50.
- Clark, Joseph G., Bullard, Tex. Wire-stretcher. No. 1,214,136; Jan. 30; v. 234; p. 1427.
- Clark, Laura A., Longview, Tex. Milking device and antikicker. No. 1,244,175; Oct. 23; v. 243; p. 952.
- Clark, Le Roy, Englewood, N. J. Electric cable. No. 1,231,568; July 3; v. 240; p. 9.
- Clark, Mason E., Seattle, Wash. Work-holder. No. 1,231,533; June 26; v. 239; p. 1179.
- Clark, Melville, Chicago, Ill. Vehicle-wheel tire. No. 1,215,486; Feb. 13; v. 235; p. 384.
- Clark, Melville, Chicago, Ill., assignor to Melville Clark Piano Company. Air-motor-governing device. No. 1,229,586; June 12; v. 239; p. 458.
- Clark, Melville, Chicago, Ill., assignor to Melville Clark Piano Company. Drive mechanism for combined phonographs and player-pianos. No. 1,246,053; Nov. 13; v. 244; p. 302.
- Clark, Melville, assignor to Melville Clark Piano Company, Chicago, Ill. Air-motor. No. 1,230,995; June 26; v. 239; p. 1001.
- Clark, Melville, assignor to Melville Clark Piano Company, Chicago, Ill. Phonograph-tone-arm joint. No. 1,240,943; Sept. 25; v. 242; p. 800.
- Clark, Morton, Seattle, Wash. Poultry drinking-fountain. No. 1,210,601; Jan. 2; v. 234; p. 76.
- Clark, Myron H., Hastings-upon-Hudson, N. Y., assignor to Boston Rubber Shoe Company. Vulcanizing apparatus. No. 1,215,910; Feb. 13; v. 235; p. 538.
- Clark, Myron H., Hastings-upon-Hudson, N. Y., assignor to The Goodyear's Metallic Rubber Shoe Company. Machine for treating sheet-rubber. No. 1,226,949; May 22; v. 238; p. 1100.
- Clark, Myron H., Malden, Mass., assignor to The Goodyear's Metallic Rubber Shoe Company. Machine for making rubber goods. No. 1,218,983; Mar. 13; v. 236; p. 420.
- Clark, Nelson D., assignor to Union Special Machine Company, Chicago, Ill. Presser-foot for sewing-machines. No. 1,247,081; Nov. 20; v. 244; p. 643.
- Clark, Nicholas H. E., Oakland, Cal. Variable-speed-transmission gearing. No. 1,250,967; Dec. 25; v. 245; p. 862.
- Clark, Norris E., Plainville, Conn. Metal corner-bead. No. 1,212,740; Jan. 16; v. 234; p. 884.
- Clark, Norris E., Plainville, Conn. Expanded-metal manufacture. No. 1,224,104; Apr. 24; v. 237; p. 1185.
- Clark, Norris E., Plainville, Conn. Metal-working machine. No. 1,224,523; May 1; v. 238; p. 146.
- Clark, Norris E., Plainville, Conn. Metal-working. No. 1,224,877; May 1; v. 238; p. 269.
- Clark, Oberlin S., North Weymouth, Mass. Reinforced-concrete building construction. No. 1,231,240; June 26; v. 239; p. 1084.
- Clark, Oberlin S., North Weymouth, Mass. Reinforced-concrete building construction. No. 1,249,031; Dec. 4; v. 245; p. 175.
- Clark, Oscar W. (See Winnega, Alouis L., assignor.)
- Clark, Paul A., Rochester, Pa. Adding-machine. No. 1,245,437; Nov. 6; v. 244; p. 88.
- Clark, Paul L., Brooklyn, N. Y. Projection-machine illumination. No. 1,248,456; Dec. 4; v. 245; p. 8.
- Clark, Raymond P., Rochester, N. Y. Cover for fruit. No. 1,230,865; June 26; v. 239; p. 957.
- Clark, Robert, assignor to Bridgeport Brass Company, Bridgeport, Conn. Drain for sinks. No. 1,224,603; May 1; v. 238; p. 174.
- Clark, Robert, assignor to Bridgeport Brass Company, Bridgeport, Conn. Sink-drain. No. 1,224,712; May 1; v. 238; p. 212.
- Clark, Robert C., Salt Lake City, Utah. Combination coal and wood heating-stove. No. 1,223,768; Apr. 24; v. 237; p. 1070.
- Clark, Robert G., Brooklyn, N. Y. Sheet-feeding mechanism. No. 1,225,410; May 8; v. 238; p. 502.
- Clark, Robert G., New York, N. Y. Brush-holder. No. 1,226,309; May 15; v. 238; p. 852.
- Clark, Robert G., New York, N. Y. Fastening device. No. 1,226,310; May 15; v. 238; p. 853.
- Clark, Robert L., Union, W. Va. Coal-hod. No. 1,217,706; Feb. 27; v. 235; p. 1262.
- Clark, Rufus B., Liberty Center, Ind. Door for silos. No. 1,211,287; Jan. 2; v. 234; p. 314.
- Clark, Sam H., et al. (See Johnston, Clarence S., assignor.)
- Clark, Seth W., Findlay, Ohio. Sand-valve for deep-well pumps. No. 1,212,454; Jan. 16; v. 234; p. 780.
- Clark, Stuart J., assignor of one-eighth to O. A. Wine-man, one-eighth to H. Harris, one-eighth to C. Brenner, one-eighth to C. E. Ogg, one-eighth to D. T. Queen, and one-eighth to L. J. Foster, Auburn, Ill. Armored vehicle. No. 1,213,074; Jan. 16; v. 234; p. 997.
- Clark, Thomas E. (See Julian, Hovey, and Clark, assignors.)
- Clark, Thomas E., Detroit, Mich. Track apparatus for indicating the movements of railway-trains. No. 1,242,144; Oct. 9; v. 243; p. 255.
- Clark, Thomas E., and E. A. Lueky, Detroit, Mich. Circuit-controlling device. No. 1,236,543; Aug. 14; v. 241; p. 358.
- Clark, Thomas M., and F. C. Plunges, Minneapolis, Minn. Adjustable delivery-table frame. No. 1,245,682; Nov. 6; v. 244; p. 161.
- Clark, Vivian V., Tucson, Ariz. Placer-mining machine. No. 1,215,345; Feb. 13; v. 235; p. 335.
- Clark, Walter G., New York, N. Y. Covering material for aircraft and making said material. No. 1,243,041; Oct. 16; v. 243; p. 576.
- Clark, Walter G., New York, N. Y. Making covering material for aircraft. No. 1,243,654; Oct. 16; v. 243; p. 759.
- Clark, Walter G., New York, N. Y. Making covering material for aircraft. No. 1,243,655; Oct. 16; v. 243; p. 759.
- Clark, Warren L., New York, N. Y. Changeable sign. No. 1,229,716; June 12; v. 239; p. 501.
- Clark, Wilbert E., Toronto, Ontario, Canada. Temperature-booster for hot-water heating systems. No. 1,213,460; Jan. 23; v. 234; p. 1167.
- Clark, William C., St. Louis, Mo. Box-coupling. No. 1,248,423; Nov. 27; v. 244; p. 1058.
- Clark, William F. (See Wilson and Clark.)
- Clark, William G., Sunset, Idaho. Sleigh attachment for vehicles. No. 1,232,222; July 3; v. 240; p. 230.
- Clark, William O. (See Fadget and Clark.)
- Clark, William T., Beloit, Wis. Dressing piston-rings and apparatus therefor. No. 1,219,440; Mar. 20; v. 236; p. 606.
- Clarke, Albert R., Sheridan, Wyo., assignor to Clarke Electric Heater Company. Radiator-heater. No. 1,227,529; May 22; v. 238; p. 1294.
- Clarke, Alexander F., Pittsburgh, Pa. Ingot-mold and ingot produced thereby. No. 1,224,277; May 1; v. 238; p. 58.
- Clarke, Bruce A., Buffalo, N. Y. Candelabrum. No. 1,247,376; Nov. 20; v. 244; p. 727.
- Clarke, Charles E., and J. S. Delaney, assignors of one-third to C. E. Clarke, Winthrop, and two-thirds to J. Robertson, Woburn, Mass. Machine for grading and sorting leather. No. 1,243,260; Oct. 16; v. 243; p. 641.
- Clarke, Charles J., Kingsburg, Cal. Landside-shoe for plows. No. 1,246,393; Nov. 13; v. 244; p. 405.
- Clarke, Charles W. E., Brookline, Mass. Cooling-tower. No. 1,235,291; July 31; v. 240; p. 1352.
- Clarke, Edgar J., assignor to Bath-tub Foot-Rest Corporation, New York, N. Y. Bath-tub foot-rest. No. 1,232,223; July 3; v. 240; p. 230.
- Clarke, Edward W., Wilmington, Del. Apparatus for molding link chains. No. 1,228,534; June 5; v. 239; p. 55.
- Clarke Electric Heater Company. (See Clarke, Albert R., assignor.)
- Clarke, Frederick F., assignor to Colburn Machine Tool Company, Franklin, Pa. Drill-press. (Reissue.) No. 14,327; July 17; v. 240; p. 910.
- Clarke, Harry D., assignor to Efficiency Motor Corporation, Omaha, Neb. Racing-vehicle. No. 1,214,897; Feb. 6; v. 235; p. 144.
- Clarke, James A., Devon, Pa. Instrument. No. 1,222,525; Apr. 10; v. 237; p. 565.
- Clarke, John Q., Crawfordsville, Ind. Self-serving hog-trough. No. 1,234,731; July 31; v. 240; p. 1182.
- Clarke, John T. (See Hillman, Henry G., assignor.)
- Clarke, John T. (See Ward, Samuel M., Jr., assignor.)
- Clarke, Mary A., Trenton, N. J. Foot-dress. No. 1,227,750; May 29; v. 238; p. 1399.

- Clarke, Mary H., *nee* Ashton, and D. Maggiora, Paris, France. Apparatus for dispelling aeroplanes and the like. No. 1,219,703; Mar. 20; v. 236; p. 698.
- Clarke, Ralph S., East Walpole, Mass., assignor to Bird Machine Company. Pulp-screen. No. 1,210,905; Jan. 2; v. 234; p. 182.
- Clarke, Ralph S., East Walpole, Mass., assignor to Bird Machine Company. Pulp-screen. No. 1,210,906; Jan. 2; v. 234; p. 182.
- Clarke, Ralph S., East Walpole, Mass., assignor to Bird Machine Company. Save-all. No. 1,210,907; Jan. 2; v. 234; p. 182.
- Clarke, Syc C. (See Turner, Whitehead, and Clarke.)
- Clarkson, Ralph P., assignor to International Stream Flow Turbine Company, Limited, Wolfville, Nova Scotia, Canada. Hydraulic current-motor. No. 1,237,868; Aug. 21; v. 241; p. 820.
- Clarkson, Thomas A. (See Kirchhofer, August, assignor.)
- Clary, Francis W. (See Bissell and Clary.)
- Clary, William, Goldendale, Wash. Dirigible headlight for automobiles. No. 1,233,027; July 10; v. 240; p. 525.
- Clas, Angelo R., Sheboygan Falls, Wis. Multiple-cylinder gas-engine. No. 1,230,116; June 19; v. 239; p. 670.
- Clas, Angelo R., assignor to Falls Machine Company, Sheboygan Falls, Wis. Glue-jointer adjustment. No. 1,230,379; June 19; v. 239; p. 756.
- Clasen, Emil M., Chicago, Ill. Multiple-disk talking-machine. No. 1,243,385; Oct. 16; v. 243; p. 678.
- Clasen, Henry, and C. Noesler, Mindoro, Wis. Windmill-coupling. No. 1,245,683; Nov. 6; v. 244; p. 164.
- Class, John F., Dayton, Ohio. Medicinal-vapor generating and fumigating apparatus. No. 1,223,032; Apr. 17; v. 237; p. 782.
- Classen, Henry. (See Leicht, Louis, assignor.)
- Claude, Georges, Boulogne-sur-Seine, France. Neon-tube. No. 1,231,494; June 26; v. 239; p. 1167.
- Claude, Georges, assignor to Societe L'Air Liquide, (Societe Anonyme Pour L'Etude Et L'Exploitation Des Procédes Georges Claude), Paris, France. Separation of the constituents of gaseous mixtures. No. 1,212,455; Jan. 16; v. 234; p. 781.
- Claude, Georges, assignor to Societe L'Air Liquide (Societe Anonyme Pour L'Etude Et L'Exploitation Des Procédes Georges Claude), Paris, France. Purification of gases. No. 1,212,456; Jan. 16; v. 234; p. 781.
- Claude, Horace, Clarkstown, Ottawa, and O. Lacombe, Ottawa, Ontario, Canada. Automobile-indicator. No. 1,240,176; Sept. 18; v. 242; p. 527.
- Clauder, Arthur W., and S. T. Cole, Bridgeport, Conn. Tuning-pin for piano-strings. No. 1,233,552; July 17; v. 240; p. 733.
- Claus & Co. (See Wray, Edward, assignor.)
- Claus, Emil A., assignor to Public Service Cup Company, Brooklyn, N. Y. Vending-machine. No. 1,239,884; Sept. 11; v. 242; p. 401.
- Claus, Emil L., Milwaukee, Wis. Cock. No. 1,225,012; May 8; v. 238; p. 367.
- Clausen, Carl, Bisbee, Ariz. Pull-switch for electric mine-signals. No. 1,217,707; Feb. 27; v. 235; p. 1262.
- Clausen, Henry P., Mount Vernon, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,210,602; Jan. 2; v. 234; p. 76.
- Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Calling device. No. 1,210,603; Jan. 2; v. 234; p. 77.
- Clausen, Henry P., Mount Vernon, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone switching system. No. 1,214,511; Feb. 6; v. 235; p. 9.
- Clausen, Henry P., Mount Vernon, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone switching system. No. 1,214,512; Feb. 6; v. 235; p. 10.
- Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. No. 1,215,487; Feb. 13; v. 235; p. 384.
- Clausen, Henry P., Mount Vernon, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Call-distributing system. No. 1,215,911; Feb. 13; v. 235; p. 538.
- Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Testing arrangement. No. 1,220,607; Mar. 27; v. 236; p. 1054.
- Clausen, Henry P., Mount Vernon, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone signaling system. No. 1,221,140; Apr. 3; v. 237; p. 48.
- Clausen, Henry P., Mount Vernon, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Connecting-circuit for telephone switching systems. No. 1,222,364; Apr. 10; v. 237; p. 509.
- Clausen, Henry P., Mount Vernon, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone system. No. 1,223,937; Apr. 24; v. 237; p. 1129.
- Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic testing system. No. 1,224,140; May 1; v. 238; p. 9.
- Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Terminal bank. No. 1,226,947; May 22; v. 238; p. 1100.
- Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,227,582; May 29; v. 238; p. 1341.
- Clausen, Henry P., Mount Vernon, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,230,117; June 19; v. 239; p. 670.
- Clausen, Henry P., Mount Vernon, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,230,564; June 19; v. 239; p. 819.
- Clausen, Henry P., Mount Vernon, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,230,565; June 19; v. 239; p. 820.
- Clausen, Henry P., Mount Vernon, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,230,566; June 19; v. 239; p. 820.
- Clausen, Henry P., Mount Vernon, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telegraph system. No. 1,232,224; July 3; v. 240; p. 231.
- Clausen, Henry P., Mount Vernon, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Call-distributing system. No. 1,232,496; July 10; v. 240; p. 353.
- Clausen, Henry P., Mount Vernon, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,232,497; July 10; v. 240; p. 353.
- Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic testing system. No. 1,232,498; July 10; v. 240; p. 354.
- Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Electric signaling system. No. 1,232,499; July 10; v. 240; p. 354.
- Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical testing system. No. 1,237,477; Aug. 21; v. 241; p. 696.
- Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic switch. No. 1,238,106; Aug. 28; v. 241; p. 930.
- Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Impulse-sending device. No. 1,238,107; Aug. 28; v. 241; p. 930.
- Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,238,265; Aug. 28; v. 241; p. 983.
- Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,241,923; Oct. 2; v. 243; p. 146.
- Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,242,655; Oct. 9; v. 243; p. 418.
- Clausen, Henry P., Mount Vernon, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Circuit-controlling device. No. 1,243,261; Oct. 16; v. 243; p. 641.
- Clausen, Henry P., Mount Vernon, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,245,438; Nov. 6; v. 244; p. 88.
- Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,246,545; Nov. 13; v. 244; p. 450.
- Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. No. 1,246,546; Nov. 13; v. 244; p. 450.
- Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,246,547; Nov. 13; v. 244; p. 451.
- Clausen, Henry P., Mount Vernon, N. Y., assignor to Western Electric Company, Incorporated. Testing arrangement for telephone-exchange systems. No. 1,246,548; Nov. 13; v. 244; p. 451.
- Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,246,881; Nov. 20; v. 244; p. 535.
- Clausen, Henry P., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. No. 1,246,882; Nov. 20; v. 244; p. 536.
- Clausen, Henry P., Mount Vernon, and C. L. Goodrum, assignors to Western Electric Company, Incorporated, New York, N. Y. Electrical testing system. No. 1,237,476; Aug. 21; v. 241; p. 695.
- Clauser, Milton, Salt Lake City, Utah. Hatchet-sheath. No. 1,215,251; Feb. 6; v. 235; p. 268.
- Clausing, George, assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. No. 1,242,145; Oct. 9; v. 243; p. 256.

Alphabetical list of patentees—Continued.

- Clausing, George, assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. No. 1,242,146; Oct. 9; v. 243; p. 250.
- Clausing, George, assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. No. 1,242,147; Oct. 9; v. 243; p. 256.
- Clausing, Louis F. (See Wentworth and Clausing.)
- Clausius, Albert, Dessau in Anhalt, B. Schöner, Baracken-lager Rothemark, near Wittenberg, and O. Siebert, Dessau in Anhalt, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Disazo dyes. No. 1,213,075; Jan. 16; v. 234; p. 998.
- Claussen, Edward E., Hartford, Conn. Hat. No. 1,250,968; Dec. 25; v. 245; p. 862.
- Claussen, Edward E., and J. C. Hammer, Hartford, Conn. Floor or ceiling plate. No. 1,212,609; Jan. 16; v. 234; p. 836.
- Claussen, H. N. (See Neumann, John, assignor.)
- Claussen, Martin, and W. A. McKay, San Francisco, Cal. Portable incandescent lamp. No. 1,222,573; Apr. 10; v. 237; p. 584.
- Clavel, René, Basel, Switzerland. Sizing paper. No. 1,211,288; Jan. 2; v. 234; p. 314.
- Clavel, René, Basel, Switzerland. Producing foam for treating textile materials. No. 1,234,732; July 31; v. 240; p. 1182.
- Clawson, Charles F., assignor of one-third to J. T. Corcoran and one-third to J. C. Baker, Mount Pleasant, Iowa. Rail-anchor. No. 1,240,674; Sept. 18; v. 242; p. 683.
- Clawson, Leonard E., San Francisco, Cal. Resilient tire. No. 1,214,137; Jan. 30; v. 234; p. 1427.
- Clawson, Selden I., Salt Lake City, Utah. Concentration of metalliferous ores. No. 1,240,824; Sept. 25; v. 242; p. 762.
- Claxton, William R., Bartow, Fla. Legging. No. 1,211,411; Jan. 9; v. 234; p. 389.
- Clay, Adelaide M., San Francisco, Cal. Powder-puff retainer. No. 1,240,944; Sept. 25; v. 242; p. 800.
- Clay, Frank H. (See Camp and Clay.)
- Clay, George B., Jenkintown, Pa. Door opener and check. No. 1,228,407; June 5; v. 239; p. 11.
- Clay, Joseph B., Cedar Rapids, Iowa. Gate attachment. No. 1,230,866; June 26; v. 239; p. 957.
- Clay, Joseph B., Cedar Falls, Iowa. Stall. No. 1,242,322; Oct. 9; v. 243; p. 311.
- Clay, Powell G., Tacoma, Wash. Spike-puller. No. 1,238,266; Aug. 28; v. 241; p. 983.
- Clay Products Co., The. (See Ivery, John W., assignor.)
- Clayton, Alfred J., Brooklyn, assignor to N. Y. Sanitary Food Corp., New York, N. Y. Sandwich-machine. No. 1,211,375; Jan. 2; v. 234; p. 340.
- Clayton, Archie R., North Fork, Nev. Revolving rake. No. 1,222,526; Apr. 10; v. 237; p. 566.
- Clayton, Benjamin, *et al.* (See Brown, George R., assignor.)
- Clayton, George W., and J. Morrison, Sharon, Pa. Combination cigarette and match box. No. 1,232,770; July 10; v. 240; p. 442.
- Clayton Gin Compress Co. (See Brown, George R., assignor.)
- Clayton, Howard D. (See Garner and Clayton.)
- Clayton, James, Coventry, assignor to Courtaulds, Limited, London, England. Device for effecting the connection of circular rotatable bodies to their shafts. No. 1,224,069; Apr. 24; v. 237; p. 1173.
- Clayton, James, Coventry, assignor to Courtaulds, Limited, London, England. Thread-guide for artificial-silk machines. No. 1,224,070; Apr. 24; v. 237; p. 1173.
- Clayton, James, Coventry, assignor to Courtaulds, Limited, London, England. Device to be employed in making funnels, or thread-guides, for use in machines for the manufacture of artificial silk. No. 1,224,071; Apr. 24; v. 237; p. 1174.
- Clayton, James, Coventry, assignor to Courtaulds, Limited, London, England. Apparatus used in the manufacture of artificial silk. No. 1,240,675; Sept. 18; v. 242; p. 683.
- Clayton, John T. (See Ward, Robert G., assignor.)
- Clayton, William E., Portsmouth, Ohio. Welt-insole for shoes. No. 1,217,153; Feb. 27; v. 235; p. 1069.
- Clayton, William E., Portsmouth, Ohio. Canvas welt-insole. No. 1,217,708; Feb. 27; v. 235; p. 1263.
- Clayton, William E., Altoona, Kans. Supporting device. No. 1,218,055; Mar. 6; v. 236; p. 59.
- Clayton, William F., Cullman county, assignor of one-half to W. E. James, Cullman, Ala. Plow-fender. No. 1,220,071; Mar. 20; v. 236; p. 827.
- Clayton, William L., *et al.* (See Brown, George R., assignor.)
- Clayton, William R. (See Smith, George Q., assignor.)
- Clayton, William R., Chicago, Ill. Apparatus for preserving bodies. No. 1,213,335; Jan. 23; v. 234; p. 1123.
- Clayton, William R., Evanston, Ill. Desiccating apparatus. No. 1,215,346; Feb. 13; v. 235; p. 335.
- Clearwater, James H. (See Leighton and Clearwater.)
- Cleary, Edward, assignor to The Connecticut Web and Buckle Company, Bridgeport, Conn. Swivel cord-tube. No. 1,250,283; Dec. 18; v. 245; p. 608.
- Cleary, Frank P. (See Paschall, James H., assignor.)
- Cleary, Martin J., Jr., Ogden, Utah. Post-office cabinet. No. 1,232,500; July 10; v. 240; p. 355.
- Cleveland, J. W. (See Williams, Martin L., assignor.)
- Cleaver, Fremont J., Carnegie borough, assignor of one-third to S. L. H. Morris and one-third to H. W. Hodgdon, Pittsburgh, Pa. Multiple refillable fuse. No. 1,226,780; May 22; v. 238; p. 1044.
- Cleaver, Fremont J., Carnegie borough, assignor of one-half to H. W. Hodgdon, Pittsburgh, Pa. Circuit-breaker. No. 1,228,408; June 5; v. 239; p. 12.
- Cleaver, William F., and T. H. Martin, Montreal, Quebec, Canada; said Cleaver assignor to said Martin. Conveyer. No. 1,231,495; June 26; v. 239; p. 1167.
- Cleaves, Alfred H., Prince Bay, N. Y. Gage for twist-drills. No. 1,250,432; Dec. 18; v. 245; p. 653.
- Cleaves, Harold E., Washington, D. C. Treating alloys. No. 1,235,655; Aug. 7; v. 241; p. 41.
- Cleaves, Harold E., Washington, D. C. Treating ores. No. 1,239,885; Sept. 11; v. 242; p. 402.
- Clegg, Albert E., and T. Jubb, Leeds, England. Bullet-making machine. No. 1,246,549; Nov. 13; v. 244; p. 452.
- Clegg, James H., Wallasey, England. Furnace fire-bridge. No. 1,229,887; June 12; v. 239; p. 558.
- Clehm, William H., Glassboro, N. J. Lubricating device. No. 1,213,747; Jan. 23; v. 234; p. 1263.
- Clemence, Magnien, Kansas City, Mo. Telephone arm-rest. No. 1,223,562; Apr. 24; v. 237; p. 998.
- Clemenger, Harry G. (See Strong and Clemenger.)
- Clemens, Chester E., and R. K. Johnson, assignors, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Vehicle-spring. No. 1,239,084; Sept. 4; v. 242; p. 116.
- Clemens, John G., Buffalo, N. Y. Electrical heating attachment for soldering-irons. No. 1,223,669; Apr. 24; v. 237; p. 1036.
- Clemens, Oliver P., and W. C. Bott, Walla Walla, Wash. Cuspidor. No. 1,240,945; Sept. 25; v. 242; p. 800.
- Clement, Auther H., Decatur, Tex. Insect-destroyer. No. 1,244,834; Oct. 30; v. 243; p. 1191.
- Clement, Cecil C., assignor of one-half to H. B. Kingsbury, Spokane, Wash. Stereopticon. No. 1,218,928; Mar. 13; v. 236; p. 402.
- Clement, Charles G. (See Menhall and Clement.)
- Clement, Edward E., Washington, D. C. Acoustic multiplier. No. 1,216,946; Feb. 20; v. 235; p. 952.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to J. R. Garfield, trustee, Cleveland, Ohio. Telephone-exchange system. No. 1,210,604; Jan. 2; v. 234; p. 77.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to J. R. Garfield, trustee, Cleveland, Ohio. Telephone system. No. 1,223,369; Apr. 24; v. 237; p. 928.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to J. R. Garfield, trustee, Cleveland, Ohio. Telephone system. No. 1,230,996; June 26; v. 239; p. 1002.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to J. R. Garfield, trustee, Cleveland, Ohio. Telephone-exchange system. No. 1,235,186; July 31; v. 240; p. 1321.
- Clement, Edward E., Washington, D. C., assignor, by mesne assignments, to J. R. Garfield, trustee, Cleveland, Ohio. Metering telephone-traffic. No. 1,249,032; Dec. 4; v. 245; p. 175.
- Clement, George A., New York, N. Y., assignor to General Optical Company, Incorporated. Fuse-clip. No. 1,250,562; Dec. 18; v. 245; p. 693.
- Clements, Charles B., Washington, D. C. Garbage-receptacle closure. No. 1,233,312; July 17; v. 240; p. 652.
- Clements Company, The. (See Kennedy, Joseph, assignor.)
- Clements, James A., Abingdon, Ill. Gravity-gate hinge. No. 1,232,225; July 3; v. 240; p. 281.
- Clemetson, Adolph, and H. G. Holloway, Howard, S. D. Stock-releasing device. No. 1,212,017; Jan. 9; v. 234; p. 598.
- Clemons, William. (See King, William A., assignor.)
- Clemson, Richard D., assignor to Hollifield Target Practice Rod Company, Middletown, N. Y. Target-practice apparatus. No. 1,244,451; Oct. 23; v. 243; p. 1036.
- Clerget, Pierre, assignor to Société Clerget Blin & Cie., Levallois-Perret, France. Connector for electric leads. No. 1,236,404; Aug. 14; v. 241; p. 312.
- Cleveland Car Specialty Company. (See Costello, Joseph A., assignor.)
- Cleveland Dental Manufacturing Company, The. (See Patten, Felix A., assignor.)
- Cleveland, Edgar W. (See Fox and Cleveland.)
- Cleveland Electric and Machine Manufacturing Company, The. (See Manhard, Alonzo, assignor.)
- Cleveland Folding Machine Company, The. (See Trautman, Walter G., assignor.)
- Cleveland Foundry Company, The. (See Chadwick, Lee S., assignor.)
- Cleveland, Francis D., Cambridge, Mass. Apparatus for cooking articles of food. No. 1,234,131; July 24; v. 240; p. 954.
- Cleveland, Francis D., Cambridge, assignor to William Underwood Company, Boston, Mass. Apparatus for treating fish. No. 1,236,405; Aug. 14; v. 241; p. 312.
- Cleveland Galvanizing Works, The. (See Edeburn, Alfred N., assignor.)
- Cleveland Hardware Company, The. (See Arthur, Albert F., assignor.)

- Cleveland Macaroni Company, The. (See Gaminel, Karl, assignor.)
- Cleveland Metal Products Company, The. (See Chadwick, Lee S., assignor.)
- Cleveland Metal Products Company, The. (See Harrison, George L., assignor.)
- Cleveland Motorcycle Manufacturing Company, The. (See Johnson, Wilfred G., assignor.)
- Cleveland, Novie P. (See Graves, Fredrick P., assignor.)
- Cleveland Pneumatic Tool Company, The. (See Greve, Louis W., assignor.)
- Cleveland Rock Drill Company, The. (See Greve, Louis W., assignor.)
- Cleveland Steel Valve Co., The, et al. (See Redding, Harry B., assignor.)
- Cleveland, Wilbur L., Lamar, Colo. Hay rake or stacker. No. 1,230,066; June 12; v. 239; p. 614.
- Cleveland, Willard E., Fall River, assignor, by mesne assignments, to G. C. Cox, Rochester, N. Y. Repeating device for phonographs. No. 1,223,149; Apr. 17; v. 237; p. 823.
- Cleveland, Willard E., assignor to Cote Piano Mfg. Co., Fall River, Mass. Stop for phonographs. No. 1,225,579; May 8; v. 238; p. 559.
- Cleveland, William K., Tampa, assignor of one-half to C. W. Kennon, Hillsborough county, Fla. Drive-gearing. No. 1,221,680; Apr. 3; v. 237; p. 235.
- Clevenger, Galen H., Palo Alto, Cal. Flotation process of concentrating. No. 1,212,130; Jan. 9; v. 234; p. 636.
- Clewell, Eva M., Canton, Ohio. Brace-waist. No. 1,235,292; July 31; v. 240; p. 1353.
- Clicket Company, The. (See Silverstone, Mark, assignor.)
- Cliff, Harry G., Hamilton, Ontario, Canada. Steel cupboard. No. 1,225,928; May 15; v. 238; p. 718.
- Clifford, Carl G., Manila, Philippine Islands. Removable spur for shoes. No. 1,230,118; June 19; v. 239; p. 670.
- Clifford, Carl G., Manila, Philippine Islands. Antislipping device. No. 1,232,896; July 10; v. 240; p. 484.
- Clifford, Charles W., Trenton, N. J. Plant-receptacle. No. 1,226,311; May 15; v. 238; p. 853.
- Clifford, Frederick J., assignor to Alliance Company, Chicago, Ill. Float-valve. No. 1,247,643; Nov. 27; v. 244; p. 835.
- Clifford, Harlon A., assignor of one-half to J. W. Cobb, Greenfield, Mass. Antiseptic-dispenser. No. 1,227,997; May 29; v. 238; p. 1484.
- Clifford, Harry E., Cambridge, Mass., assignor to General Electric Company. Electric switch. No. 1,225,580; May 8; v. 238; p. 559.
- Clifford, William P., assignor of one-half to J. A. Ballard, Ottumwa, Iowa. Mill. No. 1,248,413; Nov. 27; v. 244; p. 1055.
- Clifford, William P., Ottumwa, and J. C. Cook, Russell, Iowa. Ore-separator. No. 1,218,170; Mar. 6; v. 236; p. 98.
- Clift, Frederic H., Barnes, England. Apparatus for measuring the quantity of liquid in open and closed vessels. No. 1,237,478; Aug. 21; v. 241; p. 696.
- Clifton, Charles H., Johnstone, near Glasgow, Scotland. Parting or cutting-off machine. No. 1,248,079; Nov. 27; v. 244; p. 961.
- Clifton, George. (See Clifton, Harry W. and G.)
- Clifton, Harry W. and G., Kanopolis, Kans. Storage-oil-tank protector. No. 1,233,028; July 10; v. 240; p. 525.
- Clifton Manufacturing Company. (See Raymond, Nelson H., assignor.)
- Clifton, Nels R., Duluth, Minn. Receptacle. No. 1,218,524; Mar. 6; v. 236; p. 219.
- Climax Container Company. (See Shevlin, Charles W., assignor.)
- Clinard, Jacob A. (See Garland and Clinard.)
- Cline, Albert C., A. H. Crowell, and C. M. McCorkle, Newton, N. C., assignors of two-eighths to said Cline, three-eighths to said Crowell, and three-eighths to said McCorkle. Healing compound for closing tire-punctures. No. 1,233,753; July 17; v. 240; p. 797.
- Cline, Allan J., assignor to Cline Electric Manufacturing Company, Chicago, Ill. Driving mechanism for linotype-machines. No. 1,222,265; Apr. 10; v. 237; p. 474.
- Cline Electric Manufacturing Company. (See Cline, Allan J., assignor.)
- Cline, George W., Albany, Oreg. Stabilizer for flying-machines. No. 1,226,312; May 15; v. 238; p. 853.
- Cline, Herbert C. (See Wakefield, Thomas, assignor.)
- Cline, James L., Cordell, Okla. Table and covering therefor. No. 1,237,170; Aug. 14; v. 241; p. 560.
- Cline, Nelson T., Pittsburgh, Pa. Air-strainer for air-compressors. No. 1,233,844; July 17; v. 240; p. 827.
- Cline, Sanford, Henry, N. C. Column-mill. No. 1,249,332; Dec. 11; v. 245; p. 292.
- Clinkunbroomer, Peter H., Evanston, Ill. Mold for concrete construction. No. 1,239,462; Sept. 11; v. 242; p. 265.
- Clinton Cam Company. (See Casey, Marion R., assignor.)
- Clinton Cam Company. (See King and Whitlock, assignors.)
- Clinton Cam Company. (See Roy, Edward D., assignor.)
- Clinton Cam Company. (See Taylor, Andrew, assignor.)
- Clinton, Frank, Milan, Ind. Silo. No. 1,214,426; Jan. 30; v. 234; p. 1527.
- Clinton, James S., Chicago, Ill. Display-rack. No. 1,231,849; July 3; v. 240; p. 106.
- Clinton, Michael, assignor of one-fourth to Penn Printing House, one-fourth to H. Miller, Delaware county, and one-fourth to W. B. Cunningham, Philadelphia, Pa. Discharging sheets from a printing-press substantially free from electricity. No. 1,216,211; Feb. 13; v. 235; p. 647.
- Clinton Switch Company. (See Lowe, Harry L., assignor.)
- Clinton, Thomas J. (See Cooper, Lyman M., assignor.)
- Clinton Wire Cloth Company. (See Hood, Ralph O., assignor.)
- Clinton Wire Cloth Company. (See Southwick, William S., assignor.)
- Clipper Belt Lacer Company. (See Diamond, James K., assignor.)
- Clipper Belt Lacer Company. (See Vanderveld, Anthony, assignor.)
- Clippinger, Levi, Llano, Tex. Coop-support. No. 1,211,546; Jan. 9; v. 234; p. 435.
- Clise, James W., Seattle, Wash. Recording apparatus. No. 1,230,997; June 26; v. 239; p. 1005.
- Clokey, Allison A., Jersey City, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Contact arrangement for call-boxes and other transmitters. No. 1,224,359; May 1; v. 238; p. 89.
- Cloovras, Thomas, Yorkville, Ohio. Cigarette-dispensing box. No. 1,247,225; Nov. 20; v. 244; p. 685.
- Close, Fred A., Uniontown, Pa., assignor of one-half to G. W. Dunham, Detroit, Mich. Device for boring axially-curved holes. No. 1,223,938; Apr. 24; v. 237; p. 1129.
- Close, James, Newark, assignor to New Jersey Tube Company, Harrison, N. J. Bed and other article of furniture. No. 1,239,153; Sept. 4; v. 242; p. 140.
- Closz, Adolph, Webster City, Iowa. Resilient wheel. No. 1,224,360; May 1; v. 238; p. 89.
- Clot, August P., Weehawken Heights, N. J. Multibladed knife. No. 1,240,946; Sept. 25; v. 242; p. 800.
- Clothier, Willis, New Castle, Del. Automatic weighing-machine. No. 1,238,886; Sept. 4; v. 242; p. 53.
- Clotts, George, Los Angeles, Cal. Gas-heater. No. 1,247,932; Nov. 27; v. 244; p. 921.
- Cloude, Harry M., Cincinnati, Ohio. Pumping device for automobiles. No. 1,237,869; Aug. 21; v. 241; p. 821.
- Cloude, Harry M., Cincinnati, Ohio. Automobile-lock. No. 1,237,870; Aug. 21; v. 241; p. 821.
- Cloude, Harry M., Cincinnati, Ohio. Pump-plunger. No. 1,248,263; Nov. 27; v. 244; p. 1014.
- Clough, Alfred N. (See Clough and Spring.)
- Clough, Alonzo E., Madison, S. D. Splint. No. 1,221,289; Apr. 3; v. 237; p. 102.
- Clough, Bert E., Battle Creek, Mich. Electrical horsepower-computing machine. No. 1,221,681; Apr. 3; v. 237; p. 235.
- Clough, Bert E., Battle Creek, Mich. Mechanically-operated horsepower-computing machine. No. 1,242,771; Oct. 9; v. 243; p. 455.
- Clough, Charles W. and A. N., and W. O. Spring, Los Angeles, Cal. Combination folding cot and table. No. 1,210,605; Jan. 2; v. 234; p. 78.
- Clough, Charles W. and A. N., and W. O. Spring, Los Angeles, Cal. Combination folding cot and seat. No. 1,217,085; Feb. 20; v. 235; p. 998.
- Clough, Henry W., South Pasadena, Cal. Cord and rope holder. No. 1,228,535; June 5; v. 239; p. 55.
- Clough, John H., Schenectady, N. Y., assignor to General Electric Company. Inclosed-arc device. No. 1,246,054; Nov. 13; v. 244; p. 303.
- Clover, Benton L., Chicago, Ill. Steam-trap. No. 1,215,912; Feb. 13; v. 235; p. 539.
- Cloyd, James H. S., Tilden, Nebr. Combined staging-clamp and shingle-bracket. No. 1,210,763; Jan. 2; v. 234; p. 132.
- Cluett, Peabody & Co. (See Hurd, Hubbard F., assignor.)
- Cluett, Sanford L., assignor to Walter A. Wood Mowing & Reaping Machine Company, Hoosick Falls, N. Y. Mowing-machine. No. 1,234,528; July 24; v. 240; p. 1085.
- Cluff, George E., Jr., Sacramento, Cal. Chair. No. 1,231,129; June 26; v. 239; p. 1048.
- Clugston, Alva C., Dewey, Okla. Adjustable shade and curtain fixture. No. 1,231,496; June 26; v. 239; p. 1168.
- Clugstone, John F., Williamsport, Pa. Folding rule. No. 1,216,075; Feb. 13; v. 235; p. 598.
- Clulee, Stephen J., Attleboro, Mass. Making eyeglass-rims. No. 1,219,254; Mar. 13; v. 236; p. 512.
- Clulee, Stephen J., Attleboro, Mass. Eyeglass construction. No. 1,224,361; May 1; v. 238; p. 89.
- Clulee, Stephen J., Attleboro, Mass. Eyeglasses or spectacles. No. 1,248,430; Nov. 27; v. 244; p. 1060.
- Cluley, John P., Green Bay, Wis. Electric welding apparatus. No. 1,221,512; Apr. 3; v. 237; p. 130.
- Cluley, John P., St. Louis, Mo., assignor to Cluley Multiplier Company, Green Bay, Wis. Multiplying-machine. No. 1,221,027; Apr. 3; v. 237; p. 8.
- Cluley Multiplier Company. (See Cluley, John P., assignor.)
- Cluts, William J., Vienna, S. D. Gate or door latch. No. 1,234,132; July 24; v. 240; p. 955.
- Clutter, Homer V., Denver, Colo. Combined heat and steam generator. No. 1,243,812; Oct. 23; v. 243; p. 845.
- Clyde Iron Works. (See McGilfert, John R., assignor.)

Alphabetical list of patentees—Continued.

- Clymer, William R., Cleveland, Ohio, assignor to National Carbon Company, Battery-lamp. No. 1,212,907; Jan. 16; v. 234; p. 940.
- Clymer, William R., Lakewood, Ohio, assignor to National Carbon Company, Calcining-furnace. No. 1,223,475; Apr. 24; v. 237; p. 966.
- Clymer, William R., Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Electric battery. No. 1,242,656; Oct. 9; v. 243; p. 418.
- Coach, Richard J., assignor to The Sub-Surface Vacuum Development Company, Cleveland, Ohio, Evaporator. No. 1,220,194; Mar. 27; v. 236; p. 907.
- Coade, Loftus G., Birmingham, England, Sewing-machine. No. 1,225,772; May 15; v. 238; p. 666.
- Coale Muffler & Safety Valve Company, The. (See Vaeth, Joseph A., assignor.)
- Coalite Limited. (See Wellington, Stephen N., assignor.)
- Coalson, Archie D., Birmingham, Ala. Rerailing device. No. 1,243,920; Oct. 23; v. 243; p. 878.
- Coan, David, Syracuse, N. Y. Lens-grinding machine. No. 1,250,563; Dec. 18; v. 245; p. 693.
- Coan, John, Kansas City, Mo. Tire-armor. No. 1,243,657; Oct. 16; v. 243; p. 760.
- Coan, William C., assignor to The Universal Valve and Valve Gear Co., Cleveland, Ohio, Steam-engine valve and valve-gear. No. 1,222,266; Apr. 10; v. 237; p. 474.
- Coapman, Eugene H., and R. L. Ettenger, Washington, D. C. System of steam propulsion. No. 1,236,910; Aug. 14; v. 241; p. 477.
- Coast, John W., Jr., Tulsa, Okla., assignor, by mesne assignments, to The Process Company, Distilling hydrocarbons. No. 1,250,798; Dec. 18; v. 245; p. 791.
- Coast, John W., Jr., Tulsa, Okla., assignor, by mesne assignments, to The Process Company, Cracking petroleum hydrocarbons. No. 1,250,799; Dec. 18; v. 245; p. 762.
- Coast, John W., Jr., Tulsa, Okla., assignor, by mesne assignments, to The Process Company, Apparatus for cracking petroleum hydrocarbons. No. 1,250,800; Dec. 18; v. 245; p. 762.
- Coast, John W., Jr., Tulsa, Okla., assignor to The Process Company, Cracking petroleum hydrocarbons. No. 1,250,801; Dec. 18; v. 245; p. 762.
- Coaster Manufacturing Company, The. (See Cashner, Roy C., assignor.)
- Coatalen, Louis, assignor of one-half to Sunbeam Motor Car Company Limited, Wolverhampton, England, Camshaft casing for internal-combustion engines. No. 1,235,110; July 31; v. 240; p. 1298.
- Coatalen, Louis, assignor of one-half to Sunbeam Motor Car Company Limited, Wolverhampton, England, Multicylinder internal-combustion engine. No. 1,235,111; July 31; v. 240; p. 1298.
- Coatalen, Louis, assignor of one-half to Sunbeam Motor Car Company Limited, Wolverhampton, England, Lubrication of cam-shafts for internal-combustion engines. No. 1,235,187; July 31; v. 240; p. 1321.
- Coatalen, Louis, assignor of one-half to Sunbeam Motor Car Company Limited, Wolverhampton, England, Camshaft driving mechanism. No. 1,240,420; Sept. 18; v. 242; p. 605.
- Coatalen, Louis, assignor of one-half to Sunbeam Motor Car Company Limited, Wolverhampton, England, Piston for internal-combustion engines. No. 1,240,421; Sept. 18; v. 242; p. 605.
- Coatalen, Louis, assignor of one-half to Sunbeam Motor Car Company Limited, Wolverhampton, England, Starting mechanism for internal-combustion engines. No. 1,240,422; Sept. 18; v. 242; p. 605.
- Coatalen, Louis, assignor of one-half to Sunbeam Motor Car Company Limited, Wolverhampton, England, Internal-combustion engine for aeroplanes. No. 1,241,092; Sept. 25; v. 242; p. 845.
- Coatalen, Louis, assignor of one-half to Sunbeam Motor Car Company, Limited, Wolverhampton, England, Construction of crank-chambers for aviation-engines. No. 1,248,264; Nov. 27; v. 244; p. 1014.
- Coatalen, Louis, assignor of one-half to Sunbeam Motor Car Company, Limited, Wolverhampton, England, V-type internal-combustion engine. No. 1,248,265; Nov. 27; v. 244; p. 1015.
- Coatalen, Louis, assignor of one-half to Sunbeam Motor Car Company, Limited, Wolverhampton, England, Internal-combustion engine. No. 1,248,266; Nov. 27; v. 244; p. 1015.
- Coate, Albert P., Middletown, Ohio, Means for grinding and polishing rolling-mill rolls. No. 1,212,131; Jan. 9; v. 234; p. 636.
- Coate, Walter J., Maywood, Ill., assignor to American Can Company, New York, N. Y. Display-rack. No. 1,246,883; Nov. 20; v. 244; p. 586.
- Coates, Alfred M., Middle Brighton, Melbourne, Victoria, Australia, Electric time-switch. No. 1,229,232; June 12; v. 239; p. 338.
- Coates, Charles L. (See Hunter, Smith H., assignor.)
- Coates, Frederick, Rochester, N. Y. Labeling, filling, and stoppering machine. No. 1,211,289; Jan. 2; v. 234; p. 314.
- Coates, Frederick, Rochester, N. Y. Paper bottle. No. 1,218,984; Mar. 13; v. 236; p. 421.
- Coates, George, assignor of one-eighth to R. W. Coates and one-eighth to J. S. Walker, Victor, Colo. Safety device for mine-elevator cages. No. 1,219,918; Mar. 20; v. 236; p. 773.
- Coates, Harry E., Sacramento, Cal. Game apparatus. No. 1,218,374; Mar. 6; v. 236; p. 169.
- Coates, Joseph S., Goshen, assignor to W. T. Stevens, New York, N. Y. Driving-stirrup. No. 1,214,758; Feb. 6; v. 235; p. 97.
- Coates, Ray G., Pasadena, Cal. Railway-crossing. No. 1,233,448; July 17; v. 240; p. 699.
- Coates, Richard W., et al. (See Coates, George, assignor.)
- Coats, Allan, Newark, N. J. Change-making machine. No. 1,233,845; July 17; v. 240; p. 827.
- Coats, George S., Visalia, Cal. Key-seating tool. No. 1,239,159; Sept. 4; v. 242; p. 141.
- Coats, Henry B., Veedersburg, Ind. Vehicle-wheel. No. 1,216,076; Feb. 13; v. 235; p. 599.
- Coats, Howard L., Hammond, N. Y. Gate. No. 1,211,090; Jan. 2; v. 234; p. 245.
- Cobb, Benjamin J., Rome, Ga. Combined bed and table. No. 1,233,313; July 17; v. 240; p. 652.
- Cobb, Edith B., Cleveland, Ohio, Ash-tray. No. 1,212,185; Jan. 16; v. 234; p. 684.
- Cobb, Elmer M., South Portland, assignor to Southworth Machine Company, Portland, Me. Multiple punching-machine. No. 1,243,656; Oct. 16; v. 243; p. 759.
- Cobb, George W. (See Wegner, Fred, assignor.)
- Cobb, Henry Z., Winchester, Mass., assignor to United States Rubber Company, New Brunswick, N. J. Manufacture of tire-shoes. No. 1,211,918; Jan. 9; v. 234; p. 565.
- Cobb, Henry Z., Winchester, Mass., assignor to United States Rubber Company, New Brunswick, N. J. Apparatus for vulcanizing tire-shoes. No. 1,214,277; Jan. 30; v. 234; p. 1476.
- Cobb, Henry Z., Winchester, Mass., assignor to United States Rubber Company, New Brunswick, N. J. Mandrel for vulcanizing tire-shoes. No. 1,249,033; Dec. 4; v. 245; p. 176.
- Cobb, Henry Z., Winchester, Mass., assignor to Revere Rubber Company, Hose and making the same. No. 1,230,867; June 26; v. 239; p. 957.
- Cobb, Hurley M. (See Lemp and Cobb.)
- Cobb, James W. (See Clifford, Harlon A., assignor.)
- Cobb, Oliver W., Easthampton, Mass. Auxiliary propulsion mechanism for boats. No. 1,247,082; Nov. 20; v. 244; p. 643.
- Cobb, Richard H., Cleveland, Ohio, Fire-extinguisher. No. 1,227,751; May 29; v. 238; p. 1399.
- Cobb, Richard H., Cleveland, Ohio, Fuel-supply device. No. 1,243,813; Oct. 23; v. 243; p. 845.
- Cobb, Willard H., Babylon, N. Y., assignor to New York Belting & Packing Company, Belt-clamp. No. 1,235,656; Aug. 7; v. 241; p. 41.
- Cobel, George W., Brookings, S. D. Malling-card. No. 1,213,748; Jan. 23; v. 234; p. 1263.
- Cobel, John H., St. Joseph, Mo. Foldable umbrella. No. 1,217,709; Feb. 27; v. 235; p. 1263.
- Coberly, Clarence J., Los Angeles, Cal. Pump. No. 1,235,112; July 31; v. 240; p. 1299.
- Coberly, Clarence J., Glendale, Cal. Motion-picture camera. No. 1,243,262; Oct. 16; v. 243; p. 642.
- Cobert, Joseph, Northampton, Mass. Split-pulley clamp. No. 1,244,835; Oct. 30; v. 243; p. 1191.
- Coble, Harvey E., Benton Harbor, Mich. Vehicle-spring. No. 1,230,673; June 19; v. 239; p. 854.
- Coble, Harvey E., Benton Harbor, Mich. Headlight-control device. No. 1,237,617; Aug. 21; v. 241; p. 741.
- Coburn, Harry E., Buffalo, N. Y. Pasteurizing apparatus. No. 1,244,704; Oct. 30; v. 243; p. 1152.
- Coburn, Lizzie S., Everett, Mass. Yarn-holding reel. No. 1,242,657; Oct. 9; v. 243; p. 419.
- Cocanari, Silvio, Vieux Dieu, near Antwerp, Belgium. Cinematograph apparatus and film for use therewith. No. 1,220,195; Mar. 27; v. 236; p. 907.
- Cochran, Albert W., and F. M. Youngs, Portland, Oreg. Make-ready of impression-cylinders of printing-presses. No. 1,227,557; May 22; v. 238; p. 1303.
- Cochran, Andrew, Trenton, N. J. Siphon water-closet. No. 1,215,113; Feb. 6; v. 235; p. 220.
- Cochran, Claude E., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio, Driving mechanism for motor-vehicles. No. 1,233,846; July 17; v. 240; p. 828.
- Cochran, Fred J., Mount Vernon, Ill. Ball-bearing axle. No. 1,210,422; Jan. 2; v. 234; p. 15.
- Cochran, Robert L. (See Edmonds, Charles T., assignor.)
- Cochrane, Albert P., Brooklyn, assignor to J. H. Cochrane, New York, N. Y. Knockdown container. (Reissue.) No. 14,294; May 1; v. 238; p. 274.
- Cochrane-Bly Company. (See Dow, Roy B., assignor.)
- Cochrane, Charles E., Medford, Mass., assignor to C.D.G. Manufacturing Company, Portland, Me. Flushing device. No. 1,242,922; Oct. 16; v. 243; p. 537.
- Cochrane, James P., Edinburgh, and J. Patrick, Leith, Scotland. Golf-club shaft. No. 1,239,356; Sept. 4; v. 242; p. 204.
- Cochrane, Jane H. (See Cochrane, Albert P., assignor.) (Reissue.)
- Cochrane, Robert B., assignor to Perfect Bottle Opener Company, Charlotte, N. C. Bottle-opener. No. 1,247,507; Nov. 20; v. 244; p. 765.
- Cochrane, Wilbur A. (See Schneider, William G., assignor.)
- Cock, Gerald A., London, England, assignor to E. A. Bigelow and E. A. Bigelow, Jr., New York, N. Y. Detonator. No. 1,211,919; Jan. 9; v. 234; p. 565.

- Cock, Michael D., Powlett River, Victoria, Australia. Agricultural tractor. No. 1,227,389; May 22; v. 238; p. 1248.
- Cockerham, Samuel, Cleveland, Ohio. Hanger for wall-radiators. No. 1,230,119; June 19; v. 239; p. 671.
- Cocking, Richard H., Salem, N. J. Jar-lifter. No. 1,233,187; July 10; v. 240; p. 578.
- Cockrell, Grace, Niagara Falls, N. Y. Breakfast food. No. 1,244,586; Oct. 30; v. 243; p. 1116.
- Cocks, Edgar. (See Henderson and Cocks.)
- Coda, Christopher F., assignor to Art Stove Co., Detroit, Mich. Combination-range. No. 1,245,318; Nov. 6; v. 244; p. 53.
- Coda, Christopher F., assignor to The Art Stove Co., Detroit, Mich. Combined range and gas-stove. No. 1,245,319; Nov. 6; v. 244; p. 53.
- Codd, Ambrose W., Spokane, Wash. Seed-grader. No. 1,238,267; Aug. 28; v. 241; p. 984.
- Codd, William C., Baltimore, Md. Grate-bar for marine and stationary boilers. No. 1,212,018; Jan. 9; v. 234; p. 599.
- Codd, William C., Baltimore, Md. Grate for marine and stationary boilers. No. 1,232,897; July 10; v. 240; p. 485.
- Code, James T. (See Fowler, William E., assignor.)
- Code, John C. (See Code, William T. and J. C.)
- Code, William T. and J. C., Willoughby, Ohio. Gearless differential for automobiles. No. 1,237,018; Aug. 14; v. 241; p. 513.
- Cody, Alice, Newark, Ohio. Detachable hook-fastener. No. 1,228,181; May 29; v. 238; p. 1543.
- Coe, Elmer R., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-signal. No. 1,211,675; Jan. 9; v. 234; p. 478.
- Coe, Elmer R., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of electric motors. No. 1,217,413; Feb. 27; v. 235; p. 1157.
- Coe, Herbert M., assignor of one-half to G. W. Dobson, San Jose, Cal. Sleeping-balcony. No. 1,212,019; Jan. 9; v. 234; p. 599.
- Coe, James R., Waterbury, Conn. Curtain-rod fixture. No. 1,243,139; Oct. 16; v. 243; p. 605.
- Coe, Robert A., and T. J. Harbour, Tupelo, Okla. Boltless rail-joint clamp. No. 1,219,255; Mar. 13; v. 236; p. 512.
- Coe, William W., Jr., Bloomsbury, London, England. Dye. No. 1,243,042; Oct. 16; v. 243; p. 576.
- Coe, Edward, St. Louis, Mo., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for making insoles. No. 1,238,268; Aug. 28; v. 241; p. 984.
- Coffee Products Company, The. (See Ewing, William J., assignor.)
- Coffield, James G., assignor of one-third to W. C. Coffield, Norfolk, Va., and W. H. Coffield, Edenton, N. C. Air-coupling. No. 1,221,682; Apr. 3; v. 237; p. 236.
- Coffield, William C., et al. (See Coffield, James G., assignor.)
- Coffield, William H., et al. (See Coffield, James G., assignor.)
- Coffelt, Alfred, Friday Harbor, Wash. Cylinder-cleaver for gas-engines. No. 1,228,747; June 5; v. 239; p. 127.
- Coffey, Charles J., Chicago, Ill. Tooth-brush. No. 1,230,279; June 19; v. 239; p. 724.
- Coffey, Charles W., Canton, Ohio. Automobile attachment. No. 1,249,901; Dec. 11; v. 245; p. 458.
- Coffey, Joseph M. (See Clark and Coffey.)
- Coffey, Joseph M., assignor to Chambers Valve Company, New York, N. Y. Throttle-valve. No. 1,215,488; Feb. 13; v. 235; p. 385.
- Coffin, Charles L., Parks, Ga., assignor to Electric Metal Working Company, Detroit, Mich. Method of electric-arc welding, heating, and metal-working and apparatus therefor. No. 1,216,947; Feb. 20; v. 235; p. 952.
- Coffin, Charles L., Parks, Ga., assignor to Electric Metal Working Company, Detroit, Mich. Arc welding, heating, and metal-working. No. 1,243,589; Oct. 16; v. 243; p. 738.
- Coffin, Charles L., Parks, Ga., assignor to Electric Metal Working Co., Detroit, Mich. Method of electric-arc welding, heating, and metal-working, and apparatus therefor. No. 1,244,705; Oct. 30; v. 243; p. 1152.
- Coffin, Charles W., assignor to The E. T. Burrowes Company, Portland, Me. Card-table. No. 1,236,544; Aug. 14; v. 241; p. 358.
- Coffin, Charles W., assignor to The E. T. Burrowes Company, Portland, Me. Card-table. No. 1,247,644; Nov. 27; v. 244; p. 836.
- Coffin, James G., trustee. (See Cornwall, George R., assignor.)
- Coffman, George L., Oklahoma, Okla. Automatic gas cutoff. No. 1,219,627; Mar. 20; v. 236; p. 671.
- Coffman, Jacob H., Philadelphia, Pa. Game. No. 1,223,256; Apr. 17; v. 237; p. 857.
- Coffman, James W., Springfield, Ill. Mechanism for operating railway-signals. No. 1,248,457; Dec. 4; v. 245; p. 9.
- Coffman Manufacturing Company, The. (See Craig, Clyde L., assignor.)
- Coffman, Parrett W., New Salem, Pa. Tire-tool. No. 1,220,956; Mar. 27; v. 236; p. 1170.
- Coffman, Samuel M., Kansas City, Mo., assignor, by mesne assignments, to Photo Motion Company. Film-tensioning device. No. 1,227,039; May 22; v. 238; p. 1132.
- Cofield, George W., et al. (See Shermund, Conrad, assignor.)
- Coggeshall, Allan, Pleasantville, and H. C. Schnake, New York, N. Y., assignors to The Bryant Electric Company, Bridgeport, Conn. Outlet-box fitting. No. 1,233,188; July 10; v. 240; p. 578.
- Cogorno, Pablo, Rosario, Argentina. Receptacle for liquids. No. 1,245,567; Nov. 6; v. 244; p. 129.
- Cogsdill, Stuart A., assignor to Detroit Reamer Salvage Co., Detroit, Mich. Reamer. No. 1,214,649; Feb. 6; v. 235; p. 59.
- Cogswell, Seward E., Central City, Nebr. Automatic sampler. No. 1,241,196; Sept. 25; v. 242; p. 878.
- Cogswell, Thornton H., Newton, B. Jahn and E. E. Kahl, New Britain, Conn. Valve-grinder. No. 1,237,751; Aug. 21; v. 241; p. 786.
- Cohan, Charles. (See Herschede and Cohan.)
- Cohen, Ada, Chelsea, Mass. Alarm device for liquid-levels. No. 1,222,183; Apr. 10; v. 237; p. 445.
- Cohen, Alfred H., Oakland, Cal. Method and apparatus for producing oscillating currents of high frequency. No. 1,243,043; Oct. 16; v. 243; p. 576.
- Cohen, Benjamin, et al. (See Wagner, William G., assignor.)
- Cohen, D. R., et al. (See Gruman, Horace F., assignor.)
- Cohen, Emanuel A., and C. C. Colyer, Pittsburgh, Pa. Automobile-mat. No. 1,216,077; Feb. 13; v. 235; p. 599.
- Cohen, Ephie, Joplin, Mo. Ore-separator. No. 1,230,674; June 19; v. 239; p. 855.
- Cohen, Henry, et al. (See Wagner, William G., assignor.)
- Cohen, Henry D., Newark, N. J. Automobile-headlight glass. No. 1,213,154; Jan. 23; v. 234; p. 1059.
- Cohen, Ira. (See Finkel and Cohen.)
- Cohen, Joseph J., New York, N. Y. Type-writer. No. 1,224,141; May 1; v. 238; p. 9.
- Cohen, Leon, St. Louis, Mo. Hat-box. No. 1,218,628; Mar. 13; v. 236; p. 293.
- Cohen, Leon, St. Louis, Mo. Hat-lining. No. 1,222,527; Apr. 10; v. 237; p. 566.
- Cohen, Leon, St. Louis, Mo. Hat-protector. No. 1,222,528; Apr. 10; v. 237; p. 566.
- Cohen, Louis. (See McLeod, William, assignor.)
- Cohen, Louis, Washington, D. C. Wireless signaling. No. 1,220,072; Mar. 20; v. 236; p. 827.
- Cohen, Louis F., Pittsfield, Mass. Horseshoe. No. 1,232,656; July 10; v. 240; p. 403.
- Cohen, Maurice H., Philadelphia, Pa. Label-holding cap or cover of a can, jar, or other body. No. 1,215,114; Feb. 6; v. 235; p. 220.
- Cohen, Meyer G., New York, N. Y. Wrapping and baling fabric. No. 1,215,777; Feb. 13; v. 235; p. 490.
- Cohen, Nathan, assignor of one-half to F. Bowerman, Swindon, England. Dental suction-disk. No. 1,243,386; Oct. 16; v. 243; p. 678.
- Cohen, Philip, New York, N. Y. Sanitary garbage-can. No. 1,213,588; Jan. 23; v. 234; p. 1211.
- Cohen, Phillip S., Boston, Mass. Playing-cards. No. 1,243,263; Oct. 16; v. 243; p. 642.
- Cohen, S. R., et al. (See Gruman, Horace F., assignor.)
- Cohn, Abraham, St. Louis, Mo. Leather automobile-tire. No. 1,232,657; July 10; v. 240; p. 404.
- Cohn, Albert, and L. H. Debs, Chicago, Ill. Strainer. No. 1,221,683; Apr. 3; v. 237; p. 236.
- Cohn, Albert, and L. H. Debs, Chicago, Ill. Electric-lighting fixture. No. 1,225,411; May 8; v. 238; p. 502.
- Cohn, Charles H., Chicago, Ill. Toy balloon. No. 1,217,277; Feb. 27; v. 235; p. 1110.
- Cohn, David M., Evansville, Ind. Belt-buckle. No. 1,227,998; May 29; v. 238; p. 1484.
- Cohn, David M., assignor to Kruckemeyer and Cohn, Evansville, Ind. Belt-buckle. No. 1,250,970; Dec. 25; v. 245; p. 863.
- Cohn, Herman, New York, N. Y. Manufacturing hats. No. 1,243,487; Oct. 16; v. 243; p. 709.
- Cohn, Max M., Piedmont, Cal. Interleaved paper container and dispenser. No. 1,236,055; Aug. 7; v. 241; p. 171.
- Cohn, Sol, et al. (See Burns, John G., assignor.)
- Coho, Herbert B., Mount Vernon, N. Y., assignor to United Lead Company. Metallic compound. No. 1,217,710; Feb. 27; v. 235; p. 1263.
- Coho, Herbert B., Mount Vernon, N. Y., assignor to United Lead Company. Metallic compound. No. 1,217,711; Feb. 27; v. 235; p. 1263.
- Coin Controlled Lock Co. (See Farnsworth, Willis S., assignor.)
- Coin Device & Signal Co. (See Drew and Mazza, assignors.)
- Coin Machine Manufacturing Company. (See Potter, Thomas I., assignor.)
- Coin Time Lock Co. (See Williams, Edward L., assignor.)
- Coin Time Lock Co. (See Wyckoff, Amos A., assignor.)
- Coit-Kitsee Co., The. (See Kitsee, Isidor, assignor.)
- Cokus, Michael, Frackville, Pa. Chain. No. 1,214,427; Jan. 30; v. 234; p. 1527.
- Colahan, Charles, Stockton, Cal. Exsiccating unretted hemp-stalks. No. 1,233,449; July 17; v. 240; p. 699.

Alphabetical list of patentees—Continued.

- Colardeau, Louis J. E., and J. Richard, Paris, France. Stereoscopic device or the like. No. 1,216,948; Feb. 20; v. 236; p. 953.
- Colarusso, Antonio, Hudson, N. Y. Concrete-form device. No. 1,243,713; Oct. 23; v. 243; p. 811.
- Colas, Joseph E., Creil, France. Electric signaling apparatus for railways. No. 1,233,029; July 10; v. 240; p. 525.
- Colborne, Elizabeth, New York, N. Y. Advertising novelty. No. 1,245,872; Nov. 6; v. 244; p. 221.
- Colbourn, Ernest J., Shelbina, Mo. Restraining device. No. 1,229,717; June 12; v. 239; p. 501.
- Colburn, Edgar L. (See Jensen, Rasmus, assignor.)
- Colburn, Ernest A. (See Colburn, Herbert C. and E. A.)
- Colburn, Frank E., Gardiner, Me. Dirigible headlight. No. 1,227,885; May 29; v. 238; p. 1445.
- Colburn, Frederick H., Concord, N. H., assignor, by mesne assignments, to the Government of the United States. Relief-alidade. No. 1,240,676; Sept. 18; v. 242; p. 683.
- Colburn, Herbert C., Colorado Springs, and E. A. Colburn, Denver, Colo. Ore-fotation process. No. 1,226,062; May 15; v. 238; p. 765.
- Colburn, Herbert C., Colorado Springs, and E. A. Colburn, Denver, Colo. Ore-fotation apparatus. No. 1,226,063; May 15; v. 238; p. 765.
- Colburn, Irving W., assignor to The Toledo Glass Company, Toledo, Ohio. Method and apparatus for making sheet-glass. No. 1,248,809; Dec. 4; v. 245; p. 114.
- Colburn Machine Tool Company. (See Clarke, Frederick F., assignor.) (Reissue.)
- Colby, Ernest S., Portland, Oreg. Buckle. No. 1,231,130; June 26; v. 239; p. 1048.
- Colby, Frank W., assignor to Standard Spiral Pipe Works, Chicago, Ill. Making reinforced spiral pipe. No. 1,238,986; Sept. 4; v. 242; p. 86.
- Colby, Frank W., assignor to Standard Spiral Pipe Works, Chicago, Ill. Apparatus for making reinforced spiral pipe. No. 1,238,987; Sept. 4; v. 242; p. 86.
- Colby, Frederick W., Boston, Mass. Telephone-index. No. 1,234,874; July 31; v. 240; p. 1224.
- Colby, Frederick W., Boston, Mass. Telephone-index. No. 1,236,268; Aug. 7; v. 241; p. 237.
- Colby, Mark R., Portland, Oreg. Steam-boiler. No. 1,221,028; Apr. 3; v. 237; p. 9.
- Colby, Melvin, Mount Horeb, Wis. Direction-indicator. No. 1,233,189; July 10; v. 240; p. 578.
- Colby, Melvin, Springdale, Wis. Direction-indicator. No. 1,238,638; Aug. 28; v. 241; p. 1103.
- Colby, Ora A. (See Rose and Colby.)
- Colby, Ora A., Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control apparatus. No. 1,246,394; Nov. 13; v. 244; p. 405.
- Colby, Walter I., Haverhill, Mass. Turned shoe. No. 1,233,754; July 17; v. 240; p. 797.
- Colbyson, Hardes M., and A. S. Dworsky, Minneapolis, Minn. Machine for cleaning motion-picture films. No. 1,230,120; June 19; v. 239; p. 671.
- Colchin, Frederick J., Decatur, Ind. Comb-cleaner. No. 1,249,334; Dec. 11; v. 245; p. 293.
- Coldwell, William H., Newburgh, N. Y. Gang lawn-mower. No. 1,246,234; Nov. 13; v. 244; p. 356.
- Cole, Arthur D., Fort Pierre, S. D. Traction-engine. No. 1,240,423; Sept. 18; v. 242; p. 605.
- Cole, Benjamin F., et al. (See Walter, Ira D., assignor.)
- Cole, Charles H., Brooklyn, N. Y. Pouring-ladle. No. 1,238,108; Aug. 28; v. 241; p. 931.
- Cole, Charles J., Springfield, Ill. Animal-holding device. No. 1,229,888; June 12; v. 239; p. 558.
- Cole, Chauncey R., Tulsa, Okla. Transmission. No. 1,241,924; Oct. 2; v. 243; p. 146.
- Cole, Clifford M., Lander, assignor of one-half to W. S. Adams, Riverton, Wyo. Fluid-gage. No. 1,224,713; May 1; v. 238; p. 213.
- Cole, David, Tucson, Ariz. Grinding-mill. No. 1,222,184; Apr. 10; v. 237; p. 445.
- Cole, David, El Paso, Tex. Screening device. No. 1,234,447; July 24; v. 240; p. 1059.
- Cole, David, Morenci, Ariz. Apparatus for separating or concentrating ores. No. 1,243,814; Oct. 23; v. 243; p. 846.
- Cole, David, Morenci, Ariz., assignor, by mesne assignments, to Metals Recovery Company, Augusta, Me. Apparatus for separating or concentrating ores. No. 1,223,033; Apr. 17; v. 237; p. 782.
- Cole, Don, assignor to Stromberg Motor Devices Company, Chicago, Ill. Carburetor. No. 1,235,188; July 31; v. 240; p. 1321.
- Cole, Edward S., New York, N. Y. Apparatus for measuring the flow of a liquid stream. No. 1,229,718; June 12; v. 239; p. 501.
- Cole, Edward S., Upper Montclair, N. J. Recording and measuring device. No. 1,236,911; Aug. 14; v. 241; p. 478.
- Cole, Elisha W. (See Cole, Eugene M. and E. W.)
- Cole, Ernest E., Chicago, Ill. Pneumatic tire. No. 1,239,886; Sept. 11; v. 242; p. 402.
- Cole, Eugene M. and E. W., Charlotte, N. C. Planter. No. 1,226,187; May 15; v. 238; p. 807.
- Cole, Francis J., Schenectady, N. Y. Locomotive driving-box. No. 1,218,375; Mar. 6; v. 236; p. 170.
- Cole, Frank L., La Fayette, Pa. Rotary internal-combustion engine. No. 1,240,947; Sept. 25; v. 242; p. 801.
- Cole, Frederick W., Newton Highlands, Mass. Fire-alarm signal-box. No. 1,239,887; Sept. 11; v. 242; p. 402.
- Cole, Frederick W., Newton Highlands, assignor to Gamewell Fire Alarm Telegraph Co., Newton Upper Falls, Mass. Binding-post. No. 1,210,764; Jan. 2; v. 234; p. 133.
- Cole, Frederick W., Newton Highlands, assignor to Gamewell Fire Alarm Telegraph Company, New York, N. Y. Signal-box. No. 1,210,765; Jan. 2; v. 234; p. 133.
- Cole, Frederick W., Newton Highlands, Mass., assignor to Gamewell Fire Alarm Telegraph Company, New York, N. Y. Signal-box having local alarms. No. 1,224,072; Apr. 24; v. 237; p. 1174.
- Cole, Frederick W., Newton Highlands, Mass., assignor to Gamewell Fire Alarm Telegraph Company, New York, N. Y. Successive non-interference signal-box. No. 1,244,587; Oct. 30; v. 243; p. 1117.
- Cole, George A., New York, N. Y. Signaling apparatus. No. 1,231,331; June 26; v. 239; p. 1114.
- Cole, Harry E., Akron, Ohio. Folding box. No. 1,230,675; June 19; v. 239; p. 855.
- Cole, Harry J., Bennington, Vt. Target-wagon. No. 1,235,439; July 31; v. 240; p. 1396.
- Cole, Harry J., Bennington, Vt. Mechanical toy. No. 1,247,226; Nov. 20; v. 244; p. 685.
- Cole, Henry B., Los Angeles, Cal. Automatic street-railway crossing. No. 1,235,113; July 31; v. 240; p. 1299.
- Cole, Henry J., Gainesville, Tex. Sand-mill toy. No. 1,213,076; Jan. 16; v. 234; p. 998.
- Cole, Henry W. N., Brooklyn, N. Y. Rotary-cylinder internal-combustion engine. No. 1,215,778; Feb. 13; v. 235; p. 490.
- Cole, Herrick S., Ocean Beach, Cal. Folding automobile-bed. No. 1,233,645; July 17; v. 240; p. 764.
- Cole, Homer L. (See Bishop and Cole.)
- Cole, Howard E., Yokohama, Japan, assignor to Standard Oil Company, Bayonne, N. J. Condenser for cooling aeriform fluids. No. 1,231,709; July 3; v. 240; p. 59.
- Cole, Ira, assignor to The Rapid Bottle Washer Co., Delphos, Ohio. Bottle-washing machine. No. 1,214,278; Jan. 30; v. 234; p. 1477.
- Cole, Ira W., Plainfield, N. J. Tire-valve. No. 1,245,873; Nov. 6; v. 244; p. 221.
- Cole, J. Edward, et al. (See Johnson, Clarence B., assignor.)
- Cole, Jay H., Binghamton, N. Y. Automatic safety elevator-gate. No. 1,225,773; May 15; v. 238; p. 666.
- Cole, John A., Baltimore, Md. Window-shade bracket. No. 1,236,269; Aug. 7; v. 241; p. 237.
- Cole, Joseph M., New York, N. Y. Ship's draft-gage. No. 1,218,525; Mar. 6; v. 236; p. 219.
- Cole, Lewis, assignor to Talk-Sing Company, Chicago, Ill. Phonograph. No. 1,244,588; Oct. 30; v. 243; p. 1117.
- Cole, Michael S., New York, N. Y. Dress-skirt attachment. No. 1,233,030; July 10; v. 240; p. 526.
- Cole, Noll S., Newbern, Tenn. Seed-saving attachment for mowers. No. 1,233,984; July 17; v. 240; p. 872.
- Cole, Robert C., assignor to The Johns-Pratt Company, Hartford, Conn. Fusible element for inclosed electrical fuses. No. 1,227,752; May 29; v. 238; p. 1399.
- Cole, Robert C., assignor to The Johns-Pratt Company, Hartford, Conn. Fuse-block. No. 1,227,753; May 29; v. 238; p. 1399.
- Cole, Robert C., assignor to The Johns-Pratt Company, Hartford, Conn. Box-fastening. No. 1,234,133; July 24; v. 240; p. 955.
- Cole, Robert C., assignor to The Johns-Pratt Company, Hartford, Conn. Inclosed electric fuse. No. 1,235,555; Aug. 7; v. 241; p. 8.
- Cole, Robert C., assignor to The Johns-Pratt Company, Hartford, Conn. Inclosed electric fuse. No. 1,244,589; Oct. 30; v. 243; p. 1117.
- Cole, Roy E., assignor to Liberty Motor Car Company, Detroit, Mich. Battery-holder. No. 1,218,056; Mar. 6; v. 236; p. 59.
- Cole, Samuel S., Cokeburg, assignor of one-fourth to W. A. Luce, Sewickley, one-fourth to W. E. Lahm, and one-fourth to W. H. Beck, Ellsworth, Pa. Buffer for railway-cars. No. 1,250,142; Dec. 18; v. 245; p. 565.
- Cole, Sherman T. (See Clauder and Cole.)
- Cole, Thomas A., Indianapolis, Ind. Fire extinguisher and alarm. No. 1,228,098; May 29; v. 238; p. 1518.
- Cole, Thomas C., Russellville, Ark. Ore-separator. No. 1,248,267; Nov. 27; v. 244; p. 1015.
- Cole, Tom R., Roff, Okla. Cotton-seed-hull-delinting machine. No. 1,246,715; Nov. 13; v. 244; p. 499.
- Cole, William A., assignor of one-half to I. S. Berkman, Chicago, Ill. Fire-extinguisher. No. 1,250,969; Dec. 25; v. 245; p. 862.
- Cole, William T., Newtown, Conn., assignor to Fabric Fire Hose Company. Hose. No. 1,235,878; Aug. 7; v. 241; p. 114.
- Coleman, Abigail, et al. (See Coleman, George W., assignor.)
- Coleman, Clyde J., New Rochelle, N. Y., assignor, by mesne assignments, to Stern-Cochran Diamond Machine Company, Inc. Polishing diamonds. No. 1,214,009; Jan. 30; v. 234; p. 1384.
- Coleman, Clyde J., New York, N. Y., assignor, by mesne assignments, to Isko, Incorporated, Detroit, Mich. Heat-insulating wall. No. 1,239,770; Sept. 11; v. 242; p. 363.

- Coleman, Clyde J., assignor, by mesne assignments, to The Hall Switch & Signal Company, New York, N. Y. Railway signaling system and apparatus. No. 1,249,902; Dec. 11; v. 245; p. 459.
- Coleman, Edward W., London, England. Percussion mechanism for explosive projectiles. No. 1,216,078; Feb. 13; v. 235; p. 599.
- Coleman, Emmett T., Fairview, Oreg. Direction-indicator for motor-vehicles. No. 1,234,448; July 24; v. 240; p. 1060.
- Coleman, George L., Dublin, Ga. Check-valve for water-towers. No. 1,236,056; Aug. 7; v. 241; p. 172.
- Coleman, George S., Newark, N. J. Electric sign. No. 1,250,143; Dec. 18; v. 245; p. 565.
- Coleman, George W., assignor of three-fourths to A. Coleman and one-fourth to J. N. Ramsey, Cincinnati, Ohio. Heating system. No. 1,239,564; Sept. 11; v. 242; p. 297.
- Coleman, Hale S., Ashland, Wis. Mechanical toy. No. 1,245,089; Oct. 30; v. 243; p. 1268.
- Coleman, Harry H., New York, N. Y. Walking doll. No. 1,221,970; Apr. 10; v. 237; p. 371.
- Coleman, James N., Montreal, Quebec, Canada. Truck-retaining center-bearing. No. 1,243,387; Oct. 16; v. 243; p. 678.
- Coleman, John P., Edgewood borough, Pa., assignor, by mesne assignments, to The Position-Light Signal Company. Signal. No. 1,211,676; Jan. 9; v. 234; p. 478.
- Coleman, John P., Edgewood borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-control apparatus. No. 1,230,868; June 26; v. 239; p. 957.
- Coleman, John P., Edgewood borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. No. 1,238,887; Sept. 4; v. 242; p. 53.
- Coleman, John P., Edgewood borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. No. 1,238,888; Sept. 4; v. 242; p. 54.
- Coleman, John P., Edgewood borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-control apparatus. No. 1,238,889; Sept. 4; v. 242; p. 54.
- Coleman, Kyster B., Scottsburg, assignor of one-half to J. E. Green, Jr., Clover, Va. Crossing-signal for railways. No. 1,241,608; Oct. 2; v. 243; p. 46.
- Coleman, Lewis A., assignor to American Chemical & Manufacturing Company, Inc., Norfolk, Va. Oil and making the same. No. 1,223,150; Apr. 17; v. 237; p. 824.
- Coleman, Lewis A., assignor to American Chemical & Manufacturing Company, Inc., Norfolk, Va. Water-proof filler. No. 1,233,190; July 10; v. 240; p. 579.
- Coleman, Maurice B., West Newton, Mass. Sanitary connection. No. 1,226,469; May 15; v. 238; p. 902.
- Coleman, Richard H., Eunice, La. Spoke-billet, manufacture and product. No. 1,238,890; Sept. 4; v. 242; p. 54.
- Coleman, Selmon. (See Brown, William, assignor.)
- Coleman, Thomas A., assignor to P. Vredenburg, Jr., Vredenburg, Ala. Feeding-roller for lath and bolter mills. No. 1,233,985; July 17; v. 240; p. 872.
- Coleman, Thomas A., assignor to P. Vredenburg, Jr., Vredenburg, Ala. Feed-roller construction. No. 1,241,925; Oct. 2; v. 243; p. 146.
- Coleman, William B. (See Traut and Coleman.)
- Coleman, William C., Portland, Oreg. Wearing-apparel. No. 1,222,735; Apr. 17; v. 237; p. 681.
- Coleman, William J., Hyde Park, Mass. Guard device for vessels. No. 1,235,440; July 31; v. 240; p. 1396.
- Coleman, William W., New York, N. Y. Bond-wire connector. No. 1,241,497; Oct. 2; v. 243; p. 6.
- Colen, Jerome L., Mount Vernon, N. Y. Bicycle-rack. No. 1,232,501; July 10; v. 240; p. 355.
- Coles, Walter H., Troy, Ohio. Gearing. No. 1,232,658; July 10; v. 240; p. 404.
- Coles, Walter H., Troy, Ohio. Pipe-coupling for irrigating systems. No. 1,235,657; Aug. 7; v. 241; p. 41.
- Coleston, Claude E., Fellows, assignor of one-half to M. H. Whittier, Los Angeles, Cal. Automatic safety-brake for railways. No. 1,224,865; May 1; v. 238; p. 264.
- Colgan, James W., et al. (See Scott, Jacob R., assignor.)
- Colgan, Seth P., and W. Frederick, Beaver City, Nebr. Device for recovering pipes, shafts, &c., from wells. No. 1,223,034; Apr. 17; v. 237; p. 783.
- Colgate, Henry A., West Orange, N. J. Holder for shaving-sticks. No. 1,238,744; Sept. 4; v. 242; p. 8.
- Collapso Products Company. (See Stone, Harry A., assignor.)
- Collar, Drucilla, Florence, Colo. Fireless cooker or roaster. No. 1,229,032; June 5; v. 239; p. 221.
- Collar, Matt. (See Nelson and London, assignors.)
- Coller, Rudolph, Gresham, Wis. Sight. No. 1,223,476; Apr. 24; v. 237; p. 966.
- Collet, Albert, assignor to Société Maurice et Pierre Collet et Cie., Paris, France. Machine for grooving and boring railway-ties. No. 1,210,908; Jan. 2; v. 234; p. 183.
- Collett, George A., assignor of one-half to C. D. Staplin, Macon, Mo. Snap-hook. No. 1,243,590; Oct. 16; v. 243; p. 739.
- Collette, Austin B., Everett, Mass., assignor to American Steam Gauge & Valve Manufacturing Co. Gauge-spring. No. 1,238,109; Aug. 28; v. 241; p. 931.
- Colleys, Henry E., Hammond, Ind. Folding crate. No. 1,242,772; Oct. 9; v. 243; p. 455.
- Collier, Barron G. (See Ash, Marselius T., assignor.)
- Collier, Harry G., Muncie, Ind. Fastener for car-doors. No. 1,213,155; Jan. 23; v. 234; p. 1059.
- Collier, John F., South Aberdeen, Wash. Loading apparatus. No. 1,213,077; Jan. 16; v. 234; p. 999.
- Collier, John J., Irwin, Pa. Mine-shaft gate. No. 1,211,412; Jan. 9; v. 234; p. 389.
- Collier, Thomas M., Shawnee, Okla. Incubator. No. 1,216,949; Feb. 20; v. 235; p. 953.
- Collier, William H., Nashville, Tenn. Concealed-hinge construction for doors, &c. No. 1,221,684; Apr. 3; v. 237; p. 237.
- Collier, William H., Brentwood, Tenn. Door-latch. No. 1,221,685; Apr. 3; v. 237; p. 237.
- Collin, George W., Bridgeport, Conn. Self-cleaning strainer for liquids. No. 1,216,547; Feb. 20; v. 235; p. 817.
- Colling, Ralph, Benton county, Oreg. Musical instrument. No. 1,246,055; Nov. 13; v. 244; p. 303.
- Collings, William A. (See Green, Herbert P., assignor.)
- Collings, William A. (See Heidenreich and Collings.)
- Collings, William A., Kansas City, Mo. Connector for reinforcing-rods. No. 1,213,589; Jan. 23; v. 234; p. 1212.
- Collings, William A., Kansas City, Mo. Safety-blade knife. No. 1,228,409; June 5; v. 239; p. 12.
- Collings, William A., Kansas City, Mo. Automatic drawer locking and closing device. No. 1,241,093; Sept. 25; v. 242; p. 846.
- Collings, William A., Kansas City, Mo. Shoe mud-guard. No. 1,242,923; Oct. 16; v. 243; p. 587.
- Collings, William A., Kansas City, Mo. Double-headed nail. No. 1,242,924; Oct. 16; v. 243; p. 587.
- Collins, Arthur L., San Francisco, Cal. Measuring the viscosity of fluids. No. 1,224,142; May 1; v. 238; p. 9.
- Collins, Edgar F., Schenectady, N. Y., assignor to General Electric Company. Resistance unit and making the same. No. 1,233,191; July 10; v. 240; p. 579.
- Collins, Edward H., Sioux Falls, S. D. Door-closing device. No. 1,217,414; Feb. 27; v. 235; p. 1157.
- Collins, Elba O., Chillicothe, Ohio. Operating-tool for split tire-rims. No. 1,234,631; July 24; v. 240; p. 1116.
- Collins, Francis A., Jr., assignor to Auburn Ball Bearing Company, Rochester, N. Y. Ball-bearing. No. 1,219,919; Mar. 20; v. 236; p. 773.
- Collins, Francis A., Jr., assignor to Auburn Ball Bearing Company, Rochester, N. Y. Ball-bearing. No. 1,219,920; Mar. 20; v. 236; p. 773.
- Collins, Francis A., Jr., assignor to Auburn Ball Bearing Company, Rochester, N. Y. Ball-bearing. No. 1,219,921; Mar. 20; v. 236; p. 774.
- Collins, Frank W., Cortland, N. Y. Vehicle-robe. No. 1,211,290; Jan. 2; v. 234; p. 315.
- Collins, Frederick H., San Francisco, and M. L. Pellett, Berkeley, Cal. Incinerator. No. 1,230,380; June 19; v. 239; p. 756.
- Collins, George R., et al. (See Howard, George D., assignor.)
- Collins, George W., Holyoke, Mass. Hinge construction. No. 1,243,815; Oct. 23; v. 243; p. 846.
- Collins, Herbert G. (See Page and Collins.)
- Collins, Herbert W., Grand Forks, British Columbia, Canada. Hat-fastener. No. 1,238,639; Aug. 28; v. 241; p. 1104.
- Collins, John J., Oakland, Cal. Manually-controlled auxiliary air-inlet for carbureters. No. 1,223,670; Apr. 24; v. 237; p. 1036.
- Collins, John P. (See Henschen, William H., assignor.)
- Collins, John T., Kokomo, Ind. Heating system. No. 1,231,850; July 3; v. 240; p. 106.
- Collins, Julius M., Brooklyn, N. Y. Ash-sifter. No. 1,229,033; June 5; v. 239; p. 221.
- Collins, Lee A., Louisville, Ky. Burglar-alarm. No. 1,229,034; June 5; v. 239; p. 222.
- Collins, Lee A., Louisville, Ky. Toy phonograph. No. 1,245,568; Nov. 6; v. 244; p. 129.
- Collins, Lucius J., Minneapolis, Minn. Automobile sled-runner. No. 1,229,889; June 12; v. 239; p. 559.
- Collins, Oliver P., McKeesport, assignor of one-third to T. Y. Cross and one-third to B. R. Fec, Pittsburgh, Pa. Machine for folding and shearing sheet metal. No. 1,221,686; Apr. 3; v. 237; p. 237.
- Collins, Samuel F. (See Barth and Collins.)
- Collins, Simon C., Bainbridge, Pa. Nut-lock. No. 1,231,851; July 3; v. 240; p. 106.
- Collins, Thomas E., Chicago, Ill. Fire-door. No. 1,237,300; Aug. 21; v. 241; p. 638.
- Collins, Thomas E., Chicago, Ill. Fire-shutter. No. 1,242,658; Oct. 9; v. 243; p. 419.
- Collins, Walter L., Milford, Mass. Building-wall. No. 1,240,121; Sept. 11; v. 242; p. 471.
- Collins, William A., Kewanna, Ind. Green-corn cutter. No. 1,239,353; Sept. 4; v. 242; p. 203.
- Collins, William L., Pittsburgh, Pa. Shade-holder. No. 1,225,700; May 8; v. 238; p. 598.
- Collins, William M. (See Procnier, Frank R., assignor.)
- Collinson, Francis E., London, England, assignor of one-half to Taylor Instrument Companies, Rochester, N. Y. Safety device for pressure-indicators. No. 1,239,565; Sept. 11; v. 242; p. 298.

Alphabetical list of patentees—Continued.

- Collinson, John W., Greenwood, assignor to A. J. Lloyd Company, Boston, Mass. Instrument for testing lenses. No. 1,210,606; Jan. 2; v. 234; p. 78.
- Collis Company, The. (See Collis, George, assignor.)
- Collis Company, The. (See Weyburn, Lewis A., assignor.)
- Collis, Florence M., executrix. (See Collis, George.)
- Collis, George, assignor to The Collis Co., Clinton, Iowa. Truck. No. 1,239,771; Sept. 11; v. 242; p. 363.
- Collis, George, deceased; F. M. Collis, executrix, assignor to The Collis Company, Clinton, Iowa. Poultry-rack. No. 1,222,072; Apr. 10; v. 237; p. 404.
- Collis, Henry J., Taunton, Mass. Buckle for wristbands and similar uses. No. 1,223,671; Apr. 24; v. 237; p. 1037.
- Collis, Henry J., Taunton, Mass. Ankle support and protector. No. 1,231,332; June 26; v. 239; p. 1114.
- Collis, Lloyd, New York, N. Y. Railway-switch. No. 1,223,151; Apr. 17; v. 237; p. 824.
- Collister, Nelson C., Cleveland, and C. R. McDonald, East Liverpool, Ohio, assignors, by mesne assignments, to A. Leich and J. Berner, Milwaukee, Wis. Ice-cream machine. No. 1,218,985; Mar. 13; v. 236; p. 421.
- Collom, Martin H., Denver, Colo. Valve mechanism for steam-heated rotary cylinders. No. 1,227,040; May 22; v. 238; p. 1133.
- Collord, George L., Sharpsville, Pa., assignor to Blast Furnace Appliances Company, Cleveland, Ohio. Blast-furnace. No. 1,234,630; July 24; v. 240; p. 1116.
- Collum, David N., Bloomington, Ill. Corn-planter. No. 1,244,957; Oct. 30; v. 243; p. 1228.
- Colman, George E., Boston, Mass. Bowling-alley. No. 1,245,684; Nov. 6; v. 244; p. 165.
- Colman, Howard D., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Machine for preparing warps for weaving. No. 1,211,677; Jan. 9; v. 234; p. 478.
- Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Bobbin-handling apparatus. No. 1,226,606; May 15; v. 238; p. 945.
- Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Bobbin-sorter. No. 1,227,118; May 22; v. 238; p. 1160.
- Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Winder. No. 1,227,754; May 29; v. 238; p. 1400.
- Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Creel. No. 1,228,410; June 5; v. 239; p. 12.
- Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Yarn-carrier. No. 1,236,822; Aug. 14; v. 241; p. 451.
- Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Traverse mechanism for winding-machines. No. 1,239,669; Sept. 11; v. 242; p. 331.
- Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Winder. No. 1,239,670; Sept. 11; v. 242; p. 331.
- Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Textile apparatus. No. 1,245,874; Nov. 6; v. 244; p. 221.
- Colman, Royal C. (See Jillson, Edward L. and W. R., Jr., assignors.)
- Colomyjczuk, Nicola, South Porcupine, Ontario, Canada. Ordnance. No. 1,217,415; Feb. 27; v. 235; p. 1157.
- Colonial Scale Company. (See Barnard, Arthur W., assignor.)
- Colonial Steel Company. (See Dunlevy, David W., assignor.)
- Colonial Trust Company, The, trustee. (See Bailey, James N., assignor.)
- Colonial Trust Company, The, trustee. (See Mensforth, Holberry, assignor.)
- Colorado Iron Works Company. (See Bucher and Akins, assignors.)
- Colpitts, Calvin N., North Chelmsford, Mass. Tack-strip. No. 1,247,933; Nov. 27; v. 244; p. 922.
- Colpitts, Edwin H., East Orange, N. J., assignor, by mesne assignments, to American Telephone & Telegraph Company. System for the transmission of intelligence. (Reissue.) No. 14,380; Oct. 23; v. 243; p. 1037.
- Colquhoun, Robert T., Vancouver, British Columbia, Canada. Internal-combustion engine. No. 1,242,148; Oct. 9; v. 243; p. 257.
- Colson, Frankie M., Salt Lake City, Utah. Supporter. No. 1,225,581; May 8; v. 238; p. 559.
- Colson, Robert J., St. Louis, Mo. Wrench. No. 1,231,131; June 26; v. 239; p. 1049.
- Colsten, Herbert B., Great Bend, Pa. Train-stop. No. 1,222,529; Apr. 10; v. 237; p. 566.
- Colt, Annie F., executrix. (See Garis-Cochrane, Josephine.)
- Colt, Le Baron C., Bristol, R. I., assignor to National India Rubber Company. Apparatus for varnishing rubber shoes. No. 1,225,013; May 8; v. 238; p. 367.
- Colt, Peter H., Warren, Pa. Folding coop and crib. No. 1,223,257; Apr. 17; v. 237; p. 857.
- Colt, Samuel S., Orange, N. J. Molding apparatus. No. 1,217,416; Feb. 27; v. 235; p. 1158.
- Colt, Samuel S., Orange, N. J. Molding apparatus. No. 1,227,041; May 22; v. 238; p. 1133.
- Colt, Samuel S., Orange, N. J. Molding apparatus. No. 1,244,958; Oct. 30; v. 243; p. 1229.
- Coltman, Alfred. (See Donisthorpe and Coltman.)
- Colton, Edward A., Galesburg, Ill. Trolley-pole-controlling device. No. 1,212,326; Jan. 16; v. 234; p. 737.
- Colton, Richard V. (See Kotter, Colton, and Schwerlin.)
- Colt's Patent Fire Arms Manufacturing Company. (See Fansley, George H., assignor.)
- Columbia Axle Company, The. (See Fries, Robert E., assignor.)
- Columbia Chemical Company. (See Galt, Hugh A., assignor.)
- Columbia Paper Bag Company. (See Bartlett, John H., assignor.)
- Columbia Postal Supply Company. (See Ielfield, August, assignor.)
- Columbia Machine Works and Malleable Iron Company. (See Smith, Leo O., assignor.)
- Columbia Manufacturing Company. (See Bowers, Lionel F., assignor.)
- Columbia Weighing Machine Company. (See Hiesel, Reuben H., assignor.)
- Columbo, Nicola, Cleveland, Ohio. Combined cooking and heating stove. No. 1,221,146; Apr. 3; v. 237; p. 50.
- Columbus Dental Manufacturing Company, The. (See Steele, Thomas, assignor.)
- Columbus Die, Tool & Machine Company. (See Buerk, Hans, assignor.)
- Columbus Die Tool & Machine Company, The. (See Buerk and Happel, assignors.)
- Columbus Vending Company, The. (See Kuhn, Louis V., assignor.)
- Colvin, Charles H., Chattanooga, Tenn., assignor to E. E. Colvin. Flushing mechanism for water-closets. No. 1,218,610; Mar. 6; v. 236; p. 249.
- Colvin, Elizabeth E. (See Colvin, Charles H., assignor.)
- Colvin, Orlando L., Zanesville, Ohio. Corn-knife. No. 1,217,154; Feb. 27; v. 235; p. 1069.
- Colvin, William, Cincinnati, Ohio. Collapsible automobile-fender. No. 1,241,709; Oct. 2; v. 243; p. 76.
- Colwell, Allen J., Providence, R. I., assignor to Colwell Cigar Machine Company, Incorporated. Machine for making cigars. No. 1,231,132; June 26; v. 239; p. 1049.
- Colwell Cigar Machine Company. (See Colwell, Allen J., assignor.)
- Colyer, Cyrus C. (See Cohen and Colyer.)
- Combination Auto Lock Company. (See Leach, Harry A., assignor.)
- Combination Machine Company. (See Peterson, Jonathan, assignor.)
- Combined Heat and Sprinkler Company. (See Hammond, Wilberforce B., assignor.)
- Combs, A. J., Sr. (See Whiteker, Bosque M., assignor.)
- Combs, James R. (See Rein and Combs.)
- Combs, James R., Dinsmore, Fla. Computing-machine. No. 1,218,376; Mar. 6; v. 236; p. 170.
- Combustion Economy Corporation. (See Grindle, Aubrey J., assignor.)
- Combustion Specialty Co. (See Manhire, William J., assignor.)
- Comeau, Augustine F., assignor of one-half to J. Gaudet, Portland, Me. Window-screen and similar device. No. 1,211,920; Jan. 9; v. 234; p. 566.
- Comeau, Hilaire J., Hartford, Conn. Collar-fastener. No. 1,221,290; Apr. 3; v. 237; p. 103.
- Comee, Joseph F., assignor to Camel Company, Chicago, Ill. Car-door. No. 1,230,567; June 19; v. 239; p. 821.
- Comer, Andrew J., Cullison, Kans. Windmill-engine. No. 1,220,196; Mar. 27; v. 236; p. 908.
- Comer, Andrew J., Cullison, Kans. Eyeglass-holder. No. 1,238,496; Aug. 28; v. 241; p. 1057.
- Comer, Guy W., assignor to Auto-Signal Co., Chicago, Ill. Electrical signaling device. No. 1,229,035; June 5; v. 239; p. 222.
- Comer, Guy W., assignor to Auto-Signal Co., Chicago, Ill. Vehicle-signal. No. 1,237,019; Aug. 14; v. 241; p. 514.
- Comer, John J., assignor to Automatic Enunciator Company, Chicago, Ill. Sound-reproducer. No. 1,230,676; June 19; v. 239; p. 855.
- Comer, John J., assignor to Automatic Enunciator Company, Chicago, Ill. Loud-speaking telephone system. No. 1,234,134; July 24; v. 240; p. 955.
- Comer, John L., assignor of one-half to M. L. Heiner, Leaksville, N. C. Automatic window. No. 1,248,268; Nov. 27; v. 244; p. 1016.
- Comerford, Francis J., et al. (See Davis, Edwin C., assignor.)
- Comerford, Walter G., et al. (See Davis, Edwin C., assignor.)
- Comerma, John, assignor, by mesne assignments, to J. Carra, New York, N. Y. Sound-absorbing material and making same. No. 1,230,381; June 19; v. 239; p. 757.
- Comfort, Edward W. (See Thompson and Comfort.)
- Comi, Girolamo, assignor of one-half to S. Stewart, Cobalt, Conn. Turf-edge trimmer. No. 1,237,752; Aug. 21; v. 241; p. 786.
- Coming Manufacturing Company, The. (See Bunnell, Morton G., assignor.)
- Comings, William R., Wharnccliffe, Wimbledon Park, England. Washer and attaching means therefor. No. 1,250,433; Dec. 18; v. 245; p. 653.
- Comings, William R., Wharnccliffe, Wimbledon Park, and E. J. Hall, Catford, England. Apparatus for making and securing box lids and bottoms. No. 1,221,835; Apr. 10; v. 237; p. 322.

- Comins, Frank B., Newton, Mass. Psychrometer. No. 1,234,529; July 24; v. 240; p. 1085.
- Comins, Frank B., Newton, Mass., assignor to American Moistening Company. Nozzle. No. 1,245,569; Nov. 6; v. 244; p. 129.
- Comins, Vernon S., Syracuse, assignor of one-half to W. H. Farnham, Oneida, N. Y. Clothes-drier. No. 1,246,884; Nov. 20; v. 244; p. 587.
- Commercial Acetylene Company, The. (See Bruckner, Rudolph E., assignor.)
- Commercial Camera Company. (See Greene, John S., assignor.)
- Commercial Car Unit Company. (See Hudson, William F., assignor.)
- Commercial Colortype Company. (See Waggoner, Frank H., assignor.)
- Commercial Machine Company. (See Ames, Arthur N., assignor.)
- Commercial Research Company, The. (See Eldred, Byron E., assignor.)
- Commercial Research Company, The. (See Humphries, Chad H., assignor.)
- Commercial Truck Company of America. (See Melia, Martin, assignor.)
- Commercial Truck Company of America. (See Whitney, Frank E., assignor.)
- Commonwealth Steel Company. (See Frede, Charles F., assignor.)
- Commonwealth Steel Company. (See Howe, Andrew F., assignor.)
- Commonwealth Steel Company. (See Shallenberger, Charles S., assignor.)
- Commonwealth Steel Company. (See Sheehan, William M., assignor.)
- Commonwealth Steel Company. (See Westlake, Charles T., assignor.)
- Compagne, Lawrence. (See Berglund, Herman, assignor.)
- Compagnie d'Incineration Industrielle. (See Brechot, Arthur, assignor.)
- Compagnie Des Forges Et Acieries De La Marine Et D'Homecourt. (See Rimailho, Emile, assignor.)
- Compagnie pour la Fabrication des Compteurs et Material d'Usines a Gaz. (See Heeley, George, assignor.)
- Compania Exploradora Navezten. (See Carmona, Francisco F., assignor.)
- Company of Levinstein Limited. (See Levinstein, Ivan, assignor.)
- Company of Whipp Bros. & Tod Limited. (See Craig, Thomas J. I., assignor.)
- Compound Heater Mfg. Company, The. (See Fischer, William C., assignor.)
- Compton, Charles A., San Francisco, Cal. Warming-receptacle. No. 1,223,311; Apr. 17; v. 237; p. 875.
- Compton, Clarence D., New York, N. Y. Poppet-valve. No. 1,213,590; Jan. 23; v. 234; p. 1212.
- Compton, Glenn A., Minneapolis, Minn. Collapsible arch-form. No. 1,211,291; Jan. 2; v. 234; p. 315.
- Compton, Joseph B., Buchanan, assignor of one-half to F. T. D. Wallace, Jr., Louisa, Ky. Steering mechanism for motor-vehicles. No. 1,217,155; Feb. 27; v. 235; p. 1069.
- Compton, Paul, St. Louis, Mo. Advertising device. No. 1,212,741; Jan. 16; v. 234; p. 885.
- Compton, William H., Indianapolis, Ind. Loading device. No. 1,245,875; Nov. 6; v. 244; p. 222.
- Computing Scale Company, The. (See Hopkinson, Joseph, assignor.)
- Computing Scale Company, The. (See Hopkinson and Maltby, assignors.)
- Comstock Automatic Pump Co. (See Deal, Lincoln S., assignor.)
- Comstock Automatic Pump Co. (See Velej, Carl J., assignor.)
- Comstock, Charles W., Dilley, Oreg., assignor of one-half to R. G. Bayer, Natick, Mass. Rotary valve. No. 1,248,080; Nov. 27; v. 244; p. 961.
- Comstock, Clark S., Sr., East Orange, N. J. Garment-loop. No. 1,232,502; July 10; v. 240; p. 355.
- Comstock, Clark S., Sr., East Orange, N. J. Garment-loop. No. 1,232,503; July 10; v. 240; p. 356.
- Comstock, Clark S., Sr., East Orange, N. J. Garment-loop. No. 1,234,135; July 24; v. 240; p. 956.
- Comstock, Clark S., Sr., East Orange, N. J. Garment-slide. No. 1,240,825; Sept. 25; v. 242; p. 762.
- Comstock, Clark S., Sr., East Orange, N. J. Garment loop or buckle. No. 1,250,284; Dec. 18; v. 245; p. 608.
- Comstock, Daniel F., Brookline, assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Light-dividing means for optical apparatus. No. 1,231,710; July 3; v. 240; p. 59.
- Comstock, Daniel F., Brookline, assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Forming, and transparency for producing, colored projected images. No. 1,232,504; July 10; v. 240; p. 356.
- Comstock, Harry, Mineville, N. Y. Primer-retainer for dynamite-cartridges. No. 1,223,035; Apr. 17; v. 237; p. 783.
- Comstock, Harry, Mineville, N. Y. Primer-retainer for dynamite-cartridges. No. 1,230,121; June 19; v. 239; p. 671.
- Comstock, Ira M. (See Flanders, Bert W., assignor.)
- Comstock, Joseph. (See Phelps, Kirk, and Comstock.)
- Conant, Franklin N. (See Buchanan and Conant.)
- Conant, James B., Cambridge, Mass., assignor to Semet-Solvay Company. Producing benzyl chlorid. No. 1,233,986; July 17; v. 240; p. 873.
- Conard, Cyrus J., Olney Springs, Colo. Renewing worn-out plow-points. No. 1,241,094; Aug. 25; v. 242; p. 846.
- Concato, Girolamo, Brooklyn, N. Y. Shock-absorber. No. 1,218,171; Mar. 6; v. 236; p. 98.
- Conceicao, Julio, Santos, Brazil. Exterminator. No. 1,245,685; Nov. 6; v. 244; p. 165.
- Conces, Vincent J., Sr., East Chicago, Ind. Castings shaking and jolting machine. No. 1,216,212; Feb. 13; v. 235; p. 647.
- Conces, Vincent J., Sr., and V. J., Jr., East Chicago, Ind. Car-wheel. No. 1,215,252; Feb. 6; v. 235; p. 269.
- Concoff, Isaac R. (See Trimble and Concoff.)
- Concordia Safety Lamp Company, The. (See Koch, Richard, assignor.)
- Concrete Forms Company, The. (See Baker, Hugh J., assignor.)
- Concrete Mixing and Conveying Co. (See Leake, Thomas S., assignor.)
- Concrete Mixing & Conveying Company. (See MacMichael, John H., assignor.)
- Concrete Piling Company. (See Bignell, Edward, assignor.)
- Concrete Products Company of Pittsburgh. (See Buente, Charles F., assignor.)
- Concrete Stave Silo Company, The. (See Wahl, Eugene J., assignor.)
- Concrete Steel Company. (See Brooks, David W., assignor.)
- Condé, Max, assignor to H. Korber, New York, N. Y. Game apparatus. No. 1,213,337; Jan. 23; v. 234; p. 1124.
- Condensite Company of America. (See Aylsworth, Jonas W., assignor.)
- Condensite Company of America. (See Brown, Kirk, assignor.)
- Condit, George M., assignor to American Ring Company, Waterbury, Conn. Electric-lamp-shade holder. No. 1,238,640; Aug. 28; v. 241; p. 1104.
- Condit, Sears B., Jr. (See Burnham, George A., assignor.)
- Condit, Sears G., Jr. (See Burnham, George A., assignor.)
- Conditto, George C., Wingdale, N. Y. Lifting-jack. No. 1,240,122; Sept. 11; v. 242; p. 471.
- Condon, Edward L. (See Pickard and Condon.)
- Condon, William A. (See Nielsen, Aage, assignor.)
- Condon, William A. (See Nielsen, Aage A. J. M., assignor.)
- Cone, Frank L., Windsor, Vt., assignor, by mesne assignments, to The National-Acme Company, Cleveland, Ohio. Metal-working machine. No. 1,215,000; Feb. 6; v. 235; p. 184.
- Cone, Frank L., Windsor, Vt., assignor, by mesne assignments, to The National-Acme Company, Cleveland, Ohio. Multiple-spindle metal-working machine. No. 1,224,714; May 1; v. 238; p. 214.
- Cone, Lee E. H., assignor to The Dow Chemical Company, Midland, Mich. Making indoxyl and derivatives. No. 1,211,413; Jan. 9; v. 234; p. 389.
- Cone, Lee E. H., assignor to The Dow Chemical Company, Midland, Mich. Making indoxyl and derivatives. (Reissue.) No. 14,364; Sept. 25; v. 242; p. 969.
- Confectioners and Bakers Supply Co. (See Dickson, George F., assignor.)
- Conger, Charles A., Oakland, Cal. Automobile-lock. No. 1,237,753; Aug. 21; v. 241; p. 786.
- Conger, Frank W., Hogan, Mont. Trap-nest. No. 1,216,213; Feb. 13; v. 235; p. 647.
- Congoleum Company, The. (See Foster, Frank B., assignor.)
- Congoleum Company, The. (See Jackson, Ralph G., assignor.)
- Congoleum Company, The. (See Prifold, George, assignor.)
- Conjoint Jewelry Corporation, Inc. (See Grafstein, Josef, assignor.)
- Conkey, Leonard L., Lawrence, Mich. Acetylene-gas generator. No. 1,247,934; Nov. 27; v. 244; p. 922.
- Conklin, A. B., et al. (See Munroe, William H., assignor.)
- Conklin, Bruce, Westminster, England. Internal-combustion rotary engine. No. 1,246,885; Nov. 20; v. 244; p. 587.
- Conklin, Elon K., Hartford, Mich. Apparatus for erecting concrete silos and similar structures. No. 1,213,838; Jan. 30; v. 234; p. 1325.
- Conklin, Harry R., Joplin, Mo. Method and apparatus for determining subterraneous conductors. No. 1,241,197; Sept. 25; v. 242; p. 878.
- Conklin, Oliver F., assignor to Remy Electric Company, Anderson, Ind. Article composed partly of rubber or the like. No. 1,218,596; Mar. 6; v. 236; p. 244.
- Conklin Pen Manufacturing Company, The. (See Mooney, Frank H., assignor.)
- Conklin, Thomas J., assignor to The Charles Parker Company, Meriden, Conn. Coffee-mill. No. 1,248,458; Dec. 4; v. 245; p. 9.
- Conklin, William F., Tarentum, Pa. Clutch. No. 1,215,779; Feb. 13; v. 235; p. 491.
- Conklin, William F., Tarentum, and E. B. Todd, Brackenridge, Pa. Plunger-actuating mechanism for pickling-tanks. No. 1,243,488; Oct. 16; v. 243; p. 709.
- Conkling, Harry W. (See Watkins, William D., assignor.)

Alphabetical list of patentees—Continued.

- Conlan, William F., Cleveland, Ohio. Headlight-dimmer. No. 1,219,628; Mar. 20; v. 236; p. 672.
- Conley, George W., Wheaton, Ill. Tobacco-pipe. No. 1,213,156; Jan. 23; v. 234; p. 1059.
- Conley, George W., Wheaton, Ill. Smoking-pipe. No. 1,236,545; Aug. 14; v. 241; p. 359.
- Conley, Thomas J. (See Walsh, John L., assignor.)
- Conlon, Patrick J., North Adams, Mass. Casting-mold. No. 1,228,182; May 29; v. 238; p. 1544.
- Conlon, Walter J., Chicago, Ill. Wringer-reversing-gear box. No. 1,235,745; Sept. 4; v. 242; p. 8.
- Conn, Byron O. (See Root, Charles F., assignor.)
- Conn, C. G. (See Manning, George A., assignor.)
- Connan, Charles A., Portland, Oreg. Carpet-picking machine. No. 1,229,415; June 12; v. 239; p. 400.
- Conn, Charles G. (See Foster, Eugene L., assignor.)
- Conn, Charles G., Elkhart, Ind. Cornet. No. 1,218,057; Mar. 6; v. 236; p. 59.
- Conn, Charles G., Elkhart, Ind. Key-seat for wind musical instruments. No. 1,223,563; Apr. 24; v. 237; p. 998.
- Conn, Charles G., Elkhart, Ind. Cornet. No. 1,240,177; Sept. 18; v. 242; p. 527.
- Conn, Creed, *et al.* (See Boggs, Nathan, assignor.)
- Conn, David G., Roseburg, Oreg. Stanchion. No. 1,214,428; Jan. 30; v. 234; p. 1528.
- Conn, Henry P., *et al.* (See Boggs, Nathan, assignor.)
- Conn, Isaac D., Wellington, Tex. Hame-hook. No. 1,217,916; Mar. 6; v. 236; p. 11.
- Conn, Robert W. (See McPherson, Amelia, assignor.)
- Connally, James C., and J. D. Russell, Jacksonville, Fla. Folding cot. No. 1,246,716; Nov. 13; v. 244; p. 500.
- Connecticut Telephone & Electric Company, The. (See Cavanagh, John F., assignor.)
- Connecticut Telephone & Electric Company. (See Donle, Harold P., assignor.)
- Connecticut Telephone & Electric Company. (See Lawton, Burton L., assignor.)
- Connecticut Telephone & Electric Company. (See Stahl and Cavanagh, assignors.)
- Connecticut Telephone & Electric Company, The. (See Wilcox, Ernest C., assignor.)
- Connecticut Web and Buckle Company, The. (See Cleary, Edward, assignor.)
- Connell, Dan J., Butte, Mont. Package-tie. No. 1,237,020; Aug. 14; v. 241; p. 514.
- Connell, Edward. (See Inglis, Charles E., assignor.)
- Connell, Harry W., Newark, N. J. Differential mechanism for automobiles. No. 1,217,917; Mar. 6; v. 236; p. 11.
- Connell, Harry W., Bloomfield, N. J. Differential mechanism. No. 1,217,918; Mar. 6; v. 236; p. 11.
- Connell, James J., Detroit, Mich. Billiard-cue tip. No. 1,230,122; June 19; v. 239; p. 672.
- Connell, Walter J., Dorchester, Mass. Step-ladder attachment. No. 1,216,214; Feb. 13; v. 235; p. 648.
- Connelley, Edward, and C. C. Crew, Houston, Tex. Forming walls. No. 1,215,115; Feb. 6; v. 235; p. 221.
- Connelly, Alma G., Cleveland, Ohio. Device for removing stones or seeds from fruits or vegetables. No. 1,230,123; June 19; v. 239; p. 672.
- Connelly, Eugene P., Boston, Mass. Refrigerating apparatus. No. 1,233,755; July 17; v. 240; p. 797.
- Connelly, James E., Fort Wayne, Ind. Loom filler-carrier. No. 1,211,678; Jan. 9; v. 234; p. 479.
- Connelly, Myles A., Youngstown, Ohio. Apparatus for leveling and tamping concrete road-beds. No. 1,238,497; Aug. 28; v. 241; p. 1058.
- Conner, Caleb J., Coatesville, Pa. Electrical testing apparatus. No. 1,225,014; May 8; v. 238; p. 367.
- Conner, Clarence D., Tupelo, Miss. Attachment for paper cutters or knives. No. 1,216,950; Feb. 20; v. 235; p. 953.
- Conner, George W. and R., Mount Pleasant, Iowa. Clutch. No. 1,228,411; June 5; v. 239; p. 13.
- Conner, Jacob E., New Brighton, N. Y. Outdoor rug. No. 1,237,243; Aug. 14; v. 241; p. 583.
- Conner, John L., Washington, D. C. Measuring instrument. No. 1,229,233; June 12; v. 239; p. 338.
- Conner, May. (See Scott, Luther, assignor.)
- Conner, May, Garden Grove, Iowa. Combined egg-beater and potato-masher. No. 1,214,010; Jan. 30; v. 234; p. 1334.
- Conner, May, Garden Grove, Iowa. Hay-handling device. No. 1,229,036; June 5; v. 239; p. 222.
- Conner, Ray. (See Conner, George W. and R.)
- Conner, William, Philadelphia, Pa. Hat. No. 1,212,132; Jan. 9; v. 234; p. 636.
- Connerville Blower Company. (See Houghton, Carl R., assignor.)
- Connerton, William E., Fall River, Mass. Bevel-gear puller. No. 1,227,583; May 29; v. 238; p. 1341.
- Connet, Frederick N., Providence, R. I. Velocity-equalizing apparatus. No. 1,250,434; Dec. 18; v. 245; p. 654.
- Connolly, Frank A., Pompton Lakes, N. J. Mixing and cooling machine. No. 1,250,435; Dec. 18; v. 245; p. 654.
- Connolly, James E., Baltimore, Md. Hanger for collapsible containers. No. 1,243,140; Oct. 16; v. 243; p. 605.
- Connolly, Patrick J., Youngstown, Ohio, assignor of one-half to E. R. Lewis. Curtain-stretcher. No. 1,219,035; Mar. 13; v. 236; p. 454.
- Connolly, William, Manchester, England. Traverse-mechanism gearing. No. 1,245,876; Nov. 6; v. 244; p. 222.
- Connor, Hampton, Eldorado, Okla. Washing-machine. No. 1,235,011; July 31; v. 240; p. 1269.
- Connor, Herschel M., San Francisco, Cal., assignor to Standard Light Company, Savannah, Ga. Vapor-burner. No. 1,210,423; Jan. 2; v. 234; p. 15.
- Connor, Herschel M., and D. D. Miles, assignors of two-fifths to A. H. Herbert, one-fifth to P. I. Connor, one-fifth to M. C. Miles, and one-fifth to R. J. Graf, San Francisco, Cal. Shutter-closing mechanism for moving-picture machines. No. 1,227,886; May 29; v. 238; p. 1445.
- Connor, Herschel M., and D. D. Miles, assignors of two-fifths to A. H. Herbert, one-fifth to P. I. Connor, one-fifth to M. C. Miles, and one-fifth to R. J. Graf, San Francisco, Cal. Intermittent film-feeding mechanism. No. 1,227,887; May 29; v. 238; p. 1446.
- Connor, Herschel M., and D. D. Miles, assignors of two-fifths to A. H. Herbert, one-fifth to P. I. Connor, one-fifth to M. C. Miles, and one-fifth to R. J. Graf, San Francisco, Cal. Moving-picture machine. No. 1,234,136; July 24; v. 240; p. 956.
- Connor, Herschel M., and D. D. Miles, assignors of two-fifths to A. H. Herbert, one-fifth to P. I. Connor, one-fifth to M. C. Miles, and one-fifth to R. J. Graf, San Francisco, Cal. Film printing and projecting apparatus. No. 1,249,335; Dec. 11; v. 245; p. 293.
- Connor, James. (See Bachelder, David S., assignor.)
- Connor, Joseph P., *et al.* (See Daven, Michael P., assignor.)
- Connor, Maurice N., assignor to F. W. Carter, Buffalo, N. Y. Stuffing-box structure for pumps and the like. No. 1,230,124; June 19; v. 239; p. 672.
- Connor, Maurice N., assignor to F. W. Carter, Buffalo, N. Y. Carbonated-liquor tank. No. 1,235,658; Aug. 7; v. 241; p. 42.
- Connor, Pansy I., *et al.* (See Connor and Miles, assignors.)
- Connor, Thomas F., Decorah, Iowa. Display device. No. 1,238,983; Sept. 4; v. 242; p. 87.
- Connors, Alford, Universal City, Cal. Violin-hook. No. 1,248,269; Nov. 27; v. 244; p. 1016.
- Conord, Eugene L., Elizabeth, N. J. Speed-changing device for automobiles. No. 1,230,125; June 19; v. 239; p. 672.
- Conover, Claude A., Newburgh, N. Y. Garment-protector. No. 1,229,890; June 12; v. 239; p. 559.
- Conover, Harvey, Chicago, Ill. Electrically-illuminated advertising device. No. 1,244,959; Oct. 30; v. 243; p. 1229.
- Conover, James F., Chicago, Ill. Grand-piano action. No. 1,215,489; Feb. 13; v. 235; p. 385.
- Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Ignition system. No. 1,219,704; Mar. 20; v. 236; p. 699.
- Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting and ignition machine. No. 1,237,172; Aug. 14; v. 241; p. 560.
- Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting-motor for gas-engines. No. 1,246,718; Nov. 13; v. 244; p. 500.
- Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Ignition mechanism. No. 1,248,459; Dec. 4; v. 245; p. 9.
- Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical system for automobiles. No. 1,248,460; Dec. 4; v. 245; p. 9.
- Conrad, Frank, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of electrical distribution. No. 1,224,143; May 1; v. 238; p. 10.
- Conrad, Frank, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Cut-out. No. 1,229,719; June 12; v. 239; p. 502.
- Conrad, Frank, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Vapor current-rectifying device. No. 1,234,875; July 31; v. 240; p. 1225.
- Conrad, Frank, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical system. No. 1,234,876; July 31; v. 240; p. 1225.
- Conrad, Frank, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical system. No. 1,235,012; July 31; v. 240; p. 1270.
- Conrad, Frank, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical system. No. 1,246,056; Nov. 13; v. 244; p. 303.
- Conrad, Frank, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting system for automobiles. No. 1,246,717; Nov. 13; v. 244; p. 500.
- Conrad, Frank, Swissvale, and J. P. Nikonow, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Starting mechanism for automobiles. No. 1,215,490; Feb. 13; v. 235; p. 386.
- Conrad, Frank, Pittsburgh, and C. E. Wilson, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Starting mechanism for automobiles. No. 1,246,057; Nov. 13; v. 244; p. 304.
- Conrad, George H., Binghamton, N. Y. Fishing-spear-handle head. No. 1,234,291; July 24; v. 240; p. 1007.
- Conrad, Jesse T., Winston-Salem, N. C. Mail-box support. No. 1,218,951; Feb. 20; v. 235; p. 954.
- Conrad, Nicholas J. (See Schweitzer and Conrad.)

- Conrad, Nicholas J., assignor to Schweitzer & Conrad, Chicago, Ill. Fuse device. No. 1,220,152; Mar. 20; v. 236; p. 559.
- Conrad, Nicholas J., assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Cut-out for electrical circuits. No. 1,233,192; July 10; v. 240; p. 579.
- Conrad, Nicholas J., assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Mounting for circuit-breakers. No. 1,245,151; Nov. 6; v. 244; p. 3.
- Conrad, Nicholas J., Chicago, Ill., assignor to Schweitzer & Conrad. Fuse or like device. No. 1,215,491; Feb. 13; v. 235; p. 386.
- Conrad, Robert, Weissensee, near Berlin, Germany. Gage. No. 1,225,314; May 8; v. 238; p. 469.
- Conrad, Robert, Berlin, Germany. Gage. No. 1,225,315; May 8; v. 238; p. 469.
- Conrader, Rudolph, Erie, Pa. Polishing-machine. No. 1,213,591; Jan. 23; v. 234; p. 1212.
- Conrader, Rudolph, Erie, Pa. Pump-regulating mechanism. No. 1,226,752; May 22; v. 238; p. 1033.
- Conrader, Rudolph, Erie, Pa. Unloader for compressors. No. 1,239,566; Sept. 11; v. 242; p. 298.
- Conrader, Rudolph, Erie, Pa. Compressor. No. 1,239,567; Sept. 11; v. 242; p. 299.
- Conrader, Rudolph, Erie, Pa. Relief device for compressors. No. 1,239,568; Sept. 11; v. 242; p. 299.
- Conradson, Conrad M., Madison, Wis. Variable-speed gearing. No. 1,216,775; Feb. 20; v. 235; p. 895.
- Conrod, Joshua C., Cement, Okla. Educational appliance. No. 1,213,839; Jan. 30; v. 234; p. 1326.
- Conron-McNeal Company. (See Conron, William, assignor.) (Reissue.)
- Conron, William, Danville, Ill., assignor to Conron-McNeal Company, of Kokomo, Skate. (Reissue.) No. 14,259; Feb. 13; v. 235; p. 664.
- Conservative Heating Company. (See Cinq-Mars, Legendre, assignor.)
- Considine, Edward H. (See Prescott and Considine.)
- Consolidated Car-Heating Company. (See Farmer, Thomas, Jr., assignor.)
- Consolidated Car-Heating Company. (See Hammond, William S., Jr., assignor.)
- Consolidated Car Heating Company. (See McElroy, James F., assignor.)
- Consolidated Car-Heating Company. (See Nuckols, Claude C., assignor.)
- Consolidated Chemical Products Company. (See Wright and Hodson, assignors.)
- Consolidated Fire Works Co. of America. (See Trismen, John H., assignor.)
- Consolidated Inventions Company, The. (See Higgins, Henry B., Jr., assignor.)
- Consolidated Press Company. (See Patrick, Isaac, assignor.)
- Consolidated Press Company. (See Sherman, Howard B., assignor.)
- Consort, Herbert A. (See Weis and Consort.)
- Consortium für elektrochemische Industrie G. m. b. H. (See Herrmann and Muggan, assignors.)
- Constable, Charles E., and J. L. Painter, Rogersville, Mo. Lock-nut. No. 1,247,794; Nov. 27; v. 244; p. 883.
- Constable, George S., Philadelphia, Pa. Internal-combustion engine. No. 1,246,550; Nov. 13; v. 244; p. 452.
- Constantinesco, Gogu, assignor of one-half to W. Haddon, London, England. Hydraulic power transmission. No. 1,211,679; Jan. 9; v. 234; p. 479.
- Constantinesco, Gogu, assignor of one-half to W. Haddon, London, England. Hydraulic transmission. No. 1,211,680; Jan. 9; v. 234; p. 479.
- Contant, Isaac, Jr., Lodi, N. J. Attachment for pens. No. 1,212,020; Jan. 9; v. 234; p. 599.
- Contant, William A., Brighton, assignor to F. B. Pease Co., Rochester, N. Y. Folding step-ladder. No. 1,246,395; Nov. 13; v. 244; p. 405.
- Contin, Angelo. (See Cortesi, Prassone, Erani, and Contin.)
- Continental Can Company. (See Kronquest, Alfred L., assignor.)
- Continental Can Company. (See Taliaferro, John C., assignor.)
- Continental Can Company. (See Taliaferro, Robinson, and Coyle, assignors.)
- Continental Distributors. (See Rost, Howard R., assignor.)
- Continental Engineering Corporation. (See Buck, Wilmer G., assignor.)
- Continental Fibre Company, The. (See Tiffany, Harold E., assignor.)
- Continental Gin Company. (See Merkel, Arthur W., assignor.)
- Continental Machine and Foundry Company. (See Scovel, John C., Jr., assignor.)
- Continuous Glass Press Company, The. (See Shuman, Arno, assignor.)
- Continuous Zinc Furnace Company, The. (See Johnson, Woolsey M., assignor.)
- Converse, Atherton D., Winchendon, Mass. Making heads for drums and other musical instruments. No. 1,221,141; Apr. 3; v. 237; p. 49.
- Converse, Atherton D., Winchendon, Mass. Drum. No. 1,221,142; Apr. 3; v. 237; p. 49.
- Converse, Atherton D., Winchendon, Mass. Coaster. No. 1,227,888; May 29; v. 238; p. 1446.
- Converse, Atherton D., Winchendon, Mass. Swinging horse. No. 1,245,439; Nov. 6; v. 244; p. 89.
- Converse, Atherton D., Winchendon, Mass. Building-block. No. 1,245,440; Nov. 6; v. 244; p. 89.
- Converse, Atherton D., Winchendon, Mass. Toy building-block. No. 1,250,971; Dec. 25; v. 245; p. 863.
- Converse, Newton B., Fresno, Cal., assignor to himself as trustee. Balancing device for flying-machines and the like. No. 1,246,235; Nov. 13; v. 244; p. 356.
- Convery, John J., New York, N. Y. Telephone attachment. No. 1,216,776; Feb. 20; v. 235; p. 896.
- Conway, Daniel P. (See Dowling, Francis J., assignor.)
- Conway, Edward P., Waterbury, Conn. Cushion-tire. No. 1,217,568; Feb. 27; v. 235; p. 1213.
- Conway, Elisha A., assignor of one-half to J. E. Waltz, Williamsport, Pa. Razor-sharpening machine. No. 1,223,672; Apr. 24; v. 237; p. 1037.
- Conway, John F., Brooklyn, N. Y. Attachment for fountain-pens. No. 1,220,824; Mar. 27; v. 236; p. 1127.
- Conway, John W., Hartford, Conn. Minnow-harness. No. 1,247,935; Nov. 27; v. 244; p. 922.
- Conway, Louis P., Sawtelle, Cal. Bicycle-lock. No. 1,216,660; Feb. 20; v. 235; p. 856.
- Conway, Norman B., Yuma, Ariz. Combination camera and film carrying case. No. 1,220,957; Mar. 27; v. 236; 1170.
- Conway, William A., Conway, Iowa. Petcock control for motor-vehicles. No. 1,237,618; Aug. 21; v. 241; p. 742.
- Conway, William F., assignor to Troy Laundry Machinery Company, Ltd., Chicago, Ill. Sheet-metal box. No. 1,213,157; Jan. 23; v. 234; p. 1060.
- Conwell, Frank M., Blairstown, Mo. Clutch. No. 1,220,320; Mar. 27; v. 236; p. 953.
- Conzelmann, Heinrich. (See Honold and Conzelmann.)
- Coogee, John D., assignor of one-half to J. B. Cooksey, Corsicana, Tex. Sash-control. No. 1,229,234; June 12; v. 239; p. 338.
- Cook, Albert. (See Curry and Cook.) (Reissue.)
- Cook, Albert E., Odebolt, Iowa. Adjustable side curtain. No. 1,237,173; Aug. 14; v. 241; p. 560.
- Cook, Albert E., Odebolt, Iowa, and T. Van Tuyl, Kankakee, Ill.; said Van Tuyl assignor to said Cook. Convertible internal-combustion engine. No. 1,213,840; Jan. 30; v. 234; p. 1326.
- Cook, Albert E., Odebolt, Iowa, and T. Van Tuyl, Kankakee, Ill.; said Van Tuyl assignor to said Cook. Opposed convertible internal-combustion engine. No. 1,213,841; Jan. 30; v. 234; p. 1326.
- Cook, Albert E., and T. Van Tuyl, Kankakee, Ill.; said Van Tuyl assignor to said Cook. Plowing-tractor. No. 1,213,842; Jan. 30; v. 234; p. 1327.
- Cook, Albert E., Odebolt, Iowa, and T. Van Tuyl, Kankakee, Ill.; said Van Tuyl assignor to said Cook. Tractor automobile and power plant. No. 1,232,505; July 10; v. 240; p. 356.
- Cook, Albert E., and T. Van Tuyl, Kankakee, Ill.; said Van Tuyl assignor to said Cook. Extensible air-tight end for land and water vehicle bodies. No. 1,237,174; Aug. 14; v. 241; p. 560.
- Cook, Albert E., and T. Van Tuyl, Kankakee, Ill.; said Van Tuyl assignor to said Cook. Vehicle-body. No. 1,237,175; Aug. 14; v. 241; p. 561.
- Cook, Blake C., and E. J. Kelly, Youngstown, Ohio. Safety draw-bar adjuster. No. 1,211,921; Jan. 9; v. 234; p. 566.
- Cook, Borden D., J. N., and C. V., Seattle, Wash. Flour-packing device. No. 1,238,389; Aug. 28; v. 241; p. 1023.
- Cook, Charles H. (See Cook, James J. and C. H.)
- Cook, Charles J., Portland, Oreg. Excavating-bucket. No. 1,231,852; July 3; v. 240; p. 107.
- Cook, Charles V. (See Cook, Borden D., J. N., and C. V.)
- Cook, Claiborn B., Foreman, Ark., assignor of one-half to G. L. Felton, Arkanda, Ark. Automatic switch for telegraph receiving systems. No. 1,246,551; Nov. 13; v. 244; p. 452.
- Cook, De Loyd K., Maquoketa, Iowa. Vise. No. 1,250,092; Dec. 11; v. 245; p. 512.
- Cook, Don J., assignor of one-fourth to A. L. Zwiler, Kalamazoo, one-fourth to M. Heath, Detroit, Mich., and one-fourth to E. Heath, Albany, N. Y. Signal device. No. 1,233,646; July 17; v. 240; p. 764.
- Cook, Douglas P. (See Needham, Cook, and Klahn.)
- Cook, Edgar P., Granville, Ohio. Gun-sight. No. 1,250,972; Dec. 25; v. 245; p. 863.
- Cook, Edward G., Long Island City, N. Y., assignor, by mesne assignments, to Copper Products Company. Producing hollow metal bodies. No. 1,250,802; Dec. 18; v. 245; p. 763.
- Cook, Edward G., Long Island City, N. Y., assignor, by mesne assignments, to Copper Products Company. Casting or molding device. No. 1,250,803; Dec. 18; v. 245; p. 763.
- Cook, Edward W., Galion, Ohio. Motor-plow. No. 1,213,336; Jan. 23; v. 234; p. 1123.
- Cook, Elmer E., Chicago, Ill. Switch. No. 1,215,492; Feb. 13; v. 235; p. 386.
- Cook, Eugene F., assignor to Harvard Mfg Company, St. Louis, Mo. Packing-ring. No. 1,214,429; Jan. 30; v. 234; p. 1528.

Alphabetical list of patentees—Continued.

- Cook, Eugene F., assignor to O. F. Stifel, St. Louis, Mo. Piston packing-ring. No. 1,220,153; Mar. 20; v. 236; p. 859.
- Cook, Frank A., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,222,736; Apr. 17; v. 237; p. 681.
- Cook, Frank B., assignor to Frank B. Cook Company, Chicago, Ill. Connecting-plug. No. 1,233,031; July 10; v. 240; p. 526.
- Cook, Frank C., Denver, Colo. Cue-pointing tool. No. 1,225,582; May 8; v. 238; p. 560.
- Cook, Fred A., Longview, Ill. Concrete house and cave building form. No. 1,215,318; Feb. 6; v. 235; p. 291.
- Cook, Fred A., Longview, Ill. Poultry roosting and dropping-board combination. No. 1,217,278; Feb. 27; v. 235; p. 1110.
- Cook, George F., East Washington, N. H. Bicycle attachment. No. 1,227,390; May 22; v. 238; p. 1248.
- Cook, George H., Belleville, N. J. Lock-nut. No. 1,249,336; Dec. 11; v. 245; p. 294.
- Cook, George J., Fairmont, W. Va. Marble-machine. No. 1,226,313; May 15; v. 238; p. 853.
- Cook, Gustav, Gillett, Wis. Fishing-reel. No. 1,240,677; Sept. 18; v. 242; p. 683.
- Cook, Harrison H., assignor of one-half to J. Anthony, Kansas City, Kans. Heat-radiator. No. 1,214,759; Feb. 6; v. 235; p. 97.
- Cook, Harry, Newark, N. J. Dial for games and the like. No. 1,221,791; Apr. 3; v. 237; p. 273.
- Cook, Harry L. (See Ross and Cook.)
- Cook, Harry S., Worthington, Ind. Hypodermic syringe. No. 1,231,497; June 26; v. 239; p. 1168.
- Cook, Herbert C., Springfield, Mass. Knockdown table. No. 1,216,079; Feb. 13; v. 235; p. 600.
- Cook, Horace T., Boone, Iowa. Pocket. No. 1,239,888; Sept. 11; v. 242; p. 403.
- Cook, J. W., et al. (See Megathlin, Jesse L., assignor.)
- Cook, James J., and C. H., Jersey City, N. J. Hose-clamp. No. 1,236,546; Aug. 14; v. 241; p. 359.
- Cook, James L., Springfield, Ill. Steering-gear-locking mechanism. No. 1,248,620; Dec. 4; v. 245; p. 57.
- Cook, John C. (See Clifford and Cook.)
- Cook, John F. (See Dilley and Cook.)
- Cook, John H., San Marcos, Tex. Plant-protector. No. 1,245,441; Nov. 6; v. 244; p. 89.
- Cook, John J., Monroe, La. Picture and mirror hanger. No. 1,222,530; Apr. 10; v. 237; p. 567.
- Cook, John N. (See Cook, Borden D., J. N., and C. V.)
- Cook, Judson, Albany, N. Y. Brake-shoe. No. 1,225,583; May 8; v. 238; p. 560.
- Cook, Judson, Albany, N. Y. Brake-shoe. No. 1,237,479; Aug. 21; v. 241; p. 697.
- Cook, Justin B., Tempe, Ariz. Apparatus for cooling sterilized or cooked can goods. No. 1,225,774; May 15; v. 238; p. 667.
- Cook, Lawrence L., Indianapolis, Ind. Apparatus for treating saws. No. 1,233,193; July 10; v. 240; p. 580.
- Cook, Marvin W., and N. S. Nichols, Cattaraugus, N. Y. Milking-machine. No. 1,217,857; Feb. 27; v. 235; p. 1312.
- Cook & Mueller Company, The. (See Mueller, Hilmar, assignor.)
- Cook Muffler Co. (See Jones and Upton, assignors.)
- Cook, Neil A. (See Frye, Chinn, and Burnett, assignors.)
- Cook, Parker, Washington, D. C., and W. E. Wine, Toledo, Ohio. Tank-siphon. No. 1,229,720; June 12; v. 239; p. 502.
- Cook, Roy J., assignor of one-half to G. C. Murray, Chicago, Ill. Yoke. No. 1,224,278; May 1; v. 238; p. 59.
- Cook, Russell D., Salt Lake City, Utah. Attachment for shearing-machines. No. 1,214,430; Jan. 30; v. 234; p. 1528.
- Cook, Stanley S. (See Parsons and Cook.)
- Cook, Stanley S. (See Parsons, Carnegie, and Cook.)
- Cook, Stanley W., trustee. (See Wood, William H., assignor.)
- Cook, Thomas R., and C. L. Fischer, Pittsburgh, Pa. Apparatus for determining flange-pressures. No. 1,219,922; Mar. 20; v. 236; p. 774.
- Cook, Ulysses G., Casey, Ill. Collar and necktie retainer. No. 1,211,547; Jan. 9; v. 234; p. 435.
- Cook, Wallace A., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass. Stay-bolt tap. No. 1,235,114; July 31; v. 240; p. 1500.
- Cook, Wallace L., Chicago, Ill. Protector. No. 1,222,365; Apr. 10; v. 237; p. 509.
- Cook, Walter H., et al. (See Thurber, Edward J., assignor.)
- Cook, Walter S. (See Downs and Cook.)
- Cook, Willard J., Des Moines, Iowa. Manure-spreader. No. 1,224,903; May 8; v. 238; p. 329.
- Cook, William A. (See Wehrle, Albert H., assignor.)
- Cook, William J., Charlotte, N. C. Push-button. No. 1,245,570; Nov. 6; v. 244; p. 130.
- Cook, William L., Rochester, N. Y. Camera exposure-indicator. No. 1,250,973; Dec. 25; v. 245; p. 863.
- Cook, William N., New York, N. Y., assignor to E. B. Meyrowitz, Inc. Eyeglasses and spectacles. No. 1,228,882; June 5; v. 239; p. 173.
- Cooke, Charles J., Hongkong, China. Firearm. No. 1,229,721; June 12; v. 239; p. 502.
- Cooke, Clarence C., Howard, Pa. Current-motor. No. 1,216,080; Feb. 13; v. 235; p. 600.
- Cooke, James N. (See Gracey, Charles B., assignor.)
- Cooke, Thomas A., Philadelphia, Pa. Mechanical stoker. No. 1,219,256; Mar. 13; v. 236; p. 513.
- Cooke, William A., Jr., Brooklyn, N. Y. File, binder, or the like. No. 1,219,705; Mar. 20; v. 236; p. 699.
- Cooke, William A., Jr., Brooklyn, N. Y. File, binder, or the like. No. 1,222,073; Apr. 10; v. 237; p. 405.
- Cooke, William A., Jr., Brooklyn, N. Y. File, binder, or the like. No. 1,222,074; Apr. 10; v. 237; p. 405.
- Cooke, William A., Jr., Brooklyn, N. Y. File, binder, or the like. No. 1,222,075; Apr. 10; v. 237; p. 405.
- Cooke, William A., Jr., Brooklyn, N. Y. Letter-file or the like. No. 1,222,076; Apr. 10; v. 237; p. 406.
- Cookingham, De Witt C., Lakewood, assignor to The Baker R & L Company, Cleveland, Ohio. Controller for electric vehicles. No. 1,250,144; Dec. 18; v. 245; p. 566.
- Cooksey, James B. (See Coogle, John D., assignor.)
- Cooksey, William K. (See Beil, George T., assignor.)
- Cookson, Clarence F., Brooklyn, assignor to R. L. McElroy, New York, N. Y. Acoustic diaphragm. No. 1,246,552; Nov. 13; v. 244; p. 452.
- Cookson, Thomas J., Cincinnati, Ohio. Steam-trap. No. 1,233,450; July 17; v. 240; p. 699.
- Cool, Robert B., Lancaster, Ohio. Gas-burner attachment. No. 1,243,044; Oct. 16; v. 243; p. 577.
- Cooley, Charles E., Kansas City, Mo. Transparent adjustable shield for infants' carriages. No. 1,233,032; July 10; v. 240; p. 526.
- Cooley, Fred W., Minneapolis, Minn. Dumping-platform. No. 1,250,974; Dec. 25; v. 245; p. 864.
- Cooley, Henry B., Kensington, Conn., assignor to The American Paper Goods Company, Montclair, N. J. Apparatus for regulating the delivery of drinking-cups. No. 1,216,417; Feb. 20; v. 235; p. 772.
- Cooley, Henry B., Kensington, Conn., assignor to The American Paper Goods Company, Montclair, N. J. Apparatus for regulating the delivery of drinking-cups. No. 1,217,109; Feb. 20; v. 235; p. 1008.
- Cooley, Henry B., Kensington, Conn., assignor to The American Paper Goods Company, Montclair, N. J. Cup-dispensing apparatus. No. 1,225,728; May 8; v. 238; p. 607.
- Cooley, Henry B., Kensington, Conn., assignor to The American Paper Goods Company, Montclair, N. J. Folding-machine. (Reissue.) No. 14,395; Nov. 20; v. 244; p. 792.
- Cooley, Henry B., New Britain, Conn., assignor to The American Paper Goods Company, Montclair, N. J. Envelop-machine. No. 1,219,407; Mar. 13; v. 236; p. 565.
- Cooley, Henry B., New Britain, Conn., assignor to The American Paper Goods Company, Montclair, N. J. Machine for affixing fastenings to envelopes. No. 1,233,194; July 10; v. 240; p. 580.
- Cooley, Jerome E., Manhattan, Kans., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,212,908; Jan. 16; v. 234; p. 940.
- Coolidge, Laura M., assignor to Bunte Brothers, Chicago, Ill. Candy-container. No. 1,238,110; Aug. 28; v. 241; p. 931.
- Coolidge, Roger E., assignor to Litchfield Shuttle Company, Southbridge, Mass. Shuttle-tip. No. 1,239,085; Sept. 4; v. 242; p. 117.
- Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Cathode-ray device. No. 1,211,091; Jan. 2; v. 234; p. 245.
- Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. X-ray tube. No. 1,211,092; Jan. 2; v. 234; p. 246.
- Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge apparatus and operating the same. No. 1,211,376; Jan. 2; v. 234; p. 340.
- Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. X-ray apparatus. No. 1,215,116; Feb. 6; v. 235; p. 221.
- Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Refractory-metal tube. No. 1,226,470; May 15; v. 238; p. 902.
- Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Refractory-metal tube. No. 1,226,471; May 15; v. 238; p. 902.
- Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Making incandescent lamps. No. 1,230,869; June 26; v. 239; p. 958.
- Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. Stereoscopic X-ray apparatus. No. 1,250,093; Dec. 11; v. 245; p. 512.
- Cooling, Arthur B., Sterling, Ill. Operating mechanism for washing-machines. No. 1,227,584; May 29; v. 238; p. 1342.
- Coombs, Frank E., Au Sable Forks, N. Y. Mutual treatment of liquids and gases. No. 1,217,156; Feb. 27; v. 235; p. 1069.
- Coombs, James W., assignor to Penn Rivet Corporation, Philadelphia, Pa. Rivet-slitting machine. No. 1,218,746; Mar. 13; v. 236; p. 336.
- Coon, Clifford H. (See Clark and Coon.)
- Coon, John H., Baltimore, Md. Paint-brush holder. No. 1,238,641; Aug. 28; v. 241; p. 1104.

- Coon, Leslie E., Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Selective signaling system. No. 1,250,804; Dec. 18; v. 245; p. 764.
- Coonan, John F. (See Moore and Coonan.)
- Coonan, Thomas, Champlain, N. Y. Automatic faucet. No. 1,219,923; Mar. 20; v. 236; p. 774.
- Cooney, Charles. (See Gillespie and Cooney.)
- Cooney, Howard C., Butte, Mont. Chair attachment. No. 1,237,301; Aug. 21; v. 241; p. 639.
- Cooney, Hugh, Marion, Ind. Tire-vulcanizing mold. No. 1,225,584; May 8; v. 238; p. 560.
- Cooney, James E., Pawtucket, R. I. Toy balloon. No. 1,241,822; Oct. 2; v. 243; p. 113.
- Cooney, John T., Denver, Colo. Hat-fastener. No. 1,218,838; Mar. 13; v. 236; p. 370.
- Cooney, Robert L., Atlanta, Ga. Stationary fire-extinguisher system. No. 1,213,078; Jan. 16; v. 234; p. 999.
- Cooney, Robert L., Atlanta, Ga. Fire-extinguisher system. No. 1,213,749; Jan. 23; v. 234; p. 1263.
- Cooney, Robert L., Atlanta, Ga. Stationary fire-extinguisher system. No. 1,244,293; Oct. 23; v. 243; p. 990.
- Coons, Jacob S., Taylorsville, N. C. Subsoiling attachment for breaking-plows. No. 1,236,270; Aug. 7; v. 241; p. 238.
- Coons, Oscar A., Houston, Tex. Silo. No. 1,222,849; Apr. 17; v. 237; p. 719.
- Cooper, Albert N., Davis, Cal. Pump. No. 1,213,461; Jan. 23; v. 234; p. 1163.
- Cooper, Alexander J., et al., executors. (See Barratt, William T., assignor.)
- Cooper, Annie, et al., executors. (See Barratt, William T., assignor.)
- Cooper, Charles H., administrator. (See Cooper, John W.)
- Cooper, Charles H., Buena Vista, Fla. Bicycle-carrier. No. 1,223,258; Apr. 17; v. 237; p. 857.
- Cooper, Charles H., Wimbledon, England. Apparatus for carrying and exhibiting maps, charts, and the like. No. 1,247,227; Nov. 20; v. 243; p. 685.
- Cooper, Charles L., Moran, Kans. Vulcanizer. No. 1,212,742; Jan. 16; v. 234; p. 835.
- Cooper, Charles R. (See Copony, Alfred, assignor.)
- Cooper, Charles R. (See West, Britton, assignor.)
- Cooper Company, The. (See Cooper, Hugh S., assignor.)
- Cooper, Daniel M., Rochester, N. Y., assignor to American Laundry Machinery Company, Cincinnati, Ohio. Garment-pressing machine. No. 1,245,571; Nov. 6; v. 244; p. 130.
- Cooper, Elisha H., assignor to The Fafnir Bearing Company, New Britain, Conn. Clutch. No. 1,217,569; Feb. 27; v. 235; p. 1214.
- Cooper, Elisha H., assignor to The Fafnir Bearing Company, New Britain, Conn. Ball-bearing. No. 1,250,805; Dec. 18; v. 245; p. 764.
- Cooper, Erwin C., assignor to Packard Motor Car Company, Detroit, Mich. Transmission-shaft. (Reissue.) No. 1,43,76; Oct. 16; v. 243; p. 767.
- Cooper, Erwin C., assignor to Packard Motor Car Company, Detroit, Mich. Transmission mechanism for motor-vehicles. No. 1,246,236; Nov. 13; v. 244; p. 357.
- Cooper, George, Ansonia, Conn. Pencil-sharpener. No. 1,225,412; May 8; v. 238; p. 503.
- Cooper, George D., Flint, Mich. Truss. No. 1,237,480; Aug. 21; v. 241; p. 697.
- Cooper, George D., Flint, Mich. Truss. No. 1,248,810; Dec. 4; v. 245; p. 114.
- Cooper, George J., Havre, Mont. Internal-combustion engine. No. 1,237,302; Aug. 21; v. 241; p. 639.
- Cooper, George S., Salem, Ohio. Engine. No. 1,216,777; Feb. 20; v. 235; p. 896.
- Cooper, George W., New York, N. Y. Game apparatus. No. 1,247,645; Nov. 27; v. 244; p. 836.
- Cooper, Harry, Gwinner, N. D. Automatic head-lamp control. No. 1,221,687; Apr. 3; v. 237; p. 238.
- Cooper, Harry S., assignor to Griswold Manufacturing Company, Erie, Pa. Flask. No. 1,224,144; May 1; v. 238; p. 10.
- Cooper, Henry A., Peebles, Ohio. Pipe-remover. No. 1,227,391; May 22; v. 238; p. 1248.
- Cooper, Herbert, Brooklyn, N. Y. Shock-absorbing shaft. No. 1,218,929; Mar. 13; v. 236; p. 402.
- Cooper-Hewitt Electric Company. (See Baker, James R., assignor.)
- Cooper-Hewitt Electric Company. (See Brownlee, Robert B., assignor.)
- Cooper Hewitt Electric Company. (See Hewitt, Peter C., assignor.)
- Cooper Hewitt Electric Company. (See Keyes, Frederick G., assignor.)
- Cooper Hewitt Electric Company. (See Thomas, Percy H., assignor.)
- Cooper, Hugh S., assignor to The Cooper Company, Cleveland, Ohio. Alloy. No. 1,221,769; Apr. 3; v. 237; p. 266.
- Cooper, Hugh S., assignor to The Cooper Company, Cleveland, Ohio. Aluminum-calcium alloy and making the same. No. 1,224,362; May 1; v. 238; p. 90.
- Cooper, Hugh S., assignor to The Electro Metals Products Company, Cleveland, Ohio. Metal alloy. No. 1,229,037; June 5; v. 239; p. 223.
- Cooper, Hugh S., assignor to The Electro Metals Products Company, Cleveland, Ohio. Metal alloy. No. 1,248,621; Dec. 4; v. 245; p. 58.
- Cooper, James H., Wheeling, W. Va. Wear-plate for shoe-heels. No. 1,227,392; May 22; v. 238; p. 1249.
- Cooper, James J., assignor to American Car and Foundry Company, St. Louis, Mo. Centering uncoupling device. No. 1,244,706; Oct. 30; v. 243; p. 1152.
- Cooper, James W., Mayesville, S. C. Fruit and potato gatherer. No. 1,212,909; Jan. 16; v. 234; p. 941.
- Cooper, James W., Merino Downs, Otago, New Zealand. Apparatus for cutting trenches for drains and the like. No. 1,234,449; July 24; v. 240; p. 1060.
- Cooper, James W., Marshalltown, Iowa. Nest-box. No. 1,243,591; Oct. 16; v. 243; p. 739.
- Cooper, John W., deceased. C. H. Cooper, Buffalo, N. Y., administrator. Sash-fastener. No. 1,220,073; Mar. 20; v. 236; p. 828.
- Cooper, John W., deceased; C. H. Cooper, administrator, assignor to The Trumpfeller Manufacturing Corporation, Buffalo, N. Y. Street-railway system. No. 1,227,535; May 29; v. 238; p. 1342.
- Cooper, Joseph. (See Frank and Cooper.)
- Cooper, Joseph H., Pittsburgh, Pa. Drifting device. No. 1,245,442; Nov. 6; v. 244; p. 89.
- Cooper, K. H. (See Bass, Fredie E., assignor.)
- Cooper, Lyman M., Detroit, assignor of one-half to A. T. Birk, Owosso, Mich. Demountable rim. No. 1,223,312; Apr. 17; v. 237; p. 875.
- Cooper, Lyman M., assignor of one-half to T. J. Clinton, Detroit, Mich. Steering-wheel. No. 1,236,148; Aug. 7; v. 241; p. 198.
- Cooper, Maxey C., Selma, Ala. Fountain shoe-brush. No. 1,248,622; Dec. 4; v. 245; p. 58.
- Cooper, Nathan, Brooklyn, N. Y. Steam-boiler or fluid-heater. No. 1,210,766; Jan. 2; v. 234; p. 133.
- Cooper, Samuel C., Nunda, N. Y. Autographic attachment for cameras. No. 1,222,531; Apr. 10; v. 237; p. 567.
- Cooper, Simon, assignor to Pine Hill Crystal Spring Water Company, New York, N. Y. Liquid-dispensing apparatus. No. 1,236,912; Aug. 14; v. 241; p. 478.
- Cooper, Sutton, assignor of one-half to F. Offermann, Evansville, Ind. Apparatus for filtering air. No. 1,214,760; Feb. 6; v. 235; p. 97.
- Cooper, Thomas, Kings Lynn, England. Explosive bomb. No. 1,228,748; June 5; v. 239; p. 128.
- Cooper, Thomas C. (See Husk and Cooper.)
- Cooper, Thomas W., New York, N. Y. Game apparatus. No. 1,248,270; Nov. 27; v. 244; p. 1016.
- Cooper, Walter J., assignor of one-half to M. J. Maruna, Cleveland, Ohio. Shut-off for carburetors in motor-vehicles. No. 1,238,989; Sept. 4; v. 242; p. 87.
- Cooper, William, Denver, Colo. Safety-switch for the spark-plugs of automobile-engines. No. 1,250,975; Dec. 25; v. 245; p. 864.
- Cooper, William, deceased, Pittsburgh, Pa. Westinghouse Electric & Manufacturing Company. Railway-vehicle. (Reissue.) No. 14,350; Sept. 11; v. 242; p. 484.
- Coover, George, Okaloosa, Iowa. Lubricator. No. 1,233,553; July 17; v. 240; p. 733.
- Cope, Charles G., assignor to Benjamin Electric Mfg. Company, Chicago, Ill. Separable attachment-plug. No. 1,236,057; Aug. 7; v. 241; p. 172.
- Cope, Frank T. (See Baily and Cope.)
- Cope, Frank T., assignor to The Electric Furnace Company, Alliance, Ohio. Electric furnace. No. 1,218,058; Mar. 6; v. 236; p. 59.
- Cope, Frank T., assignor to The Electric Furnace Company, Alliance, Ohio. Selective oil-break switch. No. 1,218,059; Mar. 6; v. 236; p. 60.
- Cope, Lester I., and A. F. Zinsmaster, Pittsburgh, Pa. Barrel-cleat. No. 1,223,853; Apr. 24; v. 237; p. 1101.
- Cope, Lorenzo S. (See Brunner and Cope.)
- Copeland, James S., Hartford, assignor, by mesne assignments, to The New Departure Manufacturing Company, Bristol, Conn. Back-pedaling brake. No. 1,234,137; July 24; v. 240; p. 957.
- Copeland, William A., Brookline, assignor to The Phonograph Company, East Boston, Mass. Bass attachment for zithers. No. 1,246,058; Nov. 13; v. 244; p. 304.
- Copeland, Wilson M., Evansville, Ind. Auxiliary transmission for motor-vehicles. No. 1,240,318; Sept. 18; v. 242; p. 573.
- Copeman, Lloyd G., Flint, Mich. Grease-cup. No. 1,222,185; Apr. 10; v. 237; p. 446.
- Copersito, Anthony E., Brooklyn, N. Y. Fireproof casing for moving-picture films. No. 1,210,909; Jan. 2; v. 234; p. 183.
- Copley, Almon W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting system for automobiles. No. 1,246,719; Nov. 13; v. 244; p. 501.
- Copony, Alfred, Chicago, Ill. Keyless yoke. No. 1,222,933; Apr. 17; v. 237; p. 747.
- Copony, Alfred, Chicago, Ill. Yoke for draft-riggings. No. 1,240,948; Sept. 25; v. 242; p. 801.
- Copony, Alfred, Chicago, Ill. Draft-rigging yoke. No. 1,243,045; Oct. 16; v. 243; p. 577.
- Copony, Alfred, assignor of one-half to C. R. Cooper, Chicago, Ill. Car-door. No. 1,221,971; Apr. 10; v. 237; p. 371.
- Copony, Alfred, assignor of one-half to C. R. Cooper, Chicago, Ill. Egg-crate. No. 1,232,226; July 3; v. 240; p. 231.
- Copony, Alfred, assignor of one-half to C. R. Cooper, Chicago, Ill. Railway-car-roof construction. No. 1,245,320; Nov. 6; v. 244; p. 54.

Alphabetical list of patentees—Continued.

- Copony, Alfred, assignor of one-half to C. R. Cooper, Chicago, Ill. Freight-car construction. No. 1,247,083; Nov. 20; v. 244; p. 644.
- Copony, Alfred, Detroit, Mich., assignor to Copony Auto-Loading Company. Construction for loading automobiles in freight-cars. (Reissue.) No. 14,335; July 31; v. 240; p. 1430.
- Copony Auto-Loading Company. (See Copony, Alfred, assignor.) (Reissue.)
- Copp, John, Amarillo, Tex. Adjustable driving-box. No. 1,232,001; July 3; v. 240; p. 155.
- Coppage, Benjamin D., Wilmington, Del. Receptacle and mounting therefor. No. 1,235,115; July 31; v. 240; p. 1300.
- Coppage, Benjamin D., Wilmington, Del. Bearing. No. 1,235,116; July 31; v. 240; p. 1300.
- Coppedge, George A. N., Winston-Salem, N. C. Holder for syrup-cups and other articles. No. 1,234,877; July 31; v. 240; p. 1226.
- Coppedge, George A. N., Winston-Salem, N. C. Garment. No. 1,235,441; July 31; v. 240; p. 1396.
- Coppedge, George A. N., Winston-Salem, N. C. Advertising-calendar. No. 1,235,442; July 31; v. 240; p. 1396.
- Copper Clad Malleable Range Company, The. (See Scruggs, Loyd, assignor.)
- Copper Products Company. (See Cook, Edward G., assignor.)
- Copper Products Company. (See Huggins, Nathaniel, assignor.)
- Coppock, Charles W., *et al.* (See Osser, Percy S., assignor.)
- Coppus Engineering and Equipment Company. (See Coppus, Frans H. C., assignor.)
- Coppus, Frans H. C., assignor to Coppus Engineering and Equipment Company, Worcester, Mass. Turbine-driven blower. No. 1,244,427; Oct. 23; v. 243; p. 1028.
- Copsey, Edwin L., Old Heath, Colchester, assignor to F. W. Brackett & Company Limited, Colchester, England. Valveless rotary pump. No. 1,223,036; Apr. 17; v. 237; p. 783.
- Corado, Edward C., Vancouver, British Columbia, Canada. Lamp. No. 1,250,145; Dec. 18; v. 245; p. 560.
- Corbelli, Ubaldo, and E. Antolini, Rome, Italy. Preservation of solutions of trichlorid of iodine for purifying contaminated water. No. 1,231,853; July 3; v. 240; p. 107.
- Corbett, Charles F., Clearspring, Md. Device for expanding and contracting demountable rims. No. 1,220,321; Mar. 27; v. 236; p. 954.
- Corbett, Melville L., and W. Lindquist, Cleveland, Ohio. Freight-car construction. No. 1,247,553; Nov. 20; v. 244; p. 777.
- Corbin, Edmund, Chicago, Ill. Chair attachment. No. 1,216,287; Feb. 20; v. 235; p. 725.
- Corbin, Marion X., Savannah, Ga. Vulcanizer. No. 1,235,117; July 31; v. 240; p. 1301.
- Corbitt, Alice E., assignor of one-half to C. P. Corbitt, Waverly, W. Va. Dinner-pail. No. 1,232,227; July 3; v. 240; p. 232.
- Corbitt, Clauson P. (See Corbitt, Alice E., assignor.)
- Corcoran, Cornelius B., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,246,553; Nov. 13; v. 244; p. 453.
- Corcoran, Cornelius B., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,247,084; Nov. 20; v. 244; p. 644.
- Corcoran, Edward B., assignor, by mesne assignments, to The Corcoran-Victor Company, Cincinnati, Ohio. Reflector-lamp. No. 1,228,749; June 5; v. 239; p. 128.
- Corcoran, John T., *et al.* (See Clawson, Charles F., assignor.)
- Corcoran-Victor Company, The. (See Corcoran, Edward B., assignor.)
- Corcoran-Victor Company, The. (See Kuen, Eugene A., assignor.)
- Corcos, Joseph. (See Spielman, Max H., assignor.)
- Cordeau, Adolphe, Ste. Madeleine, assignor of one-half to J. M. Authier, St. Hilaire, Quebec, Canada. Ditching-plow. No. 1,221,972; Apr. 10; v. 237; p. 371.
- Cordell, John F., Salt Lake City, Utah. Artificial leg. No. 1,244,294; Oct. 23; v. 243; p. 990.
- Corder, Waitman D., Philippi, W. Va. Garment-supporter. No. 1,224,604; May 1; v. 238; p. 175.
- Cordery, Frank, Monroe, Mich. Brick composition. No. 1,218,230; Mar. 6; v. 236; p. 123.
- Cordes, August W., New York, N. Y. Wall construction. No. 1,231,711; July 3; v. 240; p. 60.
- Cordes, Carl, Magdeburg, Germany. Insulation of condensers for telephone-circuits. No. 1,241,926; Oct. 2; v. 243; p. 147.
- Cordley and Hayes. (See Long, George R., assignor.)
- Cordley and Hayes. (See Sherwood, William I., assignor.)
- Cordrey, Oliver, Laurel, Del. Potato-digger. No. 1,239,354; Sept. 4; v. 242; p. 204.
- Cordts, George, assignor to C. E. Dressler, New York, N. Y. Adding-machine. No. 1,226,064; May 15; v. 238; p. 765.
- Core, George W., *et al.* (See McIntyre, William H., assignor.)
- Corey, Oscar R., Fairfield, Iowa. Adjustable motor-bracket for electric washers. No. 1,223,673; Apr. 24; v. 237; p. 1038.
- Corey, Robert B., Edgewood Park, Pa. Cementing or case-hardening material. No. 1,211,093; Jan. 2; v. 234; p. 246.
- Corington, James W., Faucett, Mo. Hog-holding machine. No. 1,234,733; July 31; v. 240; p. 1182.
- Corke, Ruloff D., Yonkers, assignor of one-fourth to H. McEvoy, Brooklyn, N. Y. Tool. No. 1,237,021; Aug. 14; v. 241; p. 514.
- Corkell, Thomas W., Chicago, Ill. Collapsible barrel. No. 1,214,650; Feb. 6; v. 235; p. 59.
- Corkran, Willis J., Towson, Md. Steering attachment for automobiles. No. 1,233,987; July 17; v. 240; p. 873.
- Corlett, Robert S., Evanston, assignor to J. Roussio, Chicago, Ill. Apparatus for controlling use of towels. No. 1,222,532; Apr. 10; v. 237; p. 568.
- Corlett, Robert S., Evanston, assignor to J. Roussio, Chicago, Ill. Coin-controlled towel-service apparatus. No. 1,222,533; Apr. 10; v. 237; p. 568.
- Corley, Jacob L., Alma, Mo. Wire-reel. No. 1,230,677; June 19; v. 239; p. 856.
- Corley, John T., Providence, R. I. Clamp for lamp-brackets. No. 1,243,388; Oct. 16; v. 243; p. 679.
- Corliss, Harry P., Pittsburgh, Pa., assignor to Metals Recovery Company, New York, N. Y. Flotation of minerals. No. 1,228,183; May 29; v. 238; p. 1544.
- Corliss, Harry P., Pittsburgh, Pa., assignor to Metals Recovery Company, New York, N. Y. Flotation of minerals. No. 1,228,184; May 29; v. 238; p. 1544.
- Corliss Motor Truck Company. (See Moore, Harry G., assignor.)
- Cornier, Joseph O., Cleveland, Ohio. Automobile-radiator. No. 1,243,816; Oct. 23; v. 243; p. 846.
- Cornier, Joseph O., Cleveland, Ohio. Garment-former. No. 1,245,193; Nov. 6; v. 244; p. 15.
- Cornier, Leo H., Brooklyn, N. Y. Roller-bearing. No. 1,222,534; Apr. 10; v. 237; p. 569.
- Cornier, Leo H., Brooklyn, N. Y. Spindle for milling-machines and lathes. No. 1,222,934; Apr. 17; v. 237; p. 748.
- Corn, Julius I. (See Buckman, Warren L., assignor.)
- Corn, Robert R., Union, S. C. Rock-shaft bearing for looms. No. 1,226,188; May 15; v. 238; p. 808.
- Cornbrooks, Thomas M., Sparrows Point, Md., assignor, by mesne assignments, to Bethlehem Steel Company, South Bethlehem, Pa. Cargo-handling apparatus. No. 1,235,768; Aug. 7; v. 241; p. 78.
- Cornbrooks, William A., assignor to Williams, White & Company, Moline, Ill. Punch-holder. No. 1,247,228; Nov. 20; v. 244; p. 686.
- Cornell, Robert F., assignor of one-fourth to H. C. Scovel, San Diego, Cal. Unicycle. No. 1,240,678; Sept. 18; v. 242; p. 683.
- Cornelson, Robert W., assignor to The Cott-A-Lap Company, Somerville, N. J. Calcimine and process of making same. No. 1,244,033; Oct. 23; v. 243; p. 912.
- Cornelius, Benjamin F., Norman, Okla. Railway-tie. No. 1,228,883; June 5; v. 239; p. 173.
- Cornelius, Clyde, Pittsburgh, Pa. Gas-pressure regulating and mixing valve. No. 1,229,038; June 5; v. 239; p. 223.
- Cornelius, Leroy D. (See Knowles and Cornelius.)
- Cornelius, William F., Birmingham, Ala. Trap. No. 1,249,337; Dec. 11; v. 245; p. 294.
- Cornell, Charles H., Valentine, Nebr. Rail-fastener. No. 1,244,590; Oct. 30; v. 243; p. 1117.
- Cornell, Charles H., Valentine, Nebr. Rail-fastening device. No. 1,244,707; Oct. 30; v. 243; p. 1153.
- Cornell, William L., Brown Mills, N. J. Air-moistening attachment for incubators. No. 1,220,497; Mar. 27; v. 236; p. 1015.
- Cornels, C. F., *et al.* (See James, Bertie R., assignor.)
- Cornely, Robert, Paris, France. Embroidering presser-foot. No. 1,221,291; Apr. 3; v. 237; p. 103.
- Cornely, Robert, Paris, France. Sewing-machine. No. 1,223,564; Apr. 24; v. 237; p. 998.
- Cornely, Robert, Paris, France. Sewing-machine. No. 1,227,119; May 22; v. 238; p. 1160.
- Cornet, George, San Francisco, Cal. Os-calcis metatarsal-arch supporter. No. 1,219,257; Mar. 13; v. 236; p. 513.
- Cornett, James M., Kewanee, Ill. Hog-sty. No. 1,212,910; Jan. 16; v. 234; p. 941.
- Corning Glass Works. (See Gage and Pascucci, assignors.)
- Cornish, F. E. (See Dixon and Vettel, assignors.)
- Cornish, Harry S., New York, N. Y., assignor of one-third to H. B. Christian, Richmond, Va. Liquid-dispensing apparatus. No. 1,212,186; Jan. 16; v. 234; p. 684.
- Cornish, Lorenzo D., Cincinnati, Ohio. Wrinkle-remover. No. 1,215,117; Feb. 6; v. 235; p. 221.
- Cornuelle, Theodore, Cincinnati, Ohio. Making concrete blocks. No. 1,233,847; July 17; v. 240; p. 823.
- Cornuelle, Theodore, Cincinnati, Ohio. Mold for the manufacture of concrete blocks. No. 1,233,848; July 17; v. 240; p. 829.
- Cornwall, George R., Rye, N. Y. Device for use in making printing-plates. No. 1,242,523; Oct. 9; v. 243; p. 374.
- Cornwall, George R., Rye, N. Y. Device for making printing-plates. No. 1,242,524; Oct. 16; v. 243; p. 642.
- Cornwall, George R., Rye, N. Y., assignor, by mesne assignments, to J. G. Coffin, trustee. Producing printing-plates. No. 1,215,493; Feb. 13; v. 235; p. 387.

- Cornwall, George R., Rye, N. Y., assignor, by mesne assignments, to J. R. Coffin, trustee. Printing-plate. No. 1,215,494; Feb. 13; v. 235; p. 387.
- Cornwall, John B., assignor to Barnard and Leas Manufacturing Company, Moline, Ill. Feed-regulator. No. 1,220,958; Mar. 27; v. 236; p. 1171.
- Cornwall, John B., assignor to Barnard and Leas Manufacturing Company, Moline, Ill. Grain-separator. No. 1,226,189; May 15; v. 238; p. 808.
- Cornwell, Daniel N., Antigo, Wis. Water-pipe cleaner. No. 1,238,269; Aug. 28; v. 241; p. 984.
- Cornwell, Frederick L., *et al.* (See Daven, Michael P., assignor.)
- Cornwell, William C., New York, N. Y. Pictorial representation and producing the same. No. 1,232,228; July 3; v. 240; p. 232.
- Corona Typewriter Company. (See Hazen, Marshman W., assignor.)
- Corona Typewriter Company. (See Latta, Emmet G., assignor.)
- Corona Typewriter Company. (See Mosher, Charles P., assignor.)
- Corona Typewriter Company. (See Petermann, Otto, assignor.)
- Corona Typewriter Company. (See Tucker, Benjamin W., assignor.)
- Corona Typewriter Company. (See Tucker and Dirand, assignors.)
- Corrall, Herbert, Helensburgh, Scotland, assignor to The Singer Manufacturing Company. Power-transmission device. No. 1,211,292; Jan. 2; v. 234; p. 315.
- Corrall, Herbert, Helensburgh, Scotland, assignor to The Singer Manufacturing Company. Power-transmitter. No. 1,211,293; Jan. 2; v. 234; p. 316.
- Corrall, Herbert, Parkview, Helensburgh, Scotland, assignor to The Singer Manufacturing Company. Feeding mechanism for sewing-machines. No. 1,231,133; June 26; v. 239; p. 1049.
- Corrall, Herbert, Parkview, Helensburgh, Scotland, assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,243,921; Oct. 23; v. 243; p. 878.
- Corrall, Herbert, Helensburgh, and J. M. Forbes, Scotstoun, Glasgow, Scotland, assignors to The Singer Manufacturing Company. Sewing-machine. No. 1,241,710; Oct. 2; v. 243; p. 77.
- Corrall, Herbert, Helensburgh, and J. M. Forbes, Scotstoun, Scotland, assignors to The Singer Manufacturing Company. Stop-motion mechanism for sewing-machines. No. 1,248,811; Dec. 4; v. 245; p. 114.
- Correll, Jefferson E., Bucyrus, Ohio. Conveying apparatus. No. 1,224,605; May 1; v. 238; p. 175.
- Correll, William M. (See Mayer and Correll.)
- Corrodi, Louis F., Abbeville, La. Film-feeding mechanism for cameras. No. 1,236,271; Aug. 7; v. 241; p. 238.
- Corsepins, George W., Downey, Idaho. Wire-stretcher. No. 1,244,836; Oct. 30; v. 243; p. 1191.
- Corson, William L., Alameda, assignor to Union Gas Engine Company, Oakland, Cal. Cam-shaft housing. No. 1,234,292; July 24; v. 240; p. 1007.
- Corswadt, Moritz F., Chicago, Ill. Attachment to a trowel. No. 1,239,671; Sept. 11; v. 242; p. 332.
- Cortesi, Cesare, E. Prassone, E. Erani, and A. Contini, Rome, Italy. Refrigerating apparatus. No. 1,237,303; Aug. 21; v. 241; p. 640.
- Cortland Carriage Goods Co. (See Higgins, George H., assignor.)
- Corvin, James F., assignor to McCord and Company, Chicago, Ill. Producing fluid-conduits in castings. No. 1,234,878; July 31; v. 240; p. 1226.
- Corwin, Ellis L., Key, Ohio. Bottom-dump mechanism for vehicle-bodies. No. 1,245,686; Nov. 6; v. 244; p. 165.
- Corwin, Horton, Jr., Philadelphia, Pa. Driving mechanism for automobiles. No. 1,247,229; Nov. 20; v. 244; p. 686.
- Cory, Fred P., assignor to The McClure Company, Saginaw, Mich. Spline-dowel for silo-staves. No. 1,212,327; Jan. 16; v. 234; p. 738.
- Coryell, William C., Youngstown, Ohio. Metal-handling apparatus for rolling-mills. No. 1,217,919; Mar. 6; v. 236; p. 12.
- Coryell, William C., Youngstown, Ohio. Rolling-mill. No. 1,221,029; Apr. 3; v. 237; p. 9.
- Coryell, William C., Youngstown, Ohio. Rolling-mill. No. 1,233,647; July 17; v. 240; p. 765.
- Coryell, William C., Youngstown, Ohio. Pulling device for rolling-mills. No. 1,238,002; Aug. 21; v. 241; p. 863.
- Cosad, Albert B., Piedmont, Cal. Saliva-ejector. No. 1,222,267; Apr. 10; v. 237; p. 475.
- Cosby, Edwin B., Kansas City, Mo. Nailing-block. No. 1,223,939; Apr. 24; v. 237; p. 1129.
- Cosby, Walter W., Birmingham, Mo. Lacing-fastener for pulleys. No. 1,221,792; Apr. 3; v. 237; p. 274.
- Cosco, Frederick C., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Locomotive-bumper. No. 1,215,622; Feb. 13; v. 235; p. 437.
- Cosgriff, Thomas A., Fulda, Minn. Envelop stamp and sealer. No. 1,233,033; July 10; v. 240; p. 527.
- Cosgrove, John W., Medford, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Cementing-machine. No. 1,242,925; Oct. 16; v. 243; p. 538.
- Cosgrove, John W., Medford, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for inserting fastenings. No. 1,250,285; Dec. 18; v. 245; p. 608.
- Cosgrove, John W., Medford, and E. Erickson, Beverly, Mass., assignors to United Shoe Machinery Company, Paterson, N. J. Machine for operating upon insoles. No. 1,246,237; Nov. 13; v. 244; p. 357.
- Coshland, Leopold B., New York, N. Y. Apparatus for forming ice-packages. No. 1,231,569; July 3; v. 240; p. 9.
- Coshov, Oliver P. (See Sanders, John F., assignor.)
- Cosner, Eddie L., Roanoke, W. Va. Supporting-hook. No. 1,225,585; May 8; v. 238; p. 560.
- Coss, Nesbitt H., Cleveland, Ohio. Necktie-stretcher. No. 1,217,712; Feb. 27; v. 235; p. 1263.
- Costa, Anthony, assignor to The Gravity Carburetor Company, Cleveland, Ohio. Apparatus for atomizing hydrocarbon fuels. No. 1,232,506; July 10; v. 240; p. 357.
- Costa, Anthony, assignor to The Gravity Carburetor Company, Cleveland, Ohio. Carburetor. No. 1,233,287; July 10; v. 240; p. 607.
- Costa, Mario, East Wallingford, Conn. Rubber heel. No. 1,235,013; July 31; v. 240; p. 1270.
- Costabile, Lucy. (See Kaplan, Arthur, assignor.)
- Costello, Frederick A., Southbridge, assignor, by mesne assignments, to H. F. Lyman, Boston, Mass. Electrically uniting metals. No. 1,248,812; Dec. 4; v. 245; p. 115.
- Costello, Frederick A., Southbridge, assignor, by mesne assignments, to H. F. Lyman, Boston, Mass. Electric welding and soldering. No. 1,248,813; Dec. 4; v. 245; p. 115.
- Costello, Joseph A., assignor to Cleveland Car Specialty Company, Cleveland, Ohio. Metal carline for car-roof frames. No. 1,218,629; Mar. 13; v. 236; p. 293.
- Costello, Joseph A., assignor to Cleveland Car Specialty Company, Cleveland, Ohio. Carline for car-roof frames. (Reissue.) No. 14,281; Apr. 3; v. 237; p. 283.
- Costello, Joseph A., assignor to Cleveland Car Specialty Company, Cleveland, Ohio. Metal carline. No. 1,231,712; July 3; v. 240; p. 60.
- Costello, Joseph A., assignor to Cleveland Car Specialty Company, Cleveland, Ohio. Metal carline. No. 1,232,002; July 3; v. 240; p. 156.
- Costello, Joseph A., assignor to Cleveland Car Specialty Company, Cleveland, Ohio. Metal carline. No. 1,232,003; July 3; v. 240; p. 156.
- Costello, Thomas H., Chicago, Ill. Map-mounting. No. 1,233,314; July 17; v. 240; p. 653.
- Costello, Thomas H., Chicago, Ill. Map-case. No. 1,233,315; July 17; v. 240; p. 653.
- Costello, Thomas H., Chicago, Ill. Map-cabinet. No. 1,233,316; July 17; v. 240; p. 654.
- Costello, Thomas H., Chicago, Ill. Map-cabinet. No. 1,233,317; July 17; v. 240; p. 654.
- Costello, Thomas H., Chicago, Ill. Map-cabinet and hanger therefor. No. 1,233,318; July 17; v. 240; p. 654.
- Coster, Charles. (See Gill, Walter A., assignor.)
- Costimeter Company, The. (See Linder, Joseph I., assignor.)
- Costley, Emery E., Walkersville, Md. Measuring device. No. 1,236,272; Aug. 7; v. 241; p. 238.
- Costmeter Company. (See Quigley, John T., assignor.)
- Costner, Robert E., Lincoln, N. C. Nozzle. No. 1,220,730; Mar. 27; v. 236; p. 1094.
- Côté, Arthur, Lyon, France. Buckle. No. 1,212,328; Jan. 16; v. 234; p. 738.
- Côté, Edmond. (See Plante, Elzear, assignor.)
- Côté, Paul J., Eburne, British Columbia, Canada. Automobile-lock. No. 1,236,913; Aug. 14; v. 241; p. 479.
- Côté, Paul J., Eburne, British Columbia, Canada. Automobile-lock. No. 1,236,914; Aug. 14; v. 241; p. 479.
- Côté, Paul J., Eburne, British Columbia, Canada. Salting-machine. No. 1,244,471; Oct. 30; v. 243; p. 1080.
- Cote Piano Mfg. Co. (See Cleveland, Willard E., assignor.)
- Côté, Prosper, St. Hyacinthe, Quebec, Canada. Shoe-last. No. 1,244,472; Oct. 30; v. 243; p. 1080.
- Cothern, Samuel I., Herrick, Ill. Mold. No. 1,214,431; Jan. 30; v. 234; p. 1529.
- Cotnam, William A., Norwalk, Iowa. Liquid-dispensing device. No. 1,250,976; Dec. 25; v. 245; p. 864.
- Cott-A-Lap Company, The. (See Cornelison, Robert W., assignor.)
- Cott-A-Lap Company, The. (See Merry, Alfred B., assignor.)
- Cott, Charles M., Columbus, Ohio. Index. No. 1,216,215; Feb. 13; v. 235; p. 648.
- Cott, Charles M., Columbus, Ohio. Loose-leaf binder. No. 1,229,891; June 12; v. 239; p. 559.
- Cottam, George, Saginaw, Mich. Planetary speed-reducing mechanism. No. 1,223,259; Apr. 17; v. 237; p. 858.
- Cottam, Robert T., Norfolk, Va. Tile-forming machine. No. 1,224,073; Apr. 24; v. 237; p. 1174.
- Cottard, Edouard, assignor to Société E. Cottard & Cie., Nezel, France. Machine for the production of iron turnings. No. 1,216,548; Feb. 20; v. 235; p. 818.
- Cotter, Richard G., Sausalito, Cal. Ladder. No. 1,217,713; Feb. 27; v. 235; p. 1264.

Alphabetical list of patentees—Continued.

- Cotterman, Frederick W., Newark, N. J., assignor of one-half to V. G. Apple, Dayton, Ohio. Gearing. No. 1,232,004; July 3; v. 240; p. 156.
- Cotterman, Legrand B. (See Snyder and Cotterman.)
- Cotterman, Legrand B. and J. L. Alger, Indianapolis, Ind. Safety chuck-clutch. No. 1,246,554; Nov. 13; v. 244; p. 453.
- Cottier, Francis A., Jr., Cleveland, Ohio. Stove or heater. No. 1,240,679; Sept. 18; v. 242; p. 684.
- Cottle, John H., New York, N. Y. Fountain-comb. No. 1,232,005; July 3; v. 240; p. 157.
- Cotton, Alfred, Newark, N. J. Automatic steam-jet furnace-stoker. No. 1,237,304; Aug. 21; v. 241; p. 640.
- Cotton Buckle and Tag Co. (See Childress, Henderson P., assignor.)
- Cotton, Caleb, assignor of one-third to I. P. Duncan and one-third to W. S. Theobald, Salt Lake City, Utah. Horseshoe with removable calks. No. 1,218,630; Mar. 13; v. 236; p. 294.
- Cotton, Claborn B., Dardanelle, Ark., assignor of one-half to G. F. Sproull, Memphis, Tenn. Method of and apparatus for ginning cotton. No. 1,234,092; July 17; v. 240; p. 906.
- Cotton Harvester Company of America. (See Ogden, Joseph J., assignor.)
- Cotton, Herbert M. (See Cotton, Orville D., assignor.)
- Cotton, James H., Toronto, Ontario, Canada. Manometer. No. 1,240,123; Sept. 11; v. 242; p. 472.
- Cotton Machinery Company. (See Brown and Westlin, assignors.)
- Cotton, Miller S., Bath, N. Y. Clothes-hanger. No. 1,235,443; July 31; v. 240; p. 1397.
- Cotton, Orville D., assignor to H. M. Cotton, Dayton, Ohio. Mechanically-operated furnace. No. 1,233,554; July 17; v. 240; p. 734.
- Cotton, Walter H., Chicago, Ill., assignor to Old Dutch Manufacturing Co., Huron, S. D. Self-cleaning spark-plug. No. 1,238,990; Sept. 4; v. 242; p. 87.
- Cotton, Walter H., Chicago, Ill., assignor to Union Draft Gear Co. Draft-gear. No. 1,243,389; Oct. 16; v. 243; p. 679.
- Cotton, William H., Salem, N. Y. Cover for sap-buckets. No. 1,228,096; May 29; v. 238; p. 1518.
- Cottrell, Archie E., Portland, assignor of one-fourth to P. M. Wood, Oregon City, Ore. Horizontal-turnable table for band-saws. No. 1,250,977; Dec. 25; v. 245; p. 865.
- Cottrell, Edgar H., Westerly, R. I., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Folding-machine. No. 1,226,948; May 22; v. 238; p. 1100.
- Cottrell, Joseph B., Edna, Ala. Culinary pliers. No. 1,224,606; May 1; v. 238; p. 175.
- Cottrell, William, assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Safety device for presses. No. 1,212,187; Jan. 16; v. 234; p. 685.
- Cottrell, William, and R. B. Benjamin, assignors to Benjamin Electric Manufacturing Company, Chicago, Ill. Oiling attachment for intermittently-operated machines. No. 1,246,886; Nov. 20; v. 244; p. 587.
- Couch, Albert B., assignor to B. Couch, Perry, Tex. Grain-hulling machine. No. 1,231,534; June 26; v. 239; p. 1179.
- Couch, Beryl. (See Couch, Albert B., assignor.)
- Couch, Buel, et al. (See Twitchell, Myron A., assignor.)
- Couch, Carrie S., Seneca, Ill. Flour-sifter. No. 1,243,081; Nov. 27; v. 244; p. 961.
- Couch, Forrest J. (See Kane and Couch.)
- Couch, Forrest J., assignor to American Laundry Machinery Company, Rochester, N. Y. Ironing-machine. No. 1,238,891; Sept. 4; v. 242; p. 55.
- Couch, Sylvester E., Clearwater, Fla. Portable couch. No. 1,227,586; May 29; v. 238; p. 1342.
- Couden, Earl R., Chicago, Ill. Folding stereoscope. No. 1,221,836; Apr. 10; v. 237; p. 322.
- Coughlin, Edward W., New Dorp, N. Y., assignor to Interlocking Rail Joint Corporation. Rail-joint. No. 1,231,333; June 26; v. 239; p. 1115.
- Coughlin, Joseph D., Dorchester, assignor to Federal Manufacturing Company, Boston, Mass. Toggle. No. 1,222,850; Apr. 17; v. 237; p. 720.
- Coughlin, Michael F., Boston, Mass., assignor to American Gum Products Company, Covington, Va. Rubber composition and making the same. No. 1,217,157; Feb. 27; v. 235; p. 1070.
- Coughlin, William G., Philadelphia, Pa. Railway-tie. No. 1,225,413; May 8; v. 238; p. 503.
- Coughtry, Arthur J., Brooklyn, N. Y. Collapsible ladder. No. 1,217,279; Feb. 27; v. 235; p. 1110.
- Cougill, Charles E., assignor of one-half to R. M. Tabor, Kalamazoo, Mich. Furnace. No. 1,214,279; Jan. 30; v. 234; p. 1477.
- Coulbourn, Jacob N., Federalburg, Md. Scalding apparatus. No. 1,213,843; Jan. 30; v. 234; p. 1327.
- Coulombe, Joseph C., Lowell, Mass. Fuel feeding and carbureting mechanism. No. 1,246,887; Nov. 20; v. 244; p. 588.
- Coulson, John, Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrolytic apparatus. No. 1,250,146; Dec. 18; v. 245; p. 567.
- Coulson, John, Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrolytic apparatus. No. 1,250,286; Dec. 18; v. 245; p. 609.
- Coulston, Harry. (See Palen and Coulston.)
- Coulter, Leonard P., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Welding-controller. No. 1,215,913; Feb. 13; v. 235; p. 539.
- Coulter, Leonard P., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Welding-controller. No. 1,215,914; Feb. 13; v. 235; p. 539.
- Coulter & McKenzie Machine Company, The. (See Berg, Andrew, assignor.)
- Coupal, Frank J., Buffalo, N. Y. Driving attachment for field-coils. No. 1,215,001; Feb. 6; v. 235; p. 184.
- Couper, Charles C., Norfolk, Va. Clamp for brackets. No. 1,241,823; Oct. 2; v. 243; p. 113.
- Couper, Richard H., Newark, N. J. Paint-box and support. No. 1,212,188; Jan. 16; v. 234; p. 685.
- Couper, William, Blacktail, assignor of one-half to J. C. Glahe, Burke, Idaho. Trolling-spoon. No. 1,224,074; Apr. 24; v. 237; p. 1175.
- Couplin, Charles A. (See Brannan, Cecil N., assignor.)
- Couret, Maurice J., assignor to Louisiana Biological Products, Incorporated, New Orleans, La. Manufacturing a vaccin for the prevention of hog-choleera and product therefrom. No. 1,246,059; Nov. 13; v. 244; p. 304.
- Cournyer, James H., Oskaloosa, Iowa. Siphon cream-mover. No. 1,237,871; Aug. 21; v. 241; p. 821.
- Coursen, Walter L. (See Rig and Coursen.)
- Courseon, John F., Pitcairn, Pa. Draft-gear. No. 1,225,111; May 8; v. 238; p. 400.
- Courseon, John F., Pitcairn, Pa. Draft-gear. No. 1,237,754; Aug. 21; v. 241; p. 787.
- Courseon, John F., Pitcairn, Pa. Draft-gear. No. 1,237,755; Aug. 21; v. 241; p. 787.
- Courseon, John F., Pitcairn, Pa. Draft-gear. No. 1,237,756; Aug. 21; v. 241; p. 787.
- Courseon, John F., Pitcairn, Pa. Draft-gear. No. 1,237,757; Aug. 21; v. 241; p. 788.
- Courseon, John F., Pitcairn, Pa. Draft-gear. No. 1,237,758; Aug. 21; v. 241; p. 788.
- Courseon, John F., Pitcairn, Pa. Draft-gear. No. 1,237,759; Aug. 21; v. 241; p. 788.
- Courseon, John F., Pitcairn, Pa. Draft-gear. No. 1,247,085; Nov. 20; v. 244; p. 644.
- Courseon, Ula L., Habira, Ga. Combined lamp-base and match-safe. No. 1,249,903; Dec. 11; v. 245; p. 459.
- Courtaulds, Limited. (See Clayton, James, assignor.)
- Courtaulds Limited. (See Linfoot, Maurice, assignor.)
- Courtesy, Henry L., assignor of one-half to W. A. Scamhorn, Spokane, Wash. Aerial multiple explosive bomb. No. 1,241,095; Sept. 25; v. 242; p. 846.
- Courtial, Louis, Lyon, France. Furniture. No. 1,249,721; Dec. 11; v. 245; p. 404.
- Courtland, William A. (See Rogers, Edward, assignor.)
- Courtland, William A., Brooklyn, N. Y., assignor to American Pin Company, Waterbury, Conn. Safety-pin machine. No. 1,228,651; June 5; v. 239; p. 93.
- Courtland, William A., Brooklyn, N. Y., assignor to American Pin Company, Waterbury, Conn. Article-feeding means. No. 1,230,870; June 26; v. 239; p. 958.
- Courtney, Edward D., Danville, Ind. Mop-head. No. 1,224,524; May 1; v. 238; p. 147.
- Courtney, James M. (See Grow and Courtney.)
- Courtney, Minder A., assignor of one-half to C. R. Patterson, Birmingham, Ala. Numbering-machine for printing-presses. No. 1,224,279; May 1; v. 238; p. 59.
- Courtot, Louis, Paris, France, assignor to American Radiator Company, Chicago, Ill. Shaking mechanism for furnace-grates. No. 1,232,006; July 3; v. 240; p. 157.
- Courtot, Louis, Paris, France, assignor to American Radiator Company, Chicago, Ill. Radiator. No. 1,239,428; Sept. 4; v. 242; p. 225.
- Courts, Benjamin D., assignor, by mesne assignments, to The Washitk Company, Toledo, Ohio. Sanitary mattress. No. 1,211,548; Jan. 9; v. 234; p. 436.
- Cousin, Paul A. J., Loos-Lex-Lille, France. Gas-producer. No. 1,246,888; Nov. 20; v. 244; p. 588.
- Cousins, Volney D., Oakland, Cal., assignor to American Telephone and Telegraph Company, Boston, Mass. Fraud-detecting telephone toll system. No. 1,222,077; Apr. 10; v. 237; p. 406.
- Coutts, James A. (See Gettz, William H., assignor.)
- Couture, Alexandre, Baltimore, Md. Rail-joint. No. 1,234,632; July 24; v. 240; p. 1117.
- Couve, Charles F., Aurora, Ill. Water-lift. No. 1,221,837; Apr. 10; v. 237; p. 323.
- Cove, Benjamin W., assignor to Henderson Wagon Works, Henderson, Ky. Wagon running-gear. No. 1,223,152; Apr. 17; v. 237; p. 824.
- Covell, Charles W., Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Insulating-support. No. 1,244,473; Oct. 30; v. 243; p. 1081.
- Coventry, William A., Lancaster, assignor to Grey Iron Casting Company, Mount Joy, Pa. Wheeled toy. No. 1,236,149; Aug. 7; v. 241; p. 199.
- Coventry, William A., Lancaster, assignor to Grey Iron Casting Company, Mount Joy, Pa. Toy. No. 1,236,670; Aug. 14; v. 241; p. 402.
- Coventry, William A., Lancaster, assignor to Grey Iron Casting Company, Mount Joy, Pa. Packaging toys. No. 1,236,677; Aug. 14; v. 241; p. 402.
- Cover, John W., Tacoma, Wash. Grinding-mill. No. 1,242,423; Oct. 9; v. 243; p. 344.
- Covert, Albert D., Leland, Ill. Covering device for take-up reels of moving-picture machines. No. 1,225,222; May 8; v. 238; p. 436.

- Covert, Erskine M., South Bend, Ind. Feeding mechanism for stamping-presses. No. 1,239,463; Sept. 11; v. 242; p. 266.
- Covert Manufacturing Company. (See Baxter, John B., assignor.)
- Covey, F. W. (See Frazure, Isaac N., assignor.)
- Covington, Marcus E. (See Hackley, George T., assignor.)
- Cowan, Charles E., et al. (See Ruckes, Michael, assignor.)
- Cowan, Forrest L., Beaver, Pa. Rack. No. 1,230,678; June 19; v. 239; p. 856.
- Cowan, Henry W., Hudson Falls, N. Y. Lamp attachment for automobiles. No. 1,230,382; June 19; v. 239; p. 757.
- Cowan, Park W. (See Morgan, Victor G., assignor.)
- Cowan Truck Company. (See Mason, George L., assignor.) (Reissue.)
- Cowart, Stephen A., Midlothian, Tex. Self-locking mechanism for steering-wheel shafts of automobiles. No. 1,221,688; Apr. 3; v. 237; p. 238.
- Cowart, Zachary T., Alameda, Cal. Attachment for stoves. No. 1,247,936; Nov. 27; v. 244; p. 923.
- Cowell, John W., Chicago, Ill. Screw-holding device. No. 1,212,743; Jan. 16; v. 234; p. 885.
- Cowell, William B., Catford, England. Bituminous paving composition and making it. No. 1,239,160; Sept. 4; v. 242; p. 141.
- Cowell, William H., Columbus, Ohio. Boring mechanism. No. 1,220,399; Mar. 27; v. 236; p. 981.
- Cowell, William M., Evansville, Ind. Wheel construction and mounting. No. 1,235,659; Aug. 7; v. 241; p. 42.
- Cowgill, Orph W., assignor of twelve one-hundredths to O. F. Stifel, twelve one-hundredths to L. H. Tiemann, twelve one-hundredths to A. G. Solari, twelve one-hundredths to J. Bonguer, and twelve one-hundredths to The Envelope Manufacturing Company, St. Louis, Mo. Machine for making envelopes. No. 1,218,597; Mar. 6; v. 236; p. 244.
- Cowl, William H., San Francisco, Cal. Device for fastening shoe-laces. No. 1,239,355; Sept. 4; v. 242; p. 204.
- Cowles, Herbert L., St. Johns, Oreg. Cabinet. No. 1,244,474; Oct. 30; v. 243; p. 1081.
- Cowles, John T., Chicago, Ill. Gold-dredge. No. 1,220,197; Mar. 27; v. 236; p. 908.
- Cowles, John T., Chicago, Ill. Bedclothes-holder. No. 1,220,198; Mar. 27; v. 236; p. 909.
- Cowles, Ray, San Francisco, Cal. Rotary multicylinder-engine. No. 1,245,443; Nov. 6; v. 244; p. 90.
- Cowles, William B., Cleveland, Ohio. Motor-oar. No. 1,234,293; July 24; v. 240; p. 1007.
- Cowles, William P., assignor of six-tenths to J. Wunder, Minneapolis, Minn. Reinforced concrete structure. (Reissue.) No. 1,433,366; July 31; v. 240; p. 1430.
- Cowley, James T., Minot, assignor to The Lamson Company, Boston, Mass. Selective discharge-conveyor. No. 1,225,586; May 8; v. 238; p. 561.
- Cowley, James T., Minot, assignor to The Lamson Company, Boston, Mass. Conveyor for newspapers and the like. No. 1,248,623; Dec. 4; v. 245; p. 58.
- Cowley, Ray C., Venice, Utah. Cultivator-beam. No. 1,231,241; June 26; v. 239; p. 1084.
- Cox, Albert D., Winterville, N. C. Electric lamp. No. 1,215,118; Feb. 6; v. 235; p. 222.
- Cox, Allen E. (See Craig and Cox.)
- Cox, Archibald, Plainfield, N. J., and A. H. Peter, New York, N. Y. Extraction and recovery of copper. No. 1,226,190; May 15; v. 238; p. 808.
- Cox, Arthur H., Shelby, Ohio. Jack. No. 1,237,481; Aug. 21; v. 241; p. 697.
- Cox, Arthur M., Commerce, Okla. Spectacles. No. 1,225,775; May 15; v. 238; p. 667.
- Cox, Berthold V. (See Cox, John C. and B. V.)
- Cox, Charles A., Westfield, Ill. Railway-tie and rail-fastening. No. 1,244,176; Oct. 23; v. 243; p. 952.
- Cox, Charles A., assignor to Moorman Manufacturing Company, Quincy, Ill. Hog-oiler. No. 1,216,081; Feb. 13; v. 235; p. 601.
- Cox, Charles F., Bridgeton, N. J. Gathering glass. No. 1,212,189; Jan. 16; v. 234; p. 686.
- Cox, Charles H., Grand Junction, Colo. Amusement device. No. 1,217,714; Feb. 27; v. 235; p. 1264.
- Cox, Charles N., Brockman, Cal. Dirigible headlight. No. 1,216,216; Feb. 13; v. 235; p. 648.
- Cox, Earl W., Seattle, Wash. Ball-bearing for drawers. No. 1,227,889; May 29; v. 238; p. 1447.
- Cox, Edward L., Denver, Colo., assignor to The Whitney Sporting Goods Company. Artificial bait. (Reissue.) No. 1,437,777; Oct. 16; v. 243; p. 768.
- Cox, Eldridge A., assignor of one-fourth to C. W. Thatcher, one-fourth to J. H. Bogart, and one-fourth to B. F. Westlake, Dayton, Ohio. Telephone apparatus. No. 1,215,002; Feb. 6; v. 235; p. 155.
- Cox, Ernest C., Newport News, Va. Signaling device for automobiles. No. 1,222,078; Apr. 10; v. 237; p. 406.
- Cox, George C. (See Cleveland, Willard E., assignor.)
- Cox, George W., Jr., Kensington, Md. Sorting-machine. No. 1,231,334; June 26; v. 239; p. 1115.
- Cox, Harold F., and M. V. Powell, Flint, assignors of one-fourth to V. F. Brown, Bay City, Mich. Vehicle-wheel. No. 1,219,258; Mar. 13; v. 236; p. 513.
- Cox, Henry A. (See Seaman, Osborne, Cox, and Gattie.)
- Cox, Henry A., G. E. Lloyd, Sutton, and H. E. Osborne, London, England. Means for operating a movable member in a mechanism by a passing body. No. 1,246,238; Nov. 13; v. 244; p. 357.
- Cox, James F., New York, N. Y. Nose-bag for animals. No. 1,246,720; Nov. 13; v. 244; p. 501.
- Cox, John C. and B. V., St. Louis, Mo. Disinfectant-dispensing attachment for flush-tanks. No. 1,220,398; Mar. 27; v. 236; p. 981.
- Cox, John H., Hot Springs, Ark. Combination safety-razor and hair-clipper. No. 1,217,570; Feb. 27; v. 235; p. 1214.
- Cox, Joseph S., Berthold, N. D. Bundle-carrier. No. 1,246,239; Nov. 13; v. 244; p. 357.
- Cox, Michael, New York, N. Y. Folding bed. No. 1,224,715; May 1; v. 238; p. 214.
- Cox, Millard F., Louisville, Ky. Fire-brick arch for boiler fire-boxes. No. 1,231,854; July 3; v. 240; p. 107.
- Cox, Millard F., Louisville, Ky. Power reverse-gear for locomotives. No. 1,231,855; July 3; v. 240; p. 107.
- Cox, Orlando A., Los Angeles, Cal. Dirigible-headlight mechanism. No. 1,220,731; Mar. 27; v. 236; p. 1095.
- Cox, Richard C., assignor to Crosby Steam Gage & Valve Company, Boston, Mass. Gage-tester. No. 1,218,060; Mar. 6; v. 236; p. 60.
- Cox, Robert K. (See Clanton and Cox.)
- Cox, Seberon J. M., Bristow, Okla. Spirit-level. No. 1,233,756; July 17; v. 240; p. 798.
- Cox, William F., Danville, Va. Apparatus for cleaning and heating air. No. 1,233,555; July 17; v. 240; p. 734.
- Cox, William H., Atlanta, Ga., assignor to H. E. Sessions, Columbia, S. C. Cotton-seed linter. No. 1,220,959; Mar. 27; v. 236; p. 1171.
- Cox, William H., Portsmouth, Va., assignor of one-half to C. C. Brick, Salem, Ohio. Collapsible boat. No. 1,227,247; May 22; v. 238; p. 1204.
- Cox, William J., Monmouth, Ill. Culvert. No. 1,230,383; June 19; v. 239; p. 757.
- Coy, Albert E., Chicago, Ill., assignor to The Magniphone Company. Sound-transmitting apparatus. No. 1,230,280; June 19; v. 239; p. 725.
- Coy, Albert E., Chicago, Ill., assignor to The Magniphone Company. Sound-transmitting apparatus. No. 1,230,281; June 19; v. 239; p. 725.
- Coyle, Henry J. (See Russey and Coyle.)
- Coyle, James R. (See Russey and Coyle.)
- Coyle, John. (See Taliaferro, Robinson, and Coyle.)
- Coyne, Anthony E., Marion, Ill. Shield or protector. No. 1,221,513; Apr. 3; v. 237; p. 180.
- Coyne, Patrick S., Kansas City, Mo. Paving-machine. No. 1,221,689; Apr. 3; v. 234; p. 238.
- Cozel, Stanislaw, Wilmington, Del. Nested lunch-container. No. 1,238,746; Sept. 4; v. 242; p. 8.
- Cozzolino, Donato, Los Angeles, Cal. Evaporator. No. 1,250,094; Dec. 11; v. 245; p. 512.
- Cozzolino, Donato, Los Angeles, Cal. Beverage. No. 1,250,095; Dec. 11; v. 245; p. 513.
- Crabbe, George N., Cresskill, assignor to Otis Elevator Company, Jersey City, N. J. Motor-control system. No. 1,245,194; Nov. 6; v. 244; p. 16.
- Crabill, Pearl P., and J. Turner, assignors to The Central Brass & Fixture Company, Springfield, Ohio. Shock-absorber. No. 1,232,659; July 10; v. 240; p. 405.
- Crabtree, Isaac W., Cairo, Ill. Fan attachment for swings. No. 1,239,161; Sept. 4; v. 242; p. 142.
- Crabtree, John L., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for treating photographic films. No. 1,225,929; May 15; v. 238; p. 719.
- Crabtree, John L., assignor to Eastman Kodak Company, Rochester, N. Y. Flash-powder. No. 1,240,027; Sept. 11; v. 242; p. 444.
- Crabtree, Lina. (See Salsman, Walter E., assignor.)
- Cracraft, Leich Electric Company. (See Leich, Oscar M., assignor.)
- Craddock, Arthur R., Christchurch, New Zealand. System of railway control. No. 1,229,235; June 12; v. 239; p. 339.
- Craft, Edward B., Hackensack, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone desk seat. No. 1,210,424; Jan. 2; v. 234; p. 16.
- Crahan, Michael F., Irvington, Ky. Adjustable sectional metallic form for concrete head-walls for culvert-pipes. No. 1,217,571; Feb. 27; v. 235; p. 1214.
- Craig, Albert P., Drayton, N. D. Bag-holder. No. 1,214,761; Feb. 6; v. 235; p. 98.
- Craig, Alexander, Sydney, New South Wales, Australia. Heel screw or protector for footwear. No. 1,240,680; Sept. 18; v. 242; p. 684.
- Craig, Alvin M., New Haven, Conn. Treating metals and alloys of metals. No. 1,243,714; Oct. 23; v. 243; p. 812.
- Craig, Alvin M., New Haven, Conn. Apparatus for treating metals and their alloys. No. 1,245,687; Nov. 6; v. 244; p. 165.
- Craig, Arthur B. (See Curran and Craig.)
- Craig, Arthur S., Kansas City, Mo. Spine rest or support. No. 1,225,776; May 15; v. 238; p. 668.
- Craig, Carl F., and W. Freeman, Pottsboro, Tex. Spring-tire. No. 1,231,498; June 26; v. 239; p. 1168.
- Craig, Clifford H., Redstone, N. H. Measuring instrument for tailors. No. 1,225,930; May 15; v. 238; p. 719.
- Craig, Clyde L., Washington Court-House, Ohio. Nut-lock. No. 1,216,952; Feb. 20; v. 235; p. 954.

Alphabetical list of patentees—Continued.

- Craig, Clyde L., assignor to The Coffman Manufacturing Company, Washington Court-House, Ohio. Folding chair. No. 1,218,611; Mar. 6; v. 236; p. 250.
- Craig, Clyde L., assignor to The Coffman Manufacturing Company, Washington Court-House, Ohio. Folding chair. No. 1,218,612; Mar. 6; v. 236; p. 250.
- Craig, David, Peabody, Mass. Pipe-union. No. 1,215,347; Feb. 13; v. 235; p. 335.
- Craig, David, Peabody, Mass. Pipe-union. No. 1,225,777; May 15; v. 238; p. 668.
- Craig, David, Peabody, Mass. Pressure and vacuum relief valve. No. 1,243,592; Oct. 16; v. 243; p. 739.
- Craig, Edgar M., Martinsburg, Iowa. Wire-clamp. No. 1,250,096; Dec. 11; v. 245; p. 513.
- Craig, Edward, Albion, Ill. Oil-burner. No. 1,214,432; Jan. 30; v. 234; p. 1529.
- Craig, Edward, St. Joseph, Mich. Fastener-driving machine. No. 1,224,280; May 1; v. 238; p. 60.
- Craig, Edward, St. Joseph, Mich., assignor, by mesne assignments, to Wirebounds Patents Company, Chicago, Ill. Stapling-machine. No. 1,211,823; Jan. 9; v. 234; p. 530.
- Craig, Edward, St. Joseph, assignor to Saranac Machine Company, Benton Harbor, Mich. Package-capping machine. No. 1,248,083; Nov. 27; v. 244; p. 962.
- Craig, Edward M., Charleston, W. Va. Window-screen. No. 1,228,536; June 5; v. 239; p. 56.
- Craig, Grinder and Mixer Co. (See Craig, James A., assignor.)
- Craig, Harvey G., assignor to Kraker Pen Co., Kansas City, Mo. Fountain-pen. No. 1,237,619; Aug. 21; v. 241; p. 742.
- Craig, Harvey G., St. Louis, assignor to Kraker Pen Co., Kansas City, Mo. Fountain-pen. No. 1,242,323; Oct. 9; v. 243; p. 312.
- Craig, James A., assignor to Craig Grinder and Mixer Co., New York, N. Y. Grinder-plate. No. 1,248,814; Dec. 4; v. 245; p. 115.
- Craig, Leroy L. (See Dudy and Craig.)
- Craig, Richard M., San Antonio, Tex. Apparatus for projecting motion-pictures. No. 1,247,646; Nov. 27; v. 244; p. 836.
- Craig, Robert, Los Angeles, Cal. Pitless turn-table. No. 1,237,022; Aug. 14; v. 241; p. 515.
- Craig, Robert B., Calgary, Alberta, and A. E. Cox, Okotoks, Alberta, Canada. Automatic time-switch. No. 1,245,572; Nov. 6; v. 244; p. 130.
- Craig, Robert M., Wilkesburg, Pa. Denture. No. 1,221,420; Apr. 3; v. 237; p. 147.
- Craig, Thomas J. I., Manchester, England. Fireproofing of fabrics and other articles. No. 1,225,414; May 8; v. 238; p. 503.
- Craig, Thomas J. I., assignor of one-half to the Company of Whipp Bros. & Tod Limited, Manchester, England. Fireproofing and bleaching of fabrics and the like. No. 1,224,145; May 1; v. 238; p. 10.
- Craighead, James R., Schenectady, N. Y., assignor to General Electric Company. Time-limit relay. No. 1,250,806; Dec. 18; v. 245; p. 764.
- Crain, Harry, H. V. Kingle, and E. E. Bundy, Enid, Okla. Truck. No. 1,240,178; Sept. 18; v. 242; p. 527.
- Crain, John J., assignor to The Waterbury Tool Company, Waterbury, Conn. Driving mechanism. No. 1,250,564; Dec. 18; v. 245; p. 693.
- Crain, John J., assignor to The Waterbury Tool Company, Waterbury, Conn. Driving mechanism. No. 1,250,565; Dec. 18; v. 245; p. 694.
- Crain, John W., Winchester, Ky. Hemp-brake. No. 1,213,750; Jan. 23; v. 234; p. 1264.
- Crain, William L., Los Angeles, Cal. Foldable camp-stove. No. 1,221,514; Apr. 3; v. 237; p. 181.
- Craire, Charles R. (See Morey and Craire.)
- Craire, William, Brookfield, N. Y. Silo. No. 1,212,911; Jan. 16; v. 234; p. 941.
- Craley, Clarence C., Parkersburg, Pa. Metal-working apparatus. No. 1,217,572; Feb. 27; v. 235; p. 1215.
- Cralley, John T., Chicago, Ill., assignor to P. H. Murphy Company, Parnassus, Pa. Anchor for roof-sheets. No. 1,226,861; May 22; v. 238; p. 1070.
- Cram, Hervey G., and C. A. Parsons, assignors to Great Northern Paper Company, Millinocket, Me. Wet machine. No. 1,225,778; May 15; v. 238; p. 668.
- Cramb, John. (See Baker and Cramb.)
- Cramer, B. D. (See Hodo, Wesley A. J., assignor.)
- Cramer, George A., Garrett, Ind. Foot-rest. No. 1,211,824; Jan. 9; v. 234; p. 531.
- Cramer, George H., assignor to Herschell-Spillman Company, North Tonawanda, N. Y. Seat-hanger for carousels. No. 1,217,280; Feb. 27; v. 235; p. 1111.
- Cramer, George H., assignor to Herschell-Spillman Company, North Tonawanda, N. Y. Seat-actuating mechanism for carousels. No. 1,230,998; June 26; v. 239; p. 1003.
- Cramer, Howard. (See Drerup and Cramer.)
- Cramer, Morris, Cleveland, Ohio. Handle for cutting-tools, die-stocks, &c. No. 1,215,119; Feb. 6; v. 235; p. 222.
- Cramer, Morris, Cleveland, Ohio. Pipe-cutter. No. 1,215,120; Feb. 6; v. 235; p. 222.
- Cramer, Morris, Cleveland, Ohio. Pipe-cutter. No. 1,215,121; Feb. 6; v. 235; p. 223.
- Cramer, Roy D., Worthington, Minn. Auxiliary bolster-support. No. 1,248,815; Dec. 4; v. 245; p. 116.
- Cramer, Stuart W., and W. B. Hodge, Charlotte, N. C. Regulator for air-conditioning apparatus. No. 1,231,570; July 3; v. 240; p. 10.
- Cramer, William D., Philadelphia, Pa. Wire screen. No. 1,238,747; Sept. 4; v. 242; p. 8.
- Crampton, Archie H., Chicago, Ill. Latch. No. 1,211,549; Jan. 9; v. 234; p. 436.
- Cranberry Harvester Company. (See Maglathlin, Horace B., assignor.)
- Crandal, Stone & Co. (See Winans, Daniel M., assignor.)
- Crandall, Chauncey C., et al. (See Twitchell, Myron A., assignor.)
- Crandall, Emery P., Washington, D. C. Permutation trunk-lock. No. 1,230,126; June 19; v. 239; p. 673.
- Crandall Engineering Company. (See Crandall, James L., assignor.)
- Crandall, Frank A., assignor to I. J. Crandall, Chicago, Ill. Polishing composition. No. 1,232,460; July 3; v. 240; p. 305.
- Crandall, Irene J. (See Crandall, Frank A., assignor.)
- Crandall, James L., Malden, assignor to Crandall Engineering Company, East Boston, Mass. Railway dry-dock. No. 1,210,425; Jan. 2; v. 234; p. 17.
- Crandall, Jay E., Belvidere, Ill. Stapling-tool. No. 1,250,566; Dec. 18; v. 245; p. 694.
- Crandall, John P., Buffalo, N. Y. Electrically-controlled releasing means. No. 1,239,569; Sept. 11; v. 242; p. 300.
- Crandall, Milton S., et al. (See Twitchell, Myron A., assignor.)
- Crane, Abram E., assignor of one-half to J. T. Enter, Fairport, N. Y. Harvester for cabbage and similar plants. No. 1,241,198; Sept. 25; v. 242; p. 879.
- Crane Company. (See Burke, Edmund, assignor.)
- Crane Company. (See Doolittle, William W., assignor.)
- Crane Company. (See Olson, Charles A., assignor.)
- Crane Company. (See Oswald, Walter L., assignor.)
- Crane, Ernest E., Chicago, Ill., assignor to American Manganese Steel Company, Augusta, Me. Driving-sheave for steam-shovels. No. 1,231,856; July 3; v. 240; p. 108.
- Crane, Ernest M., and C. R. Pelton, Detroit, Mich. Cabinet for electrical appliances. No. 1,214,433; Jan. 30; v. 234; p. 1529.
- Crane, Frank G., West Collingsworth, N. J., assignor of one-half to J. Balke, Chicago, Ill. Bowling-pin and making same. No. 1,227,248; May 22; v. 238; p. 1204.
- Crane, Frederick D., Montclair, N. J. Treating liquids. No. 1,223,153; Apr. 17; v. 237; p. 825.
- Crane, Frederick G., et al. (See Hammond, Grant, assignor.)
- Crane, Frederick M., Halsey, Ore. Vehicle attachment. No. 1,241,344; Sept. 25; v. 242; p. 926.
- Crane, Henry M., New York, N. Y., and R. R. Zimmer, assignors to Simplex Automobile Company, Inc., New Brunswick, N. J. Automobile-seat. No. 1,245,195; Nov. 6; v. 244; p. 16.
- Crane, John M., Neola, Iowa. Cue-straightener. No. 1,220,199; Mar. 27; v. 236; p. 909.
- Crane, Judd B., Ellensburg, Wash. Irrigation-plow. No. 1,248,271; Nov. 27; v. 244; p. 1017.
- Crane, Leslie F., Lansing, Mich. Automatic tire-pump. No. 1,229,039; June 5; v. 239; p. 223.
- Crane Manufacturing Company. (See Perkins, Charles H., assignor.)
- Crane, Martin B., and W. H. Mills, Seattle, Wash. Match-scratching attachment. No. 1,238,270; Aug. 28; v. 241; p. 985.
- Crane Puller Company. (See True, Augustus S., assignor.)
- Crane, Raymond E. (See Lawrence and Crane.)
- Crane, Richard. (See Snadecki, William J., assignor.)
- Crane, Samuel G., Toledo, Ohio, assignor to Toledo Scale Company, Jersey City, N. J. Scale. No. 1,214,011; Jan. 30; v. 234; p. 1385.
- Crane, Samuel G., Toledo, Ohio, assignor, by mesne assignments, to Toledo Scale Company, Newark, N. J. Electric sign. No. 1,217,715; Feb. 27; v. 235; p. 1264.
- Crane, Samuel G., Toledo, Ohio, assignor to Toledo Computing Scale Company, Newark, N. J. Automatic weighing-scale. No. 1,221,143; Apr. 3; v. 237; p. 49.
- Crane, Samuel G., assignor to Toledo Scale Company, Toledo, Ohio. Illuminated weighing-scale. No. 1,236,915; Aug. 14; v. 241; p. 479.
- Crane, Samuel G., assignor to Toledo Scale Company, Toledo, Ohio. Electrical connector. No. 1,248,272; Nov. 27; v. 244; p. 1017.
- Crane, Samuel G., assignor to Toledo Scale Company, Toledo, Ohio. Electric automatic scale. No. 1,248,273; Nov. 27; v. 244; p. 1017.
- Crane, Samuel W., McAlester, Okla. Combined exhibiting and dispensing apparatus. No. 1,242,149; Oct. 9; v. 243; p. 257.
- Crane, Samuel W., Lone Wolf, Okla. Seat attachment for riding-harrows. No. 1,244,295; Oct. 23; v. 243; p. 990.
- Crane, Warren N. (See Horne and Crane.)
- Crane, William H., Poughkeepsie, N. Y., assignor to Moline Plow Company. Harvester-elevator. No. 1,232,229; July 3; v. 240; p. 232.
- Crane, William H., Poughkeepsie, N. Y., assignor to Moline Plow Company. Grain harvester and binder. No. 1,240,028; Sept. 11; v. 242; p. 444.

- Crane, William H., Poughkeepsie, N. Y., assignor to Moline Plow Company. Wind-shield for harvesters. No. 1,240,424; Sept. 18; v. 242; p. 606.
- Cranford, Frederick L. (See Meem, James C., assignor.)
- Cranford, Ralph N., New York, N. Y. Automobile draft appliance. No. 1,234,294; July 24; v. 240; p. 1008.
- Crangle, John P., *et al.* (See Powell, Forrest M., assignor.)
- Crank, Floyd M., Muskogee, Okla. Headlight for automobiles, locomotives, &c. No. 1,246,396; Nov. 13; v. 244; p. 406.
- Cranmer, Howard, Wichita Falls, Tex. Route-indicator. No. 1,246,240; Nov. 13; v. 244; p. 358.
- Cranmer, William S., Fresno, Cal. Flying-machine or flier. No. 1,223,940; Apr. 24; v. 237; p. 1130.
- Cranska Thread Company. (See Hayes, Charles E., assignor.)
- Cranston, Edith M., *et al.* (See Van Esbroeck, François, assignor.)
- Cranston, Pardon H., *et al.* (See Flagg, Herman W., assignor.)
- Cranston, William H. (See Lord, Charles W., assignor.)
- Crapser, Morris H., assignor to E. J. Stewart, New York, N. Y. Floor-scrubbing machine. No. 1,214,513; Feb. 6; v. 235; p. 10.
- Crary Brokerage Company. (See Barnett, Stewart R., assignor.)
- Crate, Walter W., Camden, N. J. Manufacturing artificial teeth and other articles. No. 1,218,779; Mar. 13; v. 236; p. 348.
- Crate, Walter W., Camden, N. J. Artificial tooth. No. 1,246,060; Nov. 13; v. 244; p. 305.
- Crate, Walter W., Camden, N. J. Artificial tooth. No. 1,246,061; Nov. 13; v. 244; p. 305.
- Craven, Austin O., Colfax, La. Air-strainer attachment for carbureters. No. 1,251,342; Dec. 25; v. 245; p. 972.
- Craven, Claud C., Waurika, Okla. Tractor. No. 1,224,716; May 1; v. 238; p. 214.
- Craven, Dannie M., Sr., Paducah, Tex. Fireproof swing and ventilator. No. 1,241,824; Oct. 2; v. 243; p. 114.
- Craven, James F. (See Mason and Craven.)
- Craven, James F., Pittsburgh, Pa. Spike. No. 1,210,426; Jan. 2; v. 234; p. 17.
- Craven, James F., Pittsburgh, Pa. Automatic grease-cup. No. 1,222,851; Apr. 17; v. 237; p. 720.
- Craven, James F., Pittsburgh, Pa. Spike and tie-plate. No. 1,224,607; May 1; v. 238; p. 175.
- Craven, James F., Pittsburgh, Pa. Railway-rail fastener. No. 1,224,608; May 1; v. 238; p. 176.
- Craven, James F., Pittsburgh, Pa. Spike-puller. No. 1,224,609; May 1; v. 238; p. 176.
- Craven, James F., Pittsburgh, Pa. Paper barrel or keg. No. 1,234,633; July 24; v. 240; p. 1117.
- Craven, James F., Pittsburgh, Pa. Grease-cup. No. 1,234,635; July 24; v. 240; p. 1117.
- Craven, James F., Pittsburgh, Pa. Grease-cup. No. 1,234,636; July 24; v. 240; p. 1118.
- Craven, James F., Pittsburgh, Pa. Making chains. No. 1,242,325; Oct. 9; v. 243; p. 312.
- Craven, James F., Crafton, Pa. Collapsible package. No. 1,234,634; July 24; v. 240; p. 1117.
- Craven, James F., Crafton, Pa. Making chains. No. 1,242,324; Oct. 9; v. 243; p. 312.
- Crawford, A. T., *et al.* (See Rowan, William P., assignor.)
- Crawford, Albert B., Chicago, Ill. Envelop-sealing machine. No. 1,238,111; Aug. 28; v. 241; p. 932.
- Crawford, Aldyn T., Carmen, Okla. Let-down seat-back. No. 1,220,498; Mar. 27; v. 236; p. 1015.
- Crawford, Charles C., Wayside, Okla. Auxiliary carrier for automobiles. No. 1,249,338; Dec. 11; v. 245; p. 294.
- Crawford, David F., Pittsburgh, Pa. Automatic safety device. No. 1,218,061; Mar. 6; v. 236; p. 60.
- Crawford, David F., Bethel, Conn. Autograph attachment. No. 1,232,771; July 10; v. 240; p. 443.
- Crawford, David F., Pittsburgh, Pa. Block-signal. No. 1,241,927; Oct. 2; v. 243; p. 147.
- Crawford, Edgar J., assignor of one-half to J. E. Jordan, Seattle, Wash. Non-skid device. No. 1,249,722; Dec. 11; v. 245; p. 405.
- Crawford, Ellsworth A., Thatcher, Ariz. Pumping attachment for windmills. No. 1,228,297; May 29; v. 238; p. 1581.
- Crawford, Finis B., Atlanta, Mo. Silo roof and seal. No. 1,213,592; Jan. 23; v. 234; p. 1213.
- Crawford, Finis B., Atlanta, Mo. Silo-seal. No. 1,229,040; June 5; v. 239; p. 223.
- Crawford, Frank, Sr., assignor to The Crawford Manufacturing Company, New Brunswick, N. J. Stop-motion for knitting-machines. No. 1,212,912; Jan. 16; v. 234; p. 941.
- Crawford, Fred, Prosser, Wash. Cutting apparatus for mowers. No. 1,239,570; Sept. 11; v. 242; p. 300.
- Crawford, Fred S. (See Schaub and Crawford.)
- Crawford, Gustavus C., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. No. 1,248,461; Dec. 4; v. 245; p. 10.
- Crawford, Harry C. (See Fritz and Crawford.)
- Crawford, Harvey F., Brockton, Mass. Shank. No. 1,245,877; Nov. 6; v. 244; p. 222.
- Crawford, Henry D., St. Louis, Mo., assignor to E. E. Funsten Dried Fruit & Nut Company. Nut-cracking machine. No. 1,230,679; June 19; v. 239; p. 856.
- Crawford, Hezikiah H., El Paso, Tex. Floor-cleaner. No. 1,220,074; Mar. 20; v. 236; p. 828.
- Crawford, James. (See Crawford, Lawrence, assignor.)
- Crawford, James E., Tulsa, Tex. Dirigible headlight. No. 1,235,444; July 31; v. 240; p. 1397.
- Crawford, James O., Waco, Tex. Shade and drapery fixture. No. 1,211,094; Jan. 2; v. 234; p. 246.
- Crawford, Jefferson D. (See Snyder and Crawford.)
- Crawford, Jefferson D., and J. Hughes, San Francisco, Cal., assignors to Cactus Rubber Gum Company, Phoenix, Ariz. Ocotillo-gum solution. No. 1,249,034; Dec. 4; v. 245; p. 176.
- Crawford, John J., New York, N. Y. Vehicle-spring shackle. No. 1,219,259; Mar. 13; v. 236; p. 513.
- Crawford, John S., New London, Conn. Safety device for railways. No. 1,221,690; Apr. 3; v. 234; p. 239.
- Crawford, John S., and B. Moses, Ottawa, Ontario, Canada. Chemical fire-extinguisher. No. 1,239,259; Sept. 4; v. 242; p. 174.
- Crawford, Lawrence, New York, N. Y., assignor of one-half to J. Crawford, Philadelphia, Pa. Portable forge. No. 1,248,816; Dec. 4; v. 245; p. 116.
- Crawford, Maderson A., Ohio, La. Internal-combustion engine. No. 1,223,260; Apr. 17; v. 237; p. 858.
- Crawford Manufacturing Company, The. (See Crawford, Frank, Sr., assignor.)
- Crawford, McGregor and Canby Co., The. (See Eastman, Ernest A., assignor.)
- Crawford, Neil D., Elizabeth, N. J., assignor to New York Belting and Packing Company. Composite sheet material. No. 1,245,196; Nov. 6; v. 244; p. 17.
- Crawford, Paul H., Divisadero, Salvador. Belt-dressing. No. 1,242,424; Oct. 9; v. 243; p. 344.
- Crawford, Robert P., Pittsburgh, Pa. Combined go-cart and nursery-chair. No. 1,246,721; Nov. 13; v. 244; p. 501.
- Crawford, Rufus C., McKeesport, assignor of one-half to John T. Moyer, Oakmont, Pa. Explosive device. No. 1,243,817; Oct. 23; v. 243; p. 847.
- Crawford, Wesley C., Denver, Colo. Detachable handle. No. 1,236,678; Aug. 14; v. 241; p. 403.
- Crawford, William E., Devils Lake, N. D. Spring-wheel. No. 1,216,082; Feb. 13; v. 235; p. 601.
- Crawfordville Seed Company. (See Herr, Shirl, assignor.)
- Creagh-Osborne, Frank O., Horsell, Woking, and A. J. Hughes, London, England. Magnetic compass. No. 1,216,953; Feb. 20; v. 235; p. 954.
- Creamer, Irvin S., Pleasant Hill, Pa. Priming device. No. 1,226,191; May 15; v. 238; p. 808.
- Creamer, Robert E., Worcester, Mass. Pipe-cutting wrench. No. 1,215,623; Feb. 13; v. 235; p. 437.
- Creamery Package Manufacturing Company, The. (See Scovel, John C., Jr., assignor.)
- Creamery Package Manufacturing Company, The. (See Valerius, Theodore L., assignor.)
- Creamery Package Manufacturing Company. (See Valerius and Larsen, assignors.)
- Creasey, Samuel E., Portland, Me. Machine for extracting juice from fruits. No. 1,236,406; Aug. 14; v. 241; p. 312.
- Creelius, Carl F., Falmouth, Ky. Tooth-brush and dentifrice holder. No. 1,240,681; Sept. 18; v. 242; p. 685.
- Creelius, Lawrence P., assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Making rail-bonds. No. 1,225,316; May 8; v. 238; p. 469.
- Creelius, Lawrence P., assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Rail-bonding apparatus. No. 1,242,525; Oct. 9; v. 243; p. 375.
- Creelius, Lawrence P., assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Rail-bonding apparatus. No. 1,242,526; Oct. 9; v. 243; p. 375.
- Creelius, Lawrence P., assignor to The Electric Improvement Company, Cleveland, Ohio. Method and apparatus for bonding rails. No. 1,242,527; Oct. 9; v. 243; p. 376.
- Creelius, Lawrence P., and P. H. Eberlein, assignors to The Electric Railway Improvement Company, Cleveland, Ohio. Rail-bonding apparatus. No. 1,242,524; Oct. 9; v. 243; p. 375.
- Creech, Samuel E., and P. Bland, Sullivan, Ill. Hair-pin. No. 1,233,195; July 10; v. 240; p. 580.
- Creed, Frederick G., Croydon, England. Electric switch suitable for use in telegraphy. No. 1,218,062; Mar. 6; v. 236; p. 61.
- Creighton, Elmer E. F., Schenectady, N. Y., assignor to General Electric Company. Protective device. No. 1,213,844; Jan. 30; v. 234; p. 1328.
- Creighton, Elmer E. F., Schenectady, N. Y., assignor to General Electric Company. Protecting means for transmission systems. No. 1,225,587; May 8; v. 238; p. 561.
- Creighton, Elmer E. F., Schenectady, N. Y., assignor to General Electric Company. Protection of transmission systems. No. 1,230,680; June 19; v. 239; p. 857.
- Creighton, Elmer E. F., Schenectady, N. Y., assignor to General Electric Company. Protection of transmission systems. No. 1,230,681; June 19; v. 239; p. 857.
- Creighton, James R., Cambridge, Ill. Heater for automobiles. No. 1,221,691; Apr. 3; v. 237; p. 239.
- Creque, Frank J., Cuyahoga Falls, Ohio. Toy balloon. No. 1,245,444; Nov. 6; v. 244; p. 90.

Alphabetical list of patentees—Continued.

- Creque, Frank J., Cuyahoga Falls, Ohio. Ornamenting rubber articles. No. 1,251,182; Dec. 25; v. 245; p. 924.
- Crerar, George, Spokane, Wash., assignor of sixty one-hundredths to J. L. Boyle, Los Angeles, Cal. Method of and means for recovering metalliferous minerals by flotation. No. 1,232,772; July 10; v. 240; p. 443.
- Cresap, Andrew B., Manila, Philippine Islands. Manufacture of agglutinated rice-kernels. No. 1,221,973; Apr. 10; v. 237; p. 372.
- Crescent Stove Works. (See Dietrich, Henry C., assignor.)
- Creso, Peter C., Spanaway, Wash. Bed. No. 1,229,722; June 12; v. 239; p. 503.
- Cress, Guy G., Benedict, Kans. Concrete-tile form. No. 1,212,021; Jan. 9; v. 234; p. 600.
- Cresse, Edward G., *et al.* (See Hart, John W., assignor.)
- Cressman, Wayne E., Gwynedd Valley, Pa. Toy. No. 1,227,393; May 22; v. 238; p. 1249.
- Creswell, John H., Perote, Ala. Mail-box support. No. 1,215,915; Feb. 13; v. 235; p. 540.
- Creveling, John L., Auburn, N. Y. Electric regulation. No. 1,217,858; Feb. 27; v. 235; p. 1313.
- Creveling, John L., Auburn, N. Y. Charging and utilizing storage batteries. No. 1,250,978; Dec. 25; v. 245; p. 865.
- Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Electric regulation. No. 1,216,083; Feb. 13; v. 235; p. 601.
- Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Electric regulation. No. 1,223,313; Apr. 17; v. 237; p. 876.
- Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Electric regulation. No. 1,236,916; Aug. 14; v. 241; p. 480.
- Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Electric regulation. No. 1,239,772; Sept. 11; v. 242; p. 364.
- Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Electric distribution. No. 1,244,960; Oct. 30; v. 243; p. 1229.
- Creveling, John L., New York, N. Y., assignor to Safety Car Heating and Lighting Company. Electric regulation. No. 1,248,624; Dec. 4; v. 245; p. 58.
- Crew, Charles C. (See Connelley and Crew.)
- Crew-Levick Company. (See Burch, Eli F., assignor.)
- Crews, Thomas B., Jr., assignor to Vulcan Valve Company, St. Louis, Mo. Valve. No. 1,210,427; Jan. 2; v. 234; p. 17.
- Crewson, George G., Tottenville, assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Method of and apparatus for testing gases. No. 1,245,688; Nov. 6; v. 244; p. 166.
- Cribben & Sexton Company. (See Wilkinson and Harter, assignors.)
- Cribbs, Luther H., Dade City, Fla. Animal-shears. No. 1,221,292; Apr. 3; v. 237; p. 103.
- Cribbs, Thomas J., Clearwater, Fla. Currycomb. No. 1,241,928; Oct. 2; v. 243; p. 147.
- Crim, Belle N., Jordanville, N. Y. Culinary vessel. No. 1,248,274; Nov. 27; v. 244; p. 1018.
- Crimp, John A., Ellensburg, Wash. Coin-controlled mechanism. No. 1,217,716; Feb. 27; v. 235; p. 1265.
- Crippen, James B., Chicago, Ill., assignor, by mesne assignments, to General Engineering and Construction Company, Limited, Toronto, Canada. Electric relay. No. 1,228,097; May 29; v. 238; p. 1518.
- Criqui, Albert A., assignor to Buffalo Forge Company, Buffalo, N. Y. Centrifugal fan. No. 1,240,949; Sept. 25; v. 242; p. 801.
- Crisler, Horace, assignor of one-half to J. W. Sutherland, Doyleville, Ark. Cuspidor. No. 1,210,428; Jan. 2; v. 234; p. 18.
- Crisler, Horace, assignor of one-half to J. W. Sutherland, Doyleville, Ark. Mail-catching device. No. 1,221,147; Apr. 3; v. 237; p. 51.
- Crislip, Chester A., *et al.* (See Thompson, James V., assignor.)
- Crismore, Joseph A., deceased, Berwyn, Ill.; W. A. Carson, administrator. Resilient wheel. No. 1,243,265; Oct. 16; v. 243; p. 643.
- Crispell, George W., Albany, N. Y. Still. No. 1,231,857; July 3; v. 240; p. 108.
- Crispin, Clarence G., Salem township, Luzerne county, Pa. Pressure-valve. No. 1,244,177; Oct. 23; v. 243; p. 953.
- Crispin, Edward, New York, N. Y. Folding straight-edge. No. 1,249,339; Dec. 11; v. 245; p. 295.
- Crist, Firman R., Clayton, N. J. Dispensing-container. No. 1,221,838; Apr. 10; v. 237; p. 324.
- Crist, Frank, Columbus, Ohio. Pawl-and-ratchet mechanism. No. 1,246,555; Nov. 13; v. 244; p. 453.
- Crist, George E. (See Crist, William E., assignor.)
- Crist, John H., Oakmont, Pa. Bracket-supporting construction. No. 1,230,999; June 26; v. 239; p. 1003.
- Crist, John H., and J. C. Schilken, Pittsburgh, Pa. Adjustable bracket. No. 1,231,000; June 26; v. 239; p. 1004.
- Crist, William E., Baltimore, assignor of one-half to G. E. Crist, Sparrows Point, Md. Ventilated journal-box. No. 1,251,183; Dec. 25; v. 245; p. 925.
- Critchley, Daniel M. (See Von Sick, William M., assignor.)
- Critchlow, Benjamin P., Ogden, Utah. Dish-washer. No. 1,223,261; Apr. 17; v. 237; p. 858.
- Critchlow, Benjamin P., Ogden, Utah. Carbureter. No. 1,226,753; May 22; v. 238; p. 1034.
- Criterion Advertising Company. (See Taylor and Melville, assignors.)
- Crites, John H., Oilton, Okla. Car-replacing frog. No. 1,223,037; Apr. 17; v. 237; p. 784.
- Crites, Joe, assignor to Raymond Brothers Impact Pulverizer Company, Chicago, Ill. Pulverizing apparatus. No. 1,221,144; Apr. 3; v. 237; p. 50.
- Critical Manufacturing Company, The. (See Walker, Frederick F., assignor.)
- Crittenden, Frank C., Chicago, Ill. Gathering and jogging table. No. 1,228,750; June 5; v. 239; p. 128.
- Crittenden, Orlando, Ashland, Ohio. Drenching-tube. No. 1,238,390; Aug. 28; v. 241; p. 1023.
- Crittenden, Philip L., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electric pump-governor. No. 1,224,147; May 1; v. 238; p. 11.
- Crittenden, Philip L., Edgewood, and L. D. Saunders, Wilkinsburg, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Pump-unloading device. No. 1,224,146; May 1; v. 238; p. 10.
- Critz, Thomas O., Richmond, Va. Valve-grinding tool. No. 1,214,138; Jan. 30; v. 234; p. 1428.
- Crivelli, Giuseppe. (See Duro, Crivelli, and Pampuro.)
- Croce, Louis P., Asbury Park, N. J. Steel vehicle-body. No. 1,233,319; July 17; v. 240; p. 655.
- Crockard, Clarence H., *et al.* (See Johnston, Clarence S., assignor.)
- Crocker, Adele T., Berkeley, Cal., assignor to The Methodist Book Concern, New York, N. Y. Duplex envelop. No. 1,234,879; July 31; v. 240; p. 1226.
- Crocker, Ernest B. (See Blanchard, Crocker, and Keefer.)
- Crocker, Ralph W., Chicago, Ill. Packing cooked foods and products of the same. (Reissue.) No. 14,337; July 31; v. 240; p. 1431.
- Crocker, S. Chilton. (See Josselyn, Stormont, assignor.) (Reissue.)
- Crocker, Sabin. (See Carter and Crocker.)
- Crocker, Seth S., Wollaston, Mass. Fountain-pen. No. 1,212,744; Jan. 16; v. 234; p. 886.
- Crocker-Wheeler Company. (See Waring, Edward H., assignor.)
- Crocker-Wheeler Company. (See White, Harold E., assignor.)
- Crockett, Albert P., *et al.* (See Wolfe, Clinton M., assignor.)
- Crockett, Frank L., North Uxbridge, assignor to Whitin Machine Works, Whitinsville, Mass. Top-comb motion. No. 1,221,839; Apr. 10; v. 237; p. 324.
- Crockett, James C., Cleveland, Ohio. Apparatus for making sausage. No. 1,235,660; Aug. 7; v. 241; p. 42.
- Crockett, Samuel C., Bozeman, Mont., assignor to F. Leathers, Howard, Pa. Air-intake. No. 1,212,745; Jan. 16; v. 234; p. 886.
- Crofford, William A., Johnstown, Pa. Metal roadway. No. 1,234,138; July 24; v. 240; p. 957.
- Crofoot, John B., Chicago, Ill. Stapling-machine. No. 1,224,075; Apr. 24; v. 237; p. 1175.
- Crofoot, John B., Chicago, Ill. Magazine-hammer. No. 1,224,076; Apr. 24; v. 237; p. 1175.
- Crofts, Vernon C., *et al.* (See Edmonds, Roland, assignor.)
- Crogan, Charles W., Bangor, Me. Tape-measure. No. 1,216,418; Feb. 20; v. 235; p. 772.
- Crogan, Charles W., Bangor, Me. Tape-measure. No. 1,233,034; July 10; v. 240; p. 527.
- Croman, James E., Portland, Oreg., assignor to Tree Faller & Cutter Company. Tree-felling device. No. 1,211,414; Jan. 9; v. 234; p. 390.
- Crompt, Frank J., and F. J. and H. S. Peebles, Central Lake, Mich. Rotary motor. No. 1,214,434; Jan. 30; v. 234; p. 1529.
- Crompton, Charles, Worcester, Mass. Gas-engine. No. 1,241,199; Sept. 25; v. 242; p. 879.
- Crompton Company. (See Toupin, Louis, assignor.)
- Crompton, Elizabeth G., executrix. (See Lovegrove and Crompton.)
- Crompton, Frank. (See Crompton, Thomas A., Jr., and F.)
- Crompton, Frank E., Brooklyn, assignor to Signature Company, New York, N. Y. Mechanism for manipulating checks in plural-writing machines. No. 1,230,871; June 26; v. 239; p. 958.
- Crompton, Frank E., Brooklyn, assignor to Signature Company, New York, N. Y. Multiplex-writing machine. No. 1,230,872; June 26; v. 239; p. 959.
- Crompton, James. (See Dalton, Daniel F., assignor.)
- Crompton & Knowles Loom Works. (See Gagnon, Joseph A., assignor.)
- Crompton & Knowles Loom Works. (See Holmes and Davis, assignors.)
- Crompton & Knowles Loom Works. (See Hutchins, George F., assignor.)
- Crompton & Knowles Loom Works. (See Hutchins and Ryon, assignors.)
- Crompton & Knowles Loom Works. (See Jenckes, Lawrence B., assignor.)
- Crompton & Knowles Loom Works. (See McGuiness, Benjamin F., assignor.)
- Crompton & Knowles Loom Works. (See Morell, Alfred F., assignor.)
- Crompton & Knowles Loom Works. (See Ryon, Eppa H., assignor.)
- Crompton, Nigel G. (See Lovegrove and Crompton.)

- Crompton, Thomas A., Jr., London, England. Double-acting valve. No. 1,240,682; Sept. 18; v. 242; p. 685.
- Crompton, Thomas A., Jr., and F., London, England. Steaming apparatus for petrol-tanks and the like. No. 1,245,878; Nov. 6; v. 244; p. 223.
- Cromwell, Lewis M., Gracemont, Okla. Cotton-chopper. No. 1,226,754; May 22; v. 238; p. 1034.
- Cromwell, Oliver F. W., New York, N. Y. Foot-rest for radiators. No. 1,249,340; Dec. 11; v. 245; p. 295.
- Cron, Charles, and R. L. Dingle, Wilkes-Barre, Pa. Car-brake. No. 1,222,935; Apr. 17; v. 237; p. 748.
- Cronmeyer, Frederick W., Tonganoxie, Ark., assignor, by mesne assignments, to Tung-Lok Silo and Tank Company. Silo. No. 1,218,240; Mar. 6; v. 236; p. 124.
- Cronmiller, Moses E., Patton, Pa. Artificial arm and hand. No. 1,225,415; May 8; v. 238; p. 504.
- Cronenberg, William, Brooklyn, assignor to Morris Bernhard Co., New York, N. Y. Feed device for sewing-machines. No. 1,221,692; Apr. 3; v. 237; p. 239.
- Cronholm, Frederick N., Rupert, Idaho. Locking means for gates of irrigating-canals. No. 1,220,960; Mar. 27; v. 236; p. 1171.
- Cronick, Joseph H., Uniontown, Pa. Tree-stand. No. 1,240,319; Sept. 18; v. 242; p. 574.
- Cronin, John J. (See Klenk and Cronin.)
- Crook, Delbert H., San Pedro, Cal. Grade-indicator for vehicles. No. 1,229,041; June 5; v. 239; p. 224.
- Crook, Thomas J., Wichita, Kans. Hydrocarbon-lamp. No. 1,228,379; May 29; v. 238; p. 1608.
- Crook, Thomas J., Wichita, Kans. Hydrocarbon-burner. No. 1,238,003; Aug. 21; v. 241; p. 864.
- Crook, William A., Brewton, Ala. Shock-absorber. No. 1,215,122; Feb. 6; v. 235; p. 223.
- Crooke, Earl E., et al. (See Noel, Eugene E., assignor.)
- Crooks, C. L., et al. (See Newkirk, William P., assignor.)
- Cropley, Oscar W., Juniata, Nebr. Pan and jar lifter. No. 1,215,253; Feb. 6; v. 235; p. 269.
- Cropp, Andrew J., Chicago, Ill. Mixing-machine. No. 1,223,314; Apr. 17; v. 237; p. 876.
- Cropper, Sylvester. (See Duggan, Daniel J., assignor.)
- Cropper, William N., and S. L. Lancaster, Lexington, Ky. Screen-frame. No. 1,243,715; Oct. 23; v. 243; p. 812.
- Cropsey, Gustave V., Avenne, N. Y. Wine-server. No. 1,249,341; Dec. 11; v. 245; p. 295.
- Crosby, Arthur P., Minneapolis, Minn. Air-exhaust for heating systems. No. 1,217,281; Feb. 27; v. 235; p. 1111.
- Crosby, Gorham, Brooklyn, N. Y., assignor to Gould Coupler Company. Electrical system of distribution. No. 1,214,280; Jan. 30; v. 234; p. 1478.
- Crosby, Gorham, Glen Ridge, N. J., assignor to Gould Coupler Company. Electrical system of distribution. No. 1,241,485; Sept. 25; v. 242; p. 968.
- Crosby, Gorham, Glen Ridge, N. J., assignor to Gould Coupler Company. Dynamo-mounting. No. 1,242,528; Oct. 9; v. 243; p. 376.
- Crosby, Gorham, Glen Ridge, N. J., assignor to Gould Coupler Company. Dynamo suspension. No. 1,242,529; Oct. 9; v. 243; p. 376.
- Crosby, James E. (See Nutt, Daniel J., assignor.)
- Crosby, Oliver, assignor to American Hoist & Derrick Company, St. Paul, Minn. Unloading-sling for derricks. No. 1,221,693; Apr. 3; v. 237; p. 240.
- Crosby, Oliver, assignor to American Hoist & Derrick Company, St. Paul, Minn. Sling. No. 1,224,148; May 1; v. 238; p. 11.
- Crosby, Oliver, assignor to American Hoist & Derrick Company, St. Paul, Minn. Clip for wire-rope members. No. 1,245,197; Nov. 6; v. 244; p. 17.
- Crosby, Oliver, assignor to American Hoist and Derrick Co., St. Paul, Minn. Ditching-machine. No. 1,249,035; Dec. 4; v. 245; p. 176.
- Crosby Steam Gage & Valve Company. (See Clark, George H., assignor.)
- Crosby Steam Gage & Valve Company. (See Cox, Richard C., assignor.)
- Crosiar, Glenn F., Joliet, Ill. Power-hammer. No. 1,221,421; Apr. 3; v. 237; p. 147.
- Crosland, Delevante W., San Francisco, Cal. Roller-bearing. No. 1,242,530; Oct. 9; v. 243; p. 377.
- Crosley, Powell, Jr., Cincinnati, Ohio. Steering attachment. No. 1,214,651; Feb. 6; v. 235; p. 60.
- Cross, Arthur N., Philadelphia, Pa. Artificial tooth. No. 1,234,139; July 24; v. 240; p. 957.
- Cross, Clay. (See Hannon and Cross.)
- Cross, George C., Cleveland, Ohio. Driven-well point and strainer. No. 1,211,415; Jan. 9; v. 234; p. 390.
- Cross, Milton O., Detroit, Mich. Gear-shifting device. No. 1,248,817; Dec. 4; v. 245; p. 116.
- Cross, Neal, assignor of one-half to F. S. Gates, Ardmore, Okla. Insect-extermimator. No. 1,229,236; June 12; v. 239; p. 339.
- Cross Paper Feeder Company. (See Hallstream, Henning, assignor.)
- Cross, Ralph W., Dallas, Tex. Weather-strip. No. 1,247,377; Nov. 20; v. 244; p. 727.
- Cross, Thomas Y., et al. (See Collins, Oliver P., assignor.)
- Crossen, Elmer J., Joliet, Ill. Coke-oven. No. 1,227,518; May 22; v. 238; p. 1291.
- Crossley, Albert D., Hartford, Conn., assignor of one-half to N. F. Wilson, New York, N. Y. Ambulance operating-table. No. 1,225,015; May 8; v. 238; p. 367.
- Crossley, Elijah R., Chicago, Ill. Head-clamp and eyelid-holder for surgical operations on the eye. No. 1,230,873; June 26; v. 239; p. 959.
- Crossley, Ernest H. W., Melbourne, Victoria, Australia. Device for indicating the location of wrecks and disabled marine vessels. No. 1,250,807; Dec. 18; v. 245; p. 765.
- Crossley, James S., Solvay, N. Y. Electric switch. No. 1,213,751; Jan. 23; v. 234; p. 1264.
- Crossley, Joseph, Trenton, N. J. Continuous mixing-mill. No. 1,231,499; June 26; v. 239; p. 1168.
- Crossman, Martin R., Boston, Mass. Pen and pencil holder. No. 1,228,298; May 29; v. 238; p. 1581.
- Crosti, Pietro, Milan, Italy. Steam-locomotive. No. 1,236,679; Aug. 14; v. 241; p. 403.
- Crosti, Piero, Milan, Italy. Boiler. No. 1,250,979; Dec. 25; v. 245; p. 866.
- Croston, George, Hoquiam, Wash. Photoprinting-machine. No. 1,212,022; Jan. 9; v. 234; p. 600.
- Crowdwell, Walter W., Crumpsall, Manchester, England. Instrument for recording percentage volumes of constituent gases. No. 1,229,587; June 12; v. 239; p. 458.
- Crouch, Clayton, and G. J. Hewlett, Cleveland, Ohio. Drying-machine. No. 1,250,988; Dec. 25; v. 245; p. 866.
- Crouch, Frank J., Portland, Oreg. Pump. No. 1,246,241; Nov. 13; v. 244; p. 358.
- Crouch, John G., Evansville, Ind. Mud or ice tread for automobile-wheels. No. 1,214,435; Jan. 30; v. 234; p. 1530.
- Crouch, Thomas C., Saskatoon, Saskatchewan, Canada. Automobile-heater. No. 1,219,924; Mar. 20; v. 236; p. 775.
- Crouse, David E. (See Eidson, Davis, and Crouse.)
- Crouse, Emory, Wichita, Kans. Liquid-dispensing measure. No. 1,248,818; Dec. 4; v. 245; p. 117.
- Crouse-Hinds Company. (See Bissell, Carl H., assignor.)
- Crouse-Hinds Company. (See Bissell and Dossert, assignors.)
- Crouse-Hinds Company. (See Bissell and Gidley, assignors.)
- Crouse-Hinds Company. (See Bissell and Smith, assignors.)
- Crouse-Hinds Company. (See Dossert and Stewart, assignors.)
- Crouse-Hinds Company. (See Gidley, Daniel C., assignor.)
- Crouse-Hinds Company. (See Hills and Dossert, assignors.)
- Crouse-Hinds Company. (See Jones, Ralph E., assignor.)
- Crouse-Hinds Company. (See Mantel, Florian J., assignor.)
- Crouse-Hinds Company. (See Olley, Edwin A., assignor.)
- Crouse-Hinds Company. (See Parker, John E., assignor.)
- Crouse-Hinds Company. (See Parker and Winter, assignors.)
- Crouse-Hinds Company. (See Smith, Elda G., assignor.)
- Crouse-Hinds Company. (See Smith, Floyd C., assignor.)
- Crouse-Hinds Company. (See Stewart, George L., assignor.)
- Crouse-Hinds Company. (See Van Ranst, Samuel B., assignor.)
- Crout, John C. (See Ashworth and Crout.)
- Crovo, Paul, Carlstadt, N. J., assignor to Beverage Machine and Bottle Co., Incorporated, New York, N. Y. Liquid-valve. No. 1,223,033; Apr. 17; v. 237; p. 754.
- Crovo, Paul, Carlstadt, N. J., assignor to Beverage Machine and Bottle Co., Incorporated, New York, N. Y. Siphon-head. No. 1,238,271; Aug. 28; v. 241; p. 985.
- Crow, Charles L., Alexander City, Mont. Antislipping armored pneumatic tire. No. 1,226,862; May 22; v. 238; p. 1071.
- Crow, Charles L., Alexander City, Ala. Automatic self-healing inner tube for pneumatic tires. No. 1,235,528; July 31; v. 240; p. 1425.
- Crow, Jesse J., Dallas, Tex. Dish-washing machine. No. 1,246,556; Nov. 13; v. 244; p. 454.
- Crow, Jesse M. (See Potts and Crow.)
- Crow, Walter M., Spencer, Ind. Finger-board for violins and the like. No. 1,237,872; Aug. 21; v. 241; p. 822.
- Crowder, David F., St. Louis, Mo. Machine for nesting or bundling stovepipe-elbows and the like. No. 1,246,557; Nov. 13; v. 244; p. 454.
- Crowdus, Walter A., assignor to J. P. Mentzer, Chicago, Ill. Separator for storage-battery couples. No. 1,217,573; Feb. 27; v. 235; p. 1215.
- Crowe, Francis T., Moran, Wyo. Dumping device for excavating-buckets. No. 1,234,734; July 31; v. 240; p. 1183.
- Crowe, Frederick C., North Yakima, Wash. Pump. No. 1,227,890; May 29; v. 238; p. 1447.
- Crowe, Gertrude B., Rickleton, Wash. Orange or similar fruit serving utensil. No. 1,236,058; Aug. 7; v. 241; p. 173.
- Crowe, John F., San Francisco, Cal. Pipe-union. No. 1,248,275; Nov. 27; v. 244; p. 1018.
- Crowe, Myron L., Holliston, Mass. Coating metallic articles to prevent oxidation. No. 1,247,086; Nov. 20; v. 244; p. 644.
- Crowe, Paul L., New York, N. Y. Ash-dumping mechanism. No. 1,224,904; May 8; v. 238; p. 330.
- Crowe, Thomas J., Dallas, Tex. Spring-wheel. No. 1,229,892; June 12; v. 239; p. 560.
- Crowell, Alonzo H. (See Cline, Crowell, and McCorkle.)

Alphabetical list of patentees—Continued.

- Crowell, Charles H., Brooklyn, N. Y. Strip moistening and delivering machine. No. 1,244,708; Oct. 30; v. 243; p. 1163.
- Crowell, Charles H., Brooklyn, N. Y. Hand-operated tape-moistener. No. 1,244,837; Oct. 30; v. 243; p. 1191.
- Crowell, Charles R., Greensburg, Pa. Door-hanger. No. 1,214,762; Feb. 6; v. 235; p. 98.
- Crowell, Charles W., Biscoe, N. C. Spark-arrester. No. 1,229,588; June 12; v. 239; p. 459.
- Crowell, John E., Union county, N. C. Automatic advancing-gear. No. 1,229,893; June 12; v. 239; p. 560.
- Crowell, Pearl K., San Antonio, Tex., assignor of one-half to C. H. Fish, Brookline, Mass. Cotton trampler and baler. No. 1,235,556; Aug. 7; v. 241; p. 8.
- Crowell, Walter S., Philadelphia, Pa., assignor to The S. S. White Dental Manufacturing Company. Dental cement. No. 1,244,296; Oct. 23; v. 243; p. 991.
- Crowell, Walter S., Philadelphia, Pa., assignor to The S. S. White Dental Manufacturing Company. Dental cement. No. 1,245,879; Nov. 6; v. 244; p. 223.
- Crowley, Dennis E., Milwaukee, Wis. Rail-anchoring device. No. 1,213,338; Jan. 23; v. 234; p. 1124.
- Crowley, Dennis E., Milwaukee, Wis. Anticreeping device for rails. No. 1,227,755; May 29; v. 238; p. 1400.
- Crowley, George E., assignor of one-half to M. W. Perry, Bath, S. C. Lock-nut. No. 1,216,954; Feb. 20; v. 235; p. 955.
- Crowley, James F., Jr., Larue, Ohio. Cement-block mold. No. 1,250,097; Dec. 11; v. 245; p. 513.
- Crowley, John T., assignor to The Beacon Falls Rubber Shoe Company, Beacon Falls, Conn. Apparatus for treating rubber articles. No. 1,225,779; May 15; v. 238; p. 669.
- Crowley, John T., Beacon Falls, Conn., assignor, by mesne assignments, to The Beacon Falls Rubber Shoe Company. Side-pocket pac. No. 1,228,884; June 5; v. 239; p. 174.
- Crown Company, The. (See Leonard, Norris C., assignor.)
- Crown Cork and Seal Company of Baltimore City, The. (See Kryzanowsky, Constant J., assignor.)
- Crown Cork and Seal Company of Baltimore City, The. (See La Porte, Norbert M., assignor.)
- Crown Cork & Seal Company of Baltimore City, The. (See Letsch, Frederick W., assignor.)
- Crown Maltose Company. (See Hemig, Fred J., assignor.)
- Crown Optical Company. (See Mihalyi, Joseph, assignor.)
- Crown Optical Company. (See Stout, Charles H., assignor.)
- Crown Optical Company. (See Zwilling, Max, assignor.)
- Crowns, George H., *et al.* (See Lohse, Wilhelm R., assignor.)
- Crowson, Jonas H., Texarkana, Tex. Separator. No. 1,221,974; Apr. 10; v. 237; p. 372.
- Crozier, Le Roy. (See Stoudt, Michael, assignor.)
- Cru Patents Corporation. (See Uebelmesser, Charles, assignor.)
- Crucible Steel Company of America. (See Shonnard, Harold W., assignor.)
- Cruikshank, Ernest W., Baltimore, Md. Auto-mat holder. No. 1,213,079; Jan. 16; v. 234; p. 999.
- Cruikshank, James W., assignor to J. W. Cruikshank Engineering Company, Pittsburgh, Pa. Apparatus for manipulating plate-glass. No. 1,248,819; Dec. 4; v. 245; p. 117.
- Cruise, E. D. (See Musgrove, Roy M., assignor.)
- Crum, Charles W., Olney, Ill. Bottle-bracket. No. 1,215,495; Feb. 13; v. 235; p. 387.
- Crum, Hollis B., assignor to R. C. Penfield, Chicago, Ill. Brick-setter with self-acting gripping-fingers. No. 1,221,793; Apr. 3; v. 237; p. 274.
- Crum, Hollis B., assignor to R. C. Penfield, Chicago, Ill. Apparatus for handling brick. No. 1,222,535; Apr. 10; v. 237; p. 569.
- Crum, J. Corwin, Scott City, Kans. Rail-fastener. No. 1,224,078; Apr. 24; v. 237; p. 1176.
- Crumb, John H., Platte, S. D. Car-door. No. 1,218,377; Mar. 6; v. 236; p. 170.
- Crumbaugh, George P., assignor of one-half to E. W. Grove, St. Louis, Mo. Coating apparatus. No. 1,218,241; Mar. 6; v. 236; p. 124.
- Crumbaugh, George P., assignor of one-half to E. W. Grove, St. Louis, Mo. Plaster-board with key-openings. No. 1,224,077; Apr. 24; v. 237; p. 1175.
- Crump, Armistead C., New York, N. Y. Valve mechanism. No. 1,224,447; May 1; v. 238; p. 121.
- Crump, Frank H., Los Angeles, Cal. Holder for loose-leaf binders. No. 1,229,894; June 12; v. 239; p. 560.
- Crump, James I., East Orange, N. J. Toy or educational device. No. 1,224,363; May 1; v. 238; p. 90.
- Crump, Robert B., Hoboken, N. J. Adjustable shade-roller. No. 1,238,642; Aug. 28; v. 241; p. 1104.
- Crump, Walter S. (See Vanek, Frank, assignor.)
- Crumpton, William J., Superior, Wis., assignor, by mesne assignments, to W. R. Heath, Buffalo, N. Y. Tabulating mechanism. No. 1,219,376; Mar. 13; v. 236; p. 555.
- Crumpton, William J., Evanston, Ill., assignor to W. R. Heath, Buffalo, N. Y. Accounting system. No. 1,237,620; Aug. 21; v. 241; p. 742.
- Crumrine, Ellen M., Lima, Ohio. Hose-supporter. No. 1,227,042; May 22; v. 238; p. 1134.
- Cruse, R. P. (See Burns, Thomas F., assignor.)
- Crusey, Elmer, Sidney, Ohio. Photographic-print-washing machine. No. 1,240,425; Sept. 18; v. 242; p. 606.
- Cruz, Patricio. (See Pena and Cruz.)
- Crystal Machine Company. (See Church, Albert T., assignor.)
- Crystal Springs Bleachery Co. (See Yates, Arthur E., assignor.)
- Crystallized Milk Company. (See Roeh, John, assignor.)
- Csanyi, Henry, New York, N. Y. Film-feeding mechanism. No. 1,241,200; Sept. 25; v. 242; p. 879.
- Csanyi, Henry, New York, N. Y. Signal apparatus. No. 1,251,184; Dec. 25; v. 245; p. 925.
- Csigas, John, Springfield, Mass. Micrometer. No. 1,233,556; July 17; v. 240; p. 734.
- Csversko, George. (See Karolle and Csversko.)
- Cuba Self Loading Cane Truck Corporation. (See Reasoner, Claude C., assignor.)
- Cuban-American Sugar Company, The. (See Hughes, Peter F., assignor.)
- Cuesta, Francisco Q., Habana, Cuba. Non-refillable bottle. No. 1,229,895; June 12; v. 239; p. 561.
- Cuff, George, Poynette, Wis. Traction-engine. No. 1,221,975; Apr. 10; v. 237; p. 372.
- Cuff, Thomas, Govan, Saskatchewan, Canada. Locking device for the steering-gears of automobiles. No. 1,211,550; Jan. 9; v. 234; p. 436.
- Cuff, Thomas, Govan, Saskatchewan, Canada. Auxiliary air-valve. No. 1,235,189; July 31; v. 240; p. 1322.
- Cugley, George, assignor to The Buckeye Incubator Company, Springfield, Ohio. Hover. No. 1,227,120; May 22; v. 238; p. 1161.
- Culbert, Charles L., Baltimore, Md. Power mechanism. No. 1,222,186; Apr. 10; v. 237; p. 446.
- Culbertson, William R., *et al.* (See Wolfe, Clinton M., assignor.)
- Culhane, Patrick J., assignor, by mesne assignments, to The Elwell-Parker Electric Company, Cleveland, Ohio. Coupling device. No. 1,233,849; July 17; v. 240; p. 829.
- Culkin, John L., Chatsworth, Ill. Shock forming and making machine. No. 1,236,680; Aug. 14; v. 241; p. 403.
- Cullen, George M., Milwaukee, Wis. Canceling-machine. No. 1,214,898; Feb. 6; v. 235; p. 145.
- Cullen, John A. (See Cameron and Cullen.)
- Cullen, William J., Joliet, Ill., assignor to American Can Company, New York, N. Y. Container-body. No. 1,239,162; Sept. 4; v. 242; p. 142.
- Cullen, William J., Joliet, Ill., assignor to American Can Company, New York, N. Y. Container-body. No. 1,239,163; Sept. 4; v. 242; p. 142.
- Culley, Oscar L., Chicago, Ill. Pin-clasp. No. 1,248,625; Dec. 4; v. 245; p. 59.
- Cullom, Frank G. (See Tuttle, Robert L., assignor.)
- Cullum, John M., *et al.* (See Taylor, Ewing H., assignor.)
- Culp, Alpha B., Wakarusa, Ind. Hay-mowing apparatus. No. 1,230,127; June 19; v. 239; p. 673.
- Culp, Arthur J., assignor of one-fourth to J. W. Stanfield, Clanton, Ala. Engine. No. 1,211,095; Jan. 2; v. 234; p. 247.
- Culp, Robert G., Covenough, Pa. Mail-bag-receiving apparatus. No. 1,219,441; Mar. 20; v. 236; p. 607.
- Culter, Frank, Cincinnati, Ohio. Safety steering device for automobiles. No. 1,250,287; Dec. 18; v. 245; p. 609.
- Culton, James, Denver, Colo. Railway safety appliance. No. 1,235,879; Aug. 7; v. 241; p. 115.
- Culton, James, Denver, Colo. Railway safety appliance. No. 1,235,880; Aug. 7; v. 241; p. 115.
- Culton, James, Denver, Colo. Movement-controlling mechanism for power-driven vehicles. No. 1,241,711; Oct. 2; v. 243; p. 77.
- Culton, James, Denver, Colo. Railway-track trip. No. 1,241,712; Oct. 2; v. 243; p. 78.
- Cumfer, Harry A., assignor to Guyton & Cumfer Manufacturing Company, Chicago, Ill. Conduit system for viscous mastic materials. No. 1,247,937; Nov. 27; v. 244; p. 923.
- Cummer, Arthur J., and C. F. and M. G. Matz, Dubuque, Iowa. Harrow. No. 1,218,930; Mar. 13; v. 236; p. 403.
- Cummer, Herbert H., Cadillac, Mich. Collapsible box. No. 1,214,012; Jan. 30; v. 234; p. 1385.
- Cumming, Albert J., assignor of fifty-one one-hundredths to W. G. Jordan, Minneapolis, Minn. Carbureter. No. 1,213,462; Jan. 23; v. 234; p. 1168.
- Cumming, James D., Copper Cliff, Ontario, Canada. Acetylene-lamp. No. 1,225,016; May 8; v. 238; p. 368.
- Cumming, John W., U. S. Navy. Multiple grinding-machine. No. 1,217,417; Feb. 27; v. 235; p. 1159.
- Cummings, Burton E., Ridgefield Park, N. J., assignor to L. Day, New York, N. Y. Loose-leaf binder. No. 1,215,496; Feb. 13; v. 235; p. 388.
- Cummings, Charles W., assignor to C. W. Cummings Company, Oakland, Cal. Fuel-heater. No. 1,251,185; Dec. 25; v. 245; p. 925.
- Cummings, Dennis L., Boston, Mass. Flush-insert for concrete-work. No. 1,244,034; Oct. 23; v. 243; p. 912.
- Cummings, Edwin B., Indianapolis, Ind. Voting-machine. No. 1,216,778; Feb. 20; v. 235; p. 896.
- Cummings, George W., Troy, assignor to Electric Knitting Co., Inc., Cohoes, N. Y. Sinker mechanism for knitting machines. No. 1,232,230; July 3; v. 240; p. 233.
- Cummings, Henry H., Boston, Mass. Revolution-counter. No. 1,217,920; Mar. 6; v. 236; p. 12.

- Cummings, Henry H., Boston, Mass. Automatic distance-indicator for ships. No. 1,247,508; Nov. 20; v. 244; p. 765.
- Cummings, Henry H., Newton, Mass. Revolution-counter. No. 1,223,039; Apr. 17; v. 237; p. 785.
- Cummings, Henry H., Newton Highlands, Mass., assignor of one-half to H. R. Gary, Alexandria, Va. Apparatus for measuring the twist of shafts. No. 1,227,043; May 22; v. 238; p. 1134.
- Cummings, Thomas G., assignor of one-half to P. Grant, Grand Rapids, Mich. Automatic nailing-machine. No. 1,225,817; May 8; v. 238; p. 470.
- Cummings, Thomas G., assignor to Grand Rapids Trunk Company, Grand Rapids, Mich. Shoe-display rack for trunks. No. 1,231,713; July 3; v. 240; p. 60.
- Cummings, William F., Chicago, Ill. Derrick. No. 1,234,637; July 24; v. 240; p. 1118.
- Cummins, James S. (See Ballard, William N., assignor.)
- Cummins, Mark, Jefferson, Ohio. Signal apparatus for vehicles. No. 1,238,004; Aug. 21; v. 241; p. 864.
- Cummins, Norman W., assignor to The Burns & Bassick Company, Bridgeport, Conn. Grease-cup. No. 1,233,648; July 17; v. 240; p. 765.
- Cummins, Norman W., assignor to The Burns & Bassick Company, Bridgeport, Conn. Producing hollow set-screws. No. 1,243,818; Oct. 23; v. 243; p. 847.
- Cunmer, Matthew S., New York, N. Y., and F. W. Geisenhainer, Freehold, N. J., assignors to Nestor Manufacturing Co., Inc., New York, N. Y. Rheostat. No. 1,224,610; May 1; v. 238; p. 176.
- Cumpston, Frederick B., Blooming Grove, Tex. Coupling means for demountable-rim sections. No. 1,241,345; Sept. 25; v. 242; p. 926.
- Cundiff, Benjamin E., Hallowell, Kans. Umbrella. No. 1,218,526; Mar. 6; v. 236; p. 220.
- Cunha, Frank J., Hayward, Cal. Sanitary device for toilet-seats. No. 1,210,767; Jan. 2; v. 234; p. 134.
- Cunliffe, Wilfred, Stamford, assignor to Mianus Manufacturing Company Inc., Greenwich, Conn. Spinning-machine. No. 1,233,988; July 17; v. 240; p. 873.
- Cunneen, James M., assignor of one-half to M. J. Le Strange, Jersey City, N. J. Safety-stop for vehicles. No. 1,237,261; Aug. 14; v. 241; p. 589.
- Cunniff, Edward A., New Bedford, J. V. Cunniff, Fall River, and J. K. Lanning, Boston, Mass.; said Edward A. Cunniff and said J. V. Cunniff assignors to said J. K. Lanning. Welt-replenishing mechanism for looms. No. 1,239,086; Sept. 4; v. 242; p. 117.
- Cunniff, John V. (See Cunniff and Lanning.)
- Cunningham, Charles G., assignor to Elevator Supplies Company, Inc., New York, N. Y. Lubricating device. No. 1,236,681; Aug. 14; v. 241; p. 404.
- Cunningham, Edward E., and H. L. Wilson, St. Albans, V. Va. Automatic automobile-jack. No. 1,212,329; Jan. 16; v. 234; p. 738.
- Cunningham, George T., *et al.* (See Marlin, Isaac U., assignor.)
- Cunningham, George T., Shreveport, La. Acetylene-gas generator. No. 1,232,231; July 3; v. 240; p. 233.
- Cunningham, Jasper, Walnut Springs, Tex. Cotton chopper or blocker. No. 1,243,046; Oct. 16; v. 243; p. 577.
- Cunningham, John F., Springfield, Mo. Boiler-furnace. No. 1,216,661; Feb. 20; v. 235; p. 856.
- Cunningham, John F., San Francisco, Cal. Nut-lock. No. 1,226,863; May 22; v. 238; p. 1071.
- Cunningham, Joseph W., Villisca, Iowa. Crank-holding attachment. No. 1,243,593; Oct. 16; v. 243; p. 740.
- Cunningham, Louis T., *et al.* (See Marlin, Isaac U., assignor.)
- Cunningham, Martin B., Uhrichsville, Ohio. Clevis. No. 1,218,527; Mar. 6; v. 236; p. 220.
- Cunningham, Peter J., Battle Mountain, Nev. Truck-blocking device. No. 1,220,322; Mar. 27; v. 236; p. 954.
- Cunningham Piano Company, The. (See Kennedy, Otis M., assignor.)
- Cunningham, Roy N., Cleveland, Ohio. Carbureter. No. 1,234,530; July 24; v. 240; p. 1085.
- Cunningham Springless Shade Company. (See Dawson, Franklin A., assignor.) (Reissue.)
- Cunningham, William E., *et al.* (See Clinton, Michael, assignor.)
- Cunningham, William P. (See Davidson and Cunningham.)
- Cunningham, William R., Toledo, Ohio. Automatic stop means for awning-rolls. No. 1,240,179; Sept. 18; v. 242; p. 527.
- Cunnigham, Wintford P. (See Rest and Cunningham.)
- Cuntz, Hermann F., Hartford, Conn. Toy. No. 1,233,320; July 17; v. 240; p. 655.
- Cuntz, John H., Hoboken, N. J. Telephone and telegraph relay or repeater. No. 1,215,348; Feb. 13; v. 235; p. 336.
- Curcio, Rocco, Richfield Springs, N. Y. Fountain polish-dauber. No. 1,218,528; Mar. 6; v. 236; p. 220.
- Curd, Thomas M., assignor of one-tenth to J. D. E. McLeod, Murray, Ky. Chemical brick-molding machine. No. 1,216,722; Nov. 13; v. 244; p. 502.
- Cure, Elam, St. Paul, Minn. Flagman's signaling kit. No. 1,227,587; May 29; v. 238; p. 1342.
- Cureton, Horace A., Los Angeles, Cal. Radiator. No. 1,240,543; Sept. 18; v. 242; p. 643.
- Curl, Myrtle E., Port Orford, Oreg. Apparatus for drawing liquids. No. 1,221,293; Apr. 3; v. 237; p. 103.
- Curl, William B., Louisville, Ky., assignor of one-half to A. T. Shrader, New Albany, Ind. Combined tractor and trailer. No. 1,211,825; Jan. 9; v. 234; p. 531.
- Curland, Henry, assignor to himself and C. H. Keller-mann, Chicago, Ill. Apparatus for cooling soap and the like. No. 1,244,297; Oct. 23; v. 243; p. 991.
- Curlewis, Clive P., Sydney, New South Wales, Australia. Sheet-metal reinforcing member for concrete and plaster. No. 1,245,198; Nov. 6; v. 244; p. 17.
- Curley, Patrick, Goshen, N. Y. Hopple. No. 1,212,023; Jan. 9; v. 234; p. 600.
- Curragh, John M. (See Budlong, Frank M., assignor.)
- Curran, George E., Boston, and A. B. Craig, Somerville, Mass. Adjustable stage-floor. No. 1,220,200; Mar. 27; v. 236; p. 909.
- Curran, John W., Newport, Ky. Oil-circulating journal-box. No. 1,248,820; Dec. 4; v. 245; p. 117.
- Curran, Samuel H., Brooklyn, N. Y., assignor to Royal Baking Powder Company, Jersey City, N. J. Slip-cover can. No. 1,214,899; Feb. 6; v. 235; p. 145.
- Curran, David C., Prospect, Ohio. Shock-compressor. No. 1,223,565; Apr. 24; v. 237; p. 998.
- Currey, Arthur L., Chicago, Ill. Bottle-stopper. No. 1,233,757; July 17; v. 240; p. 798.
- Currie, Duncan G., Manistique, Mich. Baggage-tag holder. No. 1,211,681; Jan. 9; v. 234; p. 479.
- Currier, Andrew E. (See Wyman and Currier.)
- Currier, Charles H., Newark, N. J. Drying apparatus. No. 1,230,282; June 19; v. 239; p. 725.
- Currier, Frank B., Jersey City, N. J. Trenching-plow. No. 1,251,186; Dec. 25; v. 245; p. 925.
- Currier, Harry, assignor of two-thirds to J. A. Hamilton and J. W. Stobie, Madison, Me. Automatic coupling for air-pipes. No. 1,224,611; May 1; v. 238; p. 177.
- Currier, Hiram D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. No. 1,221,030; Apr. 3; v. 237; p. 10.
- Currier, Hiram D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Automatic ringing and secret-service telephone system. No. 1,233,196; July 10; v. 240; p. 580.
- Currier, Hiram D., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Switchboard-lamp. No. 1,244,475; Oct. 30; v. 243; p. 1081.
- Currier, Hiram D., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. No. 1,249,036; Dec. 4; v. 245; p. 176.
- Currier, Hiram D., Chicago, and R. I. Utter, Oak Park, assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Multi-exchange telephone system. No. 1,238,748; Sept. 4; v. 242; p. 9.
- Currier, Hiram D., and L. Ericson, assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Relay. No. 1,239,357; Sept. 4; v. 242; p. 204.
- Currier, Joseph W., assignor of one-half to C. J. Foss, Middletown, Conn. Safety tank-lock. No. 1,238,272; Aug. 28; v. 241; p. 985.
- Currier, Marion L., Cottleville, Mo. Cordless telephone-switchboard. No. 1,243,922; Oct. 23; v. 243; p. 878.
- Currihan, John F., Brooklyn, N. Y. Envelop. No. 1,219,260; Mar. 13; v. 236; p. 514.
- Curry, Alexander D., Hawkinsville, Ga. Railway-spike. No. 1,214,436; Jan. 30; v. 234; p. 1530.
- Curry, Alexander D., Hawkinsville, Ga. Closure for shoes. No. 1,242,774; Oct. 9; v. 243; p. 455.
- Curry, Charles. (See Hovis, Park S., assignor.)
- Curry, Claud D., Brooklyn, N. Y. Automatic power-controller. No. 1,234,295; July 24; v. 240; p. 1008.
- Curry, J. L. M., *et al.* (See Jernigan, Albert S., assignor.)
- Curry, John W., Kane, Pa. Package-tie. No. 1,227,394; May 22; v. 238; p. 1249.
- Curry, Malcolm, Holyoke, Mass., assignor to The American Thread Company, New York, N. Y. Hand-controlled safety-knife. No. 1,222,366; Apr. 10; v. 237; p. 510.
- Curry, Malcolm, Holyoke, Mass., assignor to The American Thread Company, Jersey City, N. J. Balling-machine. No. 1,250,436; Dec. 18; v. 245; p. 654.
- Curry, Malcolm, Holyoke, and A. Cook, Fall River, Mass. Band-tying gage. (Reissue.) No. 1,440,2; Dec. 4; v. 245; p. 252.
- Curry, Muriel L., Miami, Fla. Culinary implement. No. 1,246,242; Nov. 13; v. 244; p. 358.
- Curry, William, Port Morien, Nova Scotia, Canada. Label-holder for railway-cars. No. 1,212,918; Jan. 16; v. 234; p. 942.
- Curtain Supply Company, The. (See Whitmore, Edward E., assignor.)
- Curtenius, Dwight R., assignor to Kalamazoo Stove Company, Kalamazoo, Mich. Supporting-bracket. No. 1,247,938; Nov. 27; v. 244; p. 923.
- Curti, John E., Omaha, Nebr. Lightning-rod structure. No. 1,214,652; Feb. 6; v. 235; p. 60.
- Curtis, Alexander R., Minneapolis, Minn. Automobile trailer-truck and hitch for same. No. 1,213,080; Jan. 16; v. 234; p. 1000.
- Curtis, Arthur P., assignor to The Hunter Arms Co., Fulton, N. Y. Means for holding the fore-ends of firearms in position. No. 1,239,889; Sept. 11; v. 242; p. 403.
- Curtis, Augustus D., assignor to National X-Ray Reflector Company, Chicago, Ill. Lamp-fixture. No. 1,214,514; Feb. 6; v. 235; p. 11.

Alphabetical list of patentees—Continued.

- Curtis, Charles A., Louisville, Ky. Level. No. 1,238,991; Sept. 4; v. 242; p. 88.
- Curtis, Charles G., New York, N. Y. Steam-turbine. No. 1,211,682; Jan. 9; v. 234; p. 480.
- Curtis & Co. Mfg. Co. (See Steedman, George F., assignor.)
- Curtis, Cyrus A., Benton Harbor, Mich. Driving mechanism. No. 1,230,682; June 19; v. 239; p. 857.
- Curtis, Edgar R., Brighton, England. Centrifugal machine. No. 1,248,821; Dec. 4; v. 245; p. 118.
- Curtis, Evelyn E. (See Curtis, Snyder, assignor.)
- Curtis, Frank J., Ben Avon, Pa., assignor to Pittsburgh Machine Tool Company, Braddock, N. J. Machine-tool. No. 1,248,276; Nov. 27; v. 244; p. 1018.
- Curtis, Frederick S., Lakewood, assignor to The W. S. Tyler Company, Cleveland, Ohio. Screening device. No. 1,249,037; Dec. 4; v. 245; p. 177.
- Curtis, George C., Hutchinson, Kans. Onion-set topper and cleaner. No. 1,223,941; Apr. 24; v. 237; p. 1130.
- Curtis, George L., assignor of one-fourth to M. Wheelihan and one-fourth to J. H. McLean, Nevada City, Cal. Fruit-picker. No. 1,210,768; Jan. 2; v. 234; p. 134.
- Curtis, Henry D., Red Bank, N. J. Hat-size-reducing device. No. 1,219,086; Mar. 13; v. 236; p. 454.
- Curtis, Henry E., assignor of one-third to F. P. Schemmel, San Jose, Cal. Carbureter. No. 1,233,557; July 17; v. 240; p. 735.
- Curtis, Henry E., assignor of one-third to F. P. Schemmel, San Jose, Cal. Carbureter. No. 1,244,428; Oct. 23; v. 243; p. 1029.
- Curtis, Henry H. (See Phelps, James C., assignor.)
- Curtis, Henry H., assignor of one-half to J. C. Phelps, Springfield, Mass. Fuse-block. No. 1,242,326; Oct. 9; v. 243; p. 313.
- Curtis, Homer P., Denver, Colo., assignor to Auto Power Generator & Appliance Co. Power-transmission apparatus. No. 1,229,416; June 12; v. 239; p. 401.
- Curtis, Horace K. (See Bristol, Curtis, and Hunter.)
- Curtis, Ira C. (See House, Zachariah E., assignor.)
- Curtis, James C., Cisco, Cal. Rocker attachment. No. 1,210,429; Jan. 2; v. 234; p. 18.
- Curtis, James G. (See Lamb, Ruben G., assignor.)
- Curtis, John D., assignor to Richardson Manufacturing Company, Worcester, Mass. Conveyor for a sand-spreader. No. 1,211,294; Jan. 2; v. 234; p. 316.
- Curtis, John D., assignor to Richardson Manufacturing Company, Worcester, Mass. Manure-spreader. No. 1,250,981; Dec. 25; v. 245; p. 867.
- Curtis, Joseph T., assignor of one-half to H. E. Johnson, Jr., Milford, and one-half to R. S. Minge, Richmond, Va. Gaseous-fuel mixer. No. 1,233,558; July 17; v. 240; p. 735.
- Curtis, Kenneth L., assignor to Albert and J. M. Anderson Manufacturing Company, Boston, Mass. Magnetic apparatus. No. 1,248,034; Nov. 27; v. 244; p. 963.
- Curtis, Morris E., Everett, Mass. Plastic composition and making the same. No. 1,233,264; July 10; v. 240; p. 601.
- Curtis, Myron S., assignor to Potter & Johnston Machine Company, Pawtucket, R. I. Metal-working machine. No. 1,211,551; Jan. 9; v. 234; p. 437.
- Curtis Olive Corporation. (See Argo, Lisle T., assignor.)
- Curtis, Oliver W., Watertown, N. Y. Milling-machine. No. 1,242,775; Oct. 9; v. 243; p. 456.
- Curtis, Snyder, assignor to E. E. Curtis, Trenton, N. J. Apparatus for forming hard-rubber battery-jars. No. 1,242,776; Oct. 9; v. 243; p. 456.
- Curtis, Wallace B., Hamburg, N. Y. Trap. No. 1,227,395; May 22; v. 238; p. 1249.
- Curtis, William H., Portland, Ore. Fluid-actuated means for controlling an engine. No. 1,217,117; Feb. 20; v. 235; p. 1011.
- Curtis, William J. (See Tonnele and Curtis.)
- Curtis, Zenas A., Denver, Colo. Vehicle-shifting mechanism. No. 1,249,598; Dec. 11; v. 245; p. 368.
- Curtiss Aeroplane and Motor Corporation. (See Burgess, William S., assignor.)
- Curtiss Aeroplane & Motor Corporation. (See Curtiss, Glenn H., assignor.)
- Curtiss Aeroplane and Motor Corporation. (See Dalton, Nelson W., assignor.)
- Curtiss Aeroplane and Motor Corporation. (See Kirkham, Charles B., assignor.)
- Curtiss Aeroplane and Motor Corporation. (See Kleckler, Henry, assignor.)
- Curtiss Aeroplane & Motor Corporation. (See Tarbox, John P., assignor.)
- Curtiss Aeroplane & Motor Corporation. (See Tarbox and Kleckler, assignors.)
- Curtiss, Bert, Ypsilanti, and G. F. Curtiss, Plymouth, Mich. Direction-signal and alarm. No. 1,243,266; Oct. 16; v. 243; p. 643.
- Curtiss, Charles H., Detroit, Mich. Device for raising sunken ships. No. 1,239,260; Sept. 4; v. 242; p. 174.
- Curtiss, Dante S., Orillia, Wash. Hand-protector. No. 1,225,588; May 8; v. 238; p. 562.
- Curtiss, Ed E., Spokane, Wash. Keyhole-guard. No. 1,223,477; Apr. 24; v. 237; p. 967.
- Curtiss, George F. (See Curtiss, Bert and G. F.)
- Curtiss, Glenn H., assignor to The Curtiss Motor Company, Hammondsport, N. Y. Landing-gear for aircraft. No. 1,223,315; Apr. 17; v. 237; p. 876.
- Curtiss, Glenn H., assignor to The Curtiss Motor Company, Hammondsport, N. Y. Multiple-control system for prime movers. No. 1,223,316; Apr. 17; v. 237; p. 877.
- Curtiss, Glenn H., assignor to The Curtiss Motor Company, Hammondsport, N. Y. Folding-wing aeroplane. No. 1,223,317; Apr. 17; v. 237; p. 877.
- Curtiss, Glenn H., assignor to The Curtiss Motor Company, Hammondsport, N. Y. Boat-hull. No. 1,223,318; Apr. 17; v. 237; p. 877.
- Curtiss, Glenn H., assignor to The Curtiss Motor Company, Hammondsport, N. Y. Method and system for operating rudders of aircraft. No. 1,228,380; May 29; v. 238; p. 1608.
- Curtiss, Glenn H., assignor to The Curtiss Motor Co., Hammondsport, N. Y. Flying-boat. No. 1,246,011; Nov. 6; v. 244; p. 259.
- Curtiss, Glenn H., assignor to The Curtiss Motor Co., Hammondsport, N. Y. Flying-boat. No. 1,246,012; Nov. 6; v. 244; p. 259.
- Curtiss, Glenn H., assignor to The Curtiss Motor Co., Hammondsport, N. Y. Hydroplane-boat. No. 1,246,014; Nov. 6; v. 244; p. 260.
- Curtiss, Glenn H., Buffalo, N. Y., assignor to Curtiss Aeroplane & Motor Corporation. Flying-boat hull. No. 1,223,319; Apr. 17; v. 237; p. 878.
- Curtiss, Glenn H., Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Propeller. No. 1,223,321; Apr. 17; v. 237; p. 878.
- Curtiss, Glenn H., Buffalo, assignor to The Curtiss Motor Company, Hammondsport, N. Y. Hydro-aero machine. No. 1,223,381; May 29; v. 238; p. 1609.
- Curtiss, Glenn H., Buffalo, assignor to The Curtiss Motor Company, Hammondsport, N. Y. Flying-machine. No. 1,228,382; May 29; v. 238; p. 1609.
- Curtiss, Glenn H., Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Aeroplane. No. 1,246,015; Nov. 6; v. 244; p. 260.
- Curtiss, Glenn H., Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Flying-boat. No. 1,246,016; Nov. 6; v. 244; p. 260.
- Curtiss, Glenn H., Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Boat-type wing-pontoon. No. 1,246,017; Nov. 6; v. 244; p. 261.
- Curtiss, Glenn H., Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Draft system for flying-boats. No. 1,246,018; Nov. 6; v. 244; p. 261.
- Curtiss, Glenn H., Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Flying-boat hull. No. 1,246,019; Nov. 6; v. 244; p. 261.
- Curtiss, Glenn H., Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Landing-gear for aircraft. No. 1,246,020; Nov. 6; v. 244; p. 261.
- Curtiss, Glenn H., and J. P. Tarbox, Buffalo, N. Y., assignors to The Curtiss Motor Co. Multiple-step flying-boat. No. 1,223,320; Apr. 17; v. 237; p. 878.
- Curtiss, Glenn H., and H. Kleckler, assignors to The Curtiss Motor Co., Hammondsport, N. Y. Balancing system for aircraft. No. 1,246,013; Nov. 6; v. 244; p. 259.
- Curtiss Motor Co., The. (See Curtiss, Glenn H., assignor.)
- Curtiss Motor Co., The. (See Curtiss and Kleckler, assignors.)
- Curtiss Motor Co., The. (See Curtiss and Tarbox, assignors.)
- Curtiss Motor Co., The. (See Kleckler, Henry, assignor.)
- Curtiss Motor Co., The. (See Zahn, Albert F., assignor.)
- Curtiss, Nathan A. (See Gall and Curtiss.)
- Curtiss, Richard S., Pasadena, Cal. Humidor. No. 1,237,176; Aug. 14; v. 241; p. 561.
- Curtiss, Theron C., San Francisco, Cal. Oil-burner. No. 1,240,683; Sept. 18; v. 242; p. 685.
- Curtis, Frank E., Omaha, Nebr., assignor to W. E. Hikes, Chicago, Ill. Automatic oil-controller. No. 1,237,621; Aug. 21; v. 241; p. 742.
- Cushing, James H., South Weymouth, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Stitch-separating machine. No. 1,229,237; June 12; v. 239; p. 340.
- Cushing, William H., assignor of one-half to C. E. Gault, Topeka, Kans. Sanitary rat-trap. No. 1,226,641; May 22; v. 238; p. 996.
- Cushman, Robert, Blackwood, England. Safety apparatus for pit-cages. No. 1,235,118; July 31; v. 240; p. 1301.
- Cushman, Joseph J. (See Card and Cushman.)
- Custer, Arthur E., Salt Lake City, Utah. Rifle-box. No. 1,224,281; May 1; v. 238; p. 60.
- Cuthbert, James P., Pittsburg, Kans. Car-replacer. No. 1,246,062; Nov. 13; v. 244; p. 305.
- Cuthbert, Herman G., Newark, N. J. Apparatus for teaching arithmetic. No. 1,218,931; Mar. 13; v. 236; p. 403.
- Cuthbert, John. (See Nielsen, Julian J., assignor.)
- Cuthbert, John, Chicago, Ill. Socket for electric lamps. No. 1,214,900; Feb. 6; v. 235; p. 146.
- Cuthbert, John, Chicago, Ill. Electric fitting. No. 1,220,608; Mar. 27; v. 236; p. 1054.
- Cuthbert, John, Chicago, Ill. Electrical connector. No. 1,227,588; May 29; v. 238; p. 1342.
- Cuthbert, John, Chicago, Ill. Electric terminal. No. 1,233,197; July 10; v. 240; p. 581.
- Cuthbert, John, Chicago, Ill. Wire coiling and binding clamp. No. 1,243,716; Oct. 23; v. 243; p. 812.

- Cuthbertson, Allen, Jr. (See Freeman, Joseph W., assignor.)
- Cuthbertson, Ethel I., Vancouver, British Columbia, Canada. Waterproofing of fabrics. No. 1,242,327; Oct. 9; v. 243; p. 313.
- Cutler, Burwell S., assignor to Cutler Desk Co., Buffalo, N. Y. Telephone-stand. No. 1,239,890; Sept. 11; v. 242; p. 403.
- Cutler, Charles J., Butte, Mont. Storage-locker for motor-vehicles. No. 1,232,232; July 3; v. 240; p. 233.
- Cutler, Charles J., Butte, Mont. Brake. No. 1,239,358; Sept. 4; v. 242; p. 205.
- Cutler Desk Co. (See Cutler, Burwell S., assignor.)
- Cutler, Emma E., administratrix. (See Tétu and Cutler.)
- Cutler, George E., Mount Vernon, N. Y. Spring. No. 1,218,063; Mar. 6; v. 236; p. 61.
- Cutler-Hammer Mfg. Co. (See Baehr, George, assignor.)
- Cutler-Hammer Mfg. Co., The. (See Barnum, Thomas E., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Coulter, Leonard P., assignor.)
- Cutler-Hammer Mfg. Co. (See Cutler, Henry H., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Davis, William R., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Dawson, Horace L., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Denhard, Harry W., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Evans, Clarence T., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Foote, Edward T., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Goldenstein, Maurice M., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Hadaway, Lightfoot, and Amon, assignors.)
- Cutler-Hammer Mfg. Co., The. (See Henderson, Clark T., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Henderson and Harries, assignors.)
- Cutler-Hammer Mfg. Co., The. (See Horton, Albert J., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Johannsmeyer, Frederick, assignor.)
- Cutler-Hammer Mfg. Co., The. (See Klein, Charles J., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Lightfoot, Edwin N., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Mortensen, Niels L., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Packard, Horace N., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Pfister, Louis F., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Reisbach, Gustave R., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Rodman, Thomas H., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Sedgwick, Harry A., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Sessions, Edson O., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Simon, Arthur, assignor.)
- Cutler-Hammer Mfg. Co., The. (See Steinberg, William H., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Tatum, Lewis L., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Townsend and Lent, assignors.)
- Cutler-Hammer Mfg. Co., The. (See Walkup, Samuel T., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Wilson, John C., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Yerger, Charles W., assignor.)
- Cutler-Hammer Mfg. Co., The. (See Zimmer, Paul H., assignor.)
- Cutler, Harriet, Los Angeles, Cal. Nurse's cap. No. 1,223,854; Apr. 24; v. 237; p. 1101.
- Cutler, Henry A., Belfast, Ireland. Scraper arrangement for sewers and the like. No. 1,220,075; Mar. 20; v. 236; p. 829.
- Cutler, Henry H., Milwaukee, Wis. Gas-engine. No. 1,231,500; June 26; v. 239; p. 1169.
- Cutler, Henry H., assignor to Cutler-Hammer Mfg. Co., Milwaukee, Wis. Starting device for multiphase motors. No. 1,231,714; July 3; v. 240; p. 61.
- Cutler Mail Chute Company. (See Linton, John P., assignor.)
- Cutler, William C. (See Russell and Cutler.)
- Cutler, William C., Los Angeles, Cal. Directory. No. 1,214,013; Jan. 30; v. 234; p. 1386.
- Cutler, William C., North Glendale, Cal. Underreamer. No. 1,225,701; May 8; v. 238; p. 599.
- Cutler, William C., North Glendale, Cal. Pocket card-case. No. 1,234,296; July 24; v. 240; p. 1008.
- Cutler, William C., North Glendale, Cal. Pencil-sharpener. No. 1,236,823; Aug. 14; v. 241; p. 451.
- Cutler, William C., North Glendale, Cal. Underreamer. No. 1,239,087; Sept. 4; v. 242; p. 117.
- Cutler, William C., North Glendale, Cal. Vanity-case. No. 1,239,164; Sept. 4; v. 242; p. 142.
- Cutler, William C., North Glendale, Cal. Card-receptacle. No. 1,248,822; Dec. 4; v. 245; p. 118.
- Cutler, William C., North Glendale, Cal. Pocket-case for calling-cards. No. 1,248,823; Dec. 4; v. 245; p. 118.
- Cutler, Willie E. (See Tétu and Cutler.)
- Cutter, James H., assignor of one-half to C. C. Schneider, St. Louis, Mo. Cloth-laying machine. No. 1,246,558; Nov. 13; v. 244; p. 454.
- Cutting, William S., Onaway, Mich. Railway-spike. No. 1,225,589; May 8; v. 238; p. 562.
- Cutting, William S., assignor of one-half to T. J. Farero, Tower, Mich. Bullet. No. 1,244,298; Oct. 23; v. 243; p. 991.
- Cuttle, David A., Seattle, Wash. Speed and distance recording device. No. 1,234,880; July 31; v. 240; p. 1226.
- Cuttle, Matthew C., Atlanta, Ga. Internal cylinder for hosiery-dyeing machines. No. 1,246,723; Nov. 13; v. 244; p. 502.
- Cyclone Fence Company. (See Arthur, Samuel C., assignor.)
- Cygon, Leon, Meadville, Miss. Vehicle-wheel. No. 1,211,096; Jan. 2; v. 234; p. 247.
- Cyphers, Henry T., and F. E. Holmes, Torrance, Cal. Rotary machine. No. 1,226,864; May 22; v. 238; p. 1071.
- Czaja, Antoni, and J. Hareza, Gary, W. Va. Animal-tether. No. 1,233,649; July 17; v. 240; p. 765.
- Czaja, Antoni, and J. Hareza, Gary, W. Va. Cuspidor-cleaner. No. 1,233,650; July 17; v. 240; p. 766.
- Czajka, John, Chicago, Ill. Machine for forming sheet material. No. 1,240,791; Sept. 18; v. 242; p. 719.
- Czárán, Otto, Glendale, N. Y. Harvester. No. 1,215,916; Feb. 13; v. 235; p. 540.
- Czezel, Emil, Chicago, Ill. Mouse-trap. No. 1,231,501; June 26; v. 239; p. 1169.
- Czeskleba, Victor. (See Pillsbury, Albert H., assignor.)
- D. B. Banks Company. (See Banks, Daniel B., assignor.)
- D. C. Hughes & Co. (See Hughes, Davydd C., assignor.)
- D. & F. Kusel Company. (See Cairns and Kusel, assignors.)
- D. H. Burrell & Company. (See Dalzell, Charles B., assignor.)
- D. M. Goodwillie Co. (See Goodwillie, Walter S., assignor.)
- D. M. Sechler Implement & Carriage Co. (See Englund, Ernst E., assignor.)
- D. M. Sechler Implement & Carriage Co. (See Garst, Stephen H., assignor.)
- D & W Fuse Company. (See Downes and Patton, assignors.)
- D & W Fuse Company. (See Mayer, Walter S., assignor.)
- D & W Fuse Company. (See Patton, Ralph C., assignor.)
- D. & W. Fuse Company. (See Pragst, George G., assignor.)
- D. R. C. Water Heater Company, The. (See Parsons, William C., assignor.)
- D'Agostino, Giuseppe, Utica, N. Y. Runner attachment for motor-vehicles. No. 1,214,437; Jan. 30; v. 234; p. 1531.
- D'Agostino, Nicola, assignor of one-third to A. Bizzarri, and one-third to R. Rauli, Los Angeles, Cal. Drying-room for cereal pastes. No. 1,244,429; Oct. 23; v. 243; p. 1029.
- D'Amato, Raphael, Astoria, N. Y. Honing-machine for safety-razor blades. No. 1,213,339; Jan. 23; v. 234; p. 1124.
- D'Aquin, Richard J., French Settlement, La. System of irrigation. No. 1,229,898; June 12; v. 239; p. 562.
- D'Arcy, Frank P., Kalamazoo, Mich. Upholstering device. No. 1,220,202; Mar. 20; v. 236; p. 910.
- D'Arcy, Frank P., Kalamazoo, Mich. Cushion structure. No. 1,221,976; Apr. 10; v. 237; p. 372.
- D'Artoys, Gustave C., and G. D. Loizon, Ozoir la Ferrière, France. Pedal for cycles and like vehicles. No. 1,230,129; June 19; v. 239; p. 674.
- D'Autremont, Louis P., Duluth, Minn. Puzzle. No. 1,221,149; Apr. 3; v. 237; p. 51.
- D'Entremont, Abraham J., West Pubnico, Nova Scotia, Canada. Propeller. No. 1,210,611; Jan. 2; v. 234; p. 80.
- D'Harlingue, Alfred E., St. Louis, Mo. Unicycle. No. 1,228,100; May 29; v. 238; p. 1518.
- D'Harlingue, Alfred E., St. Louis, Mo. Signaling device for vehicles. No. 1,237,486; Aug. 21; v. 241; p. 698.
- D'huyvetters, August. (See Vandenweghe and D'huyvetters.)
- D'Ignoti, Salvatore, New York, N. Y. Snow-removing apparatus. No. 1,217,575; Feb. 27; v. 235; p. 1216.
- D'Iorio, Vincenzo, New York, N. Y. Barber's hair-clipper. No. 1,233,202; July 10; v. 240; p. 583.
- D'Narvarte, N. C., Juan, Hacienda Laredo, Truxillo, Peru. Feed-water heater for locomotive-boilers. No. 1,223,373; Apr. 24; v. 237; p. 929.
- D'Oench, George A., Brooklyn, N. Y. Toy railway. No. 1,244,182; Oct. 23; v. 243; p. 954.
- D'Olier, Henry, Jr., East Cleveland, Ohio. Shade attachment. No. 1,210,613; Jan. 2; v. 234; p. 81.
- D'Olier, Henry, Jr., Bridgeport, Conn. Reflector-holder. No. 1,228,003; May 29; v. 238; p. 1485.
- D'Olier, Henry, Jr., Bridgeport, Conn. Reflector-holder. No. 1,228,004; May 29; v. 238; p. 1486.
- D'Rohan, William, assignor of seventy-five one-hundredths to I. W. Becker, Denver, Colo. Fireproofing starch. No. 1,248,092; Nov. 27; v. 244; p. 964.

Alphabetical list of patentees—Continued.

- Da Rocha, Verginio J., Bristol, R. I. Clamp. No. 1,245,880; Nov. 6; v. 244; p. 223.
- Dabney, Clifford R., Portland, Ore. Hose-protector. No. 1,249,038; Dec. 4; v. 245; p. 177.
- Dabney, Frank C., Wichita, Kans. Basket. No. 1,226,472; May 15; v. 238; p. 903.
- Dadaut & Sons. (See Luebeck, Fred W., assignor.)
- Dade, William A., and R. E. Morgan, Orlando, Fla. Insulators. No. 1,241,929; Oct. 2; v. 243; p. 148.
- Daemen-Schmid, Heinrich, Uster, Zurich, Switzerland. Calculating-machine. No. 1,219,261; Mar. 13; v. 236; p. 514.
- Daft, Leo, Rutherford, N. J., assignor to Electro-Chemical Rubber and Manufacturing Company. Coupling. No. 1,229,417; June 12; v. 239; p. 401.
- Dagger, Jacob. (See Shilling, Edward C., assignor.)
- Daggett, George W., North Girard, Pa. Piston. No. 1,216,955; Feb. 20; v. 235; p. 955.
- Daggett, Roy A., assignor of one-third to W. L. Worden, Erie, Pa. Lacing device. No. 1,246,724; Nov. 13; v. 244; p. 502.
- Daggett, William F., Chicago, Ill. Loose pulley. No. 1,210,607; Jan. 2; v. 234; p. 78.
- Dahl, Hans, Wilmersdorf, Berlin, Germany. Signal device for speed-indicators. No. 1,239,672; Sept. 11; v. 242; p. 332.
- Dahl, Harry J., Philadelphia, Pa., assignor to Union Special Machine Company, Chicago, Ill. Overseaming-machine. No. 1,227,756; May 29; v. 238; p. 1400.
- Dahl, Harry J., Philadelphia, Pa., assignor to L. N. Littauer, Gloversville, N. Y. Loop-retainer for sewing-machines. No. 1,227,891; May 29; v. 238; p. 1447.
- Dahl, James T., Seattle, Wash. Safety device for submarines. No. 1,238,892; Sept. 4; v. 242; p. 55.
- Dahl, John, Glenwood, assignor of one-half to S. M. Kuhnley, Minneapolis, Minn. Tractor. No. 1,235,014; July 31; v. 240; p. 1270.
- Dahl, Nikolai, Trondhjem, Norway. Freezing fish and other goods in cases or freezing-molds. No. 1,235,661; Aug. 7; v. 241; p. 43.
- Dahl, Ole M., Boston, Mass. Fish-hook. No. 1,249,342; Dec. 11; v. 245; p. 295.
- Dahlberg, Carl A., Chicago, Ill. Window-box. No. 1,213,593; Jan. 23; v. 234; p. 1213.
- Dahlberg, John A., Brooklyn, N. Y. Tension-regulator. No. 1,216,084; Feb. 13; v. 235; p. 602.
- Dahleen, Le Roy E., Yankton, S. D. Power potato-cutter. No. 1,238,893; Sept. 4; v. 242; p. 55.
- Dahlen, Julian L., Borup, Minn. Wagon-body. No. 1,227,757; May 29; v. 238; p. 1401.
- Dahlgren, Charles J., East Orange, N. J. Garment hanger and stretcher. No. 1,212,024; Jan. 9; v. 234; p. 600.
- Dahlgren, Frank G., assignor of one-half to C. H. Reuter, Mobile, Ala. Valve-stem hood for internal-combustion engines. No. 1,230,689; June 19; v. 239; p. 860.
- Dahlin, Albert, Butte, Mont. Snow-plow. No. 1,213,752; Jan. 23; v. 234; p. 1265.
- Dahlin, Carl T., Stockholm, Wis. Legging. No. 1,222,737; Apr. 17; v. 237; p. 682.
- Dahlin, Carl T., Stockholm, Wis. Legging. No. 1,242,150; Oct. 9; v. 243; p. 257.
- Dahlin, John. (See Greising and Dahlin.)
- Dahlman, Charles W., Castlerock, Wash. Wire tie. No. 1,236,059; Aug. 7; v. 241; p. 173.
- Dahlqvist, John A., Nyhem, Huddinge, assignor to Aktiebolaget Salenius Werkstäder, Sundbyberg, Sweden. Coupling device for separator-drums. No. 1,241,713; Oct. 2; v. 243; p. 78.
- Dahlstrand, Josef Y., assignor to Kerr-Turbine Company, Wellsville, N. Y. Turbine diaphragm and nozzle and making the same. No. 1,246,063; Nov. 13; v. 244; p. 305.
- Dahlstrom Metallic Door Company. (See Walther, Albert B., assignor.)
- Dahly, Severina, Minneapolis, Minn. Washing-machine. No. 1,248,085; Nov. 27; v. 244; p. 963.
- Dahn, Willard E., Harlem, Mont. Stone-rake. No. 1,211,552; Jan. 9; v. 234; p. 437.
- Dähne, Gustav, New York, N. Y. Key-identifying device. No. 1,219,706; Mar. 20; v. 236; p. 699.
- Daigh, Charles R. (See Daigh, Walter, assignor.)
- Daigh, Walter, assignor of one-fourth to C. R. Daigh, Parsons, Kans. Implement-frame. No. 1,244,838; Oct. 30; v. 243; p. 1192.
- Dailey, Charles M., Algona, Iowa. Mud-hole attachment for automobiles. No. 1,235,557; Aug. 7; v. 241; p. 9.
- Dailey, Jacob W., Forestville, N. Y. Wire handle for baskets, boxes, and the like. No. 1,223,262; Apr. 17; v. 237; p. 859.
- Daily, Joseph F., assignor to Smith & Davis Manufacturing Company, St. Louis, Mo. Crib. No. 1,219,262; Mar. 13; v. 236; p. 514.
- Dain, Joseph, assignor, by mesne assignments, to Deere & Company, Moline, Ill. Cutting apparatus for harvesters. No. 1,210,910; Jan. 2; v. 234; p. 184.
- Dain, Joseph, assignor to Deere and Company, Moline, Ill. Riding attachment for harrows. No. 1,221,148; Apr. 3; v. 237; p. 51.
- Dain, Joseph, Moline, Ill., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Hay-press. No. 1,213,158; Jan. 23; v. 234; p. 1060.
- Dain, Joseph, Moline, Ill., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Hay-loader. No. 1,237,305; Aug. 21; v. 241; p. 641.
- Dain, Joseph, Moline, Ill., assignor to Dain Manufacturing Company, Ottumwa, Iowa. Side-delivery rake. No. 1,241,096; Sept. 25; v. 242; p. 846.
- Dain, Joseph, Moline, Ill., and J. Macphail, Davenport, Iowa, assignors, by mesne assignments, to Deere & Company, Moline, Ill. Horse-rake. No. 1,225,112; May 8; v. 238; p. 400.
- Dain, Joseph, and H. B. Sperry, assignors to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Hay-press. No. 1,244,035; Oct. 23; v. 243; p. 912.
- Dain Manufacturing Company. (See Dain, Joseph, assignor.)
- Dain Manufacturing Company, The. (See Duffield, Wayne G., assignor.)
- Dain Manufacturing Company of Iowa. (See Dain and Sperry, assignors.)
- Daisy Manufacturing Company. (See Lefever, Charles F., assignor.)
- Dake, Charles W. (See Rice and Dake.)
- Dake, Charles W., assignor to Pyle-National Electric Headlight Company, Chicago, Ill. Electrode. No. 1,212,610; Jan. 16; v. 234; p. 836.
- Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Reversing-shaft for engine valve-gears. No. 1,225,931; May 15; v. 238; p. 719.
- Dake, Charles W., assignor to Pyle-National Electric Headlight Company, Chicago, Ill. Car-section. No. 1,238,709; Aug. 28; v. 241; p. 1123.
- Dake, Charles W., assignor to Pyle-National Electric Headlight Company, Chicago, Ill. Car end. No. 1,239,773; Sept. 11; v. 242; p. 364.
- Dake, Charles W., and J. E. Kilker, assignors to Pyle-National Electric Headlight Company, Chicago, Ill. Turbine. No. 1,217,282; Feb. 27; v. 235; p. 1111.
- Dake, Edward, Medford, Wis. Printing-machine. No. 1,229,896; June 12; v. 239; p. 561.
- Dalager, Sophus A., Glenwood, Minn. Friction-drive automobile attachment. No. 1,211,416; Jan. 9; v. 234; p. 390.
- Dalbey, Joel B., assignor of one-half to J. A. King, Nevada, Iowa. Generator. No. 1,214,139; Jan. 30; v. 234; p. 1428.
- Dalbey, Joel B., assignor of one-half to J. A. King, Nevada, Iowa. Lighting system. No. 1,216,662; Feb. 20; v. 235; p. 856.
- Dalbey, Joel B., assignor of one-half to J. A. King, Nevada, Iowa. Plaiting-machine. No. 1,242,425; Oct. 9; v. 243; p. 344.
- Dale, Charles, et al. (See Tela, David E., assignor.)
- Dale, John H., New York, N. Y., assignor to Dale Lighting Fixture Co., Inc. Electric incandescent lamp. No. 1,231,335; June 26; v. 239; p. 1115.
- Dale, Joseph S., Jr., New York, N. Y. Stabilizer for flying-machines. No. 1,214,901; Feb. 6; v. 235; p. 146.
- Dale Lighting Fixture Co. (See Dale, John H., assignor.)
- Dalén, Gustaf, Lidingö, Stockholm, Sweden. Apparatus for automatically exchanging incandescent bodies. No. 1,210,769; Jan. 2; v. 234; p. 134.
- Dalén, Gustaf, Skäråtra, Lidingö, Stockholm, Sweden. Lighting or heating apparatus. No. 1,213,159; Jan. 23; v. 234; p. 1061.
- Dalén, Gustaf, Stockholm, Sweden. Incandescent-lighting plant. No. 1,213,463; Jan. 23; v. 234; p. 1169.
- Dalén, Gustaf, Lidingö, Stockholm, Sweden. Apparatus for automatically exchanging incandescent bodies in an incandescent-gas-light arrangement. No. 1,251,343; Dec. 25; v. 245; p. 972.
- Dalén, Gustaf, Skäråtra, Lidingö, Stockholm, Sweden, assignor to American Gas-Accumulator Company, Philadelphia, Pa. Regulating device for gas-conduits. No. 1,237,482; Aug. 21; v. 241; p. 697.
- Daley, James E., Port Anson, Ontario, Canada. Silencer and condenser for gasoline-engines. No. 1,228,185; May 29; v. 238; p. 1544.
- Dallas, Constantin, Petrograd, Russia. Wrench. No. 1,237,177; Aug. 14; v. 241; p. 561.
- Dallas, Granvil F., Coryton, Tenn. Cam mechanism. No. 1,216,956; Feb. 20; v. 235; p. 955.
- Dallavalle, Gaetano, Newark, N. J. Mattress. No. 1,243,267; Oct. 16; v. 243; p. 643.
- Dallen, Joseph E., Miltonvale, Kans. Snow-cutter. No. 1,235,445; July 31; v. 240; p. 1397.
- Dallmeyer, Thomas D., Pittsburgh, Pa. Rail-anchor. No. 1,215,780; Feb. 13; v. 235; p. 491.
- Dalton Adding Machine Company, The. (See Dalton, James L., assignor.)
- Dalton Adding Machine Company, The. (See Landsiedel, Harry, assignor.)
- Dalton, Albertus, Farmington, Ill. Water-heating device. No. 1,249,343; Dec. 11; v. 245; p. 296.
- Dalton Arms Corporation. (See Hammond, Grant, assignor.)
- Dalton, Daniel F., assignor of one-third to J. Crompton, Waterbury, Conn. Buckle. No. 1,246,725; Nov. 13; v. 244; p. 502.
- Dalton, Hubert, New York, N. Y. Grinder counter-shaft. No. 1,213,594; Jan. 23; v. 234; p. 1213.
- Dalton, Hubert, New York, N. Y. Counter-shaft. No. 1,230,128; June 19; v. 239; p. 673.
- Dalton, James K., Newtown, and M. Mullen, Chillicothe, Ohio. Dish-washing machine. No. 1,250,098; Dec. 11; v. 245; p. 513.

- Dalton, James L., Poplar Bluff, Mo., assignor, by mesne assignments, to The Dalton Adding Machine Company, Cincinnati, Ohio. Adding-machine. No. 1,225,590; May 8; v. 238; p. 562.
- Dalton, Joseph A., Brooklyn, N. Y. Tapping-chuck. No. 1,219,537; Mar. 20; v. 236; p. 641.
- Dalton, Joseph E., Chicago, Ill. Apparatus for making coffee. No. 1,219,442; Mar. 20; v. 236; p. 607.
- Dalton, Joseph H., St. Paul, Minn. Sand cutting and screening machine. No. 1,227,589; May 29; v. 238; p. 1343.
- Dalton, Lloyd H., Nevada, Mo. Folding garment-hanger. No. 1,241,346; Sept. 25; v. 242; p. 926.
- Dalton, Michael J., Chula Vista, Cal. Signaling device for motor-vehicles. No. 1,213,753; Jan. 23; v. 234; p. 1265.
- Dalton, Nelson W., Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Streamline shock-absorber. No. 1,246,021; Nov. 6; v. 244; p. 262.
- Dalton, Nelson W., Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Aeroplane-motor support. No. 1,246,022; Nov. 6; v. 244; p. 262.
- Dalton, Walter J., *et al.* (See Hoffmann, Michael, assignor.)
- Dalton, Wilfred A., and O. J. Rainville, Pawtucket, R. I. Match-box. No. 1,215,123; Feb. 6; v. 235; p. 223.
- Dalton, William, Schenectady, N. Y. Locomotive driving connection. No. 1,228,751; June 5; v. 239; p. 128.
- Dalton, William H., assignor to William H. Dalton Co., Salem, Mass. Heating unit. No. 1,232,660; July 10; v. 240; p. 405.
- Daly, Daniel F., Milwaukee, Wis. Tie-slip clip. No. 1,244,961; Oct. 30; v. 243; p. 1230.
- Daly, James A., Detroit, Mich. Milling attachment. No. 1,212,330; Jan. 16; v. 234; p. 738.
- Daly, John A., New Rochelle, N. Y. Device for cleaning teeth. No. 1,230,683; June 19; v. 239; p. 858.
- Daly, John M., Chicago, Ill. Mechanism for transporting vehicles in cars. No. 1,243,141; Oct. 16; v. 243; p. 605.
- Daly, John M., Chicago, Ill. Combined grain-door and merchandise-brace. No. 1,247,230; Nov. 20; v. 244; p. 686.
- Daly, John M., Chicago, Ill. Apparatus for storing and transporting vehicles. No. 1,250,982; Dec. 25; v. 245; p. 867.
- Daly, Michael, assignor to American Laundry Machinery Co., Cincinnati, Ohio. Extractor-cover. No. 1,217,418; Feb. 27; v. 235; p. 1159.
- Daly, Thomas E. (See Sickles, Frank W., assignor.)
- Dalzell, Charles B., assignor to D. H. Burrell & Company, Little Falls, N. Y. Milking-machine. No. 1,218,529; Mar. 6; v. 236; p. 220.
- Dam, Chris, and J. E. Markley, Gordon, Nebr. Steel automobile. No. 1,221,694; Apr. 3; v. 237; p. 240.
- Damarin, William J., assignor of one-half to E. H. Rivas, New Orleans, La. Extensible sign-holder. No. 1,229,897; June 12; v. 239; p. 561.
- Damascus Brake Beam Co., The. (See Schaffert, Adolf H., assignor.)
- Damascus Brake Beam Co., The. (See Schroeder, Frederick J., assignor.)
- Damboise, Arthur, Millinocket, Me. Bolt and nut lock. No. 1,216,957; Feb. 20; v. 235; p. 955.
- Dame, George B., Brooklyn, N. Y. Life-preserver. No. 1,220,609; Mar. 27; v. 236; p. 1054.
- Dameron, Adolphus, Washington, D. C. Gasolene-filter. No. 1,227,999; May 29; v. 238; p. 1484.
- Dameron, Edward P., Denver, Colo. Dental and surgical instrument. No. 1,240,820; Sept. 18; v. 242; p. 574.
- Damiani, John, Syracuse, N. Y. Lock. No. 1,219,707; Mar. 20; v. 236; p. 700.
- Damm, Arvid G., Stockholm, Sweden. Apparatus for producing series of signs. No. 1,233,035; July 10; v. 240; p. 527.
- Damm, Hermann, New York, N. Y. Window-screen. No. 1,235,769; Aug. 7; v. 241; p. 78.
- Damman, Harold H., Seattle, Wash. Tractor attachment for vehicles. No. 1,251,344; Dec. 25; v. 245; p. 973.
- Dammann, Henry W., *et al.* (See Sandbo, Anton I., assignor.)
- Dammann, Hermann, *et al.* (See Light, Claus H., assignor.)
- Dammann, William, *et al.* (See Sandbo, Anton I., assignor.)
- Damon, George B., Belvidere, N. J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Method of and apparatus for drying materials. No. 1,222,079; Apr. 10; v. 237; p. 407.
- Damon, William H., Los Angeles, Cal. Non-cumulative wax polish. No. 1,240,544; Sept. 18; v. 242; p. 643.
- Damon, William H., Los Angeles, Cal. Non-cumulative wax polish. No. 1,240,545; Sept. 18; v. 242; p. 643.
- Dampierre, Fernando R. de, Madrid, and J. Gonzalo, Valencia, Spain. Vehicle-wheel. No. 1,222,538; Apr. 10; v. 237; p. 571.
- Dampierre, M. Marie A. H. de. (See Brown, Ernest, assignor.)
- Dan, Edgar W., Platteville, Wis. Chicken-feeder. No. 1,211,097; Jan. 2; v. 234; p. 247.
- Dan Patch Novelty Company, The. (See Kehl, Frank E., assignor.)
- Dana, Chauncey R., San Francisco, Cal. Pipe-vise. No. 1,242,426; Oct. 9; v. 246; p. 344.
- Dana, Edgar W. (See Hackett and Boll, assignors.)
- Dana Mfg. Corporation, The. (See Bluhm, Joseph, assignor.)
- Danat, Wilmer E., Buffalo, assignor to The Rail Joint Company, New York, N. Y. Rail-joint. No. 1,215,003; Feb. 6; v. 235; p. 185.
- Dance, William H., assignor to The Dyar Supply Company, Cambridge, Mass. Drier for sand, gravel, &c. No. 1,230,684; June 19; v. 239; p. 858.
- Dando, Joseph C., Philadelphia, Pa., assignor to The Dando Printing and Publishing Company. Filing-cabinet. No. 1,231,134; June 26; v. 239; p. 1050.
- Dando Printing and Publishing Company, The. (See Dando, Joseph C., assignor.)
- Dandrow, Mary A., Ridgely Park, N. J. Curtain-support. No. 1,232,233; July 3; v. 240; p. 233.
- Danheiser, Theodore. (See Newton, Danheiser and Fecher.)
- Daniel, Albert J., assignor of one-half to I. M. Allison, Boone, Iowa. Tobacco-lift. No. 1,239,359; Sept. 4; v. 242; p. 205.
- Daniel, Alva P., Commerce, Okla. Steam-cup. No. 1,226,473; May 15; v. 238; p. 903.
- Daniel, Charles A., Philadelphia, Pa. Mechanism for curing long-length rubber hose. No. 1,222,604; Apr. 17; v. 237; p. 635.
- Daniel, Charles E., and C. W. Hord, assignors to The American Crayon Company, Sandusky, Ohio. Receptacle for crayons and the like. No. 1,217,283; Feb. 27; v. 235; p. 1111.
- Daniel, Dan. (See Fodrea, William L., assignor.)
- Daniel, James. (See Ducret and Daniel.)
- Daniel, Jasper N., Ennis, Tex., assignor of one-half to G. and G. W. Orvig. Cotton-chopper. No. 1,231,502; June 26; v. 239; p. 1169.
- Daniel, John, Milwaukee, Wis. Safety starting-crank. No. 1,249,344; Dec. 11; v. 245; p. 296.
- Daniel, John T., Columbia, Tenn. Rat-trap. No. 1,222,606; Apr. 17; v. 237; p. 636.
- Daniel, John W., assignor of one-half to W. A. Sutherland, Owensboro, Ky. Change-making machine. No. 1,231,858; July 3; v. 240; p. 108.
- Daniel, Paul, Jamaica, assignor to M. Ely, New York, and C. Fuller, Port Washington, N. Y. Rotary gas-engine. No. 1,221,840; Apr. 10; v. 237; p. 324.
- Daniel, W. C., *et al.* (See James, Bertie R., assignor.)
- Daniel, William A., Charlotte, N. C. Necktie-holder. No. 1,248,086; Nov. 27; v. 244; p. 963.
- Daniel, William F., Bristol, Tenn. Car-wheel bearing. No. 1,218,839; Mar. 13; v. 236; p. 370.
- Daniels, Christopher W., administrator. (See Daniels, John F.)
- Daniels, Fred C. T., Natick, Mass. Iron alloy. No. 1,211,826; Jan. 9; v. 234; p. 531.
- Daniels, George M., Quincy, Mass. Cover-holder for books. No. 1,246,243; Nov. 13; v. 244; p. 358.
- Daniels, Henry F., Shamokin, Pa. Tension device for shuttles. No. 1,219,708; Mar. 20; v. 236; p. 700.
- Daniels, Homer H., and N. Nafus, Oswego, Kans. Oil-dispensing apparatus. No. 1,236,682; Aug. 14; v. 241; p. 404.
- Daniels, James O., Kansas City, Kans. Dry hot-bath system. No. 1,231,001; June 26; v. 239; p. 1004.
- Daniels, James W., Texico, N. Mex. Adjustable automobile-seat. No. 1,211,295; Jan. 2; v. 234; p. 316.
- Daniels, John F., deceased; C. W. Daniels, administrator, assignor of one-half to R. M. Whitman, Providence, R. I. Cast-off device. No. 1,234,531; July 24; v. 240; p. 1085.
- Daniels, Thomas M., Latrobe, Pa. Rail-joint. No. 1,210,430; Jan. 2; v. 234; p. 18.
- Daniels, Thomas M., Chicago, Ill. Metallic fence. No. 1,236,150; Aug. 7; v. 241; p. 199.
- Danielson, Andrew C., Rhinelander, Wis. Overalls. No. 1,242,777; Oct. 9; v. 243; p. 456.
- Danielson, Eugene D., Buffalo, N. Y. Brick-carrier. No. 1,249,723; Dec. 11; v. 245; p. 405.
- Danielson, Oscar A., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Switch-selector. No. 1,214,515; Feb. 6; v. 235; p. 11.
- Danielson, Oscar A., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Selecting mechanism. No. 1,215,917; Feb. 13; v. 235; p. 540.
- Danielsson, August, London, England. Device for drawing parallel lines. No. 1,249,599; Dec. 11; v. 245; p. 368.
- Dankel, William J., Villa Grove, and C. E. Van Pelt, Salem, Ill. Grader or excavating-machine. No. 1,216,779; Feb. 20; v. 235; p. 897.
- Danley, Byron, St. Johns, Mich. Poultry-rack. No. 1,238,273; Aug. 28; v. 241; p. 985.
- Danley, William L., *et al.* (See Shockley, Jiles S., assignor.)
- Danly, Robert C., Chicago, Ill. Magneto. No. 1,214,014; Jan. 30; v. 234; p. 1386.
- Danly, Robert C., Chicago, Ill. Magneto. No. 1,214,015; Jan. 30; v. 234; p. 1386.
- Dann, Ernest G., Chicago, Ill. Leaf-spring. No. 1,221,695; Apr. 3; v. 237; p. 241.
- Dann, Walter M., Wilkesburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Transformer. No. 1,224,149; May 1; v. 238; p. 11.

Alphabetical list of patentees—Continued.

- Dannenfelser, Frederick M., Muskegon, Mich. Demonstrating apparatus. No. 1,210,608; Jan. 2; v. 234; p. 79.
- Danner, D. George. (See McLellan and Danner.)
- Danner, Edward, assignor to The Libbey Glass Company, Toledo, Ohio. Drawing molten material in cylindrical form. No. 1,218,593; Mar. 6; v. 236; p. 245.
- Danner, Edward, assignor to The Libbey Glass Company, Toledo, Ohio. Apparatus for forming molten material in cylindrical form. No. 1,219,769; Mar. 20; v. 236; p. 700.
- Danner, Edward, assignor to The Libbey Glass Company, Toledo, Ohio. Bar and tubing feeding and severing means. No. 1,220,201; Mar. 27; v. 236; p. 909.
- Danz, Jacob, 2d, Los Angeles, Cal. Combined game and shell bag. (Reissue.) No. 14,365; Sept. 25; v. 242; p. 969.
- Danzon Sales Company, The. (See McLaren, William E., assignor.)
- Darby, Benjamin E., Duke, Okla. Counter-bin. No. 1,227,892; May 29; v. 238; p. 1448.
- Darby, Ira L., Pawhuska, Okla. Bank-remittance sheet. No. 1,223,566; Apr. 24; v. 237; p. 999.
- Darby, Isaac L., Greeley, Colo., and G. H. Smith, Columbus, Ohio. Spading-machine. No. 1,224,717; May 1; v. 238; p. 215.
- Darby, Michael A., Bergen, N. Y. Folding wardrobe. No. 1,220,610; Mar. 27; v. 236; p. 1055.
- Darche, Augusta Y., Chicago, Ill. Reminder-clock. No. 1,233,559; July 17; v. 240; p. 735.
- Darden, Arthur, and F. F. Doring, assignors to Kilby Car & Foundry Company, Anniston, Ala. Track-laying machine. No. 1,244,839; Oct. 30; v. 243; p. 1192.
- Darden, Newton J., Memphis, Tenn. Preserving. No. 1,215,254; Feb. 6; v. 235; p. 269.
- Dare, Clifford H. (See Raymond and Dare.)
- Dargo, Joseph, New York, N. Y. Window-screen. No. 1,243,923; Oct. 23; v. 243; p. 879.
- Darker, Alfred H., Blackheath, assignor to J. Stone & Company, Ltd., London, England. Electrical installation for lighting, heating, and ventilating railway-carriages and for similar purposes. (Reissue.) No. 14,274; Mar. 20; v. 236; p. 866.
- Darker, Alfred H., Blackheath, assignor to J. Stone & Company Limited, Deptford, England. Dynamo-electric generator. No. 1,237,306; Aug. 21; v. 241; p. 641.
- Darker, Alfred H., Blackheath, assignor to J. Stone & Company, Limited, Deptford, England. Electric train lighting, ventilating, and heating system and the like. No. 1,242,328; Oct. 9; v. 243; p. 313.
- Darley, John W., Jr., Baltimore, Md., assignor to The Universal Steel Package Co. Metallic barrel. No. 1,240,029; Sept. 11; v. 242; p. 444.
- Darley, John W., Jr., Baltimore, Md., assignor to The Universal Steel Package Co. Metallic barrel. No. 1,240,030; Sept. 11; v. 242; p. 444.
- Darley, Ward, assignor of one-fourth to E. T. Kurrle, Monte Vista, Colo. Farm-gate. No. 1,220,961; Mar. 27; v. 236; p. 1172.
- Darling, Arthur R., assignor to Edwards Instrument Company, Indianapolis, Ind. Tooth-nerve tester. No. 1,242,778; Oct. 9; v. 243; p. 457.
- Darling, Harry R., assignor to Eastman Kodak Company, Rochester, N. Y. Folding camera. No. 1,211,683; Jan. 9; v. 234; p. 480.
- Darling, James Kenova, W. Va. Mold. No. 1,229,899; June 12; v. 239; p. 562.
- Darling, Louis S. (See Fiegel and Darling.)
- Darling, Mark S., Conrad, Mont. Explosion-engine. No. 1,212,914; Jan. 16; v. 234; p. 942.
- Darling, Mark S., Conrad, Mont. Fluid-pressure motor. No. 1,246,559; Nov. 13; v. 244; p. 455.
- Darling, Mark S., Conrad, Mont. Explosive-engine. No. 1,246,560; Nov. 13; v. 244; p. 455.
- Darlington, Frederic W., Chicago, Ill. Self-contained portable fountain. No. 1,228,186; May 29; v. 238; p. 1544.
- Darlington, Philip J., assignor to The Roto Company, Hartford, Conn. Rotary motor. No. 1,225,224; May 8; v. 238; p. 437.
- Darmofalski, Jozef, Middlefield, Conn. Defensive implement. No. 1,244,036; Oct. 23; v. 243; p. 912.
- Darnall, John C., Staunton, Va. Sterilizer. No. 1,217,113; Feb. 20; v. 235; p. 1010.
- Darnall, John P., Minneapolis, Minn. Commode. No. 1,237,483; Aug. 21; v. 241; p. 698.
- Darner, Ralph W., assignor to The Ohio Varnish Company, Cleveland, Ohio. Composition for preventing accumulation of moisture on glass or other smooth surface. No. 1,228,885; June 5; v. 239; p. 174.
- Darrah, Charles A., Ottumwa, Iowa. Can-opener. No. 1,242,329; Oct. 9; v. 243; p. 314.
- Darrah, Harry L., Chatham, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,232,507; July 10; v. 240; p. 357.
- Darrah, William A., and S. Trood, Wilkinsburg, Pa., assignors to Industrial Development Company. Vapor treatment of metals. No. 1,224,339; May 1; v. 238; p. 81.
- Darrent Company, The. (See Warren, Luke F., assignor.)
- Darrin, Marc, Wilkinsburg, assignor to H. Koppers Company, Pittsburgh, Pa. Recovering resins from benzol-plant residues. No. 1,236,917; Aug. 14; v. 241; p. 480.
- Darrin, Mary S., Brooklyn, N. Y. Dish and kettle scraper. No. 1,211,098; Jan. 2; v. 234; p. 248.
- Darrow, Benjamin L. (See Brulatur and Darrow.)
- Darrow, Burgess, assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Mechanical expansion-mold. No. 1,212,457; Jan. 16; v. 234; p. 782.
- Darrow, Henry W., Winamac, Ind., assignor, by mesne assignments, to F. Muser, New York, N. Y. Reversible driving mechanism for clothes-wringers. No. 1,242,659; Oct. 9; v. 243; p. 419.
- Darrow, James B., assignor of one-half to J. Cameron, Hinckley, N. Y. Automatic train-controller. No. 1,211,099; Jan. 2; v. 234; p. 248.
- Darrow, Marius S., et al. (See Forrest, Charles N., assignor.)
- Daschner, John F., Cleveland, Ohio. Automatic table-service apparatus. No. 1,223,943; Apr. 24; v. 237; p. 1130.
- Dash Vision Gauge Corporation. (See Pierce, William R., assignor.)
- Dastoli, Thomas, Utica, N. Y. Trap-door. No. 1,235,446; July 31; v. 240; p. 1397.
- Dath, Charles E., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Car-underframe. No. 1,214,140; Jan. 30; v. 234; p. 1428.
- Dath, Charles E., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging for railway-cars. No. 1,222,080; Apr. 10; v. 237; p. 407.
- Dath, Charles E., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction-gear. No. 1,222,936; Apr. 17; v. 237; p. 748.
- Dath, Charles E., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Hanger for vestibule-diaphragm face-plates. No. 1,250,983; Dec. 25; v. 245; p. 867.
- Dattelbaum, Charles, et al. (See De Mesquita, Jacques L., assignor.)
- Dattelbaum, Henry, et al. (See De Mesquita, Jacques L., assignor.)
- Dauch, Jacob J. (See Kennedy, George A., assignor.)
- Daucher, Eugene, Woodside, N. Y. Automatic fire-extinguisher. No. 1,232,773; July 10; v. 240; p. 443.
- Daudelin, Jean B., Fall River, Mass. Shuttle. No. 1,248,627; Dec. 4; v. 245; p. 59.
- Dauernheim, Philip J., St. Louis, Mo. Limekiln. No. 1,240,950; Sept. 25; v. 242; p. 801.
- Daughenbaugh, Lawrence W., assignor to W. P. Murphy, Chicago, Ill. Fastener for car-doors. No. 1,217,158; Feb. 27; v. 235; p. 1070.
- Daugherty, Charles L., Lyons, Ky. Mail-bag closure. No. 1,228,652; June 5; v. 239; p. 93.
- Daugherty, Daniel P., Worden, Oreg. Door-securer. No. 1,220,499; Mar. 27; v. 236; p. 1016.
- Daugherty, Edward J., Huntsville, Ala. Popcorn-machine. No. 1,248,087; Nov. 27; v. 244; p. 963.
- Daugherty, Watt C., assignor of one-half to P. Ginsberg, Monongahela, Pa. Charging device. No. 1,239,571; Sept. 11; v. 242; p. 301.
- Daughtry, William R., Birmingham, Ala. Ice-shaving device. No. 1,212,915; Jan. 16; v. 234; p. 943.
- Dauley, Isaac S., Oneonta, N. Y. Memorial burial-vault. No. 1,216,085; Feb. 13; v. 235; p. 602.
- Daum, Albert F., Pittsburgh, Pa. Cartridge-fuse. (Reissue.) No. 14,239; Jan. 2; v. 234; p. 345.
- Daum, Albert F., Pittsburgh, Pa. Fuse. No. 1,222,937; Apr. 17; v. 237; p. 749.
- Dauphinais, Henry C., Fargo, N. D. Vehicle-wheel. No. 1,215,124; Feb. 6; v. 235; p. 223.
- Daus, Adolph H., Chicago, Ill. Testing apparatus. No. 1,214,141; Jan. 30; v. 234; p. 1429.
- Daven, Michael P., Dallas, Tex., assignor of one-fourth to A. Traxler, one-fourth to J. J. Owen, one-fourth to J. P. Connor, and one-fourth to F. L. Cornwell, St. Louis, Mo. Machine for cutting and scoring box-blanks. No. 1,235,293; July 31; v. 240; p. 1353.
- Davenport, Frederick. (See Brooks, Augustus F., assignor.)
- Davenport, George W., and L. J. Burkhim, Gainesville, Fla. Automatic piano-player. No. 1,222,738; Apr. 17; v. 237; p. 682.
- Davenport, Herman A., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-pressing mechanism. No. 1,218,064; Mar. 6; v. 236; p. 61.
- Davenport, Herman A., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-support for lasts. No. 1,238,894; Sept. 4; v. 242; p. 56.
- Davenport, Ida, et al. (See Lineback, Alvah G., assignor.)
- Davenport, John C., Norwood, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Winding for dynamo-electric machines. No. 1,244,769; Oct. 30; v. 243; p. 1153.
- Davenport, John R., Eldon, Mo. Rail-joint. No. 1,229,900; June 12; v. 239; p. 563.
- Davenport, Joseph P., Wheaton, Ill. Potato-planter. No. 1,230,465; June 19; v. 239; p. 785.
- Davenport Locomotive Works. (See Backer, Elmer F., assignor.)
- Davenport, Ransom W., assignor to Detroit Stove Works, Detroit, Mich. Cook-stove. No. 1,212,458; Jan. 16; v. 234; p. 782.
- Davenport, Ransom W., assignor to Detroit Stove Works, Detroit, Mich. Illuminated switch and indicator. No. 1,213,845; Jan. 30; v. 234; p. 1328.

- Davenport, Ransom W., assignor to Detroit Stove Works, Detroit, Mich. Combined coal and gas range. No. 1,213,846; Jan. 30; v. 234; p. 1328.
- Davenport, Ransom W., assignor to Detroit Stove Works, Detroit, Mich. Forming electrical heat units. No. 1,119,629; Mar. 20; v. 236; p. 672.
- Davenport, Ransom W., assignor to Detroit Stove Works, Detroit, Mich. Combined gas and coal range. No. 1,235,015; July 31; v. 240; p. 1271.
- Davenport, Ray H., Roselle, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Non-leakable discharge-nozzle. No. 1,244,710; Oct. 30; v. 243; p. 1154.
- Davenport Wagon Company of Illinois. (See Bird, William F., assignor.)
- Daye, Anna, Carthage, Mo. Detachable window-pane for flexible curtains. No. 1,245,573; Nov. 6; v. 244; p. 131.
- Daye, John F., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Fastener-setting machine. No. 1,244,430; Oct. 23; v. 243; p. 1029.
- Daye, Walter F., Somerville, Mass. Game apparatus. No. 1,227,249; May 22; v. 238; p. 1204.
- David, Friedrich, Brooklyn, assignor to Enterprise Electric Novelty Co., New York, N. Y. Flash-light lamp. No. 1,213,754; Jan. 23; v. 234; p. 1265.
- David Lupton's Sons Company. (See Brogden, Joah, assignor.)
- David T. Abercrombie Company. (See Abercrombie, David T., assignor.)
- Davidson, Jacob, New York, N. Y. Electric car-brake. No. 1,238,643; Aug. 28; v. 241; p. 1105.
- Davidovitz, Hyman. (See Schwital and Davidovitz.)
- Davidson, Albert H., and W. C. McKellar, Huntington, W. Va. Electromedical device. No. 1,230,283; June 19; v. 239; p. 726.
- Davidson, Arthur C., assignor to Waugh Draft Gear Company, Chicago, Ill. Stub buffing-gear. No. 1,248,628; Dec. 4; v. 245; p. 59.
- Davidson, Benjamin H., Tampa, assignor of one-half to W. H. Kendricks, Hillsborough county, Fla. Four-wheel drive mechanism. No. 1,251,345; Dec. 25; v. 245; p. 973.
- Davidson, Delbert S., Veedersburg, Ind. Plate-lifting device. No. 1,232,234; July 3; v. 240; p. 234.
- Davidson, Harry O., and W. P. Cunningham, Cleveland, Ohio. Concrete-form. No. 1,249,039; Dec. 4; v. 245; p. 177.
- Davidson, Ira M., assignor of one-third to G. H. Shaw and one-third to N. L. Philp, Los Angeles, Cal. Rotating motor. No. 1,219,377; Mar. 13; v. 236; p. 555.
- Davidson, Isaac, Albert Lea, Minn. Coupling-bolt. No. 1,225,932; May 15; v. 238; p. 719.
- Davidson, James A., Loveland, Colo. Centrifugal speed control for fire-escapes. No. 1,241,930; Oct. 2; v. 243; p. 148.
- Davidson, James F., Marlow, Okla. Motion-picture apparatus. No. 1,221,515; Apr. 3; v. 237; p. 181.
- Davidson, James F., Marlow, Okla. Intermittent-movement mechanism. No. 1,224,079; Apr. 24; v. 237; p. 1176.
- Davidson, James G., Chicago, Ill. Chuck. No. 1,232,508; July 10; v. 240; p. 357.
- Davidson, James G., and R. W. Ford, Vancouver, British Columbia, Canada. Improving the quality and yield of hydrocarbon gases. No. 1,229,042; June 5; v. 239; p. 224.
- Davidson, James L., Alhambra, Cal. Auto-lock. No. 1,217,419; Feb. 27; v. 235; p. 1159.
- Davidson, Jay B., Davis, Cal. Dynamometer. No. 1,228,299; May 29; v. 238; p. 1581.
- Davidson, John, Jr., Montclair, N. J., assignor to American Telephone and Telegraph Company. Testing-circuit for measured-service apparatus. No. 1,245,321; Nov. 6; v. 244; p. 54.
- Davidson, Joseph, East Point, Ga., assignor of one-half to American Machine & Manufacturing Company. Machine for forming oil-cakes. No. 1,250,147; Dec. 18; v. 245; p. 567.
- Davidson, Louis, New York, N. Y. Device for removing snow, storm-water, and sewage. No. 1,224,448; May 1; v. 238; p. 121.
- Davidson, Lyman C., Chicago, Ill. Fastener for box-closures. No. 1,222,367; Apr. 10; v. 237; p. 510.
- Davidson, Lyman C., Chicago, Ill. Humidor. No. 1,237,023; Aug. 14; v. 241; p. 515.
- Davidson, M. E. (See Beers, Bradford E., assignor.)
- Davidson, Margaret, Philadelphia, Pa. Cap. No. 1,234,735; July 31; v. 240; p. 1183.
- Davidson, R. L., *et al.* (See Francis, Hugh, assignor.)
- Davidson, Robert L., Seattle, Wash. Bakery machinery. No. 1,248,629; Dec. 4; v. 245; p. 60.
- Davidson, Roland S., Winnipeg, Manitoba, Canada. Automatic sprinkler. No. 1,228,412; June 5; v. 239; p. 13.
- Davidson Rubber Company. (See Storer, Frederic E., assignor.)
- Davidson, Samuel, Buffalo, N. Y. Making gasoline. No. 1,238,644; Aug. 28; v. 241; p. 1105.
- Davidson, Samuel C., Belfast, Ireland. Ventilation. No. 1,234,736; July 31; v. 240; p. 1183.
- Davidson, Ulysses G., Algona, Iowa. Milking-machine. No. 1,249,345; Dec. 11; v. 245; p. 296.
- Davie, John M., Cleveland, Ohio. Adjustable spacing-collar. No. 1,225,113; May 8; v. 238; p. 400.
- Davies, Albert J., Kenogami, Quebec, Canada. Fourdrinier machine. No. 1,220,611; Mar. 27; v. 236; p. 1055.
- Davies, Albert J., Kenogami, Quebec, Canada. Fourdrinier machine. No. 1,231,717; July 3; v. 240; p. 62.
- Davies, Alfred E. (See Thompson and Davies.)
- Davies, David P., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Drive mechanism for traction-engines. No. 1,217,284; Feb. 27; v. 235; p. 1112.
- Davies, David P., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Internal-combustion engine. No. 1,217,285; Feb. 27; v. 235; p. 1112.
- Davies, David P., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Mixer or carburetor for internal-combustion engines. No. 1,224,612; May 1; v. 238; p. 177.
- Davies, Rees, *et al.* (See Evans, Walter P., assignor.)
- Davies, Thomas, Jerome, Ariz. Hollow-drill steel-punching machine. No. 1,232,235; July 3; v. 240; p. 234.
- Davies, Thomas H. (See Abel and Davies.)
- Davies, Walter P. (See Neiman, Albert O. A., assignor.)
- Davies, William I., Bucknell, England. Box for containing belts of cartridges for use in machine-guns. No. 1,213,755; Jan. 23; v. 234; p. 1266.
- Davino, Alphonso, San Diego, Cal. Cable-controlled carrying apparatus. No. 1,226,314; May 15; v. 238; p. 854.
- Davis, Aaron L. (See Doe, Walter S., assignor.)
- Davis, Agatha L., Clinton, S. C. Electric railway-crossing signal. No. 1,232,774; July 10; v. 240; p. 444.
- Davis, Albert S., executor. (See Hagar, Franklin W.)
- Davis, Alex B., assignor to The Eli Lilly and Company, Indianapolis, Ind. Compound of cinchona alkaloids and 2-phenyl-quinolin-4-carboxylic acid. No. 1,213,464; Jan. 23; v. 234; p. 1169.
- Davis, Alex B., assignor to The Eli Lilly and Company, Indianapolis, Ind. Cresol condensation product. No. 1,213,465; Jan. 23; v. 234; p. 1169.
- Davis, Allan C., and D. L. Primrose, Baltimore, Md. Anti-glare means for headlights. No. 1,217,420; Feb. 27; v. 235; p. 1159.
- Davis, Alva G., Three Springs, Ky. Corn-cutter. No. 1,211,100; Jan. 2; v. 234; p. 248.
- Davis, Anthony E. (See Geiger and Davis.)
- Davis, Anthony E., Philadelphia, Pa. Concrete-insert. No. 1,241,827; Oct. 2; v. 243; p. 115.
- Davis, Anthony E., Philadelphia, Pa. Vault-light. No. 1,245,199; Nov. 6; v. 244; p. 17.
- Davis, Anthony E., assignor of one-half to F. J. Geiger, Philadelphia, Pa. Apparatus for mixing concrete. No. 1,233,198; July 10; v. 240; p. 582.
- Davis, Anthony E., assignor of one-half to F. J. Geiger, Philadelphia, Pa. Vault-light, floor-light, pavement-light, or skylight construction. No. 1,241,825; Oct. 2; v. 243; p. 114.
- Davis, Anthony E., assignor of one-half to F. J. Geiger, Philadelphia, Pa. Pavement and armored joint-strip therefor. No. 1,241,826; Oct. 2; v. 243; p. 114.
- Davis, Anthony E., Philadelphia, Pa., assignor of one-half to F. J. Geiger. Corner-guard for concrete curbing and the like. No. 1,245,689; Nov. 6; v. 244; p. 166.
- Davis, Archibald H., Schenectady, N. Y., assignor to General Electric Company. Protective device for systems of distribution. No. 1,222,536; Apr. 10; v. 237; p. 570.
- Davis, Arthur, Duquesne, Pa. Railway-tie and rail-fastener. No. 1,216,217; Feb. 13; v. 235; p. 649.
- Davis, Arthur, New Westminster, British Columbia, Canada. Belt-measuring device. No. 1,225,223; May 8; v. 238; p. 436.
- Davis, Arthur C., Cristobal, Canal Zone. Rivet-set holder for riveting-hammers. No. 1,211,417; Jan. 9; v. 234; p. 391.
- Davis, Augustine, Jr., Covington, Ky. Combined tank and cabinet. No. 1,248,088; Nov. 27; v. 244; p. 963.
- Davis, Benjamin F., San Francisco, Cal. Loose-leaf binder and holder. No. 1,233,990; July 17; v. 240; p. 874.
- Davis-Bournonville Company. (See Cave, Henry, assignor.)
- Davis, Calvin R., assignor to Emerson-Brantingham Company, Rockford, Ill. Intermittent feeding mechanism for fertilizer-distributors. No. 1,219,087; Mar. 13; v. 236; p. 455.
- Davis, Charles, *et al.* (See Brown, Archie E., assignor.)
- Davis, Charles, Cortland, Ohio. Auto-puller. No. 1,229,901; June 12; v. 239; p. 563.
- Davis, Charles B., Chicago, Ill. Mail-bag catcher. No. 1,250,808; Dec. 18; v. 245; p. 765.
- Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining-machine. No. 1,244,178; Oct. 23; v. 243; p. 953.
- Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining-machine. No. 1,244,179; Oct. 23; v. 243; p. 954.
- Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Chain for mining-machines. No. 1,249,904; Dec. 11; v. 245; p. 459.
- Davis, Charles E., New York, N. Y., assignor to The Dressel Railway Lamp Works. Weatherproof lantern. No. 1,251,346; Dec. 25; v. 245; p. 973.
- Davis, Charles F., assignor, by mesne assignments, to Davis Machine Tool Company, Inc., Rochester, N. Y. Back gear for lathe-heads and the like. No. 1,249,905; Dec. 11; v. 245; p. 460.

Alphabetical list of patentees—Continued.

- Davis, Charles M., and M. J. Loomis, Battle Creek, Mich.; said Loomis assignor to said Davis. Milk-bottle holder. No. 1,226,192; May 15; v. 238; p. 809.
- Davis, Charles W., Edgeworth, Pa. Wattmeter. No. 1,210,609; Jan. 2; v. 234; p. 79.
- Davis, Clara S., Detroit, Mich. Needle and pin cushion attachment for sewing-machines. No. 1,231,503; June 26; v. 239; p. 1170.
- Davis, Claude B., assignor of one-half to S. A. Ellison, Richmond, Va. Collapsible container. No. 1,219,263; Mar. 13; v. 236; p. 515.
- Davis, Cleland, U. S. Navy, assignor to The National Torpedo Company, Portland, Me. Automobile torpedo. No. 1,234,737; July 31; v. 240; p. 1183.
- Davis, Coleman J., Hardinsburg, Ky. Stopper or cork extractor. No. 1,231,859; July 3; v. 240; p. 109.
- Davis, Cortland W., and V. S. Johnson, assignors to The Mantle Lamp Company of America, Chicago, Ill. Wick-tube for hydrocarbon-burners. No. 1,229,043; June 5; v. 239; p. 224.
- Davis, Cy H., Detroit, Mich. Vending-machine. No. 1,218,242; Mar. 6; v. 236; p. 124.
- Davis, David, New York, N. Y. Combined stove and article-support. No. 1,231,545; June 26; v. 239; p. 1183.
- Davis, David C., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Lightning-arrester. No. 1,212,746; Jan. 16; v. 234; p. 886.
- Davis, David C., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Liquid-sealed valve. No. 1,215,497; Feb. 13; v. 235; p. 388.
- Davis, David C., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Keep-alive anode. No. 1,222,537; Apr. 10; v. 237; p. 570.
- Davis, David C., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Arc-suppressing device. No. 1,224,150; May 1; v. 238; p. 12.
- Davis, Delos A., Ames, Iowa. Self-masking film. No. 1,250,099; Dec. 11; v. 245; p. 514.
- Davis, Dewitt, Jefferson City, Mo. Post-hole digger. No. 1,241,931; Oct. 2; v. 243; p. 148.
- Davis, Don M., Houston, Tex., and T. J. Underwood, Kansas City, Mo. Ventilating-fastener. No. 1,225,114; May 8; v. 238; p. 401.
- Davis, Dudley. (See Wesner and Davis.)
- Davis, Edmund I., Anderson, Cal. Concrete-laying machine. No. 1,250,809; Dec. 18; v. 245; p. 766.
- Davis, Edward E., Milwaukee, Wis. Combined package-protector and strap-holder. No. 1,212,190; Jan. 16; v. 234; p. 686.
- Davis, Edward E., assignor to Security Auto Lock Company, Chicago, Ill. Steering-wheel for motor-vehicles. No. 1,246,244; Nov. 13; v. 244; p. 359.
- Davis, Edward L., Schenectady, N. Y. Steam-heating apparatus. No. 1,212,611; Jan. 16; v. 234; p. 837.
- Davis, Edward L., Schenectady, N. Y. Radiator-valve. No. 1,214,281; Jan. 30; v. 234; p. 1478.
- Davis, Edwin C., assignor of one-half to F. J. and W. G. Comerford, Elyria, Ohio. Automatic shut-off valve for gas-burners. No. 1,250,984; Dec. 25; v. 245; p. 867.
- Davis, Elam H., Memphis, Tenn. Demountable-rim device. No. 1,242,330; Oct. 9; v. 243; p. 314.
- Davis, Elmer E., assignor to The Union Engine and Manufacturing Company, Butler, Pa. Pressure-regulator and motor cut-out. No. 1,245,200; Nov. 6; v. 244; p. 18.
- Davis, Emil, *et al.* (See Powell, Forrest M., assignor.)
- Davis, Ernest, Delphos, Kans. Safety-stirrup. No. 1,231,571; July 3; v. 240; p. 10.
- Davis, Ernest L. (See Wachenheimer and Davis.)
- Davis, Forrest E., Whitingham, Vt. Brake and clutch mechanism. No. 1,227,758; May 29; v. 238; p. 1401.
- Davis, Francis G., assignor to H. H. Babcock Company, Watertown, N. Y. Vehicle-body. No. 1,229,589; June 12; v. 239; p. 459.
- Davis, Francis G., assignor to H. H. Babcock Company, Watertown, N. Y. Rear-end door for vehicle-bodies. No. 1,245,881; Nov. 6; v. 244; p. 224.
- Davis, Francis H. (See Jackson and Davis.)
- Davis, Frank, North Adams, Mass. Door-lock. No. 1,239,360; Sept. 4; v. 242; p. 205.
- Davis, Frank, Pawtucket, R. I. Portable rack. No. 1,242,779; Oct. 9; v. 243; p. 457.
- Davis, Frank B., Erie, Pa. Dust-catcher. No. 1,211,101; Jan. 2; v. 234; p. 248.
- Davis, Frank B., Johnstown, Pa. Vacuum casting device for gold-inlay work and the like. No. 1,219,710; Mar. 20; v. 236; p. 700.
- Davis, Frank E., and W. W. Cameron, assignors to La Crosse Plow Company, La Crosse, Wis. Plow. No. 1,232,661; July 10; v. 240; p. 405.
- Davis, Frank H., Eugene, Oreg. Fish-stop. No. 1,215,781; Feb. 13; v. 235; p. 491.
- Davis, Frank M., Milwaukee, Wis. Gas-engine. No. 1,213,340; Jan. 23; v. 234; p. 1125.
- Davis, Frank M., Milwaukee, Wis. Valve mechanism. No. 1,231,572; July 3; v. 240; p. 10.
- Davis, Fred E., assignor to Perfection Vapor Light Co., Freeport, Ill. Vapor-lamp. No. 1,231,715; July 3; v. 240; p. 62.
- Davis, Fred E., Freeport, Ill., assignor to Perfection Vapor Light Co. Lamp. No. 1,231,716; July 3; v. 240; p. 62.
- Davis, Frederick J. (See Krohn and Davis.)
- Davis, George A., Muncie, Ind. Connecting device. No. 1,211,296; Jan. 2; v. 234; p. 317.
- Davis, George E., Vista, Cal. Writing-tablet. No. 1,211,297; Jan. 2; v. 234; p. 317.
- Davis, George H., West Orange, N. J. Spooling-machine for music-rolls. No. 1,230,130; June 19; v. 239; p. 674.
- Davis, George L., Binghamton, N. Y. Gearing for washing-machines. No. 1,236,547; Aug. 14; v. 241; p. 359.
- Davis, George L., Binghamton, N. Y. Agitator for washing-machines. No. 1,240,826; Sept. 25; v. 242; p. 762.
- Davis, George W. (See Furgerson, Davis, and Furgerson.)
- Davis, Harrison H., The Plains, Ohio. Safety-spout for powder-kegs. No. 1,212,025; Jan. 9; v. 234; p. 601.
- Davis, Harry E. (See Boldry, Rufus C., assignor.)
- Davis, Harry L., Greenville, Me. Calk. No. 1,243,819; Oct. 23; v. 243; p. 847.
- Davis, Harry W., Swissvale, assignor of one-half to W. C. Frost, East Pittsburgh, Pa. Section-switch. No. 1,239,464; Sept. 11; v. 242; p. 266.
- Davis, Henderson G., Conshohocken, Pa., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Seam-welding apparatus. No. 1,233,451; July 17; v. 240; p. 700.
- Davis, Henderson G., Conshohocken, Pa., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Welding apparatus. No. 1,233,452; July 17; v. 240; p. 700.
- Davis, Henderson G., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Holding means for metal-working machines. No. 1,233,453; July 17; v. 240; p. 700.
- Davis, Henry A., Kalamazoo, Mich. Liquid-fuel burner. No. 1,223,478; Apr. 24; v. 237; p. 967.
- Davis, Hopeton A., Chicago, Ill. Sock-supporter. No. 1,216,288; Feb. 20; v. 235; p. 725.
- Davis, Howard C., Cambridge, Ohio. Tire-chain. No. 1,219,088; Mar. 13; v. 236; p. 455.
- Davis, Howard C., Elizabeth, N. J., assignor to Row & Davis, Engineers, Inc., New York, N. Y. Feed-water filter and grease-extractor. No. 1,249,724; Dec. 11; v. 245; p. 405.
- Davis, Hugh, Melvin, Mich. Collapsible box. No. 1,231,504; June 26; v. 239; p. 1170.
- Davis, Isaac H., Boston, Mass., assignor, by mesne assignments, of one-half to H. W. Taylor, Berkeley, Cal. Starting device for explosive-motors. No. 1,217,574; Feb. 27; v. 235; p. 1215.
- Davis, Isaac H., Boston, Mass., assignor of one-half to H. H. Westinghouse, New York, N. Y. Safety-brake for motor-vehicles. No. 1,248,630; Dec. 4; v. 245; p. 60.
- Davis, Jacob. (See Magidson, Frank, assignor.)
- Davis, Jacob G. (See Stevens and Davis.)
- Davis, James C., Hinsdale, Ill., assignor to American Steel Foundries, New York, N. Y. Apparatus for handling molten steel. No. 1,223,479; Apr. 24; v. 237; p. 968.
- Davis, Jasper N., Denver, Colo. Clutch device for power-operated driving mechanism. No. 1,247,795; Nov. 27; v. 244; p. 883.
- Davis, Jasper N., Denver, Colo. Subcasing or inner-tire protector for pneumatic tires. No. 1,250,100; Dec. 11; v. 245; p. 514.
- Davis, Jefferson V., Washington, D. C. Railway-ticket. No. 1,246,064; Nov. 13; v. 244; p. 306.
- Davis, John B., assignor to The W. S. Tyler Company, Cleveland, Ohio. Elevator-door-operating device. No. 1,245,882; Nov. 6; v. 244; p. 224.
- Davis, John G., Kentland, Ind. Changeable exhibitor. No. 1,232,236; July 3; v. 240; p. 235.
- Davis, John L., Walnut Springs, Tex. Safety device for elevators. No. 1,225,780; May 15; v. 238; p. 669.
- Davis, John T., Alameda, assignor of fifty-one one-hundredths to L. Levy and J. Rothschild, San Francisco, Cal. Apparatus for fractional distillation. No. 1,218,840; Mar. 13; v. 236; p. 371.
- Davis, John W., and J. W. Keller, Peru, Iowa. Combination stacker-hood. No. 1,220,400; Mar. 27; v. 236; p. 981.
- Davis, Joseph L., deceased, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. (Reissue.) No. 1,4370; Oct. 2; v. 243; p. 206.
- Davis, Joseph L., deceased, Pittsburgh, Pa.; M. S. Davis, administratrix, assignor to Westinghouse Electric & Manufacturing Company. Apparatus for electric railway-vehicles. No. 1,231,573; July 3; v. 240; p. 11.
- Davis, Joseph L., deceased, M. S. Davis, administratrix, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric locomotive. No. 1,241,498; Oct. 2; v. 243; p. 7.
- Davis, Joseph S., Yanceyville, N. C. Log-hauling truck. No. 1,230,131; June 19; v. 239; p. 674.
- Davis, Joseph W., San Francisco, Cal. Direction-indicator for automobiles. No. 1,224,905; May 8; v. 238; p. 330.
- Davis, Lewis W., Seattle, Wash. Friction transmission. No. 1,241,609; Oct. 2; v. 243; p. 46.
- Davis, Linford J., Battle Creek, Mich. Covered receptacle. No. 1,234,638; July 24; v. 240; p. 1118.
- Davis, Loring B., Reno, Nev. Alarm apparatus. No. 1,229,723; June 12; v. 239; p. 503.
- Davis, Louis, Streator, Ill. Frame for moving-picture screens. No. 1,229,044; June 5; v. 239; p. 224.
- Davis Machine Tool Company. (See Davis, Charles F., assignor.)

- Davis, Matthews E., New York, N. Y. Ship-propeller. No. 1,216,549; Feb. 20; v. 235; p. 818.
- Davis, Meyer, assignor to Asbestos Protected Metal Company, Pittsburgh, Pa. Building construction. No. 1,221,150; Apr. 3; v. 237; p. 52.
- Davis, Meyer, assignor to Asbestos Protected Metal Company, Pittsburgh, Pa. Building construction. No. 1,221,151; Apr. 3; v. 237; p. 52.
- Davis, Michael J., Brooklyn, N. Y. Egg-candling device. No. 1,221,294; Apr. 3; v. 237; p. 104.
- Davis, Michael J., Brooklyn, assignor, by mesne assignments, of one-half to M. Micolino, New York, N. Y. Egg-preserved. No. 1,250,567; Dec. 18; v. 245; p. 694.
- Davis, Monroe, Enid, Okla. Suction-feeder. No. 1,245,883; Nov. 6; v. 244; p. 224.
- Davis, Monroe, Enid, Okla. Threshing-machine. No. 1,251,187; Dec. 25; v. 245; p. 926.
- Davis, Monroe, assignor of one-half to G. D. Wilson, Enid, Okla. Threshing-machine. No. 1,226,865; May 22; v. 238; p. 1072.
- Davis, Myra S., administratrix. (See Davis, Joseph L.)
- Davis, Orin C., Manistee, Mich. Door-latch. No. 1,210,911; Jan. 2; v. 234; p. 184.
- Davis, Oscar C., Brockton, Mass. Reinforced rubber sole. No. 1,232,509; July 10; v. 240; p. 358.
- Davis, Oscar C., Brockton, Mass. Pieced outer sole. No. 1,239,361; Sept. 4; v. 242; p. 205.
- Davis, Rae W., West Allis, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Multispeed induction-motor. No. 1,218,747; Mar. 13; v. 236; p. 337.
- Davis, Ray, Lehigh, Iowa. Nut or bolt holding device. No. 1,213,756; Jan. 23; v. 234; p. 1266.
- Davis, Ray, Lehigh, Iowa. Nut or bolt holding device. No. 1,251,347; Dec. 25; v. 245; p. 974.
- Davis, Ray L. and G. C. Moyers, Wheeling, W. Va. Pipe-bending apparatus. No. 1,239,165; Sept. 4; v. 242; p. 143.
- Davis, Robert H., London, England. Breathing-bag. No. 1,213,160; Jan. 23; v. 234; p. 1061.
- Davis, Robert W., East Orange, N. J. Swimming appliance. No. 1,229,088; Sept. 4; v. 242; p. 118.
- Davis, Robert W., Jr., Aspinwall, Pa. Electric heating unit and manufacturing the same. No. 1,211,102; Jan. 2; v. 234; p. 249.
- Davis, Royal S., Newmire, Colo., assignor to Primos Chemical Company, Primos, Pa. Treating vanadium-bearing ores. No. 1,223,567; Apr. 24; v. 237; p. 999.
- Davis, Samuel H., Roanoke, Va. Automobile-signal. No. 1,228,187; May 29; v. 238; p. 1545.
- Davis, Samuel T., Philadelphia, Pa. Plant-setting machine. No. 1,215,125; Feb. 6; v. 235; p. 224.
- Davis, Samuel T., assignor of one-half to J. S. Demetriou, Pittsburgh, Pa. Pneumatic tire. No. 1,248,089; Nov. 27; v. 244; p. 964.
- Davis, Simon. (See Holmes and Davis.)
- Davis, Solomon B., Shawnee, Okla. Adjustable mold for building concrete structures. No. 1,236,824; Aug. 14; v. 241; p. 451.
- Davis, Theron, New York, N. Y. Shutter for moving-picture machines. No. 1,241,828; Oct. 2; v. 243; p. 115.
- Davis, Thomas. (See Eldson, Davis, and Crouse.)
- Davis, Thomas A. (See Johns, Ary V., assignor.)
- Davis, Thomas J., San Francisco, Cal. Can container and server. No. 1,229,902; June 12; v. 239; p. 563.
- Davis, Tom D., et al. (See Ford, John W., assignor.)
- Davis, William A., assignor of one-half to D. L. Newman, Hammond, Ind. Door-hanger. No. 1,223,856; Apr. 24; v. 237; p. 1101.
- Davis, William D., Nashville, Ark. Fire-starter. No. 1,216,780; Feb. 20; v. 235; p. 897.
- Davis, William F., Kansas City, Mo. Paving-mixing machine. No. 1,222,605; Apr. 17; v. 237; p. 635.
- Davis, William G., Granite City, Ill. Means for carburation. No. 1,227,530; May 22; v. 238; p. 1295.
- Davis, William H. (See Phinious, James M., assignor.)
- Davis, William H., Winnetka, Ill. Joint for packing-box boards. No. 1,219,538; Mar. 20; v. 236; p. 641.
- Davis, William J., Redig, S. D. Spring-wheel. No. 1,240,951; Sept. 25; v. 242; p. 802.
- Davis, William J., and L. Johnson, Chicago, Ill.; said Johnson assignor to said Davis. Apparatus for treating milk. No. 1,236,548; Aug. 14; v. 241; p. 360.
- Davis, William P., Salt Lake City, Utah. Belt-fastener. No. 1,229,903; June 12; v. 239; p. 564.
- Davis, William R., Springfield, Ill., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller. No. 1,222,187; Apr. 10; v. 237; p. 446.
- Davis, William W., and W. W. MacDonald, San Francisco, Cal. Grease-cup. No. 1,221,031; Apr. 3; v. 237; p. 10.
- Davis, William Y., E. Norfolk, Va. Pea picker or harvester. No. 1,214,653; Feb. 6; v. 235; p. 60.
- Davison, Alexander E., U. S. Army. Collar-button. No. 1,247,231; Nov. 20; v. 244; p. 687.
- Davison Chemical Company. (See Patten, John, assignor.)
- Davison, Dell C., Bethlehem, Pa. Wrench. No. 1,227,396; May 22; v. 238; p. 1250.
- Davison, George, Stonington, Conn. Driving-belt. No. 1,223,769; Apr. 24; v. 237; p. 1071.
- Davison, George S., assignor to Allen S. Davison Company, Pittsburgh, Pa. Furnace-lining. No. 1,210,431; Jan. 2; v. 234; p. 19.
- Davison, Gregory C., Groton, Conn. Field and siege artillery. No. 1,215,255; Feb. 6; v. 235; p. 270.
- Davison, Gregory C., New London, Conn., assignor to The Electric Boat Company. Water-tube boiler for submarines. No. 1,224,105; Apr. 24; v. 237; p. 1185.
- Davison, Gregory C., New London, Conn., assignor to Electric Boat Company, New York, N. Y. Reversible internal-combustion engine. No. 1,230,132; June 19; v. 239; p. 675.
- Davison, Gregory C., New London, Conn., assignor to Electric Boat Company, New York, N. Y. Fuel-supply system for internal-combustion engines. No. 1,236,060; Aug. 7; v. 241; p. 173.
- Davison, Gregory C., New London, Conn., assignor to Electric Boat Company, New York, N. Y. Mechanical cut-out gear. No. 1,237,024; Aug. 14; v. 241; p. 515.
- Davison, Gregory C., New London, Conn., assignor to Electric Boat Company, New York, N. Y. Mechanical cut-out gear. No. 1,237,025; Aug. 14; v. 241; p. 516.
- Davison, Gregory C., and J. W. Anderson, New London, Conn., assignors to Electric Boat Company, New York, N. Y. Internal-combustion engine. No. 1,214,516; Feb. 6; v. 235; p. 11.
- Davison, Gregory C., and J. W. Anderson, New London, Conn., assignors to Electric Boat Company, New York, N. Y. Double-acting Diesel engine. No. 1,240,827; Sept. 25; v. 242; p. 763.
- Davison, Gregory C., and J. W. Anderson, New London, Conn., assignors to Electric Boat Company, New York, N. Y. Handling-gear for internal-combustion engines. No. 1,247,647; Nov. 27; v. 244; p. 837.
- Davison, John O., Oakland, Miss. Machine for molding concrete blocks. No. 1,241,932; Oct. 2; v. 243; p. 148.
- Davol, George K., San Francisco, Cal. Internal-combustion engine. No. 1,225,702; May 8; v. 238; p. 599.
- Davol, George K., San Francisco, Cal. Fuel-valve for internal-combustion engines. No. 1,225,703; May 8; v. 238; p. 599.
- Davoplane Bed Company. (See Freedman, Hyman and N. M., assignors.)
- Davoust, Elie, New York, N. Y. Pastry-mold. No. 1,219,711; Mar. 20; v. 236; p. 701.
- Daw, Harry, High Wycombe, England. Protector for wrist-watches. No. 1,249,906; Dec. 11; v. 245; p. 460.
- Dawans, Jules. (See Dressel, Dawans, and Eklund.)
- Dawe, George S., Plymouth, England. Rotary gas-engine. No. 1,229,590; June 12; v. 239; p. 459.
- Dawe, Harry E., Perth Amboy, N. J. Washboard-support. No. 1,211,298; Jan. 2; v. 234; p. 317.
- Dawe, Philip H., Westminster, London, England. Sterilization of liquids. No. 1,217,421; Feb. 27; v. 235; p. 1160.
- Dawkins, Bilton, Detroit, Mich. Projectile and gun therefor. No. 1,246,726; Nov. 13; v. 244; p. 503.
- Dawkins, Will E., and A. W. Lipscomb, Breese, Ill. Automatic mine-track switch. No. 1,224,282; May 1; v. 238; p. 60.
- Dawley, Clarence A., Plainfield, N. J. Fluid-meter. No. 1,238,498; Aug. 28; v. 241; p. 1058.
- Dawley, Daniel D., assignor to Payton & Kelley Company, Providence, R. I. Chain-reel. No. 1,225,933; May 15; v. 238; p. 720.
- Dawley, James C. (See Ziehler and Dawley.)
- Dawson, Alfred, Greenhithe, England. Photographic camera. No. 1,214,016; Jan. 30; v. 234; p. 1387.
- Dawson, Arthur T., Westminster, London, and J. Horne, Barrow-in-Furness, assignors to Vickers Limited, Westminster, England. Control system for gun-mountings and other mechanism. No. 1,211,418; Jan. 9; v. 234; p. 391.
- Dawson Binder Company. (See Dawson, James C., assignor.)
- Dawson, Cecil F., New York, N. Y., and L. W. Luellen, Mountain Lakes, N. J. System of mobile armament. No. 1,244,431; Oct. 23; v. 243; p. 1030.
- Dawson, Charles, Tacoma, Wash. Wheat washing, rinsing, and drying machine. No. 1,231,002; June 26; v. 239; p. 1004.
- Dawson, Edward E., Petersburg, Ill. Stock-feeder. No. 1,226,474; May 15; v. 238; p. 904.
- Dawson, Franklin A., Coats, N. C., assignor to Cunningham Springless Shade Company. Window-shade roller. (Reissue.) No. 14,375; Oct. 9; v. 243; p. 496.
- Dawson, Horace L., Evanston, Ill., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Gage. No. 1,219,264; Mar. 13; v. 236; p. 515.
- Dawson, Howard B. (See Trudel and Dawson.)
- Dawson, James C., Webster Groves, assignor to Dawson Binder Company, St. Louis, Mo. Album. No. 1,232,898; July 10; v. 240; p. 485.
- Dawson, James V., Delta, assignor of one-third to J. L. Mitchell, What Cheer, Iowa. Automobile shock-absorber. No. 1,251,348; Dec. 25; v. 245; p. 974.
- Dawson, Joseph W., assignor to Barry-Wehmiller Machinery Company, St. Louis, Mo. Bottle-washing machine. No. 1,212,459; Jan. 16; v. 234; p. 783.
- Dawson, Joseph W., assignor to Barry-Wehmiller Machinery Company, St. Louis, Mo. Bottle-washing apparatus. No. 1,212,747; Jan. 16; v. 234; p. 887.
- Dawson, Mills M., Montgomery, Ala. Cane or crutch attachment. No. 1,215,256; Feb. 6; v. 235; p. 270.
- Dawson, Sarah J., Albany, Mo. Rail-anchoring device. No. 1,229,238; June 12; v. 239; p. 340.

Alphabetical list of patentees—Continued.

- Dawson, Thomas J., Clarksville, Mo. Hog catcher and holder. No. 1,236,549; Aug. 14; v. 241; p. 360.
- Dawson, William A., Boulder, Colo. Plate-drainer and dish-pan. No. 1,236,061; Aug. 7; v. 241; p. 173.
- Dawson, William F., Lynn, Mass., assignor to General Electric Company. Speed-governor. No. 1,213,847; Jan. 30; v. 234; p. 1329.
- Dawson, William F., Lynn, Mass., assignor to General Electric Company. Bucket-fastening means for turbines. No. 1,248,462; Dec. 4; v. 245; p. 10.
- Day, Alfred L. (See Fasnacht, Howard H., assignor.)
- Day, Alfred L., assignor to American Perforator Company, Chicago, Ill. Stop mechanism for punch-presses. No. 1,223,770; Apr. 24; v. 237; p. 1071.
- Day, Albert V. T., New Rochelle, assignor, by mesne assignments, to The Hall Switch & Signal Company, New York, N. Y. Railway signaling system. No. 1,213,161; Jan. 23; v. 234; p. 1061.
- Day, Albert V. T., New Rochelle, N. Y., assignor to The Hall Switch and Signal Company. Traffic-controlling system for railways. No. 1,213,162; Jan. 23; v. 234; p. 1062.
- Day, Charles, assignor to Okmulgee Glass Company, Okmulgee, Okla. Glass-drawing apparatus. No. 1,225,591; May 8; v. 238; p. 563.
- Day, Charles, G. E. Windeler, and P. Grant, Hazel Grove, near Stockport, England, assignors to General Electric Company. Internal-combustion engine. No. 1,221,696; Apr. 3; v. 237; p. 241.
- Day, Charles, G. E. Windeler, and P. Grant, Hazel Grove, near Stockport, England, assignors to General Electric Company. Internal-combustion engine. No. 1,221,697; Apr. 3; v. 237; p. 241.
- Day, Charles, G. E. Windeler, and P. Grant, Hazel Grove, near Stockport, England, assignors to General Electric Company. Internal-combustion engine. (Reissue.) No. 1,43,559; Sept. 18; v. 242; p. 723.
- Day, David T., Washington, D. C. Treating mineral oils for increasing the yield of light-gravity oils. No. 1,221,698; Apr. 3; v. 237; p. 242.
- Day, David T., Washington, D. C., assignor to V. Z. Reed, Denver, Colo. Extraction of hydrocarbon products from shales and coals. No. 1,244,840; Oct. 30; v. 243; p. 1192.
- Day, Edgar K., assignor to Wheeling Corrugating Company, Wheeling, W. Va. Structural member. No. 1,214,017; Jan. 30; v. 234; p. 1387.
- Day, Edgar K., assignor to Wheeling Corrugating Company, Wheeling, W. Va. Metallic mounting for metal plates. No. 1,218,172; Mar. 6; v. 236; p. 99.
- Day, Edgar K., assignor, by mesne assignments, to Whitaker-Glessner Company, Wheeling, W. Va. Structural member. No. 1,229,239; June 12; v. 239; p. 340.
- Day, Edgar K., assignor of one-half to A. Bolton, Wheeling, W. Va. Body-elevating device. No. 1,229,240; June 12; v. 239; p. 341.
- Day, Fred H., Hopewell, Va. Lock for journal-boxes. No. 1,241,347; Sept. 25; v. 242; p. 927.
- Day, George F. (See Warner and Day.)
- Day, George H., Southbridge, Mass. Lens-frame. No. 1,221,794; Apr. 3; v. 237; p. 274.
- Day, George H., assignor to American Optical Company, Southbridge, Mass. Eye-protector. No. 1,216,958; Feb. 20; v. 235; p. 956.
- Day, George H., assignor to American Optical Company, Southbridge, Mass. Eye-protector. No. 1,221,977; Apr. 10; v. 237; p. 373.
- Day, George H., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. No. 1,224,283; May 1; v. 238; p. 60.
- Day, George H., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. No. 1,235,662; Aug. 7; v. 241; p. 43.
- Day, George H., assignor to American Optical Company, Southbridge, Mass. Eye-protector. No. 1,241,714; Oct. 2; v. 243; p. 78.
- Day, George H., assignor to American Optical Company, Southbridge, Mass. Eye-protector. No. 1,241,715; Oct. 2; v. 243; p. 79.
- Day, George H., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. No. 1,241,716; Oct. 2; v. 243; p. 79.
- Day, George H., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. No. 1,241,718; Oct. 2; v. 243; p. 80.
- Day, George H., assignor to American Optical Company, Southbridge, Mass. Eye-protector. No. 1,243,820; Oct. 23; v. 243; p. 848.
- Day, George H., assignor to American Optical Company, Southbridge, Mass. Trial-frame. No. 1,245,884; Nov. 6; v. 244; p. 224.
- Day, George H., assignor to American Optical Company, Southbridge, Mass. Spectacle-bridge. No. 1,249,907; Dec. 11; v. 245; p. 460.
- Day, George H., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. No. 1,249,908; Dec. 11; v. 245; p. 460.
- Day, George H. and Oswald B. Carson, assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. No. 1,241,717; Oct. 2; v. 243; p. 79.
- Day, Herbert W., Wollaston, assignor to Spray Engineering Company, Boston, Mass. Applying coating material. No. 1,239,089; Sept. 4; v. 242; p. 118.
- Day, Herbert W., Wollaston, assignor to Spray Engineering Company, Boston, Mass. Mechanism for applying coating to shells and other articles. No. 1,249,725; Dec. 11; v. 245; p. 406.
- Day, James C., Montpelier, Ohio. Headlight. No. 1,212,748; Jan. 16; v. 234; p. 887.
- Day, Jesse W., Bend, Oreg. Level or plumb. No. 1,251,349; Dec. 25; v. 245; p. 974.
- Day, John M., Seattle, Wash. Device for opening, holding, preserving, and using canned milk and other canned fluids. (Reissue.) No. 14,268; Mar. 13; v. 236; p. 569.
- Day, Leonard. (See Cummings, Burton E., assignor.)
- Day, Leonard, New York, N. Y., assignor to Federal Signal Company. Detector-bar. No. 1,222,368; Apr. 10; v. 237; p. 511.
- Day, Lewis D., assignor of one-half to A. E. Hutchison, Tulsa, Okla. Shampoo-board. No. 1,223,263; Apr. 17; v. 237; p. 859.
- Day, Nellie S., Springfield, Mass. Equipment device. No. 1,214,282; Jan. 30; v. 234; p. 1479.
- Day, Oscar B., Greencastle, Ind. Moving-picture operator's automatic signaling device. No. 1,223,771; Apr. 24; v. 237; p. 1072.
- Day, Richard M., Hudson, S. D. Internal-combustion engine. No. 1,247,378; Nov. 20; v. 244; p. 727.
- Day, Robert L., Huntington, W. Va. Reinforced concrete or plastic slab. No. 1,229,904; June 12; v. 239; p. 564.
- Day, Rodney D., Pittsburgh, Pa. Plate-valve. No. 1,227,759; May 29; v. 238; p. 1401.
- Day, William, Toronto, Ontario, Canada. Parlor ball game. No. 1,235,119; July 31; v. 240; p. 1301.
- Day, William A., Bellingham, Wash. Composition of matter. No. 1,239,465; Sept. 11; v. 242; p. 267.
- Day, William H., Guelph, Ontario, Canada. Pinch-cock. No. 1,250,985; Dec. 25; v. 245; p. 868.
- Day, William P., Cleveland, Ohio. Railway-tie. No. 1,240,952; Sept. 25; v. 242; p. 802.
- Dayeb, Elias G., Utica, N. Y. Paper-holder. No. 1,245,322; Nov. 6; v. 244; p. 54.
- Daymon, George W., Philadelphia, Pa. Sweep-stick coupling. No. 1,241,829; Oct. 2; v. 243; p. 116.
- Dayton Engineering Laboratories Co., The. (See Chryst, William A., assignor.)
- Dayton Engineering Laboratories Co., The. (See Kettering, Charles F., assignor.)
- Dayton Engineering Laboratories Co., The. (See Kettering and Chryst, assignors.)
- Dayton Engineering Laboratories Co., The. (See Kettering and De Maree, assignors.)
- Dayton Engineering Laboratories Co., The. (See Klefer, James H., assignor.)
- Dayton Engineering Laboratories Co., The. (See Phillips, Harvey E., assignor.)
- Dayton Engineering Laboratories Company, The. (See Hunt, John H., assignor.)
- Dayton Engineering Laboratories Company, The. (See Langner, Lawrence, assignor.)
- Dayton, Estey F., deceased; L. P. Dayton, administratrix, New York, N. Y. Reference-index. No. 1,250,568; Dec. 18; v. 245; p. 694.
- Dayton, Frances, Watford, and E. A. Whitfield, Berkhamsted, assignors to The Whitfield Manufacturing Company, Limited, London, England. Shield for the use of soldiers and others. No. 1,214,517; Feb. 6; v. 235; p. 12.
- Dayton, James M., assignor to Standard Company, Torrington, Conn. Igniter for internal-combustion engines. No. 1,249,909; Dec. 11; v. 245; p. 461.
- Dayton Malleable Iron Company, The. (See Osborn, Clarence P., assignor.)
- Dayton Manufacturing Company, The. (See Eckert, Joseph, assignor.)
- Dayton Manufacturing Company, The. (See Kirby, John, Jr., assignor.)
- Dayton Pipe Coupling Company, The. (See Price, William W., assignor.)
- Dayton Steel Foundry Company, The. (See Walther, Jacob, assignor.)
- Daxe, Mayer, New York, N. Y. Spring bed-bottom. No. 1,211,922; Jan. 9; v. 234; p. 566.
- Dazey, Nathan P., St. Louis, Mo. Churn. No. 1,250,810; Dec. 18; v. 245; p. 766.
- De Armond, James T. (See Gladish and De Armond.)
- De Arrigunaga, Manuel, New York, N. Y. Auxiliary steering device. (Reissue.) No. 14,348; Sept. 4; v. 242; p. 230.
- De Avila, Christiano C., and A. M. Remington, assignors to Simonds Manufacturing Company, Fitchburg, Mass. Crosscut-saw-tooth gage. No. 1,222,188; Apr. 10; v. 237; p. 446.
- De Bats, Jean H. L., assignor of one-third to A. G. Zehner, Zelenople, and one-third to T. De Wolf, Pittsburgh, Pa. Treating metals and other materials by heat. No. 1,216,086; Feb. 13; v. 235; p. 603.
- De Baufre, William L., Annapolis, Md. Evaporator. No. 1,213,596; Jan. 23; v. 234; p. 1214.
- De Bavay, Auguste J. F., Kew, Victoria, Australia. Production of metallic zinc. No. 1,233,652; July 17; v. 240; p. 767.
- De Bold, Louis, et al. (See Powers, Charles C., assignor.)
- De Bolt, Esley C., Seattle, Wash. Cartridge-belt. No. 1,234,298; July 24; v. 240; p. 1009.

- De Bos Monteros, Gustavo B., El Paso, Tex. Blast device for shoe-polishing machines. No. 1,239,673; Sept. 11; v. 242; p. 332.
- De Bra, Harvey R., Cameron, Mo. Gear-shifting apparatus. No. 1,212,026; Jan. 9; v. 234; p. 601.
- De Bra, Harvey R., Cameron, Mo. Selector for gear-shifting mechanism. No. 1,247,509; Nov. 20; v. 244; p. 766.
- De Burger, Ernest E., Indianapolis, Ind., assignor of one-half to B. E. White, Cincinnati, Ohio. Filing-case. No. 1,242,101; Oct. 2; v. 243; p. 200.
- De Camp, Charles E., *et al.* (See De Camp, James W., assignor.) (Reissue.)
- De Camp, James W., assignor of one-fourth to C. E. De Camp, Blackwell, Okla., and one-fourth to J. P. Miller, McAllen, Tex. Glass casket. No. 1,211,684; Jan. 9; v. 234; p. 480.
- De Camp, James W., Blackwell, Okla., assignor of one-fourth to J. P. Miller, McAllen, Tex., and one-fourth to C. E. De Camp, Blackwell, Okla. Glass casket. (Reissue.) No. 1,235,77; Sept. 11; v. 242; p. 489.
- De Camp, Lewis E., Kane, Pa. Belt-clamp. No. 1,216,959; Feb. 20; v. 235; p. 956.
- De Camp, Lyman B., Stinson Beach, Cal. Foot-motor. No. 1,233,036; July 10; v. 240; p. 528.
- De Camp and Sloan. (See Benson, Helmer, assignor.)
- De Camp and Sloan. (See Dooley, James H., assignor.)
- De Camp, Witsel R., Roseland, N. Y., assignor to Addometer Corporation, New York, N. Y. Flexible handle-pull for calculators. No. 1,232,008; July 3; v. 240; p. 158.
- De Camp, Witsel R., Roseland, N. Y., assignor to Addometer Corporation, New York, N. Y. Safety-lock for calculator rack and type plates. No. 1,232,009; July 3; v. 240; p. 159.
- De Camp, Witsel R., Roseland, H. Burdick and J. H. Dooley, East Orange, N. J., assignors to Addometer Corporation, New York, N. Y. Totalizing means for calculators. No. 1,232,007; July 3; v. 240; p. 158.
- De Capitani, Antonio, Milan, Italy. Machine for the manufacture of tapes containing parallel electric wires. No. 1,243,142; Oct. 16; v. 243; p. 606.
- De Cesare, Matteo, Passaic, N. J. Vending-machine. No. 1,211,685; Jan. 9; v. 234; p. 481.
- De Cew, Judson A., Montreal, Quebec, Canada. Paper-size and making same. No. 1,223,480; Apr. 24; v. 237; p. 968.
- De Cew, Judson A., Montreal, Quebec, Canada. Barking-machine. No. 1,233,321; July 17; v. 240; p. 655.
- De Cew, Judson A., Montreal, Quebec, Canada. Impregnated press-roll for pulp and paper machines. No. 1,235,961; Aug. 7; v. 241; p. 142.
- De Chime, Paul, Youngstown, Ohio. Supporting-pedestal for cash-registers. No. 1,222,739; Apr. 17; v. 237; p. 682.
- De Ciciliani, Anton, New York, N. Y. Building-block. No. 1,216,550; Feb. 20; v. 235; p. 818.
- De Clairmont, Adolfo, Toledo, Ohio. Attachment for gas-engines. No. 1,231,574; July 3; v. 240; p. 11.
- De Clamecy, Philippe, assignor to The De Nevers Type-writer Co., Boston, Mass. Type-writer platen. No. 1,237,307; Aug. 21; v. 241; p. 641.
- De Corte, Henry, Fairgrove, Mich. Torpedo-guard. No. 1,243,143; Oct. 16; v. 243; p. 606.
- De Corte, Henry, Fairgrove, Mich. Torpedo-guard. No. 1,243,144; Oct. 16; v. 243; p. 606.
- De Does, Peter J., assignor to The Toledo Parlor Furniture Company, Toledo, Ohio. Sofa-bed. No. 1,210,432; Jan. 2; v. 234; p. 19.
- De Does, Peter J., assignor to The Toledo Parlor Furniture Company, Toledo, Ohio. Section-locking means for foldable bed-frames. No. 1,218,748; Mar. 13; v. 236; p. 337.
- De Escobales, Hilario, New York, N. Y. Package. No. 1,238,645; Aug. 28; v. 241; p. 1105.
- De Ferranti, Sebastian Z., Grindleford Bridge, near Sheffield, England. Fluid controlling and metering device. No. 1,249,601; Dec. 11; v. 245; p. 369.
- De Fèvre, George, and J. E. Woodbridge, New York, N. Y., assignors to The A-Z Company. Radiator. No. 1,214,654; Feb. 6; v. 235; p. 61.
- De Field, C. S. (See Perry, Edgar M., assignor.)
- De Florez, Luis, Short Hills, N. J. Negative-film roll for photographic cameras. No. 1,249,602; Dec. 11; v. 245; p. 369.
- De Fonblanque, Arthur F., *et al.* (See Druitt and Gilpin, assignors.)
- De Forest, Lee, Palo Alto, Cal., assignor to Federal Telegraph Company. Wireless telegraphy. No. 1,214,283; Jan. 30; v. 234; p. 1479.
- De Forest, Lee, San Francisco, Cal., assignor to Radio Telephone & Telegraph Company, New York, N. Y. Wireless-telegraph signaling system. No. 1,221,033; Apr. 3; v. 237; p. 11.
- De Forest, Lee, assignor to De Forest Radio Telephone and Telegraph Company, New York, N. Y. Oscillating-current generator. No. 1,221,034; Apr. 3; v. 237; p. 11.
- De Forest, Lee, assignor to De Forest Radio Telephone and Telegraph Company, New York, N. Y. Apparatus for use in wire or radio communications. No. 1,221,035; Apr. 3; v. 237; p. 11.
- De Forest, Lee, assignor to De Forest Radio Telephone and Telegraph Company, New York, N. Y. Metallic audion. No. 1,230,874; June 26; v. 239; p. 959.
- De Forest, Louis S., New Haven, Conn. Hitching device. No. 1,210,433; Jan. 2; v. 234; p. 19.
- De Forest Radio Telephone and Telegraph Company. (See De Forest, Lee, assignor.)
- De Forest Radio Telephone and Telegraph Company. (See Logwood, Charles V., assignor.)
- De Frees, Frederick B. (See Harmon, Clarence O., assignor.)
- De Frehm, Charles H., Johnstown, Pa. Sanitary tray. No. 1,226,866; May 22; v. 238; p. 1073.
- De Ganner, Bertrand, St. Louis, Mo. Broiler. No. 1,229,591; June 12; v. 239; p. 460.
- De Giovani, Frank. (See Respi and De Giovani.)
- De Goenaga, Augusto H., Gobleville, Mich. Combined pocket-case and sterilizer for surgical instruments. No. 1,223,675; Apr. 24; v. 237; p. 1039.
- De Goll, Louis, Van Bibber, Md. Cigarette-case. No. 1,245,445; Nov. 6; v. 244; p. 91.
- De Graaf, Gerrit A., Bloomfield, N. J. Polishing diamonds. No. 1,213,164; Jan. 23; v. 234; p. 1062.
- De Graw, Brown F., Springfield, Ohio. Dirigible headlight mechanism. No. 1,229,907; June 12; v. 239; p. 564.
- De Graw, Harold M., New London, Conn., assignor to Electric Boat Company. Diving-rudder gear for submarine boats. No. 1,250,987; Dec. 25; v. 245; p. 868.
- De Grey, Gerald, Philadelphia, Pa. Safety connection for gas-fittings. No. 1,236,151; Aug. 7; v. 241; p. 199.
- De Groat, Harry D., Cortland, N. Y. Educational appliance. No. 1,240,031; Sept. 11; v. 242; p. 445.
- De Groot, Adri, New York, assignor to E. H. Warnecke, Brooklyn, N. Y. Easel. No. 1,242,151; Oct. 9; v. 243; p. 258.
- De Jarnette, James M. (See Berry, Elza P., assignor.)
- De Jersey, Claude, *et al.* (See Underwood, Charles W., assignor.)
- De Kaiser, Isaac, Wilkinsburg, Pa. Golf-tee. No. 1,248,826; Dec. 4; v. 245; p. 119.
- De Khotinsky, Achilles, assignor to Central Scientific Company, Chicago, Ill. Liquid-level regulator. No. 1,225,416; May 8; v. 238; p. 504.
- De Khotinsky, Achilles, assignor to Central Scientific Company, Chicago, Ill. Thermoregulator. No. 1,227,760; May 29; v. 238; p. 1402.
- De Khotinsky, Achilles, assignor to Central Scientific Company, Chicago, Ill. Precision temperature apparatus. No. 1,239,572; Sept. 11; v. 242; p. 301.
- De Kines, William O. (See Williams and De Kines.)
- De La Mare, William J., Des Moines, Iowa. Airship. No. 1,221,841; Apr. 10; v. 237; p. 325.
- De la Mota, Francisco E., San Pedro de Macoris, Dominican Republic. Preserving eggs. No. 1,229,592; June 12; v. 239; p. 460.
- De La Poëze, Yves, St. Fulgent, France. Radiator. No. 1,221,422; Apr. 8; v. 237; p. 147.
- De La Vergne Machine Company. (See Gruetzner, Fritz P., assignor.)
- De Lan, Richie, Philadelphia, Pa. Lid for cooking utensils. No. 1,227,251; May 22; v. 238; p. 1205.
- De Lance, Chandler P., Columbus, Nebr. Adjustable window-ventilator. No. 1,240,953; Sept. 25; v. 242; p. 802.
- De Land, Sarah L. (See Wells, Chipman J., assignor.)
- De Land, Theodore L., Philadelphia, Pa., assignor to Porter Safety Seal Company, Chicago, Ill. Seal for bags. No. 1,234,640; July 24; v. 240; p. 1119.
- De Lappe, Charles C., and C. H. Smith, Boston, Mass. Garbage-cremator. No. 1,219,631; Mar. 20; v. 236; p. 673.
- De Laski and Thropp Circular Woven Tire Company, The. (See Thropp, Peter D., assignor.)
- De Laval, Carl G., Orange, N. J., assignor to Henry R. Worthington. Check-valve. No. 1,235,558; Aug. 7; v. 241; p. 9.
- De Laval, Carl G., Orange, N. J., assignor to Henry R. Worthington, New York, N. Y. Turbine-meter. No. 1,235,559; Aug. 7; v. 241; p. 9.
- De Laval, George, Orange, N. J., assignor to The T. A. Gillespie Company, New York, N. Y. Lathe. No. 1,240,032; Sept. 11; v. 242; p. 445.
- De Laval, George, Orange, N. J., assignor to T. A. Gillespie Company, New York, N. Y. Drill. No. 1,240,153; Sept. 11; v. 242; p. 482.
- De Laval Separator Company, The. (See Leitch, Meredith, assignor.)
- De Laval Separator Company, The. (See Turner, Mahlon C., assignor.)
- De Laval Steam Turbine Company. (See Hanzlik, Henry J., assignor.)
- De Lavaud, Dimitri S., Buffalo, N. Y. Centrifugal casting-machine. No. 1,240,546; Sept. 18; v. 242; p. 643.
- De Long, Berton H. (See Parker and De Long.)
- De Long, Ellen, Chicago, Ill. Garment-supporter. No. 1,230,685; June 19; v. 239; p. 858.
- De Long, Ellen, Chicago, Ill. Garment-supporter. No. 1,242,780; Oct. 9; v. 243; p. 458.
- De Long, Nelson, Chicago, Ill. Stand. No. 1,235,295; July 31; v. 240; p. 1354.
- De Long Hook and Eye Company, The. (See Galt, William J., Jr., assignor.)
- De Lony, Knud, Bridgeport, assignor to J. Schlott, Greens Farms, Conn. Increasing the efficiency of internal-combustion motors. No. 1,212,917; Jan. 16; v. 234; p. 943.
- De Loof, Thomas, Detroit, Mich. Calendar. No. 1,217,422; Feb. 27; v. 235; p. 1160.
- De Luca, Pirro, Rome, Italy. Pocket life-buoy. No. 1,240,686; Sept. 18; v. 242; p. 686.

Alphabetical list of patentees—Continued.

- De Lucchi, Frank L., Norato, Cal. Currycomb. No. 1,240,124; Sept. 11; v. 242; p. 472.
- De Lukacsevics, Charles, West Nutley, N. J., assignor to A. Gross, New York, N. Y. Valve for internal-combustion engines. No. 1,244,711; Oct. 30; v. 243; p. 1154.
- De Lukacsevics, Charles, assignor to A. Gross, New York, N. Y. Carbureter. No. 1,244,712; Oct. 30; v. 243; p. 1154.
- De Lukacsevics, Charles, assignor, by mesne assignments, to E. Loffler, New York, N. Y. Carbureter. No. 1,248,278; Nov. 27; v. 244; p. 1019.
- De Lukacsevics, Charles, and J. J. Wittal, assignors, by mesne assignments, to E. Loffler, New York, N. Y. Carbureter. No. 1,248,277; Nov. 27; v. 244; p. 1018.
- De Lyle, William H., Albuquerque, N. Mex. Operating device for windmills. No. 1,216,087; Feb. 13; v. 235; p. 603.
- De Marco, Charles, Rochester, N. Y. Printing-frame. No. 1,236,683; Aug. 14; v. 241; p. 404.
- De Marce, Robert S. (See Kottering and De Marce.)
- De Martin, Charles L., assignor to Indiana Lamp Co., Connersville, Ind. Switch connection for electric lamps. No. 1,226,193; May 15; v. 238; p. 809.
- De Martin, Charles L., assignor to Indiana Lamp Company, Connersville, Ind. Spot-light attachment for windshields. No. 1,250,812; Dec. 18; v. 245; p. 766.
- De Martini, Paul, Jamaica, N. Y. Drier for alimentary paste. No. 1,237,874; Aug. 21; v. 241; p. 822.
- De Masters, Ben B., Kansas City, Mo. Hand-tool. No. 1,216,663; Feb. 20; v. 235; p. 557.
- De Mattia, Barthold. (See De Mattia, Peter and B.)
- De Mattia, Peter and B., Clifton, N. J. Pneumatic-tire-building apparatus. No. 1,225,593; May 8; v. 238; p. 563.
- De Mattia, Peter and B., Clifton, N. J. Tire-building core. No. 1,249,040; Dec. 4; v. 245; p. 177.
- De Meeus, Etienne, Beacon Falls, Conn., assignor, by mesne assignments, to The Beacon Falls Rubber Shoe Company, Boston, Mass. Vulcanized rubber and producing the same. No. 1,229,724; June 12; v. 239; p. 503.
- De Meir, Auld W., Providence, R. I. Fastener. No. 1,239,362; Sept. 4; v. 242; p. 206.
- De Meritt, Leonard M., and J. H. Zink, Baltimore, Md. Tank-car. No. 1,237,484; Aug. 21; v. 241; p. 698.
- De Mesquita, Jacques L., assignor of one-half to C. and H. Dattelbaum, J. H. Kiggen, and J. Kinstler, New York, N. Y. Explosive shell. No. 1,234,881; July 31; v. 240; p. 1226.
- De Minico, Frank, assignor to Pollard-Alling Mfg. Company, New York, N. Y. Sheet-feeding mechanism. No. 1,232,662; July 10; v. 240; p. 406.
- De Mond, John A., Richmond, Cal. Expansion-joint for concrete constructions. No. 1,239,573; Sept. 11; v. 242; p. 301.
- De Moos, Charles, assignor to Motion Picture Properties Company, Fort Lee, N. J. Apparatus for cleaning films. No. 1,219,712; Mar. 20; v. 236; p. 701.
- De Nagy, Desiré, assignor of fifteen one-hundredths to A. E. King and fifteen one-hundredths to G. H. Odell, London, England. Manufacture of anilin dyestuffs. No. 1,250,289; Dec. 18; v. 245; p. 609.
- De Neviers Typewriter Co., The. (See De Clamecy, Philippe, assignor.)
- De Noyelles, Judson R., Detroit, Mich. Tracker mechanism for player-pianos. No. 1,215,005; Feb. 6; v. 235; p. 186.
- De Noyelles, Judson R., Binghamton, N. Y. Pneumatic action for player-pianos. No. 1,223,265; Apr. 17; v. 237; p. 859.
- De Noyer, Joseph C., Starkweather, N. D. Repair-clip. No. 1,247,087; Nov. 20; v. 244; p. 645.
- De Pars, William M., Paterson, N. J. Game apparatus. No. 1,249,915; Dec. 11; v. 245; p. 462.
- De Paul, John, and R. Di Falco, Koppel, Pa. Nut-lock. No. 1,229,241; June 12; v. 239; p. 341.
- De Point, John A., and E. C. Van Hee, Sodus, N. Y. Pipe-vice. No. 1,223,568; Apr. 24; v. 237; p. 999.
- De Polo, Robert, Connellsville, Pa. Heater. No. 1,245,885; Nov. 6; v. 244; p. 225.
- De Puy, Revra, Warsaw, Ind. Adjustable splint. No. 1,232,899; July 10; v. 240; p. 485.
- De Reamer, William J. (See Pruyn and De Reamer.)
- De Roo, John C., Cincinnati, Ohio. Mop. No. 1,244,592; Oct. 30; v. 243; p. 1118.
- De Roode, Trimble, New York, N. Y. Combined type-writing and printing machine. No. 1,224,121; Apr. 24; v. 237; p. 1191.
- De Roode, Trimble, New York, N. Y. Mining. No. 1,224,613; May 1; v. 238; p. 178.
- De Roode, Trimble, New York, N. Y. Mining. No. 1,225,784; May 15; v. 238; p. 670.
- De Roode, Trimble, New York, N. Y. Mining apparatus. No. 1,226,065; May 15; v. 238; p. 766.
- De Roode, Trimble, New York, N. Y. Mining apparatus. No. 1,229,418; June 12; v. 239; p. 401.
- De Roode, Trimble, New York, N. Y. Impress-record apparatus. No. 1,241,097; Sept. 25; v. 242; p. 847.
- De Rosa, Antonio, Brooklyn, N. Y. Vehicle-wheel rim. No. 1,244,037; Oct. 23; v. 243; p. 913.
- De Rosa, Humbert J., New York, N. Y. Torpedo-guard. No. 1,244,963; Oct. 30; v. 243; p. 1230.
- De Rusha, Lena. (See Hansen, Hans M., assignor.)
- De Rycke, Adolph R., Kewanee, Ill. Steel rail-tie. No. 1,239,363; Sept. 4; v. 242; p. 206.
- De Salas, Alberto, Mexico, Mexico. Preparing flock cotton for explosives. No. 1,249,726; Dec. 11; v. 245; p. 406.
- De Santis, Alfonso, Monson, Mass. Planting-machine. No. 1,238,393; Aug. 28; v. 241; p. 1024.
- De Saulles, Charles A. H., New York, N. Y. Treating zinc-bearing materials. No. 1,215,006; Feb. 6; v. 235; p. 186.
- De Saulles, Charles A. H., New York, N. Y. Apparatus for treating zinc-bearing material. No. 1,215,007; Feb. 6; v. 235; p. 187.
- De Selms, Omar C., Attica, Ind. Stylus-holder for talking-machines. No. 1,222,607; Apr. 17; v. 237; p. 636.
- De Smidt, Jacobus H., Sheboygan, Wis. Spring-wheel. No. 1,239,891; Sept. 11; v. 242; p. 403.
- De Smidt, John H. (See De Smidt, William A., assignor.)
- De Smidt, William A., Cedar Grove, Wis., assignor of one-half to J. H. De Smidt, Minneapolis, Minn. Collapsible voting-booth. No. 1,226,194; May 15; v. 238; p. 809.
- De Smith, Henry, assignor to M. D. Knowlton Company, Rochester, N. Y. Feeding device for stay-applying machines. No. 1,225,018; May 8; v. 238; p. 368.
- De Spirito, James F., Brooklyn, N. Y. Flushing device. No. 1,228,653; June 5; v. 239; p. 94.
- De Vane, William H., Caesar, Miss. Turpentine-gatherer. No. 1,249,916; Dec. 11; v. 245; p. 463.
- De Vaughn, Harry E., assignor of one-half to W. A. Jones, Morgantown, W. Va. Take-down device. No. 1,237,262; Aug. 14; v. 241; p. 589.
- De Vaux, Frank, assignor of one-third to W. H. Sliger, Stockton, Cal. Nut-lock. No. 1,232,239; July 3; v. 240; p. 235.
- De Vere, Raymond B., Seattle, Wash. Automatic stop mechanism for sound-reproducing machines. No. 1,223,041; Apr. 17; v. 237; p. 785.
- De Vessey, Maria L. C., Washington, D. C. Medicament-container. No. 1,237,244; Aug. 14; v. 241; p. 583.
- De Vilbiss, Allen, Jr., Toledo, Ohio, assignor, by mesne assignments, to Toledo Scale Company, Newark, N. J. Computing-scale. No. 1,223,370; Apr. 24; v. 237; p. 928.
- De Vilbiss, Allen, Jr., Toledo, Ohio, assignor, by mesne assignments, to Toledo Scale Company, Newark, N. J. Scale. No. 1,223,371; Apr. 24; v. 237; p. 929.
- De Vilbiss, John A., assignor to H. L. Boudreau, St. Louis, Mo. Spark-plug. No. 1,246,890; Nov. 20; v. 244; p. 589.
- De Vilbiss Manufacturing Co., The. (See De Vilbiss, Thomas A., assignor.)
- De Vilbiss, Thomas A., assignor to The De Vilbiss Manufacturing Co., Toledo, Ohio. Medicinal vaporizer. No. 1,221,516; Apr. 3; v. 237; p. 181.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Manufacturing Co., Toledo, Ohio. Booth. No. 1,229,046; June 5; v. 239; p. 225.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Manufacturing Company, Toledo, Ohio. Spraying instrument. No. 1,247,088; Nov. 20; v. 244; p. 645.
- De Vine, Daniel, Lost Nation, Iowa. Tire-tool. No. 1,234,141; July 24; v. 240; p. 958.
- De Vingo, Sabino, Mount Vernon, N. Y. Hair-cut bib. No. 1,216,088; Feb. 13; v. 235; p. 603.
- De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Thread-unwinder. No. 1,216,289; Feb. 20; v. 235; p. 725.
- De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Feeding mechanism for sewing-machines. No. 1,223,570; Apr. 24; v. 237; p. 1000.
- De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,226,951; May 22; v. 238; p. 1101.
- De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Mechanical movement. No. 1,231,136; June 26; v. 239; p. 1050.
- De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Plait-folder for sewing-machines. No. 1,236,684; Aug. 14; v. 241; p. 405.
- De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Edge-finishing seam. No. 1,239,674; Sept. 11; v. 242; p. 332.
- De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Ornamental edge-finishing seam. No. 1,239,675; Sept. 11; v. 242; p. 333.
- De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Article-presenting means for sewing-machines. No. 1,239,676; Sept. 11; v. 242; p. 333.
- De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Ruffing mechanism for sewing-machines. No. 1,240,956; Sept. 25; v. 242; p. 803.
- De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Ruffing mechanism for sewing-machines. No. 1,241,719; Oct. 2; v. 243; p. 80.
- De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Looper mechanism for sewing-machines. No. 1,243,145; Oct. 16; v. 243; p. 606.
- De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Sewing-machine feeding mechanism. No. 1,244,479; Oct. 30; v. 243; p. 1083.

- De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Presser-foot mechanism for sewing-machines. No. 1,248,827; Dec. 4; v. 245; p. 119.
- De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Feeding mechanism for sewing-machines. No. 1,250,437; Dec. 18; v. 245; p. 655.
- De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Sewing-machine presser-foot. No. 1,251,352; Dec. 25; v. 245; p. 975.
- De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Fabric-drawing device for sewing-machines. No. 1,251,353; Dec. 25; v. 245; p. 975.
- De Vries, Dirk, Corona, S. D., assignor of one-half to W. Westensfeld, Washington, D. C. Land-marker. No. 1,237,178; Aug. 14; v. 241; p. 561.
- De Vries, Emma O., Chicago, Ill. Sifting attachment for boxes. No. 1,227,121; May 22; v. 238; p. 1161.
- De Vries, Harry, Newark, N. J., and W. A. Donaldson, Brooklyn, N. Y. Apparatus for grinding or polishing precious stones. No. 1,243,491; Oct. 16; v. 243; p. 710.
- De Wendt, William C., Chicago, Ill. Invalid-bed. No. 1,227,399; May 22; v. 238; p. 1251.
- De Whalley, John J. A., Lee, assignor to The Molassine Company Limited, East Greenwich, England. Making fertilizer from peat. No. 1,221,979; Apr. 10; v. 237; p. 373.
- De Wilde, Fred P., Sheboygan, Wis. Cuff-holder. No. 1,226,644; May 22; v. 238; p. 997.
- De Wilde, Fred P., Sheboygan, Wis. Cuff-holder. No. 1,230,133; June 19; v. 239; p. 675.
- De Witt, Frank A. (See Kissinger, Clarence L., assignor.)
- De Witt, Murl, Mount Airy, Iowa. Riding-harrow. No. 1,221,152; Apr. 3; v. 237; p. 53.
- De Witt, Wilbur E., Salt Lake City, Utah. Projecting apparatus. No. 1,229,908; June 12; v. 239; p. 565.
- De Wolf, Charles E. (See Fry, Henry E., assignor.)
- De Wolf, Ernest A., Mansfield, assignor, by mesne assignments, to Universal Winding Company, Boston, Mass. Adjustable supply-holder. No. 1,216,782; Feb. 20; v. 235; p. 898.
- De Wolf, Tensard, *et al.* (See De Bats, Jean H. L., assignor.)
- De Wyrall, Cyril. (See Alfieres, Emanuel J., assignor.)
- De Yarman, Charles A., Garo, Colo. Coupling device. No. 1,230,134; June 19; v. 239; p. 675.
- De Yoe, Jesse L. A., and J. W., Castleton, N. Y. Pneumatic action for player-pianos. No. 1,220,076; Mar. 20; v. 236; p. 829.
- De Yoe, John W. (See De Yoe, Jesse L. A. and J. W.)
- De Zeng, Henry L., Maple Shade, N. J. Lens-measuring device. No. 1,213,243; Mar. 6; v. 236; p. 125.
- De Zeng, Henry L., Maple Shade, N. J. Iris-diaphragm. No. 1,230,568; June 19; v. 239; p. 821.
- Deady, George F., and G. H. Holland, assignors to The Auto Safety Light Company, Dayton, Ohio. Light for vehicles. No. 1,230,080; June 12; v. 239; p. 619.
- Deady, George F., and G. H. Holland, assignors to The Auto Safety Light Company, Dayton, Ohio. Light for vehicles. No. 1,235,663; Aug. 7; v. 241; p. 43.
- Deagan, Jefferson C., Chicago, Ill. Percussion sounding device. No. 1,233,989; July 17; v. 240; p. 874.
- Deagan, Jefferson C., Chicago, Ill. Percussion musical instrument. No. 1,237,873; Aug. 21; v. 241; p. 822.
- Deagan, John C., assignor to J. C. Deagan Musical Bells, Chicago, Ill. Xylophone. No. 1,234,140; July 24; v. 240; p. 957.
- Deakin, Gerald, San Francisco, Cal., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. No. 1,251,350; Dec. 25; v. 245; p. 974.
- Deal, George, Omaha, Nebr. Electric stove. No. 1,213,595; Jan. 23; v. 234; p. 1214.
- Deal, Lincoln S., Kalamazoo, assignor to Comstock Automatic Pump Co., Comstock, Mich. Air and water separator. No. 1,214,902; Feb. 6; v. 235; p. 146.
- Dealham, Samuel, Jr., Baltimore, Md., assignor to Kraus & Co., Incorporated. Vending display-box. No. 1,220,500; Mar. 27; v. 236; p. 1016.
- Dealy, Hubert T., Alfalfa, Oreg. Piston-head for engines. No. 1,240,684; Sept. 18; v. 242; p. 685.
- Dean, Arthur M., assignor to The Templar Motors Corporation, Cleveland, Ohio. Seating for vehicles. No. 1,239,166; Sept. 4; v. 242; p. 143.
- Dean, Charles, New York, N. Y. Window-lock. No. 1,251,188; Dec. 25; v. 245; p. 926.
- Dean, Charles V., Grand Rapids, Mich. Tilting headlight. No. 1,212,191; Jan. 16; v. 234; p. 636.
- Dean, Clark A., assignor, by mesne assignments, to Shurnuff Manufacturing Company, St. Louis, Mo. Automobile-axle construction. No. 1,224,449; May 1; v. 238; p. 121.
- Dean, Clay L. (See Owens, John A., assignor.)
- Dean, Franklin A., and W. H. Little, Alta Vista, Kans. Automatic valve for inflating tires. No. 1,219,925; Mar. 20; v. 236; p. 775.
- Dean, John F. (See Gove, Henry H., assignor.)
- Dean, John H., Birmingham, Ala. Fastening means for butt-joint metal culverts. No. 1,220,203; Mar. 27; v. 236; p. 910.
- Dean, John H., Birmingham, Ala. Butt-joint nestable culvert. No. 1,238,274; Aug. 28; v. 241; p. 986.
- Dean, John H., Grand Rapids, Mich. Cigar-wrapping machine. No. 1,230,067; June 12; v. 239; p. 614.
- Dean, John S., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Current-collecting device. No. 1,244,476; Oct. 30; v. 243; p. 1081.
- Dean, John W. (See Williams and Dean.)
- Dean, John W., Cragford, Ala. Wire-stretcher. No. 1,234,297; July 24; v. 240; p. 1009.
- Dean, Peter P., New York, N. Y. Driving mechanism for valves and other devices. No. 1,245,574; Nov. 6; v. 244; p. 131.
- Dean, Roy M., Chicago, Ill. Heater for motor-vehicles. No. 1,250,986; Dec. 25; v. 245; p. 868.
- Dean, Seward A., Hastings, assignor to S. A. Dean Company, Minneapolis, Minn. Type-writer. No. 1,246,561; Nov. 13; v. 244; p. 455.
- Dean, William H., Sioux City, Iowa. Combination pipe-cutter and coupling-splitter. No. 1,244,299; Oct. 23; v. 243; p. 991.
- Dean, William H., Sioux City, Iowa. Snow-melter for railways. No. 1,244,300; Oct. 23; v. 243; p. 992.
- Dean, William W., Chicago, Ill., assignor, by mesne assignments, to The Garford Manufacturing Company, Blyria, Ohio. Starting device for internal-combustion engines. No. 1,219,630; Mar. 20; v. 236; p. 673.
- Dean, William W., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Sound-amplifier. No. 1,220,501; Mar. 27; v. 236; p. 1016.
- Dean, William W., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone system. No. 1,228,537; June 5; v. 239; p. 56.
- Dean, William W., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone-switch. No. 1,247,796; Nov. 27; v. 244; p. 883.
- Dean, William W., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Electrical signaling-horn. No. 1,233,651; July 17; v. 240; p. 766.
- Dean, William W., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Electrical signaling device. No. 1,243,047; Oct. 16; v. 243; p. 577.
- Dean, William W., Stamford, Conn., assignor to Splitdorf Electrical Company, Newark, N. J. Distributor for ignition systems. No. 1,229,045; June 5; v. 239; p. 225.
- Deanes, Sid A., West Point, Miss. Automobile-hood. No. 1,241,933; Oct. 2; v. 243; p. 149.
- Deanes, Sid A., West Point, Miss. Theft preventing and signaling device. No. 1,241,934; Oct. 2; v. 243; p. 149.
- Dearborn, John F. H. (See Gooch, Bert, assignor.)
- Dearborn, Joseph H., Cleveland, Ohio. Spring-counterbalancing mechanism. No. 1,233,758; July 17; v. 240; p. 798.
- Dearborn, Richard J., Plandome, N. Y., assignor to J. A. Scharwath, Elizabeth, N. J. Making asbestos-cement shingles. No. 1,247,939; Nov. 27; v. 244; p. 923.
- Deardoff, George A., Occoquan, Va. Road-indicator. No. 1,250,811; Dec. 15; v. 245; p. 766.
- Dearing, Joseph W., assignor to Eureka Automatic Gas Valve Mfg. Co., Kansas City, Mo. Gas-shut-off valve. No. 1,224,284; May 1; v. 238; p. 61.
- Dearing, Major E., Salt Lake City, Utah. Water-heater and steam-boiler. No. 1,223,674; Apr. 24; v. 237; p. 1038.
- Deaton, George H., Chicago, Ill. Record-calendar. No. 1,235,016; July 31; v. 240; p. 1271.
- Deaton, William E. (See Elrod, Albert K., assignor.)
- Deats, George W., Fort Worth, Tex. Apparatus for cleaning deep wells. No. 1,235,294; July 31; v. 240; p. 1354.
- Deats, George W., Fort Worth, Tex. Apparatus for cleaning deep wells. No. 1,235,770; Aug. 7; v. 241; p. 78.
- Deats, Oliver G., Austin, Tex. Automobile-signal. No. 1,247,797; Nov. 27; v. 244; p. 884.
- Deaver, James E. (See Kennedy, George W., assignor.)
- Debacher, Robert R., Hoboken, N. J. Perpetual calendar. No. 1,243,269; Oct. 16; v. 243; p. 644.
- Debauge, Henry, Paris, France. Complete removal of rubber from the canvas of worn-out pneumatic tires. No. 1,248,463; Dec. 4; v. 245; p. 10.
- Debbeler, John G., and F. J. Kirsch, Covington, Ky. Grease-cup. No. 1,211,419; Jan. 9; v. 234; p. 391.
- Debelack, Alexander and G. Sheboygan, Wis. Game attachment for pocket-billiard tables. No. 1,215,624; Feb. 13; v. 235; p. 437.
- Debelack, George. (See Debelack, Alexander and G.)
- Debertshausen, Vivian A., Bowling Green, Mo. Screen. No. 1,244,841; Oct. 30; v. 243; p. 1193.
- Debove, Francois, Ville d'Avray, France. Cork. No. 1,234,093; July 17; v. 240; p. 906.
- Debs, Louis H. (See Colin and Debs.)
- Decarie Incinerator Company. (See Stacy, Elmer N., assignor.)
- Decauville, Emile, Paris, France. Press for testing the bases of artillery-shells and the like. No. 1,250,101; Dec. 11; v. 245; p. 514.
- Deck, Thomas L., Cantwell, Mo. Shaft-coupling. No. 1,226,475; May 15; v. 238; p. 904.
- Decker, Alonzo E., Fremont, Ohio. Weather-strip. No. 1,240,685; Sept. 18; v. 242; p. 686.
- Decker, Alonzo G. (See Black and Decker.)
- Decker, Amiel F., Brooklyn, assignor to Tingle, Brown & Company, New York, N. Y. Apron-canvas. No. 1,223,772; Apr. 24; v. 237; p. 1073.

Alphabetical list of patentees—Continued.

- Decker, Edward T., *et al.* (See Mack, John R., assignor.)
 Decker, Ellen W., and M. A. Myers, assignors to Julius Kayser & Co., New York, N. Y. Undergarment. No. 1,229,905; June 12; v. 239; p. 564.
 Decker, Eugene H., Slater, Colo. Doubletree-coupling. No. 1,228,886; June 5; v. 239; p. 174.
 Decker, Frank A., assignor to Lyrachord Company, New York, N. Y. Driving mechanism for musical instruments. No. 1,228,752; June 5; v. 239; p. 129.
 Decker, Frederick W., Brunswick, Ga. Match-box. No. 1,218,530; Mar. 6; v. 236; p. 221.
 Decker, Harry R., Houston, Tex. Tire-protector. No. 1,221,978; Apr. 10; v. 237; p. 373.
 Decker, John F. and F. Raimor, Adams, Mass. Bread-slicer. No. 1,217,717; Feb. 27; v. 235; p. 1265.
 Decker, Spencer M., Malden, assignor of one-fourth to C. L. Ridgway, Boston, Mass. Battery-connector. No. 1,215,004; Feb. 6; v. 235; p. 186.
 Decker, William M., Buffalo, N. Y. Milk-bottle and similar receptacle. No. 1,225,017; May 8; v. 238; p. 368.
 Decker, William M., Buffalo, N. Y. Combined container and educational toy. No. 1,229,906; June 12; v. 239; p. 564.
 Decker, William M., Buffalo, N. Y. Milk-bottle and similar receptacle. No. 1,236,273; Aug. 7; v. 241; p. 239.
 Deckert, Joseph O., assignor to William Mann Company, Philadelphia, Pa. Loose-leaf binder. No. 1,213,757; Jan. 23; v. 234; p. 1066.
 Dederer, Carleton, Los Angeles, Cal. Surgical needle. No. 1,248,825; Dec. 4; v. 245; p. 119.
 Dedichen, Jens. (See Kirchhoff, Dedichen, and Lange.)
 Dedrick, Nicholas, assignor to C. H. Seeger, Manitowoc, Wis. Electric sterilizing-oven. No. 1,213,163; Jan. 23; v. 234; p. 1062.
 Dee, Daniel, assignor to Dee Manufacturing Company, Pocatello, Idaho. Grate-bar. No. 1,220,204; Mar. 27; v. 236; p. 911.
 Dee, David G., Chicago, Ill., assignor, by mesne assignments, to R. H. Rogers, Rochester, N. Y. Local fire-alarm system. No. 1,221,032; Apr. 3; v. 237; p. 10.
 Dee, David G., Chicago, Ill., assignor, by mesne assignments, to R. H. Rogers, Rochester, N. Y. Factory fire-drill system. No. 1,223,481; Apr. 24; v. 237; p. 968.
 Dee, David G., Chicago, Ill., assignor, by mesne assignments, to R. H. Rogers, Rochester, N. Y. Fire-alarm system. No. 1,225,934; May 15; v. 238; p. 720.
 Dee, David G., assignor, by mesne assignments, to R. H. Rogers, Rochester, N. Y. Fire-alarm telephone transmitting mechanism. No. 1,225,935; May 15; v. 238; p. 720.
 Dee, David G., assignor, by mesne assignments, to R. H. Rogers, Rochester, N. Y. Fire-alarm trunk switching mechanism. No. 1,225,936; May 15; v. 238; p. 721.
 Dee, David G., assignor, by mesne assignments, to R. H. Rogers, Rochester, N. Y. Factory-fire-drill system. No. 1,225,937; May 15; v. 238; p. 721.
 Dee, David G., assignor, by mesne assignments, to R. H. Rogers, Rochester, N. Y. Tone-producer for fire-alarm-box mechanisms. No. 1,228,000; May 29; v. 238; p. 1485.
 Dee, David G., assignor, by mesne assignments, to R. H. Rogers, Rochester, N. Y. Fire-alarm system for telephone-exchanges using line-distributors. No. 1,233,037; July 10; v. 240; p. 528.
 Dee Manufacturing Company. (See Dee, Daniel, assignor.)
 Deeley, Thomas E., New York, N. Y. Display-stand. No. 1,233,275; Aug. 28; v. 241; p. 986.
 Deemer, Dewey T., Hopkins, Mich. Diving and excavating apparatus. No. 1,228,300; May 29; v. 238; p. 1582.
 Deems, Edward M., Forest Hills, N. Y., assignor to Duplex Channel Pin Company, Inc. Bonding-pin. No. 1,225,781; May 15; v. 238; p. 669.
 Deere and Company. (See Caldwell and Koppe, assignors.)
 Deere & Company. (See Cary, Francis M., assignor.)
 Deere and Company. (See Dain, Joseph, assignor.)
 Deere & Company. (See Dain and Macphail, assignors.)
 Deere and Company. (See Hartsough, D. Maurice, assignor.)
 Deere and Company. (See Howard, Otis W., assignor.)
 Deere & Company. (See Johnson, Eric, assignor.)
 Deere and Company. (See Livesay, Robert C., assignor.)
 Deere & Company. (See Melvin, Charles H., assignor.)
 Deere & Company. (See Paradise, Louis A., assignor.)
 Deere & Company. (See Paul, Wesley A., assignor.)
 Deere & Company. (See Paul, William L., assignor.)
 Deere & Company. (See Paul and Seaholm, assignors.)
 Deere & Company. (See Selleck, Theodore G., assignor.)
 Deere & Company. (See Sklovsky, Max, assignor.)
 Deere & Company. (See Strandlund, Carl G., assignor.)
 Deere & Company. (See Trimble, John W., assignor.)
 Deere & Mansur Company. (See Anderson, John R., assignor.)
 Deere & Mansur Company. (See Dooley, Delmar D., assignor.)
 Deere & Mansur Company. (See Friberg, Charles P. A., assignor.)
 Deere & Mansur Company. (See White, Charles E., assignor.)
 Dees, William E., Collins, Miss. Baling-press. No. 1,217,921; Mar. 6; v. 236; p. 13.
 Deevers, James E., Keene, Cal. Combined table and desk. No. 1,231,860; July 3; v. 240; p. 109.
 Defiance Button Machine Co. (See Styles, Joseph H., assignor.)
 Defiance Machine Works. (See Ensign and Des Islets, assignors.)
 Defiance Machine Works. (See Ensign and Traub, assignors.)
 Defiance Manufacturing Company. (See Dietz, Paul, assignor.)
 Defiance Manufacturing Company. (See Marx, Richard, assignor.)
 Defiance Pressed Steel Company, The. (See Behringer, Grover F., assignor.)
 Defiance Pressed Steel Company, The. (See Klenk, Gottlieb, assignor.)
 Deforge, Henry. (See Bolton and Deforge.)
 Defren, George, Newton, Mass. Preparing beverages. No. 1,214,518; Feb. 6; v. 235; p. 12.
 Defren, George, Newton, Mass. Preparing beverages. No. 1,235,881; Aug. 7; v. 241; p. 115.
 Defren, George, Newton, Mass. Product for brewers' use. No. 1,235,882; Aug. 7; v. 241; p. 116.
 Degavre, Charles J. (See Burnett and Van Brunt, assignors.)
 Degener, Gustave O., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,226,315; May 15; v. 238; p. 854.
 Degener, Gustave O., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,226,950; May 22; v. 238; p. 1101.
 Degener, Gustave O. (See Wright and Degener.)
 Degener, Gustave O., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,246,889; Nov. 20; v. 244; p. 589.
 Degener, Gustave O., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,247,379; Nov. 20; v. 244; p. 728.
 Degener, Gustave O., Bronxville, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,247,598; Nov. 20; v. 244; p. 790.
 Degginger, Louis A., Covington, Ky., assignor to The No-Break Egg Carrier Co., Cincinnati, Ohio. Egg-carrier. No. 1,227,250; May 22; v. 238; p. 1204.
 Deginger, Adolph, assignor to National Can Co., Detroit, Mich. Receptacle. No. 1,249,910; Dec. 11; v. 245; p. 461.
 Degremont, Emile, Le Cateau, France. Frame for beet-harvesting machines. No. 1,249,911; Dec. 11; v. 245; p. 461.
 Deguide, Camille. (See Ciselet and Deguide.)
 Deguide, Camille, Ixelles, assignor of one-half to D. Marbais, Charleroi, Belgium. Obtaining barium hydrate. No. 1,247,510; Nov. 20; v. 244; p. 766.
 Dehart, Hugh. (See Fisher and Dehart.)
 Dehls, John C. (See Stein, Leo, assignor.)
 Dehls, John C., Brooklyn, N. Y. Automatic musical instrument. No. 1,251,351; Dec. 25; v. 245; p. 975.
 Dehn, Martin, Buffalo, N. Y. Picture-hook. No. 1,210,610; Jan. 2; v. 234; p. 80.
 Deibel, Millie M., Youngstown, Ohio. Attachment for swinging windows. No. 1,219,378; Mar. 13; v. 236; p. 555.
 Deibel, Millie M., Youngstown, Ohio. Mechanical toy. No. 1,221,699; Apr. 3; v. 237; p. 242.
 Deibel, Millie M., Youngstown, Ohio. Game apparatus. No. 1,224,080; Apr. 24; v. 237; p. 1177.
 Deicke, Charles M., Baltimore, Md. Screen-door attachment. No. 1,221,700; Apr. 3; v. 237; p. 243.
 Delgman, Richard C. (See Jackson, Earnest L., assignor.)
 Deindoerfer, John A., Jr., Defiance, Iowa. Box-fastener. No. 1,227,590; May 29; v. 238; p. 1343.
 Deister Concentrator Company. (See O'Connell, Edward J., assignor.)
 Delster, Emil, assignor to Delster Machine Company, Fort Wayne, Ind. Concentrating-table. No. 1,211,364; Jan. 2; v. 234; p. 336.
 Delster Machine Company. (See Deister, Emil, assignor.)
 Deitz, Burr V., Slingerlands, N. Y. Wireless-telephone apparatus. No. 1,214,655; Feb. 6; v. 235; p. 61.
 Del Fungo Giera, Philip L. E., and G. Miller, New York, N. Y. Mine anchor and controller. No. 1,212,048; Jan. 9; v. 234; p. 608.
 Del Fungo-Giera, Philippo L. E., New York, N. Y. Submarine supply. No. 1,220,825; Mar. 27; v. 236; p. 1128.
 Del Fungo-Giera, Philippo L. E., New York, N. Y. Mine. No. 1,220,962; Mar. 27; v. 236; p. 1172.
 Del Fungo-Giera, Philippo L. E., New York, N. Y. Marine mine. No. 1,228,753; June 5; v. 239; p. 129.
 Del Fungo-Giera, Philippo L. E., New York, N. Y. Mine or torpedo. No. 1,228,754; June 5; v. 239; p. 129.
 Del Fungo-Giera, Philippo L. E., New York, N. Y. Mine-releasing device. No. 1,228,755; June 5; v. 239; p. 130.
 Del Fungo-Giera, Philippo L. E., New York, N. Y. Submarine supply-tender. No. 1,228,756; June 5; v. 239; p. 130.

- Del Fungo-Giera, Philippo L. E., New York, N. Y. Signaling system. No. 1,233,199; July 10; v. 240; p. 582.
- Del Valle, Manuel V. (See Brunet, Ernesto M., assignor.)
- Delaforge, Georges L. J., Coronado, Cal. Hotel desk-register. No. 1,214,438; Jan. 30; v. 234; p. 1531.
- Delahant, John F., New York, N. Y. Electric toaster. No. 1,230,384; June 19; v. 239; p. 757.
- Delane, Anson W., New York, N. Y. Resilient wheel. No. 1,225,225; May 8; v. 238; p. 437.
- Delaney, John S. (See Clarke and Delaney.)
- Delaney, Lawrence E., Gage, Okla. Safety device. No. 1,213,758; Jan. 23; v. 234; p. 1267.
- Delaney, Fred N. (See Delaney, Frederick W., assignor.)
- Delaney, Fred N. (See Delaney, Frederick W. and F. N.)
- Delaney, Frederick W., assignor of one-half to F. N. Delaney, Alameda, Cal. Liquid-measuring device. No. 1,235,120; July 31; v. 240; p. 1302.
- Delaney, Frederick W. and F. N., Alameda, Cal. Plumber's fitting. No. 1,213,466; Jan. 23; v. 234; p. 1169.
- Delany, Patrick B., South Orange, N. J. Lubricating and polishing pad for talking-machine records. No. 1,247,232; Nov. 20; v. 244; p. 687.
- Delany, Patrick B., South Orange, N. J. Telegraphy. No. 1,247,940; Nov. 27; v. 244; p. 923.
- Delany, Patrick B., South Orange, N. J., assignor to Secret Telegraph Company, New York, N. Y. Telegraphy. No. 1,244,477; Oct. 30; v. 243; p. 1082.
- Delapp, Abraham L. (See Boyd and Delapp.)
- Delapp, Jesse J. (See Boyd and Delapp.)
- Delbridge, Claude B., Roosevelt, Ariz. Branding-iron. No. 1,244,180; Oct. 23; v. 243; p. 954.
- Delehanty, William F., Boston, Mass. Leaf-spring. No. 1,212,916; Jan. 16; v. 234; p. 943.
- Delencoff, Peter T., North McGregor, Iowa. Fruit-gatherer. No. 1,228,413; June 5; v. 239; p. 13.
- Dellert, Louis, Brooklyn, N. Y. Automatic stop for grinding-mills. No. 1,241,935; Oct. 2; v. 243; p. 149.
- Delevanti, Edward P., New York, N. Y. Cigarette-filling device. No. 1,233,850; July 17; v. 240; p. 829.
- Delliganes, Thomas, Rock Island, Ill. Weapon. No. 1,222,540; Apr. 10; v. 237; p. 571.
- Delkin, Anton L., Sr., Seattle, Wash. Nut-blanching machine. No. 1,233,653; July 17; v. 240; p. 767.
- Dell, Mirah, Hallandale, Fla. Device for oiling saws. No. 1,226,476; May 15; v. 238; p. 904.
- Dell, Phillip J., Jr., Waycross, Ga. Switch-point tie-bar. No. 1,249,912; Dec. 11; v. 245; p. 462.
- Dellamore, Albert, Los Angeles, Cal. Turn-table. No. 1,249,346; Dec. 11; v. 245; p. 297.
- Delmar Manufacturing Company. (See Block, Charles H., assignor.)
- Delmas, Anne M., Chicago, Ill. Support for motion-picture films. No. 1,240,954; Sept. 25; v. 242; p. 803.
- Delmez, Célestin, Antwerp, Belgium. System of suspension for tramway and railway cars. No. 1,216,960; Feb. 20; v. 235; p. 956.
- Delony, William T., Castleberry, Ala. Dirigible headlamp. No. 1,241,348; Sept. 25; v. 242; p. 927.
- Deloatch, Kennie H., Washington, D. C. Gate-latch. No. 1,235,560; Aug. 7; v. 241; p. 9.
- Delphos Printing Press Company, The. (See Leilich and Burger, assignors.)
- Delphos Printing Press Company, The. (See Swink, Charles B., assignor.)
- Delta Electric Company. (See Brownrigg, Henderson, and Case, assignors.)
- Delta-Star Electric Company. (See Herz, Alfred, assignor.)
- Delvin, George H., Henderson, Ky. Mussel-dredge. No. 1,250,288; Dec. 18; v. 245; p. 609.
- Delzell, Frank K., Damascus, Ohio. Combination dinner-pail. No. 1,227,893; May 29; v. 238; p. 1148.
- Demarchi, Joseph F., East Orange, N. J. Machine-tool. No. 1,246,245; Nov. 13; v. 244; p. 359.
- Demas, Demetrios J., Pittsburgh, Pa. Tire casing or shoe. No. 1,228,001; May 29; v. 238; p. 1485.
- Dement, Isaac S., Dayton, Ohio. Driving mechanism. No. 1,235,538; July 31; v. 240; p. 1428.
- Dement, William C., Emory, Tex. Hay gathering and baling machine. No. 1,247,233; Nov. 20; v. 244; p. 687.
- Demetriou, James S. (See Davis, Samuel T., assignor.)
- Demilt, Wallingford C., Brooklyn, N. Y. Replaceable valve-seat for flush-tanks. No. 1,222,081; Apr. 10; v. 237; p. 407.
- Deming, Addie, Windsor, Ontario, Canada. Curtain-fixturing. No. 1,231,336; June 26; v. 239; p. 1116.
- Deming, Frank B., assignor to W. H. Meyerhofer, Salem, Ohio. Nutcracker. No. 1,246,397; Nov. 13; v. 244; p. 406.
- Deming, Herbert V., Cumberland, Md. Shock-absorber. No. 1,212,133; Jan. 9; v. 234; p. 637.
- Deming, William L., Salem, Ohio. Projectographoscope. No. 1,218,749; Mar. 13; v. 236; p. 337.
- Deming, William L., Salem, Ohio. Filling device. No. 1,223,857; Apr. 24; v. 237; p. 1102.
- Demme, Rod A., New York, N. Y. Carbon and producing the same. No. 1,249,041; Dec. 4; v. 245; p. 178.
- Demmler, John, Detroit, Mich. Transmission. No. 1,249,347; Dec. 11; v. 245; p. 297.
- Demoss, J. K. (See Stark, Oia P., assignor.)
- Demovitsch, John, Pittsburgh, Pa. Dough-cutting machine. No. 1,226,642; May 22; v. 238; p. 996.
- Dempsey, Arthur E., Council Bluffs, Iowa. Nested-cup separator. No. 1,238,895; Sept. 4; v. 242; p. 56.
- Dempsey, Arthur E., and O. Steinbaugh, Council Bluffs, Iowa. Stick-candy making and apparatus for same. No. 1,221,423; Apr. 3; v. 237; p. 148.
- Dempsey, Chessly, Ada, Okla. Cuff. No. 1,241,936; Oct. 2; v. 243; p. 150.
- Dempsey, Hugh, Spokane, Wash. Bolt-lock. No. 1,231,135; June 26; v. 239; p. 1050.
- Dempsey, James A., New York, N. Y. Lighting-fixture. No. 1,231,337; June 26; v. 239; p. 1116.
- Dempsey, James E., Manitowish, Wis. Dirigible headlight. No. 1,244,713; Oct. 30; v. 243; p. 1155.
- Dempsey Oil Engine Corporation. (See Dempsey, Peter F., assignor.)
- Dempsey, Peter F., New York, N. Y. Oil-engine. No. 1,224,151; May 1; v. 238; p. 12.
- Dempsey, Peter F., assignor, by mesne assignments, to Dempsey Oil Engine Corporation, New York, N. Y. High-speed oil-engine. No. 1,247,648; Nov. 27; v. 244; p. 837.
- Dempsey, William L., Somerville, Mass. Wagon. No. 1,226,867; May 22; v. 238; p. 1073.
- Dempsey, William L., Somerville, Mass. Fifth-wheel coupling for wagons. No. 1,235,962; Aug. 7; v. 241; p. 142.
- Dempster, John T., Schenectady, N. Y., assignor to General Electric Company, Relay. No. 1,220,826; Mar. 27; v. 236; p. 1128.
- Dempster, Leonard E., Schenectady, N. Y., assignor to General Electric Company. X-ray device. No. 1,246,066; Nov. 13; v. 244; p. 306.
- Dempster Mill Manufacturing Company. (See Elliott, William, assignor.)
- Demuth, Alfred M., San Francisco, Cal. Meat-press. No. 1,249,348; Dec. 11; v. 245; p. 297.
- Demuth, Jean, Le Muy, France. Machine for sorting corks. No. 1,214,519; Feb. 6; v. 235; p. 13.
- Demuth, Max A., Sopkane, Wash. Roller-truck. No. 1,217,159; Feb. 27; v. 235; p. 1070.
- Denbigh, Richard. (See Bishop, Barry N., assignor.)
- Denburger, Joseph D., Lents, Oreg. Mail catching and delivering apparatus. No. 1,225,594; May 8; v. 238; p. 564.
- Denburger, Joseph D., Lents, Oreg. Beet-harvester. No. 1,240,955; Sept. 25; v. 242; p. 803.
- Dendinger, Minnie M., Louisville, Ky. Elevator. No. 1,248,279; Nov. 27; v. 244; p. 1019.
- Dengler, Harvey E., Steelton, Pa. Rail-joint. No. 1,213,759; Jan. 23; v. 234; p. 1267.
- Dengler, John B., Oil City, Pa. Tool-holder. No. 1,248,280; Nov. 27; v. 244; p. 1019.
- Denhard, Harry W., San Francisco, Cal., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric fluid-heater. No. 1,219,265; Mar. 13; v. 236; p. 515.
- Denhard, Harry W., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric heater. No. 1,243,490; Oct. 16; v. 243; p. 710.
- Denison, Frederick S., assignor to Minneapolis Heat Regulator Company, Minneapolis, Minn. Pressure-regulator. No. 1,228,188; May 29; v. 238; p. 1545.
- Denison, Frederick S., assignor to Minneapolis Heat Regulator Co., Minneapolis, Minn. Clock attachment for electric thermostats. No. 1,228,757; June 5; v. 239; p. 130.
- Denison, Howard P. (See Lucas, Edward W., assignor.)
- Deniville, Paul E., New York, N. Y. Manufacture of artificial-stone structures. No. 1,212,331; Jan. 16; v. 234; p. 738.
- Deniville, Paul E., San Francisco, Cal. Manufacture of artificial-stone structures. No. 1,233,265; July 10; v. 240; p. 601.
- Denman, Charles F., Nicholasville, Ky. Toy. No. 1,241,937; Oct. 2; v. 243; p. 150.
- Denman, Frederick, Seattle, Wash. Vehicle-brake. No. 1,213,597; Jan. 23; v. 234; p. 1214.
- Denman, Walter R., assignor to Miller Rubber Co., Akron, Ohio. Building cord tire-casings. No. 1,210,434; Jan. 2; v. 234; p. 20.
- Denman, Walter R., assignor to The Miller Rubber Company, Akron, Ohio. Tire-winding machine, (pneumatic control.) No. 1,211,827; Jan. 9; v. 234; p. 532.
- Denne, Mark T., Rushden, England. Sewing-machine. No. 1,221,842; Apr. 10; v. 237; p. 325.
- Denne, Mark T., Rushden, England. Cam-operated transmission mechanism. No. 1,225,782; May 15; v. 238; p. 670.
- Denne, Mark T., Rushden, England. Threading device for hook-needles in sewing-machines. No. 1,225,783; May 15; v. 238; p. 670.
- Denne, Mark T., Rushden, England. Rotary cutter for skiving or trimming machines. No. 1,230,875; June 26; v. 239; p. 960.
- Denne, Mark T., Rushden, England. Blank-feed mechanism for heel-compressing machines. No. 1,238,391; Aug. 28; v. 241; p. 1024.
- Denne, Mark T., Rushden, England. Welt-guide for boot and shoe sewing machines. No. 1,238,392; Aug. 28; v. 241; p. 1024.
- Denne, Mark T., Rushden, England. Horn-operating mechanism for use in slugging or nailing machines. No. 1,250,988; Dec. 25; v. 245; p. 869.
- Denne, Mark T., Rushden, England. Slugging or nailing machine. No. 1,250,989; Dec. 25; v. 245; p. 869.

Alphabetical list of patentees—Continued.

- Denneen, Francis S., Detroit, Mich. Automatic gear-shifting mechanism. No. 1,218,750; Mar. 13; v. 236; p. 338.
- Dennett, Fred A., assignor to Wisconsin Chair Company, Port Washington, Wis. Cabinet for talking-machines. No. 1,239,774; Sept. 11; v. 242; p. 364.
- Dennery, Samuel L., Lincoln University, Pa. Feeding device. No. 1,228,301; May 29; v. 238; p. 1581.
- Dennery, William J., assignor of one-half to W. E. Boyer, Malone, N. Y. Hand-stamp. No. 1,231,505; June 26; v. 239; p. 1171.
- Denning, Joseph M., Cedar Rapids, Iowa. Steering mechanism. No. 1,250,813; Dec. 18; v. 245; p. 767.
- Dennis, Adolphus S., Lakewood, Ohio, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,226,643; May 22; v. 238; p. 996.
- Dennis, Adolphus S., Lakewood, Ohio, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,246,398; Nov. 13; v. 244; p. 406.
- Dennis, Adolphus S., Lakewood, Ohio, assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Computing-machine. No. 1,248,281; Nov. 27; v. 244; p. 1020.
- Dennis, Adolphus S., Lakewood, Ohio, assignor to H. W. Smith, M. S. Eylar, C. Gabrielson, and W. L. Smith, Syracuse, N. Y. Type-writing machine. No. 1,239,466; Sept. 11; v. 242; p. 267.
- Dennis, Alfred A., assignor of one-half to H. G. Krekel, Grand Rapids, Mich. Valve and alarm for tires. No. 1,244,181; Oct. 23; v. 243; p. 954.
- Dennis, Elmer L., assignor to Andrews Wire & Iron Works, Rockford, Ill. Soap-tray. No. 1,249,603; Dec. 11; v. 245; p. 369.
- Dennis, Francis R. (See Hebben, Frank S., assignor.)
- Dennis, Henry, Louise, Miss. Stalk-pulling implement. No. 1,246,562; Nov. 13; v. 244; p. 456.
- Dennis, John B., Ottumwa, Iowa. Type-writer carrier-return. No. 1,249,913; Dec. 11; v. 245; p. 462.
- Dennis, Joseph A., Ilwaco, Wash. Screen. No. 1,238,646; Aug. 28; v. 241; p. 1106.
- Dennis, Louis M., Ithaca, N. Y. Method of separating a sulfonic acid of a hydrocarbon of the aromatic series from sulfuric acid and of converting the sulfonic acid into a salt. No. 1,211,923; Jan. 9; v. 234; p. 567.
- Dennis, Louis M., Ithaca, N. Y. Separating benzenedisulfonic acid from sulfuric acid and converting the benzenedisulfonic acid into a salt. No. 1,212,612; Jan. 16; v. 234; p. 587.
- Dennis, Louis M., Ithaca, N. Y. Separating benzenedisulfonic acid from sulfuric acid and converting the benzenedisulfonic acid into a salt. No. 1,227,252; May 22; v. 238; p. 1205.
- Dennis, Louis M., Ithaca, N. Y. Cyclic process of making aromatic hydrocarbon hydroxy compounds. No. 1,227,894; May 29; v. 238; p. 1448.
- Dennis, Louis M., Ithaca, N. Y. Separating an aromatic sulfonic acid from sulfuric acid and obtaining the sulfonic acid in solid form. No. 1,228,414; June 5; v. 239; p. 15.
- Dennis, Louis M., Ithaca, N. Y. Separating a sulfonic acid of a hydrocarbon of the aromatic series from sulfuric acid and converting the sulfonic acid into a salt. No. 1,229,593; June 12; v. 239; p. 460.
- Dennison Manufacturing Company. (See Rich, Waldo A., Jr., assignor.)
- Dennison, Walter E., Alameda, Cal. Process of manufacturing architectural terra-cotta in colors for building purposes and the product of such process. No. 1,228,538; June 5; v. 239; p. 56.
- Dennison, Wilburn N., Merchantville borough, N. J., assignor to Victor Talking Machine Company. Automatic brake for talking-machines. No. 1,219,379; Mar. 13; v. 236; p. 556.
- Dennison, Wilburn N., Merchantville borough, N. J., assignor to Victor Talking Machine Company. Brake for talking-machines. No. 1,219,380; Mar. 13; v. 236; p. 556.
- Dental Manikin Head Co. (See Weiss, Faneuil D., assignor.)
- Dentists' Supply Company, The. (See Mountford, Edwin, assignor.)
- Denton, Cromwell S., Lexington, Ky. Machine for harvesting grain. No. 1,249,914; Dec. 11; v. 245; p. 462.
- Denton, George W., Laporte, Ind. Journal-bearing. No. 1,216,781; Feb. 20; v. 235; p. 897.
- Denver Rock Drill Manufacturing Company, The. (See Emerson, Fred L., assignor.)
- Denver Rock Drill Manufacturing Company, The. (See Leonard, William H., assignor.)
- Denver Rock Drill Manufacturing Company, The. (See Oldham, Edward L., assignor.)
- Denver Rock Drill Manufacturing Company, The. (See Smith, William A., assignor.)
- Denver Rock Drill Manufacturing Company, The. (See Waugh, Daniel S., assignor.)
- Depollier, Charles L., Brooklyn, N. Y. Pocket-knife. No. 1,210,770; Jan. 2; v. 234; p. 134.
- Depollier, Charles L., Brooklyn, N. Y. Watchcase. No. 1,210,771; Jan. 2; v. 234; p. 135.
- Depollier, Charles L., Brooklyn, N. Y. Take-up device for wrist-straps for watches. No. 1,226,316; May 15; v. 238; p. 855.
- Depollier, Charles L., Brooklyn, N. Y. Take-up device for wrist-straps for watches. No. 1,227,591; May 29; v. 238; p. 1344.
- Depollier, Charles L., Brooklyn, N. Y. Watch bezel and crystal. No. 1,239,467; Sept. 11; v. 242; p. 267.
- Depollier, Charles L., Brooklyn, N. Y. Securing device for wrist-watches. No. 1,242,152; Oct. 9; v. 243; p. 258.
- Depollier, Charles L., Brooklyn, N. Y. Finger-ring. No. 1,245,201; Nov. 6; v. 244; p. 18.
- Depollier, Charles L., New York, assignor to Dubois Watch Case Company, Brooklyn, N. Y. Display device for watch-bracelets. No. 1,232,237; July 3; v. 240; p. 235.
- Depollier, Charles L., New York, assignor to Dubois Watch Case Company, Brooklyn, N. Y. Detachable strap-terminal and safety-hook. No. 1,232,238; July 3; v. 240; p. 235.
- Deppermann, Hermann, Nowawes-Neuendorf, near Potsdam, Germany. Winding-machine for thread-buttons. No. 1,219,266; Mar. 13; v. 236; p. 516.
- Depue, Clark A. (See Depue, Herbert F. and C. A.)
- Depue, Herbert F. and C. A., Moline, Iowa. Motor-vehicle. No. 1,225,938; May 15; v. 238; p. 722.
- Deranek, Joseph P., East St. Louis, Ill. Combined support and circuit-breaker for conductors. No. 1,224,365; May 1; v. 238; p. 90.
- Derbes, Joseph B., et al., executors. (See Baum, Jacob.)
- Derby, Albert T., San Francisco, Cal. Antiskid-chain-applying tool. No. 1,238,647; Aug. 28; v. 241; p. 1106.
- Derby, John H., New York, N. Y. Telltale. No. 1,244,962; Oct. 30; v. 243; p. 1230.
- Derbyshire, William, assignor to E. F. Case, Rochester, N. Y. Folding crib. No. 1,248,282; Nov. 27; v. 244; p. 1020.
- Derk, Fred, and E. Priest, Kokomo, Ind. Vermin-guard. No. 1,248,283; Nov. 27; v. 244; p. 1020.
- Derment, George F., Centralia, Ill. Automobile lifting-jack. No. 1,233,322; July 17; v. 240; p. 656.
- Dern, George H., Salt Lake City, and T. P. Holt, Silver City, assignors to Holt-Christensen Process Company, Provo, Utah. Blast ore-roaster. No. 1,251,189; Dec. 25; v. 245; p. 926.
- Deroche, Alexander P., Ottawa, Ontario, Canada. Sleeping-car. No. 1,242,331; Oct. 9; v. 243; p. 315.
- Derouin, Eugene. (See Charlebois and Derouin.)
- Derrech, Michael, Cleveland, Ohio. Switch-operating device. No. 1,220,612; Mar. 27; v. 236; p. 1055.
- Derrick, Erastus A., and H. F. Meyers, Little Rock, Ark. Paint-spray. No. 1,232,510; July 10; v. 240; p. 358.
- Derrick, John N., and M. N. Vann, Rockwood, Tenn. Mine-sheave. No. 1,220,963; Mar. 27; v. 236; p. 1172.
- Derrickson, Carey W. (See Williams, Ira C. and C. F., assignors.)
- Derry, Edwin H., Erie, Pa. Sheet-metal basket. No. 1,218,632; Mar. 13; v. 236; p. 294.
- Dervoz, Meho, Chicago, Ill. Nut-lock. No. 1,211,553; Jan. 9; v. 234; p. 437.
- Dervoz, Meho, Chicago, Ill. Nut-lock. No. 1,225,785; May 15; v. 238; p. 670.
- Des Isles, John C. M. (See Ensign and Des Isles.)
- Des Jardines, Philippe L., St. Louis, Mo. Suction-creating apparatus. No. 1,235,991; July 17; v. 240; p. 874.
- Des Rosier, Henry, assignor of one-half to P. Des Rosier, Havre, Mont. Lock for railway-rails. No. 1,241,349; Sept. 25; v. 242; p. 927.
- Des Rosier, Peter. (See Des Rosier, Henry, assignor.)
- Descalles, Eugene M. C., Paris, France. Permutation-padlock. No. 1,222,082; Apr. 10; v. 237; p. 408.
- Deschamps, Joseph O., Lumby, British Columbia, Canada. Sleigh-brake. No. 1,227,397; May 22; v. 238; p. 1250.
- Deshler, Henry D. (See Bowman and Deshler.)
- Desjardins, Charles T. (See Desjardins, Joseph A. and C. T.)
- Desjardins, Joseph A. and C. T., Sorel, Quebec, Canada. Camera. No. 1,223,858; Apr. 24; v. 237; p. 1102.
- Desmarais, Joseph C., et al. (See Valiquet, Ephrem F., assignor.)
- Desmarais, Joseph F., et al. (See Valiquet, Ephrem F., assignor.)
- Desmarais, Joseph F., Montreal, Quebec, Canada. Manufacture of alimentary products. No. 1,220,205; Mar. 27; v. 236; p. 911.
- Desmarais, Joseph V., New Bedford, Mass. Attachment for looms. No. 1,244,842; Oct. 30; v. 243; p. 1193.
- Desmarais, Reginald J., Faribault, Minn. Propulsion device for motor-sleds. No. 1,216,962; Feb. 20; v. 235; p. 957.
- Desmond, John, assignor to Gray-Hawley Manufacturing Company, Detroit, Mich. Engine-starter. No. 1,220,206; Mar. 27; v. 236; p. 911.
- Desmond, John E., Detroit, assignor to Gray Motor Company, Highland Park, Mich. Starter for internal-combustion engines. No. 1,250,569; Dec. 18; v. 245; p. 694.
- Desplats, Domingo, Buenos Aires, Argentina. Packet-holder. No. 1,239,468; Sept. 11; v. 242; p. 267.
- Desrochers, Louis, Fall River, Mass. assignor of one-half to S. F. Stewart, North Tiverton, R. I. Handsaw. No. 1,231,338; June 26; v. 239; p. 1116.
- Dessau, Morland M., assignor to himself and A. S. Morrison, London, England. Paving of roadways and the like. No. 1,233,200; July 10; v. 240; p. 582.

- Dessez, Theodore H., and G. R. Thompson, New York, N. Y. Vise. No. 1,246,563; Nov. 13; v. 244; p. 456.
- Desso, William F., Somers, Conn. Can-straightening machine. No. 1,218,633; Mar. 13; v. 236; p. 294.
- Dessureau, Ernest. (See Capooch and Dessureau.)
- Det norske Aktieselskab for elektrokemisk Industri. (See Farup, Peder, assignor.)
- Deterling, Philip A., Muncie, Ind. Talking-machine-record cabinet. No. 1,238,112; Aug. 28; v. 241; p. 932.
- Detroit Can Company. (See Ford, Ben K., assignor.)
- Detroit Demountable Rim Co. *et al.* (See Harbridge, Chester C., assignor.)
- Detroit Demountable Rim Co. *et al.* (See Mott, Otis W., assignor.)
- Detroit Forging Company. (See Sears, Alfred J., assignor.)
- Detroit Fuse & Mfg. Company. (See Blumberg and Horton, assignors.)
- Detroit Hloist and Machine Company. (See Watson, Archibald S., assignor.)
- Detroit Lubricator Company. (See Funderburk, Otis C., assignor.)
- Detroit Lubricator Company. (See Kirby, Charles H., assignor.)
- Detroit Organic Chemical Co. (See Olson, Edgar T., assignor.)
- Detroit Pressed Steel Company. (See Putnam, Alden L., assignor.)
- Detroit Reamer Salvage Co. (See Cogsdill, Stuart A., assignor.)
- Detroit Reamer Salvage Company. (See Glenzer, John C., assignor.)
- Detroit Stoker Company. (See Fitts, Edwin, assignor.)
- Detroit Stove Works. (See Davenport, Ransom W., assignor.)
- Detroit Stove Works. (See Fry, John A., assignor.)
- Detroit Stove Works. (See Harter, Evan, assignor.)
- Detroit Stove Works. (See Mersfelder, William L., assignor.)
- Dettra, John C., assignor to John C. Dettra & Company, Inc., Oaks, Pa. Toy. No. 1,235,771; Aug. 7; v. 241; p. 78.
- Detwiler, Forest V. (See Rowlette, Charles G., assignor.)
- Detwiler, Forest V., Chicago, Ill. Electric cooking apparatus. No. 1,219,926; Mar. 20; v. 236; p. 775.
- Detwiler, Forest V., Chicago, Ill. Hydrocarbon-burner. No. 1,239,775; Sept. 11; v. 242; p. 364.
- Deulen, Ralph O., Bridgeport, Nebr. Charge-preparing apparatus. No. 1,228,415; June 5; v. 239; p. 14.
- Deuss, William F., Chicago, Ill. Index-tab. No. 1,220,402; Mar. 27; v. 236; p. 982.
- Deutsch, Alexander, Girard, Ohio. Syringe or atomizer. No. 1,210,772; Jan. 2; v. 234; p. 135.
- Deutsch, Isidor, Avalon, Pa., assignor to Westinghouse Electric and Manufacturing Company. Controller. No. 1,244,478; Oct. 30; v. 243; p. 1082.
- Deutsch-Koloniale Gerb- & Farbstoff-Gesellschaft m. b. H. (See Römer, Adolf, assignor.)
- Deutsch, Simon, Detroit, Mich. Float-controlled electric indicator. No. 1,222,189; Apr. 10; v. 237; p. 447.
- Deutsche Gasglühlicht, Aktiengesellschaft (Auergesellschaft). See Nernst, Walther, assignor.)
- Deutsche Maschinenfabrik Aktiengesellschaft. (See Tadey, Carl, assignor.)
- Deutschman, Peter, Westbrook, Minn. Cattle ringer and leader. No. 1,236,276; Aug. 7; v. 241; p. 240.
- Deutschmeister, Abraham, New York, N. Y. Envelop. No. 1,223,569; Apr. 24; v. 237; p. 999.
- Devanney, Thomas M., assignor to The Eagle Counter and Leather Company, Cincinnati, Ohio. Finishing-machine for shoe-counters. No. 1,223,040; Apr. 17; v. 237; p. 785.
- Devaucelle, Louis P., Courbevoie, France, and F. Bensa, Genoa, Italy. Manufacture of cyanids and ammonia. No. 1,237,485; Aug. 21; v. 241; p. 698.
- Devenis, Peter M., Waterbury, Conn. Tire structure. No. 1,245,090; Oct. 30; v. 243; p. 1268.
- Devenny, Charles F. (See Devenny, James J. and C. F.)
- Devenny, James J. and C. F., Philadelphia, Pa. Sash-joint. No. 1,242,427; Oct. 9; v. 243; p. 344.
- Devereaux, Frank M., Syracuse, N. Y. Padlock. No. 1,235,772; Aug. 7; v. 241; p. 79.
- Device Testing Company, The. (See Canton, Allen A., assignor.)
- Devinez, Joseph, Lowell, Mass. Headlight for automobiles. No. 1,212,460; Jan. 16; v. 234; p. 783.
- Dexitt, George C., and I. S. B. Whistler, assignors to Buffalo Scale Company, Buffalo, N. Y. Bearing for scales. No. 1,245,202; Nov. 6; v. 244; p. 18.
- Devlin, Edward J., Newark, N. J. Ventilator for boots, shoes, and like articles. No. 1,223,042; Apr. 17; v. 237; p. 786.
- Devlin, Georgie A. (See Devlin, William G., assignor.)
- Devlin, John H., Paris, France. Finger-nail polisher. No. 1,247,089; Nov. 20; v. 244; p. 645.
- Devlin, Joseph L., Denver, Colo. Game-board and game. No. 1,211,103; Jan. 2; v. 234; p. 249.
- Devlin, William G., assignor to G. A. Devlin, Arcata, Cal. Cuspidor holder and lifter. No. 1,220,732; Mar. 27; v. 236; p. 1005.
- Devoe & Reynolds Company. (See Gillpatrick, George F., assignor.)
- Devold, Laurence B., Emmett, Kans. Wire-stretcher. No. 1,216,089; Feb. 13; v. 235; p. 604.
- Dew, Henry J., Chorlton-cum-Hardy, England. Lamp for motor-vehicles and like services. No. 1,217,718; Feb. 27; v. 235; p. 1265.
- Dew, Henry J., Chorlton-cum-Hardy, Manchester, England. Lamp for motor-vehicles and like services. No. 1,221,036; Apr. 3; v. 237; p. 12.
- Dew, Henry J., Chorlton-cum-Hardy, Manchester, England. Lamp for motor-vehicles and like services. No. 1,221,037; Apr. 3; v. 237; p. 12.
- Dew, James W. H., London, England. Manufacturing pneumatic-tire covers. No. 1,228,099; May 29; v. 238; p. 1518.
- Dew, James W. H., London, England. Manufacturing waterproof sheeting and the like. No. 1,236,685; Aug. 14; v. 241; p. 406.
- Dew, James W. H., London, assignor to The Azulay Syndicate Limited, London, England. Machine for manufacturing material from adhesives and fibers. No. 1,241,938; Oct. 2; v. 243; p. 150.
- Dewald, Charles, Boulogne-sur-Seine, France. Liquid-operated tipping-jack. No. 1,237,309; Aug. 21; v. 241; p. 642.
- Dewald, John V., Philadelphia, Pa. Resilient tire. No. 1,228,539; June 5; v. 239; p. 56.
- Dewar, James, London, and A. Liebmann, Weybridge, England, assignors to The Procter and Gamble Company, Cincinnati, Ohio. Catalytic device. No. 1,222,608; Apr. 17; v. 237; p. 636.
- Deweese, Benjamin F., assignor to one-half to P. C. Minotti, Logan, W. Va. Combined leveling, plumbing, and gaging implement. No. 1,217,286; Feb. 27; v. 235; p. 1113.
- Deweese, Jay H., Moscow, Ky. Pocket match-box. No. 1,225,939; May 15; v. 238; p. 722.
- Dewend, William D., Moline, Ill., assignor to Moline Plow Company. Wheel-adjusting mechanism for wheeled plows. No. 1,232,240; July 3; v. 240; p. 235.
- Dewey, Clarence D., Hawley, Pa. Car-journal. No. 1,243,049; Oct. 16; v. 243; p. 578.
- Dewey, Clayton O., Brookline, Mass. Receiver-supporting attachment for desk-telephone transmitters. No. 1,247,234; Nov. 20; v. 244; p. 688.
- Dewey Davenport Company. (See Dewey, Josiah A., assignor.)
- Dewey, Edward H. (See Howd, Alvah J., assignor.)
- Dewey, Josiah A., assignor to Dewey Davenport Company, San Francisco, Cal. Folding bed. No. 1,214,284; Jan. 30; v. 234; p. 1479.
- Dewey, Josiah A., assignor to Dewey Davenport Company, San Francisco, Cal. Folding bed. No. 1,229,242; June 12; v. 239; p. 341.
- Dewey, Josiah A., assignor to Murphy Wall Bed Co., San Francisco, Cal. Folding bed. No. 1,233,759; July 17; v. 240; p. 799.
- Dewson, Edward H. (See Turner and Dewson.)
- Dewson, Edward H., New York, and T. R. Brown, Sparkill, N. Y., assignors to The Westinghouse Air Brake Company, Pittsburgh, Pa. Car and electric coupling. No. 1,225,786; May 15; v. 238; p. 671.
- Dexter Company, The. (See George, William H., assignor.)
- Dexter, David F., Canton, S. D. Display-rack. No. 1,238,499; Aug. 28; v. 241; p. 1058.
- Dexter Folder Company. (See Breen and Martin, assignors.)
- Dexter Folder Company. (See Dexter and Meredith, assignors.)
- Dexter Folder Company. (See Lockton, Frank B., assignor.)
- Dexter, Fred A. (See Williams, Dexter, and Smith.)
- Dexter, Talbot C., and R. Meredith, assignors to Dexter Folder Company, Pearl River, N. Y. Pneumatic sheet-separating machine. No. 1,249,042; Dec. 4; v. 245; p. 178.
- Dexter, Talbot C., and R. Meredith, assignors to Dexter Folder Company, Pearl River, N. Y. Sheet-buckler. No. 1,250,990; Dec. 25; v. 245; p. 869.
- Dey, Harry E., Jersey City, N. J. Controller for and method of regulating electric motors. No. 1,222,852; Apr. 17; v. 237; p. 720.
- Deysher, William L., San Anselmo, Cal. Rotary pump. No. 1,245,691; Nov. 6; v. 244; p. 167.
- Di Falco, Raymond. (See De Paul and Di Falco.)
- Di Francesco, Luigi, Mountville, Va. Nut-lock. No. 1,247,255; Nov. 20; v. 244; p. 693.
- Di Giovanni, Gaetano, New York, N. Y. Window-cleaner. No. 1,235,447; July 31; v. 240; p. 1398.
- Di Salvo, Joseph, Joliet, Ill. Expansion device. No. 1,224,720; May 1; v. 238; p. 216.
- Di Zerega, John V., New York, N. Y. Figure wheeled toy. No. 1,223,372; Apr. 24; v. 237; p. 929.
- Dial, Henry M. (See Duke, Luther V., assignor.)
- Dial, Robert E., assignor to one-half to J. C. Stark, Ather-ton, Ind. Combined planter and fertilizer-distributor. No. 1,216,419; Feb. 20; v. 235; p. 773.
- Diamond Drill Contracting Company. (See Stone, Frederick, assignor.) (Reissue.)
- Diamond Forging & Manufacturing Company. (See Wickersham, Gilbert B., assignor.)

Alphabetical list of patentees—Continued.

- Diamond, George F., Kingston, N. Y. One-man, deck-controlled submarine craft. No. 1,232,241; July 3; v. 240; p. 236.
- Diamond, George F., and E. T. Richards, Kingston, N. Y. Auto-tire signal pressure-gage. No. 1,215,782; Feb. 13; v. 235; p. 492.
- Diamond Individual Towel System Co. (See Ammann, Henry A., assignor.)
- Diamond, James K., assignor to Clipper Belt Lacer Company, Grand Rapids, Mich. Belt hook or staple. No. 1,227,253; May 22; v. 238; p. 1205.
- Diamond Match Company, The. (See Donnelly, Joseph C., assignor.)
- Diamond Match Company, The. (See Donnelly and Roberts, assignors.)
- Diamond Match Company, The. (See Fairburn, William A., assignor.)
- Diamond Match Company, The. (See Lane, Frederick W., assignor.)
- Diamond Match Company, The. (See Paridon, Michael, assignor.)
- Diamond Match Company, The. (See Paridon and Harris, assignors.)
- Diamond Match Company, The. (See Roberts, William, assignor.)
- Diamond Match Company, The. (See Wright, Jacob P., assignor.)
- Diamond Power Specialty Company. (See Herman, Samuel J., assignor.)
- Diamond Power Specialty Company. (See McIlvane, Frank, assignor.)
- Diamond Power Specialty Company. (See Watson, Glenn W., assignor.)
- Diamond, Samuel S., Bridgeport, Conn., assignor to R. & G. Corset Company, Inc., New York, N. Y. Corset. No. 1,248,464; Dec. 4; v. 245; p. 11.
- Diamond State Fibre Company. (See McIntosh, James, assignor.)
- Diaphone Signal Company, The. (See Sims, Frederick L. H., assignor.)
- Diaz, Manuel T., New York, N. Y. Non-repackable cigar-box. No. 1,235,773; Aug. 7; v. 241; p. 79.
- Dibbets, Laurent G. G., The Hague, Netherlands. Crushing-roll. No. 1,219,927; Mar. 20; v. 236; p. 776.
- Dibert, Loyd C., San Francisco, Cal. Vibrating shaker-screen. No. 1,234,299; July 24; v. 240; p. 1009.
- Dick, Albert B., Lake Forest, assignor to A. B. Dick Company, Chicago, Ill. Stenciling material. No. 1,223,773; Apr. 24; v. 237; p. 1073.
- Dick, Bess F., Topeka, Kans. Embroidery-hoop. No. 1,232,242; July 3; v. 240; p. 236.
- Dick, Burns, assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Ignition device. No. 1,248,828; Dec. 4; v. 245; p. 120.
- Dick, Burns, assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Condenser-terminal and forming same. No. 1,248,829; Dec. 4; v. 245; p. 120.
- Dick, Charles E., Pickaway county, near Mount Sterling, Ohio. Check-protector. No. 1,229,047; June 5; v. 239; p. 226.
- Dick, Charles O., assignor of one-half to E. V. Rhodes, Glenwood, Iowa. Automobile-lock. No. 1,218,932; Mar. 13; v. 236; p. 403.
- Dick, John, East Pittsburgh, T. H. Rutter, Homestead, and C. E. Lewis, Swissvale, Pa. Valve mechanism for pumps. No. 1,231,506; June 26; v. 239; p. 1171.
- Dick, Maurice S. (See Witte, Adolf P., assignor.)
- Dick, Samuel M., assignor of one-half to A. H. Maas, Minneapolis, Minn. Transmission mechanism. No. 1,232,243; July 3; v. 240; p. 236.
- Dick, Samuel M., assignor of one-half to A. H. Maas, Minneapolis, Minn. Gearless differential mechanism. No. 1,232,244; July 3; v. 240; p. 237.
- Dick, Willis V., assignor to The Safe-Cabinet Company, Marietta, Ohio. Heat-resisting cabinet. No. 1,249,604; Dec. 11; v. 245; p. 369.
- Dickel, Frank A. (See Dickel, James A., assignor.)
- Dickel, James A., assignor of one-half to F. A. Dickel, Ottumwa, Iowa. Hay-press. No. 1,227,761; May 29; v. 238; p. 1402.
- Dickelman, Lizzie H., Forest, Ohio. Grain-storehouse construction. No. 1,219,267; Mar. 13; v. 236; p. 516.
- Dickelman, Lizzie H., Forest, Ohio. Metal building-plate. No. 1,226,477; May 15; v. 238; p. 904.
- Dickelman, Lizzie H., Forest, Ohio. Elastic crib. No. 1,247,511; Nov. 20; v. 244; p. 766.
- Dickenson, Robert R., Grant, Va. Collapsible shaving set. No. 1,248,284; Nov. 27; v. 244; p. 1020.
- Dicker, Ford R. (See Knox and Dicker.)
- Dickerhoof, Harvey H., Canton, Ohio. Ball-bearing. No. 1,242,153; Oct. 9; v. 243; p. 258.
- Dickerman, George W. (See Rasch, Louis, assignor.)
- Dickerson, Augustus W., Detroit, Mich. Automobile-hood. No. 1,246,246; Nov. 13; v. 244; p. 359.
- Dickerson, Fred G. (See Fricke, William A., assignor.)
- Dickerson, Fred G., Chicago, Ill. Display apparatus. No. 1,222,083; Apr. 10; v. 237; p. 408.
- Dickerson, George F., Detroit, Mich. Ventilator. No. 1,243,146; Oct. 16; v. 243; p. 710.
- Dickerson, Herold, Atlantic City, N. J. Safety-envelop and fastening device therefor. No. 1,229,048; June 5; v. 239; p. 226.
- Dickerson, James, *et al.* (See Sartain, Louis M., assignor.)
- Dickerson, James H., Fairmont, W. Va., assignor to Fairmont Mining Machinery Company. Feed-regulator. No. 1,234,532; July 24; v. 240; p. 1086.
- Dickerson, Malcolm, Newark, N. J., assignor to American Air Purifier Corporation. Air purifier and humidifier. No. 1,248,631; Dec. 4; v. 245; p. 61.
- Dickerson, Warren C., Los Angeles, Cal. Wire-stretcher. No. 1,237,875; Aug. 21; v. 241; p. 822.
- Dickerson, William. (See McCann, Robert B., assignor.)
- Dickert, Curtis L., Macon, assignor of one-fourth to E. F. Gaines, Savannah, one-fourth to W. H. Fether, and one-fourth to R. L. Doolittle, Macon, Ga. Reverse-gear valve. No. 1,231,187; June 26; v. 239; p. 1050.
- Dickey, Adam, Boston, and R. A. Hope, Quincy, Mass. Fixture for sliding curtains. No. 1,210,435; Jan. 2; v. 234; p. 20.
- Dickey, Franklin, Oak Park, Ill. Building-tile and wall. No. 1,241,350; Sept. 25; v. 242; p. 927.
- Dickey, James W., Olustee, Okla. Maize-harvester attachment for wagons. No. 1,224,718; May 1; v. 238; p. 215.
- Dickie, George A., Seattle, Wash. Beveling and line-tracing planer. No. 1,237,487; Aug. 21; v. 241; p. 699.
- Dickie, George A., Seattle, Wash. Beveling and line-tracing planer. No. 1,249,349; Dec. 11; v. 245; p. 298.
- Dickie, Robert J., Kelburn, New Zealand. Coin-chute for coin-operated machines. No. 1,234,300; July 24; v. 240; p. 1009.
- Dickinson, Clinton W., La Crosse, Wis. Bearing for disk furrow openers. No. 1,217,423; Feb. 27; v. 235; p. 1160.
- Dickinson, Edgar D., Schenectady, N. Y., assignor to General Electric Company. Valve-gear. No. 1,245,576; Nov. 6; v. 244; p. 132.
- Dickinson, Fairleigh S., Rutherford, N. J. Hypodermic syringe. No. 1,240,033; Sept. 11; v. 242; p. 445.
- Dickinson, Fredrick S., New York, N. Y. Pneumatic tire. No. 1,234,142; July 24; v. 240; p. 958.
- Dickinson, Fredrick S., New York, N. Y. Pneumatic tire. No. 1,234,143; July 24; v. 240; p. 958.
- Dickinson, Fredrick S., New York, N. Y. Pneumatic tire. No. 1,235,963; Aug. 7; v. 241; p. 142.
- Dickinson, Harry S., Moline, Ill., assignor to Moline Plow Company. Agricultural implement. No. 1,233,760; July 17; v. 240; p. 799.
- Dickinson, Harry S., Moline, Ill., assignor to Moline Plow Company. Disk bearing. No. 1,234,533; July 24; v. 240; p. 1086.
- Dickinson, Harry S., Moline, Ill., assignor to Moline Plow Company. Wheeled plow, &c. No. 1,239,090; Sept. 4; v. 242; p. 118.
- Dickinson, Harry S., Moline, Ill., assignor to Moline Plow Company. Disk harrow. No. 1,239,091; Sept. 4; v. 242; p. 119.
- Dickinson, Harry S., Moline, Ill., assignor to Moline Plow Company. Rolling colter. No. 1,242,154; Oct. 9; v. 243; p. 259.
- Dickinson, Harry S., Moline, Ill., assignor to Moline Plow Company. Combined colter and jointer. No. 1,244,714; Oct. 30; v. 243; p. 1155.
- Dickinson, Joseph C., Cottondale, Ala., assignor of one-half to J. D. Wright, Toombs, Miss. Bottle-vending machine. No. 1,240,321; Sept. 18; v. 242; p. 574.
- Dickinson, Joseph H., Cranford, N. J., assignor to The Aeolian Company. Musical instrument. No. 1,237,179; Aug. 14; v. 241; p. 562.
- Dickinson, Joseph H., Cranford, N. J., assignor to The Aeolian Company. Phonograph and the like. No. 1,242,155; Oct. 9; v. 243; p. 259.
- Dickinson, Joseph H., Montclair, and E. D. Swan, Glen Ridge, N. J., assignors to Lidgerwood Manufacturing Company, New York, N. Y. Portable logging apparatus. No. 1,241,830; Oct. 2; v. 243; p. 116.
- Dickinson, Lacell O., Elmira, N. Y. Burial-vault. No. 1,243,492; Oct. 16; v. 243; p. 710.
- Dickinson, Minnie M., Evanston, Ill. Culinary utensil. No. 1,237,622; Aug. 21; v. 241; p. 743.
- Dickinson, William H., *et al.* (See McKeever, Charles, assignor.)
- Dickinson, William N., Brooklyn, N. Y., assignor, by mesne assignments, to Standard Plunger Elevator Company. Limit-switch mechanism. No. 1,249,043; Dec. 4; v. 245; p. 178.
- Dicklin, Adolph M., and J. Rippchen, Stoughton, Wis. Shock-absorbing spring. No. 1,235,190; July 31; v. 240; p. 1322.
- Dickman, Margaret D., Duluth, Minn. Plaiting device. No. 1,231,138; June 26; v. 239; p. 1051.
- Dickman, Margaret D., Duluth, Minn. Box-plaiter. No. 1,231,139; June 26; v. 239; p. 1051.
- Dickman, Smith V., Shavertown, N. Y. Planetary transmission. No. 1,245,692; Nov. 6; v. 244; p. 167.
- Dickson, Benjamin M., Viroqua, Wis. Film-insertion device. No. 1,232,900; July 10; v. 240; p. 485.
- Dickson, Benjamin M., Viroqua, Wis. Photographic developing-tank and rack. No. 1,234,641; July 24; v. 240; p. 1119.
- Dickson, Edward J., Wonatchee, Wash. Valve reamer and reamer. No. 1,236,408; Aug. 14; v. 241; p. 313.
- Dickson, George F., assignor to Confectioners and Bakers Supply Co., Chicago, Ill. Coating-machine. No. 1,215,305; Feb. 6; v. 235; p. 286.

- Dickson, George F., Chicago, Ill. Manufacture of candy. No. 1,239,167; Sept. 4; v. 242; p. 143.
- Dickson, Isaac, Philadelphia, Pa. Elevated-railway structure. No. 1,238,276; Aug. 28; v. 241; p. 986.
- Dickson, James T., assignor of one-eighth to R. Watchorn and seven-eighths to F. Winstanley, H. P. Hitchcock, and W. E. Brown, Los Angeles, Cal. Rotary engine. No. 1,236,274; Aug. 7; v. 241; p. 239.
- Dickson, James T., assignor of one-eighth to R. Watchorn and seven-eighths to F. Winstanley, H. P. Hitchcock, and W. E. Brown, Los Angeles, Cal. Rotary engine. No. 1,236,275; Aug. 7; v. 241; p. 239.
- Dickson, Norman M., Chicago, Ill. Excavator-tooth. No. 1,216,290; Feb. 20; v. 235; p. 726.
- Diddle, Carl F., Huntington, W. Va. Glove. No. 1,237,180; Aug. 14; v. 241; p. 562.
- Didrichsen, Sigvart, Sköien, near Christiania, Norway. Duplex steam-pump. No. 1,211,686; Jan. 9; v. 234; p. 481.
- Diechmann, Niels V., Esbjerg, Denmark. Signaling apparatus for the protection of stations and block-posts. No. 1,213,598; Jan. 23; v. 234; p. 1215.
- Diedrich, Charles G., assignor to C. G. Stifel, St. Louis, Mo. Automobile-signal. No. 1,238,725; Aug. 28; v. 241; p. 1128.
- Defenderfer, Alfred J., Bronxville, assignor to Hayes Defenderfer Co., Inc., New York, N. Y. Wind-shield support. No. 1,211,420; Jan. 9; v. 234; p. 392.
- Diehl, Arthur V., Buzzards Bay, Mass. Educational magnetic toy. No. 1,225,787; May 15; v. 238; p. 671.
- Diehl, Harry L., Chicago, Ill. String-maker's peg. No. 1,229,419; June 12; v. 239; p. 402.
- Diehl, Robert, Philadelphia, Pa., assignor to W. F. Marresford, Brooklyn, N. Y. Machine for making cut-out wall-paper. No. 1,223,942; Apr. 24; v. 237; p. 1130.
- Diehl, Walter R., Pittsburgh, Pa. Anticreeping device. No. 1,241,202; Sept. 25; v. 242; p. 880.
- Diehl, Walter R., and W. H. Townsend, Pittsburgh, Pa. Keyboard for type-writers. No. 1,241,201; Sept. 25; v. 242; p. 879.
- Diehm, Lucius N., West Hartford, assignor of two-thirds to B. C. Stone, Middletown, Conn. Automatic firearm. No. 1,226,478; May 15; v. 238; p. 905.
- Diemert, D. A., et al. (See Redding, Harry B., assignor.)
- Dierig, Conrad, Lawrence, Mass. Tool for repairing tires. No. 1,215,349; Feb. 13; v. 235; p. 336.
- Dierks, Edward F., San Diego, Cal. Pump-valve. No. 1,221,843; Apr. 10; v. 237; p. 325.
- Dies, Charles A., assignor to C. Mark, Chicago, Ill. Making elbows. No. 1,225,788; May 15; v. 238; p. 671.
- Dieschbourg, Willard B., Los Angeles, Cal. Type-writer and color attachment for platen-presses. No. 1,249,917; Dec. 11; v. 245; p. 463.
- Diescher, August P., Pittsburgh, Pa. Lifting mechanism for annealing-boxes. No. 1,216,291; Feb. 20; v. 235; p. 726.
- Diesel, William F., assignor to Sargent & Greenleaf Company, Rochester, N. Y. Lock mechanism. No. 1,213,065; Mar. 6; v. 236; p. 62.
- Dieter, Frank. (See Middleton and Shore, assignors.)
- Dieter, Louis F., Buffalo, N. Y. Method of and apparatus or mill for rolling or forming car-wheels or other circular bodies. No. 1,243,050; Oct. 16; v. 243; p. 578.
- Dieter, Louis F., Buffalo, N. Y. Rolling or forming car-wheels or other circular bodies. No. 1,243,051; Oct. 16; v. 243; p. 579.
- Dieter, Louis F., Buffalo, N. Y. Method of and means for rolling or forming car-wheels or other circular bodies. No. 1,243,052; Oct. 16; v. 243; p. 579.
- Dieter, Louis F., Buffalo, N. Y. Method of and device or means for receiving and positioning work-pieces or finished articles. No. 1,243,053; Oct. 16; v. 243; p. 580.
- Dieter, Louis F., Buffalo, N. Y. Rolled metal car-wheel or similar body. No. 1,246,067; Nov. 13; v. 244; p. 306.
- Dieter, William, assignor to E. W. Bliss Company, Brooklyn, N. Y. Reducing-valve for automobile torpedoes. No. 1,211,104; Jan. 2; v. 234; p. 249.
- Dieter, William, assignor to E. W. Bliss Company, Brooklyn, N. Y. Torpedo steering-gear. No. 1,233,761; July 17; v. 240; p. 799.
- Dieterich, Albert E., Washington, D. C., assignor to F. A. Bruckman, Portland, Ore. Trimming mechanism for pastry-making machines. No. 1,216,292; Feb. 20; v. 235; p. 726.
- Dieterich, Albert E., Washington, D. C., assignor to F. A. Bruckman, Portland, Ore. Mechanism for removing cones from molds and trimming same. No. 1,247,090; Nov. 20; v. 244; p. 645.
- Dieterich, Conrad A. (See Hagemann, Otto C., assignor.)
- Dieterich, Ludwig M., Mount Vernon, assignor of one-half to H. H. Westinghouse, New York, N. Y. Steering-gear for automobiles and other vehicles. No. 1,232,775; July 10; v. 240; p. 444.
- Dieterich, Ludwig M., Mount Vernon, N. Y., assignor to Safety Car Heating & Lighting Company. Fan construction. No. 1,244,480; Oct. 30; v. 243; p. 1083.
- Dieterle, Karl L., Los Angeles, Cal. Liquid-dispensing device. No. 1,228,758; June 5; v. 239; p. 131.
- Dietrich, August, Columbus, Nebr. Plate-glass carrier. No. 1,215,350; Feb. 13; v. 235; p. 336.
- Dietrich, Charles W., Chicago, Ill. Suspension-clamp. (Reissue.) No. 14,260; Feb. 20; v. 235; p. 1016.
- Dietrich, Edward A., New York, N. Y. Brake mechanism. No. 1,225,595; May 8; v. 238; p. 564.
- Dietrich, Edward C., and C. W. Bliss, South Bend, Ind. Trolley mechanism. No. 1,222,740; Apr. 17; v. 237; p. 682.
- Dietrich, Henry C., assignor to Crescent Stove Works, Evansville, Ind. Combination coal and gas range. No. 1,234,642; July 24; v. 240; p. 1120.
- Dietrich, John G., McMinnville, Ore. Beverage and making same. No. 1,249,044; Dec. 4; v. 245; p. 178.
- Dietrich, William, Chicago, Ill., assignor, by mesne assignments, to Automatic Justifier Company, Hammond, Ind. Casting-machine. (Reissue.) No. 14,371; Oct. 2; v. 243; p. 207.
- Dietrichson, William F., assignor to American Car and Foundry Company, St. Louis, Mo. Metallic end for railway-cars. No. 1,224,719; May 1; v. 238; p. 216.
- Dietsche, Adolph, Forest Hills, assignor to American Lithographic Company, New York, N. Y. Cardboard tire-holder. No. 1,233,454; July 17; v. 240; p. 701.
- Dietz, Edwin W., Akron, Ohio. Dipper-tooth. No. 1,218,841; Mar. 13; v. 236; p. 371.
- Dietz, Fred, Irvington, N. J. Spiral spring for the closing of doors. No. 1,215,498; Feb. 13; v. 235; p. 388.
- Dietz, John A., New York, N. Y. Rifle-sight. No. 1,216,783; Feb. 20; v. 235; p. 898.
- Dietz, Paul, assignor to Defiance Manufacturing Company, Philadelphia, Pa. Focusing device for photographic cameras. No. 1,239,469; Sept. 11; v. 242; p. 267.
- Dietz, Paul, assignor to Defiance Manufacturing Company, Philadelphia, Pa. Winding device for roll-film cameras. No. 1,243,270; Oct. 16; v. 243; p. 644.
- Dietz, Paul A., Fort Worth, Tex. Silo construction. No. 1,246,564; Nov. 13; v. 244; p. 456.
- Dietz, William, Brooklyn, N. Y. Cigarette-case. No. 1,221,701; Apr. 3; v. 237; p. 243.
- Diffenbaugh, John D., Monmouth, Ill. Wagon-sign. No. 1,238,749; Sept. 4; v. 242; p. 9.
- Diffendall, Walter H., Hagerstown, Md. Stay-bolt-heading attachment for pneumatic hammers. No. 1,211,554; Jan. 9; v. 234; p. 438.
- Diffendall, Walter H., Hagerstown, Md. Rivet-heating furnace. No. 1,231,507; June 26; v. 239; p. 1171.
- Diffendall, Walter H., Hagerstown, Md. Stay-bolt-heading attachment for pneumatic hammers, &c. No. 1,233,560; July 17; v. 240; p. 736.
- Diffendall, Walter H., Hagerstown, Md. Machine for holding rivets during upsetting. No. 1,247,380; Nov. 20; v. 244; p. 728.
- Diffendall, Walter H., Hagerstown, Md. Portable drilling apparatus. No. 1,249,045; Dec. 4; v. 245; p. 178.
- Diggle, Samuel, Brixton, London, England. Propeller and tractor for use in aerial or marine propulsion or traction. No. 1,246,891; Nov. 20; v. 244; p. 589.
- Diggs, Welford H., Emporia, Kans. Hitching device for tractors. No. 1,232,245; July 3; v. 240; p. 237.
- Dignan, Percival, New York, N. Y. Ribbon-supporting mechanism. No. 1,241,464; Sept. 25; v. 242; p. 961.
- Dignan, Percival, New York, N. Y., assignor to R. H. Macy & Co. Printing-machine. No. 1,240,828; Sept. 25; v. 242; p. 763.
- Dignan, Percival, New York, N. Y., assignor to R. H. Macy & Co. Clutch. No. 1,240,829; Sept. 25; v. 242; p. 763.
- Diks, Petrus M. (See Van den Heuvel and Diks.)
- Dilks, Charles F., assignor of one-half to W. Carl, Bridgeton, N. J. Rubber-boot repairer. No. 1,238,648; Aug. 28; v. 241; p. 1106.
- Dill, Richard E., Belyvidere, Nebr. Pit-silo-wall construction. No. 1,222,586; Apr. 10; v. 237; p. 589.
- Dill, William C., assignor to International Press Company, Orange, Mass. Paper and card gathering and jogging device. No. 1,232,776; July 10; v. 240; p. 444.
- Dill, William W., Seattle, Wash. Amalgamator. No. 1,230,135; June 19; v. 239; p. 675.
- Dillard, George L. (See Hatchett and Dillard.)
- Dillard, George L., Mogollon, N. Mex., assignor to The Capseal Company, El Paso, Tex. Protector for detonator-caps. No. 1,242,781; Oct. 9; v. 243; p. 458.
- Dille, John F., et al. (See Stewart, Andrew B., assignor.)
- Dilley, Arzeno J., Muir, assignor of one-half to F. W. Green, Ionia, Mich. Spring. (Reissue.) No. 14,330; July 24; v. 240; p. 1139.
- Dilley, Arzeno J., Ionia, Mich., assignor to Stanley Vehicle Spring Company, Inc., Syracuse, N. Y. Self-lubricating vehicle-spring. No. 1,240,322; Sept. 18; v. 242; p. 574.
- Dilley, John W., and J. F. Cook, Dallas, Tex. Street and station indicator. No. 1,233,201; July 10; v. 240; p. 582.
- Dillin, Obie J., Chicago, Ill. Automatically-controlled water-heater. No. 1,214,656; Feb. 6; v. 235; p. 61.
- Dillinger, Cuthbert L., Titusville, Pa. Handle. No. 1,217,287; Feb. 27; v. 235; p. 1113.
- Dillingham, Frederick A., assignor to The Troy Carriage Sun Shade Company, Troy, Ohio. Sectional windshield for automobiles. No. 1,229,594; June 12; v. 239; p. 461.
- Dillingham, Frederick A., assignor to The Troy Carriage Sun Shade Company, Troy, Ohio. Umbrella top-notch. No. 1,235,296; July 31; v. 240; p. 1354.

Alphabetical list of patentees—Continued.

- Dillingham, Frederick A., assignor to The Troy Carriage Sun Shade Company, Troy, Ohio. Wind-shield. No. 1,236,550; Aug. 14; v. 241; p. 360.
- Dillingham, Frederick A., assignor to The Troy Carriage Sun Shade Company, Troy, Ohio. Umbrella-runner. No. 1,243,594; Oct. 16; v. 243; p. 740.
- Dillingham, Frederick A., assignor to The Troy Carriage Sunshade Company, Troy, Ohio. Weather-cap for swinging sashes. No. 1,248,285; Nov. 27; v. 244; p. 1021.
- Dillon, Friend E., Wheeling, W. Va., assignor of one-third to W. E. Thomas, Martins Ferry, Ohio. Lens. No. 1,235,297; July 31; v. 240; p. 1355.
- Dillon, George H., Sawtelle, assignor of one-half to R. H. Angell, Soldiers Home, Cal. Laying-register for fowls. No. 1,243,271; Oct. 16; v. 243; p. 644.
- Dillon, George H., Sawtelle, assignor of one-half to J. H. Dobbings, Soldiers Home, Cal. Anchoring device. No. 1,244,432; Oct. 23; v. 243; p. 1030.
- Dillon, Guy, assignor to F. H. Hirschman, Indianapolis, Ind. Mattress-tufting machine. No. 1,211,924; Jan. 9; v. 234; p. 567.
- Dillon, James F., Crown City, assignor to The American Mine Door Company, Canton, Ohio. Splicing-clamp for cables and the like. No. 1,236,551; Aug. 14; v. 241; p. 361.
- Dillon, Joseph J., Wilmette, Ill. Pulley. No. 1,224,152; May 1; v. 238; p. 13.
- Dillon, Joseph P., assignor to R. A. Boushor, Kansas City, Mo. Soap-dispenser. No. 1,224,285; May 1; v. 238; p. 62.
- Dillon, Sydney, Edgewood, Pa. Apparatus for lifting furnace-doors. No. 1,249,605; Dec. 11; v. 245; p. 370.
- Dillon, William A., Marling, Mo. Safety engine-cranking device. No. 1,215,257; Feb. 6; v. 235; p. 270.
- Dilsaver, William E., Supply, N. C. Attachment for automobile-wheels. No. 1,249,350; Dec. 11; v. 245; p. 298.
- Dilthey, Frederick G., Kernville, Cal. Lamp-holder. No. 1,218,531; Mar. 6; v. 236; p. 221.
- Dilworth, John C., assignor to Dilworth, Porter & Company, Ltd., Pittsburgh, Pa. Making tie-plates. No. 1,236,062; Aug. 7; v. 241; p. 173.
- Dilworth, Porter & Company. (See Dilworth, John C., assignor.)
- Dimelow, William F., New York, N. Y. Recoil-pad for firearms. No. 1,222,190; Apr. 10; v. 237; p. 447.
- Dimick, Daniel B., assignor to American Casting Company, Birmingham, Ala. Forming pipe-joints. No. 1,213,760; Jan. 25; v. 234; p. 1267.
- Dimitroff, Alexander S., Glasgow, Mont. Rail-joint. No. 1,215,499; Feb. 13; v. 235; p. 389.
- Dimmock, William S., and W. E. Christian, Chicago, Ill. Check-controlled apparatus for vending-machines. No. 1,250,814; Dec. 18; v. 245; p. 767.
- Dimond, M. Maurice, New York, N. Y. Fluid-gage. No. 1,231,339; June 26; v. 239; p. 1116.
- Dingle, Richard L. (See Cron and Dingle.)
- Dingwall, Charles S., Medford, Oreg. Fruit-tree prop. No. 1,214,142; Jan. 30; v. 234; p. 1429.
- Dingwall, John B. (See Montgomery, Beauchamp H., assignor.)
- Dinkel, Andrew J., assignor to Clarinda Lawn Mower Company, Clarinda, Iowa. Gearing device for power washing-machines. No. 1,228,887; June 5; v. 238; p. 174.
- Dinkel, Andrew J., assignor of one-half to H. C. Hartman, Clarinda, Iowa. Spark-plug. No. 1,239,365; Sept. 4; v. 242; p. 206.
- Dinkel, Andrew J., and H. C. Hartman, Clarinda, Iowa. Shade and curtain fixture. No. 1,239,364; Sept. 4; v. 242; p. 206.
- Dinkins, John M., Jersey City, assignor to E. V. Hartford, Deal, N. J. Means for controlling electrical energy. No. 1,234,301; July 24; v. 240; p. 1010.
- Dinklage, August J., East Orange, N. J. Road-bed for railways. No. 1,231,718; July 3; v. 240; p. 62.
- Dinsmoor, John L., Brooklyn, N. Y. Arc-lamp condenser. No. 1,234,302; July 24; v. 240; p. 1010.
- Dinsmoor, John L., Brooklyn, N. Y. Sanitary sealed closure for containers. No. 1,237,876; Aug. 21; v. 241; p. 823.
- Dinsmoor, John L., Brooklyn, N. Y., assignor to Westinghouse Electric and Manufacturing Company. Arc-lamp. No. 1,238,277; Aug. 28; v. 241; p. 986.
- Dinsmoor, Winfield L., Oakland, Cal. Garden-hose attachment. No. 1,249,918; Dec. 11; v. 245; p. 463.
- Dinsmore, James W., Lookaba, Okla. Cotton-picker. No. 1,219,539; Mar. 20; v. 236; p. 641.
- Dinwiddie, William E., Cappon, Alberta, Canada. Harmonic attachment for piano or organ keyboards. No. 1,246,068; Nov. 13; v. 244; p. 307.
- Dion, Frank X., Lyndonville, Vt. Scale. No. 1,231,003; June 26; v. 239; p. 1005.
- Dippel, Harry, Philadelphia, Pa. Concrete-insert. No. 1,218,378; Mar. 6; v. 236; p. 171.
- Dipworth, Hermann B., Saginaw, Mich. Miter-machine attachment. No. 1,220,964; Mar. 27; v. 236; p. 1172.
- Dirand, Louis J. (See Tucker and Dirand.)
- Disney, James L., Philadelphia, Pa. Stereoscope. No. 1,244,843; Oct. 30; v. 243; p. 1193.
- Dispatch Motor Car Company. (See Sparling, Rowland, assignor.)
- Display Fountain Manufacturing Company. (See Ziener, Adolph O., assignor.)
- Diss, Albert B., Newark, N. J., assignor to Universal Caster & Foundry Company, New York, N. Y. Sliding shoe for furniture-legs and other uses. No. 1,228,759; June 5; v. 239; p. 131.
- Diss, Daniel B., assignor to Universal Caster & Foundry Company, Newark, N. J. Sliding caster. No. 1,232,901; July 10; v. 240; p. 486.
- Diss, Daniel B., Newark, and O. E. Hamtil, Rahway, N. J., assignors to The Burns & Bassick Company, Bridgeport, Conn. Grease-cup. No. 1,247,235; Nov. 20; v. 244; p. 688.
- Disser, John J. (See Brady and Disser.)
- Dissinger, Edward S., Reading, Pa. Explosive shell. No. 1,229,049; June 5; v. 239; p. 226.
- Disturnal, Thomas J., Belmont, Ireland. Carbureter. No. 1,226,479; May 15; v. 238; p. 905.
- Dittmar, Allen A. (See Griggs and Dittmar.)
- Dittmar, Elmer C., Williamsport, Pa. Panel construction. No. 1,247,381; Nov. 20; v. 244; p. 728.
- Dittmer, William A., Tekoa, Wash. Internal-combustion engine. No. 1,250,991; Dec. 25; v. 245; p. 869.
- Dixie House Company. (See Wells, William H., assignor.)
- Dixon, Amos F., Newark, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Selecting mechanism and system. No. 1,210,912; Jan. 2; v. 234; p. 184.
- Dixon, Amos F., Newark, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Selecting apparatus and system. No. 1,215,918; Feb. 13; v. 235; p. 541.
- Dixon, Amos F., Newark, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Selecting system. No. 1,222,853; Apr. 17; v. 237; p. 720.
- Dixon, Amos F., Newark, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telegraph system. No. 1,231,140; June 26; v. 239; p. 1051.
- Dixon, Amos F., Newark, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Indicating and recording system. No. 1,251,190; Dec. 25; v. 245; p. 927.
- Dixon, Charles F. (See Pigott, Reginald J. S., assignor.)
- Dixon, Cuthbert L., Montreal, Quebec, Canada. Boring-cutter. No. 1,230,569; June 19; v. 239; p. 821.
- Dixon, David J., Tacoma, Wash. Cutter-head. No. 1,225,019; May 8; v. 238; p. 369.
- Dixon, Harry J. (See Haberland, Oscar F., assignor.)
- Dixon, Henry, et al. (See Thiele, Adolph, assignor.)
- Dixon, James, Whitwell, Tenn. Car-tipple. No. 1,245,886; Nov. 6; v. 244; p. 225.
- Dixon, James W., Austin, Ill., assignor to American Can Company, New York, N. Y. Valve mechanism. No. 1,236,409; Aug. 14; v. 241; p. 314.
- Dixon, Jesse E., Andalusia, Ala. Sweep shoe and blade. No. 1,230,686; June 19; v. 239; p. 859.
- Dixon, John M., Arlington, assignor of one-fourth to J. H. Jones, Denton, Tex. Step for railway-cars and the like. No. 1,219,443; Mar. 20; v. 236; p. 607.
- Dixon, Joseph H., Elyria, Ohio. Educational toy. No. 1,248,286; Nov. 27; v. 244; p. 1021.
- Dixon, Joseph L., Detroit, Mich. Electrically-heated steel-furnace. No. 1,214,763; Feb. 6; v. 235; p. 98.
- Dixon, Joseph L., Detroit, Mich. Electric steel-furnace. No. 1,214,764; Feb. 6; v. 235; p. 98.
- Dixon, Joseph L., Detroit, Mich. Polyphase electric furnace. No. 1,241,499; Oct. 2; v. 243; p. 7.
- Dixon, Joseph L., Detroit, Mich. Polyphase electric furnace. No. 1,248,632; Dec. 4; v. 245; p. 61.
- Dixon, Joseph L., Sheffield, England. Electric furnace. No. 1,241,351; Sept. 25; v. 242; p. 928.
- Dixon, Laurens P., New York, N. Y. Socket for electric lamps. No. 1,214,439; Jan. 30; v. 234; p. 1531.
- Dixon, Laurens P., New York, N. Y. Alarm device. No. 1,225,940; May 15; v. 238; p. 723.
- Dixon, Merritt W., Jr. (See Park, Charles S., assignor.)
- Dixon, Robert M., East Orange, N. J., assignor to Safety Car Heating & Lighting Company. Generator suspension. (Reissue. No. 14,317; June 19; v. 239; p. 907.
- Dixon, Silas A., and S. L. Ratliff, Gadsden, Ala. Sanitary dry closet. No. 1,250,701; Dec. 18; v. 245; p. 733.
- Dixon, Thomas B., New York, N. Y. Reflector. No. 1,229,420; June 12; v. 239; p. 402.
- Dixon, Thomas B., New York, N. Y. Apparatus for making vegetable infusions or extracts. No. 1,246,399; Nov. 13; v. 244; p. 406.
- Dixon, Walter H. (See Sawyer, August T., assignor.)
- Dixon, Walter W., and H. Vettel, Oakland, assignors, by mesne assignments, to F. E. Cornish, San Leandro, Cal. Convertible desk or table. No. 1,247,091; Nov. 20; v. 244; p. 646.
- Doak, Henry E., assignor to S. E. Doak, San Diego, Cal. Signaling device for irrigating. No. 1,248,633; Dec. 4; v. 245; p. 61.
- Doak, James S., Deming, N. Mex. Windmill. No. 1,231,242; June 26; v. 239; p. 1085.
- Doak, Sallie E. (See Doak, Henry E., assignor.)
- Doan, Rudolph W., Endicott, Wash. Game. No. 1,223,859; Apr. 24; v. 237; p. 1102.
- Doane, Harriet L., and S. Caswell, Fulton, N. Y. Bog-cutter. No. 1,247,382; Nov. 20; v. 244; p. 729.
- Doane, John C., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,248,287; Nov. 27; v. 244; p. 1021.

- Dobbel Auto Safety Lock Company. (See Dobbel, Frederick W., assignor.)
- Dobbel, Frederick W., Sonoma, Cal. Shipping-receptacle. No. 1,236,918; Aug. 14; v. 241; p. 480.
- Dobbel, Frederick W., assignor to Dobbel Auto Safety Lock Company, Sonoma, Cal. Safety-lock for vehicles. No. 1,211,925; Jan. 9; v. 234; p. 568.
- Dobbin, Henry F. (See Goudrum and Dobbin.)
- Dobbings, John H. (See Dillon, George H., assignor.)
- Dobbins, George. (See Dobbins, Jessie M. and G.)
- Dobbins, George, Stockton, Cal. Nut-lock. No. 1,247,236; Nov. 20; v. 244; p. 688.
- Dobbins, George, assignor of one-fourth to J. B. Freeman, Stockton, Cal. Nut-lock. No. 1,212,918; Jan. 16; v. 234; p. 944.
- Dobbins, James C., Portland, Oreg. Liquid coating composition. No. 1,226,195; May 15; v. 238; p. 810.
- Dobbins, Jessie M. and G., Stockton, Cal. Box-car. No. 1,213,081; Jan. 16; v. 234; p. 1000.
- Dobbins, Vincent, New York, N. Y. Slicing-machine. No. 1,243,390; Oct. 16; v. 243; p. 679.
- Dobbs, Robert, Newkirk, Okla. Projector. No. 1,240,034; Sept. 11; v. 242; p. 446.
- Doble, Abner, Waltham, Mass., assignor to General Engineering Company, Detroit, Mich. Hydrocarbon-engine. No. 1,232,777; July 10; v. 240; p. 445.
- Doble, Carl F., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Container for package goods. No. 1,247,237; Nov. 20; v. 244; p. 689.
- Doble, John A., Waltham, Mass. Apparatus for vaporizing and burning hydrocarbon fuels. No. 1,225,417; May 8; v. 238; p. 505.
- Doble, William A., assignor to The Pelton Water Wheel Company, San Francisco, Cal. Centrifugal pump. No. 1,220,403; Mar. 27; v. 236; p. 982.
- Doble, William A., assignor to The Pelton Water Wheel Company, San Francisco, Cal. Speed-governor. No. 1,234,882; July 31; v. 240; p. 1227.
- Doble, William A., assignor to Pelton Water Wheel Company, San Francisco, Cal. Manufacture of cylinders, pipes, &c. No. 1,240,957; Sept. 25; v. 242; p. 804.
- Doble, William H., et al. (See Field, Samuel B., assignor.)
- Doble, William H., assignor of one-fourth to Pneumatic Scale Corporation, Limited, Quincy, Mass. Panel for boxes. No. 1,228,760; June 5; v. 239; p. 131.
- Doble, William H., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Waterproof package. No. 1,247,239; Nov. 20; v. 244; p. 689.
- Doble, William H. and G. A. Robinson, assignors to Pneumatic Scale Corporation, Limited, Quincy Mass. Machine for lining boxes. No. 1,247,238; Nov. 20; v. 244; p. 689.
- Dobler, Joseph G., Galveston, Tex. Lock attachment for automobiles. No. 1,247,512; Nov. 20; v. 244; p. 766.
- Dobson, Frank S., Lake Crystal, Minn. Trench-excavating machine. No. 1,237,310; Aug. 21; v. 241; p. 643.
- Dobson, George W. (See Coe, Herbert M., assignor.)
- Dobson, Hugh J., Newark, N. J. Snap-fastener. No. 1,246,069; Nov. 13; v. 244; p. 307.
- Dobson, James, assignor to Henry Pooley and Son, Limited, Birmingham, England. Weighing apparatus. No. 1,212,027; Jan. 9; v. 234; p. 602.
- Dobson, John B., Atlanta, Ga., assignor to Warren Webster & Company. Steam-heating system. No. 1,212,749; Jan. 16; v. 234; p. 887.
- Dobson, John E., New York, assignor to E. W. Bliss Company, Brooklyn, N. Y. Drawing-press. No. 1,212,192; Jan. 16; v. 234; p. 687.
- Dobson, William A., Windsor, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,247,240; Nov. 20; v. 244; p. 690.
- Dobyne, George A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Welt-shoe. No. 1,251,354; Dec. 25; v. 245; p. 976.
- Dobyne, George A. and S. A., assignors to Champion Shoe Machinery Company, St. Louis, Mo. Presser-foot mechanism for sewing-machines. No. 1,237,245; Aug. 14; v. 241; p. 584.
- Dobyne, Stephen A. (See Dobyne, George A. and S. A.)
- Dobyne, Stephen A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Horn for fastener-inserting machines. No. 1,216,784; Feb. 20; v. 235; p. 898.
- Dobyne, Stephen A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Horn for fastener-inserting machines. No. 1,224,450; May 1; v. 238; p. 121.
- Dobyne, Stephen A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Needle-guide-operating mechanism for sewing-machines. No. 1,233,992; July 17; v. 240; p. 875.
- Dobyne, Stephen A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Sole rounding and cutting machine. No. 1,245,091; Oct. 30; v. 243; p. 1269.
- Dobyne, Stephen A., assignor to Champion Shoe Machinery Company, St. Louis, Mo. Fastener-inserting machine. No. 1,245,887; Nov. 6; v. 244; p. 226.
- Dockery, Rolin. (See King, William R., assignor.)
- Dodd, Albert J., Denver, Colo. Banana-rack. No. 1,211,926; Jan. 9; v. 234; p. 568.
- Dodd, Arthur B., Camden, N. J. Water-faucet. No. 1,216,963; Feb. 20; v. 235; p. 958.
- Dodd, Frank W., Brooklyn, N. Y. Driving mechanism for self-propelled bodies. No. 1,216,664; Feb. 20; v. 235; p. 857.
- Dodd, Harry S., Toronto, Ontario, Canada. Heater. No. 1,226,868; May 22; v. 238; p. 1073.
- Dodd, John, Port Arthur, Tex. Chain-release for logging-cars. No. 1,226,869; May 22; v. 238; p. 1074.
- Dodd, William T., Brooklyn, N. Y., assignor to National Roller Gin Company, Phoenix, Ariz. Cotton-gin. No. 1,226,317; May 15; v. 238; p. 855.
- Dodds, Ethan I. (See Stafford and Dodds.)
- Dodds, Ethan I., Central Valley, N. Y. Reciprocating electric motor or engine. No. 1,237,181; Aug. 14; v. 241; p. 562.
- Dodds, Ethan I., assignor to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt for boilers. No. 1,216,551; Feb. 20; v. 235; p. 819.
- Dodds, Ethan I., assignor to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt for boilers. No. 1,229,909; June 12; v. 239; p. 565.
- Dodds, Ethan I., assignor to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolts for boilers. No. 1,229,910; June 12; v. 239; p. 565.
- Dodds, Ethan I., assignor to Flannery Bolt Company, Pittsburgh, Pa. Nut. No. 1,229,911; June 12; v. 239; p. 566.
- Dodds, Ethan I., assignor to Flannery Bolt Company, Pittsburgh, Pa. Bolt. No. 1,236,063; Aug. 7; v. 241; p. 174.
- Dodds, Ethan I., assignor to Flannery Bolt Company, Pittsburgh, Pa. Means for and method of testing stay-bolts. No. 1,236,064; Aug. 7; v. 241; p. 174.
- Dodds, Ethan I., assignor to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt for boilers. No. 1,236,065; Aug. 7; v. 241; p. 174.
- Dodds, Ethan I., assignor to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt-testing device. No. 1,236,066; Aug. 7; v. 241; p. 174.
- Dodds, Ethan I., assignor to Flannery Bolt Company, Pittsburgh, Pa. Testing the stay-bolts of boilers. No. 1,236,067; Aug. 7; v. 241; p. 175.
- Dodds, Ethan I., assignor to Flannery Bolt Company, Pittsburgh, Pa. Spark-plug for internal-combustion engines and the like. No. 1,244,844; Oct. 30; v. 243; p. 1194.
- Dodds, Ethan I., assignor to Flannery Bolt Company, Pittsburgh, Pa. Making flexible-bolt blanks. No. 1,250,148; Dec. 18; v. 245; p. 567.
- Dodds, Ethan I., assignor to Flannery Bolt Company, Pittsburgh, Pa. Rail-joint. No. 1,250,149; Dec. 18; v. 245; p. 568.
- Dodds, Ethan I., Zelienople, assignor to Kerner Manufacturing Company, Pittsburgh, Pa. Making stay-bolts. No. 1,226,480; May 15; v. 238; p. 906.
- Dodds, Ethan I., Central Valley, N. Y., assignor to Kerner Manufacturing Company, Pittsburgh, Pa. Resilient bolt. No. 1,228,189; May 29; v. 238; p. 1546.
- Dodds, Redus D., Humble, Tex. Sample-taking device. No. 1,235,883; Aug. 7; v. 241; p. 116.
- Dodds, Redus D., Humble, Tex. Device for withdrawing samples from wells. No. 1,247,092; Nov. 20; v. 244; p. 646.
- Dodds, Rowan T. F., Decatur, Ill. Packer. No. 1,211,105; Jan. 2; v. 234; p. 2.
- Dodds, Rowan T. F., Decatur, Ill. Roller-mill. No. 1,218,933; Mar. 13; v. 236; p. 404.
- Dodds, Rowan T. F., Chicago, Ill. Roller-mill. No. 1,218,634; Mar. 13; v. 236; p. 295.
- Dodge, Alfred C., Yonkers, N. Y. Weighing-machine. No. 1,236,686; Aug. 14; v. 241; p. 406.
- Dodge, Austin R., Schenectady, N. Y., assignor to General Electric Company. Flow-meter. (Reissue.) No. 14,269; Mar. 13; v. 236; p. 570.
- Dodge Brothers. (See Dodge, Horace E., assignor.)
- Dodge Brothers. (See Dodge, John F. and H. E., assignors.)
- Dodge Brothers. (See Vocelle, Adolph, assignor.)
- Dodge, Charles C., Boston, Mass. Hinged last. No. 1,224,451; May 1; v. 238; p. 122.
- Dodge, Fred, assignor of one-half to F. A. Griffin, Clifton, La. Elevator appliance. No. 1,219,268; Mar. 13; v. 236; p. 517.
- Dodge, Harry C. and C. G. Osteman, Boston, Mass.; said Osteman assignor to said Dodge. Stop mechanism for lathes. No. 1,249,275; Dec. 4; v. 245; p. 245.
- Dodge, Horace E. (See Dodge, John F. and H. E.)
- Dodge, Horace E., Grosse Pointe, assignor to Dodge Brothers, Detroit, Mich. Piston. No. 1,218,986; Mar. 13; v. 236; p. 421.
- Dodge, Horace E., Grosse Pointe, assignor to Dodge Brothers, Detroit, Mich. Speedometer driving mechanism. No. 1,242,660; Oct. 9; v. 243; p. 420.
- Dodge, James M., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Chain link. No. 1,235,448; July 31; v. 240; p. 1398.
- Dodge, John F., Detroit, and H. E. Dodge, Grosse Pointe, assignors to Dodge Brothers, Detroit, Mich. Means for supporting and adjusting rotary devices. No. 1,212,461; Jan. 16; v. 234; p. 783.
- Dodge, John F., Detroit, and H. E. Dodge, Grosse Pointe, assignors to Dodge Brothers, Detroit, Mich. Truck or stand used in assembling motors. No. 1,216,552; Feb. 20; v. 235; p. 819.

Alphabetical list of patentees—Continued.

- Dodge, Joshua, Detroit, Mich. Truss. No. 1,226,645; May 22; v. 238; p. 997.
- Dodge Manufacturing Company. (See Hosford, William B., assignor.)
- Dodge Manufacturing Company. (See Kenyon, Bertram C., assignor.)
- Dodge Manufacturing Company. (See Pilkington, Robert G., assignor.)
- Dodge, Milo C., assignor to Plymouth Cordage Company, Plymouth, Mass. Marking device for ropes. No. 1,216,964; Feb. 20; v. 235; p. 958.
- Dodge, Milton L., Newburyport, Mass. Turned shoe and making the same. No. 1,221,153; Apr. 3; v. 237; p. 53.
- Dodge, Milton L., Newburyport, Mass. Shoe and making the same. No. 1,221,154; Apr. 3; v. 237; p. 53.
- Dodge, Milton L., Newburyport, Mass. Turn-shoe and making the same. No. 1,224,081; Apr. 24; v. 237; p. 1177.
- Dodge, Milton L., Newburyport, Mass. Shoemaker's tool. No. 1,228,761; June 5; v. 239; p. 132.
- Dodge, Milton L., Newburyport, Mass. Making turn-shoes. No. 1,241,939; Oct. 2; v. 243; p. 150.
- Dodge, Milton L., Newburyport, Mass. Turn-shoe. No. 1,241,940; Oct. 2; v. 243; p. 151.
- Dodge, Otis W., Spokane, Wash., assignor of one-half to W. H. Bowes Company, Port Chester, N. Y. Means for removing water of condensation from drying-cylinders. No. 1,215,253; Feb. 6; v. 235; p. 271.
- Dodge, Parker, Washington, D. C. Mounting diaphragms in sound-boxes. No. 1,215,500; Feb. 13; v. 235; p. 389.
- Dodge, Parker, Washington, D. C. Sound-box. No. 1,251,355; Dec. 25; v. 245; p. 976.
- Dodge, Philip T., New York, N. Y., assignor to Mergenthaler Linotype Company. Matrix for slug-casting machines. No. 1,231,861; July 3; v. 240; p. 109.
- Dodgson, Frank L. (See Salmon and Dodgson.) (Re-issue.)
- Dodgson, Frank L., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Relay. No. 1,216,420; Feb. 20; v. 235; p. 773.
- Dodson, Alcada F., Milan, Mo. Calculating-machine. No. 1,234,303; July 24; v. 240; p. 1011.
- Dodson, Charles B., Athens, Tenn. Show-case. No. 1,245,203; Nov. 6; v. 244; p. 19.
- Dodson, Emery H., Eleanor, Ill. Train-order signal. No. 1,221,155; Apr. 3; v. 237; p. 54.
- Dodson, John C., Stone Mountain, Ga. Stone-dresser. No. 1,240,687; Sept. 18; v. 242; p. 686.
- Dodson, Joseph H., Chicago, Ill. Trap. No. 1,222,191; Apr. 10; v. 237; p. 447.
- Doe, Walter S., assignor of one-half to A. L. Davis, Kent, Ohio. Pencil-sharpener. No. 1,233,851; July 17; v. 240; p. 830.
- Doeblin, Wm. M., et al. (See Good and Tandy, assignors.)
- Doeg, Issachar W., Exeter, N. H. Oil-guard for shaft-bearings. No. 1,211,106; Jan. 2; v. 234; p. 250.
- Doehler Die Casting Company. (See Doehler, Herman H., assignor.)
- Doehler Die Casting Company. (See Kralund, John, assignor.)
- Doehler Die Casting Company. (See Nock, Leo F., assignor.)
- Doehler, Herman H., Brooklyn, N. Y. Bushing and making same. No. 1,249,920; Dec. 11; v. 245; p. 464.
- Doehler, Herman H., assignor to Doehler Die Casting Company, Brooklyn, N. Y. Art of and apparatus for casting fluid metal. No. 1,214,904; Feb. 6; v. 235; p. 147.
- Doehler, Herman H., Brooklyn, assignor to Doehler Die Casting Company. Casting fluid metals. No. 1,224,906; May 8; v. 238; p. 330.
- Doehler, Herman H., assignor to Doehler Die Casting Company, Brooklyn, N. Y. Casting apparatus. No. 1,249,919; Dec. 11; v. 245; p. 464.
- Doenitz, Reinhold C., et al. (See Watts, Daniel J., assignor.)
- Doerinkel, Fritz, Essen-on-the-Ruhr, Germany. Furnace. No. 1,213,082; Jan. 16; v. 234; p. 1000.
- Doering, Charles, Jr. (See Doering, Henry C., Jr., and M.)
- Doering, Charles, Jr., Chicago, Ill. Liquid-dispensing apparatus. No. 1,210,612; Jan. 2; v. 234; p. 80.
- Doering, Charles, Jr., Chicago, Ill. Disinfecting device. No. 1,240,831; Sept. 25; v. 242; p. 765.
- Doering, Charles, Jr., Oak Park, Ill. Liquid-dispensing apparatus. No. 1,241,353; Sept. 25; v. 242; p. 928.
- Doering, Charles, Jr., and H. H., Chicago, Ill. Liquid-dispensing device. No. 1,225,418; May 8; v. 238; p. 505.
- Doering, Charles, Jr., and H. H., Chicago, Ill. Device for dispensing liquids. No. 1,240,830; Sept. 25; v. 242; p. 764.
- Doering, Charles, Jr., and H. H., Chicago, Ill. Liquid-dispensing device. No. 1,246,565; Nov. 13; v. 244; p. 456.
- Doering, Charles, Jr., Oak Park, and M. A. Doering, Chicago, Ill. Water-dispensing device. No. 1,241,352; Sept. 25; v. 242; p. 928.
- Doering, Felix F. (See Darden and Doering.)
- Doering, Henry C., Jr., and M., Chicago, Ill. Vending device. No. 1,246,566; Nov. 13; v. 244; p. 457.
- Doering, Henry H. (See Doering, Charles, Jr., and H. H.)
- Doering, Max A. (See Doering, Charles, Jr., and M. A.)
- Doering, Max. (See Doering, Henry C., Jr., and M.)
- Doerner, Henry A., assignor to The Chemical Products Company, Denver, Colo. Producing hydrogen peroxid. No. 1,235,664; Aug. 7; v. 241; p. 43.
- Doerr, George W. (See Simonds and Doerr.)
- Doerr, Harry E., assignor to Scullin Steel Company, St. Louis, Mo. Railway-car construction. No. 1,245,323; Nov. 6; v. 244; p. 55.
- Doerr, Harry E., assignor to Scullin-Gallagher Iron & Steel Company, St. Louis, Mo. Combined yoke and coupling-shank. No. 1,246,400; Nov. 13; v. 244; p. 407.
- Doerschuk, Carl F., Cleveland, Ohio. Cotter-pin. No. 1,230,876; June 26; v. 239; p. 960.
- Doerwald, William R., Brooklyn, N. Y. Toy bank. No. 1,211,299; Jan. 2; v. 234; p. 317.
- Doherty, Harry B., assignor of one-half to J. M. McClellon, Everett, Mass. Hoisting apparatus. No. 1,244,301; Oct. 23; v. 243; p. 992.
- Doherty, Henry L., New York, N. Y. Apparatus for removing suspended matter from gaseous fluids. No. 1,212,193; Jan. 16; v. 234; p. 687.
- Doherty, Henry L., New York, N. Y. Operating gas-fired furnaces. No. 1,214,520; Feb. 6; v. 235; p. 13.
- Doherty, Henry L., New York, N. Y. Distillation process. No. 1,225,226; May 8; v. 238; p. 437.
- Doherty, Henry L., New York, N. Y. Furnace-grate. No. 1,235,121; July 31; v. 240; p. 1302.
- Doherty, Henry L., assignor to The Improved Equipment Company, New York, N. Y. Process of heating and apparatus therefor. No. 1,222,741; Apr. 17; v. 237; p. 683.
- Doherty, Henry L., assignor to The Improved Equipment Company, New York, N. Y. Process of and apparatus for producing gas. No. 1,235,774; Aug. 7; v. 241; p. 80.
- Doherty, William F., Jr., Bisbee, Ariz. Vehicle-spring. No. 1,223,678; Apr. 24; v. 237; p. 1040.
- Doherty, William F., Jr., Bisbee, Ariz. Vehicle-spring. No. 1,233,762; July 17; v. 240; p. 800.
- Dohm, Robert O., Dane, Wis. Drain-valve. No. 1,239,574; Sept. 11; v. 242; p. 301.
- Dohmen, Arthur, Cologne, Germany. Apparatus for the electrolytic decomposition of water. No. 1,211,687; Jan. 9; v. 234; p. 482.
- Dohn, William, Indianapolis, Ind. Clothes-drying tumbler-machine. No. 1,247,798; Nov. 27; v. 244; p. 884.
- Dohner, Burt E., and A. J. Huff, Dayton, Ohio. Feed-tube. No. 1,227,592; May 29; v. 238; p. 1344.
- Dohrmeier, Herman P. (See Lane, Guice, and Dohrmeier.)
- Dolan, Halley C., Detroit, Mich. Automobile-signal. No. 1,236,152; Aug. 7; v. 241; p. 200.
- Dolan, Halley C., assignor of one-half to M. J. McLeod, Detroit, Mich. Push-button. No. 1,216,553; Feb. 20; v. 235; p. 819.
- Dolan, Hugh F., Pottsville, Pa. Excavator and loader. No. 1,234,304; July 24; v. 240; p. 1011.
- Dolan, John H. (See Hauser and Dolan.)
- Dolan, Patrick N., West Philadelphia, Pa. Head-covering. No. 1,228,002; May 29; v. 238; p. 1485.
- Dolbear, Samuel H., San Francisco, Cal. Guard for cement work. No. 1,238,992; Sept. 4; v. 242; p. 88.
- Dolby, Jesse H., Elgin, Ill. Self-operating camera-shutter. No. 1,249,351; Dec. 11; v. 245; p. 298.
- Dolcater, Frederick C., Washington, D. C., assignor to Montague Mailing Machinery Co., Chattanooga, Tenn. Printing apparatus. No. 1,236,153; Aug. 7; v. 241; p. 250.
- Doldt, John E., Portland, Me. Auger-bit. No. 1,244,593; Oct. 30; v. 243; p. 1118.
- Doldt, John E., Portland, Me., assignor to Star Seal Company, New York, N. Y. Sealing device. No. 1,232,902; July 10; v. 240; p. 486.
- Dolivo-Dobrowsky, Michael, Wilmersdorf, Germany, assignor to General Electric Company. Electric motor. No. 1,227,400; May 22; v. 238; p. 1251.
- Doll, Henry. (See Schumacher and Doll.)
- Dollar Saving and Trust Company, The. (See Foley, William E., assignor.)
- Dolle, Charles F., Cincinnati, Ohio. Electric-light fixture. No. 1,228,762; June 5; v. 239; p. 132.
- Dolomite Products Company, The. (See Patnoe, George W., assignor.)
- Dolph, Fred A., Chicago, Ill. Type-writing machine. No. 1,232,246; July 3; v. 240; p. 237.
- Dolter, Emile, Sinaluta, Saskatchewan, Canada. Grain-pickling device. No. 1,234,305; July 24; v. 240; p. 1012.
- Dom, Alexander, assignor to The Samuel C. Tatum Company, Cincinnati, Ohio. Binder. No. 1,241,610; Oct. 2; v. 243; p. 47.
- Doman, Albert E., Elbridge, assignor, by mesne assignments, to Dyneto Electric Corporation, Syracuse, N. Y. Automatic regulator for combined dynamo and storage-battery circuits. No. 1,238,896; Sept. 4; v. 242; p. 57.
- Doman, Albert E., Elbridge, assignor, by mesne assignments, to Dyneto Electric Corporation, Syracuse, N. Y. Electric starting and lighting system for motor-vehicles. No. 1,247,649; Nov. 27; v. 244; p. 837.
- Doman, Albert E., Elbridge, assignor, by mesne assignments, to Dyneto Electric Corporation, Syracuse, N. Y. Motor-generator. No. 1,247,650; Nov. 27; v. 244; p. 838.
- Doman, Herman C., Oshkosh, Wis. Washing-machine mechanism. No. 1,223,774; Apr. 24; v. 237; p. 1074.
- Doman, Herman C., Oshkosh, Wis. Washing-machine mechanism. No. 1,240,426; Sept. 18; v. 242; p. 606.

- Doman, Lewis B., East Syracuse, assignor to Amphion Piano Player Company, Syracuse, N. Y. Pedal-action for self-playing musical instruments. No. 1,215,625; Feb. 13; v. 235; p. 437.
- Doman, Lewis B., East Syracuse, assignor to The Amphion Piano Player Company, Syracuse, N. Y. Music-sheet. No. 1,232,663; July 10; v. 240; p. 406.
- Doman, Lewis B., East Syracuse, N. Y., assignor to The Amphion Piano Player Company. Tension-regulating apparatus for pneumatic self-playing musical instruments. No. 1,232,664; July 10; v. 240; p. 407.
- Domek, Michael M., Ivanhoe, Minn. Snow-plow. No. 1,215,008; Feb. 6; v. 235; p. 187.
- Domeniconi, Albert S., San Anselmo, Cal. Cigarette-lighting case. No. 1,251,191; Dec. 25; v. 245; p. 927.
- Domestic Engine & Pump Co. (See Eberly, William M., assignor.)
- Domestic Talking Machine Corporation. (See Sheble and Kraemer, assignors.)
- Domestic Vacuum Cleaner Company. (See Smith and Blanch, assignors.)
- Domeyer, Louis, Jolon, Cal. Shoe. No. 1,232,010; July 3; v. 240; p. 159.
- Dominguez, Bernardo, Chicago, Ill. Remover for wheels or the like. No. 1,229,725; June 12; v. 239; p. 503.
- Dominguez, Salvador, San Antonio, Tex. Automobile-wheel. No. 1,225,789; May 15; v. 238; p. 672.
- Dominguez, Salvador, assignor to Mexico Power-Increasing Machine Co., San Antonio, Tex. Power mechanism. No. 1,227,593; May 29; v. 238; p. 1344.
- Dominicus, Cornelis, Jr., Goes, Netherlands. Resilient wheel for carriages. No. 1,245,092; Oct. 30; v. 243; p. 1269.
- Domke, John J., Greeley, Colo. Cement for stonework. No. 1,234,306; July 24; v. 240; p. 1012.
- Domoto, Takanoshin, San Francisco, Cal. Metallic container. No. 1,228,357; May 29; v. 238; p. 1602.
- Donadio, Prospero, Brooklyn, N. Y., assignor to F. Biffar, Chicago, Ill. Safety-lock for firearms. No. 1,227,531; May 22; v. 238; p. 1295.
- Donahoo, Michael J. (See Quincey, Sienknecht, and Donahoo.)
- Donahue, George A., Wilmington, Del. Nut-lock. No. 1,225,419; May 8; v. 238; p. 505.
- Donald-Hutchinson Patents Limited. (See Hutchinson, George, assignor.)
- Donald, Robert, London, England. Respirator. No. 1,229,050; June 5; v. 239; p. 226.
- Donald, Robert, Highgate Road, London, England. Storing microscope-slides. No. 1,241,354; Sept. 25; v. 242; p. 929.
- Donaldson, Charles, Brookville, Pa. Burner. No. 1,222,084; Apr. 10; v. 237; p. 408.
- Donaldson & Fisher Company. (See Fisher, Harvey L., assignor.)
- Donaldson, Margaret, assignor to Premier Manufacturing Company, Winchester, Ky. Underwaist. No. 1,210,773; Jan. 2; v. 234; p. 135.
- Donaldson, William A. (See De Vries, Harry, assignor.)
- Donaly, James L., Newark, N. J. Fishing-bait. No. 1,243,391; Oct. 16; v. 243; p. 680.
- Donavan, James E., Racine, Wis. Machine-protector. No. 1,218,244; Mar. 6; v. 236; p. 125.
- Doncaster, Vernon R., Orleans, Vt. Bottle-cap. No. 1,231,508; June 26; v. 239; p. 1172.
- Doncaster, William H., Brownington, Vt. Dinner-pail. No. 1,229,912; June 12; v. 239; p. 566.
- Doney, Charles L., Chula Vista, assignor of one-third to A. H. McCartney, San Diego, Cal. Kelp-harvester. No. 1,237,313; Aug. 21; v. 241; p. 644.
- Donges, George, Philadelphia, Pa. Grease-cup. No. 1,234,307; July 24; v. 240; p. 1012.
- Donham, Benjamin C., Glen Ridge, N. J., assignor to Spray Engineering Company, Boston, Mass. Compressed-air washer. No. 1,222,541; Apr. 10; v. 237; p. 572.
- Donisthorpe, Frederick R., and A. Coltman, county of Leicester, England. Shoe-collar. No. 1,229,913; June 12; v. 239; p. 566.
- Donk, Marlon G., Washington, D. C. Producing high-grade rosin from low-grade rosin. No. 1,219,413; Mar. 13; v. 236; p. 567.
- Donle, Harold P., Belmont, Mass., assignor to Connecticut Telephone & Electric Company, Meriden, Conn. Condenser. No. 1,240,958; Sept. 25; v. 242; p. 804.
- Donley Brothers Company, The. (See Donley, George W., assignor.)
- Donley, George W., assignor to The Donley Brothers Company, Cleveland, Ohio. Inwall garbage-receiver. No. 1,235,122; July 31; v. 240; p. 1502.
- Donley, George W., assignor to The Donley Brothers Company, Cleveland, Ohio. Package-receiver. No. 1,235,123; July 31; v. 240; p. 1303.
- Donnald, E. B. (See Myers, Bascomb J., assignor.)
- Donnell, Lloyd H., Syracuse, N. Y. Motor-vehicle. No. 1,241,355; Sept. 25; v. 242; p. 929.
- Donnelly, Edward F., assignor to Donnelly Manufacturing Company, Malden, Mass. Safety device to prevent the collapsing of hot-water boilers. No. 1,212,148; Jan. 9; v. 234; p. 642.
- Donnelly, Edward F., assignor to Donnelly Manufacturing Company, Malden, Mass. Relief-valve. No. 1,246,892; Nov. 20; v. 244; p. 590.
- Donnelly, George J., Oakland, Cal. Overshoe for horses. No. 1,228,358; May 29; v. 238; p. 1602.
- Donnelly, John, Branford, Conn. Scraping-tool. No. 1,217,922; Mar. 6; v. 236; p. 13.
- Donnelly, John A., New York, N. Y. Traverse-cord fastener. No. 1,215,126; Feb. 6; v. 235; p. 224.
- Donnelly, John R., Austin, Tex. Ceiling-plate. No. 1,230,385; June 19; v. 239; p. 758.
- Donnelly, John R., assignor to Wayne Process Company, Fort Wayne, Ind. Gas-producer. No. 1,214,657; Feb. 6; v. 235; p. 62.
- Donnelly, Joseph C., Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Match-machine. No. 1,236,687; Aug. 14; v. 241; p. 406.
- Donnelly, Joseph C., Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Machine for packing match-books, &c. No. 1,217,923; Mar. 6; v. 236; p. 13.
- Donnelly, Joseph C., and W. Roberts, Barberton, Ohio, assignors to The Diamond Match Company, Chicago, Ill. Match-machine. No. 1,236,688; Aug. 14; v. 241; p. 407.
- Donnelly, Joseph C., Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Box-filling machine. No. 1,248,465; Dec. 4; v. 245; p. 11.
- Donnelly Manufacturing Company. (See Donnelly, Edward F., assignor.)
- Donnelly, Norman S., Detroit, Mich. Arch-supporting shoe. No. 1,239,575; Sept. 11; v. 242; p. 302.
- Donnelly, William J., Marysville, Mont. Safety-razor blade and holder. No. 1,217,288; Feb. 27; v. 235; p. 1113.
- Donnelly, William T., Brooklyn, N. Y. Traction-gear. No. 1,212,462; Jan. 16; v. 234; p. 784.
- Donnelly, William T., Brooklyn, N. Y. Rendering ships unsinkable. No. 1,223,154; Apr. 17; v. 237; p. 825.
- Donnenwirth, John W., Akron, Ohio. Forming fabricated rubber articles. No. 1,226,481; May 15; v. 238; p. 906.
- Donner, John L., Oregon City, Ore., assignor to J. Brosnan, Jr., Washington, D. C. Explosive powder. No. 1,214,765; Feb. 6; v. 235; p. 99.
- Donner, John L., Oregon City, Ore., assignor to J. Brosnan, Jr., Washington, D. C. Explosive powder. No. 1,214,766; Feb. 6; v. 235; p. 99.
- Donner, Percy E. (See Finley, Walter A., assignor.)
- Donner, Percy E. (See Snyder, Jacob R., assignor.)
- Donning Carbureter Corporation. (See Donning, George W., assignor.)
- Donning Carbureter Corporation. (See Donning, George W., D. A., and H. B., assignors.)
- Donning, David A. (See Donning, George W., D. A., and H. B.)
- Donning, George W., Stamford, Conn. Internal-combustion engine. No. 1,237,311; Aug. 21; v. 241; p. 643.
- Donning, George W., Stamford, Conn. Internal-combustion engine. No. 1,237,312; Aug. 21; v. 241; p. 643.
- Donning, George W., Stamford, Conn. Carbureter. No. 1,246,727; Nov. 13; v. 244; p. 503.
- Donning, George W., Stamford, Conn., assignor to Donning Carbureter Corporation, Esopus, N. Y. Carbureter for internal-combustion motors. No. 1,242,926; Oct. 16; v. 243; p. 538.
- Donning, George W., D. A., and H. B., Stamford, Conn., assignors to Donning Carbureter Corporation, Esopus, N. Y. Carbureter. No. 1,233,763; July 17; v. 240; p. 800.
- Donning, Harry B. (See Donning, George W., D. A., and H. B.)
- Donofrio, Patsy, assignor to Perfection Cone Mfg. Co., Portland, Ore. Depositor. No. 1,216,665; Feb. 20; v. 235; p. 857.
- Donoho, Chris L. (See Mason and Donoho.)
- Donohue, James S., assignor of one-third to M. V. Moran and one-third to J. E. Moreland, Washington, D. C. Gas-main stopper. No. 1,224,721; May 1; v. 238; p. 216.
- Donovan, Daniel C., Haverhill, and A. Perri, Groveland, Mass., assignors to United Shoe Machinery Company, Paterson, N. J. Machine for pasting and inserting sock-linings of shoes. No. 1,235,191; July 31; v. 240; p. 1322.
- Donovan, Joseph T., and J. A. Tighe, Boston, Mass. Lever-locking means for motor-vehicles. No. 1,222,085; Apr. 10; v. 237; p. 409.
- Donovan, Patrick H. (See Turner and Donovan.)
- Dontje, Benjamin. (See Dontje, Emanuel C., B., and C. I.)
- Dontje, Cornelius I. (See Dontje, Emanuel C., B., and C. I.)
- Dontje, Emanuel C., B., and C. I., Kalamazoo, Mich. Universal joint. No. 1,224,286; May 1; v. 238; p. 62.
- Donze, Annie J., Kittanning, Pa. Top for milk-pails. No. 1,236,277; Aug. 7; v. 241; p. 240.
- Dooley, Clarence H., Rock Island, Ill. Planter. No. 1,215,626; Feb. 13; v. 235; p. 438.
- Dooley, Delmar D., Rock Island, assignor to Deere & Mansur Company, Moline, Ill. Seed-plate and agitator mechanism for planters. No. 1,215,627; Feb. 13; v. 235; p. 438.
- Dooley, Delmar D., Rock Island, assignor to Deere & Mansur Company, Moline, Ill. Valve mechanism for planters. No. 1,215,628; Feb. 13; v. 235; p. 438.
- Dooley, James H. (See De Camp, Burdick, and Dooley.)

Alphabetical list of patentees—Continued.

- Dooley, James H., East Orange, N. J., assignor to Addometer Corporation, New York, N. Y. Accumulator for calculators. No. 1,232,011; July 3; v. 240; p. 159.
- Dooley, James H., East Orange, N. J., assignor to De Camp and Sloan, Inc. Motor for phonographs. No. 1,246,401; Nov. 13; v. 244; p. 407.
- Dooley, James H., East Orange, N. J., assignor to De Camp and Sloan, Inc. Silent pawl for phonographs. No. 1,246,402; Nov. 13; v. 244; p. 407.
- Dooley, James P., assignor to Wright Wire Company, Worcester, Mass. Continuous-wire-drawing machinery. No. 1,212,919; Jan. 16; v. 234; p. 944.
- Dooley, James P., assignor to Wright Wire Company, Worcester, Mass. Continuous wire-drawing machinery. No. 1,227,532; May 22; v. 238; p. 1295.
- Doolittle, Orson W., Glenside, Pa. Lubricator. No. 1,221,795; Apr. 3; v. 237; p. 275.
- Doolittle, Robert L., et al. (See Dickert, Curtis L., assignor.)
- Doolittle, William E., New Britain, Conn. Safety watch-guard. No. 1,212,920; Jan. 16; v. 234; p. 944.
- Doolittle, William W., assignor to Crane Company, Chicago, Ill. Taper-finishing metallic bodies. No. 1,213,165; Jan. 23; v. 234; p. 1063.
- Doolittle, William W., assignor to Crane Company, Chicago, Ill. Furnace apparatus. No. 1,216,090; Feb. 13; v. 235; p. 604.
- Doolittle, William W., assignor to Crane Company, Chicago, Ill. Taper-finishing machine. No. 1,223,571; Apr. 24; v. 237; p. 1000.
- Dopkins, George W., Morris, Minn. Automatic air-pump. No. 1,221,295; Apr. 3; v. 237; p. 104.
- Döppenschmitt, Friedrich, Pforzheim, Germany. Chain fabric. No. 1,246,893; Nov. 20; v. 244; p. 590.
- Dopyera, John and R., assignors of one-third to P. Beracka, Los Angeles, Cal. Machine for making picture-frames and the like. No. 1,218,842; Mar. 13; v. 236; p. 372.
- Dopyera, Rudolph. (See Dopyera, John and R.)
- Doran, Albert P., Chicago, Ill. Oil-burner. No. 1,212,613; Jan. 16; v. 234; p. 837.
- Doran, George F., Omaha, Nebr. Curing meats. No. 1,212,614; Jan. 16; v. 234; p. 838.
- Doran, James T., West New York, N. J. Barrel-clamp for followers. No. 1,249,046; Dec. 4; v. 245; p. 179.
- Doran, Justin R., Beaver, Iowa. Armor for soldiers. No. 1,212,463; Jan. 16; v. 234; p. 784.
- Dorau, John P., Jefferson, Wis. Washing-machine. No. 1,215,501; Feb. 13; v. 235; p. 390.
- Dorau, John P., Jefferson, Wis. Driving mechanism. No. 1,215,502; Feb. 13; v. 235; p. 390.
- Dorau, John P., Jefferson, Wis. Driving mechanism for washing-machines. No. 1,215,503; Feb. 13; v. 235; p. 390.
- Dorber, Henry, Brooklyn, N. Y. Game. No. 1,216,091; Feb. 13; v. 235; p. 604.
- Dore, Frank M., Helena, Mont. Innersole-leveling knife. No. 1,211,555; Jan. 9; v. 234; p. 438.
- Dore, Frank M., Helena, Mont. Sandpaper-cutter for breasting-wheels. No. 1,211,556; Jan. 9; v. 234; p. 438.
- Dore, Frank M., Helena, Mont. Roller-skate. No. 1,211,557; Jan. 9; v. 234; p. 439.
- Doré, Wilfrid, St. Stanislas des Deux Rivières, Champlain, Quebec, Canada. Rifle. No. 1,216,785; Feb. 20; v. 235; p. 899.
- Doremus, Charles A., New York, N. Y., assignor of one-half to J. S. Hoyt, Darien, Conn. Reducing aluminium hydrate. No. 1,215,351; Feb. 13; v. 235; p. 337.
- Doremus, Charles A., New York, N. Y., assignor of one-half to J. S. Hoyt, Darien, Conn. Obtaining aluminium fluoride. No. 1,237,488; Aug. 21; v. 241; p. 699.
- Dorer, Emma K., New York, N. Y. Educational game. No. 1,210,614; Jan. 2; v. 234; p. 81.
- Dorey, George B. (See Hopkins, Frank H., assignor.)
- Dorey, George B., Montreal, Quebec, Canada, assignor to Rodger Ballast Car Company, Chicago, Ill. Door locking and releasing mechanism. No. 1,214,285; Jan. 30; v. 234; p. 1480.
- Dorgan, William J., Grantwood, N. J. Current-lock for automobiles. No. 1,217,719; Feb. 27; v. 235; p. 1266.
- Dorgeloh, George H., Schenectady, N. Y., assignor to General Electric Company. Liquid rheostat. No. 1,233,852; July 17; v. 240; p. 830.
- Dorl, Walter P., Detroit, Mich. Vehicle-top. No. 1,211,107; Jan. 2; v. 234; p. 251.
- Dorman, Arch L., Cuba, Kans. Oil-burner. No. 1,219,381; Mar. 13; v. 236; p. 557.
- Dorman, Edgar P. (See Glidden, Dorman, and Finch.)
- Dorman, George M., St. Joseph, Mo. Animal anesthetic apparatus. No. 1,239,576; Sept. 11; v. 242; p. 302.
- Dorman, Morris, Baltimore, Md. Lime-slaking machine. No. 1,228,190; May 29; v. 238; p. 1546.
- Dorman, William T. (See Murray and Dorman.)
- Dormandy, Curtis W., Troy, assignor to William Barker Company, Watervliet, N. Y. Soft fold-collar. No. 1,231,719; July 3; v. 240; p. 63.
- Dormandy, Garry J., Troy, N. Y. Folding-machine. No. 1,216,293; Feb. 20; v. 235; p. 727.
- Dorment, Frank C., assignor to The Volto Company, Cleveland, Ohio. Volatillzer. No. 1,231,862; July 3; v. 240; p. 110.
- Dorment, Frank C., Detroit, Mich., assignor, by mesne assignments, to The Volto Company, Cleveland, Ohio. Electric air-mediator, (capillary-action type.) No. 1,246,247; Nov. 13; v. 244; p. 360.
- Dorn-Cloney Laundry and Dry Cleaning Co. (See Tow, James O., assignor.)
- Dorn, Milton W., Telford, Pa. Overshoe-retainer. No. 1,235,124; July 31; v. 240; p. 1303.
- Dornan, James, Dalnair, Scotland. Water-tube steam-generator with superheater. No. 1,241,356; Sept. 25; v. 242; p. 929.
- Dornfeld, John F., Chicago, Ill. Clutch. No. 1,233,561; July 17; v. 240; p. 736.
- Dornier, Claude, assignor to Luftschiffbau Zeppelin, G. m. b. H., Friedrichshafen, Germany. Rotatable airship-shed. No. 1,241,720; Oct. 2; v. 243; p. 81.
- Dornin, George A., Baltimore, Md. Ingot-mold. No. 1,210,774; Jan. 2; v. 234; p. 136.
- Dornin, George A., Baltimore, Md. Ingot-mold. No. 1,223,775; Apr. 24; v. 237; p. 1074.
- Dorr Company, The. (See Blomfield, Alfred L., assignor.)
- Dorr Company, The. (See Russell, William, assignor.)
- Dorr, John V., Denver, Colo. Apparatus for thickening and agitating pulp. No. 1,211,828; Jan. 9; v. 234; p. 532.
- Dorrictott, Charles W., assignor to Electrelle Company, Philadelphia, Pa. Electric self-playing grand piano. No. 1,213,166; Jan. 23; v. 234; p. 1063.
- Dorsch, Otto H., Brooklyn, N. Y. Brush. No. 1,216,666; Feb. 20; v. 235; p. 858.
- Dorsey, Adolphus A., Newport, Nebr. Dividing-board for mowing-machines. No. 1,221,980; Apr. 10; v. 237; p. 374.
- Dorsey, Charles J., Baltimore, Md. Toy animal. No. 1,240,181; Sept. 18; v. 242; p. 528.
- Dorsey, Farnum F. (See Hableib and Dorsey.)
- Dorsey, Farnum F., Rochester, N. Y. Safety-razor. No. 1,230,833; June 19; v. 239; p. 906.
- Dorsey, Farnum F., Winchester, Mass. Safety-razor. No. 1,239,577; Sept. 11; v. 242; p. 302.
- Dorsey, Frank M., and H. D. Blake, Cleveland, Ohio, assignors to General Electric Company. Incandescent lamp. No. 1,250,815; Dec. 18; v. 245; p. 767.
- Dorsey, George, Seattle, Wash. Telephone-mouthpiece. No. 1,244,433; Oct. 23; v. 243; p. 1031.
- Dorsey, Farmer, Hutchinson, Kans. Signaling device. No. 1,226,755; May 22; v. 238; p. 1034.
- Dorsey, Walter A., assignor to The Bonney-Floyd Company, Columbus, Ohio. Mounting for wheels and axles of mine-cars. No. 1,215,629; Feb. 13; v. 235; p. 440.
- Dorsey, Walter A., assignor to The Bonney-Floyd Company, Columbus, Ohio. Mounting for wheels and axles of mine-cars. No. 1,215,630; Feb. 13; v. 235; p. 439.
- Dorsey, Walter A., assignor to The Bonney-Floyd Company, Columbus, Ohio. Mounting for wheels and axles of mine-cars. No. 1,215,631; Feb. 13; v. 235; p. 440.
- Dorsey, Walter A., assignor to The Bonney-Floyd Company, Columbus, Ohio. Wheel-mounting for mine-cars. No. 1,215,632; Feb. 13; v. 235; p. 440.
- Dorsey, Walter A., assignor to The Bonney-Floyd Company, Columbus, Ohio. Two-wheeled truck. No. 1,215,633; Feb. 13; v. 235; p. 440.
- Dorsey, Walter A., assignor to The Bonney-Floyd Company, Columbus, Ohio. Car-mover. No. 1,215,634; Feb. 13; v. 235; p. 441.
- Dortch, Henry A., Des Moines, Iowa. Spark-plug. No. 1,216,092; Feb. 13; v. 235; p. 605.
- Dorval, Wilbrod, Montreal, Quebec, Canada. Filter. No. 1,247,241; Nov. 20; v. 244; p. 690.
- Dosch, Charles R. (See Dosch, Peter and C. R.)
- Dosch, Oliver L., and A. A. Ackerman, Jr., Elizabeth, N. J., assignors to The Singer Manufacturing Company. Power-transmitter. No. 1,250,438; Dec. 18; v. 245; p. 655.
- Dosch, Peter and C. R., Stratford, Conn. Clamping appliance. No. 1,214,521; Feb. 6; v. 235; p. 13.
- Doss, Noble C., Rome, Ga. Self-healing inner tube. No. 1,234,144; July 24; v. 240; p. 959.
- Dossert, John J. (See Bissell and Dossert.)
- Dossert, John J. (See Hills and Dossert.)
- Dossert, John J., and G. L. Stewart, assignors to Crouse-Hinds Company, Syracuse, N. Y. Porch-light. No. 1,235,665; Aug. 7; v. 241; p. 43.
- Dossey, William J., Glasgow, Ky. Rotary tooth-brush. No. 1,226,482; May 15; v. 238; p. 906.
- Dost, Frederick W., Vallejo, Cal. Aeroplane-hangar door. No. 1,250,992; Dec. 25; v. 245; p. 870.
- Dostal, John R., Milwaukee, Wis. Bottle-washer. No. 1,227,594; May 29; v. 238; p. 1344.
- Dostert, Auguste J., assignor of one-half to J. P. Tremblay, Winnipeg, Manitoba, Canada. Convertible table. No. 1,214,019; Jan. 30; v. 234; p. 1388.
- Doti, Giuseppe, Corona, N. Y. Beer-pipe cleaner. No. 1,246,803; Nov. 13; v. 244; p. 527.
- Dotson, Viola E., Lenox, Iowa. Loading and unloading chute. No. 1,221,156; Apr. 3; v. 237; p. 54.
- Dotli, Joseph, assignor to The Dotli Manufacturing Company, Madison, Wis. Spring and frame supporter for motor-vehicles. No. 1,225,115; May 8; v. 238; p. 401.
- Dotli, Joseph, assignor, by mesne assignments, to The Dotli Manufacturing Company, Madison, Wis. Spring and frame supporter for motor-cars. (Reissue.) No. 14,324; June 26; v. 239; p. 1186.

- Dottl Manufacturing Company, The. (See Dottl, Joseph, assignor.)
- Dottl Manufacturing Company. (See Dottl, Joseph, assignor.) (Reissue.)
- Doty, John W., Brooklyn, N. Y., assignor to The Foundation Company. Joining caissons. No. 1,215,504; Feb. 13; v. 235; p. 391.
- Doty, William D., Streator, Ill. Air-purifying and ventilating device. No. 1,232,511; July 10; v. 240; p. 358.
- Doty, William D., assignor of one-half to M. W. Jack, Streator, Ill. Air-purifying and ventilating device. No. 1,219,811; Mar. 20; v. 236; p. 735.
- Doub, Talmage E., Rochelle, Ill. Railway-rail fastener. No. 1,218,379; Mar. 6; v. 236; p. 171.
- Double, Edward, Los Angeles, Cal. Oil-tight swivel. No. 1,210,615; Jan. 2; v. 234; p. 82.
- Double, Edward, Los Angeles, Cal. Rotary bit. No. 1,224,287; May 1; v. 238; p. 62.
- Doubleday, Villeroy C., London, England. Pneumatic gun and shell-firing device therefor. No. 1,245,093; Oct. 30; v. 243; p. 1269.
- Doubles, Malcolm C., Richmond, Va. Rain-coat. No. 1,236,689; Aug. 14; v. 241; p. 407.
- Doucette, Henry J., Yarmouth, Nova Scotia, Canada. Hat-card holder. No. 1,233,455; July 17; v. 240; p. 701.
- Doud, Benjamin M., Gillette, Wyo. Surgical appliance. No. 1,240,125; Sept. 11; v. 242; p. 472.
- Doud, E. H., *et al.* (See Leary, James I., assignor.)
- Doud, Giles B., Winona, Minn. Refrigerator. No. 1,248,288; Nov. 27; v. 244; p. 1021.
- Dougall, Homer A., Clarendon, Va. Box cutter and trimmer. No. 1,235,192; July 31; v. 240; p. 1322.
- Dougan, Kennedy, Minneapolis, Minn. Internal-combustion engine. No. 1,216,965; Feb. 20; v. 235; p. 958.
- Dougan, Kennedy, Minneapolis, Minn. Temperature-governor for fluids. No. 1,224,614; May 1; v. 238; p. 178.
- Dougan, Kennedy, Minneapolis, Minn. Traction-engine. No. 1,234,145; July 24; v. 240; p. 959.
- Dougan, Kennedy, Minneapolis, Minn. Hydraulic air-compressor. No. 1,249,921; Dec. 11; v. 245; p. 464.
- Dougherty, Glenn. (See Metcalf, Henry D., assignor.)
- Dougherty, John M., and H. C. Tabler, St. Louis, Mo. Relief-valve. No. 1,210,913; Jan. 2; v. 234; p. 185.
- Dougherty, John M., and H. C. Tabler, St. Louis, Mo. Automobile-lock. No. 1,210,914; Jan. 2; v. 234; p. 185.
- Dougherty, John P., Hazleton, Pa. Cooking utensil. No. 1,240,427; Sept. 18; v. 242; p. 607.
- Dougherty, Owen T., St. Paul, Minn. Railway-car truck. No. 1,226,756; May 22; v. 238; p. 1035.
- Dougherty, William H., David City, Nebr. Molding apparatus. No. 1,236,410; Aug. 14; v. 241; p. 314.
- Dougherty, William S., and W. H. Franklin, Montrose, Colo. Dish-washing machine. No. 1,217,576; Feb. 27; v. 235; p. 1216.
- Doughman, Valandingham, and L. D. Greenland, Mizpah, Minn. Lantern attachment. No. 1,250,102; Dec. 11; v. 245; p. 514.
- Doughty, Charles L., *et al.* (See White, Roy, assignor.)
- Doughty, Henry C. (See Nichols, Herbert B., assignor.)
- Doughty, Henry J., Providence, R. I., assignor to Doughty Tire Company, Portland, Me. Tire. No. 1,249,727; Dec. 11; v. 245; p. 406.
- Doughty, Herman W. (See Beach and Doughty.)
- Doughty, James K., *et al.* (See White, Roy, assignor.)
- Doughty Tire Company. (See Doughty, Henry J., assignor.)
- Doughty, William R., Wayland, N. Y. Railway-tie. No. 1,242,782; Oct. 9; v. 243; p. 458.
- Douglas, Charles E., assignor to The John Douglas Company, Cincinnati, Ohio. Means for securing floats to their mounting-rods. No. 1,214,020; Jan. 30; v. 234; p. 1389.
- Douglas, Charles E., Richmond, Ky. Combined soap and wash-rag holder. No. 1,233,993; July 17; v. 240; p. 875.
- Douglas, Charles H., Springfield, assignor to Douglas Saw & Machinery Company, Boston, Mass. Forming rivet ends of pivot-pins. No. 1,247,093; Nov. 20; v. 244; p. 646.
- Douglas, Dean C., Los Angeles, Cal. Railway-crossing. No. 1,238,005; Aug. 21; v. 241; p. 864.
- Douglas, Harry A., assignor to Douglas & Rudd Manufacturing Company, Bronson, Mich. Connector. No. 1,217,924; Mar. 6; v. 236; p. 14.
- Douglas, Harry A., assignor to Douglas & Rudd Mfg. Co., Bronson, Mich. Cowl-lamp. No. 1,217,925; Mar. 6; v. 236; p. 14.
- Douglas, Harry A., assignor to Douglas & Rudd Mfg. Co., Bronson, Mich. Circuit-connector. No. 1,220,139; Mar. 20; v. 236; p. 853.
- Douglas, Harry A., assignor to Douglas & Rudd Mfg. Co., Bronson, Mich. Circuit-connector. No. 1,220,140; Mar. 20; v. 236; p. 854.
- Douglas, Harry A., assignor to Douglas & Rudd Mfg. Co., Bronson, Mich. Circuit-connector. No. 1,220,141; Mar. 20; v. 236; p. 854.
- Douglas, Harry A., assignor to Douglas & Rudd Manufacturing Company, Bronson, Mich. Electrical connector. No. 1,224,907; May 8; v. 238; p. 331.
- Douglas, Harry A., assignor to Douglas & Rudd Manufacturing Company, Bronson, Mich. Electrical connector. No. 1,224,908; May 8; v. 238; p. 331.
- Douglas, Harry A., assignor to Douglas & Rudd Mfg. Co., Bronson, Mich. Cowl-lamp. No. 1,236,552; Aug. 14; v. 241; p. 361.
- Douglas, Harry A., assignor to Douglas & Rudd Mfg. Co., Bronson, Mich. Circuit-connector. No. 1,236,553; Aug. 14; v. 241; p. 361.
- Douglas, Raiford W., Miami, Fla. Coupling for cables, &c. No. 1,243,493; Oct. 16; v. 243; p. 711.
- Douglas, Robert, Rochester, N. Y. Jelly-making product and producing same. No. 1,235,666; Aug. 7; v. 241; p. 43.
- Douglas & Rudd Manufacturing Company. (See Douglas, Harry A., assignor.)
- Douglas Saw & Machinery Company. (See Douglas, Charles H., assignor.)
- Douglas, Theodore, Scarborough, N. Y. Regulating device. No. 1,214,286; Jan. 30; v. 234; p. 1480.
- Douglas, Theodore, Scarborough, N. Y. Governor. No. 1,214,287; Jan. 30; v. 234; p. 1480.
- Douglas, Theodore, Scarborough, N. Y. Valve construction. No. 1,221,702; Apr. 3; v. 237; p. 243.
- Douglas, Theodore, Scarborough, N. Y. Regulating device. No. 1,238,113; Aug. 28; v. 241; p. 932.
- Douglas, Walter B., *et al.* (See Hawley, Royal A., assignor.)
- Douglas, William, Detroit, Mich. Retting vegetable stalks. No. 1,224,722; May 1; v. 238; p. 217.
- Douglas, William H., Belleville, N. J., assignor to Healy & Co., New York, N. Y. Auxiliary seat for automobiles. No. 1,211,108; Jan. 2; v. 234; p. 251.
- Douglas, William H., Belleville, N. J., assignor to Healy & Company, New York, N. Y. Clamp for wind-shields. No. 1,247,242; Nov. 20; v. 244; p. 690.
- Douglas, Z. A. (See Kelly, John B., assignor.)
- Douglass, Claud M., Richfield Springs, N. Y. Steering-wheel. No. 1,237,489; Aug. 21; v. 241; p. 700.
- Douglass, Esther R., Altoona, Pa. Toy block. No. 1,234,883; July 31; v. 240; p. 1227.
- Douglass, Samuel, assignor to W. Kromdyk, Jr., Kalamazoo, Mich. Universal joint. No. 1,222,268; Apr. 10; v. 237; p. 475.
- Douglass, Samuel F., Prairie du Rocher, Ill., assignor to Vehicle Signal Company. Vehicle-signal. No. 1,238,750; Sept. 4; v. 242; p. 10.
- Doujak, Maria, assignor of part interest to C. Heller, New York, N. Y. Wind-shield. No. 1,227,595; May 29; v. 238; p. 1345.
- Douse, Stephen B., Salina, Kans. Elevator-door-operating means. No. 1,243,924; Oct. 23; v. 243; p. 879.
- Dousel, Christian, Sunnyside, Utah. Bale and package tie. No. 1,242,156; Oct. 9; v. 243; p. 250.
- Douthat, John F., and S. J. Ellis, Memphis, Tenn.; said Douthat assignor to said Ellis. Compression-box. No. 1,247,941; Nov. 27; v. 244; p. 924.
- Douthitt, Albert G., Elkhart, Tex. Vehicle-wheel bearing. No. 1,245,094; Oct. 30; v. 243; p. 1270.
- Douthitt, Samuel, Centralia, Ill. Lock-nut. No. 1,220,207; Mar. 27; v. 236; p. 912.
- Douthitt, Frank H., Clinton, Iowa. Silo-roof. No. 1,240,182; Sept. 18; v. 242; p. 528.
- Douty, Clarence D., Altoona, Pa., assignor to McCord & Company, Chicago, Ill. Oil-feed-controlling mechanism. No. 1,219,812; Mar. 20; v. 236; p. 736.
- Dovel, Darley B., Pickerington, Ohio. Combined heater and muffler for motor-vehicles. No. 1,245,888; Nov. 6; v. 244; p. 226.
- Dover Stamping and Manufacturing Company. (See Whitney, Horace E., assignor.)
- Dow, Charles E. W., Dorchester, Mass. Fastener. No. 1,213,599; Jan. 23; v. 234; p. 1215.
- Dow Chemical Company. (See Barstow and Cavanagh, assignors.)
- Dow Chemical Company, The. (See Cone, Lee E. H., assignor.)
- Dow, Josiah, Philadelphia, Pa. Generating and utilizing motive fluid under pressure. No. 1,232,247; July 3; v. 240; p. 238.
- Dow, Josiah, Philadelphia, Pa. Generation of pressure. No. 1,237,877; Aug. 21; v. 241; p. 823.
- Dow, Josiah, Philadelphia, Pa. Rotary motor. No. 1,246,248; Nov. 13; v. 244; p. 360.
- Dow, Leon O., Malden, Mass. Milk-safe. No. 1,238,114; Aug. 28; v. 241; p. 933.
- Dow, Richard F., assignor to Pratt & Whitney Company, Hartford, Conn. Machine for taper-forming. No. 1,233,994; July 17; v. 240; p. 875.
- Dow, Roy B., assignor to Cochrane-Bly Company, Rochester, N. Y. Combined shaping and milling machinery. No. 1,221,844; Apr. 10; v. 237; p. 326.
- Dow Wire & Iron Works. (See Logan, William H., assignor.)
- Dowd, Bernard J., Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Platen-release mechanism. No. 1,247,383; Nov. 20; v. 244; p. 729.
- Dowd, Francis P., Waiau township, Amuri county, New Zealand. Moldboard-plow. No. 1,245,204; Nov. 6; v. 244; p. 19.
- Dowd, James E., Hiawatha, Utah. Reversible glove. No. 1,241,941; Oct. 2; v. 243; p. 151.
- Dowden, George B., Detroit, Mich. Vehicle-top. No. 1,247,243; Nov. 20; v. 244; p. 691.

Alphabetical list of patentees—Continued.

- Dowie, William, New York, N. Y. Self-closing container. No. 1,218,380; Mar. 6; v. 236; p. 171.
- Dowle, Frederick J., Trenton, assignor of one-half to E. H. Henderson, Parrsboro, Nova Scotia, Canada. Stilson wrench. No. 1,231,575; July 3; v. 240; p. 11.
- Dowling, Demsey L., Exmore, Va. Valve. No. 1,235,884; Aug. 7; v. 241; p. 116.
- Dowling, Francis J., New York, N. Y. Pincushion. No. 1,229,051; June 5; v. 239; p. 227.
- Dowling, Francis J., assignor of one-half to D. P. Conway, New York, N. Y. Swinging sanitary window-cupboard. No. 1,212,028; Jan. 9; v. 234; p. 602.
- Downes, Allan J., Croydon, assignor of one-half to J. Venning, London, England. Cut-out for electric instruments, glow-lamps, and the like. No. 1,217,720; Feb. 27; v. 235; p. 1266.
- Downes, Louis W., and R. C. Patton, assignors to D & W Fuse Company, Providence, R. I. Fuse. No. 1,214,903; Feb. 6; v. 235; p. 147.
- Downes, Louis W., and R. C. Patton, assignors to D & W Fuse Co., Providence, R. I. Magnetic chuck. No. 1,232,512; July 10; v. 240; p. 359.
- Downes, Louis W., and R. C. Patton, assignors to D & W Fuse Company, Providence, R. I. Fuse. No. 1,248,090; Nov. 27; v. 244; p. 964.
- Downes, Louis W., and R. C. Patton, assignors to D & W Fuse Company, Providence, R. I. Fuse. No. 1,248,091; Nov. 27; v. 244; p. 964.
- Downey Automatic Pin Setter Co. (See Downey, Richard F., assignor.)
- Downey, Clark H., West Point, Ga. Doll. No. 1,221,157; Apr. 3; v. 237; p. 54.
- Downey, Richard F., assignor of six-tenths to I. M. Lederer, Milwaukee, Wis. Cigar-banding machine. No. 1,221,424; Apr. 3; v. 237; p. 148.
- Downey, Richard F., assignor to Downey Automatic Pin Setter Co., Milwaukee, Wis. Overhead pin-setting mechanism. No. 1,231,863; July 3; v. 240; p. 110.
- Downey, Richard F., assignor to Downey Automatic Pin Setter Co., Milwaukee, Wis. Magnetically-controlled collecting mechanism. No. 1,231,864; July 3; v. 240; p. 110.
- Downey, Richard F., assignor to Badger-Packard Machinery Co., Milwaukee, Wis. Concrete-block carrier. No. 1,235,017; July 31; v. 240; p. 1271.
- Downey, Richard F., assignor to H. Loewenbach, Milwaukee, Wis. Folding-machine. No. 1,246,403; Nov. 13; v. 244; p. 407.
- Downey, Thomas F., Paterson, N. J. File and rasp cutting tool. No. 1,221,845; Apr. 10; v. 237; p. 326.
- Downey, William H. J., Wilmington, Del. Dimmer for automobile-lamps. No. 1,246,728; Nov. 13; v. 244; p. 504.
- Downie, Robert M., assignor to Keystone Driller Company, Beaver Falls, Pa. Excavator-bucket mounting. No. 1,228,654; June 5; v. 239; p. 94.
- Downie, Robert M., assignor to Keystone Driller Company, Beaver Falls, Pa. Excavator bucket or scoop. No. 1,237,878; Aug. 21; v. 241; p. 824.
- Downie, Robert M., assignor to Keystone Driller Company, Beaver Falls, Pa. Excavator bucket or shovel. No. 1,237,879; Aug. 21; v. 241; p. 824.
- Downing, Albert C., Milwaukee, Wis., assignor to Hummel & Downing Co., Milwaukee, Wis. Press. No. 1,242,531; Oct. 9; v. 243; p. 377.
- Downing, Arthur A., Toronto, Ontario, Canada. Floor-waxing device. No. 1,215,505; Feb. 13; v. 235; p. 391.
- Downing, Clark E., Waterloo, Iowa. Locking means for tug connections. No. 1,242,661; Oct. 9; v. 243; p. 420.
- Downing, Delia, administratrix. (See Downing, Thomas J. and E. J.)
- Downing, Edward, assignor to Hoover Spring Co., San Francisco, Cal. Automobile tire-rack. No. 1,233,324; July 17; v. 240; p. 656.
- Downing, Edward, assignor to Hoover Spring Co., San Francisco, Cal. Automobile tire-rack. No. 1,233,325; July 17; v. 240; p. 657.
- Downing, Eugene J. (See Downing, Thomas J. and E. J.)
- Downing, Ira S., Indianapolis, Ind. Emergency draft-gear. No. 1,228,005; May 29; v. 238; p. 1486.
- Downing, Philip B., Everett, Mass. Envelop-moistener. No. 1,243,595; Oct. 16; v. 243; p. 740.
- Downing, Thomas J., deceased, and E. J., New York, N. Y.; D. Downing administratrix. Signaling device for automobiles. No. 1,242,896; Oct. 9; v. 243; p. 494.
- Downing, William C., Chicago, Ill. Combination ticket-punch. No. 1,233,456; July 17; v. 240; p. 701.
- Downs, Arthur K., Portland, Oreg. Optician's pupillary pliers. No. 1,223,679; Apr. 24; v. 237; p. 1040.
- Downs, Benjamin M., Buffalo, and W. S. Cook, Lackawanna, N. Y. Electric-trolley-railway signal system. No. 1,214,440; Jan. 30; v. 234; p. 1531.
- Downs, Clarence W. (See Ceibolt and Downs.)
- Downs, David G., assignor of one-half to G. E. Groves, Estherville, Iowa. Projectile. No. 1,229,421; June 12; v. 239; p. 402.
- Downs, George F., Buffalo, N. Y. Treating ores. No. 1,216,667; Feb. 20; v. 235; p. 858.
- Downs, George F., Buffalo, N. Y. Cleaning device for rotary kilns. No. 1,220,827; Mar. 27; v. 236; p. 1128.
- Downs, George F., Buffalo, N. Y. Coating molds for metal ingots. No. 1,243,717; Oct. 23; v. 243; p. 813.
- Downs, George F., Buffalo, N. Y. Apparatus for coating metal-ingot molds. No. 1,243,718; Oct. 23; v. 243; p. 813.
- Downs, Harry N. (See McMeekin and Downs.)
- Downs, James L., New York, N. Y. Jack-operating attachment. No. 1,244,964; Oct. 30; v. 243; p. 1230.
- Downs, Willard P., Bay Shore, N. Y. Tire valve and signal. No. 1,236,411; Aug. 14; v. 241; p. 314.
- Doyle, Conroy W., and C. F. Rothwell, Columbus, Mont. Tire-tool. No. 1,238,649; Aug. 28; v. 241; p. 1107.
- Doyle, Francis A., Chicago, Ill. Wheel-rim. No. 1,249,922; Dec. 11; v. 245; p. 465.
- Doyle, James E., assignor of one-half to C. S. Britton, Cleveland, Ohio. Printing-press appliance. No. 1,222,742; Apr. 17; v. 237; p. 683.
- Doyle, James E., assignor of one-half to C. S. Britton, Cleveland, Ohio. Printing-press appliance. No. 1,222,743; Apr. 17; v. 237; p. 684.
- Doyle, James E., assignor of one-half to C. S. Britton, Cleveland, Ohio. Saddle construction. No. 1,222,744; Apr. 17; v. 237; p. 684.
- Doyle, James E., assignor of one-half to C. S. Britton, Cleveland, Ohio. Inking-plate heater. No. 1,222,745; Apr. 17; v. 237; p. 684.
- Doyle, James E., assignor of one-half to C. S. Britton, Cleveland, Ohio. Means for preventing offset in printing. No. 1,222,746; Apr. 17; v. 237; p. 685.
- Doyle, James E., assignor of one-half to C. S. Britton, Cleveland, Ohio. Ink-supply contrivance. No. 1,222,747; Apr. 17; v. 237; p. 685.
- Doyle, James J. (See Liewellyn and Doyle.)
- Doyle, James S. (See Hedley and Doyle.)
- Doyle, James S., Mount Vernon, and F. Hedley, Yonkers, N. Y., assignors to The Westinghouse Air Brake Company, Pittsburgh, Pa. Combined car, train-pipe, and electric coupling. No. 1,216,294; Feb. 20; v. 235; p. 727.
- Doyle, James S., Mount Vernon, and F. Hedley, Yonkers, N. Y., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Combined car and train-pipe coupling. No. 1,216,295; Feb. 20; v. 235; p. 728.
- Doyle, John, Hoboken, N. J. Rug-holder. No. 1,224,615; May 1; v. 238; p. 179.
- Doyle, John F., Jr., Garden City, and M. D. Avillar, New York, N. Y., assignors to Globe Efficiency Corporation. Flushing apparatus. No. 1,234,643; July 24; v. 240; p. 1120.
- Doyle, John F., Jr., Garden City, and M. D. Avillar, New York, N. Y. Show-case light. No. 1,241,093; Sept. 25; v. 242; p. 847.
- Doyle, John F., Jr., Garden City, and M. D. Avillar, New York, N. Y. Safety-pin. No. 1,245,205; Nov. 6; v. 244; p. 19.
- Doyle, Phillip, Somerville, Mass. Removable drive-calk for horseshoes. No. 1,216,093; Feb. 13; v. 235; p. 605.
- Doyle, Thomas F., Santa Ana, Cal. Cattle loading and unloading device. No. 1,235,125; July 31; v. 240; p. 1303.
- Doyle, William J., Rome, N. Y. Bicycle-stand lock. No. 1,218,843; Mar. 13; v. 236; p. 372.
- Dozier, James C., and J. L. Walker, Baton Rouge, La. Machine for slitting veneer. No. 1,234,884; July 31; v. 240; p. 1227.
- Dozier, Robert L., and E. C. Herron, Broken Bow, Okla. Shampooing attachment. No. 1,244,715; Oct. 30; v. 243; p. 1156.
- Dr. Miles Medical Company, The. (See Sassenhoff, Ernesto, assignor.)
- Drader, Charles, and R. R. Candee, Bakersfield, Cal. Appliance for forming a non-leak joint. No. 1,217,859; Feb. 27; v. 235; p. 1313.
- Drader, Charles, and R. R. Candee, Bakersfield, Cal. Non-leak anchor means for supporting liner-pump working barrels. No. 1,243,821; Oct. 23; v. 243; p. 848.
- Drägerwerk, Heintz. and Bernh. Dräger. (See Morris and Luchs, assignors.)
- Drägerwerk, Heintz. & Bernh. Dräger. (See Stelzner, Hermann, assignor.)
- Dragoo, Dickman D. (See Dragoo, James A. and D. D.)
- Dragoo, James A. and D. D., Connersville, Ind. Vaccinating-table. No. 1,218,381; Mar. 6; v. 236; p. 172.
- Drake, A. M. (See Williams, Roy P., assignor.)
- Drake, Alden M. (See Heald and Drake.)
- Drake, Alden M., assignor to Heald Machine Company, Worcester, Mass. Magnetic chuck and casing. No. 1,213,167; Jan. 23; v. 234; p. 1063.
- Drake, Alden M., assignor to Heald Machine Company, Worcester, Mass. Table driving and feeding mechanism for grinding-machines. No. 1,223,155; Apr. 17; v. 237; p. 825.
- Drake, Alden M., assignor to Heald Machine Company, Worcester, Mass. Feed mechanism for grinding-machines. No. 1,231,720; July 3; v. 240; p. 63.
- Draper, Clare H., and J. Northrop, Hopedale, assignors to Hopedale Manufacturing Company, Milford, Mass. Filling-feeler mechanism. No. 1,249,047; Dec. 4; v. 245; p. 179.
- Draper, Clare H., and J. Northrop, Hopedale, assignors to Hopedale Manufacturing Company, Milford, Mass. Filling-feeler for looms. No. 1,249,276; Dec. 4; v. 245; p. 245.
- Draper, Clare H., and J. Northrop, assignors to Hopedale Manufacturing Company, Hopedale, Mass. Filling-feeler mechanism. No. 1,249,277; Dec. 4; v. 245; p. 245.

- Drake, Clarence E., Union, N. Y. Door-holder. No. 1,241,099; Sept. 25; v. 242; p. 848.
- Drake, Dix D., Buffalo, N. Y. Mortar-gage. No. 1,241,611; Oct. 2; v. 243; p. 47.
- Drake, George W., South Euclid, Ohio, assignor, by mesne assignments, to G. W. Bowen, Auburn, N. Y. Mechanism for feeding blanks. No. 1,218,987; Mar. 13; v. 236; p. 422.
- Drake, Harry M., Denver, Colo. Garment-stretcher. No. 1,210,915; Jan. 2; v. 234; p. 186.
- Drake, Jerry H., Thomasville, Ga. Packing for automobile and other axles. No. 1,237,880; Aug. 21; v. 241; p. 824.
- Drake, John T. H., Altamont, Mo. Wire-stretcher. No. 1,248,289; Nov. 27; v. 244; p. 1022.
- Drake, Joseph E., Blue Rapids, Kans. Automatic hen's nest. No. 1,217,721; Feb. 27; v. 235; p. 1266.
- Drake, Lewis R. (See Smith, Walter S., assignor.)
- Drake, Marshall D., Crestwood, Ky. Hover. No. 1,227,401; May 22; v. 238; p. 1251.
- Drake, Marshall D., Crestwood, Ky. Crate. No. 1,232,665; July 10; v. 240; p. 407.
- Drake, Richard, assignor to J. F. Sugden, Racine, Wis. Dispensing device. No. 1,224,082; Apr. 24; v. 237; p. 1177.
- Draper, Charles E., Larrabee, Iowa. Hose-coupling. No. 1,240,183; Sept. 18; v. 242; p. 528.
- Draper Company. (See Northrop, Jonas, assignor.) (Re-issue.)
- Draper Corporation. (See Aumann, Louis A., assignor.)
- Draper Corporation. (See Baker, William H., assignor.)
- Draper Corporation. (See Ballou, Eugene H., assignor.)
- Draper Corporation. (See Bentley, Alfred F., assignor.)
- Draper Corporation. (See Burbank, Louis S., assignor.)
- Draper Corporation. (See Champoux, George, assignor.)
- Draper Corporation. (See Ferguson, Thomas, assignor.)
- Draper Corporation. (See Harris, George S., assignor.)
- Draper Corporation. (See Hawkins and Stickney, assignors.)
- Draper Corporation. (See Hebert, Ubald, assignor.)
- Draper Corporation. (See Hull, Alfred A., assignor.)
- Draper Corporation. (See Jameson, Robert, assignor.)
- Draper Corporation. (See Leonard, Harry A., assignor.)
- Draper Corporation. (See Lussier, Henry, assignor.)
- Draper Corporation. (See Nutting, Charles E., assignor.)
- Draper Corporation. (See Owen, Herbert W., assignor.)
- Draper Corporation. (See Rhoades, Alonzo E., assignor.)
- Draper Corporation. (See Roy, Edward D., assignor.)
- Draper Corporation. (See Snow, Isaac, assignor.)
- Draper Corporation. (See Stafford, Alfred E., assignor.)
- Draper Corporation. (See Stimpson, Edward S., assignor.)
- Draper Corporation. (See Tétu and Cutler, assignors.)
- Draper Corporation. (See Youngquist, Henry, assignor.)
- Draper Corporation. (See Youngquist, Henry W., assignor.)
- Draper, Daniel D., Lincoln, Nebr. Eyeglasses or spectacles. No. 1,230,136; June 19; v. 239; p. 675.
- Draper, David F., Georgetown, Tex. Metallic roof. No. 1,227,402; May 22; v. 238; p. 1251.
- Draper, Harold M., Richmond, Va. Broom-rack. No. 1,223,043; Apr. 17; v. 237; p. 786.
- Draper, John M., Manchester, England. Apparatus for separating substances of different specific gravities, such as fine coal or ores and the like. No. 1,210,916; Jan. 2; v. 234; p. 186.
- Draper Manufacturing Company, The. (See Draper, Thomas, assignor.)
- Draper, Thomas, assignor to The Draper Manufacturing Company, Port Huron, Mich. Tube-welding apparatus. No. 1,218,751; Mar. 13; v. 236; p. 338.
- Draper, William, Waverly township, Cheboygan county, and C. Johnson, Onaway, Mich. Railway-spike. No. 1,215,259; Feb. 6; v. 235; p. 271.
- Draver, Emil R., Richmond, Ind. Combined tire carrier and cover. No. 1,211,377; Jan. 2; v. 234; p. 341.
- Draver, Emil R., Richmond, Ind. Variable-speed mechanism. No. 1,215,506; Feb. 13; v. 235; p. 391.
- Draver, Emil R., Richmond, Ind. Shock-absorber for cantaliver-springs. No. 1,216,421; Feb. 20; v. 235; p. 774.
- Draver, Emil R., Richmond, Ind. Vulcanizing-tool. No. 1,218,245; Mar. 6; v. 236; p. 125.
- Dreffein, Henry A., Chicago, Ill. Gas-producer. No. 1,243,822; Oct. 23; v. 243; p. 848.
- Dreher, Phillip J., Toledo, Ohio. Operating means for reciprocatory elements. No. 1,233,326; July 17; v. 240; p. 657.
- Dreher, Phillip J., Toledo, Ohio. Operating means for reciprocatory elements. No. 1,233,327; July 17; v. 240; p. 657.
- Dreher, Phillip J., Toledo, Ohio. Operating means for reciprocatory elements. No. 1,233,328; July 17; v. 240; p. 658.
- Dröier, Dominick, Livingston, Mont. Heating plant. No. 1,235,126; July 31; v. 240; p. 1303.
- Dreilick, Axel C. G., Gottenborg, Sweden, assignor to E. J. Ohnell, trustee. Chart or map holder. No. 1,249,352; Dec. 11; v. 245; p. 298.
- Dreisbach, Charles A., New Haven, Conn. Pulverizer. No. 1,238,115; Aug. 28; v. 241; p. 933.
- Dreman, Edward F., Cleveland, Ohio. Cushion-tired wheel. No. 1,236,412; Aug. 14; v. 241; p. 315.
- Dremel, Albert J., Racine, Wis. Hose-clamp. No. 1,221,425; Apr. 3; v. 237; p. 148.
- Drendell Electrical and Manufacturing Company. (See Siebenhauer, Lester, assignor.)
- Drestrup, Gerhard A., and H. Cramer, Garrett, Ind. Farm-gate. No. 1,237,881; Aug. 21; v. 241; p. 825.
- Dressel, Charles, Brooklyn, N. Y. Table attachment for beds. No. 1,221,296; Apr. 3; v. 237; p. 104.
- Dresses, Henry, Cincinnati, Ohio. Drilling-machine. No. 1,230,386; June 19; v. 239; p. 758.
- Dresses, Henry, Cincinnati, Ohio. Feeding mechanism in metal-working machinery. No. 1,231,721; July 3; v. 240; p. 63.
- Dresher, Andrew, Wapakoneta, Ohio. Rowboat-propeller. No. 1,246,729; Nov. 13; v. 244; p. 504.
- Dresher, Samuel S., Omaha, Nebr. Dry-cleaning fume-extractor. No. 1,240,323; Sept. 18; v. 242; p. 574.
- Dresp, John P., assignor to Beatrice Steel Tank Manufacturing Company, Beatrice, Nebr. Metallic corner-shield. No. 1,211,109; Jan. 2; v. 234; p. 251.
- Dressel, Frederick W., New York, N. Y., assignor to The Dressel Railway Lamp Works. Headlight. No. 1,221,007; Mar. 27; v. 236; p. 1186.
- Dressel, Frederick W., New York, N. Y., J. Dawans, Lyndhurst, N. J., and G. Eklund, assignors to The Dressel Railway Lamp Works, New York, N. Y. Long-time burner. No. 1,230,137; June 19; v. 239; p. 679.
- Dressel, Herman. (See Robbins and Dressel.)
- Dressel, Oskar. (See Heymann, Kothe, Dressel, and Ossenbeck.)
- Dressel Railway Lamp Works, The. (See Black, Robert, assignor.)
- Dressel Railway Lamp Works, The. (See Chidley, Joseph, assignor.)
- Dressel Railway Lamp Works, The. (See Davis, Charles E., assignor.)
- Dressel Railway Lamp Works, The. (See Dressel, Frederick W., assignor.)
- Dressel Railway Lamp Works, The. (See Dressel, Dawans, and Eklund, assignors.)
- Dressel, Warren E., Edwardsville, Ill. Carbide-feeding mechanism for gas-generators. No. 1,218,844; Mar. 13; v. 236; p. 373.
- Dressel, Warren E., Edwardsville, Ill. Relief device for acetylene-gas generators. No. 1,224,616; May 1; v. 238; p. 179.
- Dresser, Charles A. (See Walser and Dresser.)
- Dresser, Marcia W. (See Best, William N., assignor.)
- Dressler, Charles E. (See Cordts, George, assignor.)
- Dressler, Conrad, Marlow, England. Tunnel-kiln. No. 1,225,318; May 8; v. 238; p. 470.
- Dressler, John L., New York, N. Y. Carbureter. No. 1,214,767; Feb. 6; v. 235; p. 99.
- Dreux, Alexander H., assignor to F. N. Burt Company, Limited, Buffalo, N. Y. Shaping paper. No. 1,221,846; Apr. 10; v. 237; p. 326.
- Drew, Arthur, Buffalo, Wyo. Combined halter and bridle. No. 1,216,966; Feb. 20; v. 235; p. 959.
- Drew, Arthur, deceased; E. A. Osborne and S. Nield, executors, assignors of one-half to W. H. Osborne and one-half to E. A. Osborne, Wythall, England. Spring-fork for cycles, motor-cycles, and the like. No. 1,223,572; Apr. 24; v. 237; p. 1001.
- Drew, Arthur C., New Bedford, Mass. Journal-bearing. No. 1,223,482; Apr. 24; v. 237; p. 968.
- Drew, George W., Oakland, Cal. Slicing-machine. No. 1,242,881; Oct. 9; v. 243; p. 490.
- Drew, George W., Oakland, Cal. Fruit-slicing machine. No. 1,244,038; Oct. 23; v. 243; p. 913.
- Drew, Harry A., West New York, and G. M. Mazza, Weehawken, N. J., assignors to Coin Device & Signal Co., Inc. Coin-collecting apparatus. No. 1,227,403; May 22; v. 238; p. 1252.
- Drew, Herbert W., Chicago, Ill. Window-ventilator. No. 1,231,340; June 26; v. 239; p. 1117.
- Drew, Stephen C. (See Lanning and Drew.)
- Drew, Walter N., Watertown, Mass., assignor to Royal Typewriter Company, Inc., New York, N. Y. Card-guide for type-writing machines. No. 1,219,269; Mar. 13; v. 236; p. 517.
- Drewitz, Albert, Syracuse, N. Y. Fastener for receptacle-covers. No. 1,241,831; Oct. 2; v. 243; p. 116.
- Dreys, Gustav, New York, N. Y. Book-support. No. 1,245,206; Nov. 6; v. 244; p. 19.
- Dreysen, Viggo, Brooklyn, N. Y. Making fiber for paper, &c. No. 1,229,422; June 12; v. 239; p. 403.
- Drexelius, George M. (See Metz, Walter R., assignor.)
- Drey Automatic Glass Machine Company. (See Drey, Leo A., assignor.)
- Drey, Leo A., assignor to Drey Automatic Glass Machine Company, St. Louis, Mo. Drop-feeding device for glass-machines. No. 1,215,507; Feb. 13; v. 235; p. 392.
- Drey, Wilfred J., Carlisle, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for forming shoes. (Reissue.) No. 14,351; Sept. 11; v. 242; p. 486.
- Dreyfus, Henry, Basel, Switzerland. Process of treating cellulose acetates to alter the solubilities thereof and products of said process. No. 1,217,722; Feb. 27; v. 235; p. 1267.
- Dreyfus, Henry, Basel, Switzerland. Cellulose acetates and making same. (Reissue.) No. 14,338; July 31; v. 240; p. 1431.

Alphabetical list of patentees—Continued.

- Dreyfus, Henry, Basel, Switzerland. Celluloid substitute and making same. No. 1,242,783; Oct. 9; v. 243; p. 459.
- Dreyfus, Isaac. (See Beckers and Dreyfus.)
- Dreyfus, Max D., New York, N. Y. Stone-girdling tool. No. 1,244,716; Oct. 30; v. 243; p. 1156.
- Dreyfus, Sylvain, Denton, near Manchester, Lancaster, England. Apparatus for effecting the continuous concentration of sulfuric acid. No. 1,217,577; Feb. 27; v. 235; p. 1216.
- Dreymann, Carl, Baltimore, Md. Preparing oils and fats for hydrogenation. No. 1,228,888; June 5; v. 239; p. 175.
- Dreymann, Carl, Baltimore, Md. Tinning metal plates and other articles. No. 1,242,532; Oct. 9; v. 243; p. 378.
- Driesbach, Frank K. (See Lanier and Driesbach.)
- Driggs, Louis L., New York, N. Y. Apparatus for feeding cartridges to machine-guns. No. 1,224,366; May 1; v. 238; p. 90.
- Driggs, Louis L., New York, N. Y. Auto-limber. No. 1,230,687; June 19; v. 239; p. 859.
- Drinkhouse, Fred R. (See Parker, Ralph D., assignor.)
- Driscoll, Michael E., Somerville, N. J. Attachment for cutting figures on fabrics. No. 1,225,596; May 8; v. 238; p. 564.
- Driscoll, Michael F., West Springfield, Mass. Pipe-wrench. No. 1,223,680; Apr. 24; v. 237; p. 1040.
- Driscoll, Robert. (See Cahill, Thomas J., assignor.)
- Dritley, William, Chicago, Ill. Forming machine for plain upholstered seats. No. 1,224,909; May 8; v. 238; p. 332.
- Driver Harris Company. (See Henderson, John C., assignor.)
- Driver-Harris Wire Company. (See Henderson, John C., assignor.)
- Driver, J., et al. (See Hawley, Royal A., assignor.)
- Driver, Wilbur B., Newark, N. J. Material for electrical resistance and the like. No. 1,217,578; Feb. 27; v. 235; p. 1217.
- Drobac, Jovan, Lackawanna, N. Y. Railway-rail. No. 1,211,300; Jan. 2; v. 234; p. 317.
- Droitcour, Michael A., Delphos, Ohio. Shoo-fly for printing-presses. No. 1,216,668; Feb. 20; v. 235; p. 858.
- Droitcour, Michael A., Delphos, Ohio. Two-sheet stop-feed detector means. No. 1,218,988; Mar. 13; v. 236; p. 422.
- Droitcour, Michael A., Delphos, Ohio. Facing means for wear-surfaces. No. 1,245,324; Nov. 6; v. 244; p. 55.
- Drolet, Charles, Sr., assignor to Fels and Company, Philadelphia, Pa. Receptacle-filling machine. No. 1,228,416; June 5; v. 239; p. 14.
- Droll, Edward M., Minneapolis, Minn. Hair-ribbon fastener. No. 1,234,308; July 24; v. 240; p. 1012.
- Droll, Joseph W., Oakland, Cal. Nut-lock. No. 1,244,039; Oct. 23; v. 243; p. 913.
- Drosdowet, William, Zoria, Manitoba, Canada. Rocking-chair. No. 1,241,357; Sept. 25; v. 242; p. 930.
- Dross, Phillip, and F. D. McLean, Meridian, Miss. Column and base. No. 1,240,959; Sept. 25; v. 242; p. 804.
- Droste, August, Brooklyn, N. Y. Exposure-signal and alarm-guard. No. 1,242,157; Oct. 9; v. 243; p. 260.
- Drotar, Michael, et al. (See Jakob, Mike, assignor.)
- Drouet, E. Charles. (See Storck, Frederick W., assignor.)
- Droutledge, Henry, Auckland, New Zealand. Apparatus for milking cows. No. 1,236,413; Aug. 14; v. 241; p. 315.
- Drozdz, Wicenty, assignor of one-half to M. B. Barszczewski, Cleveland, Ohio. Spittoon-cleaner. No. 1,241,203; Sept. 25; v. 242; p. 880.
- Druckemiller, Alfred L., Great Falls, Mont. Framing-square. No. 1,240,035; Sept. 11; v. 242; p. 446.
- Druckemiller, Charles H., Clarendon, Va. Arch-support. No. 1,241,832; Oct. 2; v. 243; p. 116.
- Drucker and Boss Machine Manufacturing Company. (See Drucker, William J., assignor.)
- Drucker, William J., New York, N. Y., assignor to Drucker and Boss Machine Manufacturing Company. Mayonnaise-mixer. No. 1,240,688; Sept. 18; v. 242; p. 687.
- Druecker, Joseph M., Stone City, Iowa. Automatic dumping and righting mechanism for tiltable dump-cars. No. 1,228,540; June 5; v. 239; p. 57.
- Druitt, Percy W., and W. R. Gilpin, assignors to E. H. Allen and A. F. De Fonblanque, London, England. Justifying mechanism for typographic composing and casting machines. No. 1,233,995; July 17; v. 240; p. 876.
- Drumbeller, William P., Springfield, assignor to The William Carter Company, Needham Heights, Mass. Border-forming mechanism for fabrics. No. 1,215,919; Feb. 13; v. 235; p. 541.
- Drumbeller, William P., Springfield, assignor to The William Carter Company, Needham, Mass. Thread-controlling mechanism for sewing-machines. No. 1,234,094; July 17; v. 240; p. 906.
- Drumm, John B., Winslow, Ariz. Spring-roller. No. 1,228,803; May 29; v. 238; p. 1583.
- Drummond, Abraham E., Staunton, Va. Ladder extension. No. 1,251,192; Dec. 25; v. 245; p. 927.
- Drummond, James C., and F. Spuhel, Kansas City, Mo. Pneumatic tire. No. 1,233,853; July 17; v. 240; p. 830.
- Drummond, Joseph W., Chillicothe, Ohio. Demountable rim. No. 1,222,542; Apr. 10; v. 237; p. 572.
- Drummond, Josiah D., Hangerford, Tex. Planter attachment. No. 1,211,558; Jan. 9; v. 234; p. 439.
- Drury, Thomas C., Dublin, Ireland. Revolving bookcase. No. 1,224,083; Apr. 24; v. 237; p. 1178.
- Dry Milk Company, The. (See Dunham, Andrew A., assignor.)
- Dryden, Eli E., et al. (See White, Tillman, assignor.)
- Dryden, George B. (See Morris, Thomas W., assignor.)
- Du Boe, Dominique, New York, N. Y. Feed-bag. No. 1,220,502; Mar. 27; v. 236; p. 1016.
- Du Boe, Dominique, New York, N. Y. Oyster-clamp. No. 1,232,513; July 10; v. 240; p. 359.
- Du Boe, Dominique, New York, N. Y. Lemon-squeezer. No. 1,234,146; July 24; v. 240; p. 960.
- Du Bois, Clara P., New York, N. Y. Woven-wire mitten. No. 1,250,150; Dec. 18; v. 245; p. 568.
- Du Bois, Delafield, New York, N. Y., assignor to General Electric Company. Expansion-chamber for electrical apparatus. No. 1,227,404; May 22; v. 238; p. 1252.
- Du Bois, Francis C., San Jose, Cal. Coal-oil burner. No. 1,247,513; Nov. 20; v. 244; p. 767.
- Du Bois, Nelson, Long Beach, Cal. Radiator-cap. No. 1,223,156; Apr. 17; v. 237; p. 825.
- Du Bose, Andrew D., Memphis, Tenn. Billiard-cue. No. 1,248,634; Dec. 4; v. 245; p. 62.
- Du Bose, Daniel H., Guymon, Okla. Vehicle-body. No. 1,235,667; Aug. 7; v. 241; p. 44.
- Du Bosque, Francis L., Great Neck, assignor to The J. Edward Ogden Company, New York, N. Y. Ferry-bridge. (Reissue.) No. 14,313; June 5; v. 239; p. 284.
- Du Brul, Albert, Fort Thomas, Ky., assignor to The Miller, Du Brul and Peters Manufacturing Co., Cincinnati, Ohio. Cigarette-machine. No. 1,237,760; Aug. 21; v. 241; p. 788.
- Du Brul, Albert, deceased; F. G. Du Brul, executrix, Fort Thomas, Ky., assignor to The Miller, Du Brul & Peters Mfg. Co., Cincinnati, Ohio. Paper-reel brake. No. 1,242,927; Oct. 16; v. 243; p. 538.
- Du Brul, Ernest A., New York, N. Y. Dental appliance. No. 1,229,595; June 12; v. 239; p. 461.
- Du Brul, Frances G., executrix. (See Du Brul, Albert.)
- Du Brul, Napoleon, Cincinnati, Ohio. Rod-cutting device. No. 1,226,066; May 15; v. 238; p. 766.
- Du Grenier, Arthur H., and J. H. McPherson, Haverhill, Mass. Blade-vending machine. No. 1,231,243; June 26; v. 239; p. 1085.
- Du Pont, Alfred I., Wilmington, Del. Gate-opening apparatus. No. 1,246,567; Nov. 13; v. 244; p. 457.
- Du Pont, Eleuthere P., Wilmington, Del. Means for insuring the safe manipulation of explosives. No. 1,240,548; Sept. 18; v. 242; p. 644.
- Du Pont, Eleuthere P., Montchanin, Del. Clutch control for multipropeller motor-boats. No. 1,247,799; Nov. 27; v. 244; p. 884.
- Du Pont, Ernest, assignor to Ball Grain Explosives Company, Wilmington, Del. Finishing explosive powder. No. 1,240,549; Sept. 18; v. 242; p. 644.
- Du Pont, Francis I., assignor to Ball Grain Explosives Company, Wilmington, Del. Process of and apparatus for polishing explosive powder. No. 1,239,368; Sept. 4; v. 242; p. 207.
- Dubben, Andrew P., New York, N. Y. Serving-tray for lunch-chairs. No. 1,234,309; July 24; v. 240; p. 1013.
- Dubbs, Carbon P., Wilmette, Ill. Treating petroleum and other hydrocarbons. No. 1,231,509; June 26; v. 239; p. 1172.
- Dubé, George R., New Bedford, Mass. Door-lock. No. 1,221,703; Apr. 3; v. 237; p. 243.
- Dubé, Joseph E., assignor of one-half to H. L. Harris, Haverhill, Mass. Shoe. No. 1,249,923; Dec. 11; v. 245; p. 465.
- Dubi, Boris, Bridgeport, Conn., assignor to Rapid Button Attaching Machine Co., New York, N. Y. Button-feeding device. No. 1,217,926; Mar. 6; v. 236; p. 14.
- Dubiel, Franciszek, A. Jurkiewicz, and J. Sitko, Fort Wayne, Ind. Metallic tie and rail-fastener. No. 1,222,609; Apr. 17; v. 237; p. 636.
- Dubinsky, Simon, Bonne Terre, assignor of one-half to M. Broida, St. Louis, Mo. Safety-pocket for garments. No. 1,239,578; Sept. 11; v. 242; p. 302.
- Dubilier Condenser Co. (See Dubilier, Philip, assignor.)
- Dubilier Condenser Co. (See Dubilier, William, assignor.)
- Dubilier, Philip, New York, N. Y., assignor, by mesne assignments, to Dubilier Condenser Co., Inc. Electrical condenser. No. 1,229,914; June 12; v. 239; p. 567.
- Dubilier, William, New York, N. Y., assignor, by mesne assignments, to Dubilier Condenser Co., Inc. Electrical condenser. No. 1,229,915; June 12; v. 239; p. 567.
- Dubois, Henry J., assignor of one-half to B. E. Howard, Putnam, Conn. Antirattling gear. No. 1,240,126; Sept. 11; v. 242; p. 472.
- Dubois Watch Case Company. (See Ellis, Fred S., assignor.)
- Dubois, Joseph, Echo, Oreg. Shoe-stretcher. No. 1,248,290; Nov. 27; v. 244; p. 1022.
- Dubois Watch Case Company. (See Depollier, Charles L., assignor.)
- Ducas, George M., assignor of one-half to H. Gronager, Bridgeport, Conn. Automobile signaling device. No. 1,233,203; July 10; v. 240; p. 583.
- Duchemin, Peter R., Colfax, Wash. Selective speed-gearing. No. 1,248,635; Dec. 4; v. 245; p. 62.
- Ducher, Edwin, Jersey City, N. J. Moving-picture-film wiper. No. 1,221,704; Apr. 3; v. 237; p. 244.
- Duck, John J., Toledo, Ohio. Loom-fastener. No. 1,242,533; Oct. 9; v. 243; p. 378.

- Duckgeischel, Henry J., Chicago, Ill., assignor to S. D. Childs & Company. Vehicle name-plate. No. 1,250,151; Dec. 18; v. 245; p. 568.
- Duckham, Arthur M., Ashstead, England. Discharging vertical retorts. No. 1,211,301; Jan. 2; v. 234; p. 318.
- Duckham, Arthur M., Ashstead, England. Apparatus for discharging coke-hoppers or the like. No. 1,225,597; May 8; v. 238; p. 565.
- Ducret, Frank, and J. Daniel, Parkville, Mo., Scythensnath. No. 1,250,993; Dec. 25; v. 245; p. 870.
- Duckworth, Hansford C., Gassaway, W. Va. Nail-set. No. 1,246,070; Nov. 13; v. 244; p. 307.
- Duddell, William. (See Angold, Duddell, Dykes, Handcock, and Oliver.)
- Dudek, John, Campbell, Nebr. Road-drag. No. 1,239,366. Sept. 4; v. 242; p. 207.
- Dudley, Adolphus M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Induction-motor. No. 1,232,012; July 3; v. 240; p. 160.
- Dudley, Arthur W., Marlboro, Mass. Edge-guide attachment for sewing-machines. No. 1,223,860; Apr. 24; v. 237; p. 1103.
- Dudley, Charles J. (See Schmaus, Simon, assignor.)
- Dudley, Charles J., assignor to American District Steam Company, North Tonawanda, N. Y. Valve. No. 1,217,579; Feb. 27; v. 235; p. 1217.
- Dudley, Chester W., Boston, Mass. Bottle-cap. No. 1,239,261; Sept. 4; v. 242; p. 174.
- Dudley, Denver C. (See Brenne, Jurgens, and Dudley.)
- Dudley, Guilford H., and H. A. Siegrist, St. Louis, Mo. Vehicle-signal. No. 1,238,116; Aug. 28; v. 241; p. 933.
- Dudley, James M., Birmingham, Ala. Ruling attachment for type-writing machines. No. 1,247,514; Nov. 20; v. 244; p. 767.
- Dudley, Jb, Hamilton, Ontario, Canada. Hacksaw-machine. No. 1,216,669; Feb. 20; v. 235; p. 859.
- Dudley, John B., assignor of one-fourth to W. A. Atkinson and one-fourth to E. Knapp, Detroit, Mich. Water-heater. No. 1,244,183; Oct. 23; v. 243; p. 955.
- Dudley, John H. M., assignor to Rolfe & Maddock, New York, N. Y. Theatrical appliance. No. 1,230,877; June 26; v. 239; p. 960.
- Dudley, John Z., Lindale, assignor of one-half to C. E. Johnston, Dallas, Tex. Hay-press. No. 1,242,158; Oct. 9; v. 243; p. 260.
- Dudlo Manufacturing Company. (See Sykes, Leonard, assignor.)
- Duerr, Philip F., Alvo, Nebr. Self-cleaning currycomb. No. 1,226,757; May 22; v. 238; p. 1035.
- Duesenberg, August S. (See Duesenberg, Frederick S. and A. S.)
- Duesenberg, Frederick S. and A. S., Des Moines, Iowa. Valve-gear. No. 1,244,481; Oct. 30; v. 243; p. 1083.
- Dufek, Louis, Bremerton, Wash. Emergency-brake. No. 1,220,613; Mar. 27; v. 236; p. 1055.
- Duff, Auburn W. (See Young, Edward, assignor.)
- Duff, John W., Houston, Tex. Necktie-holder. No. 1,248,291; Nov. 27; v. 244; v. 1022.
- Duff Manufacturing Company, The. (See Hindman, Isaiah E., assignor.)
- Duff Manufacturing Company, The. (See Hindman and Freed, assignors.)
- Duff Manufacturing Company, The. (See McGinley, Thomas A., assignor.)
- Duffie, Daniel P., West New Brighton, N. Y. Non-skid attachment. No. 1,224,367; May 1; v. 238; p. 91.
- Duffie, John J., assignor to Vacuum Specialty Manufacturing Company, San Francisco, Cal. Vacuum cleaning apparatus. No. 1,230,827; June 19; v. 239; p. 904.
- Duffie, John J., Berkeley, assignor to Vacuum Specialty Manufacturing Company, San Francisco, Cal. Vacuum cleaning apparatus. No. 1,234,095; July 17; v. 240; p. 906.
- Duffield, Wayne G., Moline, Ill., assignor to The Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Hay-press. No. 1,224,288; May 1; v. 238; p. 63.
- Duffield, Wayne G., Moline, Ill., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Hay-stacker. No. 1,233,038; July 10; v. 240; p. 528.
- Duffy, Joseph J., assignor of one-half to G. W. Carleton, Brooklyn, N. Y. Aerial torpedo. No. 1,221,426; Apr. 3; v. 237; p. 149.
- Duffy, Thomas I., Chicago, Ill. Shock-absorber. No. 1,213,083; Jan. 16; v. 234; p. 1000.
- Duffy, Thomas I., Chicago, Ill. Spring suspension. No. 1,213,761; Jan. 23; v. 234; p. 1268.
- Dufot, Eugene, Paris, France. Trigger for firearms. No. 1,245,889; Nov. 6; v. 244; p. 226.
- Dufour, Léon, Geneva, Switzerland. Friction-coupling. No. 1,231,341; June 26; v. 239; p. 1117.
- Dufour, Léon, Geneva, Switzerland. Internal-combustion engine. No. 1,241,833; Oct. 2; v. 243; p. 117.
- Dufour, Marcel, *et al.* (See Chassaing, Eugene, assignor.)
- Dufresne, Francois, St. Laurent, Quebec, Canada. Sash-balance. No. 1,223,861; Apr. 24; v. 237; p. 1103.
- Duffy, Arthur, La Fayette, Ind. Flush-tank. No. 1,226,758; May 22; v. 238; p. 1035.
- Dugan, Cornelius A., Mount Vernon, N. Y. Seal for receptacles. No. 1,232,248; July 3; v. 240; p. 238.
- Dugan, Edward, *et al.* (See Allison, Jesse H., assignor.)
- Dugan, Edward J., and J. P. Pante, Memphis, Tenn. Reversing mechanism for internal-combustion engines. No. 1,237,314; Aug. 21; v. 241; p. 644.
- Dugan, Francis A., Brooklyn, N. Y. Manufacture of oxalates. No. 1,232,249; July 3; v. 240; p. 239.
- Dugan, Wm. M., *et al.* (See Ross, Albert, assignor.)
- Duganne, Charles G., Denver, Colo. Golf-tee. No. 1,216,094; Feb. 13; v. 235; p. 605.
- Duggan, Daniel J., Everett, assignor of one-half to S. Cropper, Lowell, Wash. Safety device for boilers. No. 1,247,244; Nov. 20; v. 244; p. 691.
- Duggan, Patrick G., *et al.* (See Bowen, Frank J., assignor.)
- Dugger, Jesse T., Chattanooga, Tenn. Refillable fuse-cartridge. No. 1,243,719; Oct. 23; v. 243; p. 814.
- Duguid, Archer F., Montreal, Quebec, Canada. Plumb-bob. No. 1,212,194; Jan. 16; v. 234; p. 687.
- Duhem, Constant L., Oroville, Cal. Movable camera-support. No. 1,243,272; Oct. 16; v. 243; p. 644.
- Duhrssen & Pfaltz. (See Pope, Frederick R., assignor.)
- Duich, Steven, assignor of one-half to E. S. Forsyth, Colfax, Iowa. Hole-digging machine. No. 1,231,865; July 3; v. 240; p. 111.
- Duis, Johannes H. (See Morrison and Duis.)
- Duke, Fred W., Milwaukee, Wis. Mounting of rimless eyeglasses. No. 1,249,353; Dec. 11; v. 245; p. 299.
- Duke, Henry R., assignor of one-half to A. O. Thayer, Mobile, Ala. Exhaust-valve for hydrocarbon-engines. No. 1,227,254; May 22; v. 238; p. 1205.
- Duke, Luther V., Pine Bluff, assignor of one-half to H. M. Dial, Kedron, Ark. Sliding-door support. No. 1,240,832; Sept. 25; v. 242; p. 763.
- Duke, Wilbey C., South Richmond, Va. Adjustable pipe-hanger. No. 1,221,705; Apr. 3; v. 237; p. 244.
- Dukelow, Alfred D. (See Becker and Dukelow.)
- Dukesmith, Frank H., assignor to The United States Air Brake Corporation, Buffalo, N. Y. Air-brake system. No. 1,217,580; Feb. 27; v. 235; p. 1217.
- Dula, Robert B., Tarrytown, N. Y. Apparatus for dispensing packages. No. 1,216,095; Feb. 13; v. 235; p. 605.
- Dulaney, Joe F., *et al.* (See Ellenburg, Joe N., assignor.)
- Dulaney, Joe F., *et al.* (See Thompson, George F., assignor.)
- Dulle, Frank, Cincinnati, Ohio. Toilet-paper holder. No. 1,238,278; Aug. 28; v. 241; p. 987.
- Dulmage, William A., Hamilton, Ontario, Canada. Sample-strip-holding device for cloth-rolls and the like. No. 1,249,924; Dec. 11; v. 245; p. 465.
- Dultmeier, Frank J., Manning, Iowa. Adjustable tongue-holder. No. 1,222,192; Apr. 10; v. 237; p. 447.
- Dumars, Gerald. (See Dumars, Horace and G.)
- Dumars, Horace, New York, N. Y. Apparatus for illuminated displays. No. 1,230,878; June 26; v. 239; p. 961.
- Dumars, Horace, New Suffolk, and G. Dumars, New York, N. Y.; said G. Dumars assignor to said Horace Dumars. Illuminated display device. No. 1,230,879; June 26; v. 239; p. 961.
- Dumartin, Horace. (See Monard, Moutier, and Dumartin.)
- Dumas, George V., Grand Haven, Mich., assignor to Story & Clark Piano Company, Chicago, Ill. Piano-player mechanism. No. 1,237,263; Aug. 14; v. 241; p. 590.
- Dumbolton, John A. (See Field and Dumbolton.)
- Dumler, Frank, Isabella, Okla. Disk-guard for grain-binders. No. 1,225,598; May 8; v. 238; p. 565.
- Dumler, George H. (See Kirk and Dumler.)
- Dumont, Albert, Detroit, Mich. Rail-clamp. No. 1,235,775; Aug. 7; v. 241; p. 80.
- Dumprope, David, Pearson, Wis. Rail-tie. No. 1,249,925; Dec. 11; v. 245; p. 465.
- Dun Lany, William P., assignor to Sears, Roebuck and Company, Chicago, Ill. Stylus for talking-machines. No. 1,211,559; Jan. 9; v. 234; p. 439.
- Dun Lany, William P., assignor to Sears, Roebuck and Company, Chicago, Ill. Apparatus for producing ornamental roofing. No. 1,214,658; Feb. 6; v. 235; p. 62.
- Dun Lany, William P., assignor to Sears, Roebuck and Company, Chicago, Ill. Apparatus for producing ornamental roofing. No. 1,214,659; Feb. 6; v. 235; p. 63.
- Dun Lany, William P., assignor to Sears, Roebuck and Company, Chicago, Ill. Means for ornamenting prepared roofing. No. 1,228,191; May 29; v. 238; p. 1546.
- Dun Lany, William P., Maywood, Ill., assignor to American Can Company. Change-making machine. No. 1,231,578; July 3; v. 240; p. 12.
- Dunagan, James A., Taylors, S. C. Compound tool. No. 1,221,297; Apr. 3; v. 237; p. 104.
- Dunavant, John R., Jet, Okla. Film-clasp. No. 1,216,967; Feb. 20; v. 235; p. 959.
- Dunbar, Ernest W., assignor to Apsley Rubber Company, Hudson, Mass. Rubber-soled shoe. No. 1,226,318; May 15; v. 238; p. 855.
- Dunbar, Francis W., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Telephone system. No. 1,211,688; Jan. 9; v. 234; p. 482.
- Dunbar, Francis W., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Telephone-exchange system. No. 1,211,689; Jan. 9; v. 234; p. 482.
- Dunbar, Francis W., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Telephone system. No. 1,223,349; Apr. 17; v. 237; p. 839.

Alphabetical list of patentees—Continued.

- Dunbar, Howard W. (See Wilcox, Turner, and Dunbar.)
 Dunbar Manufacturing Company. (See Schroyer, Harry H., assignor.)
 Dunbar, Oris K., Centerville, Ind., assignor to The Toledo Rack & Level Company, Toledo, Ohio. Display-stand. No. 1,221,517; Apr. 3; v. 237; p. 182.
 Dunbar, Roy A., Evans City, Pa. Phonograph. No. 1,217,723; Feb. 27; v. 235; p. 1267.
 Dunbar, Thomas L. (See Richter and Dunbar.)
 Dunberg, C. L. R. (See Chelstrom, Herbert, assignor.)
 Dunblazier, Charles L., Moline, Ill. Beet-harvesting machine. No. 1,218,532; Mar. 6; v. 236; p. 222.
 Duncan, Albert O. (See Howard, George F., assignor.)
 Duncan, Charles A., and G. L. Shoup, assignors to American Carbolite Company, Duluth, Minn. Acetylene-gas generator. No. 1,228,302; May 29; v. 238; p. 1582.
 Duncan, Charles E., Buffalo, N. Y. Hot top for molds. No. 1,236,068; Aug. 7; v. 241; p. 175.
 Duncan, David. (See Appel and Duncan.)
 Duncan, Dora, New York, N. Y. Carpet-sweeper shield. No. 1,250,817; Dec. 18; v. 245; p. 768.
 Duncan, Elizabeth O. (See Appel and Duncan, assignors.)
 Duncan, Harrie E., assignor to Waltham Watch Company, Waltham, Mass. Watch readable by touch. No. 1,222,369; Apr. 10; v. 237; p. 511.
 Duncan, Harry L., Mahwah, N. J. Producing aluminum nitrid. No. 1,241,834; Oct. 2; v. 243; p. 117.
 Duncan, I. P., et al. (See Cotton, Caleb, assignor.)
 Duncan, John M. (See Brainard, Sidney W., assignor.)
 Duncan, John M. (See Carel, William H., assignor.)
 Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Addressing-machine. No. 1,231,576; July 3; v. 240; p. 12.
 Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Safety device for addressing-machines. No. 1,231,577; July 3; v. 240; p. 12.
 Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Stencil-printing device. No. 1,234,310; July 24; v. 240; p. 1013.
 Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Machine for leveling printing characters. No. 1,239,677; Sept. 11; v. 242; p. 334.
 Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Automatic machine for leveling printing characters. No. 1,239,678; Sept. 11; v. 242; p. 334.
 Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Machine for rolling printing-plates. No. 1,239,679; Sept. 11; v. 242; p. 335.
 Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Machine for making printing-plates. No. 1,243,273; Oct. 16; v. 243; p. 645.
 Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Printing-machine. No. 1,245,207; Nov. 6; v. 244; p. 20.
 Duncan, Lawrence G. (See Brooks and Duncan.)
 Duncan, Leander, Butte, Mont. Concrete railway-tie. No. 1,227,405; May 22; v. 238; p. 1252.
 Duncan, Norman, Bryn Mawr, Pa. Level attachment. No. 1,229,916; June 12; v. 239; p. 567.
 Duncan, Raymond, New York, N. Y. Stop mechanism for talking-machines. No. 1,211,110; Jan. 2; v. 234; p. 251.
 Duncan, Richard A., Adelaide, South Australia, Australia. Control mechanism for preventing excessive speed of motor-vehicles. No. 1,250,290; Dec. 18; v. 245; p. 609.
 Duncan, Theodore, San Francisco, Cal. Drinking-fountain. No. 1,224,084; Apr. 24; v. 237; p. 1178.
 Duncan, Thomas C., St. Joseph, Mo. Tongue-truck. No. 1,251,356; Dec. 25; v. 245; p. 976.
 Duncan, Thomas S., Crayford, assignor to Vickers Limited, Westminster, England. Landing device for aeroplanes and hydroaeroplanes. No. 1,234,311; July 24; v. 240; p. 1013.
 Duncan, William W. (See Simpson, Edmund, assignor.)
 Duncan, William Y., Jr., Springfield, assignor to Fisk Rubber Company, Chicopee Falls, Mass. Collapsible core. No. 1,241,942; Oct. 2; v. 243; p. 151.
 Dunderdale, Herbert, Cleveland, Ohio. Movable step for vehicles. No. 1,239,892; Sept. 11; v. 242; p. 404.
 Dunderdale, Herbert, Cleveland, Ohio. Door-lock. No. 1,250,816; Dec. 18; v. 245; p. 768.
 Dunford, William T., assignor to Shurloc Elevator Safety Company, Inc., New York, N. Y. Safety-lock for elevator systems. No. 1,221,809; Apr. 3; v. 237; p. 280.
 Dunford, William T., assignor to Shurloc Elevator Safety Company, Inc., New York, N. Y. Elevator safety system. No. 1,221,810; Apr. 3; v. 237; p. 281.
 Dunford, William T., New York, N. Y., assignor to Shurloc Elevator Safety Co., Inc. Elevator safety system. No. 1,237,882; Aug. 21; v. 241; p. 825.
 Dungey, Hugh P., Middleton, Cranbrook, England. Agricultural motor-tractor. No. 1,215,127; Feb. 6; v. 235; p. 225.
 Dunham, Andrew A., Bainbridge, N. Y., assignor to The Dry Milk Company, Evaporating apparatus. No. 1,236,825; Aug. 14; v. 241; p. 451.
 Dunham, Bert G. (See Goodrum and Dunham.)
 Dunham, Bert G., Hawthorne, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Machine-switching telephone-exchange system. No. 1,210,616; Jan. 2; v. 234; p. 82.
 Dunham, Bert G., Hawthorne, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Relay. No. 1,210,617; Jan. 2; v. 234; p. 83.
 Dunham, Bert G., Hawthorne, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Automatic telephone-line-finder system. No. 1,217,160; Feb. 27; v. 235; p. 1070.
 Dunham, Bert G., Hawthorne, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone system. No. 1,221,158; Apr. 3; v. 237; p. 54.
 Dunham, Bert G., Hawthorne, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,227,895; May 29; v. 238; p. 1449.
 Dunham, Bert G., Hawthorne, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,248,466; Dec. 4; v. 245; p. 11.
 Dunham, Carl E., Baker, N. D. Device for holding flexible spouts. No. 1,216,296; Feb. 20; v. 235; p. 728.
 Dunham, Charles W., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electromagnetic device. No. 1,215,508; Feb. 13; v. 235; p. 393.
 Dunham, Charles W., Edgewood borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Rheostat. No. 1,225,227; May 8; v. 238; p. 438.
 Dunham, Charles W., Edgewood borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Manufacture of commutators. No. 1,233,764; July 17; v. 240; p. 800.
 Dunham, Clifford, Edmonton, Alberta, Canada. Foot-scraper. No. 1,244,434; Oct. 23; v. 243; p. 1031.
 Dunham Company, The. (See Dunham, Ray E., assignor.)
 Dunham Company, The. (See Karl, George E., assignor.)
 Dunham, Edward R. (See Edwards, Bruce V., assignor.)
 Dunham, George W. (See Close, Fred A., assignor.)
 Dunham, Henry V., Bainbridge, N. Y., assignor to Hall Motor Fuel, Limited, London, England. Making paraffinum liquidum. No. 1,240,792; Sept. 18; v. 242; p. 719.
 Dunham, Millard L., New York, N. Y. Apparatus for producing lapped joints for piston-rings. No. 1,242,662; Oct. 9; v. 243; p. 420.
 Dunham, Millard L., assignor to Dunham Piston Ring Company, New York, N. Y. Producing piston-rings. No. 1,219,270; Mar. 13; v. 236; p. 517.
 Dunham, Millard L., assignor of one-fourth to L. D. Munger, New York, N. Y. Piston-ring. No. 1,241,835; Oct. 2; v. 243; p. 118.
 Dunham, Millard L., assignor of one-fourth to L. D. Munger, New York, N. Y. Piston-ring. No. 1,241,836; Oct. 2; v. 243; p. 118.
 Dunham, Millard L., assignor of one-fourth to L. D. Munger, New York, N. Y. Piston-ring. No. 1,241,837; Oct. 2; v. 243; p. 118.
 Dunham, Otis E., Beverly, Mass. Waxed-paper-cleaning mechanism for confectionery-machines. No. 1,238,897; Sept. 4; v. 242; p. 57.
 Dunham Piston Ring Company. (See Dunham, Millard L., assignor.)
 Dunham, Ray E., assignor to The Dunham Company, Berea, Ohio. Combined scraper and handle-lock for lawn-rollers. No. 1,218,635; Mar. 13; v. 236; p. 295.
 Dunham, Ray E., Cleveland, assignor to The Dunham Company, Berea, Ohio. Land-roller. No. 1,237,182; Aug. 14; v. 241; p. 562.
 Dunham, Ray E., assignor to The Dunham Company, Berea, Ohio. Uniting the edge portions of metal sheets. No. 1,248,830; Dec. 4; v. 245; p. 120.
 Dunham, Ray E., assignor to The Dunham Company, Berea, Ohio. Forming sheet-metal cylinders. No. 1,248,831; Dec. 4; v. 245; p. 120.
 Dunham, Ray E., assignor to The Dunham Company, Berea, Ohio. Double-gang soil packer and mulsher. No. 1,250,570; Dec. 18; v. 245; p. 695.
 Dunham, William P. (See Keen, Eliot, assignor.)
 Dunham, William P., Los Angeles, Cal. Portable electric lamp. No. 1,216,422; Feb. 20; v. 235; p. 774.
 Dunhill, Alfred, London, England. Metal match-box. No. 1,218,382; Mar. 6; v. 236; p. 172.
 Dunkelsberg, Louis, New York, N. Y. Goggles. No. 1,225,115; May 8; v. 238; p. 401.
 Dunkelsberg, Louis, Brooklyn, N. Y. Goggles. No. 1,227,896; May 29; v. 238; p. 1449.
 Dunkerley, William H., Paterson, N. J. Tire and making the same. No. 1,213,600; Jan. 23; v. 234; p. 1216.
 Dunkerley, William H., Paterson, N. J. Braiding-machine. No. 1,213,601; Jan. 23; v. 234; p. 1216.
 Dunkle, Wesley E., Seattle, Wash. Culinary vessel. No. 1,243,823; Oct. 23; v. 243; p. 849.
 Dunkleberger, Augustus C., Erwin, Tenn. Chain-catch. No. 1,242,159; Oct. 9; v. 243; p. 260.
 Dunkley Company. (See Dunkley, Samuel J., assignor.)
 Dunkley, Melville E., Kalamazoo, Mich. Peeling process for fruit or vegetables. No. 1,236,690; Aug. 14; v. 241; p. 408.
 Dunkley, Samuel J., Kalamazoo, Mich. Driving means for motor-driven railway-cars. No. 1,222,610; Apr. 17; v. 237; p. 637.
 Dunkley, Samuel J., assignor, by mesne assignments, to Dunkley Company, Kalamazoo, Mich. Peeling peaches or other fruits or vegetables. No. 1,237,623; Aug. 21; v. 241; p. 743.

- Dunlap, Alfonso H., Chattanooga, Tenn. Refrigerator. No. 1,218,533; Mar. 6; v. 236; p. 222.
- Dunlap, Dix, La Junta, Colo. Vertical-feed attachment for turning-lathes. No. 1,225,117; May 8; v. 238; p. 401.
- Dunlap, Gustav C. (See Dunlap, Leo H. and G. C.)
- Dunlap, Harley M., Battle Creek, Mich. Air-pump. No. 1,227,762; May 29; v. 238; p. 1403.
- Dunlap, John J., Columbia, S. C. Valve mechanism for engines. No. 1,249,926; Dec. 11; v. 245; p. 465.
- Dunlap, Joseph B., Tulsa, Okla. Pulley. No. 1,219,382; Mar. 13; v. 236; p. 557.
- Dunlap, Leo H. and G. C., Los Angeles, Cal. Fountain-brush. No. 1,218,534; Mar. 6; v. 236; p. 222.
- Dunlap, Orie T., *et al.* (See Good and Tandy, assignors.)
- Dunlap, Samuel H., Bryan, Tex. Cotton-treating apparatus and process. No. 1,215,260; Feb. 6; v. 235; p. 271.
- Dunlap, Scott C. (See Stevens and Dunlap.)
- Dunlap, William A., Pittsburgh, Pa. Semaphore-arm. No. 1,231,244; June 26; v. 239; p. 1085.
- Dunlevy, David W., assignor to Colonial Steel Company, Pittsburgh, Pa. Apparatus for cleaning hollow metal rods. No. 1,231,579; July 3; v. 240; p. 13.
- Dunlop, George H., Auburn, Victoria, Australia. Excavating-machine. No. 1,234,147; July 24; v. 240; p. 960.
- Dunlop, George H., Auburn, Victoria, Australia. Excavating-machine. No. 1,236,691; Aug. 14; v. 241; p. 408.
- Dunlop Rubber Company, The. (See Turpin and Snodgrass, assignors.)
- Dunlop Rubber Company, The. (See Wright, Walter, assignor.)
- Dunmar, Abe P., assignor to L. Stetelman, Columbus, Ohio. Book-support. No. 1,245,890; Nov. 6; v. 244; p. 226.
- Dunn, Andrew C., Mankato, Minn. Door-controlling device. No. 1,244,594; Oct. 30; v. 243; p. 1119.
- Dunn, David. (See Milgrom and Dunn.)
- Dunn, Edward J., New York, N. Y. Cement-block mold. No. 1,217,860; Feb. 27; v. 235; p. 1313.
- Dunn, Edward L., Worcester, Mass. Interlocking and door-operating device for elevators. No. 1,232,903; July 10; v. 240; p. 486.
- Dunn, Edward L., assignor, by mesne assignments, to Standard Plunger Elevator Company, Worcester, Mass. Elevator safety controlling mechanism. No. 1,212,195; Jan. 16; v. 234; p. 688.
- Dunn, Edward L., assignor, by mesne assignments, to Standard Plunger Elevator Company, Worcester, Mass. Operating box-controlled dumb-waiter system. No. 1,222,854; Apr. 17; v. 237; p. 721.
- Dunn, Edward L., assignor, by mesne assignments, to Standard Plunger Elevator Company, Worcester, Mass. Elevator-door-locking mechanism. No. 1,223,157; Apr. 17; v. 237; p. 826.
- Dunn, Edward L., assignor, by mesne assignments, to Standard Plunger Elevator Company, Worcester, Mass. Automatic elevator. No. 1,234,644; July 24; v. 240; p. 1120.
- Dunn, Edward L., assignor to Standard Plunger Elevator Company, Worcester, Mass. Hydraulic-motor-controlling mechanism. No. 1,242,928; Oct. 16; v. 243; p. 539.
- Dunn, Edward L., assignor to Standard Plunger Elevator Company, Worcester, Mass. Elevator-control lock. No. 1,246,894; Nov. 20; v. 244; p. 590.
- Dunn, Frank P., Anderson, Ind., assignor, by mesne assignments, to Toledo Scale Company, Toledo, Ohio. Weighing-scale. No. 1,213,168; Jan. 23; v. 234; p. 1064.
- Dunn, Frank P., Anderson, Ind., assignor to Toledo Scale Company, Toledo, Ohio. Scale. No. 1,249,927; Dec. 11; v. 245; p. 466.
- Dunn, Freeman A., Keokuk, Iowa. Ventilating attachment. No. 1,223,483; Apr. 24; v. 237; p. 969.
- Dunn, Harry M., Hurley, N. Mex. Method and apparatus for concentrating ore. No. 1,219,089; Mar. 13; v. 236; p. 455.
- Dunn, Jay E., Brooklyn, N. Y., assignor to Novo Manufacturing Company, New York, N. Y. Electric battery. No. 1,233,204; July 10; v. 240; p. 584.
- Dunn, John J. (See McGirr, William J., assignor.)
- Dunn, Lewis C., San Antonio, Tex. Container. No. 1,222,543; Apr. 10; v. 237; p. 572.
- Dunn Manufacturing Company. (See Dunn, William L., assignor.)
- Dunn, Michael A., Poughkeepsie, N. Y. Cleaner for tumblers for metal castings, buttons, and other articles. No. 1,211,111; Jan. 2; v. 234; p. 252.
- Dunn, Olin V., Brookings, S. D. Auxiliary seat. No. 1,213,762; Jan. 23; v. 234; p. 1268.
- Dunn, Patrick T., Cedar Rapids, Iowa. Dish-washing machine. No. 1,243,925; Oct. 23; v. 243; p. 879.
- Dunn, Sola B., Chicago, Ill. Securing device. No. 1,221,706; Apr. 3; v. 237; p. 244.
- Dunn, Sola B., Chicago, Ill. Veterinary instrument. No. 1,245,325; Nov. 6; v. 244; p. 55.
- Dunn, Thomas E., Rhineland, Wis. Wire-twisting device. No. 1,251,193; Dec. 25; v. 245; p. 928.
- Dunn, William F., Talent, assignor of one-third to F. G. Swedenburg, Ashland, and one-third to J. M. Kerby, Talent, Oreg. Draft-bar. No. 1,239,367; Sept. 4; v. 242; p. 207.
- Dunn, William J., Montreal, Quebec, Canada. Edge-staining device for trimmed wall-paper. No. 1,237,246; Aug. 14; v. 241; p. 584.
- Dunn, William L., Piru, assignor to Dunn Manufacturing Company, Oxnard, Cal. Underreamer. No. 1,217,086; Feb. 20; v. 235; p. 999.
- Dunn, William G., Clarinda, Iowa. Engine-shaft counter-balance. No. 1,248,832; Dec. 4; v. 245; p. 120.
- Dunner, Julius, Brooklyn, assignor of one-half to S. M. Jacoby, New York, N. Y. Automatic presser-foot for sewing-machines. No. 1,211,112; Jan. 2; v. 234; p. 252.
- Dunning, Harry C. (See Short and Dunning.)
- Dunning, Harry C., Chicago, Ill. Steam-engine. No. 1,243,494; Oct. 16; v. 243; p. 711.
- Dunning, William, Tegarden, Okla. Form for bridge and culvert construction. No. 1,246,404; Nov. 13; v. 244; p. 408.
- Dunning, William E., assignor, by mesne assignments, to The McCaskey Register Company, Alliance, Ohio. Manifold book or pad. No. 1,213,341; Jan. 23; v. 234; p. 1125.
- Dunningham, Alfred C. (See Hutchins, Hargreaves, and Dunningham.)
- Dunscomb, Leander S. (See Fretwell, Phillip N., assignor.)
- Dunsford, Charles H., Cleveland, Ohio. Double-cutting-planer-tool holder. No. 1,244,302; Oct. 23; v. 243; p. 993.
- Duntley Pneumatic Sweeper Company. (See Ferguson, Leonard L., assignor.)
- Duntley, William O. (See Buck, Turney E., assignor.)
- Dunton, Lewis A. (See Farmer, William H., assignor.) (Reissue.)
- Dunwoodie, David, Dayton, Ohio. Automatic temperature-regulating device. No. 1,244,184; Oct. 23; v. 243; p. 955.
- Dunwoody Automatic Gun and Projectile Company. (See Dunwoody, Henry H. C., assignor.)
- Dunwoody, Henry H. C., Washington, D. C., assignor to Dunwoody Automatic Gun and Projectile Company. Automatic gun. No. 1,227,897; May 29; v. 238; p. 1449.
- Duperu, Alphonse M., Oxnard, Cal. Precipitating sugar. No. 1,229,190; June 5; v. 239; p. 274.
- Dupler, Raymond R., Monroe, Mich. Weed-cutter. No. 1,243,495; Oct. 16; v. 243; p. 711.
- Duplex Channel Pin Company. (See Deems, Edward M., assignor.)
- Duplex Lighting System, The. (See White, Ernest C., assignor.)
- Duplex Lock Co. (See Van Derbeck and Murdock, assignors.)
- Duplex Lock Company. (See Cahusac, Clarence N., assignor.)
- Duplex Printing Press Company. (See Bechman, Henry F., assignor.)
- Duplex Printing Press Company. (See Bechman, Louis H., assignor.)
- Duplex Printing Press Company, The. (See Pearce, Parker, and Carverhill, assignors.)
- Duplex Shock-Absorber Co. (See Robinson and Person, assignors.)
- Duplex Truck Co. (See Thomas, George J., assignor.)
- Duplicator Manufacturing Company. (See Flanagan, John J., assignor.)
- Dupuis, Albert, Edmonton, Alberta, Canada. Rotary engine. No. 1,238,650; Aug. 28; v. 241; p. 1107.
- Dupuy, Arthur O., assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Mold-dumping machine. No. 1,227,763; May 29; v. 238; p. 1403.
- Dupuy, Arthur O., assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Mold-dumping machine. No. 1,227,764; May 29; v. 238; p. 1404.
- Dupuy, Arthur O., assignor to The C. O. Bartlett and Snow Company, Cleveland, Ohio. Clay-feeder. No. 1,238,117; Aug. 28; v. 241; p. 934.
- Duquesne Sales Company. (See Mearkle, Louis K., assignor.)
- Duquesnoy, Louis, Hiawatha, Utah. Valve-grinding mechanism. No. 1,212,030; Jan. 9; v. 234; p. 603.
- Duquette, Edward E. J. (See Schneider and Duquette.)
- Durable Box Co. (See Kenniker, Nicholas O., assignor.)
- Durand, Alexander, Los Angeles, Cal. Tailor's iron. No. 1,213,602; Jan. 23; v. 234; p. 1216.
- Durand, Alexander, Los Angeles, Cal. Tailor's iron. No. 1,219,090; Mar. 13; v. 236; p. 456.
- Durand Steel Locker Company. (See Vance, Walter N., assignor.)
- Durand, Victor. (See Barber, Ralph, Jr., assignor.)
- Durbin, Votaw S., St. Louis, Mo. Pipe-coupling. No. 1,221,707; Apr. 3; v. 237; p. 245.
- Durbin, Votaw S., St. Louis, Mo. Swivel-coupling for pipe-lines. No. 1,228,541; June 5; v. 239; p. 57.
- Durbin, Votaw S., St. Louis, Mo. Game apparatus. No. 1,228,542; June 5; v. 239; p. 58.
- Dürner Metallwerke Aktien-Gesellschaft. (See Beck, Rasmus, assignor.)
- Durgarian, Leo, San Francisco, Cal. Broiler and like cooker. No. 1,244,965; Oct. 30; v. 243; p. 1230.
- Durham, Baltis A., Irvington, N. J. Train-stopping apparatus. No. 1,224,723; May 1; v. 238; p. 217.
- Durham, Percy J., New York, N. Y. Starting mechanism for motor-engines. No. 1,244,482; Oct. 30; v. 243; p. 1084.

Alphabetical list of patentees—Continued.

- Durham, William T., Ridge Spring, S. C. Coupling-link. No. 1,220,614; Mar. 27; v. 236; p. 1055.
- Durieux, Joseph, Mount Vernon, Ohio. Means for excluding stones in glass-drawing. No. 1,212,031; Jan. 9; v. 234; p. 603.
- Durio, Fratelli. (See Durio, Secondo, assignor.)
- Durio, Secondo, assignor to F. Durio, Turin, Italy. Picker for looms. No. 1,247,245; Nov. 20; v. 244; p. 691.
- Durkee & Co., E. R. (See Helson, Gilbert F., assignor.)
- Durkee, Everett A., Minneapolis, and C. E. Prince, Excelsior, Minn., assignors to Leonard Construction Company, Chicago, Ill., and J. Wunder, Minneapolis, Minn. Concrete floor and column construction. No. 1,238,726; Aug. 28; v. 241; p. 1128.
- Dürkoppwerke Aktiengesellschaft. (See Sandt, Max, assignor.)
- Durland, Ralph A., Washingtonville, N. Y. Valve-spring compressor. No. 1,236,826; Aug. 14; v. 241; p. 452.
- Durning, Thomas F., Newark, N. J. Oil-can vent. No. 1,240,689; Sept. 18; v. 242; p. 687.
- Duro, Francesco, G. Crivelli, and F. Pampuro, Milan, Italy. Machine for trimming the brims of hats. No. 1,221,427; Apr. 3; v. 237; p. 149.
- Durocher, Ignace B., New Orleans, La. Rail-fastener. No. 1,219,271; Mar. 13; v. 236; p. 517.
- Durocher, Thomas L., Sault Ste. Marie, Mich. Rock-grab. No. 1,216,423; Feb. 20; v. 235; p. 774.
- Durr, Herbert A. (See Dutcher, John E., assignor.)
- Durr, Herbert A., Chicago, Ill. Apparatus for steam-heating. No. 1,229,917; June 12; v. 239; p. 567.
- Durst, Harry E., assignor of one-half to W. Leitner, Moorhead, Mont. Gate-spring. No. 1,249,928; Dec. 11; v. 245; p. 466.
- Durston, Alfred H., *et al.*, executors. (See Gere, William B.)
- Durup, Paul H., Boston, Mass. Pump. No. 1,218,246; Mar. 6; v. 236; p. 126.
- Duryea, Charles E., Saginaw, Mich. Internal-combustion engine. No. 1,226,870; May 22; v. 238; p. 1074.
- Duryea, Charles E., Saginaw, Mich. Driving mechanism. No. 1,244,185; Oct. 23; v. 243; p. 956.
- Duryea, Otho C., Chicago, Ill., assignor to American Briquette Machine Co., Huron, S. D. Briquetting-press. No. 1,220,733; Mar. 27; v. 236; p. 1095.
- Duryea, William F., Hackensack, N. J. Magazine-pencil. No. 1,236,069; Aug. 7; v. 241; p. 175.
- Duscher, Ernest, La Crosse, Wis., assignor, by mesne assignments, to Printograph Manufacturing Co., St. Paul, Minn. Filling-in attachment for printing-machines. No. 1,221,159; Apr. 3; v. 237; p. 55.
- Duscher, Ernest, La Crosse, Wis., assignor, by mesne assignments, to Printograph Manufacturing Co., St. Paul, Minn. Printing-machine. No. 1,221,160; Apr. 3; v. 237; p. 55.
- Dusenberry, Samuel, *et al.* (See Kerch, William C., assignor.)
- Dusenbury, Gowan, *et al.* (See Gardner, Lee, assignor.)
- Dusenbury, Henry G., Jr., Cedargrove, N. J., assignor to Richard Hudnut. Container. No. 1,236,070; Aug. 7; v. 241; p. 175.
- Dusha, Paul F., and A. Feyk, assignors to Holub-Dusha Company, New York, N. Y. Automatic tool-sharpening button-lathe. No. 1,225,599; May 8; v. 238; p. 566.
- Dusha, Paul F., and A. Feyk, assignors to Holub-Dusha Company, New York, N. Y. Button-cutting lathe. No. 1,230,688; June 19; v. 239; p. 859.
- Duskes, Samuel, Montreal, Quebec, Canada. Ash-sifter. No. 1,225,941; May 15; v. 238; p. 723.
- Dustan, Frederick W., Clarkston, Wash. Loose-leaf binder. No. 1,249,929; Dec. 11; v. 245; p. 466.
- Dutard, Gabriel L., Paris, France. Surgical and medical appliance. No. 1,250,818; Dec. 18; v. 245; p. 768.
- Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Fiber-case railway-torpedo. No. 1,211,113; Jan. 2; v. 234; p. 253.
- Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Fiber-case railway-torpedo. No. 1,211,114; Jan. 2; v. 234; p. 253.
- Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Railway signal-torpedo. No. 1,230,570; June 19; v. 239; p. 821.
- Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Railway signal-torpedo. No. 1,233,562; July 17; v. 240; p. 737.
- Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Fiber railway signal-torpedo. No. 1,242,663; Oct. 9; v. 243; p. 421.
- Dutcher, Frank, Versailles, assignor to Central Railway Signal Company, Pittsburgh, Pa. Railway signal-torpedo. No. 1,250,819; Dec. 18; v. 245; p. 769.
- Dutcher, John E., assignor of one-half to H. A. Durr, Chicago, Ill. Humidifier. No. 1,218,247; Mar. 6; v. 236; p. 126.
- Dutcher, Pierpont E., Milwaukee, assignor to Bucyrus Company, South Milwaukee, Wis. Rail-clamp. No. 1,222,193; Apr. 10; v. 237; p. 448.
- Dutchess Tool Company. (See Van Houten, Frank H., assignor.)
- Dutchess Tool Company. (See Van Houten, Frank H., Jr., assignor.)
- Dutert, René G. A., Paris, France. Automatic focusing device for copying or enlarging cameras and the like. No. 1,211,302; Jan. 2; v. 234; p. 318.
- Dutt, David. (See Evans and Dutt.)
- Dutton, Burton M., Abingdon, and F. L. Jobson, assignors of one-fourth to J. H. McEvoy, Richmond, Va. Rotary internal-combustion engine. No. 1,228,101; May 29; v. 238; p. 1519.
- Duty, Henry C., and L. L. Craig, Pittsburg, Ill. Air-pipe coupling. No. 1,220,503; Mar. 27; v. 236; p. 1017.
- Duval, Ruben, Arma, Kans. Railway-tie. No. 1,225,600; May 8; v. 238; p. 566.
- Duval Coal Dock Company, The. (See Duvall, Edwin, assignor.)
- Duvall, Edwin, Sharonville, assignor to The Duvall Coal Dock Company, Lewisburg, Ohio. Car-unloading apparatus. No. 1,226,483; May 15; v. 238; p. 906.
- Duvall, George W. (See Beebe, Smith, and Duvall.)
- Duvall, James, Camas, Wash. Bag-counting means. No. 1,210,618; Jan. 2; v. 234; p. 83.
- Duvall, James, Camas, Wash. Pneumatic press-feeding means. No. 1,217,161; Feb. 27; v. 235; p. 1071.
- Duvall, James, Camas, Wash. Paper-bag machine. No. 1,249,354; Dec. 11; v. 245; p. 299.
- Duvall, Marius, Goldfield, Nev. Carbureter. No. 1,220,965; Mar. 27; v. 236; p. 1173.
- Duvall, Michael, Marshfield, Wis. Milk-aerator. No. 1,213,842; Jan. 23; v. 234; p. 1126.
- Duvall, Michael, Lincoln, Wis. Milk-aerator. No. 1,231,866; July 3; v. 240; p. 111.
- Duvinage, Pierre, Brooklyn, N. Y. Step for spiral stairways. No. 1,215,352; Feb. 13; v. 235; p. 337.
- Duxbury, Henry A. (See Hall and Duxbury.)
- Duysens, Tossanus, assignor of one-half to R. Hustinx, Maastricht, Netherlands. Armored pneumatic tire. No. 1,223,776; Apr. 24; v. 237; p. 1074.
- Duz, Micaël A., and D. E. Washington, Paris, France. Carbureter. No. 1,244,040; Oct. 23; v. 243; p. 913.
- Duzey, Michael W., assignor of one-half to M. Kuryllo, Seymour, Conn. Sandpapering-machine. No. 1,240,428; Sept. 18; v. 242; p. 607.
- Dvoracek, James, Jr., Maynard, Ohio. Spike. No. 1,212,029; Jan. 9; v. 234; p. 603.
- Dwiggins, John W., Muncie, assignor to J. E. Fredrick, Kokomo, Ind. Wire-fence machine. No. 1,215,353; Feb. 13; v. 235; p. 337.
- Dwight, Arthur S., New York, N. Y. Sintering and smelting ore. No. 1,215,635; Feb. 13; v. 235; p. 441.
- Dwight, Arthur S., New York, N. Y. Treating substances carrying sulfur and metals. No. 1,238,279; Aug. 28; v. 241; p. 987.
- Dwight, Arthur S., assignor to Dwight-Lloyd Sintering Company, New York, N. Y. Treating ores. No. 1,215,636; Feb. 13; v. 235; p. 441.
- Dwight, Arthur S., assignor to Dwight and Lloyd Sintering Company, Inc., New York, N. Y. Apparatus for roasting and sintering ores. No. 1,215,637; Feb. 13; v. 235; p. 442.
- Dwight & Lloyd Metallurgical Company. (See Lloyd, Henry J., assignor.)
- Dwight & Lloyd Metallurgical Company. (See Lloyd, Richard L., assignor.)
- Dwight & Lloyd Sintering Company. (See Bittmann, Heinrich, assignor.)
- Dwight-Lloyd Sintering Company. (See Dwight, Arthur S., assignor.)
- Dwork, Joseph H., Newark, N. J. Vehicle-wheel. No. 1,217,724; Feb. 27; v. 235; p. 1268.
- Dworsky, Abraham S. (See Colbyson and Dworsky.)
- Dwyer, Henry P., San Francisco, Cal. Container for eggs and the like. No. 1,225,704; May 8; v. 238; p. 600.
- Dwyer, John J. (See Avedisian and Dwyer.)
- Dwyer, John T., West Philadelphia, Pa. Bottle cap and stopper. No. 1,237,761; Aug. 21; v. 241; p. 789.
- Dwyer, William M., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Hand-brake for railway-cars. No. 1,240,324; Sept. 18; v. 242; p. 575.
- Dyar Supply Company, The. (See Dance, William H., assignor.)
- Dyarman, George W., New York, N. Y. Tie for railways and road constructions. No. 1,226,646; May 22; v. 238; p. 997.
- Dyblie, Julius A., Joliet, Ill. Cleaning-door for hot-blast stoves. No. 1,210,436; Jan. 2; v. 234; p. 20.
- Dyck, George E. (See Beckman and Dyck.)
- Dyckman, Henry R., *et al.* (See Landreth, Harry, assignor.)
- Dyckman, Otto J., *et al.* (See Landreth, Harry, assignor.)
- Dyckman, Stephen W., New York, N. Y. Portable vault. No. 1,223,374; Apr. 24; v. 237; p. 930.
- Dyckman, Walter G., *et al.* (See Landreth, Harry, assignor.)
- Dye, Carl D., Edmonton, Alberta, Canada. Bread-cutting machine. No. 1,229,918; June 12; v. 239; p. 568.
- Dye, James T., and F. S. Clark, New York, N. Y. Automobile-signal. No. 1,211,115; Jan. 2; v. 234; p. 253.
- Dye, Joel J., and W. A. Lucas, Newark, N. J., assignors to Butterworth-Judson Corporation. Outlet for acid-receptacles. No. 1,249,728; Dec. 11; v. 245; p. 406.
- Dye Products Company of the United States. (See Kitzsee, Isidor, assignor.)
- Dye, William A., Cherry Valley, Ark. Cotton-planter. No. 1,233,205; July 10; v. 240; p. 584.

- Dyer, Charlie W., Stratton, Me. Oil-vaporizer for explosive-engines. No. 1,226,319; May 15; v. 238; p. 855.
- Dyer Company, The. (See Monroe, Frank A., Jr., assignor.)
- Dyer, Ernest I., Oakland, Cal. Apparatus for dehydrating hydrocarbon oils. No. 1,220,504; Mar. 27; v. 236; p. 1017.
- Dyer, Ernest I., Oakland, and A. R. Heise, Avila, Cal. Method for separating mixtures of liquids. No. 1,242,784; Oct. 9; v. 243; p. 459.
- Dyer, Frank L., Montclair, N. J. Assembly voting-machine. No. 1,230,880; June 26; v. 239; p. 961.
- Dyer, Frank L., Montclair, N. J. Toy. No. 1,234,885; July 31; v. 240; p. 1228.
- Dyer, Frank L., Montclair, N. J. Motion-picture-projecting machine. No. 1,235,776; Aug. 7; v. 241; p. 80.
- Dyer, Frank L., Montclair, N. J. Motion-picture-projecting machine. No. 1,242,428; Oct. 9; v. 243; p. 345.
- Dyer, George, Wallacetown, Va. Brush-handle. No. 1,224,724; May 1; v. 238; p. 218.
- Dyer, George E., and S. R. Lean, Wellington, New Zealand. Casing for condensing lenses of cinematograph-lanterns and the like. No. 1,250,820; Dec. 18; v. 245; p. 769.
- Dyer, Robert B., Waurika, Okla. Lightning-arrester. No. 1,251,194; Dec. 25; v. 245; p. 928.
- Dyer, Robert B., Waurika, Okla. Calendar. No. 1,251,195; Dec. 25; v. 245; p. 928.
- Dyer, Thomas C., Blanchard, Okla. Gun-sight. No. 1,226,952; May 22; v. 238; p. 1102.
- Dyer, Walter, Portland, Oreg. Arch construction. No. 1,223,266; Apr. 17; v. 237; p. 859.
- Dyer, Walter C., assignor to Buda Company, Chicago, Ill. Rail-drilling machine. No. 1,221,708; Apr. 3; v. 237; p. 245.
- Dyer, Wilbur M., Perry, Ark. Necktie-adjuster. No. 1,233,996; July 17; v. 240; p. 876.
- Dyett, Frank J., Iliou, N. Y. Key. No. 1,221,709; Apr. 3; v. 237; p. 246.
- Dygart, Charles B., assignor to Remington Arms and Ammunition Company, Iliou, N. Y. Sight for firearms. No. 1,221,298; Apr. 3; v. 237; p. 105.
- Dygart, Henry A., Philadelphia, Pa. Surgical appliance. No. 1,221,518; Apr. 3; v. 237; p. 182.
- Dyke, Darrell F., assignor to The Seng Company, Chicago, Ill. Kitchen-cabinet. No. 1,215,261; Feb. 6; v. 235; p. 272.
- Dyke, Darrell F., Chicago, Ill. Folding bed-lounge. No. 1,232,013; July 3; v. 240; p. 160.
- Dykes, Alfred H. (See Angold, Duddell, Dykes, Handcock, and Oliver.)
- Dykes, James, New Rockford, N. D. Portable crane. No. 1,213,603; Jan. 23; v. 234; p. 1217.
- Dymock, Arthur, Stockport, England, assignor to American Coretine Company, Boston, Mass. Machine for the manufacture of paper twine. No. 1,241,943; Oct. 2; v. 243; p. 151.
- Dymond, William M., North Platte, Nebr. Attachment for road-scrappers. No. 1,213,169; Jan. 23; v. 234; p. 1064.
- Dyneto Electric Corporation. (See Doman, Albert E., assignor.)
- Dysart, Arthur S., Norfolk, Va. Weighing-scale. No. 1,215,638; Feb. 13; v. 235; p. 442.
- Dysart, Arthur S., U. S. Navy. Steering-wheel. No. 1,216,670; Feb. 20; v. 235; p. 859.
- Dyson, Alfred H., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Calling device. No. 1,210,917; Jan. 2; v. 234; p. 187.
- Dyson, Alfred H., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Telephone system. No. 1,214,492; Jan. 30; v. 234; p. 1549.
- Dyson, Alfred H., Montclair, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Calling device. No. 1,226,953; May 22; v. 238; p. 1102.
- Dyson, Alfred H., Montclair, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Semi-automatic telephone-exchange system. No. 1,232,250; July 3; v. 240; p. 239.
- Dyson, Edward T., and H. S. Bullen, Oakland, Cal. Shipping-case. No. 1,225,705; May 8; v. 238; p. 600.
- Dyson, Herbert P., Knoxville, Tenn., assignor to Atlas Powder Company, Wilmington, Del. Drill. No. 1,222,938; Apr. 17; v. 237; p. 749.
- Dyson, Oliver. (See McNally, Thomas W., Jr., assignor.)
- Dziatkiewicz, Jacob, Perth Amboy, N. J. Rail-joint. No. 1,240,429; Sept. 18; v. 242; p. 607.
- Dziatkiewicz, Jakob, Perth Amboy, N. J. Control-valve. No. 1,233,654; July 17; v. 240; p. 767.
- Dziewiatkowski, Jan K., Hamtramck, Mich. Fruit-press. No. 1,232,251; July 3; v. 240; p. 239.
- Dziegielewski, Clemens, Detroit, Mich. Vehicle-door latch. No. 1,218,845; Mar. 13; v. 236; p. 373.
- E. Children's Sons Manufacturing Co. (See Children, Frank R., assignor.)
- E. Kirstein Sons Company. (See McDonnell, William E., assignor.)
- E. Myers Lye Company. (See Myers, Chester, assignor.)
- E. A. Potter Company. (See Potter, Alfred K., assignor.)
- E. & B. Holmes Machinery Company. (See Beugler, Edwin F., assignor.)
- E. B. Meyrowitz, Inc. (See Cook, William N., assignor.)
- E. C. Atkins & Co. (See St. Clair, John A., assignor.)
- E. C. Atkins & Co. (See Williams, Charles H., assignor.)
- E. C. Stearns & Company. (See Shannon, Oscar M., assignor.)
- E. C. Tecktonius Manufacturing Company. (See Tecktonius, Emil C., assignor.)
- E. G. Staudé Manufacturing Co. (See Staudé, Edwin G., assignor.)
- E. G. Washburne & Company. (See Washburne and Kimberle, assignors.)
- E. H. Freeman Electric Company. (See Freeman, Edgar H., assignor.)
- E. H. Kluge Weaving Company. (See Jordan, Cornelius, assignor.)
- E. H. Sprague Manufacturing Company. (See Peterson, Thorwald E. and W. C., assignors.)
- E. I. du Pont de Nemours Powder Company. (See Arnold, Charles E., assignor.)
- E. I. du Pont de Nemours Powder Company. (See Baker, Theodore, assignor.)
- E. I. du Pont de Nemours Powder Company. (See Carpenter, Walter S., Jr., assignor.)
- E. I. du Pont de Nemours Powder Company. (See Jack, Clarence E., assignor.)
- E. I. du Pont de Nemours Powder Company. (See Kniffen, Frederick, assignor.)
- E. I. du Pont de Nemours Powder Company. (See Lynah, James, assignor.)
- E. I. du Pont de Nemours Powder Company. (See Masland, Walter E., assignor.)
- E. I. du Pont de Nemours Powder Company. (See Phillips, William A., assignor.)
- E. I. du Pont de Nemours Powder Company. (See Stowe, Floyd D., assignor.)
- E. I. du Pont de Nemours and Company. (See Sylvester, Richard, assignor.)
- E. J. Brooks & Co. (See Brooks, Winfred M., assignor.)
- E. J. Manville Machine Company, The. (See Smith, Henry L., assignor.)
- E. J. Woodison Company. (See Green, Charles H., assignor.)
- E. L. Watrous Galvanizing Company. (See Watrous, Edward L., assignor.)
- E. R. Wagner Manufacturing Company. (See Wagner, Edward R., assignor.)
- E. T. Burrows Company, The. (See Coffin, Charles W., assignor.)
- E. T. Burrows Company, The. (See Orr, John E., assignor.)
- E. and T. Fairbanks and Company. (See Bousfield, John H. A., assignor.)
- E. and T. Fairbanks and Company. (See Burrows, Ernest E., assignor.)
- E. T. Fraim Lock Company, The. (See Fraim, Samuel R., assignor.)
- E. W. Bliss Company. (See Dieter, William, assignor.)
- E. W. Bliss Company. (See Dobson, John E., assignor.)
- E. W. Bliss Company. (See Klocke, William, assignor.)
- E. W. Bliss Company. (See Kruse, Peter, assignor.)
- Eaby, Isaac N. and P. M., Lancaster, Pa. Mail and package tying device. No. 1,228,192; May 29; v. 238; p. 1546.
- Eaby, Paul M. (See Eaby, Isaac N. and P. M.)
- Eacret, Godfrey, San Francisco, Cal. Indicator. No. 1,222,269; Apr. 10; v. 237; p. 475.
- Eades, Anna, Alturas, Cal. Suitcase. No. 1,211,829; Jan. 9; v. 234; p. 532.
- Eades, Rodger, assignor of one-fourth to J. S. Hays, Winchester, and one-fourth to F. H. McClung, Ashland, and H. H. Moore, Winchester, Ky. Automatic electric safety-gate. No. 1,241,358; Sept. 25; v. 242; p. 930.
- Eager, George T., Ridgewood, N. J. Display device for veiling and the like. No. 1,238,898; Sept. 4; v. 242; p. 57.
- Eager, James H. L., New York, N. Y. Syringe. No. 1,243,054; Oct. 16; v. 243; p. 580.
- Eagle Counter and Leather Company, The. (See Devaney, Thomas M., assignor.)
- Eagle Pencil Company. (See Andersson, Oscar B., assignor.)
- Eagle Pencil Company. (See Reed, James M., assignor.)
- Eagle Wagon Works, The. (See Underhill and Avery, assignors.)
- Eaken, Dwight A., Lodi, Ohio. Light or voltage regulator. No. 1,214,021; Jan. 30; v. 234; p. 1389.
- Eaken, Dwight A., assignor of one-half to H. M. Myers, Lodi, Ohio. Liquid filling and gaging device. No. 1,216,786; Feb. 20; v. 235; p. 899.
- Eakens, James C., Mingo Junction, assignor of one-half to E. C. Brandfass, Steubenville, Ohio. Wheel rim and tire structure. No. 1,248,636; Dec. 4; v. 245; p. 62.
- Eakin, Marshall M. (See Gunter and Eakin.)
- Eales, H. W., et al. (See Fay, John L., assignor.)
- Eames, George M., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Garment-supporter. No. 1,232,252; July 3; v. 240; p. 240.
- Earl, Edwin T. (See Hoskins, Laban A., assignor.)
- Earl, George G., New Orleans, La. Automatic controlling or regulating apparatus. No. 1,211,830; Jan. 9; v. 234; p. 533.
- Earl, George G., New Orleans, La. Automatic controlling or regulating apparatus. No. 1,240,325; Sept. 18; v. 242; p. 575.
- Earl, George G., and A. B. Wood, New Orleans, La. Fluid-metering system. No. 1,212,149; Jan. 9; v. 234; p. 643.

Alphabetical list of patentees—Continued.

- Earl, George G., and A. B. Wood, New Orleans, La. Fluid-metering system. No. 1,212,150; Jan. 9; v. 234; p. 643.
- Earl & Wilson. (See Turrell, John C., assignor.)
- Earle, George W., Hempstead, N. Y. Preventing or extinguishing fires in oil-tanks. No. 1,221,038; Apr. 3; v. 237; p. 12.
- Earle, Guyon L. C., Forest Hills, N. Y. Apparatus for returning water of condensation to boilers, &c. No. 1,223,944; Apr. 24; v. 237; p. 1131.
- Earle, Reginald W., assignor to K. F. Goodyear, New York, N. Y. Gas-lighting system. No. 1,239,092; Sept. 4; v. 242; p. 119.
- Earl, Charles I., New York, N. Y. Trolley-catcher. No. 1,249,729; Dec. 11; v. 245; p. 406.
- Earnest, Walter H., Meadville, Pa. Electrode grip-handle. No. 1,247,800; Nov. 27; v. 244; p. 885.
- Earnshaw, George F., assignor to Earnshaw Knitting Co., Chicago, Ill. Child's sleeping-garment. No. 1,221,710; Apr. 3; v. 237; p. 246.
- Earnshaw Knitting Co. (See Earnshaw, George F., assignor.)
- Earp-Thomas, George H., Glen Ridge, assignor of one-half to H. K. Hannah, Montclair, N. J. Fertilizer composition and making same. No. 1,212,196; Jan. 16; v. 234; p. 688.
- Easby, Thomas B., Brooklyn, and D. V. Louvet, Richmond Hill, assignors to New York Stamping Company, Brooklyn, N. Y. Fish-scaler. No. 1,236,369; Aug. 7; v. 241; p. 266.
- Easley, Arle E. (See Mozingo, William H., assignor.)
- Eason, Richard B., Jr., New York, N. Y. Hollow composition wall construction. No. 1,228,417; June 5; v. 239; p. 14.
- Eason, William S., Sag Harbor, N. Y. Pantographic engraving-machine. No. 1,235,668; Aug. 7; v. 241; p. 44.
- East, Arthur E., Delia, assignor of one-half to J. J. Beckham, Limestone county, Tex. Cotton-chopper. No. 1,247,246; Nov. 20; v. 244; p. 691.
- Eastburg, Connie H., Idaho Falls, Idaho. Scythe. No. 1,218,535; Mar. 6; v. 236; p. 223.
- Eastburn, Oliver W., Jr., Kennett Square, Pa. Steering-wheel rim. No. 1,214,288; Jan. 30; v. 234; p. 1481.
- Easterday, Philip S., Portland, Oreg. Reinforced concrete construction. No. 1,226,954; May 22; v. 238; p. 1102.
- Easterly, Wilbert S., Waldron, Kans. Wheelwright-machine. No. 1,237,762; Aug. 21; v. 241; p. 789.
- Eastern Manufacturing Company. (See Guild, Henry J., assignor.)
- Eastern Steel Company, The. (See Knapp, David R., assignor.)
- Eastham, J. Maley, *et al.* (See Bradley, Richard C., assignor.)
- Eastham, James M., Shreveport, La. Deep-well pump. No. 1,221,519; Apr. 3; v. 237; p. 182.
- Eastland, Van. (See Broyles, Charles M., assignor.)
- Eastman, Elbert W., La Grande, Oreg. Notary's seal. No. 1,250,994; Dec. 25; v. 245; p. 870.
- Eastman, Ernest A., assignor of one-half to The Crawford, McGregor and Canby Co., Dayton, Ohio. Pattern-lathe. No. 1,241,838; Oct. 2; v. 243; p. 118.
- Eastman, Frank M., *et al.* (See Moore, Samuel E., assignor.)
- Eastman, Harry N., Dayton, assignor to The La French Power Spark Plug Company, Columbus, Ohio. Spark-plug. No. 1,237,264; Aug. 14; v. 241; p. 590.
- Eastman, Harry N., Dayton, assignor to The La French Power Spark Plug Company, Columbus, Ohio. Spark-plug. No. 1,237,265; Aug. 14; v. 241; p. 590.
- Eastman, Ivan L., Lima, Ohio. Rotary engine. No. 1,242,332; Oct. 9; v. 243; p. 315.
- Eastman, Joel D., *et al.* (See Peters, Frank E., assignor.)
- Eastman Kodak Company. (See Barnes, Frederick W., assignor.)
- Eastman Kodak Company. (See Becker, Joseph, assignor.)
- Eastman Kodak Company. (See Becker, Reinhold S., assignor.)
- Eastman Kodak Company. (See Blyth, John, assignor.)
- Eastman Kodak Company. (See Crabtree, John I., assignor.)
- Eastman Kodak Company. (See Darling, Harry R., assignor.)
- Eastman Kodak Co. (See Folmer, William F., assignor.)
- Eastman Kodak Company. (See Gaisman, Henry J., assignor.)
- Eastman Kodak Company. (See Gaumont, Leon, assignor.)
- Eastman Kodak Company. (See Gray, Harry L., assignor.)
- Eastman Kodak Company. (See Kroedel, Robert, assignor.)
- Eastman Kodak Company. (See Lovejoy, Frank W., assignor.)
- Eastman Kodak Company. (See Marks, Paul J., assignor.)
- Eastman Kodak Company. (See Marshall, Walter D., assignor.)
- Eastman Kodak Company. (See Meyering, Bernard H., assignor.)
- Eastman Kodak Company. (See Riddell, William A., assignor.)
- Eastman Kodak Company. (See Robertson, John A., assignor.)
- Eastman Kodak Company. (See Ruttan, Alfred A., assignor.)
- Eastman Kodak Company. (See Ruttan and Hutchings, assignors.)
- Eastman Kodak Company. (See Speidel, Charles F., assignor.)
- Eastman Kodak Company. (See Underwood and Reynolds, assignors.)
- Eastman Machine Company. (See Shingler, Thomas, assignor.)
- Eastman, Sarah N., administratrix. (See Goodwin, John F., assignor.)
- Easton, Frank S., Stamford, Conn., assignor of one-half to A. M. Suter, Taughannock Falls, N. Y. Cup-holder. No. 1,224,617; May 1; v. 238; p. 179.
- Easton, James B., New York, N. Y. Window-ventilator. No. 1,238,651; Aug. 28; v. 241; p. 1107.
- Easton, Leander, Roslyn, Ill. Agricultural implement. No. 1,219,444; Mar. 20; v. 236; p. 607.
- Easy Truss Company, The. (See Bobo, Walter T., assignor.)
- Eaton, Albert M., Santa Monica, Cal. Pneumatic retrieving-trolley. No. 1,220,323; Mar. 27; v. 236; p. 954.
- Eaton, Albert N., Omaha, Nebr. Grain-bin. No. 1,217,424; Feb. 27; v. 235; p. 1161.
- Eaton, Albert N., Omaha, Nebr. Stock-watering device. No. 1,220,404; Mar. 27; v. 236; p. 982.
- Eaton, Benjamin M., Winthrop, Mass. Packaging-receptacle. No. 1,242,534; Oct. 9; v. 243; p. 378.
- Eaton, Charles B., Belfast, Me. Necktie-holder. No. 1,244,435; Oct. 23; v. 243; p. 1031.
- Eaton, Crane & Pike Co. (See Holmes, Arthur E., assignor.)
- Eaton, George, Baltimore, Md. Variable-speed gearing. No. 1,223,862; Apr. 24; v. 237; p. 1104.
- Eaton, George E. (See Schiefer, Lawrence R., assignor.)
- Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,214,143; Jan. 30; v. 234; p. 1430.
- Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric locomotive. No. 1,233,329; July 17; v. 240; p. 658.
- Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Axle-collar. No. 1,239,893; Sept. 11; v. 242; p. 404.
- Eaton, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Locomotive. No. 1,241,500; Oct. 2; v. 243; p. 7.
- Eaton, Harrison H., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for operating on the soles of boots and shoes. No. 1,222,855; Apr. 17; v. 237; p. 721.
- Eaton, Harrison H., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Grinding-machine. No. 1,228,418; June 5; v. 239; p. 15.
- Eaton, Harrison H., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Cutting-machine. No. 1,249,930; Dec. 11; v. 245; p. 467.
- Eaton, Howard R. (See Goodman and Eaton.)
- Eaton, James F., assignor to Standard Oil Company, Richmond, Cal. Corrugated metallic barrel. No. 1,249,606; Dec. 11; v. 245; p. 370.
- Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Motor-control system. No. 1,233,854; July 17; v. 240; p. 831.
- Eaton, Joseph J., and A. V. Free, Yonkers, N. Y. Score-card for golf. No. 1,224,452; May 1; v. 238; p. 122.
- Eaton, Willie C., Lead Hill, Ark. Track-liner. No. 1,234,738; July 31; v. 240; p. 1184.
- Eaton, William S., Sag Harbor, assignor to American Bank Note Company, New York, N. Y. Intaglio printing-plate and making same. No. 1,215,354; Feb. 13; v. 235; p. 338.
- Eaton, William S., Sag Harbor, N. Y., assignor to American Bank Note Company. Geometrical machine. No. 1,241,721; Oct. 2; v. 243; p. 81.
- Eaton, William S., Sag Harbor, N. Y., assignor to American Bank Note Company. Geometrical machine. No. 1,241,722; Oct. 2; v. 243; p. 82.
- Eaton, William S., Sag Harbor, N. Y., assignor to American Bank Note Company. Geometrical machine. No. 1,241,723; Oct. 2; v. 243; p. 82.
- Ebeling, Frederick W., Hoboken, N. J., assignor to King & Wotherspoon, Incorporated, New York, N. Y. Safety air-relief valve. No. 1,229,726; June 12; v. 239; p. 504.
- Eberhard, George F., and W. T. Maloney, Trenton, N. J., assignors to Robt. H. Ingersoll & Bro. Watch. No. 1,247,515; Nov. 20; v. 244; p. 765.
- Eberhardt, Frank E. (See Eberhardt, Henry E., F. E., and H. J.)
- Eberhardt, Gustav A., Chicago, Ill. Shock-absorber. No. 1,234,312; July 24; v. 240; p. 1014.
- Eberhardt, Henry E., F. E., and H. J., assignors to Newark Gear Cutting Machine Co., Newark, N. J. Gearing. No. 1,246,568; Nov. 13; v. 244; p. 458.
- Eberhardt, Henry J. (See Eberhardt, Henry E., F. E., and H. J.)
- Eberhardt, Steven, Martinez, Cal. Propeller. No. 1,229,243; June 12; v. 239; p. 341.
- Eberhart, August E. (See Borden and Eberhart.)

- Eberhart, Cleburne, Jr., Atlanta, Ga. Register and indicator for automobile gasoline-tanks. No. 1,242,664; Oct. 9; v. 243; p. 421.
- Eberhart, Felix, Newark, N. J., assignor to American Can Company, New York, N. Y. Can and attachable metallic label therefor. No. 1,227,122; May 22; v. 238; p. 1162.
- Eberhart, Felix, Newark, N. J., assignor to American Can Company, New York, N. Y. Manufacturing lithographed cans. No. 1,227,123; May 22; v. 238; p. 1162.
- Eberhart, Felix, Newark, N. J., assignor to American Can Company, New York, N. Y. Lap-seam can. No. 1,227,596; May 29; v. 238; p. 1345.
- Eberhart, Stella, Des Moines, Iowa. Combination domino and chart device for seat work in numbers. No. 1,228,889; June 5; v. 239; p. 175.
- Eberle, John C., and B. Storch, New York, N. Y. Means for forming concrete columns. No. 1,231,342; June 26; v. 239; p. 1111.
- Eberle, Louis J. (See Burnell and Eberle.)
- Eberlein, Paul H. (See Creelius and Eberlein.)
- Eberley, George W., Whitesboro, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Collaret-strip. No. 1,215,128; Feb. 6; v. 235; p. 225.
- Eberly, Austin D., Spokane, Wash. Starting and stopping mechanism for engines. No. 1,215,639; Feb. 13; v. 235; p. 443.
- Eberly, Austin D., Spokane, Wash. Trolley-retriever. No. 1,219,713; Mar. 20; v. 236; p. 701.
- Eberly, Edgar, and W. G. Fetrow, Mechanicsburg, Pa. Sheaf-hoist. No. 1,213,604; Jan. 23; v. 234; p. 1217.
- Eberly, William M., assignor to Domestic Engine & Pump Co., Shippensburg, Pa. Diaphragm-pump. No. 1,219,714; Mar. 20; v. 236; p. 702.
- Ebert, Harry, Frederick, Md. Shutter-bower. No. 1,216,968; Feb. 20; v. 235; p. 960.
- Ebert, John W., Winona, Minn. Automatic railway-gate. No. 1,248,093; Nov. 27; v. 244; p. 964.
- Ebert, Otto, Cleveland, Ohio. Hollow mill. No. 1,227,533; May 22; v. 238; p. 1295.
- Ebinger, David A. and D. H., Columbus, Ohio. Water-closet structure. No. 1,213,343; Jan. 23; v. 234; p. 1126.
- Ebinger, David H. (See Ebinger, David A. and D. H.)
- Eble, Frank J., New York, N. Y. Wrench. No. 1,215,640; Feb. 13; v. 235; p. 443.
- Ebner, Raymond, *et al.* (See Powell, George E., assignor.)
- Ebrill, George, Blackrock, and T. Kiersey, assignors to Ebrill's Process Limited, Dublin, Ireland. Separation of casein and albumen from creamery-sewage. No. 1,229,919; June 12; v. 239; p. 568.
- Ebrill's Process Limited. (See Ebrill and Kiersey, assignors.)
- Eby, Earl E., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Vacuum-tight seal. No. 1,223,777; Apr. 24; v. 237; p. 1075.
- Eby, Earl E., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Auxiliary apparatus for vapor-converters. No. 1,226,067; May 15; v. 238; p. 767.
- Eby, Earl E., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Welding system. No. 1,229,728; June 12; v. 239; p. 504.
- Eby, Earl E., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Automatic pumping system. No. 1,248,467; Dec. 4; v. 245; p. 11.
- Eby, Earl E., Wilkinsburg, and S. W. Farnsworth, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Welding system. No. 1,229,727; June 12; v. 239; p. 504.
- Eby, Fred F. (See Witty, Eby, and Meader.)
- Eby, Philip, and J. A. Carron, assignors to German-American Button Company, Rochester, N. Y. Button-feeding machine. No. 1,237,315; Aug. 21; v. 241; p. 644.
- Eck Dynamo and Motor Company. (See Larsson, Gustaf M., assignor.)
- Eckart, Charles F., Olaa, Hawaii. Enhancing the growth of sugar-cane. No. 1,227,898; May 29; v. 238; p. 1449.
- Eckart, Charles F., Olaa, Hawaii. Increasing the yield of sugar-cane. No. 1,228,006; May 29; v. 238; p. 1486.
- Eckart, Charles F., Olaa, Hawaii. Increasing the yield and reducing the production cost of sugar-cane. No. 1,249,355; Dec. 11; v. 245; p. 299.
- Eckel, Guy E., Rushville, N. Y. Bicycle attachment. No. 1,211,303; Jan. 2; v. 234; p. 318.
- Eckelman, Fredrick C., New York, N. Y. Permutation-lock. No. 1,214,441; Jan. 30; v. 234; p. 1532.
- Eckenrod, Anna M., Altoona, Pa. Dust-bag. No. 1,216,787; Feb. 20; v. 235; p. 900.
- Eckenrode, Ernest G., Baltimore, Md. Drainage appliance. No. 1,229,423; June 12; v. 239; p. 403.
- Eckenroth, Philip, Philadelphia, assignor of six twenty-fifths to W. F. Hamilton, Cynwyd, and six twenty-fifths to F. J. Milon, William Penn, Pa. Valve. No. 1,217,725; Feb. 27; v. 235; p. 1268.
- Eckenroth, Philip, Philadelphia, assignor of six twenty-fifths to W. F. Hamilton, Cynwyd, and six twenty-fifths to Frank J. Milon, William Penn, Pa. Valve. No. 1,217,726; Feb. 27; v. 235; p. 1268.
- Eckenroth, Philip, Philadelphia, Pa. Valve. No. 1,232,421; July 3; v. 240; p. 293.
- Eckenroth, Philip, Philadelphia, Pa. Valve. No. 1,232,461; July 3; v. 240; p. 305.
- Eckerson, Charles H., Closter, assignor of one-half to G. J. Scott, Englewood, N. J. Camera. No. 1,226,955; May 22; v. 238; p. 1103.
- Eckerson, John L., New York, N. Y. Display-cabinet. No. 1,251,196; Dec. 25; v. 245; p. 928.
- Eckert, Clarence R., Chicago, Ill., assignor to The Barrett Company, New York, N. Y. Manufacturing coke from pitch and the product thereof. No. 1,213,763; Jan. 23; v. 234; p. 1268.
- Eckert, Frank, Chicago, Ill. Cake-turner. No. 1,214,522; Feb. 6; v. 235; p. 14.
- Eckert, George H., Syracuse, N. Y., assignor to Humphrey Gas Pump Company. Pressure control in pumping. No. 1,228,419; June 5; v. 239; p. 15.
- Eckert, George F. F., Wilkes-Barre, Pa. Tire-protector. No. 1,229,244; June 12; v. 239; p. 342.
- Eckert, George W., Butler, Ky. Adjustable screen. No. 1,211,560; Jan. 9; v. 234; p. 439.
- Eckert, Joseph, assignor to The Dayton Manufacturing Company, Dayton, Ohio. Brake-handle. No. 1,241,359; Sept. 25; v. 242; p. 931.
- Eckhardt, Adolph W., New York, N. Y. Pneumatic vehicle-wheel. No. 1,251,357; Dec. 25; v. 245; p. 976.
- Eckhardt, Jacob, St. Louis, Mo. Refrigerator. No. 1,250,821; Dec. 18; v. 245; p. 769.
- Eckman, Peter, Greeley, Colo. Sickle-blade holder. No. 1,212,615; Jan. 16; v. 234; p. 838.
- Eclipse Scaffolding Company, The. (See Whitney, Egbert, assignor.)
- Ecometer Company. (See Gebhart, John C., assignor.)
- Economic Machinery Company. (See Ekvall and Stake, assignors.)
- Economic Machinery Company. (See Stake, Herman, assignor.)
- Economic Machinery Company. (See Woodland, Frank O., assignor.)
- Economic Power and Products Company, The. (See Marsden, Mark W., assignor.)
- Economy Advertising Company. (See Ritchie, David A., assignor.)
- Economy Devices Corporation. (See Ball, Herman F., assignor.)
- Economy Devices Corporation. (See Stafford, Hal R., assignor.)
- Economy Engineering Company. (See Pavey and French, assignors.)
- Economy Furnace Company, The. (See Weber, Herman R., assignor.)
- Economy Fuse & Manufacturing Company. (See Eustice, Alfred L., assignor.)
- Economy Fuse & Manufacturing Company. (See Huxley, Henry M., assignor.)
- Economy Specialties Company. (See Smolik, Mathias, assignor.)
- Ecroyd, Walter T., Muncy, Pa. Automatic train-control mechanism. No. 1,242,665; Oct. 9; v. 243; p. 421.
- Edahl, Knute, Chicago, Ill. Shock-resisting mechanism. No. 1,221,428; Apr. 3; v. 237; p. 150.
- Eddingsaas, Halver O., Stoughton, Wis. Rotary-top table. No. 1,225,228; May 8; v. 238; p. 438.
- Eddison, W. Barton. (See Richardson, Eddison, and Read.)
- Eddowes, Archibald B., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Piston. No. 1,216,218; Feb. 13; v. 235; p. 649.
- Eddleman, Augustus B., *et al.* (See Hawley, Royal A., assignor.)
- Eddy, Arthur L. (See Eddy, Earl E., assignor.)
- Eddy, Bert S., Elmira, N. Y. Automatic line-closer for series electrical circuits. No. 1,242,333; Oct. 9; v. 243; p. 315.
- Eddy, Earl E., assignor of one-half to A. L. Eddy, Stony Creek, N. Y. Rail tie and fastener. No. 1,242,334; Oct. 9; v. 243; p. 315.
- Eddy, Frederick W., *et al.* (See Webster, Lewis E., assignor.)
- Eddy, Herbert G. (See Lundell and Eddy.)
- Eddy, Kenneth L., Chicago, Ill., assignor, by mesne assignments, to Automatic Utilities Co. Card for loose-leaf devices. No. 1,210,437; Jan. 2; v. 234; p. 21.
- Eddy, Kenneth L., Chicago, Ill., assignor, by mesne assignments, to Automatic Utilities Co. Loose-leaf device. No. 1,211,690; Jan. 9; v. 234; p. 483.
- Eddy, Lloyd C., Buffalo, N. Y. Electric log. No. 1,248,637; Dec. 4; v. 245; p. 63.
- Eddy, Perry L., Cripple Creek, Colo. Airship. No. 1,222,939; Apr. 17; v. 237; p. 749.
- Eddy, William H., Superior, Wis. Fire-hose valve. No. 1,229,245; June 12; v. 239; p. 342.
- Edeburn, Alfred N., assignor to The Cleveland Galvanizing Works, Cleveland, Ohio. Chain-link. No. 1,211,421; Jan. 9; v. 234; p. 392.
- Edelbertz, Bernard. (See Kondratieff, Dmitrie S., assignor.)
- Edelman, Philip E., Minneapolis, Minn. Apparatus for wireless telegraphy and the like. No. 1,214,022; Jan. 30; v. 234; p. 1390.
- Edelmann, Erich, Chicago, Ill. Syringe-hydrometer housing. No. 1,245,449; Nov. 6; v. 244; p. 92.

- Eden, Francis R., Montclair, N. J. Treating coffee. No. 1,216,671; Feb. 20; v. 235; p. 860.
- Eden, Harold W., Chicago, Ill., assignor to Brokaw-Eden Manufacturing Company. Driving means. No. 1,241,100; Sept. 25; v. 242; p. 848.
- Eden, James A., Jr., Springfield, Mass., assignor to Bauch Machine Tool Company. Tapping-machine. No. 1,236,414; Aug. 14; v. 241; p. 315.
- Eden, John, Attleboro, Mass. Holder. No. 1,228,420; June 5; v. 239; p. 16.
- Edel, Lucas, St. Louis, Mo. Casting. No. 1,224,618; May 1; v. 238; p. 179.
- Edelman, Hyman, Chicago, Ill. Garment. No. 1,225,732; May 8; v. 238; p. 609.
- Edelson, Harry, assignor to Regal Button Works, Inc., Philadelphia, Pa. Button and fastening device therefor. No. 1,227,124; May 22; v. 238; p. 1162.
- Edens, Henry M., New Holstein, Wis. Carbureter. No. 1,237,490; Aug. 21; v. 241; p. 700.
- Edgar, Charles E., Kansas City, Mo. System of lubrication. No. 1,251,197; Dec. 25; v. 245; p. 929.
- Edgar, Robert A., Carlyle, assignor of two-fifths to J. C. Hadley, Chanute, Kans. Seal. No. 1,234,739; July 31; v. 240; p. 1184.
- Edge, Dexter. (See Hunter and Edge.)
- Edgecomb, Henry R., Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Testing device. No. 1,231,580; July 3; v. 240; p. 13.
- Edgecomb, Henry R., Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Process of and apparatus for manufacturing composite sheet material. No. 1,239,894; Sept. 11; v. 242; p. 404.
- Edgecomb, Henry R., Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Mixing and measuring machine. No. 1,241,501; Oct. 2; v. 243; p. 8.
- Edgington, Arthur C. (See Edgington, James M. and A. C.)
- Edgington, James M. and A. C., Chillicothe, Ohio. Underpan construction for automobiles. No. 1,213,848; Jan. 30; v. 234; p. 1329.
- Edholm, Fredric, Eskilstuna, Sweden. Fuel-pump of internal-combustion engines. No. 1,222,270; Apr. 10; v. 237; p. 476.
- Edinger, Calvin H., Fairview, W. Va. Vessel-propelling device. No. 1,229,729; June 12; v. 239; p. 505.
- Edison Storage Battery Company. (See Kammerhoff, Heinrich H. M., assignor.)
- Edison, Thomas A. (See Bliss, Donald M., assignor.)
- Edison, Thomas A., Llewellyn Park, Orange, N. J. Constructing concrete buildings. No. 1,219,272; Mar. 13; v. 236; p. 518.
- Edison, Thomas A., Llewellyn Park, assignor to New Jersey Patent Company, West Orange, N. J. Alternating-current rectifier. No. 1,221,981; Apr. 10; v. 237; p. 374.
- Edison, Thomas A., Llewellyn Park, assignor to New Jersey Patent Company, West Orange, N. J. Celluloid record-blank. No. 1,234,450; July 24; v. 240; p. 1060.
- Edison, Thomas A., Llewellyn Park, assignor to New Jersey Patent Company, West Orange, N. J. Mold or transfer plate. No. 1,234,451; July 24; v. 240; p. 1060.
- Edison, Thomas A., Llewellyn Park, assignor to New Jersey Patent Company, West Orange, N. J. Celluloid record-blank. No. 1,248,468; Dec. 4; v. 245; p. 12.
- Edlich, Paul, Passaic, N. J. Flow-indicating valve. No. 1,215,129; Feb. 6; v. 235; p. 225.
- Edlin, Frederick W., Liverpool, England. Construction of floors and the like. No. 1,214,442; Jan. 30; v. 234; p. 1532.
- Edmond, George W., deceased, El Paso, Tex.; L. C. Edmond, executor. Vehicle-signal. No. 1,243,824; Oct. 23; v. 243; p. 849.
- Edmond, Leo C., executor. (See Edmond, George W.)
- Edmonds, Charles T., assignor of one-half to R. L. Cochran, Drumright, Okla. Liquid-fuel burner. No. 1,226,871; May 22; v. 238; p. 1075.
- Edmonds, James W. (See Wagner, William F., assignor.)
- Edmonds, John W., Newton Center, Mass., assignor to Central Railway Signal Company, Pittsburgh, Pa. Railway signal-fusee. No. 1,236,692; Aug. 14; v. 241; p. 408.
- Edmonds, Laben S., Chapmanville, W. Va. Stove-lid lifter. No. 1,225,601; May 8; v. 238; p. 566.
- Edmonds, Roland, assignor of one-third to L. Braun and one-third to V. C. Crofts, Vancouver, British Columbia, Canada. Ball-bearing caster. No. 1,231,510; June 26; v. 239; p. 1172.
- Edmonds, Roland, assignor of one-third to L. Braun and one-third to V. C. Crofts, Vancouver, British Columbia, Canada. Ball-bearing caster. No. 1,233,330; July 17; v. 240; p. 658.
- Edmonds, Samuel O., New York, N. Y., assignor to Hendrick Manufacturing Company, Carbondale, Pa. Screen. No. 1,212,151; Jan. 9; v. 234; p. 644.
- Edmonds, Walter D. (See Ladoff, Isador, assignor.)
- Edmonson, Seth T., Perkins, Okla. Hay-press. No. 1,246,569; Nov. 13; v. 244; p. 458.
- Edmunds, Clifford S. (See Snapp, Robert W., assignor.)
- Edmunds and Jones Corporation. (See Godley, Charles E., assignor.)
- Edmunds, Ralph D., Lomax, Ill. Anticlogging salt-shaker. No. 1,238,118; Aug. 28; v. 241; p. 934.
- Edmunds, Ralph D., Lomax, Ill. Supporting device. No. 1,238,119; Aug. 28; v. 241; p. 935.
- Edmundson, Jerone J., Birmingham, Ala. Apparatus for dispensing beverages. No. 1,246,804; Nov. 13; v. 244; p. 527.
- Edquist, Olof, Denver, Colo. Propelling mechanism. No. 1,245,208; Nov. 6; v. 244; p. 20.
- Edsall, William H., Wallingford, Conn., assignor to H. L. Judd Company, New York, N. Y. Curtain-rod and bracket. No. 1,210,619; Jan. 2; v. 234; p. 84.
- Edsall, William H., and H. E. Chase, Wallingford, Conn., assignors to The H. L. Judd Company, New York, N. Y. Curtain-rod. No. 1,220,158; Mar. 20; v. 236; p. 861.
- Edtbauer, Petronella, Chicago, Ill. Weighing-machine. No. 1,224,289; May 1; v. 238; p. 63.
- Educational Motion Picture Machine & Film Co. (See Hill, Harry M., assignor.)
- Edward F. Caldwell & Company. (See Tizley, Arthur J., assignor.)
- Edward G. Budd Manufacturing Co. (See Budd, Edward G., assignor.)
- Edward G. Budd Manufacturing Co. (See Ledwinka, Joseph, assignor.)
- Edward Katzinger Company. (See Katzinger, Edward and S. C., assignors.)
- Edward Manufacturing Company, The. (See Oleson, Olaf E., assignor.)
- Edward Miller & Co. (See Williams, Frank T., assignor.)
- Edward Miller & Company. (See Teague, Horace B. S., assignor.)
- Edward Steam Specialty Co., The. (See Oleson, Olaf E., assignor.)
- Edwards, Albert, Brooklyn, N. Y., assignor to John Simmons Company. Self-closing receptacle. No. 1,238,993; Sept. 4; v. 242; p. 88.
- Edwards, Alonzo L., assignor to Wheeling Stamping Company, Wheeling, W. Va. Metal top for bottles and like receptacles. No. 1,214,523; Feb. 6; v. 235; p. 14.
- Edwards, Alrah B., Chicago, Ill., assignor to Shortwriter Company, Wilmington, Del. Keyboard for writing-machines. No. 1,214,023; Jan. 30; v. 234; p. 1390.
- Edwards, Alrah B., Chicago, Ill., and F. K. Russell, Dallas, Tex., assignors to Shortwriter Company, Wilmington, Del. Keyboard for writing-machines. No. 1,222,748; Apr. 17; v. 237; p. 685.
- Edwards, Alrah B., Chicago, Ill., and F. K. Russell, Dallas, Tex., assignors to Shortwriter Company, Wilmington, Del. Writing-machine. No. 1,224,085; Apr. 24; v. 237; p. 1178.
- Edwards, Artist A., New Wilson, Okla. Chicken-brooder. No. 1,210,438; Jan. 2; v. 234; p. 21.
- Edwards, Beulah E., Liscomb, Iowa. Stamp and envelop moistener. No. 1,222,940; Apr. 17; v. 237; p. 750.
- Edwards, Bruce V., Newark, N. J., assignor, by mesne assignments, to The Burchell-Johnston Corporation. Thermostatic apparatus. No. 1,211,116; Jan. 2; v. 234; p. 254.
- Edwards, Bruce V., Newark, N. J., assignor, by mesne assignments, to The Burchell-Johnston Corporation. Thermostatic apparatus. No. 1,211,117; Jan. 2; v. 234; p. 254.
- Edwards, Bruce V., Newark, N. J., assignor to O. S. Campbell, New York, N. Y. Oyster-shucking machine. No. 1,212,464; Jan. 16; v. 234; p. 785.
- Edwards, Bruce V., Newark, N. J., assignor to E. R. Dunham, New York, N. Y. Automatic stoker. No. 1,249,048; Dec. 4; v. 245; p. 179.
- Edwards, Carleton U., Fort Hunt, Va. Damper and draft controlling device. No. 1,217,927; Mar. 6; v. 236; p. 15.
- Edwards, Charles C., Phoenix, Ariz. Mess and ice box. No. 1,221,711; Apr. 3; v. 237; p. 246.
- Edwards, Claude M., Galveston, Tex. Soldering iron or copper. No. 1,218,636; Mar. 13; v. 236; p. 296.
- Edwards & Company. (See Blair, David E., assignor.)
- Edwards & Company. (See Smith, William J., assignor.)
- Edwards, Daniel G., Atlanta, Ga. Cable-banger. No. 1,215,009; Feb. 6; v. 235; p. 187.
- Edwards, David, Brooklyn, N. Y. Roll-screen for windows. No. 1,246,570; Nov. 13; v. 244; p. 459.
- Edwards, Edward A. (See Edwards, Levi T., assignor.)
- Edwards, Evan J., Cleveland, Ohio, assignor to General Electric Company. Vehicle-lamp. No. 1,214,524; Feb. 6; v. 235; p. 15.
- Edwards, Harrison S., Hardyville, Ky. Baling-press. No. 1,248,292; Nov. 27; v. 244; p. 1022.
- Edwards, Henry E. (See Buch, Max, assignor.)
- Edwards, Henry E., Jackson, Mich. Vehicle-top. No. 1,210,439; Jan. 2; v. 234; p. 21.
- Edwards Instrument Company. (See Darling, Arthur R., assignor.)
- Edwards, Isaac L., Aurora, Ill. Rail-stay. No. 1,211,561; Jan. 9; v. 234; p. 440.
- Edwards, James B., assignor of one-half to Gibbes Machinery Company, Columbia, S. C. Machine for turning off crank-pins and like parts. No. 1,239,369; Sept. 4; v. 242; p. 207.
- Edwards, John, Flagstaff, Ariz. Condiment-holder. No. 1,226,759; May 22; v. 238; p. 1036.
- Edwards, John J., Vancouver, Wash. Rotary harrow. No. 1,251,198; Dec. 25; v. 245; p. 929.
- Edwards, Levi T., Philadelphia, assignor to E. A. Edwards, Bryn Mawr, Pa. Method and apparatus for lifting water. No. 1,213,170; Jan. 23; v. 234; p. 1064.

- Edwards Manufacturing Company, The. (See Brown, Silas B., assignor.)
- Edwards Mfg. Company, The. (See Wells, John T., assignor.)
- Edwards, Marmaduke, Halesite, N. Y. Street-sweeper. No. 1,216,969; Feb. 20; v. 235; p. 960.
- Edwards, Oliver M. (See Ohnstrand, Enoch, assignor.)
- Edwards, Oliver M. (See Stuck, Everett, assignor.)
- Edwards, Oliver M., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Sash-holding means. No. 1,251,199; Dec. 25; v. 245; p. 929.
- Edwards, Oliver P., assignor to The Temco-Electric Motor Company, Leipsic, Ohio. Spring suspension for automobiles. No. 1,230,466; June 19; v. 239; p. 786.
- Edwards, Ralph H., assignor to Modern Specialty Company, Indianapolis, Ind. Ventilator and radiator appliance. No. 1,242,666; Oct. 9; v. 243; p. 422.
- Edwards, Thomas, *et al.* (See Myerscough, Thomas L., assignor.)
- Edwards, Thomas J., Jamesport, Mo. Lock whip-socket. No. 1,224,619; May 1; v. 238; p. 180.
- Edwards, Thomas P., Hazel Green, Wis. Pad-holder. No. 1,229,730; June 12; v. 239; p. 505.
- Edwards, Van Every, Decatur, assignor of one-half to O. B. Wheeland, Riverton, Ill. Rotary steam-engine. No. 1,211,831; Jan. 9; v. 234; p. 533.
- Edwards, Victor E., assignor to Morgan Construction Company, Worcester, Mass. Feeding mechanism for metal-cutting shears. No. 1,228,543; June 5; v. 239; p. 58.
- Edwards, Victor E., assignor to Morgan Construction Company, Worcester, Mass. Treating metal rods. No. 1,232,014; July 3; v. 240; p. 161.
- Edwards, Walnac E., Goldfield, Nev. Tool-retainer for drilling-machines. No. 1,229,424; June 12; v. 239; p. 403.
- Edwards, Walter A., and W. W. Whipple, Vinton, Iowa. Crate. No. 1,246,249; Nov. 13; v. 244; p. 360.
- Edwards, Walter E., Buena Park, Cal. Releasing-pen-holder. No. 1,236,071; Aug. 7; v. 241; p. 176.
- Edwards, William, Ridgway, Pa. Mausoleum. No. 1,234,740; July 31; v. 240; p. 1184.
- Edwards, William C., Jr., Kansas City, Mo. Metal structural member and building construction. No. 1,211,562; Jan. 9; v. 234; p. 440.
- Edwards, William E., Lestershire, N. Y. Machine-brake. No. 1,216,424; Feb. 20; v. 235; p. 774.
- Edwards, William H. (See Proudft, Edwards, and Winters.)
- Edwards, William T., San Diego, Cal. Hair-pin. No. 1,216,970; Feb. 20; v. 235; p. 960.
- Edwin Harrington, Son & Co. (See Harrington and Scott, assignors.)
- Efficiency Motor Corporation. (See Clarke, Harry D., assignor.)
- Efficiency Motor-Device Corporation. (See Brunke, William C., assignor.)
- Efficiency Oil Corporation. (See Sterns, Edward, assignor.)
- Effrig, Anthony F., Perkasio, Pa. Insulator. No. 1,234,313; July 24; v. 240; p. 1014.
- Effront, Jean. (See Boidin and Effront.)
- Egan, Charles E., Charleston, assignor of one-third to C. A. Sembower, Clarksburg, and one-third to E. S. Baumgartner, Morgantown, W. Va. Vacant-seat indicator for theaters. No. 1,218,383; Mar. 6; v. 236; p. 172.
- Egan, James H., Ocean City, N. J. Slot-machine. No. 1,213,849; Jan. 30; v. 234; p. 1330.
- Egan, John W., Brooklyn, N. Y. Scraper. No. 1,228,890; June 5; v. 239; p. 175.
- Egan, William P., *et al.* (See Woodward, Erastus, assignor.)
- Egav, Louis A., Chicago, Ill., assignor of forty one-hundredths to M. A. Karaian, Weehawken, N. J. Hat-fastener. No. 1,246,071; Nov. 13; v. 244; p. 307.
- Egbers, Guy F., Pasco, Wash. Subcaliber-barrel. No. 1,217,162; Feb. 27; v. 235; p. 1072.
- Egbert, William E., Cleveland, Okla. Kitchen-cabinet. No. 1,221,796; Apr. 3; v. 237; p. 276.
- Egelhofer, William F., New York, N. Y. Signal. No. 1,248,469; Dec. 4; v. 245; p. 12.
- Eger, Edward M., and R. D. Klear, Pleasant Bend, Ohio. Poultry-crate. No. 1,242,160; Oct. 9; v. 243; p. 260.
- Egersdörfer, Fritz. (See Hammer and Egersdörfer.)
- Egerton, Henry C., Passaic, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Electric amplifier system. No. 1,232,514; July 10; v. 240; p. 359.
- Egerton, Henry C., Passaic, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Receiver-case. No. 1,232,515; July 10; v. 240; p. 359.
- Egerton, Henry C., Passaic, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Phonograph-transmitter. No. 1,246,895; Nov. 20; v. 244; p. 590.
- Eggart, Karl, assignor to Firm of A. Saurer, Arbon, Switzerland. Gearing. No. 1,210,775; Jan. 2; v. 234; p. 136.
- Eggart, Karl, assignor to Firm of A. Saurer, Arbon, Switzerland. Jacquard embroidery-machine. No. 1,210,776; Jan. 2; v. 234; p. 136.
- Eggart, Karl, assignor to Firm of A. Saurer, Arbon, Switzerland. Embroidering-machine. No. 1,214,525; Feb. 6; v. 235; p. 15.
- Eggart, Karl, assignor to the Firm of A. Saurer, Arbon, Switzerland. Fabric-frame for embroidering-machines. No. 1,234,741; July 31; v. 240; p. 1185.
- Eggart, Karl, assignor to the Firm of A. Saurer, Arbon, Switzerland. Mechanical movement. No. 1,234,742; July 31; v. 240; p. 1185.
- Eggart, Karl, and J. Fischer, assignors to Firm of A. Saurer, Arbon, Switzerland. Embroidering-machine. No. 1,213,344; Jan. 23; v. 234; p. 1126.
- EGGE, Emory S., Montgomery, Ala. Riding attachment for roller-skates. No. 1,247,801; Nov. 27; v. 244; p. 885.
- EGGE, George G., assignor of fifty-one one-hundredths to himself and forty-nine one-hundredths to J. C. Fischer, Montgomery, Ala. Bean-drier. No. 1,241,465; Sept. 25; v. 242; p. 962.
- EGGEN, Olive, Rushford, Minn. Car-seal holder. No. 1,232,778; July 10; v. 240; p. 445.
- Eggers, Anton C., Brooklyn, N. Y., assignor to The Good-year's India Rubber Glove Manufacturing Company. Pneumatic cushion. No. 1,230,690; June 19; v. 239; p. 860.
- Eggers, Anton C., Brooklyn, N. Y., assignor to The Good-year's India Rubber Glove Manufacturing Company. Operating-cushion. No. 1,235,669; Aug. 7; v. 241; p. 44.
- Eggers, Henry, Denver, Colo. Ore-pulverizing ball-mill. No. 1,235,449; July 31; v. 240; p. 1398.
- Eggers, Henry C., Portsmouth, N. H. Automobile direction-signal. No. 1,229,246; June 12; v. 239; p. 343.
- Eggers, Wilburn W., Malad City, Idaho. Tongs. No. 1,220,505; Mar. 27; v. 236; p. 1017.
- Eggersgluess, Albert, Oshkosh, Wis. Punching-machine attachment. No. 1,233,266; July 10; v. 240; p. 601.
- Eggert, Louis H., assignor to Bastian Brothers Co., Rochester, N. Y. Fastening means. No. 1,225,420; May 8; v. 238; p. 505.
- Eggleston, Robert N., assignor to Multipull Manufacturing Company, St. Louis, Mo. Pulling device. No. 1,248,470; Dec. 4; v. 245; p. 12.
- Eggleston, Walter B., and L. L. Chauncey, Binghamton, N. Y. Fireproof film-rewinder. No. 1,212,750; Jan. 16; v. 234; p. 888.
- Egleston, John, Westfield, Mass. Fire-extinguishing apparatus. No. 1,220,828; Mar. 27; v. 236; p. 1129.
- Egli, Edward, Riley, Ore. Tire and wheel carrier for automobiles. No. 1,251,209; Dec. 25; v. 245; p. 929.
- Egli, Ernst, assignor to Maschinenfabrik, Rütli, Rütli, Switzerland. Welt-replenishing apparatus for automatic looms worked with more than one shuttle. No. 1,237,316; Aug. 21; v. 241; p. 645.
- Egloff, Kurt. (See Baltesweiler and Egloff.)
- Egloff, Leopold C., Forest Park, Ill. Concrete wall construction. No. 1,240,690; Sept. 18; v. 242; p. 687.
- Egly, Georg, assignor to Gebrüder Siemens & Co., Berlin-Treptow, Germany. Flame-arc lamp and electrode therefor. No. 1,221,039; Apr. 3; v. 237; p. 13.
- Egoroff, Michael, Petrograd, Russia. Carbureter. No. 1,222,941; Apr. 17; v. 237; p. 750.
- Egry Register Company, The. (See Ferrabee, Ernest A., assignor.)
- Egry Register Company, The. (See Malm, Axel C. V., assignor.)
- Egry Register Company, The. (See Rauh, Leopold, assignor.)
- Egry Register Company, The. (See Stern, Milton C., assignor.)
- Ehalainen, Joseph, Nesika, Wash. Ash-receptacle. No. 1,237,763; Aug. 21; v. 241; p. 789.
- Ehart, Thomas B., Pittsburg, Kans. Extension-table. No. 1,217,727; Feb. 27; v. 235; p. 1269.
- Ehrhardt, T. G. (See Norpoth, Theodor, assignor.)
- Ehrler, Charles J., Pittsfield, Mass. Fishing device. No. 1,230,467; June 19; v. 239; p. 786.
- Ehrlich, Albert H., St. Joseph, Mo. Refrigerator display-counter. No. 1,227,765; May 29; v. 238; p. 1404.
- Ehrlich, Leo, assignor to L. T. Hay, St. Louis, Mo. Lock. No. 1,229,731; June 12; v. 239; p. 505.
- Ehrlich, William, New York, N. Y. Focusing attachment for cameras. No. 1,217,728; Feb. 27; v. 235; p. 1269.
- Ehrlich, William, assignor to Case & Martin Co., Chicago, Ill. Measure. No. 1,226,484; May 15; v. 238; p. 906.
- Ehrling, Gunnar E., assignor to Bates Valve Bag Company, Chicago, Ill. Intermittent operating mechanism for wire-machines. No. 1,233,457; July 17; v. 240; p. 702.
- Eibel, Francis J., New York, N. Y. Server for sugar tablets and similar commodities. No. 1,233,206; July 10; v. 240; p. 584.
- Eibye, Carl, East Boston, assignor to Wiltbounco Mfg. Co., Boston, Mass. Coal-sprinkler for locomotives. No. 1,232,516; July 10; v. 240; p. 360.
- Eibye, Carl, Boston, and C. A. Petersen, Beverly, Mass. Shock-absorber. No. 1,247,094; Nov. 20; v. 244; p. 647.
- Eichelberger, Edward J., Baton Rouge, La. Garbage-can. No. 1,233,997; July 17; v. 240; p. 876.
- Eichelberger, Walter C., assignor to Enger-Kress Pocket Book Co., West Bend, Wis. Edge-folding machine for pocket-book bodies. No. 1,225,790; May 15; v. 238; p. 672.
- Eichelberger, William. (See Light and Eichelberger.)

Alphabetical list of patentees—Continued.

- Eichhorn, Friedrich, administrator. (See Mauser, Paul.)
- Eichhorn, Hermann, and R. Becker, Elizabeth, N. J., assignors to The Singer Manufacturing Company. Casting or shield for power-tables. No. 1,223,681; Apr. 24; v. 237; p. 1041.
- Eichler, Armin, New York, N. Y. Paper and fabric. No. 1,218,599; Mar. 6; v. 236; p. 245.
- Eichler, Theodor. (See Schmidt, Hochschwender, and Eichler.)
- Eick, Otto, St. Louis, Mo. Labeling-machine. No. 1,230,138; June 19; v. 239; p. 676.
- Eickhof, Charles H., Chicago, Ill. Collapsible poultry-coop. No. 1,237,624; Aug. 21; v. 241; p. 743.
- Eickhoff, Ernest. (See Bicker, Edgar B., assignor.)
- Eickmier, Charles, Louisville, Ky. Fountain-brush. No. 1,220,506; Mar. 27; v. 236; p. 1018.
- Eidson Air Products Company, The. (See Eidson, Davis, and Crouse, assignors.)
- Eidson, Charles G., T. Davis, Baltimore, and D. E. Crouse, Annapolis, assignors, by mesne assignments, to The Eidson Air Products Company, Baltimore, Md. Pneumatic starting device for internal-combustion engines. No. 1,233,855; July 17; v. 240; p. 831.
- Eidson, Freddie E., and E. J. Stephenson, Moscow, Kans. Differential gearing. No. 1,243,720; Oct. 23; v. 243; p. 814.
- Eiermann, William, Brooklyn, N. Y. Ash-cart. No. 1,224,290; May 1; v. 238; p. 64.
- Eifel, Joseph, Chicago, Ill. Wrench. No. 1,244,966; Oct. 30; v. 243; p. 1231.
- Eifel, Joseph, Chicago, Ill. Wrench. No. 1,244,967; Oct. 30; v. 243; p. 1231.
- Eifel, Joseph, Chicago, Ill. Indicator for scales. No. 1,249,049; Dec. 4; v. 245; p. 180.
- Eigelbner, Harry B., Oak Park, Ill. Renovating butter. No. 1,210,918; Jan. 2; v. 234; p. 187.
- Eighmie, George D., New York, N. Y. Explosive turbine-engine. No. 1,230,139; June 19; v. 239; p. 677.
- Eighmie, George D., New York, N. Y. Gas-engine. No. 1,234,314; July 24; v. 240; p. 1014.
- Eiland, Coolie J. (See Sammons, Headley, Eiland, and Headley.)
- Eilers Music Company. (See Irvine, Richard S., assignor.)
- Eimer, Walter R., New York, N. Y. Grinding-machine for closure devices. No. 1,243,496; Oct. 16; v. 243; p. 712.
- Einfeldt, Ernest E., assignor to French & Hecht, Davenport, Iowa. Wheel. No. 1,211,422; Jan. 9; v. 234; p. 393.
- Einfeldt, Ernest E., assignor to French & Hecht, Davenport, Iowa. Wheel construction. No. 1,249,356; Dec. 11; v. 245; p. 300.
- Elinson, Morris M., New York, N. Y. Display-stand. No. 1,242,535; Oct. 9; v. 243; p. 378.
- Einstein, A. C., et al. (See Fay, John L., assignor.)
- Einstein, Alfred C., deceased; B. B. Einstein, administratrix, assignor to Union Electric Light and Power Company, St. Louis, Mo. Meter. No. 1,239,680; Sept. 11; v. 242; p. 335.
- Einstein, Blanche B., administratrix. (See Einstein, Alfred C.)
- Eiseman, Adelaide R., Baltimore, Md. Kitchen-table. No. 1,219,715; Mar. 20; v. 236; p. 702.
- Eiseman, Moses H., Chicago, Ill. Inflatable toy. No. 1,216,425; Feb. 20; v. 235; p. 775.
- Eisemann Magneto Co. (See Gassmann, Eugene, assignor.)
- Eisen, Jacob, assignor to Goldsmith, Stern & Co., New York, N. Y. Finger-measuring device for rings. No. 1,216,672; Feb. 20; v. 235; p. 860.
- Eisen, William M., assignor, by mesne assignments, to The Adjustable Artificial Limb Company, Inc., New York, N. Y. Artificial limb. No. 1,211,423; Jan. 9; v. 234; p. 393.
- Eisenberg, Louis, San Antonio, Tex. Automatic railway-switch. No. 1,238,006; Aug. 21; v. 241; p. 865.
- Eisendrath, Samson D., Chicago, Ill. Device for eliminating odors from gases, fumes, &c. No. 1,211,691; Jan. 9; v. 234; p. 483.
- Eisenhauer, John P., Port Huron, Mich. Filing-cabinet. No. 1,246,072; Nov. 13; v. 244; p. 307.
- Eisenhuth, John W., Detroit, Mich. Internal-combustion engine. No. 1,233,563; July 17; v. 240; p. 737.
- Eisenmann, Anton E., assignor of one-half to L. Weis, Hamilton, Ohio. Tool-holder. No. 1,235,298; July 31; v. 240; p. 1355.
- Eisenmann, Carl W., Nebraska City, Nebr. Automatic switch. No. 1,250,152; Dec. 18; v. 245; p. 568.
- Eisenschiml, Otto, assignor, by mesne assignments, to New Process Filler Co., Chicago, Ill. Shoe-filling composition. No. 1,224,153; May 1; v. 238; p. 13.
- Eisenstadt Manufacturing Company. (See O'Brien, John C., assignor.)
- Eisenstadt Manufacturing Company. (See Terry, John M., assignor.)
- Eising, Edwin R., New York, N. Y., assignor, by mesne assignments, to Hide-ite Leather Co. Leather-board and making the same. No. 1,234,315; July 24; v. 240; p. 1015.
- Eisler, Charles, Bloomfield, N. J. Adjustable drill-head. No. 1,246,250; Nov. 13; v. 244; p. 361.
- Ekama, Cornelius. (See Hay and Ekama.)
- Ekelund, John A., Minneapolis, Minn. Bottle-cap puller. No. 1,240,833; Sept. 25; v. 242; p. 766.
- Eklund, Alexander, Attleboro, Mass., assignor, by mesne assignments, to J. F. Sturdy's Sons Co. Bracelet-link. No. 1,215,920; Feb. 13; v. 235; p. 542.
- Eklund, Gustav. (See Dressel, Dawans, and Eklund.)
- Eklund, Walfrid S., Donner, La. Safety means for cranking internal-combustion engines. No. 1,228,304; May 29; v. 238; p. 1583.
- Eklund, Walfrid S., and W. E. Payne, Donner, La. Compression-starter for combustion-engines. No. 1,222,544; Apr. 10; v. 237; p. 573.
- Ekman, Albert C. (See Mullane and Ekman.)
- Ekroos, Sigurd W., Flushing, assignor to the G. Piel Company, Inc., Long Island City, N. Y. Flexible shaft. No. 1,244,186; Oct. 23; v. 243; p. 956.
- Ekstrom, Gustaf H., assignor to Rockford Tool Company, Rockford, Ill. Rubbing-machine. No. 1,237,491; Aug. 21; v. 241; p. 700.
- Ekstrom, Gustaf H., assignor to Rockford Tool Company, Rockford, Ill. Rubbing-machine. No. 1,238,062; Aug. 21; v. 241; p. 883.
- Ekstromer, Edward, Vancouver, British Columbia, Canada. Necktie. No. 1,211,118; Jan. 2; v. 234; p. 254.
- Ekvall, Arvid P., and H. Stake, assignors to Economic Machinery Company, Worcester, Mass. Can-labeling machine. No. 1,238,710; Aug. 28; v. 241; p. 1123.
- Ekvall, Carl O., Brooklyn, assignor to General Paper Goods Manufacturing Co., New York, N. Y. Patch-applying mechanism for window-envelops. No. 1,250,995; Dec. 25; v. 245; p. 870.
- Elam, Calvin, et al. (See Thomas, Solomon, assignor.)
- Elam, William B., assignor of one-half to J. E. Boot, Armour, S. D. Steering device for automobiles. No. 1,214,144; Jan. 30; v. 234; p. 1430.
- Elbe, Henry, Brooklyn, N. Y. Christmas-tree holder. No. 1,233,207; July 10; v. 240; p. 584.
- Elco Company, The. (See Chase, Irwin, assignor.)
- Elder, Edward H., Chicopee, Mass. Gun-barrel-rifling machine. No. 1,211,119; Jan. 2; v. 234; p. 254.
- Elder, James S., and H. J. Wilson, Fort Collins, Colo. Interlocking reversible feed-trough. No. 1,228,421; June 5; v. 239; p. 16.
- Elder, John, New York, N. Y. Sewer-trap. No. 1,233,856; July 17; v. 240; p. 832.
- Elder, Joseph H., assignor of one-half to J. C. Foster, Clarksville, Tex. Carton. No. 1,231,511; June 26; v. 239; p. 1173.
- Elder, Robert H. (See Milbach and Elder.)
- Elder, Thomas J., Hamilton, Tex. Vending-machine. No. 1,236,827; Aug. 14; v. 241; p. 452.
- Elder, Thomas W., Jr., Avalon, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Tank-car construction. No. 1,226,647; May 22; v. 238; p. 997.
- Eldred, Byron E., New York, N. Y., assignor to The Commercial Research Company. Making clad metals. No. 1,217,581; Feb. 27; v. 235; p. 1218.
- Eldred, Byron E., New York, N. Y., assignor to The Commercial Research Company. Rotary furnace structure. No. 1,238,394; Aug. 28; v. 241; p. 1025.
- Eldred, Byron E., and G. Mersereau, New York, N. Y. Cold-proof gas and making the same. No. 1,235,777. Aug. 7; v. 241; p. 81.
- Eldred, Byron E., and G. Mersereau, New York, N. Y., assignors to Chemical Development Company. Making unsaturated hydrocarbons. No. 1,234,886; July 31; v. 240; p. 1228.
- Eldred, Frank R., F. E. Bibbins, and R. N. Reed, assignors to The Eli Lilly and Company, Indianapolis, Ind. Cocoa extract and producing same. No. 1,218,536; Mar. 6; v. 236; p. 223.
- Eldred, Frank R., F. E. Bibbins, and R. N. Reed, assignors to The Eli Lilly and Company, Indianapolis, Ind. Preparing coca extracts. No. 1,235,450; July 31; v. 240; p. 1399.
- Eldredge, Henry C., Cincinnati, Ohio, and C. H. Ladd, Dayton, Ky. Sewing-machine. No. 1,248,094; Nov. 27; v. 244; p. 965.
- Eldredge, Hervey H., assignor of one-half to A. Wegner, Taylor, N. D. Front-wheel control for motor-vehicles. No. 1,223,573; Apr. 24; v. 237; p. 1001.
- Eldredge, Robert J., Waverly, Iowa. Reinforced-roof form. No. 1,227,255; May 22; v. 238; p. 1206.
- Eldridge, Ernest G., Alhambra, Cal. Lock. No. 1,250,996; Dec. 25; v. 245; p. 871.
- Eldridge, Ernest G., Alhambra, Cal. Lock. No. 1,250,997; Dec. 25; v. 245; p. 871.
- Eldridge, Hillary, New York, N. Y. Making metallic alloys. No. 1,246,571; Nov. 13; v. 244; p. 459.
- Eldridge, William H., Omaha, Nebr. Child's feeding device. No. 1,242,785; Oct. 9; v. 243; p. 459.
- Electelle Company. (See Dorricott, Charles W., assignor.)
- Electric Auto-Lite Company, The. (See Peters, John B., assignor.)
- Electric Boat Company. (See Davison, Gregory C., assignor.)
- Electric Boat Company. (See Davison and Anderson, assignors.)
- Electric Boat Company. (See De Graw, Harold M., assignor.)
- Electric Compositor Company. (See Bellows, Benjamin F., assignor.)
- Electric Compositor Company. (See Petri-Palmedo, David, assignor.)

- Electric Controller & Manufacturing Company, The. (See Barber, Floyd N., assignor.)
- Electric Controller and Manufacturing Company, The. (See Canfield, Harry R., assignor.)
- Electric Controller and Manufacturing Company, The. (See Hall, Jay H., assignor.) (Reissue.)
- Electric Controller & Manufacturing Company, The. (See Stratton, Harry F., assignor.)
- Electric Furnace Company, The. (See Baily and Cope, assignors.)
- Electric Furnace Company, The. (See Cope, Frank T., assignor.)
- Electric Knitting Co. (See Cummings, George W., assignor.)
- Electric Metal Working Company. (See Coffin, Charles L., assignor.)
- Electric Ore Separator Company. (See Weatherby, Joseph, assignor.)
- Electric Railway Improvement Company, The. (See Crecelius, Lawrence P., assignor.)
- Electric Railway Improvement Company, The. (See Crecelius and Eberlein, assignors.)
- Electric Railway Improvement Company, The. (See Herick, Albert B., assignor.)
- Electric Service Sales Co. (See Mulvany and Kennedy, assignors.)
- Electric Service Supplies Company. (See Englund, Axel H., assignor.)
- Electric Service Supplies Company. (See Mueller and Hainer, assignors.)
- Electric Storage Battery Company, The. (See Grant and Flanders, assignors.)
- Electric Storage Battery Company, The. (See Lobdell, Wilbur S., assignor.)
- Electric Tachometer Corporation, The. (See Kolff, Petrus V., assignor.)
- Electric Weighing Company. (See Messiter, Edwin H., assignor.)
- Electric Wheel Company. (See Mueller, Milton R., assignor.)
- Electrical Engineers Equipment Company. (See Getts, Frank E., assignor.)
- Electro Bleaching Gas Company. (See Ornstein, Georg, assignor.)
- Electro-Chemical Products Company. (See Hoofnagle, William T., assignor.)
- Electro-Chemical Rubber and Manufacturing Company. (See Daft, Leo, assignor.)
- Electro-Chemical Supply & Engineering Company. (See Meigs, Curtis C., assignor.)
- Electro-Chemical Supply & Engineering Company. (See Wedge, Utley, assignor.)
- Electro Dental Manufacturing Company. (See Russell, Percy, assignor.)
- Electro Dental Manufacturing Company. (See Russell, Sepas, and Wilford, assignors.)
- Electro-Fume Company, The. (See Slater and West, assignors.)
- Electro Metallurgical Company. (See Becket, Frederick M., assignor.)
- Electro Metallurgical Company. (See Price, Edgar F., assignor.)
- Electro Metals Products Company, The. (See Cooper, Hugh S., assignor.)
- Electro Set Company, The. (See Newman, Joseph S., assignor.)
- Electrolytic Products Company. (See Feldkamp, Payson, and Whipple, assignors.)
- Elektrizitätswerk Lönza. (See Tommasi, Nobile C., assignor.)
- Elektro-Osmose Aktiengesellschaft (Graf Schwerin Gesellschaft). (See Schwerin, Botho, assignor.)
- Elevator Efficiency Appliance Co. (See Spitzfaden, Bernhard, assignor.)
- Elevator Supplies Company. (See Cunningham, Charles G., assignor.)
- Elfborg, Henry G., assignor to American Manganese Steel Company, Chicago, Ill. Railway-crossing. No. 1,225,421; May 8; v. 238; p. 506.
- Elfborg, Henry G., assignor to Ajax Rail Anchor Company, Chicago, Ill. Rail-anchor. No. 1,230,468; June 19; v. 239; p. 786.
- Elfstrum, Axel F., Willmar, Minn. Roosting-pole. No. 1,224,453; May 1; v. 238; p. 122.
- Elger, Joseph, Chicago, Ill. Hot-water radiator having means therein to release the radiator of the air. No. 1,214,443; Jan. 30; v. 234; p. 1532.
- Elgin Tractor Corporation. (See Waite, Harry C., assignor.)
- Elgin, William F., Glen Olden, assignor to H. K. Mulford Company, Philadelphia, Pa. Vaccin-point. No. 1,233,998; July 17; v. 240; p. 877.
- Eli Lilly and Company, The. (See Davis, Alex B., assignor.)
- Eli Lilly and Company, The. (See Eldred, Bibbins, and Reed, assignors.)
- Eli Lilly and Company, The. (See Meader, John W., assignor.)
- Elia, Giovanni E., Turin, Italy. Ship protection against submarine explosions. No. 1,237,883; Aug. 21; v. 241; p. 826.
- Elia, Giovanni E., New York, N. Y. Device for protecting ships against submarine explosions. No. 1,246,073; Nov. 13; v. 244; p. 308.
- Elia, Giovanni E., assignor to Vickers Limited, Westminster, London, England. Submarine mine. No. 1,226,196; May 15; v. 238; p. 810.
- Elia, Giovanni E., assignor to Vickers Limited, Westminster, London, England. Submarine mine. No. 1,226,197; May 15; v. 238; p. 810.
- Elia, Giovanni E., assignor to Vickers Limited, Westminster, London, England. Submarine mine. No. 1,237,492; Aug. 21; v. 241; p. 701.
- Elias, George, Irvington, and W. Mendel, Newark, N. J. Electric-light shade. No. 1,217,582; Feb. 27; v. 235; p. 1219.
- Eliasoff, Abraham L., assignor to Eliasoff & Birnbaum, New York, N. Y. Swaging-die. No. 1,241,360; Sept. 25; v. 242; p. 931.
- Eliasoff, Abraham L., and C. Birnbaum, New York, N. Y. Cluster-top. No. 1,238,721; Aug. 28; v. 241; p. 1127.
- Eliasoff & Birnbaum. (See Eliasoff, Abraham L., assignor.)
- Eliaison, Carl R., Wetaskiwin, Alberta, Canada. Rotary engine. No. 1,211,563; Jan. 9; v. 234; p. 441.
- Ellicker, Lyman W. (See Niswanger, August T., assignor.)
- Eligh, Charles A., assignor to Long Manufacturing Company, Detroit, Mich. Tool for perforating corrugated material. No. 1,228,655; June 5; v. 239; p. 95.
- Elker, James W. (See Bearfield, Thomas N., assignor.)
- Elite Manufacturing Company, The. (See Burkholder, John H., assignor.)
- Elkhart Brass Manufacturing Company. (See Hansen, Albert E., assignor.)
- Elkin, Jacob G., New York, N. Y. Band-clamp. No. 1,219,273; Mar. 13; v. 236; p. 518.
- Elkins, Otto B., and M. S. Smith, assignors of one-fourth to N. Statham, Abbeville, Ga. Dental-rubber-dam holder and cutter. No. 1,230,284; June 19; v. 239; p. 726.
- Elkinton, William T. (See Hargrave and Wheeler, assignors.)
- El-Kay Mfg. Co., The. (See Moore and Morton, assignors.)
- Ellard, Hugh F., Missoula, Mont. Cable-grip. No. 1,217,163; Feb. 27; v. 235; p. 1072.
- Ellard, Hugh F., Missoula, Mont. Conveyor cable or rope. No. 1,225,020; May 8; v. 238; p. 369.
- Ellard, Hugh F., Missoula, Mont. Finger-link. No. 1,244,303; Oct. 23; v. 243; p. 993.
- Ellenberg, Joe, *et al.* (See Thompson, George F., assignor.)
- Ellenberger, Christian C. (See Leming and Ellenberger.)
- Ellenburg, Joe N., assignor of one-fifth to J. F. Dulaney, one-fifth to J. Thompson, one-fifth to G. Thompson, and one-fifth to W. T. Hartman, McKinney, Tex. Separator for seed-cotton. No. 1,216,673; Feb. 20; v. 235; p. 860.
- Eller, Pernel D. (See Eller, Tom and P. D.)
- Eller, Tom and P. D., Pampa, Tex. Worm drive mechanism for windmill-engines. No. 1,249,931; Dec. 11; v. 245; p. 467.
- Ellerman, Jan. (See Van Calcar, Ellerman, and Martijn.)
- Ellery, Robert L., Toledo, Ohio. Explosion-engine. No. 1,231,004; June 26; v. 239; p. 1005.
- Ellery, Robert L., Toledo, Ohio, assignor, by mesne assignments, to Pfanstiehl Company. Puppet-valve. No. 1,230,140; June 19; v. 239; p. 677.
- Ellery, Robert L., Toledo, Ohio, assignor to Pfanstiehl Company, North Chicago, Ill. Valve. (Reissue.) No. 14,412; Dec. 18; v. 245; p. 807.
- Ellett, Frederick S., Elmira, N. Y. Motor-cycle. No. 1,215,783; Feb. 13; v. 235; p. 492.
- Ellias, Albert T. (See Sharp and Ellias.)
- Ellcott Machine Corporation. (See Norris, John B., assignor.)
- Ellinger, Julian O., assignor to W. T. Romaine, New York, N. Y. Barrel. No. 1,215,355; Feb. 13; v. 235; p. 338.
- Ellingham, Robert W. (See Gustafson and Ellingham.)
- Ellington, Thomas H., Rice, Va. Padlock-protector. No. 1,248,293; Nov. 27; v. 244; p. 1023.
- Elliott, Alexander D., Viola, Ill. Convertible furniture. No. 1,249,932; Dec. 11; v. 245; p. 467.
- Elliott, Alexander D., Viola, assignor to G. Wenzelmann, Galesburg, Ill. Gate-hinge. No. 1,230,285; June 19; v. 239; p. 726.
- Elliott, Charles A., Engadine, Mich. Music-leaf turner. No. 1,220,077; Mar. 20; v. 236; p. 829.
- Elliott, Claud B. (See Hathaway and Elliott.)
- Elliott Company. (See Burke, William J., assignor.)
- Elliott Company. (See Hauer, Elmer E., assignor.)
- Elliott-Fisher Company. (See Foothorap, Harry A., assignor.)
- Elliott-Fisher Company. (See Martin, Olaf O., assignor.)
- Elliott-Fisher Company. (See Smith, John A., assignor.)
- Elliott, Francis A., Abingdon, Ill. Plastic composition. No. 1,238,072; Aug. 21; v. 241; p. 886.
- Elliott, Gale S., Needles, Cal. Electrical toy. No. 1,223,375; Apr. 24; v. 237; p. 930.
- Elliott, Glenn C., Maplewood, and J. W. Steinmeyer, assignors to American Car and Foundry Company, St. Louis, Mo. Drop-brake-shaft mechanism. No. 1,244,717; Oct. 30; v. 243; p. 1156.
- Elliott, Harry P., Lincoln, Nebr. Heating structure. No. 1,250,442; Dec. 18; v. 245; p. 656.

- Elliot, Henry B., assignor of one-half to L. N. Chipman, Cincinnati, Ohio. Automatic controlling means for window-sashes. No. 1,213,084; Jan. 16; v. 234; p. 1001.
- Elliott Machine Company. (See Elliott, Minnie S., assignor.) (Reissue.)
- Elliott, Minnie S., Grand Rapids, Mich., assignor, by mesne assignments, to Elliott Machine Company. Button-setting machine. (Reissue.) No. 14,344; Aug. 21; v. 241; p. 888.
- Elliott, Ora M. (See Baumgart, Otto C., assignor.)
- Elliott, Paul C., Lawrence, Kans. Internal-combustion engine. No. 1,230,286; June 19; v. 239; p. 726.
- Elliott Rim Chain & Tread Corporation. (See Elliott, Thaddious V., assignor.)
- Elliott, Sterling, Newton, Mass. Addressing-machine. No. 1,210,440; Jan. 2; v. 234; p. 22.
- Elliott, Sterling, Newton, Mass. Apparatus for moistening stencil-blanks. No. 1,210,441; Jan. 2; v. 234; p. 22.
- Elliott, Sterling, Newton, Mass. Gluing-machine for stencil-frames. No. 1,210,442; Jan. 2; v. 234; p. 22.
- Elliott, Sterling, Newton, Mass. Feeding mechanism for stencil-blanks. No. 1,210,443; Jan. 2; v. 234; p. 23.
- Elliott, Sterling, Newton, Mass. Addressing-machine. No. 1,220,734; Mar. 27; v. 236; p. 1096.
- Elliott, Sterling, Newton, Mass. Apparatus for water-proofing sized sheets. No. 1,230,068; June 12; v. 239; p. 615.
- Elliott, Sterling, Newton, Mass. Machine for making address-plates. No. 1,232,666; July 10; v. 240; p. 407.
- Elliott, Thaddious V., New York, assignor to Elliott Rim Chain & Tread Corporation, Esopus, N. Y. Tire. No. 1,226,320; May 15; v. 238; p. 856.
- Elliott, Thomas H., Selma, Cal. Duplex raisin and like cleaner. No. 1,246,572; Nov. 13; v. 244; p. 459.
- Elliott, Virginia M., Chicago, Ill. Kimono. No. 1,211,832; Jan. 9; v. 234; p. 534.
- Elliott, William, assignor to Dempster Mill Manufacturing Company, Beatrice, Nebr. Wheeled cultivator and the like. No. 1,246,896; Nov. 20; v. 244; p. 591.
- Elliott, William, Langlois, Oreg. Oil-can. No. 1,215,130; Feb. 6; v. 235; p. 226.
- Elliott, William E., Grand Rapids, Mich. Washer for button attachments. No. 1,220,829; Mar. 27; v. 236; p. 1129.
- Elliott, William J. (See Kenney and Elliott.)
- Elliott, William S., Pittsburgh, Pa. Steam-separator. No. 1,234,316; July 24; v. 240; p. 1015.
- Elliott, William S., Pittsburgh, Pa. Multiple-strainer system. No. 1,213,764; Jan. 23; v. 234; p. 1268.
- Elliott, William S., Pittsburgh, Pa. Oil-purifying system. No. 1,242,667; Oct. 9; v. 243; p. 422.
- Ellis, Alvarado L. R. (See Porter and Ellis.)
- Ellis, Alvarado L. R., Lynn, Mass., assignor to General Electric Company. Electrical apparatus. No. 1,232,253; July 3; v. 240; p. 240.
- Ellis, Amos, Flourtown, Pa. Cartridge. No. 1,220,208; Mar. 27; v. 236; p. 912.
- Ellis, Carleton, Montclair, N. J. Treating oils, &c. No. 1,216,971; Feb. 20; v. 235; p. 961.
- Ellis, Carleton, Montclair, N. J. Hydrogenation. No. 1,217,118; Feb. 20; v. 235; p. 1012.
- Ellis, Carleton, Montclair, N. J. Removing catalyzer from oil. No. 1,224,291; May 1; v. 238; p. 64.
- Ellis, Carleton, Montclair, N. J. Color concentrate for edible oil or fat composition. No. 1,224,910; May 8; v. 238; p. 332.
- Ellis, Carleton, Montclair, N. J. Product of hydrogenation. No. 1,226,620; May 15; v. 238; p. 949.
- Ellis, Carleton, Montclair, N. J. Ammonia-oxidation process. No. 1,237,884; Aug. 21; v. 241; p. 826.
- Ellis, Carleton, Montclair, N. J. Process and apparatus for treating oily material. No. 1,247,095; Nov. 20; v. 244; p. 647.
- Ellis, Carleton, Montclair, N. J. Treating oily materials. No. 1,247,516; Nov. 20; v. 244; p. 767.
- Ellis, Carleton, Montclair, N. J. Flame-proof insulating composition. No. 1,248,638; Dec. 4; v. 245; p. 63.
- Ellis, Carleton, Montclair, N. J. Making hydrogenated resin. No. 1,249,050; Dec. 4; v. 245; p. 180.
- Ellis, Carleton, Montclair, N. J. Manufacture of catalysts for hydrogenation. No. 1,251,201; Dec. 25; v. 245; p. 930.
- Ellis, Carleton, Montclair, N. J. Catalyst concentrate and making same. No. 1,251,202; Dec. 25; v. 245; p. 930.
- Ellis, Carleton, Montclair, N. J. Making a catalyst. No. 1,251,203; Dec. 25; v. 245; p. 930.
- Ellis, Carleton, Montclair, N. J. Making catalysts. No. 1,251,204; Dec. 25; v. 245; p. 930.
- Ellis, Carleton, Montclair, N. J., assignor to Radiant Heating Limited, Armley, Leeds, England. Apparatus for burning liquid fuel. No. 1,216,096; Feb. 13; v. 235; p. 606.
- Ellis, Carleton, Montclair, N. J., assignor to Radiant Heating Limited, Armley, Leeds, England. Sheet-heating furnace. No. 1,238,011; Aug. 21; v. 241; p. 866.
- Ellis, Carleton, Montclair, N. J., assignor to Radiant Heating Limited, Armley, Leeds, England. Producing heat. No. 1,239,776; Sept. 11; v. 242; p. 365.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Making white hydraulic cement and potash salts. No. 1,224,454; May 1; v. 238; p. 123.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Making sulfuric anhydrid. No. 1,227,044; May 22; v. 238; p. 1134.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Making nitric acid from ammonia. No. 1,233,564; July 17; v. 240; p. 738.
- Ellis, Carleton, Montclair, N. J., assignor of four-tenths to Ellis-Foster Company and six-tenths to Indestructible Paint Company, Ltd., London, England. Making varnish material. No. 1,242,161; Oct. 9; v. 243; p. 261.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Making briquets or other molded articles. No. 1,246,805; Nov. 13; v. 244; p. 527.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Co. Fibrous plastic composition and making same. No. 1,246,806; Nov. 13; v. 244; p. 528.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Briqueting process. No. 1,246,807; Nov. 13; v. 244; p. 528.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Weather-resistant briquet. No. 1,246,808; Nov. 13; v. 244; p. 528.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Concrete flooring and composition therefor. No. 1,246,827; Nov. 13; v. 244; p. 533.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Treating oils. No. 1,249,278; Dec. 4; v. 245; p. 246.
- Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Producing cement and potassium compounds. No. 1,250,291; Dec. 18; v. 245; p. 610.
- Ellis, Carleton, Montclair, N. J., assignor, by mesne assignments, to National Carbon Company, Long Island City, N. Y. Non-hydrated moisture-containing manganese depolarizing compound. No. 1,228,359; May 29; v. 238; p. 1602.
- Ellis, Carleton, Montclair, N. J., assignor, by mesne assignments, to National Carbon Company, Long Island City, N. Y. Manganous manganate and permanganate depolarizing agent. No. 1,232,904; July 10; v. 240; p. 487.
- Ellis, Carleton, Montclair, N. J., assignor, by mesne assignments, to National Carbon Company. Depolarizing agent. No. 1,236,693; Aug. 14; v. 241; p. 408.
- Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Varnish-removing composition. No. 1,229,247; June 12; v. 239; p. 343.
- Ellis, Carleton, Montclair, N. J., assignor to New Jersey Testing Laboratories. Flame-proof insulation. No. 1,246,809; Nov. 13; v. 244; p. 528.
- Ellis, Carleton, Montclair, N. J., assignor to New Jersey Testing Laboratories. Flame-proof insulation. No. 1,246,810; Nov. 13; v. 244; p. 528.
- Ellis, Carleton, and A. A. Wells, Montclair, N. J., assignors to Ellis-Foster Co. Making nitro compounds. No. 1,220,078; Mar. 20; v. 236; p. 829.
- Ellis, Carleton, and L. Rabinovitz, Montclair, N. J., assignors, by mesne assignments, of four-tenths to Ellis-Foster Company and six-tenths to Indestructible Paint Company, Ltd., London, England. Making varnish-bases. No. 1,226,760; May 22; v. 238; p. 1036.
- Ellis, Charles S., Chicago, Ill. Electric time-stamp. No. 1,213,345; Jan. 23; v. 234; p. 1127.
- Ellis, Charles S., Chicago, Ill. Hand-stamp. No. 1,219,383; Mar. 13; v. 236; p. 557.
- Ellis, Charles S., Chicago, Ill. Dating-stamp. No. 1,219,384; Mar. 13; v. 236; p. 557.
- Ellis, Charles S., Chicago, Ill. Self-inking dating-stamp. No. 1,226,648; May 22; v. 238; p. 996.
- Ellis, Charles S., Chicago, Ill. Inking-pad for hand-stamps. No. 1,229,425; June 12; v. 239; p. 404.
- Ellis, Claude J., Liberty, Tenn. Gate mechanism. No. 1,249,051; Dec. 4; v. 245; p. 180.
- Ellis, Emory E., Orange, Mass. Tool-holder. No. 1,220,324; Mar. 27; v. 236; p. 955.
- Ellis, Ferrand F., Oneida, and S. R. Leonard, Kenwood, assignors to Oneida Community, Ltd., Oneida, N. Y. Animal-trap. No. 1,240,036; Sept. 11; v. 242; p. 446.
- Ellis-Foster Co. (See Ellis and Wells, assignors.)
- Ellis-Foster Company. (See Ellis, Carleton, assignor.)
- Ellis-Foster Company *et al.* (See Ellis and Rabinovitz, assignors.)
- Ellis-Foster Company *et al.* (See Terrisse, Henri, assignor.)
- Ellis-Foster Company. (See Weber, Harry M., assignor.)
- Ellis-Foster Company. (See Wells, Alfred A., assignor.)
- Ellis, Frank E., Revere, Mass. Fabric for printers' blankets and other purposes. No. 1,231,141; June 26; v. 239; p. 1051.
- Ellis, Frank E., Revere, Mass. Packing for printing-presses. No. 1,231,142; June 26; v. 239; p. 1052.
- Ellis, Frank E., Revere, Mass. Matrix-molding mat. No. 1,237,493; Aug. 21; v. 241; p. 701.
- Ellis, Frank J., assignor of one-half to W. N. Browning, Philadelphia, Pa. Watch-carrier. No. 1,227,597; May 29; v. 238; p. 1345.
- Ellis, Fred S., Attleboro, Mass. Expandable bracelet. No. 1,250,153; Dec. 18; v. 245; p. 569.
- Ellis, Fred S., Brooklyn, assignor to Dubois Watch Case Company, Brooklyn, N. Y. Securing device for wrist-watches. No. 1,227,598; May 29; v. 238; p. 1345.
- Ellis, George H., St. Paul, Minn. Composite lath and heat-insulating material. No. 1,228,422; June 5; v. 239; p. 16.

- Ellis, George H., St. Paul, Minn. Heat-insulating unit. No. 1,228,763; June 5; v. 239; p. 133.
- Ellis, George H., St. Paul, Minn. Heat-insulating unit. No. 1,236,694; Aug. 14; v. 241; p. 408.
- Ellis, George M., Mitchell, S. D., and G. F. Brown, Winnipeg, Manitoba, Canada; said Ellis assignor to said Brown. Intermittent-grip device for capstans. No. 1,226,321; May 15; v. 238; p. 856.
- Ellis, George T., Brooklyn, N. Y. Washtub and washboard combined. No. 1,240,037; Sept. 11; v. 242; p. 446.
- Ellis, George V., assignor to The George V. Ellis Plumbing & Engineering Co., Inc., New York, N. Y. Gasolene-separator. No. 1,232,915; July 3; v. 240; p. 161.
- Ellis, Halcolm, East Orange, N. J. Rebounding device for number-printing mechanisms. No. 1,219,445; Mar. 20; v. 236; p. 608.
- Ellis, Harry E., assignor of one-half to J. W. Wilhelm, Palmetto, Fla. Manufacture of cellulose. No. 1,236,072; Aug. 7; v. 241; p. 176.
- Ellis, Harry E., assignor of one-half to J. W. Wilhelm, Palmetto, Fla. Apparatus for boiling fiber for the manufacture of cellulose. No. 1,236,370; Aug. 7; v. 241; p. 266.
- Ellis, Harry E., and J. W. Wilhelm, Palmetto, Fla. Type-writing machine. No. 1,228,423; June 5; v. 239; p. 16.
- Ellis, Hartley, Cleveland, Ohio. Barrel-head. No. 1,216,972; Feb. 20; v. 235; p. 961.
- Ellis, Howard G. (See Perrault and Ellis.)
- Ellis, Humphrey A., Ridley Park, Pa. Tool-holder. No. 1,250,154; Dec. 18; v. 245; p. 569.
- Ellis, Ira C., East St. Louis, Ill. Locking device for gear-shifting levers of automobiles. No. 1,215,509; Feb. 13; v. 235; p. 393.
- Ellis, James B. (See Bradley, Charles M., assignor.)
- Ellis, Morris, Philadelphia, Pa. Stocking. No. 1,220,209; Mar. 27; v. 236; p. 912.
- Ellis, Robert G., University, assignor to American Car and Foundry Company, St. Louis, Mo. Draft-arm and center-sill reinforcement for underframes. No. 1,224,866; May 1; v. 238; p. 265.
- Ellis, Robert G., University, assignor to American Car and Foundry Company, St. Louis, Mo. Double-board single-sheathed car. No. 1,244,718; Oct. 30; v. 243; p. 1156.
- Ellis, Roy J. (See Carpenter and Ellis.)
- Ellis, Samuel J. (See Douthat and Ellis.)
- Ellis, Samuel J., et al. (See Swafford, Levi W., assignor.)
- Ellis, Stephen A., Birmingham, Ala. Apparatus for teaching bookkeeping. No. 1,234,743; July 31; v. 240; p. 1186.
- Ellis, Stuart, Washington, D. C., assignor, by mesne assignments, to Metal Egg Crate Company. Metallic shipping-box. No. 1,247,517; Nov. 20; v. 244; p. 768.
- Ellis, Thomas J., Loda, Ill. Mop. No. 1,236,695; Aug. 14; v. 241; p. 409.
- Ellis, Walter J., Vancouver, British Columbia, Canada. Embossing. No. 1,223,484; Apr. 24; v. 237; p. 969.
- Ellis, William O., Dallas, Oreg. Jar-holding device. No. 1,225,223; May 8; v. 238; p. 438.
- Ellis, Wynn E., Chicago, Ill. Bleaching grain. No. 1,214,526; Feb. 6; v. 235; p. 15.
- Ellison, George. (See Glasner and Ellison.)
- Ellison, John D., assignor of one-half to H. A. Bransford, Union City, Tenn. Fastener for shoes, gloves, &c. No. 1,249,357; Dec. 11; v. 245; p. 300.
- Ellison, Stephen A. (See Davis, Claude B., assignor.)
- Ellison, Thomas J., Terrill, Ky. Corn-planter. No. 1,233,208; July 10; v. 240; p. 585.
- Ellmarm, Ernest E., St. Louis, Mo. Nut-lock. No. 1,210,919; Jan. 2; v. 234; p. 188.
- Ellmer, Paul F., and C. Streff, Philadelphia, Pa. Elevator construction. No. 1,241,724; Oct. 2; v. 243; p. 83.
- Ellsworth, Clarence A., assignor of one-half to H. C. Rubincam, Denver, Colo. Flash-light and camera-shutter synchronizer. No. 1,220,325; Mar. 27; v. 236; p. 955.
- Ellsworth, Fred T. (See Patterson, William H., assignor.)
- Ellsworth, Harry B., Cook, Minn. Split pulley. No. 1,234,744; July 31; v. 240; p. 1186.
- Ellsworth, Irving H., Orrville, Ohio. Stretching leather. No. 1,235,299; July 31; v. 240; p. 1355.
- Ellwanger, Gust. (See Anderson, Andy, assignor.)
- Ellwein, Frederick, Hazen, N. D. Differential gear for motor-vehicles. No. 1,241,361; Sept. 25; v. 242; p. 931.
- Ellwein, Frederick, Hazen, N. D. Transmission-gearing. No. 1,241,362; Sept. 25; v. 242; p. 932.
- Ellwood, Charles D., Madison, Wis. Tractor. No. 1,237,494; Aug. 21; v. 241; p. 701.
- Elmblad, Hjalmar, assignor to The Printasign Company, Chicago, Ill. Printing-machine. No. 1,221,429; Apr. 3; v. 237; p. 150.
- Elmer, William, Buffalo, N. Y. Automatic injector control for locomotives. No. 1,212,197; Jan. 16; v. 234; p. 688.
- Elmer, William, Buffalo, N. Y. Locomotive stack and draft device. No. 1,239,370; Sept. 4; v. 242; p. 207.
- Elmore, Charles B., Hartford, Conn., assignor to J. M. Sherwood Manufacturing Company, New York, N. Y. Dish-mop. No. 1,212,032; Jan. 9; v. 234; p. 603.
- Elmore, Guy H., Swarthmore, Pa. Centrifugal drier. No. 1,235,193; July 31; v. 240; p. 1323.
- Elmstrom, Anshelm B., Swampscott, and J. A. McDonald, Aburndale, Mass. Camera. No. 1,221,847; Apr. 10; v. 237; p. 327.
- Elrod, Albert K., assignor of one-half to W. E. Deaton, R. F. D. No. 1, Huckabay, Tex. Slide-scraper. No. 1,246,074; Nov. 13; v. 244; p. 308.
- Elrod, General L., assignor of one-half to W. W. Jackson, Jr., Jonesboro, Ark. Hydrocarbon-burner. No. 1,238,395; Aug. 28; v. 241; p. 1025.
- Elrod, Henry E., Dallas, Tex. Automobile-projectile. No. 1,231,867; July 3; v. 240; p. 111.
- Else, Arthur W., Janesville, assignor to M. E. Else, Milwaukee, Wis. Emulsifying-machine. No. 1,249,358; Dec. 11; v. 245; p. 300.
- Else, Marie E. (See Else, Arthur W., assignor.)
- Elsbeth, Peter A. (See Laughlin and Elsbeth.)
- Elsner, Julius, Berlin-Friedenau, Germany. Production of hydraulic lime and cement from combustion residues of sewage, canal-sludge, or the like. No. 1,220,735; Mar. 27; v. 236; p. 1096.
- Elsner, Wilhelm, Zurich, Switzerland. Vessel for dispensing liquids. No. 1,227,125; May 22; v. 238; p. 1162.
- Elster, Albert D., Meriden, Conn. Gasolene-water separator. No. 1,216,219; Feb. 13; v. 235; p. 649.
- Elster, Albert D., Meriden, Conn. Fishing-float. No. 1,216,220; Feb. 13; v. 235; p. 650.
- Elton, Olaf, assignor to Gilson Manufacturing Company, Port Washington, Wis. Gas-engine-controlling mechanism. No. 1,230,571; June 19; v. 239; p. 822.
- Elton, Olaf, assignor to Gilson Manufacturing Company, Port Washington, Wis. Steering-tongue for trucks. No. 1,248,833; Dec. 4; v. 245; p. 121.
- Elveness, Ole H., Portland, Oreg. Coupling. No. 1,248,294; Nov. 27; v. 244; p. 1023.
- Elvin, Albert G., Somerville, N. J., assignor to Franklin Railway Supply Company, Wilmington, Del. Pipe-coupling bracket. No. 1,235,300; July 31; v. 240; p. 1355.
- Elwell, George H., Boston, Mass. Safety catch-latch. No. 1,235,885; Aug. 7; v. 241; p. 117.
- Elwell, George H., Boston, Mass. Door-latch. No. 1,243,596; Oct. 16; v. 243; p. 740.
- Elwell-Parker Electric Company, The. (See Cochran, Claude E., assignor.)
- Elwell-Parker Electric Company, The. (See Culhane, Patrick J., assignor.)
- Elwell-Parker Electric Company, The. (See Towson, Morris S., assignor.)
- Elwin, George N., Victoria, British Columbia, Canada. Rotary tooth-brush. No. 1,225,230; May 8; v. 238; p. 439.
- Elwood Coal Service. (See Wood, Walter E., assignor.)
- Elwood, Elmer D., Medford, Oreg. Spectacle-frame. No. 1,238,396; Aug. 28; v. 241; p. 1026.
- Elwood, J. W. (See Bonney, Bick R., assignor.)
- Ely, Bernard M. (See Wear and Ely.)
- Ely, Bernard M., assignor to The Alvey-Ferguson Company, Cincinnati, Ohio. Grinding-mill. No. 1,220,154; Mar. 20; v. 236; p. 859.
- Ely, Charles H., East Orange, N. J. Tooth-brush. No. 1,232,517; July 10; v. 240; p. 360.
- Ely, George B., Elkhart, Ind., assignor to Westinghouse Electric & Manufacturing Company. Section-insulator. No. 1,249,359; Dec. 11; v. 245; p. 300.
- Ely, Grosvenor, Norwich, Conn. Window-lowering device. No. 1,237,764; Aug. 21; v. 241; p. 790.
- Ely, Maurice M., assignor of one-half to C. F. Hooks, Clinton, Iowa. Support for washtubs. No. 1,225,319; May 8; v. 238; p. 471.
- Ely, Moses, et al. (See Daniel, Paul, assignor.)
- Ely, Sumner A., New York, N. Y. Sectional steel vault. No. 1,218,248; Mar. 6; v. 236; p. 127.
- Elzy, John C., and F. Messenger, St. Paul, Minn. Jack. No. 1,221,712; Apr. 3; v. 237; p. 247.
- Emanuel, David E., Des Moines, Iowa. Fly-swatter. No. 1,228,891; June 5; v. 239; p. 176.
- Emanuelson, Gustaf, New Haven, Conn. Greasing device for bakers' use. No. 1,222,370; Apr. 10; v. 237; p. 511.
- Embossing Company, The. (See Ramsey, Huntington, and Hyatt, assignors.)
- Embrey, James E., Rochester, N. Y. Mail-box. No. 1,250,998; Dec. 25; v. 245; p. 871.
- Emens, Albert L., assignor to Sangamo Electric Company, Springfield, Ill. Mercury motor-meter. No. 1,226,956; May 22; v. 238; p. 1103.
- Emerick, Berton W. (See Needham and Emerick.)
- Emerick, Frederick A., Oswego, N. Y. Post-and-bar fence. No. 1,215,956; Feb. 13; v. 235; p. 338.
- Emerick, Frederick A., Oswego, N. Y. Towing crib or hull. No. 1,229,426; June 12; v. 239; p. 404.
- Emerick, William H., Omaha, Nebr. Hatchway-opening for refrigerator-cars. No. 1,220,830; Mar. 27; v. 236; p. 1130.
- Emerson, Alfred H., assignor to American Optical Company, Southbridge, Mass. Lens-testing instrument. No. 1,241,612; Oct. 2; v. 243; p. 47.
- Emerson, Bennett, and H. C. Morris, Dallas, Tex., said Emerson assignor to said Morris. Gas-meter-valve protector. No. 1,228,656; June 5; v. 239; p. 95.
- Emerson-Brantingham Company. (See Davis, Calvin R., assignor.)
- Emerson-Brantingham Company. (See Hurxthal, Frederick K., assignor.)
- Emerson-Brantingham Company. (See Larson, Martin S., assignor.)

Alphabetical list of patentees—Continued.

- Emerson-Brantingham Company. (See Waterman, Lewis B., assignor.)
- Emerson Electric Manufacturing Company, The. (See Harrelson, Allen M., assignor.)
- Emerson, Elisha, Auburn, R. I. Method and apparatus for electrically making copper tubes. No. 1,243,274; Oct. 16; v. 243; p. 645.
- Emerson, Fred L., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Drill-mounting. No. 1,214,527; Feb. 6; v. 235; p. 16.
- Emerson Phonograph Company. (See Emerson, Victor H., assignor.)
- Emerson Piano Company. (See Carnahan, Frank, assignor.)
- Emerson, Victor H., New York, N. Y., assignor to Emerson Phonograph Company, Inc. Sound-record. No. 1,213,468; Jan. 23; v. 234; p. 1169.
- Emery, Albert G., New York, N. Y., assignor to Rubber Regenerating Company, Dec. 11; v. 245; p. 301.
- Emery, Albert H., Stamford, Conn. Railway-track scale. No. 1,213,605; Jan. 23; v. 234; p. 1217.
- Emery, Albert H., Stamford, Conn. Railway track-scale. No. 1,222,271; Apr. 10; v. 237; p. 476.
- Emery, Albert H., Stamford, Conn. Scale-platform check and support. No. 1,222,272; Apr. 10; v. 237; p. 476.
- Emery, Albert H., Stamford, Conn. Built-up gun. No. 1,244,719; Oct. 30; v. 243; p. 1157.
- Emery, Edwin A., St. Louis, Mo. Controlling the stoking of furnaces. No. 1,234,317; July 24; v. 240; p. 1015.
- Emery, Elias J., Portsmouth, N. H. Rubber heel. No. 1,232,518; July 10; v. 240; p. 360.
- Emery, Frederick H., Scranton, Pa. Coal-picking apparatus. No. 1,220,736; Mar. 27; v. 236; p. 1096.
- Emery, Plato G., Chicago, Ill. Vestibule-curtain for railway-cars. No. 1,221,982; Apr. 10; v. 237; p. 374.
- Emery, Robert H., Brighton, Iowa. Can-opener. No. 1,223,485; Apr. 24; v. 237; p. 970.
- Emery, Walter E., Peoria, Ill. Time-controlled furnace-starter. No. 1,246,897; Nov. 20; v. 244; p. 591.
- Emig, William E., York, assignor of one-half to E. S. Baer, Philadelphia, Pa. Ice-can cover. No. 1,233,565; July 17; v. 240; p. 738.
- Emigh, Howard E., Santa Cruz, Cal. Grease-gun. No. 1,241,725; Oct. 2; v. 243; p. 83.
- Emigh, Oliver R., Westminster, Md., assignor to Baltimore Roofing and Asbestos Manufacturing Co., Wilmington, Del., and Asbestos, Md. Composition roofing. No. 1,220,966; Mar. 27; v. 236; p. 1173.
- Emison, James W., et al. (See Hollingsworth, Spear S., assignor.)
- Emley, James E., Middleport, Ohio. Mechanical movement. No. 1,213,850; Jan. 30; v. 234; p. 1330.
- Emmenegger, Peter, Guyaux, Pa. Making glass reflectors. No. 1,211,120; Jan. 2; v. 234; p. 255.
- Emmet, William L. R., Schenectady, N. Y., assignor to General Electric Company. Electric ship propulsion. No. 1,214,528; Feb. 6; v. 235; p. 16.
- Emmet, William L. R., Schenectady, N. Y., assignor to General Electric Company. Boiler-feeding means. No. 1,236,154; Aug. 7; v. 241; p. 201.
- Emmet, William L. R., Schenectady, N. Y., assignor to General Electric Company. Boiler. No. 1,236,155; Aug. 7; v. 241; p. 201.
- Emmings, J. J., et al. (See Hudson, Elmer, assignor.)
- Emond, Ernest, et al. (See Winston, Abner C., assignor.)
- Emond, William H., Syracuse, N. Y. Motor-vehicle body and seat arrangement. No. 1,250,155; Dec. 18; v. 245; p. 569.
- Emory, Charles W. (See Haynie, Warren P., assignor.)
- Emory, Francis F., Fitchburg, Mass. Holsting-jack for fly-wheels. No. 1,218,066; Mar. 6; v. 236; p. 62.
- Emory, Francis F., Philadelphia, Pa. Funnel. No. 1,222,611; Apr. 17; v. 237; p. 637.
- Emory, Robert J., Newark, N. J., assignor to Baird Motion Picture Co. Intermittent-feed mechanism. No. 1,245,693; Nov. 6; v. 244; p. 168.
- Emory, William E., Washington, D. C. Box-hinge. No. 1,234,887; July 31; v. 240; p. 1228.
- Emott, James T., Morristown, N. J., assignor to Puritan Chemical Company. Breast-pump. No. 1,213,606; Jan. 23; v. 234; p. 1218.
- Empire Machine Company. (See Canfield, Robert W., assignor.)
- Empire Paper Bottle Company. (See Brown, Luther P., assignor.)
- Empire Paper Bottle Company. (See Regan, William F., assignor.)
- Empire Talking Machine Company, The. (See Wittek, Josef, assignor.)
- Empson, Frederick J., Sydney, New South Wales, Australia, assignor to The Aeolian Company. Talking-machine. No. 1,240,038; Sept. 11; v. 242; p. 446.
- Emrick, Charles B., et al. (See Schmidt, John, assignor.)
- Emry, Robert H., Brighton, Iowa. Latch for gates and barn-doors. No. 1,249,052; Dec. 4; v. 245; p. 180.
- Enshwiller, Errol E., Le Roy, Mich. Road-making machine. No. 1,236,919; Aug. 14; v. 241; p. 481.
- Enameled Metals Company. (See Wadsworth, Frank L. O., assignor.)
- Enck, Herbert E., assignor to Improved Manufacturing Co., Ashland, Ohio. Toy horn. No. 1,247,942; Nov. 27; v. 244; p. 924.
- Endebrook, Carl H., and W. H. Mahlow, Trenton, N. J.; said Mahlow assignor to said Endebrook. Packing-ring. No. 1,211,692; Jan. 9; v. 234; p. 484.
- Endecott, Roy B., Roundup, Mont. Wire-cutter attachment for guns. No. 1,244,968; Oct. 30; v. 243; p. 1231.
- Ender, Louie, Watertown, S. D. Weather-strip. No. 1,229,920; June 12; v. 239; p. 569.
- Enders, Mattie M., Redbird, Nebr. Cleaner. No. 1,234,452; July 24; v. 240; p. 1060.
- Endlessgraph Manufacturing Company. (See Gonsky, Peter R., assignor.)
- Endorf, Charles, Jr., assignor to Lindstrom, Smith Company, Chicago, Ill. Mounting for electric vibrators. No. 1,231,245; June 26; v. 239; p. 1086.
- Endow, Junpei. (See Abe, Hikokichi, assignor.)
- Endy, George D., assignor to J. D. Johnson Co., Philadelphia, Pa. Water-closet-seat-operated valve. No. 1,220,831; Mar. 27; v. 236; p. 1130.
- Eneas, Aubrey G., Winthrop, assignor to Spray Engineering Company, Boston, Mass. Distributing liquid. No. 1,239,168; Sept. 4; v. 242; p. 143.
- Enebo, Elias K., Minneapolis, Minn. Automatically-actuated gate. No. 1,226,761; May 22; v. 238; p. 1036.
- Enell, Otto E., Jersey City, N. J., assignor to Unique Specialty Co., Inc., New York, N. Y. Extension curtain-roller. No. 1,221,161; Apr. 3; v. 237; p. 56.
- Enell, Otto E., Jersey City, N. J., assignor, by mesne assignments, to Telephone Directory Cabinet Company, Incorporated, New York, N. Y. Hook-holder. No. 1,238,899; Sept. 4; v. 242; p. 58.
- Engel Crude Oil Engine Company. (See Engel, Henry, assignor.)
- Engel, Ernest, La Moure, and E. Roberts, Edmunds, N. D. Journal-lubricator. No. 1,248,295; Nov. 27; v. 244; p. 1023.
- Engel, Frank, Buffalo, assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Casting. No. 1,235,778; Aug. 7; v. 241; p. 81.
- Engel, Frank, assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Casting-machine. No. 1,235,779; Aug. 7; v. 241; p. 82.
- Engel, Godfrey, Brooklyn, N. Y. Granulating and drying sugar. No. 1,216,554; Feb. 20; v. 235; p. 820.
- Engel, Godfrey, Brooklyn, N. Y. Apparatus for granulating and drying sugar. No. 1,216,555; Feb. 20; v. 235; p. 820.
- Engel, Henry, New Rochelle, assignor to Engel Crude Oil Engine Company, Inc., New York, N. Y. High-pressure-fed oil-engine. No. 1,243,597; Oct. 16; v. 243; p. 741.
- Engel, Karl, Arlington, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Making shoes. No. 1,246,730; Nov. 13; v. 244; p. 504.
- Engelbrecht, Julius, Boone, Colo. Excavating-machine. No. 1,221,848; Apr. 10; v. 237; p. 327.
- Engelbrecht, Robert T., Oakland, Cal. Dot-and-dash device. No. 1,246,405; Nov. 13; v. 244; p. 408.
- Engelhart, John G., Atlanta, Ga., assignor of one-half to L. F. Ostrander, St. Louis, Mo. Quick-opening packless valve. No. 1,226,485; May 15; v. 238; p. 907.
- Engels, Johann C., Barmen-Rittershausen, Germany, assignor to United Fast Color Eyelet Company, Portland, Me. Button. No. 1,244,436; Oct. 23; v. 243; p. 1031.
- Engelsman, Monroe, New York, N. Y. Ring and finger gage. No. 1,213,607; Jan. 23; v. 234; p. 1218.
- Enger-Kress Pocket Book Co. (See Elcheiberger, Walter C., assignor.)
- Enger, Pehr G., Skotselven, Norway. Apparatus for the extraction of hydrocarbons, &c., especially cymol, which arise in the manufacture of sulfite cellulose. No. 1,223,158; Apr. 17; v. 237; p. 826.
- Engl, Gadiant, assignor to Society of Chemical Industry in Basle, Basle, Switzerland. Producing fast tints. No. 1,245,694; Nov. 6; v. 244; p. 168.
- Engl, Gadiant, and C. Jagerspacher, assignors to Society of Chemical Industry in Basle, Basle, Switzerland. Manufacture of copper compounds of orthooxyazo dyestuffs. No. 1,237,183; Aug. 14; v. 241; p. 563.
- Engl, Gadiant, and C. Jagerspacher, assignors to Society of Chemical Industry in Basle, Basle, Switzerland. Chromium compounds of azo dyestuffs and making same. No. 1,242,536; Oct. 9; v. 243; p. 379.
- Engl, Gadiant, F. Straub, and A. Grob, assignors to Society of Chemical Industry in Basle, Basle, Switzerland. Chromium compounds of azo dyestuffs containing groups able to be chromated, and a process of making the same. No. 1,221,849; Apr. 10; v. 237; p. 327.
- Engl, Gadiant, A. Grob, and F. Straub, assignors to Society of Chemical Industry in Basle, Basle, Switzerland. Green chromium compound and making same. No. 1,213,608; Jan. 23; v. 234; p. 1218.
- Engl, Gadiant, A. Grob, and J. Würzler, assignors to Society of Chemical Industry in Basle, Basle, Switzerland. Chromium compounds of the galloxyanin series and making same. No. 1,227,407; May 22; v. 238; p. 1253.
- Engl, Gadiant, A. Grob, and F. Straub, assignors to Society of Chemical Industry in Basle, Basle, Switzerland. Producing fast tints or animal fibers. No. 1,227,406; May 22; v. 238; p. 1253.
- Engine Holdings Company, The. (See Goby, Clifford S., assignor.)
- Engineers Specialty Company. (See Jones, Edward A. and J. E., assignors.)

- England, Henry, Chicago, Ill. Trolling device. No. 1,246,251; Nov. 13; v. 244; p. 361.
- England, Howard C., Lisbon, Md. Shock-blinder. No. 1,222,856; Apr. 17; v. 237; p. 722.
- England, William H., Chicago, Ill., and E. H. Allfree, Ironton, Ohio. Derailer. No. 1,251,205; Dec. 25; v. 245; p. 931.
- Englander Spring Bed Co. (See Lowy and Kreuzkamp, assignors.)
- Engle, Charles T., Colorado Springs, Colo. Flour-sifter. No. 1,238,007; Aug. 21; v. 241; p. 865.
- Engle, George M., Beeville, Tex. Raised sill for express and baggage trucks. No. 1,219,274; Mar. 13; v. 236; p. 518.
- Engle, George S., Cranston, R. I. Primary battery. No. 1,224,455; May 1; v. 238; p. 123.
- Engle, George W., Canton, S. D. Road-drag. No. 1,234,645; July 24; v. 240; p. 1121.
- Englert, Charles, Rochester, N. Y. Machine for bending and piercing fiber strips or similar material. No. 1,218,249; Mar. 6; v. 236; p. 127.
- Englerth, Anton F., Chicago, Ill. Ball-bearing. No. 1,220,615; Mar. 27; v. 236; p. 1056.
- Englerth, Anton F., Chicago, Ill. Ball-bearing. No. 1,220,616; Mar. 27; v. 236; p. 1056.
- Englerth, Anton F., Chicago, Ill. Hand-propelled vehicle. No. 1,236,696; Aug. 14; v. 241; p. 409.
- English, Analdo M., Brookline, and H. W. Gibbs, Boston, Mass., assignors to J. Spaulding & Sons Co., Rochester, N. H. Crimping or corrugating machine. No. 1,230,691; June 19; v. 239; p. 860.
- English, Andrew J., assignor to G. J. Uckotter, Cincinnati, Ohio. Gas-burner. No. 1,239,681; Sept. 11; v. 242; p. 336.
- English, John C. (See Johnson and English.)
- English, John C., Camden, N. J. Gas-engine. No. 1,249,933; Dec. 11; v. 245; p. 468.
- English, John C., Camden, N. J., assignor to Victor Talking Machine Company. Talking-machine. No. 1,219,275; Mar. 13; v. 236; p. 518.
- English, John C., Camden, N. J., assignor to Victor Talking Machine Company. Talking-machine. No. 1,222,371; Apr. 10; v. 237; p. 511.
- English, John C., Camden, N. J., assignor to Victor Talking Machine Company. Talking-machine. No. 1,222,372; Apr. 10; v. 237; p. 512.
- English & Mersick Co., The. (See Appleby, William H., assignor.)
- English & Mersick Co., The. (See Wheeler, Gardner E., assignor.)
- English & Mersick Co., The. (See Williams, Gordon, assignor.)
- English, Samuel, New York, N. Y. Bag-ribbon. No. 1,246,898; Nov. 20; v. 244; p. 591.
- Englund, Alexander, Portland, and L. Witheril, Hillsdale, Oreg. Trolley-shoe. No. 1,237,247; Aug. 14; v. 241; p. 584.
- Englund, Axel H., assignor to Electric Service Supplies Company, Philadelphia, Pa. Electric switch. No. 1,244,720; Oct. 30; v. 243; p. 1157.
- Englund, Carl R., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Radiotelephony. No. 1,245,446; Nov. 6; v. 244; p. 91.
- Englund, Ernst E., assignor to D. M. Sechler Implement & Carriage Co., Moline, Ill. Corn-planter. No. 1,211,365; Jan. 2; v. 234; p. 337.
- Englund, Ernst E., assignor to D. M. Sechler Implement & Carriage Company, Moline, Ill. Corn-planter. No. 1,216,788; Feb. 20; v. 235; p. 900.
- Englund, Ernst E., assignor to D. M. Sechler Implement & Carriage Company, Moline, Ill. Land-marker for planters. No. 1,228,764; June 5; v. 239; p. 133.
- Englund, Ole J., Worthington, Minn. Sofa-bed. No. 1,225,942; May 15; v. 238; p. 723.
- Engstad, John E., Minneapolis, Minn. Preparing cereal food. No. 1,231,143; June 26; v. 239; p. 1052.
- Engstrom, Carl O., Sacramento, Cal. Coupling. No. 1,215,510; Feb. 13; v. 235; p. 393.
- Engstrom, Carl O., Sacramento, Cal. Safety-razor. No. 1,226,322; May 15; v. 238; p. 856.
- Engstrom, Isack G., Minneapolis, Minn. Column-clamp. No. 1,214,905; Feb. 6; v. 235; p. 148.
- Engstrom, Ivan, assignor, by mesne assignments, to C. M. and H. R. Hedman, Chicago, Ill. Check-protector. No. 1,242,162; Oct. 9; v. 243; p. 261.
- Enley, John T., Philadelphia, Pa. Die-casting machine. No. 1,215,784; Feb. 13; v. 235; p. 492.
- Ennis, William J. (See Wayne, Herbert N., assignor.)
- Enochy, Tatsukichi, New York, N. Y. Display-stand. No. 1,242,429; Oct. 9; v. 243; p. 345.
- Enquist, Arthur R., assignor to Foster, Merriam & Company, Meriden, Conn. Locking-latch. No. 1,241,613; Oct. 2; v. 243; p. 48.
- Ensarian, Onnig, Green Island, N. Y. Shoemaker's sewing-machine. No. 1,218,637; Mar. 13; v. 236; p. 296.
- Ensey, Abraham F., Holmes, Cal. Clothes-pin. No. 1,245,892; Nov. 6; v. 244; p. 227.
- Ensign, Daniel J., North Adams, Mass. Hemming attachment for sewing-machines. No. 1,216,298; Feb. 20; v. 235; p. 729.
- Ensign, Frank H., Toledo, Ohio. Grinding and tumbling mill. No. 1,238,652; Aug. 28; v. 241; p. 1107.
- Ensign, George A., and J. C. M. Des Islets, assignors to Defiance Machine Works, Defiance, Ohio. Spoke-mitering machine. No. 1,248,095; Nov. 27; v. 244; p. 965.
- Ensign, George A., and H. D. Traub, assignors to Defiance Machine Works, Defiance, Ohio. Wheel-rim equalizing and joint-forming machine. No. 1,250,822; Dec. 18; v. 245; p. 769.
- Ensign Manufacturing Company. (See Nielsen and Babcock, assignors.)
- Ensign, Orville H., Pasadena, Cal. Carbureter. No. 1,223,159; Apr. 17; v. 237; p. 826.
- Ensign, Otis F., and A. J. Thuneman, Defiance, Ohio. Automatic locking device. No. 1,212,033; Jan. 9; v. 234; p. 604.
- Ensign, William T., and S. A. Almida, Chicago, Ill. Toy. No. 1,212,332; Jan. 16; v. 234; p. 739.
- Enslin, Herbert E., Malden, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Thread-end-fastening machine. No. 1,246,075; Nov. 13; v. 244; p. 308.
- Enslinger, Robert F., Brooklyn, N. Y. Match ejecting and lighting mechanism. No. 1,237,184; Aug. 14; v. 241; p. 503.
- Enter, James T. (See Crane, Abram E., assignor.)
- Enterprise Electric Novelty Co. (See David, Friedrich, assignor.)
- Enterprise Manufacturing Company, The. (See Hitchcock, Halbert K., assignor.)
- Enterprise Manufacturing Company of Pennsylvania, The. (See Asbury, Charles W., assignor.)
- Enterprise Railway Equipment Company. (See Campbell, Argyle, assignor.)
- Enterprise Railway Equipment Company. (See Zimmer, Albert E., assignor.)
- Entwistle, Edward F., Duquesne, Pa., assignor to Henry R. Worthington. Centrifugal pump. No. 1,210,777; Jan. 2; v. 234; p. 137.
- Entwistle, William S. (See Marconi and Entwistle.)
- Entz, Justus B., assignor to E. L. Thurston, trustee, Cleveland, Ohio. Starting and lighting system. No. 1,239,777; Sept. 11; v. 242; p. 365.
- Entz Motor Patents Corporation. (See Baker, Walter C., assignor.)
- Envelope Manufacturing Company, The. (See Cowgill, Orph W., assignor.)
- Enyart, Ralph C., assignor to The P. H. & F. M. Roots Company, Connersville, Ind. Fluid-pressure governor. No. 1,219,928; Mar. 20; v. 236; p. 776.
- Enyart, Ralph C., assignor to The P. H. & F. M. Roots Company, Connersville, Ind. Relief-valve. No. 1,235,019; July 31; v. 240; p. 1272.
- Enyart, Ralph C., assignor to The P. H. & F. M. Roots Company, Connersville, Ind. Pressure-regulator. No. 1,249,934; Dec. 11; v. 245; p. 468.
- Eng, John F., Denmark, Wis. Apparatus for the production of skimmed-milk and vegetable-fat compounds. No. 1,243,275; Oct. 16; v. 243; p. 645.
- Epling, Emery T., Lewiston, Idaho. Automatic or knobless door-latch. No. 1,220,210; Mar. 27; v. 236; p. 912.
- Eppers, Wilma, Chicago, Ill. Photo-engraving method. No. 1,234,888; July 31; v. 240; p. 1229.
- Epple, Carl H., Oakland, and G. A. White, Red Bluff, Cal. Flange and rail lubricator. No. 1,211,424; Jan. 9; v. 234; p. 393.
- Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Inseam-trimming machine. No. 1,226,872; May 22; v. 238; p. 1075.
- Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-sewing machine. No. 1,231,868; July 3; v. 240; p. 112.
- Eppley, Francis G., assignor to Albaugh-Dover Co., Chicago, Ill. Bearing. No. 1,214,289; Jan. 30; v. 234; p. 1481.
- Epprecht, Gottlieb, Allentown, Pa. Frying-pan. No. 1,216,973; Feb. 20; v. 235; p. 962.
- Epri, Albart, Philadelphia, Pa. Phonograph-table. No. 1,220,967; Mar. 27; v. 236; p. 1173.
- Epright, Daniel C. (See Wood and Epright.)
- Epstein, Barnett, New York, N. Y. Skate-fastening overshoe. No. 1,242,668; Oct. 9; v. 243; p. 423.
- Epstein, Eli, Leominster, Mass. Cylinder-lock. No. 1,230,387; June 19; v. 239; p. 759.
- Epstein, Eli, Leominster, Mass. Cylinder-lock. No. 1,244,304; Oct. 23; v. 243; p. 993.
- Epstein, Harry M., New York, N. Y., assignor to C. F. Glauz, Philadelphia, Pa. Closure. No. 1,222,373; Apr. 10; v. 237; p. 512.
- Equilibrator Company. (See Fuerth, William G., assignor.)
- Equitable Meter Company. (See Armstrong, James R., assignor.)
- Equitable Meter Company. (See Weisgerber, Edwin C., assignor.)
- Equitable Trust Company of New York, The, executor. (See Barr, Frederic.)
- Erani, Ernesto. (See Cortesi, Prassone, Erani, and Contin.)
- Erbslöh, Walter, Barmen, Germany. Rolling-machine. No. 1,226,198; May 15; v. 238; p. 810.
- Erdödi, Johan, New York, N. Y. Combined boiler and water-heater. No. 1,221,520; Apr. 3; v. 237; p. 183.
- Erdöcs, Julius. (See Hartman, Hans, assignor.)

Alphabetical list of patentees—Continued.

- Erfurth, Ottomar O., Teuchern, Germany. Screw conveyor. No. 1,213,171; Jan. 23; v. 234; p. 1065.
- Erhard, Clarence D. (See Erhard, Samuel E. and C. D.)
- Erhard, George P., Brookline, assignor to The Stafford Company, Readville, Boston, Mass. Belt-hole guard. No. 1,233,267; July 10; v. 240; p. 601.
- Erhard, Samuel E. and C. D., Trinidad, Colo. Resilient wheel-tire. No. 1,230,141; June 19; v. 239; p. 678.
- Erickson, Charles E., Indianapolis, Ind., assignor of one-third to J. Allerdice and one-third to W. H. Allerdice. Forming-machine. No. 1,225,602; May 8; v. 238; p. 567.
- Erickson, Erick, Astoria, Oreg. Hook. No. 1,237,885; Aug. 21; v. 241; p. 826.
- Erickson, Adolph E., Rockford, Ill. Sack. No. 1,234,318; July 24; v. 240; p. 1016.
- Erickson, Albert J., Buffalo, N. Y. Folding umbrella. No. 1,250,292; Dec. 18; v. 245; p. 610.
- Erickson, Albert W., assignor to Weber-Erickson-Bunting Company, Pittsburgh, Pa. Stamping-die mechanism. No. 1,234,828; Aug. 14; v. 241; p. 452.
- Erickson, Albin, Lyons, Ill., assignor to International Harvester Company of New Jersey. Saw-guard. No. 1,247,247; Nov. 20; v. 244; p. 692.
- Erickson, Andrew C., Los Angeles, Cal. Shoe-polishing apparatus. No. 1,230,572; June 19; v. 239; p. 822.
- Erickson, Arthur F., Seattle, Wash. Bottle-holding device. No. 1,222,086; Apr. 10; v. 237; p. 409.
- Erickson, August C., Tecumseh, Nebr. Cabinet. No. 1,231,005; June 26; v. 239; p. 1005.
- Erickson, Axel G., and E. B. Henry, Bandon, Oreg. Shock-absorber for vehicles. No. 1,216,221; Feb. 13; v. 235; p. 650.
- Erickson, Charles, *et al.* (See Peterson, Charlie, assignor.)
- Erickson, Charles A. (See Riikonen, John, assignor.)
- Erickson, Charles A., Cashton, Wis. Window-ventilator. No. 1,215,131; Feb. 6; v. 235; p. 226.
- Erickson, Charles F., Brooklyn, N. Y. Resilient tire. No. 1,228,305; May 29; v. 238; p. 1583.
- Erickson, Charles F., Greenwich, Conn. Vehicle-wheel. No. 1,251,358; Dec. 25; v. 245; p. 977.
- Erickson, Charles J., assignor to Automatic Electric Company, Chicago, Ill. Pole-changer. No. 1,218,067; Mar. 6; v. 236; p. 63.
- Erickson, Charles J., assignor to Automatic Electric Company, Chicago, Ill. Semi-automatic telephone system. No. 1,221,299; Apr. 3; v. 237; p. 105.
- Erickson, Edward. (See Cosgrove and Erickson.)
- Erickson, Edward. (See Johnson and Erickson.)
- Erickson, Edward, Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Tacking apparatus. No. 1,219,446; Mar. 20; v. 236; p. 608.
- Erickson, Edward, Cliftondale, assignor to Victor Shoe Machinery Company, Lynn, Mass. Automatic stop-motion. No. 1,224,456; May 1; v. 238; p. 123.
- Erickson, Edward, Cliftondale, assignor to Victor Shoe Machinery Company, Lynn, Mass. Looper mechanism for sewing-machines. No. 1,243,147; Oct. 16; v. 243; p. 607.
- Erickson, Edward, Cliftondale, assignor to Victor Shoe Machinery Company, Lynn, Mass. Presser-foot mechanism for sewing-machines. No. 1,244,041; Oct. 23; v. 243; p. 914.
- Erickson, Edward S., assignor to McCord Manufacturing Company, Detroit, Mich. Cellular radiator. No. 1,233,765; July 17; v. 240; p. 800.
- Erickson, Frederic W., New York, N. Y. Pipe-cutter. No. 1,216,426; Feb. 20; v. 235; p. 775.
- Erickson, Frederic W., New York, N. Y. Pipe-coupling. No. 1,238,994; Sept. 4; v. 242; p. 88.
- Erickson, Hartvig, Chicago, Ill. Tension-sheave. No. 1,235,964; Aug. 7; v. 241; p. 143.
- Erickson, John, assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. No. 1,217,426; Feb. 27; v. 235; p. 1162.
- Erickson, John, assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. No. 1,225,603; May 8; v. 238; p. 567.
- Erickson, John, assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. No. 1,235,301; July 31; v. 240; p. 1356.
- Erickson, John, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Company. Measured-service telephone system. No. 1,243,721; Oct. 23; v. 243; p. 814.
- Erickson, John, Chicago, Ill., assignor, by mesne assignments, to R. H. Rogers, Rochester, N. Y. Switchboard cord-circuit for fire-alarm telephone systems. No. 1,225,943; May 15; v. 238; p. 723.
- Erickson, John, Chicago, Ill., assignor, by mesne assignments, to R. H. Rogers, Rochester, N. Y. Connector repeater-switch of automatic telephone-exchanges for handling fire-alarm calls. No. 1,228,007; May 29; v. 238; p. 1486.
- Erickson, Louis O., Denver, Colo. Measuring instrument. No. 1,224,725; May 1; v. 238; p. 218.
- Erickson, Martin A., assignor of one-half to O. E. Hulehan, Deer River, Minn. Window-drapery support. No. 1,250,823; Dec. 18; v. 245; p. 770.
- Erickson, Nils O., Black River Falls, Wis. Compartment conveyor. No. 1,241,204; Sept. 25; v. 242; p. 880.
- Erickson, Oscar G., Detroit, Mich. Carbureter. No. 1,240,960; Sept. 25; v. 242; p. 805.
- Erickson, Oscar G., Detroit, Mich. Heating-jacket for carbureters. No. 1,247,096; Nov. 20; v. 244; p. 648.
- Erickson, Peter, Windsor, Ontario, Canada. Poisoned-food container. No. 1,233,332; July 17; v. 240; p. 659.
- Erickson, Peter, Chicago, Ill. Cutter-guard. No. 1,240,430; Sept. 18; v. 242; p. 607.
- Erickson, S. A. (See Normann, John P., assignor.)
- Erickson, Thomas, Reardon, Wash. Hoof-trimmer. No. 1,229,732; June 12; v. 239; p. 506.
- Erickson, Thomas M., Chicago, Ill. Electric railway. No. 1,240,184; Sept. 18; v. 242; p. 529.
- Erickson, William T., New York, N. Y. Snow-melter. No. 1,243,497; Oct. 16; v. 243; p. 712.
- Ericksson, Harold L., Larchmont, N. Y. Lawn-trimmer. No. 1,218,173; Mar. 6; v. 236; p. 99.
- Ericson, Arthur E., Manchester, Mass., assignor of one-fourth to G. A. Whipple, Binghamton, N. Y. Radio-controlled torpedo. No. 1,228,892; June 5; v. 239; p. 176.
- Ericson, Carl L., Longmeadow, assignor to American Saw & Manufacturing Company, Springfield, Mass. Saw-setting machine. No. 1,238,500; Aug. 28; v. 241; p. 1059.
- Ericson, Erithiof G., assignor to Canadian Aeroplanes Limited, Toronto, Ontario, Canada. Aeroplane construction. No. 1,247,802; Nov. 27; v. 244; p. 885.
- Ericson, George W., assignor to W. E. Hamerstrom, Galesburg, Ill. Hog-oiler. No. 1,238,900; Sept. 4; v. 242; p. 58.
- Ericson, Lawrence. (See Currier and Ericson.)
- Ericson, Lawrence, assignor to Kellogg Smith aboard and Supply Company, Chicago, Ill. Controlling mechanism for clock-movements. No. 1,223,778; Apr. 24; v. 237; p. 1075.
- Erie Coil Company, The. (See Bullock, Arthur R., assignor.)
- Erikson, David, Drayton, N. D. Pencil-holder and envelop-opener. No. 1,215,010; Feb. 6; v. 235; p. 188.
- Erismann, Fritz, Lucerne, Switzerland. Bracket-support or the like. No. 1,229,427; June 12; v. 239; p. 404.
- Erkens, Charles R., New York, N. Y. Self-sustaining floor-arch. No. 1,242,669; Oct. 9; v. 243; p. 423.
- Ermatinger, Orson C., Scales, Cal. Snow-tractor. No. 1,217,729; Feb. 27; v. 235; p. 1269.
- Ernold, Mark A., Haddon Heights, N. J. Playing-cards. No. 1,212,193; Jan. 16; v. 234; p. 689.
- Ernst, Edward H., Waseca, Minn. Journal-lubricator. No. 1,222,857; Apr. 17; v. 237; p. 722.
- Ernst, George, Newark, N. J. Safety gage-glass. No. 1,225,604; May 8; v. 238; p. 567.
- Ernst, John, Salt Lake City, Utah. Earth-auger. No. 1,251,206; Dec. 25; v. 245; p. 931.
- Ernst, Oscar, Schuyler, Nebr. Rotary egg-support for incubators. No. 1,242,670; Oct. 9; v. 243; p. 423.
- Ernst, William, San Francisco, Cal. Rotary driver. No. 1,238,501; Aug. 28; v. 241; p. 1059.
- Erny, Henry L. (See Kleinfeldt, Arthur, assignor.)
- Erret, Joseph, Cleveland, Ohio. Adjustable folding seat. No. 1,220,832; Mar. 27; v. 236; p. 1130.
- Errett, Charles, New York, N. Y. Cup-dispenser. No. 1,229,733; June 12; v. 239; p. 506.
- Errett, Thomas A., Portland, Oreg. Mandrel for welding sections of sheet-metal conduit or pipe together. No. 1,240,326; Sept. 18; v. 242; p. 576.
- Errett, Thomas A., assignor of one-third to T. L. Hanning and one-third to F. Robbins, Portland, Oreg. Ox-acetylene cutting and welding torch. No. 1,244,042; Oct. 23; v. 243; p. 914.
- Erringer, James W., Chicago, Ill. Tweezers. No. 1,230,142; June 19; v. 239; p. 678.
- Errington, Franklin A., Stapleton, N. Y. Multiple tapping device and similar tool. No. 1,226,486; May 15; v. 238; p. 907.
- Errington, Franklin A., Stapleton, N. Y. Ceiling drill-press. No. 1,226,487; May 15; v. 238; p. 907.
- Erslev, Knud, Nijmegen, Netherlands. Manufacture of margarin. No. 1,216,674; Feb. 20; v. 235; p. 860.
- Erslev, Knud, Nijmegen, Netherlands. Manufacture of margarin. No. 1,216,675; Feb. 20; v. 235; p. 860.
- Erslev, Knud, Nijmegen, Netherlands. Manufacture of margarin. No. 1,232,016; July 3; v. 240; p. 162.
- Ersnes, Nils, Antelope, Mont. Bread-cutter. No. 1,221,300; Apr. 3; v. 237; p. 105.
- Ertner, August C., Vancouver, British Columbia, Canada. Type-writer copy-holder. No. 1,211,833; Jan. 9; v. 234; p. 534.
- Ervin, Edwin G., and F. C. Smith, Stilwell, Okla. Automatic exposure-spacing machine for roll-films for cameras. No. 1,232,254; July 3; v. 240; p. 240.
- Ervin, James M., Onaway, Mich. Dirigible headlight. No. 1,213,765; Jan. 23; v. 234; p. 1269.
- Erwin, Benjamin F., Fairfax, Mo. Whip-socket. No. 1,216,297; Feb. 20; v. 235; p. 729.
- Erwin, Benjamin F., Fairfax, Mo. Snow-plow. No. 1,243,926; Oct. 23; v. 243; p. 879.
- Erwin, James B. and O. R., Milwaukee, Wis. Apparatus for and process of generating foam. No. 1,214,660; Feb. 6; v. 235; p. 63.
- Erwin, James B. and O. R., Milwaukee, Wis. Foam-generating apparatus. No. 1,214,661; Feb. 6; v. 235; p. 63.
- Erwin, James B. and O. R., Milwaukee, Wis. Apparatus for extinguishing fires. No. 1,216,789; Feb. 20; v. 235; p. 900.

- Erwin, James B. and O. R., Milwaukee, Wis. Fire-extinguishing apparatus. No. 1,225,944; May 15; v. 238; p. 724.
- Erwin, James B. and O. R., Milwaukee, Wis. Quick-acting foam compound for extinguishing fires. No. 1,247,803; Nov. 27; v. 244; p. 886.
- Erwin, Jessie M., Billings, Mont. Baby-jumper. No. 1,221,850; Apr. 10; v. 237; p. 327.
- Erwin, Luther C., Fort Payne, Ala. Water-closet. No. 1,243,148; Oct. 16; v. 243; p. 608.
- Erwin, Orlando R. (See Erwin, James B. and O. R.)
- Erwin, R. D., *et al.* (See Barnett, John B., assignor.)
- Erwin, Roswell C., Oak Park, Ill. Self-lubricating spring. No. 1,249,361; Dec. 11; v. 245; p. 301.
- Erwin, William, Philadelphia, Pa. Internal-explosion engine. No. 1,213,172; Jan. 23; v. 234; p. 1065.
- Escher, Joseph, Pittsburgh, and J. Nagy, West View, assignors to James H. Matthews & Company, Pittsburgh, Pa. Die-holder. No. 1,214,662; Feb. 6; v. 235; p. 64.
- Eschliman, Oliver E., assignor to The Gilliam Manufacturing Company, Canton, Ohio. Bow rest and clamping device. No. 1,246,731; Nov. 13; v. 244; p. 504.
- Escutcheon, Louis, Philadelphia, Pa. Scraping and cleaning device. No. 1,243,825; Oct. 23; v. 243; p. 849.
- Eshleman, David F., Waynesboro, Pa. Hay-elevator. No. 1,250,824; Dec. 18; v. 245; p. 770.
- Eskholme, John W. (See Cayer, McDonald, and Eskholme.)
- Espenlaub, Charles H., *et al.* (See Espenlaub, John W., assignor.)
- Espenlaub, John W., Evansville, Ind., assignor of two-thirds to C. H. Espenlaub and H. R. Hoge. Trunk-fastener. No. 1,214,489; Jan. 30; v. 234; p. 1548.
- Espenschied, Lloyd, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Wireless receiving system. No. 1,223,376; Apr. 24; v. 237; p. 930.
- Espenschied, Lloyd, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Duplex circuit. No. 1,233,766; July 17; v. 240; p. 801.
- Espenschied, Lloyd, Brooklyn, N. Y., assignor to American Telephone and Telegraph Co. Duplex circuit. No. 1,233,767; July 17; v. 240; p. 801.
- Espenschied, Lloyd, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Inductance device. No. 1,233,768; July 17; v. 240; p. 801.
- Espenschied, Lloyd, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Duplex circuit. No. 1,233,769; July 17; v. 240; p. 802.
- Esperon, J. F. (See Ostrander, Lewis F., assignor.)
- Esping, Conrad, Moline, Ill., assignor to Moline Plow Company. Guiding mechanism for agricultural implements. No. 1,250,156; Dec. 18; v. 245; p. 569.
- Espy, Carl. (See Batchelor, Jamie H., assignor.)
- Esrey, Earl D., Deer Park, N. Y. Table. No. 1,217,730; Feb. 27; v. 235; p. 1270.
- Essansee Lock Company. (See Carson, John F., assignor.)
- Esser, Henry J., New Orleans, La. Garter. No. 1,224,154; May 1; v. 238; p. 13.
- Essex, Harry. (See Brooks and Essex.)
- Essex, Harry. (See Hibbert, Essex, and Brooks.)
- Essex, Harry, and I. W. Humphrey, assignors to Gulf Refining Company, Pittsburgh, Pa. Purifying amyl compounds. No. 1,233,333; July 17; v. 240; p. 659.
- Essig, Norman S., Philadelphia, Pa. Attachment for a tooth-clasp with a mouth-plate or other form of denture. No. 1,233,857; July 17; v. 240; p. 832.
- Esslinger, Sarah E., Sheffield, Iowa. Garment-fastener. No. 1,228,893; June 5; v. 239; p. 176.
- Estell, Lewis, Manassquan, N. J. Plastic tie. No. 1,218,537; Mar. 6; v. 236; p. 223.
- Esterly, Augustus H., Philadelphia, Pa., assignor to The S. S. White Dental Manufacturing Company. Gas-burner. No. 1,245,891; Nov. 6; v. 244; p. 227.
- Estes, Elizabeth. (See Tighe, William P., assignor.)
- Estes, Elmer F., Lincoln, Nebr. Pile and sinking same. No. 1,248,296; Nov. 27; v. 244; p. 1024.
- Estes, Henry D., assignor of one-fourth to R. Holbrook, one-fourth to W. H. Parks, and one-half to H. T. Holbrook, Hartford, Ky. Propeller. No. 1,220,080; Mar. 20; v. 236; p. 830.
- Estes, Loando B., North Adams, Mass. Mirror-attaching device. No. 1,242,335; Oct. 9; v. 243; p. 315.
- Estes, Samuel E., Ruby, Ky. Bridle. No. 1,215,357; Feb. 13; v. 235; p. 339.
- Estes, William P. R., Jr. (See Ferguson, Clarence L., assignor.)
- Estey Organ Company. (See Haskell, William E., assignor.)
- Estler, Harry S., assignor to Trussed Concrete Steel Company, Detroit, Mich. Window-frame. No. 1,232,905; July 10; v. 240; p. 487.
- Estler, Louis E., Paterson, N. J. Toy. No. 1,222,858; Apr. 17; v. 237; p. 723.
- Estock, John, Yonkers, N. Y. Mechanical movement. No. 1,239,169; Sept. 4; v. 242; p. 144.
- Esty Sprinkler Company. (See Esty, William, assignor.)
- Esty, William, assignor to Esty Sprinkler Company, Laconia, N. H. Automatic stationary fire-extinguisher. No. 1,211,834; Jan. 9; v. 234; p. 534.
- Esty, William, deceased; C. W. Tyler, executor, assignor to Esty Sprinkler Company, Laconia, N. H. Sprinkler for automatic fire-extinguishing systems. No. 1,230,469; June 19; v. 239; p. 787.
- Etablissements De Dion Bouton, Société Anonyme. (See Gallet, Henri, assignor.)
- Etaix, Louis, Paris, France. Coffee extract. No. 1,251,359; Dec. 25; v. 245; p. 977.
- Etheridge, Allen F., Evergreen, Ala. Means for catching insects. No. 1,214,444; Jan. 30; v. 234; p. 1533.
- Etheridge, Herbert, London, assignor to The Bar-Lock Typewriter Company Limited, London, England. Type-bar action. No. 1,212,921; Jan. 16; v. 234; p. 945.
- Etienne, John W., Clarion, Iowa. Boiler-compound feeder. No. 1,221,851; Apr. 10; v. 237; p. 328.
- Ette, Charles G., St. Louis, Mo. Traffic-directing signal for vehicles. No. 1,239,093; Sept. 4; v. 242; p. 120.
- Ettenger, Robert L. (See Coapman and Ettenger.)
- Ettenger, Robert L., Washington, D. C. Safety-cap for boiler-plugs. No. 1,248,297; Nov. 27; v. 244; p. 1024.
- Ettenger, Alexander, Cleveland, Ohio. Device for measuring keys. No. 1,250,999; Dec. 25; v. 245; p. 872.
- Ettinger, Samuel N., assignor of one-half to J. Ryack and S. Wasserman, Boston, Mass. Coat-front. No. 1,236,278; Aug. 7; v. 241; p. 240.
- Eubank, Henry R., Etna Mills, Va. Shock-handling device. No. 1,249,935; Dec. 11; v. 245; p. 468.
- Eubanks, Joseph A., Greenfield, Ohio. Pencil-holder. No. 1,212,034; Jan. 9; v. 234; p. 604.
- Euchenhofer, Adolph F., assignor to The Standard Register Company, Dayton, Ohio. Autographic register. No. 1,221,521; Apr. 3; v. 237; p. 183.
- Eugene Dietzgen Company. (See Lerch, William H., assignor.)
- Euler, Frederick, North Branch, N. Y. Poultry-feeder. No. 1,214,145; Jan. 30; v. 234; p. 1430.
- Euler, Clide F., Topeka, Kans. Gas-generator. No. 1,234,319; July 24; v. 240; p. 1016.
- Euler, William G. B., San Francisco, assignor of one-fourth to F. W. Cain, Las Plumas, and one-eighth to C. F. Benham, Alameda, Cal. Cable-pulling clamp. No. 1,244,043; Oct. 23; v. 243; p. 915.
- Eunson, Joseph W., Brunswick, Victoria, assignor to Woods-Gilbert Rail Planer Company, Limited, Melbourne, Australia. Machine for dressing rails. No. 1,216,097; Feb. 13; v. 235; p. 607.
- Euphrat, Theophile, South Norwalk, Conn. Shade-holder. No. 1,222,749; Apr. 17; v. 237; p. 685.
- Eureka Automatic Gas Valve Mfg. Co. (See Dearing, Joseph W., assignor.)
- Eureka Carbureter Co. (See Vodicka and Young, assignors.)
- Eureka Carbureter Company. (See Young, Adolph F., assignor.)
- Eureka Mower Company. (See Gilroy, William E., assignor.)
- Eureka Mucking & Engineering Company. (See Halby, Viggo G., assignor.)
- Eureka Projector Device Co. (See Hamilton, Frank C., assignor.)
- Eureka Silo Company. (See Wolf, Charles, assignor.)
- Eureka Smokeless Furnace Company, The. (See Buck, Niels, assignor.)
- Eureka Smokeless Furnace Company, The. (See Foltz, Ira W., assignor.)
- Eureka Smokeless Furnace Company, The. (See Nilson, Andrew, assignor.)
- Eustice, Alfred L., assignor to Economy Fuse & Manufacturing Company, Chicago, Ill. Cartridge-fuse. No. 1,217,289; Feb. 27; v. 235; p. 1113.
- Eustis, Frederic A., Milton, Mass. Removing sulfur dioxide from metallurgical smoke and similar gases. No. 1,212,199; Jan. 16; v. 234; p. 689.
- Eustis, Frederic A., Milton, Mass. Sintering apparatus. No. 1,212,333; Jan. 16; v. 234; p. 739.
- Eustis, Frederic A., Milton, Mass. Treatment of nickel ores. No. 1,212,334; Jan. 16; v. 234; p. 739.
- Eustis, Frederic A., Milton, Mass. Treating ores or metal-bearing products. No. 1,230,143; June 19; v. 239; p. 678.
- Eustis, Frederic A., Milton, Mass. Treating iron ore. No. 1,237,765; Aug. 21; v. 241; p. 790.
- Eustis, John P., Newton, and A. T. Brown, Arlington, assignors to J. P. Eustis Manufacturing Company, Boston, Mass. Pneumatically-operated musical instrument. No. 1,221,162; Apr. 3; v. 237; p. 56.
- Eustis, John P., Newton, and A. T. Brown, Arlington, assignors to J. P. Eustis Mfg. Company, Boston, Mass. Pneumatically-operated musical apparatus. No. 1,251,000; Dec. 25; v. 245; p. 872.
- Euverard, Homer H., Hillsboro, Ohio. Ink-bottle attachment. No. 1,238,653; Aug. 28; v. 241; p. 1108.
- Evangelist, Dominick. (See Puccini and Evangelist.)
- Evans, A. D., *et al.* (See Markwell, Andrew E., assignor.)
- Evans, Arthur B., assignor to George Mann and Company Limited, Leeds, England. Printing machinery. No. 1,215,132; Feb. 6; v. 235; p. 226.
- Evans, Arthur B., assignor to George Mann and Company Limited, Leeds, England. Printing machinery. No. 1,237,886; Aug. 21; v. 241; p. 826.
- Evans, Arthur F., trustee. (See Wilkinson, John F., assignor.)
- Evans-Brandt Manufacturing Company. (See Brandt and Evans, assignors.)
- Evans, Charles D., Kings Mountain, Ky. Combination-table. No. 1,213,085; Jan. 16; v. 234; p. 1001.
- Evans, Charles F. (See McCarter, Charles, assignor.)

Alphabetical list of patentees—Continued.

- Evans, Charles R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Wire-assembling machine. No. 1,249,053; Dec. 4; v. 245; p. 181.
- Evans, Clarence T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,214,663; Feb. 6; v. 235; p. 64.
- Evans, Clarence T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Welding-controller. No. 1,215,921; Feb. 13; v. 235; p. 542.
- Evans, Clarence T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,243,722; Oct. 23; v. 243; p. 815.
- Evans, Daniel L., *et al.*, trustees. (See Phillippi, Frank A., assignor.)
- Evans, David H., Milbank, S. D. Joint-chair. No. 1,212,035; Jan. 9; v. 234; p. 604.
- Evans, E. Channing. (See Benson, Mirza H., assignor.)
- Evans, Edd J., Cherokee, Okla. Coin-mailing receptacle. No. 1,235,194; July 31; v. 240; p. 1323.
- Evans, Edward S., Richmond, Va. Chock-block. No. 1,223,374; Apr. 10; v. 237; p. 513.
- Evans, Edward, Pittsburgh, Pa. Combined collar-fastener and necktie-guard. No. 1,231,512; June 26; v. 239; p. 1173.
- Evans, Edward S., Detroit, Mich. Chock-block. (Reissue.) No. 14,306; May 29; v. 238; p. 1610.
- Evans Engine Company. (See Evans, James M., assignor.)
- Evans, Ernest W., Robinson, Ill. Appliance for hot-water heating systems. No. 1,247,097; Nov. 20; v. 244; p. 648.
- Evans, Evan, Berlin, Germany, assignor to General Electric Company. Metering device for electrical distributing apparatus. No. 1,218,538; Mar. 6; v. 236; p. 224.
- Evans, Francis D., Denver, assignor to one-third to P. A. Kinzie, Littleton, Colo. Spring-controlled split switch for railway-tracks. No. 1,239,262; Sept. 4; v. 242; p. 174.
- Evans, Frank, and D. Dutt, assignors of one-third to B. O. Markham, Riverdale, Mich. Railway-switch. No. 1,223,945; Apr. 24; v. 237; p. 1131.
- Evans, Frank T., U. S. Navy, assignor to G. H. Benjamin, New York, N. Y. Obtaining pure water from salt water. No. 1,225,118; May 8; v. 238; p. 402.
- Evans, G. B. (See Stroud, John B., assignor.)
- Evans, George, New York, N. Y. Artificial tooth. No. 1,243,392; Oct. 16; v. 243; p. 680.
- Evans, George B., Newton, Mass. Delivering mechanism. No. 1,243,723; Oct. 23; v. 243; p. 815.
- Evans, George R., Fresno, Cal. Lawn-trimmer. No. 1,232,255; July 3; v. 240; p. 241.
- Evans, Harlow J., Baker, Oreg. Sheathing for wooden buildings. No. 1,236,829; Aug. 14; v. 241; p. 453.
- Evans, Harry, Bryn Mawr, Pa. Spring-attaching means for automobiles. No. 1,222,037; Apr. 10; v. 237; p. 410.
- Evans, Harry N., Sr., assignor of two-thirds to A. M. Joyce and B. H. Green, Philadelphia, Pa. Hose-coupling. No. 1,222,088; Apr. 10; v. 237; p. 410.
- Evans, Henry R., New York, N. Y. Combined reflector and source of light in the same. No. 1,239,371; Sept. 4; v. 242; p. 208.
- Evans, Howard S., assignor to Macbeth-Evans Glass Company, Pittsburgh, Pa. Decorating glassware. No. 1,226,957; May 22; v. 238; p. 1103.
- Evans, James D., Montgomery, Ala. Fireplace. No. 1,213,173; Jan. 23; v. 234; p. 1065.
- Evans, James M., Westport, Conn., assignor to Evans Engine Company, Incorporated. Carbureter. No. 1,232,256; July 3; v. 240; p. 241.
- Evans, James M., Westport, Conn., assignor to Evans Engine Company, Incorporated. Carbureter. No. 1,232,257; July 3; v. 240; p. 241.
- Evans, James M., Westport, Conn., assignor to Evans Engine Company, Incorporated. Carbureter. No. 1,232,258; July 3; v. 240; p. 241.
- Evans, James M., Westport, Conn., assignor to Evans Engine Company, Incorporated. Carbureter. No. 1,232,259; July 3; v. 240; p. 242.
- Evans, James M., Westport, Conn., assignor to Evans Engine Company, Incorporated. Carbureter. No. 1,232,260; July 3; v. 240; p. 242.
- Evans, James M., Westport, Conn., assignor to Evans Engine Company, Incorporated. Carburetorization of air for use in explosive-engines. No. 1,232,261; July 3; v. 240; p. 243.
- Evans, John R. (See Brandt and Evans.)
- Evans, John T., Hubbard, Ohio. Condiment-holder. No. 1,219,385; Mar. 13; v. 236; p. 558.
- Evans, Leigh R., Rochester, N. Y. Gasolene-tank for motor-cycles. No. 1,226,199; May 15; v. 238; p. 811.
- Evans, Lewis L. (See Hart and Evans.)
- Evans, Lewis S., Pittsburgh, Pa. Filling-valve. No. 1,240,431; Sept. 18; v. 242; p. 608.
- Evans, Lyda D., Hearne, Texas. Fishing signaling apparatus. No. 1,220,617; Mar. 27; v. 236; p. 1056.
- Evans, Owen B., assignor to The United Gas Improvement Company, Philadelphia, Pa. Manufacture of toluol. No. 1,230,087; June 12; v. 239; p. 622.
- Evans, Owen J. (See Lyda, Arthur W., assignor.)
- Evans, Philip J., Malad City, Idaho. Memorandum-calendar. No. 1,222,612; Apr. 17; v. 237; p. 637.
- Evans, Powell. (See Stoney, Malcolm P., assignor.)
- Evans, Powell, Philadelphia, Pa. Motor-tractor. No. 1,228,306; May 29; v. 238; p. 1583.
- Evans, Powell, Philadelphia, Pa. Axle construction. No. 1,228,307; May 29; v. 238; p. 1584.
- Evans, Powell, Philadelphia, Pa. Universal joint. No. 1,231,722; July 3; v. 240; p. 64.
- Evans, Powell, assignor, by mesne assignments, to Globe Automatic Sprinkler Company, Philadelphia, Pa. Dry-pipe valve. No. 1,226,488; May 15; v. 238; p. 908.
- Evans, Powell, assignor, by mesne assignments, to Globe Automatic Sprinkler Company, Philadelphia, Pa. Dry-pipe valve. No. 1,226,489; May 15; v. 238; p. 908.
- Evans, Richard W., Kennett, Cal. Car-stop. No. 1,231,513; June 26; v. 239; p. 1173.
- Evans, Robert A., Mogollon, N. Mex. Oil-burner. No. 1,229,921; June 12; v. 239; p. 569.
- Evans, Rollo E., Emporia, Kans. Footboard for switch-engines. No. 1,228,308; May 29; v. 238; p. 1584.
- Evans, Samuel. (See Nilsson, Nicholas T., assignor.)
- Evans, Sidney P., Petone, New Zealand. Apparatus for operating roller window-blinds. No. 1,235,451; July 31; v. 240; p. 1399.
- Evans' Sons, John. (See Evans, William, assignor.)
- Evans Stamping & Plating Company. (See Tuttle, Henry A., assignor.)
- Evans, Sylvanus C., Providence, R. I. Fastener for blinds or shutters. No. 1,218,068; Mar. 6; v. 236; p. 63.
- Evans, Thomas J. (See Munson, Luther S., assignor.)
- Evans, Thomas M., Granite City, Ill. Method of and apparatus for making terne plates. No. 1,213,851; Jan. 30; v. 234; p. 1330.
- Evans, Walter P., Des Moines, Iowa, assignor of one-fourth to Wenzelmann Mfg. Co., Galesburg, Ill., one-fourth to E. C. Bomar, and one-fourth to R. Davies, Clay Center, Kans. Automatic automobile-jack. No. 1,214,024; Jan. 30; v. 234; p. 1390.
- Evans, William, Oak Lane, assignor to J. Evans' Sons, Philadelphia, Pa. Trimming-machine. No. 1,247,651; Nov. 27; v. 244; p. 838.
- Eveleth, Clarence M., River Forest, Provisto, Ill. Shade-adjuster. No. 1,249,936; Dec. 11; v. 245; p. 468.
- Evensen, William M., Chicago, Ill., assignor to Goss Printing Press Company. Inking mechanism for printing-presses. No. 1,247,943; Nov. 27; v. 244; p. 924.
- Evensen, William M., Chicago, Ill., assignor to Goss Printing Press Company. Inking mechanism for printing-presses. No. 1,247,944; Nov. 27; v. 244; p. 925.
- Evenson, Adolph O., Duluth, Minn. Horseshoe-calk. No. 1,225,119; May 8; v. 238; p. 402.
- Evenson, Henry. (See Kayetan and Evenson.)
- Ever-Last Cotton Shoe Corporation. (See Greer, Medorem W., assignor.)
- Everburn Heater Company. (See Krebs, Charles H., assignor.)
- Everett, Daniel S., Jordan, N. Y. Power-jack for automobiles. No. 1,212,200; Jan. 16; Gaz. vol. 234; p. 689.
- Everett, Edward, Pittsburgh, Pa. Railway cross-tie. No. 1,212,922; Jan. 16; v. 234; p. 945.
- Everett, Ernest C., assignor to R. E. Dietz Company, New York, N. Y. Wick-raising device for lamps and lanterns. No. 1,247,518; Nov. 20; v. 244; p. 768.
- Everett, Ernest C., assignor to R. E. Dietz Co., New York, N. Y. Burner-shaft handle. No. 1,247,804; Nov. 27; v. 244; p. 886.
- Everett, Francis D., Saranac Lake, N. Y. Transmission-dynamometer. No. 1,212,751; Jan. 16; v. 234; p. 888.
- Everett, Henry L., Philadelphia, Pa. Flash-lamp. No. 1,211,121; Jan. 2; v. 234; p. 255.
- Everett, James D., Crown Point, Ind. Boltless rail-joint. No. 1,214,529; Feb. 6; v. 235; p. 17.
- Everett, Russell M. (See Howard, William S., assignor.)
- Everlastik, Inc. (See Austin, Herbert A., assignor.)
- Everlastik, Incorporated. (See Kendrick, Solomon, assignor.)
- Everoad, Lennious P., assignor to Reeves Pulley Company, Columbus, Ind. Chucking device for rollers. No. 1,215,785; Feb. 13; v. 235; p. 493.
- Evers, William H., Lakewood, assignor, by mesne assignments, to trustees of The R. C. Products Trust, Cleveland, Ohio. Building construction. (Reissue.) No. 14,352; Sept. 11; v. 242; p. 487.
- Evershed, Sydney, Chiswick, London, England. Testing of insulation. No. 1,212,467; Jan. 16; v. 234; p. 785.
- Evershed, Sydney, and W. D. Kilroy, Chiswick, England. Sound-emitter. No. 1,218,934; Mar. 13; v. 236; p. 404.
- Eversole, Frank R. (See Eversole, Cawthon, and Owen, assignors.)
- Eversole, Henley, Newman, Ill. Agricultural tractor. No. 1,226,200; May 15; v. 238; p. 811.
- Eversole, Henry N., H. R. Cawthon, and H. I. Owen, Fulton; said Cawthon and said Owen assignors to said Henry N. and F. R. Eversole, St. Louis, Mo. Means to deflate inner tubes. No. 1,229,734; June 12; v. 239; p. 506.
- Everson, Ervin E., Lyle, assignor of one-fourth to E. J. Jacobs, one-fourth to W. J. Aberle, and one-fourth to E. M. Aberle, St. Paul, Minn. Loading-machine. No. 1,249,054; Dec. 4; v. 245; p. 181.
- Everts, George W., Minneapolis, Minn. Christmas-tree stand. No. 1,222,273; Apr. 10; v. 237; p. 476.
- Everts, William P. (See Henrici, William A. E., assignor.)
- Evinrude Motor Company. (See Meyer, Christopher J., assignor.)

- Evslin, Leo E., New York, N. Y. Artificial tooth. No. 1,218,989; Mar. 13; v. 236; p. 423.
- Evslin, Leo E., New York, N. Y., assignor, by mesne assignments, to D. Stalberg, Philadelphia, Pa. Artificial tooth. No. 1,238,397; Aug. 28; v. 241; p. 1026.
- Evslin, Leo E., New York, N. Y., assignor, by mesne assignments, to Lee Surgico-Dental M'fg Co., Inc. Dental instrument. No. 1,245,153; Nov. 6; v. 244; p. 4.
- Ewald, William F., Java, S. D. Resilient wheel. No. 1,215,511; Feb. 13; v. 235; p. 394.
- Ewart, Archibald M., Barberton, Ohio. Motor-winding crank. No. 1,232,779; July 10; v. 240; p. 445.
- Ewart, Archibald M., Barberton, Ohio. Motor-winding crank. No. 1,238,654; Aug. 28; v. 241; p. 1108.
- Ewell, Ocie D., Bellevue, Tex. Folding washstand. No. 1,216,098; Feb. 13; v. 235; p. 607.
- Ewen, Adam L., North Smithfield, R. I. Tool-holder. No. 1,237,185; Aug. 14; v. 241; p. 563.
- Ewen, Earl B., (See Kerlin, Frederick, assignor.)
- Ewen, Harry A., London, England, assignor to Marconi Wireless Telegraph Company of America, New York, N. Y. Measuring instrument. No. 1,220,833; Mar. 27; v. 236; p. 1131.
- Ewen, Malcolm F., and A. L. S. McCurdy, Chicago, Ill., assignors to Larsen Ice Machine Company (Inc.), Wilmington, Del. Ice-cream freezer. No. 1,230,692; June 19; v. 239; p. 861.
- Ewertz, Eric H., Wollaston, Mass. Sled. No. 1,247,098; Nov. 20; v. 244; p. 648.
- Ewing, Alice H., Salt Lake City, Utah. Letter-box. No. 1,228,193; May 29; v. 238; p. 1547.
- Ewing, Amos A., et al. (See Vinson, Thomas C., assignor.)
- Ewing, Charles F., Johnstown, Pa. Box-car construction. No. 1,227,408; May 22; v. 238; p. 1253.
- Ewing, Ernest E., Spokane, Wash. Brake appliance. No. 1,240,127; Sept. 11; v. 242; p. 473.
- Ewing, James F., et al. (See Patton, George S., assignor.)
- Ewing, Robert E., Avalon, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Adjustable shade-holder. No. 1,235,020; July 31; v. 240; p. 1272.
- Ewing, Robert E., assignor to Welsbach Light Company, Gloucester, N. J. Globe-holder for incandescent gas-lamps. No. 1,239,372; Sept. 4; v. 242; p. 208.
- Ewing, Robert G., Toledo, Ohio. Continuous glass-drawing apparatus. No. 1,240,185; Sept. 18; v. 242; p. 529.
- Ewing, William B., (See Kinkad, Robert S., assignor.)
- Ewing, William B., (See Kinkad and Ford, assignors.)
- Ewing, William C., Los Angeles, Cal. White cement. No. 1,239,579; Sept. 11; v. 242; p. 303.
- Ewing, William J., Roland Park, Md., assignor to The Coffee Products Company. Coffee product and making the same. No. 1,229,052; June 5; v. 239; p. 227.
- Excelsior Steel Furnace Company, The. (See Scherer, Albert G., assignor.)
- Exline, Marcus P., Dallas, Tex. Check-book-stub holder. No. 1,222,375; Apr. 10; v. 237; p. 513.
- Exline, Marcus P., Dallas, Tex. Account-book. No. 1,238,655; Aug. 28; v. 241; p. 1108.
- Exolon Company, The. (See Kalmus, Herbert T., assignor.)
- Expandem Tool and Manufacturing Company. (See Van Der Vorn, Jacob, assignor.)
- Exton, Alfred H., (See Nichols and Exton.)
- Extrand, Alfred, Aberdeen, Wash. Torpedo. No. 1,212,468; Jan. 16; v. 234; p. 786.
- Extrand, Alfred, Aberdeen, Wash. Airship. No. 1,221,430; Apr. 3; v. 237; p. 151.
- Eyer, Philipp, Halberstadt, assignor to R. Koepp & Co., Oestrich-on-the-Rhine, Germany. Production of antimonates. No. 1,211,564; Jan. 9; v. 234; p. 441.
- Eyer, Philipp, Halberstadt, assignor to R. Koepp & Co., Oestrich-on-the-Rhine, Germany. Production of ground enamels. No. 1,249,937; Dec. 11; v. 245; p. 469.
- Eylar, Mathew S., et al. (See Dennis, Adolphus S., assignor.)
- Ezell, Uberto D., Kimball, Tex. Baling - press. No. 1,237,495; Aug. 21; v. 241; p. 702.
- Ezzo, Pasquale, Newark, N. J. Coffee-roaster. No. 1,224,620; May 1; v. 238; p. 180.
- F. A. Hardy & Company. (See Troppman, Charles J., assignor.)
- F. A. Neider Company, The. (See Laible, Frank J., assignor.)
- F. A. Neider Company, The. (See Neider, Fred A., assignor.)
- F. A. Whitney Carriage Company. (See Ambler, George B., assignor.)
- F. B. Pease Co. (See Contant, William A., assignor.)
- F. B. Redington Company. (See Milmo, Michael J., assignor.)
- F. E. Myers and Brother. (See Myers, Philip A., assignor.)
- F. F. Dalley Corporations, The. (See Hood, Hubert E., assignor.)
- F. F. Slocumb & Co. (See Slocumb, Frank F., assignor.)
- F. H. Smith Manufacturing Company. (See Larsen, Ivert, assignor.)
- F. H. Weeks Lumber Company, The. (See Weeks, Frederick H., assignor.)
- F. J. Strobel & Co. (See Strobel, Francis J., assignor.)
- F. K. Russell Machine Company. (See Russell, Frank K., assignor.)
- F. L. Schmidt Company. (See Novick, Abraham, assignor.)
- F. L. Smidth & Co. (See Pontoppidan, Carl, assignor.)
- F. L. Smidth & Co. (See Schuit, Oscar, assignor.)
- F. N. Burt Company. (See Burt, Robinson, assignor.)
- F. N. Burt Company. (See Dreux, Alexander H., assignor.)
- F. N. Burt Company. (See Holly, Carlos, assignor.)
- F. N. Burt Company. (See Palmer, Lyndon C., assignor.)
- F. R. Blair & Co. (See Blair, Frank R., assignor.)
- F. W. Brackett & Company Limited. (See Copsey, Edwin L., assignor.)
- F. W. Miller Heating Co. (See Miller, Frank W., assignor.)
- F. W. Wakefield Brass Company, The. (See Wakefield, Frederick W., assignor.)
- F. O. B. Manufacturing Company. (See Boswell, Fletcher O., assignor.)
- F. I. A. T. (See Fornaca, Guido, assignor.)
- F. I. A. T. (See Schmidt, Lionel, assignor.)
- F. I. A. T. (Fabrica Italiana Automobili Torino). (See Fornaca, Guido, assignor.)
- Faas, Henry N., and W. L. Braley, assignors to The American Seeding Machine Company, Springfield, Ohio. Hopper for seeding-machines. No. 1,224,911; May 8; v. 238; p. 332.
- Faas, Walter, assignor of one-fourth to C. Steffen, El Paso, Tex. Drafting-tool. No. 1,226,068; May 15; v. 238; p. 768.
- Fabec Manufacturing Company. (See Fegley, Victor, assignor.)
- Fabens, Eugene J. (See Baker, Emory P., assignor.)
- Faber, Charles, Bridgewater, Mass. Lug-strap support for looms. No. 1,230,693; June 19; v. 239; p. 861.
- Faber, Christian C. (See Faber, William J., assignor.)
- Faber, Daniel B., assignor of one-half to C. A. Greenlee, Uhrichsville, Ohio. Nut-lock. No. 1,223,044; Apr. 17; v. 237; p. 786.
- Faber, Daniel B., assignor of one-half to D. H. Brown, Uhrichsville, Ohio. Vitreous cross-tie and rail-fastening. No. 1,228,008; May 29; v. 238; p. 1487.
- Faber, George A., Baltimore, Md. Tire-protector for motor-vehicles. No. 1,219,447; Mar. 20; v. 236; p. 609.
- Faber, Matt, et al. (See Stallings, Francis J., assignor.)
- Faber, William J., Oneida, assignor of one-half to C. C. Faber, Brooklyn, N. Y. Resilient wheel. No. 1,231,343; June 26; v. 239; p. 1118.
- Fabian, William J., Evanston, Ill. Check-writing machine. No. 1,248,096; Nov. 27; v. 244; p. 966.
- Fabianson, Karl G., Cortland, N. Y. Camp-stool. No. 1,242,163; Oct. 9; v. 243; p. 261.
- Fabric Fire Hose Company. (See Cole, William T., assignor.)
- Fabrique Internationale d'Appareils à Magneto S. A. (F. I. A. M.) et al. (See Geisslinger, Johann, assignor.)
- Fabritius Thoralf, Beacon, N. Y. Golf-ball hanger. No. 1,229,428; June 12; v. 239; p. 404.
- Fabrizio, Rocco, Springfield, Mass. Handle and cover-opening appliance for boxes. No. 1,220,834; Mar. 27; v. 236; p. 1131.
- Faessler, Charles A., assignor of one-half to C. J. Kern, Buffalo, N. Y. Engine. No. 1,245,154; Nov. 6; v. 244; p. 4.
- Fafnir Bearing Company, The. (See Carlson, Carl A., assignor.)
- Fafnir Bearing Company, The. (See Cooper, Elisha H., assignor.)
- Fafnir Bearing Company, The. (See Fox, Rudolph H., assignor.)
- Fafnir Bearing Company, The. (See Fox and House, assignors.)
- Fagan, Charles E., Blackstone, Mass. Steam-trap. No. 1,231,144; June 26; v. 239; p. 1052.
- Fagan, Henry. (See Lamb and Fagan.)
- Fagan, John T. (See Frech and Fagan.)
- Fagan, John T., and C. H. Quackenbush, Cleveland, Ohio, assignors to General Electric Company. Exhausting-machine. No. 1,210,620; Jan. 2; v. 234; p. 84.
- Fagan, John T., and C. H. Quackenbush, Cleveland, Ohio, assignors to General Electric Company. Welding-machine. No. 1,213,852; Jan. 30; v. 234; p. 1330.
- Fagan, Lewis E., Chicago, Ill. Corn-planter. No. 1,241,502; Oct. 2; v. 243; p. 8.
- Fageol, Rollie B., Oakland, Cal. Vehicle. No. 1,212,616; Jan. 16; v. 234; p. 838.
- Fageol, Rollie B., Oakland, Cal. Transportation system. No. 1,219,276; Mar. 13; v. 236; p. 519.
- Fageol, Rollie B., Oakland, Cal. Flexible vehicle. No. 1,226,958; May 22; v. 238; p. 1104.
- Fageol, Rollie B., Oakland, Cal. Vehicle. No. 1,226,959; May 22; v. 238; p. 1104.
- Fageol, Rollie B., Oakland, Cal. Vehicle. No. 1,226,960; May 22; v. 238; p. 1104.
- Fageol, Rollie B., Oakland, Cal. Intersteering connection for flexible vehicles. No. 1,226,961; May 22; v. 238; p. 1105.
- Fageol, Rollie B., Oakland, Cal. Flexible road-train. No. 1,226,962; May 22; v. 238; p. 1105.
- Fager, Harley A., Wheeler, Wash. Rod-weeder. No. 1,234,453; July 24; v. 240; p. 1061.

- Fagerstrom, Valfrid E., Duluth, Minn. Cake-turner. No. 1,237,317; Aug. 21; v. 241; p. 645.
- Fable, Raymond J., Chicago, Ill. Conveyer. No. 1,227,899; May 29; v. 238; p. 1450.
- Fahnestock, Ernest B., Plandome, N. Y. Connector for electrical conductors. No. 1,219,632; Mar. 20; v. 236; p. 673.
- Fahnestock, Ernest B., Brooklyn, N. Y. Spring fastening device. No. 1,221,713; Apr. 3; v. 237; p. 247.
- Fahnestock, Ernest B., Brooklyn, N. Y. Spring-terminal connection. No. 1,240,186; Sept. 18; v. 242; p. 530.
- Fahr, Johann G., assignor to Maschinenfabrik Fahr, A.-G., Gottmadingen, Germany. Mowing-machine. No. 1,229,248; June 12; v. 239; p. 343.
- Fahrenbruch, George H., Omaha, Nebr. Pin. No. 1,231,514; June 26; v. 239; p. 1173.
- Fahrenbruch, George H., Omaha, Nebr. Brake-head. No. 1,247,652; Nov. 27; v. 244; p. 839.
- Fahrenwald, Frank A., Cleveland, Ohio, dedicated, by mesne assignments, to the Government of the United States of America. Composite metal article. No. 1,228,194; May 29; v. 238; p. 1547.
- Fahrenwald, Frank A., Cleveland, Ohio, dedicated, by mesne assignments, to the Government of the United States of America. Coating tungsten or molybdenum with noble metals. No. 1,236,383; Aug. 7; v. 241; p. 270.
- Fahrenwald, Frank A., Cleveland, Ohio, dedicated, by mesne assignments, to the Government of the United States of America. Alloy of tungsten and molybdenum. No. 1,236,384; Aug. 7; v. 241; p. 271.
- Fahrmbacher, Alois, Charlottenburg, assignor to Siemens-Schuckert Werke, G. m. b. H., Berlin, Germany. Means for preventing sparking in direct-current machines. No. 1,215,786; Feb. 13; v. 235; p. 493.
- Fahrmbacher, Alois, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke G. m. b. H., Siemensstadt, near Berlin, Germany. Means for preventing sparking in direct-current machines. No. 1,215,787; Feb. 13; v. 235; p. 493.
- Fahrner, William E., McKittrick, Mo. Pump-chain. No. 1,240,550; Sept. 18; v. 242; p. 644.
- Fahrney, John J., Timberville, assignor of one-fourth to H. O. Nicodemus, Woodstock, Va., one-fourth to A. W. Nicodemus, and one-fourth to F. C. Thomas, Buckeystown, Md. Explosion-engine vaporizer for heavy fuels. No. 1,220,968; Mar. 27; v. 236; p. 1174.
- Fahrney, John J., assignor of one-half to J. T. Helbert, Timberville, Va. Water-pump attachment for automobiles. No. 1,236,554; Aug. 14; v. 241; p. 362.
- Fahy, Frank P., Washington, D. C. Method of and apparatus for testing magnetic objects. No. 1,223,377; Apr. 24; v. 237; p. 931.
- Faiella, Andrew E., Jersey City, N. J. Dial for watches and the like. No. 1,216,556; Feb. 20; v. 235; p. 820.
- Fain, A. A. (See Abernathy, Boyd, assignor.)
- Fain, Edward C., Wetumpka, Ala. Coin-controlled mechanism for vending-machines. No. 1,240,187; Sept. 18; v. 242; p. 530.
- Fain, Frank E., *et al.* (See Moore, Perry M., assignor.)
- Faint, Edward, Okanagan Landing, British Columbia, Canada. Device for plucking fowls. No. 1,218,174; Mar. 6; v. 236; p. 99.
- Faint, Edward, Okanagan Landing, British Columbia, Canada. Means for baling hay. No. 1,218,175; Mar. 6; v. 236; p. 100.
- Fair, George A. (See Campbell and Fair.)
- Fair, Peter A., Helena, Mont. Humidifier. No. 1,246,252; Nov. 13; v. 244; p. 361.
- Fairbairn, Thomas M. (See Askew, Joel E., assignor.)
- Fairbanks, Clarence T., Chicago, Ill. Advertising device. No. 1,246,076; Nov. 13; v. 244; p. 308.
- Fairbanks, E. Hayward. (See Jones, Alva D., assignor.)
- Fairbanks, Frank P., Point Pleasant, N. J. Door-check. No. 1,217,731; Feb. 27; v. 235; p. 1270.
- Fairbanks, Morse & Co. (See Hobart, Franklin G., assignor.)
- Fairbanks, Morse & Company. (See Hobart and Jahnke, assignors.)
- Fairbanks, Morse & Company. (See Morse and Hobart, assignors.)
- Fairbanks-Morse Electrical Manufacturing Company. (See Bailey, Barr, More, and Long, assignors.)
- Fairbanks, Worth R., Fine, N. Y. Receptacle. No. 1,219,091; Mar. 13; v. 236; p. 456.
- Fairburn, William A., Short Hills, N. J., assignor to The Diamond Match Company, Chicago, Ill. Match-box. No. 1,247,248; Nov. 20; v. 244; p. 692.
- Fairchild, Arthur A., Phoenix, Ariz. Filing device. No. 1,236,415; Aug. 14; v. 241; p. 316.
- Fairchild, David L., assignor to H. O. Fairchild, Elmhurst, Ill. Spring-balance scale. No. 1,229,249; June 12; v. 239; p. 344.
- Fairchild, James T. (See Arnett and Fairchild.)
- Fairchild, Helen O. (See Fairchild, David L., assignor.)
- Fairchild, Meryl R., Rochester, Ill. Gate. No. 1,237,766; Aug. 21; v. 241; p. 790.
- Fairfoull, R. W., *et al.* (See Unruh, Albert A., assignor.)
- Fairgrieve, Frederick M., Toronto, Ontario, Canada. Coupling element. No. 1,225,791; May 15; v. 238; p. 672.
- Fairhurst, Alfred W., Seattle, Wash. Folding shoe-fitting stool. No. 1,223,779; Apr. 24; v. 237; p. 1075.
- Fairhurst, John T., Brooklyn, N. Y., assignor to The Folding Partition Company. Folding partition. No. 1,224,155; May 1; v. 238; p. 13.
- Fairmont Gas Engine & Railway Motor Car Co. (See Wade, Frank E., assignor.)
- Fairmont Mining Machinery Company. (See Brasack, William, assignor.)
- Fairmont Mining Machinery Company. (See Dickerson, James H., assignor.)
- Faist, Charles, Spring Valley, N. Y. Music-leaf turner. No. 1,215,262; Feb. 6; v. 235; p. 272.
- Falck, Fritz W. (See Falck, Waldemar A. and F. W.)
- Falck, Fritz W. (See McCarty and Falck.)
- Falck, Gerhard M., Morrison, Wis. Safety-receptacle. No. 1,243,498; Oct. 16; v. 243; p. 712.
- Falck, James S., Washington, D. C. Surgical device. No. 1,216,099; Feb. 13; v. 235; p. 607.
- Falck, Waldemar A. and F. W., Los Angeles, Cal., assignors to L. G. Fixen, Chicago, Ill. Automobile-signal. No. 1,236,830; Aug. 14; v. 241; p. 453.
- Falconer, George, Fremont, Nebr., assignor to Universal Glas-Solvo Company, Chamberlain, S. D. Composition of matter. No. 1,215,358; Feb. 13; v. 235; p. 339.
- Falconer, Hope H. (See Falconer, Sydnor M., Sr., assignor.)
- Falconer, Sydnor M., Sr., assignor of one-half to H. H. Falconer, Washington, D. C. Base for base-ball grounds. No. 1,244,044; Oct. 23; v. 243; p. 915.
- Fales, Edward D., Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Company. Non-grounded repeater system. No. 1,229,596; June 12; v. 239; p. 461.
- Fales, Edward D., La Grange, assignor to Automatic Electric Company, Chicago, Ill. Two-wire to three-wire telephone system. No. 1,230,694; June 19; v. 239; p. 861.
- Fales, Edward D., La Grange, assignor to Automatic Electric Company, Chicago, Ill. Automatic trunking system. No. 1,248,834; Dec. 4; v. 245; p. 121.
- Fales, Edward D., assignor to Automatic Electric Company, Chicago, Ill. Semi-automatic telephone system. No. 1,242,164; Oct. 9; v. 243; p. 262.
- Fales, Elisha N., Buffalo, N. Y. Hand-stamp. No. 1,215,788; Feb. 13; v. 235; p. 494.
- Falkenberg, Bjarne. (See Laraway and Falkenberg.)
- Falkenstein, Fred R., Baltimore, Md. Headlight for motor-vehicles. No. 1,242,929; Oct. 16; v. 243; p. 539.
- Falkenvalde, Oscar, assignor of one-half to O. Teschner, Baltimore, Md. Water-gas burner. No. 1,248,835; Dec. 4; v. 245; p. 121.
- Fallek, Nathan, Denver, Colo. Brake system. No. 1,210,444; Jan. 2; v. 234; p. 23.
- Fallis, Phillip B. (See Bohannon, Joshua, assignor.)
- Falls, George A. (See Cain, John D., assignor.)
- Falls, Jesse G., Memphis, Tenn. Gin-saw gummer. No. 1,216,299; Feb. 20; v. 235; p. 729.
- Falls Machine Company. (See Clas, Angelo R., assignor.)
- Falls Machine Company. (See Stuedeman, Anton C., assignor.)
- Falls, William H., Bridgeport, Conn. Non-skid chain attachment for rubber-tired wheels. No. 1,235,670; Aug. 7; v. 241; p. 45.
- Fallwell, Oscar M. (See Roquemore and Fallwell.)
- Falstrem, Carl L. and J. A. Bragg, Parry Sound, Ontario, Canada. Ice-skate. No. 1,228,544; June 5; v. 239; p. 58.
- Falwell, Wray, Fitchburg, Mass. Vacuum fuel-feed system. No. 1,249,939; Dec. 11; v. 245; p. 469.
- Fandel, Peter, Gibson, La. Means for operating changeable exhibitors. No. 1,227,409; May 22; v. 238; p. 1253.
- Fangman, Andrew A., Bancroft, Iowa. Hame and tug connection. No. 1,211,122; Jan. 2; v. 234; p. 255.
- Fankhauser, Charles K., Marietta, Ohio, and A. M. McCrillis, Providence, R. I. Telegraphone. No. 1,237,496; Aug. 21; v. 241; p. 702.
- Farber, John C., Windber, Pa. Metallic tie. No. 1,249,940; Dec. 11; v. 245; p. 469.
- Farbwerke vorm. Meister Lucius & Brüning. (See Karrer, Paul, assignor.)
- Farbwerke vorm. Meister Lucius & Brüning. (See Stock and Nicodemus, assignors.)
- Fardon, Charles C. assignor of three-fourths to F. A. Sanders and one-fourth to D. L. Sanders, Tulsa, Okla. Storage-tank. No. 1,213,600; Mar. 6; v. 236; p. 245.
- Farero, Thomas J. (See Cutting, William S., assignor.)
- Fargo, Arthur H., Wilmington, Del., assignor, by mesne assignments, to C. Tremain. Connecting device. No. 1,220,326; Mar. 27; v. 236; p. 955.
- Fargo, Charles R., assignor to Wilson-Jones Loose Leaf Company, Chicago, Ill. Tray loose-leaf binder. No. 1,223,160; Apr. 17; v. 237; p. 827.
- Fargo, Charles R., assignor to Wilson-Jones Loose Leaf Company, Chicago, Ill. Tray loose-leaf binder. No. 1,247,945; Nov. 27; v. 244; p. 925.
- Fargo, Charles R., assignor to Wilson-Jones Loose Leaf Company, Chicago, Ill. Tray-binder. No. 1,250,293; Dec. 18; v. 245; p. 611.
- Faries Manufacturing Co. (See Surface, William E., assignor.)
- Faries, Robert, Decatur, Ill. Steam-boiler. No. 1,221,431; Apr. 3; v. 237; p. 151.

- Faris, Harry N., Kansas City, Kans., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. No. 1,242,338; Oct. 9; v. 243; p. 316.
- Farkasch, Oscar. (See Williams, William H., assignor.)
- Farland, Alfred A., Plainfield, N. J. Banjo-head. No. 1,251,860; Dec. 25; v. 245; p. 977.
- Farley, George W. (See Kirkpatrick and Farley.)
- Farley, John P., Kansas City, Mo. Closure for curb-boxes. No. 1,229,429; June 12; v. 239; p. 405.
- Farley, John W. (See Trumbley, George W., assignor.)
- Farley, Michael H., assignor of one-half to A. W. Kah, Seattle, Wash. Automatic circuit-closer for electric heaters. No. 1,228,195; May 29; v. 238; p. 1547.
- Farley & Selby. (See Shuttleworth, Harry, assignor.)
- Farley, Walter G., Cynwyd, assignor to Progressive Wire Goods Co., Philadelphia, Pa. Wall-bracket for telephone-stands. No. 1,231,869; July 3; v. 240; p. 112.
- Farling, Burt, assignor of one-half to A. A. Smith, Coal-ton, W. Va. Mail-carrier. No. 1,251,001; Dec. 25; v. 245; p. 872.
- Farlow, William B., Burlingame, Cal. Hose-coupling. No. 1,218,539; Mar. 6; v. 236; p. 224.
- Farman, Arthur F. (See Sampson and Farman.)
- Farmer, Albert M., Detroit, Mich. Pump. No. 1,233,858; July 17; v. 240; p. 832.
- Farmer, Cornelius D., Eugene, Oreg. Scarifier. No. 1,237,186; Aug. 14; v. 241; p. 563.
- Farmer, Cornelius D., G. N. Frazer, Sr., and G. N., Jr., and W. B. Farmer, Eugene, Oreg. Street-flushing nozzle. No. 1,239,373; Sept. 4; v. 242; p. 208.
- Farmer, Edward D., trustee. (See Baltzley, Louis E., assignor.)
- Farmer, Edward D., trustee. (See Baltzley, Edwin and L. E., assignors.)
- Farmer, Ernest H., London, England. Apparatus for the production of photographic negatives. No. 1,231,581; July 3; v. 240; p. 14.
- Farmer, Frank H., assignor to The White Motor Company, Cleveland, Ohio. Internal-combustion engine. No. 1,230,470; June 19; v. 239; p. 787.
- Farmer, Frank H., and E. W. Hulet, assignors, by mesne assignments, to The White Motor Company, Cleveland, Ohio. Friction-clutch. No. 1,239,778; Sept. 11; v. 242; p. 366.
- Farmer, Frank T., Chicago, Ill., assignor to The Whitman & Barnes Manufacturing Company, Akron, Ohio. Wheel. No. 1,239,580; Sept. 11; v. 242; p. 303.
- Farmer, Herbert J., Richmond, Ind. Lawn-mower. No. 1,216,676; Feb. 20; v. 235; p. 861.
- Farmer, Luke W., Somerville, Mass. Holder for paper finger-bowls. No. 1,214,906; Feb. 6; v. 235; p. 148.
- Farmer, Luke W., Somerville, Mass. Paper carton. No. 1,224,726; May 1; v. 238; p. 218.
- Farmer, Thomas, Jr., New York, N. Y., assignor to Consolidated Car-Heating Company. Car-door control. No. 1,216,300; Feb. 20; v. 235; p. 730.
- Farmer, Thomas, Jr., New York, assignor to Consolidated Car-Heating Company, Albany, N. Y. Governor-magnet. No. 1,217,928; Mar. 6; v. 236; p. 15.
- Farmer, Thomas, Jr., New York, assignor to Consolidated Car-Heating Company, Albany, N. Y. Door-guard. No. 1,247,653; Nov. 27; v. 244; p. 839.
- Farmer, Wash B. (See Farmer, Frazer, and Farmer.)
- Farmer, William H., assignor, by mesne assignments, of one-third to L. A. Dunton, Boothbay Harbor, Me. Electric switch. (Reissue.) No. 1,437,2; Oct. 2; v. 243; p. 209.
- Farnham, Frank G., Honesdale, Pa. Means for attaching names to umbrellas. No. 1,243,393; Oct. 16; v. 243; p. 680.
- Farnham, Frank G., Honesdale, Pa. Name-plate for umbrellas. No. 1,246,077; Nov. 13; v. 244; p. 309.
- Farnham, Sidney W., Chicago, and F. W. Olin, Alton, assignors to Western Cartridge Company, East Alton, Ill. Method of and apparatus for measuring the stringing of shot. No. 1,226,762; May 22; v. 238; p. 1037.
- Farnham, Stephen H., Brooklyn, A. W. Smith, New York, N. Y., and J. Phelps, Belleville, N. J., assignors to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,217,290; Feb. 27; v. 235; p. 1114.
- Farnham, Stephen H., Brooklyn, assignor to Remington Typewriter Company, Ilion, N. Y. Accounting-sheet. No. 1,250,443; Dec. 18; v. 245; p. 656.
- Farnham, William H. (See Comins, Vernon S., assignor.)
- Farnquist, Herbert A., Minneapolis, Minn. Collapsible box. No. 1,218,846; Mar. 13; v. 236; p. 374.
- Farnsworth, Charles H., assignor of one-half to Tosten Bros., Erieland, Cal. Sharpening attachment for mowing-machines. No. 1,227,410; May 22; v. 238; p. 1254.
- Farnsworth, Frederick C., Brooklyn, N. Y. Combined receiving-tank and pump-governor. No. 1,216,427; Feb. 20; v. 235; p. 775.
- Farnsworth, Grover, Detroit, Mich. Automobile-top attachment. No. 1,249,730; Dec. 11; v. 245; p. 407.
- Farnsworth, Hiland R., Sandusky, Ohio. Roll for paper-making machines. No. 1,239,895; Sept. 11; v. 242; p. 405.
- Farnsworth, Sidney W. (See Eby and Farnsworth.)
- Farnsworth, Sidney W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Anode structure for vapor-converters. No. 1,226,069; May 15; v. 238; p. 768.
- Farnsworth, Sidney W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Sustaining device for vapor-converters. No. 1,227,766; May 29; v. 238; p. 1404.
- Farnsworth, Sidney W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Shielding system for vapor-converters. No. 1,232,470; July 3; v. 240; p. 308.
- Farnsworth, Sidney W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Rectifier system. No. 1,236,385; Aug. 7; v. 241; p. 271.
- Farnsworth, Sidney W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Vapor-rectifier. No. 1,244,483; Oct. 30; v. 243; p. 1084.
- Farnsworth, William W., Littleton, Colo. Renovator. No. 1,247,654; Nov. 27; v. 244; p. 839.
- Farnsworth, Willis S., San Francisco, assignor to Coin Controlled Lock Co., Petaluma, Cal. Indicating-register for locks. No. 1,243,826; Oct. 23; v. 243; p. 850.
- Farquhar, David, Lincoln, Mass. Book. No. 1,243,394; Oct. 16; v. 243; p. 680.
- Farquhar, John B. (See Bovee, Ransom Y., assignor.)
- Farquharson, Charles W., assignor to Model Form Company, Chicago, Ill. Adjustable dress-form. No. 1,221,522; Apr. 3; v. 237; p. 183.
- Farr, Arthur W., Buffalo, N. Y. Clamping device. No. 1,218,752; Mar. 13; v. 236; p. 339.
- Farr, Ira E., Watertown, N. Y. Machine for molding composition plugs. No. 1,248,097; Nov. 27; v. 244; p. 966.
- Farr, Robert E., Minneapolis, Minn. Local-anesthesia machine. No. 1,211,304; Jan. 2; v. 234; p. 319.
- Farrand Company, The. (See Jones, Vern L., assignor.)
- Farrar, Charles F., Howell, Mich. Mail-box. No. 1,211,425; Jan. 9; v. 234; p. 394.
- Farrar, George E., Perth, Western Australia, Australia. Holder for incandescent electric lamps. No. 1,237,187; Aug. 14; v. 241; p. 564.
- Farrar, Walter, Paducah, Ky. Hook and eye. No. 1,248,298; Nov. 27; v. 244; p. 1024.
- Farrar, Xerxes, et al. (See Morter, Lycurgus W., assignor.)
- Farral Foundry & Machine Company. (See Bowen, David R., assignor.)
- Farrell, Archie W., Maple Park, Ill. Differential mechanism or equalizing-gearing for motor-driven vehicles. No. 1,240,551; Sept. 18; v. 242; p. 644.
- Farrell, Archie W., and H. Keller, Chicago, Ill., assignors to Pugh Stores Company. Valve mechanism for internal-combustion motors. No. 1,246,732; Nov. 13; v. 244; p. 505.
- Farrell, Arthur J., Pittsburgh, Pa. Paper-holder. No. 1,229,430; June 12; v. 239; p. 405.
- Farrell, Arthur J., Pittsburgh, Pa. Paper-holder. No. 1,229,431; June 12; v. 239; p. 405.
- Farrell, Charles T., Stoughton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Welt-wetting device for sewing-machines. No. 1,219,633; Mar. 20; v. 236; p. 674.
- Farrell, Francis J., Cincinnati, Ohio. Vehicle-fender. No. 1,217,583; Feb. 27; v. 235; p. 1219.
- Farrell, Henry C., assignor of one-half to L. J. Bennett, Buffalo, N. Y. Valve. No. 1,234,096; July 17; v. 240; p. 907.
- Farrell, Henry C., assignor of one-half to G. B. Burd, Buffalo, N. Y. Valve mechanism for ventilating water-closets. No. 1,241,614; Oct. 2; v. 243; p. 48.
- Farrell, James P., assignor of one-half to L. Levy, San Francisco, Cal. Carburetor-feed system. No. 1,245,893; Nov. 6; v. 244; p. 227.
- Farrer, Charles M., Seattle, Wash. Culinary implement. No. 1,238,656; Aug. 28; v. 241; p. 1108.
- Farrer, Charles S., Dunmore, Pa. Steam-blower. No. 1,222,274; Apr. 10; v. 237; p. 477.
- Farrer, Lionel L., Fort William, Ontario, Canada. Folding and adjustable child's seat. No. 1,239,470; Sept. 11; v. 242; p. 268.
- Farrer, William C., Sheffield, England. Chain or flexible saw. No. 1,229,597; June 12; v. 239; p. 462.
- Farrington, Harry J., assignor to Farrington Manufacturing Company, Boston, Mass. Jewelry-box. No. 1,217,291; Feb. 27; v. 235; p. 1114.
- Farrington, Isabelle M. (See Reynolds, Theodore E., assignor.)
- Farrington Manufacturing Company. (See Farrington, Harry J., assignor.)
- Farrington, Richard J. A., New York, N. Y. Cocktail-mixer. No. 1,211,426; Jan. 9; v. 234; p. 394.
- Farris, Joseph A. (See Graham and Farris.)
- Farrow, Homer J., Denver, Colo. Multiple-section fire-proof cabinet for duplicate sales-books and the like. No. 1,241,615; Oct. 2; v. 243; p. 48.
- Farrow, Willard M., Washington, D. C. Dental implement. No. 1,233,770; July 17; v. 240; p. 802.
- Farthing, George W., Dry Fork, Va. Mail-delivery apparatus. No. 1,249,055; Dec. 4; v. 245; p. 181.
- Farup, Peder, Glöshaugen, near Trondhjem, assignor to Det norske Aktieselskab for elektrokemisk Industri, Christiania, Norway. Producing sulfuric acid. No. 1,219,277; Mar. 13; v. 236; p. 519.
- Farwell, John C. (See Hiscock, Emory C., assignor.)
- Farwell, Charles. (See Queenan and Farwell.)
- Farwell, John C. (See Hiscock, Emory C., assignor.)

Alphabetical list of patentees—Continued.

- Fassett, Francis K., Dayton, Ohio. Door-hanger. No. 1,234,889; July 31; v. 240; p. 1229.
- Fasnacht, Howard H., assignor of one-half to A. L. Day, Chicago, Ill. Internal-combustion engine. No. 1,215,922; Feb. 13; v. 235; p. 542.
- Fast, Gustave, Baltimore, Md. Gearing. No. 1,217,427; Feb. 27; v. 235; p. 1162.
- Fastnut, Limited. (See Harris, Richard H., assignor.)
- Fäszler, Peter, Berlin-Friedenau, Germany. Electric welding-machine. No. 1,213,174; Jan. 23; v. 234; p. 1066.
- Fath, George H. (See Peters, Fath, and Miller.)
- Fatica, Angelo G., Cleveland, Ohio. Food compound. No. 1,236,831; Aug. 14; v. 241; p. 453.
- Fator, Fred. (See Rember, George A., assignor.)
- Faucher, Andrew J., Wichita, Kans. Pumping mechanism for vacuum-cleaners. No. 1,212,923; Jan. 16; v. 234; p. 945.
- Faugno, Anthony, Lexington, Mass. Necktie-holder. No. 1,213,086; Jan. 16; v. 234; p. 1001.
- Faulds, John, Oak Park, assignor of one-half to J. I. Marshall, Chicago, Ill. Combined portable oven and proof-box. No. 1,238,995; Sept. 4; v. 242; p. 89.
- Faulkner, Albert S., Ogden, Utah. Automatic engine-starter. No. 1,221,301; Apr. 3; v. 237; p. 105.
- Faulkinberry, Joseph G. (See Myers and Faulkinberry.)
- Faultless Rubber Company, The. (See Miller, Thomas W., assignor.)
- Faunce, Vernon C., Bondsville, Mass. Lap-rod retainer for pickers, carding-engines, &c. No. 1,216,790; Feb. 20; v. 235; p. 901.
- Faure, Jean M. A., Limoges, France. Apparatus for manufacturing plates, &c. No. 1,247,384; Nov. 20; v. 244; p. 729.
- Fausek, Arthur J. and I. F., St. Louis, Mo. Reducing-valve. No. 1,214,445; Jan. 30; v. 234; p. 1533.
- Fausek, Arthur J. and I. F., St. Louis, Mo. Torch. No. 1,246,573; Nov. 13; v. 244; p. 460.
- Fausek, Irving F. (See Fausek, Arthur J. and I. F.)
- Faust, Casper, Oshkosh, Wis. Bolster-stake holder. No. 1,217,584; Feb. 27; v. 235; p. 1220.
- Faust, Henry, Jr., St. Louis, Mo. Attachment for sound-boxes. No. 1,248,098; Nov. 27; v. 244; p. 966.
- Faust, Henry W., Grants Pass, Oreg. Concentrating-table. No. 1,210,778; Jan. 2; v. 234; p. 137.
- Faust, John F., et al. (See Gustafson, Frank O. and E. C., assignors.)
- Faut, Eugene A., Joliet, Ill. Automobile tractor attachment. No. 1,222,750; Apr. 17; v. 237; p. 686.
- Faux, William J. (See Appleyard, Arthur, assignor.)
- Faw, Julian H., New York, N. Y. Mirrorscope for automobiles or other vehicles. No. 1,230,144; June 19; v. 239; p. 678.
- Fawell, Joseph E., assignor to Mackintosh-Hemphill & upon composite substances. No. 1,210,779; Jan. 2; v. 234; p. 137.
- Fay, Alpheus, Louisville, Ky. Apparatus for operating upon composite substances. No. 1,210,780; Jan. 2; v. 234; p. 134.
- Fay, Alpheus, Louisville, Ky. Apparatus for operating upon composite substances. No. 1,210,781; Jan. 2; v. 234; p. 138.
- Fay, Alpheus, Louisville, Ky. Producing butter. No. 1,210,782; Jan. 2; v. 234; p. 139.
- Fay, Alpheus, Louisville, Ky. Apparatus for operating upon composite substances. No. 1,210,783; Jan. 2; v. 234; p. 139.
- Fay, Alpheus, Louisville, Ky. Apparatus for operating Company, Pittsburgh, Pa. Rolling-mill. No. 1,233,209; July 10; v. 240; p. 585.
- Fay, Augustine P., Roxbury, Mass. Bolt-replacing device. No. 1,250,571; Dec. 18; v. 245; p. 695.
- Fay, Edward J., Los Angeles, Cal. Money-changer. No. 1,219,092; Mar. 13; v. 236; p. 456.
- Fay, John L., assignor of one-third to A. C. Einstein and one-third to H. W. Eales, St. Louis, Mo. Conduit. No. 1,235,671; Aug. 7; v. 241; p. 45.
- Fay, Louis J., Watts, Cal. Safety-razor. No. 1,232,519; July 10; v. 240; p. 360.
- Fay, Patrick H., assignor of one-tenth to M. E. Stanton, Janesville, Wis. Toy. No. 1,248,639; Dec. 4; v. 245; p. 63.
- Fay, Thomas J., Brooklyn, N. Y., assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Apparatus for heat treatment of steel. No. 1,249,056; Dec. 4; v. 245; p. 182.
- Fay, William, St. Louis, Mo. Making mineral wool. No. 1,242,537; Oct. 9; v. 243; p. 379.
- Faymonville, Bernard, Jr., assignor of twenty-four one-hundredths to F. G. Lee and twenty-five one-hundredths to T. B. Fordham, Bridgeport, Conn. Railway-switch. No. 1,242,671; Oct. 9; v. 243; p. 423.
- Fazzini, Sante, New York, N. Y. Paper-hanger's kit. No. 1,223,161; Apr. 17; v. 237; p. 827.
- Feagin, Luther W., Henderson, Tex. Pump-operating mechanism. No. 1,250,825; Dec. 18; v. 245; p. 770.
- Fear, Thomas G., Bayview, Ala. Mining-machine cable-connector. No. 1,210,445; Jan. 2; v. 234; p. 24.
- Fearon, Thomas E., Philadelphia, Pa., assignor to The Miller, Du Brul and Peters Manufacturing Co., Cincinnati, Ohio. Holder for cements in packages. No. 1,243,827; Oct. 23; v. 243; p. 850.
- Feary, Neville A. T. N., Peterborough, assignor to Frederick Sage & Company, Limited, London, England. Spring fastening device. No. 1,227,411; May 22; v. 238; p. 1254.
- Febre, Leo, Norfolk, Va. Loader. No. 1,247,805; Nov. 27; v. 244; p. 856.
- Fecher, Frederick F. (See Newton, Danheiser, and Fecher.)
- Fecher, Frederick F., Brooklyn, N. Y., assignor to Beck Duplicator Company. Duplicating-machine. No. 1,222,275; Apr. 10; v. 237; p. 477.
- Fechner, Albert H., Goliad, Tex. Hat-box. No. 1,236,697; Aug. 14; v. 241; p. 409.
- Fechtenburg, Jürgen F. H., Philadelphia, Pa. Speed-regulating device for talking-machines. No. 1,216,222; Feb. 13; v. 235; p. 650.
- Fedczyszyn, Peter W., Medora, Manitoba, Canada. Shoe-fastening device. No. 1,223,574; Apr. 24; v. 237; p. 1001.
- Feddern, Carl, assignor to Globe Ticket Company, Philadelphia, Pa. Check-notching device. No. 1,229,176; June 5; v. 239; p. 270.
- Feddern, Meno, Middle Village, N. Y. Paper-holder. No. 1,240,691; Sept. 18; v. 242; p. 687.
- Fedders, John M., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Radiator for automobiles. No. 1,217,732; Feb. 27; v. 235; p. 1270.
- Fedders, John M., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Metal-bending machine. No. 1,226,490; May 15; v. 238; p. 909.
- Fedders Manufacturing Company. (See Fedders, John M., assignor.)
- Fedeler, John H., New York, N. Y. Evaporating apparatus. No. 1,212,469; Jan. 16; v. 234; p. 786.
- Feder, Max. (See Isobabella and Lombardi, assignors.)
- Federal-Huber Company. (See Johnson, John H., assignor.)
- Federal Manufacturing Company. (See Coughlin, Joseph D., assignor.)
- Federal Rubber Company, The. (See Pratt, Benjamin H., assignor.)
- Federal Sign System (Electric). (See Keil, Gustav B., assignor.)
- Federal Signal Company. (See Cade, John T., assignor.)
- Federal Signal Company. (See Day, Leonard, assignor.)
- Federal Steel Fixture Company. (See Piggot, Graham H., assignor.)
- Federal Telegraph Company. (See De Forest, Lee, assignor.)
- Federal Telegraph Company. (See Pedersen, Peder O., assignor.)
- Federal Telegraph Company. (See Pedersen and Poulsen, assignors.)
- Federal Telegraph Company. (See Watkins, James O., assignor.)
- Federman, Marie S., New York, N. Y. Snap-fastener. No. 1,217,164; Feb. 27; v. 235; p. 1072.
- Fedorowicz, John B., Jersey City, N. J. Awning. No. 1,248,299; Nov. 27; v. 244; p. 1025.
- Fee, Asa. (See Le Vene and Fee.)
- Fee, Byrd R., et al. (See Collins, Oliver P., assignor.)
- Feeny, William S. (See Goodall and Feeny.)
- Fefell, Henry H., Cincinnati, assignor of one-half to B. T. String, Norwood, Ohio. Sewing-machine. No. 1,217,929; Mar. 6; v. 236; p. 16.
- Fefell, Henry H., Dayton, Ohio. Combined chain and lock stitch. No. 1,227,045; May 22; v. 238; p. 1134.
- Fefell, Henry H. and J. F. Ohmer, assignors to Ohmer Fare Register Company, Dayton, Ohio. Coin counting and registering device. No. 1,210,622; Jan. 2; v. 234; p. 85.
- Feffele, Alfred H., assignor of two-thirds to W. La Hodny, Buffalo, N. Y. Pump or compressor for motor-vehicles and the like. No. 1,223,682; Apr. 24; v. 237; p. 1041.
- Fegley, Victor, Philadelphia, Pa., assignor to Fabec Manufacturing Company, Camden, N. J. Tinking mechanism for printing-presses. No. 1,246,574; Nov. 13; v. 244; p. 460.
- Feher, Michael, Alliance, Ohio. Ear-protecting device. No. 1,225,422; May 8; v. 238; p. 506.
- Fehrenkamp, John E. and L. A. Smallfield, Kansas City, Mo.; said Smallfield assignor to said Fehrenkamp. Garbage-receptacle. No. 1,211,305; Jan. 2; v. 234; p. 319.
- Fehrenschild, Henry H., Westwood, N. J. Thermostatic device. No. 1,218,384; Mar. 6; v. 236; p. 173.
- Fehringer, Max, New York, N. Y. Paper, fabric, or the like not sensitive to acids or alkalis. No. 1,233,334; July 17; v. 240; p. 659.
- Feieriscl, Frank A., Chicago, Ill., assignor to Shortwriter Company, Wilmington, Del. Writing-machine. No. 1,242,167; Oct. 9; v. 243; p. 263.
- Feigelson, Alexander, Beaumont, Tex. Trailing vehicle for tractors and the like. No. 1,248,300; Nov. 27; v. 244; p. 1025.
- Feigen, John, Indianapolis, Ind. Building-board. No. 1,227,767; May 29; v. 238; p. 1405.
- Felke, Karl, Indianapolis, Ind. Wind-shield. No. 1,215,133; Feb. 6; v. 235; p. 226.
- Felcke, Karl, Indianapolis, Ind. Spare-tire carrier. No. 1,234,646; July 24; v. 240; p. 1121.
- Feld, Margaret, Memphis, Tenn. Camera attachment. No. 1,249,941; Dec. 11; v. 245; p. 470.

- Feilhauer, Edmund, Cincinnati, Ohio. Lathe. No. 1,250,572; Dec. 18; v. 245; p. 695.
- Feilhauer, Edmund, Cincinnati, Ohio. Lathe clutch mechanism. No. 1,250,826; Dec. 18; v. 245; p. 771.
- Feilmann, Martin E., D. Bagley, and A. H. Smith, London, England. Apparatus for purifying blast-furnace gases. No. 1,216,677; Feb. 20; v. 235; p. 861.
- Feinberg, Arthur, New York, N. Y. Tooth-brush holder and sterilizer. No. 1,212,335; Jan. 16; v. 234; p. 740.
- Feiner, Bernard S., Springfield, Mass. Oil-burner. No. 1,234,890; July 31; v. 240; p. 1229.
- Feiner, Eugene J. (See Lindemann, Max, assignor.)
- Feitshans, Frederick R., Los Angeles, Cal. Desk. No. 1,220,405; Mar. 27; v. 236; p. 983.
- Feinstein, Jennie L. P., Grand Forks, N. D. Child's undergarment. No. 1,225,945; May 15; v. 238; p. 724.
- Feix, Otto F., assignor to Gloversville Abrading Company, Gloversville, N. Y. Leather-dressing machine. No. 1,241,363; Sept. 25; v. 242; p. 932.
- Fekete, Jozsef, Linden, Mich. Artificial hand. No. 1,229,053; June 5; v. 239; p. 227.
- Fekete, Stephen I., assignor to Hudson Motor Car Company, Detroit, Mich. Engine-valve. No. 1,210,621; Jan. 2; v. 234; p. 84.
- Fekete, Stephen I., assignor to Hudson Motor Car Company, Detroit, Mich. Balanced crank-shaft. (Reissue.) No. 14,292; Apr. 24; v. 237; p. 1197.
- Fekete, Stephen I., assignor to Kent Motors Company, Detroit, Mich. Temperature-control apparatus for internal-combustion engines. No. 1,228,765; June 5; v. 239; p. 133.
- Fekete, Stephen I., assignor to Kent Motors Company, Detroit, Mich. Radiator-shutter. No. 1,249,731; Dec. 11; v. 245; p. 407.
- Felbel, Jacob, New York, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,248,836; Dec. 4; v. 245; p. 122.
- Felcyn, Thomas, Ivanhoe, Minn. Check-wire anchor. No. 1,247,249; Nov. 20; v. 244; p. 692.
- Feld, Louis, Philadelphia, Pa. Roller-screen. No. 1,250,827; Dec. 18; v. 245; p. 771.
- Feld, Samuel, New York, N. Y. Marker for cigars and the like. No. 1,230,388; June 19; v. 239; p. 759.
- Feldhaus, John M. (See Sill and Feldhaus.)
- Feldkamp, Frederick A., Newark, H. Payson, Short Hills, and W. E. Whipple, Newark, N. J., assignors to Electrolytic Products Company. Molding-machine. No. 1,220,211; Mar. 27; v. 236; p. 913.
- Feldkamp, Frederick A., Newark, N. J., J. P. Payor, New York, N. Y., and H. Payson, Short Hills, N. J., assignors to The Six-In-One Fuse Company, New York, N. Y. Multiple-fuse plug. No. 1,227,256; May 22; v. 238; p. 1206.
- Feldt, Alfred H., New York, N. Y. Clothes-line. No. 1,246,406; Nov. 13; v. 244; p. 408.
- Feleki, Alexander, New York, N. Y. Flushing-valve. No. 1,214,664; Feb. 6; v. 235; p. 64.
- Felenchak, Thomas, Ansonia, Conn. Mailing-envelope. No. 1,245,447; Nov. 6; v. 244; p. 91.
- Fellicetti, John B., Philadelphia, Pa. Manually-propelled vehicle. No. 1,222,613; Apr. 17; v. 237; p. 638.
- Felkel, William D., Elloree, S. C. Plow attachment. No. 1,219,278; Mar. 13; v. 236; p. 519.
- Felker, Lewis H., Huron, S. D. Fence-post. No. 1,221,983; Apr. 10; v. 237; p. 375.
- Fell, Ellwood R., Philadelphia, Pa. Lock for bicycles. No. 1,218,540; Mar. 6; v. 236; p. 224.
- Fell, John M., Hackensack, N. J., assignor to American Telephone and Telegraph Company. Telegraph system. No. 1,238,008; Aug. 21; v. 241; p. 865.
- Fell, John M., Hackensack, N. J., assignor to American Telephone and Telegraph Company. Telegraph-repeater. No. 1,238,009; Aug. 21; v. 241; p. 866.
- Fell, John M., Hackensack, N. J., assignor to American Telephone and Telegraph Company. Telegraphic receiving system. No. 1,245,894; Nov. 6; v. 244; p. 228.
- Fell, William S., New Orleans, La. Window-latch. No. 1,227,768; May 29; v. 238; p. 1405.
- Felleman, Irving J., Gridley, Cal. Milk-powdering machine. No. 1,239,471; Sept. 11; v. 242; p. 268.
- Fellencer, Allen C. (See Kuhn, James F., assignor.)
- Feller, Michel, New York, N. Y. Mine-catcher and ship-protector. No. 1,219,929; Mar. 20; v. 236; p. 777.
- Feller, Willy, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Ammunition-chest. No. 1,212,201; Jan. 16; v. 234; p. 690.
- Fellgren, Charles W., Chicago, Ill. Building construction. No. 1,218,385; Mar. 6; v. 236; p. 173.
- Fellman, Edward J., Milwaukee, Wis. Swinging-sash hanger. No. 1,212,336; Jan. 16; v. 234; p. 740.
- Fellman, Edward J., Milwaukee, Wis. Half-screen hanger. No. 1,224,912; May 8; v. 238; p. 333.
- Fellmeth, Jacob W., assignor to The Marion Steam Shovel Co., Marion, Ohio. Operating mechanism for brakes, clutches, and the like. No. 1,224,621; May 1; v. 238; p. 180.
- Fellmeth, Jacob W., assignor to The Marion Steam Shovel Co., Marion, Ohio. Actuating device for clutches. No. 1,232,520; July 10; v. 240; p. 361.
- Fellows, Daniel W., Los Angeles, Cal. Fruit-picker. No. 1,240,128; Sept. 11; v. 242; p. 473.
- Fellows, Edwin R., assignor to The Fellows Gear Shaper Company, Springfield, Vt. Means for generating the teeth of irregular gears. No. 1,221,432; Apr. 3; v. 237; p. 151.
- Fellows, Frank P., Tacoma, Wash. Automatic safety stopping device for machines. No. 1,224,622; May 1; v. 238; p. 181.
- Fellows Gear Shaper Company, The. (See Fellows, Edwin R., assignor.)
- Fellows, George A., et al. (See Fellows, Melvin, assignor.)
- Fellows, Hugh W., Colfax, Cal. Combination jig and sluice box. No. 1,243,395; Oct. 16; v. 243; p. 680.
- Fellows, Mel, Chicago, Ill. Adjustable gage. No. 1,213,134; Jan. 16; v. 234; p. 1018.
- Fellows, Melchizedek, Chicago, Ill. Carrier for pneumatic-tube apparatus. No. 1,240,327; Sept. 18; v. 242; p. 576.
- Fellows, Melvin, assignor of one-fourth to G. A. Fellows, one-fourth to J. H. Winter, and one-fourth to J. M. Benedict, Cheney, Wash. Fire-extinguisher. No. 1,217,428; Feb. 27; v. 235; p. 1163.
- Fellroth, E. O. (See Hjeltn, Alfred, assignor.)
- Fells, Orley E., and E. M. Nott, Cody, Wyo. Lamp-support for automobiles. No. 1,233,655; July 17; v. 240; p. 767.
- Fels and Company. (See Drolet, Charles, Sr., assignor.)
- Felsenthal, Gabriel, et al. (See Spiegel, Alexander S., assignor.)
- Felsenthal, Gabriel, Chicago, Ill. Savings-bank. No. 1,248,640; Dec. 4; v. 245; p. 63.
- Felsenthal & Sons, G. (See Scully, Walter P., assignor.)
- Felstead, William, Victoria, British Columbia, Canada. Shoe-heel. No. 1,250,828; Dec. 18; v. 245; p. 771.
- Felt, Willard O., Brooklyn, N. Y. Purifying gas. No. 1,237,767; Aug. 21; v. 241; p. 790.
- Felt, Willard O., Bradford, Pa., assignor to Petroleum Products Company. Separating hydrocarbons from natural or other gas. No. 1,213,795; Jan. 23; v. 234; p. 1280.
- Felt, Willard O., Bradford, Pa., assignor to Petroleum Products Company. Compressing, purifying, drying, and cooling gases. No. 1,213,796; Jan. 23; v. 234; p. 1280.
- Felten, Abram V., Danbury, Conn. Vehicle-signal. No. 1,229,922; June 12; v. 239; p. 570.
- Feltes, Peter, Cleveland, Ohio. Artificial limb. No. 1,224,368; May 1; v. 238; p. 91.
- Feltis, Earl W. (See Nichols and Feltis.)
- Felton, Augustus C., Jr., Macon, Ga. Crematory. No. 1,213,766; Jan. 23; v. 234; p. 1269.
- Felton, Augustus C., Jr., assignor to Nye Odorless Crematory Company, Macon, Ga. Crematory. No. 1,235,452; July 31; v. 240; p. 1399.
- Felton, George L. (See Cook, Claiborn B., assignor.)
- Felts, Thomas R., Berlin, Ala. Resilient tire-casing expander. No. 1,214,768; Feb. 6; v. 235; p. 99.
- Feltz, Charles F., assignor of one-fourth to W. E. Anderson, one-fourth to W. H. Langdale, and one-fourth to S. L. Langdale, St. Louis, Mo. Motor-driven vehicle. No. 1,228,009; May 29; v. 238; p. 1487.
- Femons, Leon L., Fresno, Cal. Turbine explosive-engine. No. 1,217,733; Feb. 27; v. 235; p. 1270.
- Fenchel, Rihhold F., Beaver Falls, Pa. Ice-cream scoop. No. 1,236,279; Aug. 7; v. 241; p. 241.
- Fend, Roland S., assignor to Woods Motor Vehicle Company, Chicago, Ill. Automobile. No. 1,244,045; Oct. 23; v. 243; p. 915.
- Fendrich, Adam E., Weehawken, N. J. Tooth-brush. No. 1,227,412; May 22; v. 238; p. 1254.
- Fengler, Hermann V., West Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,219,540; Mar. 20; v. 236; p. 641.
- Fengler, Hermann V., West Philadelphia, Pa., assignor to Underwood Typewriter Co., New York, N. Y. Type-writing machine. No. 1,232,521; July 10; v. 240; p. 361.
- Fengler, Hermann V., Philadelphia, Pa., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,241,101; Sept. 25; v. 242; p. 848.
- Fengler, Hermann V., West Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,244,969; Oct. 30; v. 243; p. 1232.
- Fenigstein, Jacob, Finsbury, London, England. Case for currency and other notes. No. 1,223,946; Apr. 24; v. 237; p. 1132.
- Fenlason, Orin C., Raymond, Wash. Egg-carton. No. 1,235,886; Aug. 7; v. 241; p. 117.
- Fenn, George J., London, England, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,231,582; July 3; v. 240; p. 14.
- Fenn, William B., New York, N. Y. Removing the skins from fruits and vegetables. No. 1,243,724; Oct. 23; v. 243; p. 815.
- Fennell, Walter W. (See Burch, Allen, assignor.)
- Fenoform Corporation. (See Wichmann, Ferdinand G., assignor.)
- Fenstermaker, Emanuel L., assignor of one-third to F. H. Burkhardt, Lancaster, Pa. Screw-cap wrench. No. 1,225,231; May 8; v. 238; p. 439.
- Fenton, John A., Oakland, Cal. Folding wicker chair. No. 1,240,692; Sept. 18; v. 242; p. 688.
- Fenwick, Thomas, Mobile, Ala. Ship-hull construction. No. 1,240,129; Sept. 11; v. 242; p. 473.
- Ferdinand, Anthony B., Wauwatosa, Wis. Draft-regulator. No. 1,218,990; Mar. 13; v. 236; p. 423.

Alphabetical list of patentees—Continued.

- Ferdon, Guy W., Cresskill, N. J. Collapsible stove. No. 1,229,432; June 12; v. 239; p. 405.
- Ferdon, Guy W., Cresskill, N. J. Heat attachment for gas-jets. No. 1,231,583; July 3; v. 240; p. 14.
- Ferdon, Guy W., Cresskill, N. J. Collapsible stove. No. 1,247,806; Nov. 27; v. 244; p. 886.
- Feret, Mikolaj. (See Strug, Frank, assignor.)
- Ferger, Charles, Indianapolis, Ind. Snow-remover. No. 1,241,102; Sept. 25; v. 242; p. 848.
- Ferguson, Albert M., Rochester, assignor to W. Keyel, Penfield, N. Y. Resilient tire. No. 1,232,906; July 10; v. 240; p. 487.
- Ferguson, Alexander, *et al.* (See Ferguson, Baltuce W., assignor.)
- Ferguson, Archibald B., assignor to Arrow Manufacturing Company, Spokane, Wash. Object-throwing machine. No. 1,237,625; Aug. 21; v. 241; p. 743.
- Ferguson, Baltuce W., assignor of one-fourth to W. B. Rodman, one-fourth to S. B. Ferguson, Jersey City, N. J., and one-fourth to A. Ferguson, Syracuse, N. Y. Soap-holder support. No. 1,227,046; May 22; v. 238; p. 1135.
- Ferguson, Cara S., Columbus, Ohio, assignor of one-half to I. L. Broadwin, New York, N. Y. Hot-water bandage. No. 1,238,901; Sept. 4; v. 242; p. 59.
- Ferguson, Carl S., Jonesburg, Mo. Heater for oil-lamps. No. 1,224,623; May 1; v. 238; p. 181.
- Ferguson, Charles, Milton, Ind. Road-drag. No. 1,225,792; May 15; v. 238; p. 673.
- Ferguson, Charles B., and G. H. Pleoger, Antigo, Wis. Gas-engine. No. 1,237,768; Aug. 21; v. 241; p. 791.
- Ferguson, Charles F., *et al.*, trustees. (See Clark, George C., assignor.)
- Ferguson, Charles M., Victorville, Cal. Shade-roller. No. 1,222,276; Apr. 10; v. 237; p. 478.
- Ferguson, Charles S., Brooklyn, N. Y. Car-coupling device. No. 1,233,999; July 17; v. 240; p. 877.
- Ferguson, Charles W., Bower, W. Va. Attachment for telephones. No. 1,222,376; Apr. 10; v. 237; p. 513.
- Ferguson, Clarence L., Georgetown, assignor of one-half to W. P. R. Estes, Jr., Haverhill, Mass. Fly-swatter. No. 1,214,446; Jan. 30; v. 234; p. 1533.
- Ferguson, Donald M., assignor to General Motors Company, Detroit, Mich. Automobile-gearing. No. 1,232,780; July 10; v. 240; p. 446.
- Ferguson, Donald M., Detroit, Mich., assignor to General Motors Company, Detroit, Mich. Automobile. No. 1,232,781; July 10; v. 240; p. 446.
- Ferguson, Edward E., Portsmouth, assignor of one-half to C. Van Fleming, Norfolk, Va. Combined fire-alarm box and hydrant. No. 1,215,263; Feb. 6; v. 235; p. 272.
- Ferguson, Fergus R., Cleveland, Ohio. Transmission-lock. No. 1,239,374; Sept. 4; v. 242; p. 209.
- Ferguson, George E., New York, N. Y., assignor to Pyrene Manufacturing Company. Solution having a low freezing-point. No. 1,243,149; Oct. 16; v. 243; p. 608.
- Ferguson, Gradele, Waco, Tex. Paper doll. No. 1,231,145; June 26; v. 239; p. 1053.
- Ferguson, Harold B. and I. G., Newburgh, N. Y. Tire-patch. No. 1,211,427; Jan. 9; v. 234; p. 394.
- Ferguson, Irvin G. (See Ferguson, Harold B. and I. G.)
- Ferguson, James A., Plummer, Idaho. Saw-set. No. 1,221,040; Apr. 3; v. 237; p. 13.
- Ferguson, James A., Plummer, Idaho. Keyless padlock. No. 1,234,454; July 24; v. 240; p. 1061.
- Ferguson, John A., Denver, Colo. Concrete-block-making machine. No. 1,214,530; Feb. 6; v. 234; p. 17.
- Ferguson, John A., Denver, Colo. Concrete-block-making machine. No. 1,237,887; Aug. 21; v. 241; p. 826.
- Ferguson, John A., Denver, Colo. Mold for tiles. No. 1,244,484; Oct. 30; v. 243; p. 1084.
- Ferguson, John A., Denver, Colo. Mold for tiles. No. 1,244,845; Oct. 30; v. 243; p. 1194.
- Ferguson, John A., Denver, Colo. Tile and tiling composed thereof. No. 1,249,362; Dec. 11; v. 245; p. 301.
- Ferguson, John A., Denver, Colo. Wall construction. No. 1,250,294; Dec. 18; v. 245; p. 611.
- Ferguson, John A., assignor to The Ferguson Synstone Co., Denver, Colo. Fireproof wall construction. No. 1,227,599; May 29; v. 238; p. 1346.
- Ferguson, John A., assignor to The Ferguson-Synstone Co., Denver, Colo. Wall construction. No. 1,248,837; Dec. 4; v. 245; p. 122.
- Ferguson, John L., Akron, Ohio, assignor to Stokes & Smith Company, Summerdale, Pa. Sealed wrapped package. No. 1,249,607; Dec. 11; v. 245; p. 370.
- Ferguson, John R., Abbott, Tex. Hobbler. No. 1,244,721; Oct. 30; v. 243; p. 1158.
- Ferguson, Joseph B., New York, N. Y. Vehicle. No. 1,227,257; May 22; v. 238; p. 1207.
- Ferguson, Joseph B., New York, N. Y. Lubricant-circulation system. No. 1,241,103; Sept. 25; v. 242; p. 849.
- Ferguson, Junius H., assignor to All-See Traffic Signal Co., Inc., Rochester, N. Y. Signaling device for vehicles. No. 1,248,641; Dec. 4; v. 245; p. 63.
- Ferguson, Lee C., assignor to Positive-Rail Anchor Company, Marion, Ind. Rail-anchor. No. 1,234,647; July 24; v. 240; p. 1121.
- Ferguson, Leonard L., assignor, by mesne assignments, to Duntley Pneumatic Sweeper Company, Chicago, Ill. Cleaning device. No. 1,239,581; Sept. 11; v. 242; p. 303.
- Ferguson, Lewis B., Philadelphia, Pa. Joint-filler for concrete paving. No. 1,223,045; Apr. 17; v. 237; p. 787.
- Ferguson, Louis B., assignor of one-half to American Sales Co., Monroe, La. Baggage-truck. No. 1,244,970; Oct. 30; v. 243; p. 1232.
- Ferguson, Peter L., Ogden, Utah. Condiment-holder. No. 1,216,252; Feb. 13; v. 235; p. 661.
- Ferguson, Raley C., Glendive, Mont. Dirigible headlight for automobiles. No. 1,229,923; June 12; v. 239; p. 570.
- Ferguson, Richard F. (See Amsden, Thomas G., assignor.)
- Ferguson, Robert B., assignor to Universal Tool Co., Los Angeles, Cal. Wrench. No. 1,246,000; Nov. 6; v. 244; p. 255.
- Ferguson, Seymour, Ocotlan, Mexico. Rock-drill. No. 1,214,665; Feb. 6; v. 235; p. 65.
- Ferguson, Sheldon B., *et al.* (See Ferguson, Baltuce W., assignor.)
- Ferguson Synstone Co., The. (See Ferguson, John A., assignor.)
- Ferguson, Thomas, Lowell, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Feeler-motion for looms. No. 1,225,120; May 8; v. 238; p. 402.
- Ferguson, Thomas B., Hanford, Cal. Scraper. No. 1,213,767; Jan. 23; v. 234; p. 1270.
- Ferguson, Thomas H., Oak Park, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. No. 1,235,302; July 31; v. 240; p. 1356.
- Ferguson, Thomas H., Portland, Oreg. Fluid-fuel-regulating system. No. 1,243,396; Oct. 16; v. 243; p. 681.
- Ferguson, Walter, Jr. (See Apostoloff, Serge, assignor.)
- Ferguson, William, Philadelphia, Pa., assignor to Pioneer Suspender Company. Garter attachment. No. 1,223,683; Apr. 24; v. 237; p. 1041.
- Ferguson, William C., St. Louis, Mo. Septic tank. No. 1,224,913; May 8; v. 238; p. 333.
- Ferguson, William F., Rome, N. Y. Fastener for breast-yokes and the like. No. 1,218,069; Mar. 6; v. 236; p. 63.
- Ferguson, Alan R., Chicago, Ill. Means employed in mechanical indexing. No. 1,234,320; July 24; v. 240; p. 1016.
- Ferla, John, Poughkeepsie, N. Y. Apparatus for manufacturing composition board. No. 1,219,448; Mar. 20; v. 236; p. 609.
- Fern, Oscar, assignor of one-third to B. F. Poor and one-third to G. F. Poor, Newburyport, Mass. Sole-gouging device. No. 1,247,519; Nov. 20; v. 244; p. 768.
- Fernandez, Alphonse, Washington, D. C. Submarine vessel. No. 1,232,667; July 10; v. 240; p. 408.
- Fernandez, Alphonse, Washington, D. C. Observation-buoy for submarines. No. 1,232,668; July 10; v. 240; p. 408.
- Fernandez, Alphonse, Washington, D. C. Smoke-handling apparatus. No. 1,232,669; July 10; v. 240; p. 409.
- Fernandez, Alphonse, Washington, D. C. Mine sowing, releasing, and moving device. No. 1,232,670; July 10; v. 240; p. 409.
- Fernandez, Alphonse, Washington, D. C. Illuminated torpedo. No. 1,232,671; July 10; v. 240; p. 409.
- Fernandez, Alphonse, Washington, D. C. Fuel-supply for submerged submarines. No. 1,232,672; July 10; v. 240; p. 409.
- Fernandez, Alphonse, Washington, D. C. Submarine vessel. No. 1,235,780; Aug. 7; v. 241; p. 82.
- Fernandez, Alphonse, Washington, D. C. Detachable armored section for submarines. No. 1,235,781; Aug. 7; v. 241; p. 82.
- Fernandez, Alphonse, Washington, D. C. Torpedo launching apparatus. No. 1,235,782; Aug. 7; v. 241; p. 83.
- Fernandez, Alphonse, Washington, D. C. Mine-destroying device. No. 1,235,783; Aug. 7; v. 241; p. 83.
- Fernandez, Alphonse, Washington, D. C. Airship. No. 1,237,888; Aug. 21; v. 241; p. 827.
- Fernandez, Alphonse, Washington, D. C. Airship-engine release. No. 1,237,889; Aug. 21; v. 241; p. 827.
- Fernandez, Alphonse, Washington, D. C. Bomb-dropping mechanism. No. 1,237,890; Aug. 21; v. 241; p. 827.
- Fernandez, Alphonse, Washington, D. C. Fuel-tank. No. 1,237,891; Aug. 21; v. 241; p. 828.
- Fernandez, Charles, Seattle, Wash. Door-check. No. 1,249,363; Dec. 11; v. 245; p. 301.
- Fernandez, Charles T., Roxbury, Mass. Combined cane and flag-stick. No. 1,219,386; Mar. 13; v. 236; p. 558.
- Ferney, Daniel F., assignor to Grand Rapids School Equipment Co., Grand Rapids, Mich. Miter-clamp. No. 1,226,763; May 22; v. 238; p. 1037.
- Ferney, Daniel F., Grand Rapids, Mich. Glue or adhesive. No. 1,235,784; Aug. 7; v. 241; p. 83.
- Ferneyhough, Martin P., Stoke-upon-Trent, England. Charging and drawing of potters' ovens. No. 1,234,648; July 24; v. 240; p. 1121.
- Ferngren, Enoch, Kansas City, Mo. Machine for pressing glassware. No. 1,213,853; Jan. 30; v. 234; p. 1331.
- Fernholz, Lawrence, Arcadia, Wis. Emergency windlass for automobiles. No. 1,225,946; May 15; v. 238; p. 725.
- Feroci, Cesare, Rome, Italy. Automatic railway-car and compressed-air and steam pipe coupling device. No. 1,217,734; Feb. 27; v. 235; p. 1271.
- Ferodowill, Joseph H., St. Paul, Minn. Skate-holder. No. 1,213,609; Jan. 23; v. 234; p. 1218.
- Feron, Léon, Brussels, Belgium. Skittle-game apparatus. No. 1,224,727; May 1; v. 238; p. 218.

- Ferrabee, Ernest A., assignor to The Egry Register Company, Dayton, Ohio. Autographic register. No. 1,250,573; Dec. 18; v. 245; p. 696.
- Ferrall, Garrett H., Spokane, Wash. Chemical fire-extinguisher. No. 1,232,907; July 10; v. 240; p. 488.
- Ferrari, Erminio, Venice, Italy. Compound apparatus for casting metals in vacuum. No. 1,218,991; Mar. 13; v. 236; p. 423.
- Ferrell, Albert T., Saginaw, Mich. Roll adjustment for bean-picking machines. No. 1,240,693; Sept. 18; v. 242; p. 688.
- Ferrell, Charles A., assignor of one-half to H. E. Page, Cleveland, Ohio. Induction-coil. No. 1,223,947; Apr. 24; v. 237; p. 1132.
- Ferrero, Charles P., assignor of eleven-twentieths to C. F. O'Callahan, San Francisco, Cal. Loose-line system. No. 1,246,407; Nov. 13; v. 244; p. 409.
- Ferrero, Paul E., Pittsburgh, Pa. Propeller. No. 1,218,386; Mar. 6; v. 236; p. 173.
- Ferrier, Albert C., assignor of one-half to W. J. Hill, Lincoln, Nebr. Carbureter attachment. No. 1,225,021; May 8; v. 238; p. 369.
- Ferrigno, Sebastian, Brooklyn, N. Y. Foot-support. No. 1,241,839; Oct. 2; v. 243; p. 118.
- Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Stall construction. No. 1,225,320; May 8; v. 238; p. 471.
- Ferris, Henry L., assignor to Hunt-Helm Ferris & Co., Harvard, Ill. Hog-pen. No. 1,239,170; Sept. 4; v. 242; p. 144.
- Ferris, Henry L., assignor to Hunt, Helm, Ferris & Co., Harvard, Ill. Gate for stall construction. No. 1,241,364; Sept. 25; v. 242; p. 932.
- Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Fastener for doors. No. 1,250,574; Dec. 18; v. 245; p. 693.
- Ferris, Howard J., assignor to Hunt-Helm-Ferris & Co., Harvard, Ill. Bull-staff. No. 1,226,201; May 15; v. 238; p. 811.
- Ferris, Howard J., assignor to Hunt-Helm-Ferris & Co., Harvard, Ill. Track for door-hangers. No. 1,235,453; July 31; v. 240; p. 1400.
- Ferris, Howard J., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Door-latch. No. 1,251,207; Dec. 25; v. 245; p. 931.
- Ferris, John A., Chicago, Ill. Water-heater. No. 1,211,927; Jan. 9; v. 234; p. 568.
- Ferris, Ralph E., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,227,413; May 22; v. 238; p. 1254.
- Ferris, Ralph E., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical apparatus. No. 1,231,584; July 3; v. 240; p. 15.
- Ferris, Walter. (See Magie and Ferris.)
- Ferris, Walter C., assignor to National Manufacturing Co., Incorporated, Lincoln, Nebr. Steering mechanism. No. 1,237,188; Aug. 14; v. 241; p. 564.
- Ferris, Warren D., Buffalo, N. Y. Rule-holder. No. 1,220,212; Mar. 27; v. 236; p. 913.
- Ferris, William D., assignor to Sharon Hardware Manufacturing Company, Sharon, Pa. Door-hanger. No. 1,243,499; Oct. 16; v. 243; p. 713.
- Ferris, William S. (See MacLachlan, Elizabeth, assignor.)
- Ferriss, Edward, assignor to Minnesota Farm Tractor Company, Minneapolis, Minn. Tractor. No. 1,219,930; Mar. 20; v. 236; p. 777.
- Ferriter, John P., Jacksonville, assignor of one-half to T. J. Peters, Peters, Fla. Telephone-transmitter. No. 1,234,649; July 24; v. 240; p. 1122.
- Ferriter, John P., Jacksonville, assignor of one-half to T. J. Peters, Peters, Fla. Buzzer-transmitter. No. 1,234,650; July 24; v. 240; p. 1122.
- Ferriter, John P., Jacksonville, assignor of one-half to T. J. Peters, Peters, Fla. Telephone talking-coil and circuit connections. No. 1,234,651; July 24; v. 240; p. 1122.
- Ferriter, John P., Jacksonville, assignor of one-half to T. J. Peters, Peters, Fla. Alternating-current telegraph and telephone duplex. No. 1,251,208; Dec. 25; v. 245; p. 932.
- Ferritto, Daniel, Cleveland, Ohio. Table-leg leveler. No. 1,224,156; May 1; v. 238; p. 14.
- Ferry, Charles A., Altoona, Pa. Combined carrier and lamp. No. 1,231,146; June 26; v. 239; p. 1053.
- Ferry, Emma, Nevada, Mo. Gas-stove. No. 1,236,280; Aug. 7; v. 241; p. 241.
- Ferry, Frank C., East Cambridge, Mass. Pulverizing-machine. No. 1,217,930; Mar. 6; v. 236; p. 16.
- Ferry, James F., Leadville, Colo. Clip device or fastener. No. 1,247,099; Nov. 20; v. 244; p. 649.
- Ferry, John J., Englewood, N. J. Advertising-card holder for car and other seats. No. 1,222,089; Apr. 10; v. 237; p. 410.
- Ferry, John M., Baltimore, Md., assignor to James Ferry & Sons, Incorporated. Apparatus for removing water from water-bearing sand. No. 1,215,134; Feb. 6; v. 235; p. 227.
- Ferry, Thomas, Cleveland, Ohio. Device for upsetting set-screws, cap-screws, and the like. (Reissue.) No. 14,384; Oct. 30; v. 243; p. 1285.
- Fertig, Charles W., and A. J. May, assignors to Ritter Dental Manufacturing Company, Rochester, N. Y. Dental chair. No. 1,233,859; July 17; v. 240; p. 832.
- Fertman, Isidor, New York, N. Y. Portable electric battery. No. 1,213,175; Jan. 23; v. 234; p. 1066.
- Feser, John C., Brooklyn, N. Y. Tooth-brush. No. 1,210,623; Jan. 2; v. 234; p. 86.
- Fessler, Milton A., Oakland, assignor to Fess System Co., San Francisco, Cal. Centrifugal oil-burner. No. 1,236,073; Aug. 7; v. 241; p. 176.
- Fess System Co. (See Fessler, Milton A., assignor.)
- Fessenden, Reginald A., Brant Rock, Mass. Power plant. No. 1,217,165; Feb. 27; v. 235; p. 1072.
- Fessenden, Reginald A., Brookline, Mass. Apparatus for phonograph-kinetoscopes. No. 1,213,176; Jan. 23; v. 234; p. 1067.
- Fessenden, Reginald A., Brookline, Mass. Power generation. No. 1,214,531; Feb. 6; v. 235; p. 17.
- Fessenden, Reginald A., Brookline, Mass. System of storing power. No. 1,247,520; Nov. 20; v. 244; p. 768.
- Fessenden, Reginald A., Brookline, Mass., assignor to Submarine Signal Company, Portland, Me. Submarine, subterranean, and aerial telephony. No. 1,212,202; Jan. 16; v. 234; p. 690.
- Fessenden, Reginald A., Brookline, Mass., assignor to Submarine Signal Company, Portland, Me. Dynamo-electric machinery. No. 1,213,610; Jan. 23; v. 234; p. 1219.
- Fessenden, Reginald A., Brookline, Mass., assignor to Submarine Signal Company, Portland, Me. Dynamo-electric machinery. No. 1,213,611; Jan. 23; v. 234; p. 1219.
- Fessenden, Reginald A., Brookline, Mass., assignor to Submarine Signal Company, Waterville, Me. Measuring distance. No. 1,217,585; Feb. 27; v. 235; p. 1220.
- Fessenden, Reginald A., Brookline, Mass., assignor to Submarine Signal Company, Waterville, Me. Method and apparatus for locating ore-bodies. No. 1,240,328; Sept. 18; v. 242; p. 576.
- Fessler, Frank, assignor of one-half to C. E. Rowe, Des Moines, Iowa. Opera-chair. No. 1,247,385; Nov. 20; v. 244; p. 730.
- Fessler, Raymond G., Mendota, Ill. Bicycle-bell. No. 1,213,469; Jan. 23; v. 234; p. 1170.
- Fest, Adolph D., Chicago, Ill. Utilization of waste sulfite liquor. No. 1,218,638; Mar. 13; v. 236; p. 296.
- Fetner, Benjamin L., Americus, Ga. Dosage-bottle. No. 1,233,656; July 17; v. 240; p. 768.
- Fetner, William H., et al. (See Dickert, Curtis L., assignor.)
- Fetrow, William G. (See Eberly and Fetrow.)
- Fetters, Walter L. (See Hood, Anderson, Fetters, McGlinchy, Gagnon, and Kidder.)
- Fettig, Carl A. (See Mennie, William, assignor.)
- Fetzer, David H., Dormont borough, Allegheny county, Pa. Trocar. No. 1,215,512; Feb. 13; v. 235; p. 394.
- Fetzer, Elias B., assignor to C. E. Hoy, Milton, Pa. Pump-driving mechanism. No. 1,219,093; Mar. 13; v. 236; p. 457.
- Feuchter, Leo A., Ironton, Ohio. Headlight-dimmer. No. 1,216,100; Feb. 13; v. 235; p. 608.
- Fewel, William M. (See Nussbaum, Theodore, assignor.)
- Fey, John W., Shreveport, La. Automobile-signal. No. 1,225,022; May 8; v. 238; p. 370.
- Feybusch, Martin, New York, N. Y. Can-labeling machine. No. 1,236,074; Aug. 7; v. 241; p. 176.
- Feyk, Anton. (See Dusha and Feyk.)
- Feyrere, Ernest C., assignor of one-half to C. E. Leitzinger, Erie, Pa. Light-treatment apparatus. No. 1,232,908; July 10; v. 240; p. 488.
- Fezzey, Chester T. (See Chamberlin and Fezzey.)
- French, Robert, Stanmore, near Sydney, New South Wales, Australia. Projectile. No. 1,244,046; Oct. 23; v. 243; p. 916.
- Fi-Bo-Pak Company, The. (See Miller, James B., assignor.)
- Fialkowski, Kazimir A., Brooklyn, N. Y. Bicycle mud-guard. No. 1,226,323; May 15; v. 238; p. 856.
- Fiat-San Giorgio Società Anonima. (See Fornaca, Guido, assignor.)
- Fiber Making Processes. (See Guettler, Herbert, assignor.)
- Fiber Products Corporation. (See Logan, Cyrus F., assignor.)
- Fichfeld, William F., et al. (See Sorensen, Peter S., assignor.)
- Fichter, Paul, Randolph, Iowa. Clutch. No. 1,215,513; Feb. 13; v. 235; p. 394.
- Fickert, Albert, Brooklyn, N. Y. Guitar-bridge. No. 1,230,695; June 19; v. 239; p. 862.
- Fickling, Matthew M., and C. B. Johnson, Columbia, S. C. Die-stock and oiler therefor. No. 1,246,575; Nov. 13; v. 244; p. 461.
- Fiddymont, John C., Baltimore, Md. Press. No. 1,219,279; Mar. 13; v. 236; p. 519.
- Fidler, Earl G., Garrett, Pa. Rail-joint. No. 1,234,321; July 24; v. 240; p. 1016.
- Fido, Edwin G., Berar, India. Saddle mechanism for cycles. No. 1,211,693; Jan. 9; v. 234; p. 484.
- Fiebig, John P., Candor, N. Y. Floating fly or bait. No. 1,212,752; Jan. 16; v. 234; p. 889.
- Fiedler & Co. G. m. b. H. (See Niederwerfer, Valentin, assignor.)
- Fiego, Alexander J. R., Lynn, Mass., assignor to General Electric Company. Electric meter. No. 1,226,491; May 15; v. 238; p. 909.
- Field, Allan B., London, England, assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,227,414; May 22; v. 238; p. 1255.

- Field, Allan B., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Coil-support. No. 1,238,280; Aug. 28; v. 241; p. 988.
- Field, Allan B., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,241,503; Oct. 2; v. 243; p. 9.
- Field, Charles H. (See Brown, Alvan B., assignor.)
- Field, Chester E., Montreal, Quebec, Canada, assignor to M. F. Field, Winthrop, Mass. Combined binder-spring and picker-check. No. 1,232,262; July 3; v. 240; p. 243.
- Field, Eligha H., and S. J. Busha, Buford, Ga. Air and steam pipe coupling. No. 1,247,100; Nov. 20; v. 244; p. 649.
- Field-Frank, Crosby, New York, N. Y., assignor to General Electric Company. Electric discharge apparatus. No. 1,238,660; Aug. 28; v. 241; p. 1109.
- Field, Frank H., Passaic, N. J. Vehicle wheel and tire. No. 1,222,614; Apr. 17; v. 237; p. 638.
- Field, John F. (See Chamberlain, Chauncey, assignor.)
- Field, Millard F. (See Field, Chester E., assignor.)
- Field, Millard F., Winthrop, E. F. Hathaway and C. D. Lanning, assignors to American Warp-Drawing Machine Company, Boston, Mass. Warp-drawing machine and mechanism for manipulating detached heddles therein. No. 1,215,789; Feb. 13; v. 235; p. 494.
- Field, Robert, Huddersfield, England. Totalizing mechanism for cash-registers. No. 1,250,444; Dec. 18; v. 245; p. 656.
- Field, Samuel B., Holbrook, assignor of one-fourth to Pneumatic Scale Corporation, Limited, and three-fourths to W. H. Doble, Quincy, Mass. Forming a lap-jointed tube. No. 1,228,766; June 5; v. 239; p. 134.
- Field, Samuel B., Holbrook, assignor of one-fourth to Pneumatic Scale Corporation, Limited, and three-fourths to W. H. Doble, Quincy, Mass. Uniting together plates of metal by sweating. No. 1,247,250; Nov. 20; v. 244; p. 692.
- Field, Samuel B., Holbrook, assignor of one-fourth to Pneumatic Scale Corporation, Limited, and three-fourths to W. H. Doble, Quincy, Mass. Lock and seal for boxes. No. 1,247,251; Nov. 20; v. 244; p. 692.
- Field, Thomas H., Archbold, Ohio. Pipe-die. No. 1,235,303; July 31; v. 240; p. 1357.
- Field, William E., Hartford, Conn., assignor to The Hartford Rubber Works Company. Machine for testing plastics. No. 1,232,782; July 10; v. 240; p. 446.
- Field, William T., and J. A. Dumbolton, Lincoln, Nebr. Grease-gun. No. 1,242,914; May 8; v. 238; p. 333.
- Fields, Anderson, Cashion, Okla. Portable spraying apparatus. No. 1,242,930; Oct. 16; v. 243; p. 539.
- Fields, Gordon B., Jacksonville, Fla., assignor to Mergenthaler Linotype Company. Quad-block for slug-casting machines. No. 1,231,870; July 3; v. 240; p. 112.
- Fiero, George M., Pittsburgh, Pa. Lamp. No. 1,215,264; Feb. 6; v. 235; p. 273.
- Fiero, George M., Pittsburgh, Pa. Steering mechanism for automobile-lamps. No. 1,226,492; May 15; v. 238; p. 910.
- Fife, John P., Atlanta, Ga., and W. Laughlin, Cleveland, Ohio. Newspaper-vending machine. No. 1,229,054; June 5; v. 239; p. 227.
- Fifield, Albert F., Newark, N. J., assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,226,963; May 22; v. 238; p. 1106.
- Fifield, Albert F., Elizabeth, N. J., and W. L. Barron, New York, N. Y., assignors to The Singer Manufacturing Company. Button-sewing machine. No. 1,243,927; Oct. 23; v. 243; p. 880.
- Fifield, Albert F., Elizabeth, N. J., assignor to The Singer Manufacturing Company. Thread-cutting mechanism. No. 1,251,451; Dec. 25; v. 245; p. 1003.
- Fiffeld, Charles F., assignor of one-half to H. Bessmer, Hastings, Mich. Loading-machine. No. 1,222,277; Apr. 10; v. 237; p. 478.
- Figler, Wincenty, *et al.* (See Pehel, Zygmunt, assignor.)
- Fijalkowski, Anthony S. (See Lewandowski, Leon, assignor.)
- Fike, James H., Autaugaville, Ala. Boll-weevil and square collector. No. 1,213,037; Jan. 16; v. 234; p. 1002.
- Filbey, John W., assignor to Wrightsville Hardware Company, Wrightsville, Pa. Damper. No. 1,230,882; June 26; v. 239; p. 962.
- Fillion, George, Sr., deceased, Lake Linden, Mich.; S. Fillion, administratrix. Worm-gear-disengaging mechanism. No. 1,222,278; Apr. 10; v. 237; p. 478.
- Fillion, Salome, administratrix. (See Fillion, George, Sr.)
- Fillion, Salome, Lake Linden, Mich. Bed elevating and transporting device. No. 1,214,769; Feb. 6; v. 235; p. 1006.
- Fillip, Adolf A., Schulerburg, Tex. Truss. No. 1,219,094; Mar. 12; v. 236; p. 457.
- Fillman, Edward A., Monmouth, Ill. Water-tank heater. No. 1,239,263; Sept. 4; v. 242; p. 175.
- Filofico, Leonardo, Manduria, Italy. Stone-cutting machine. No. 1,230,696; June 19; v. 239; p. 862.
- Filson, Samuel L., Kansas City, Mo. Spring-tire. No. 1,212,036; Jan. 9; v. 234; p. 605.
- Filzer, Christian G., Erie, Pa. Door-bracing device. No. 1,239,582; Sept. 11; v. 242; p. 303.
- Fina, Pasquale, San Francisco, Cal. Shampoo pan or tray. No. 1,243,397; Oct. 16; v. 243; p. 681.
- Finch, Albert E., Buffalo, N. Y. Pulley. No. 1,245,448; Nov. 6; v. 244; p. 91.
- Finch, Clark S., and C. H. Wick, Dowagiac, Mich. Road-working machine. No. 1,234,891; July 31; v. 240; p. 1230.
- Finch, George L. (See Glidden, Dorman, and Finch.)
- Finch, John S., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Loop-taker-actuating mechanism for sewing-machines. No. 1,232,263; July 3; v. 240; p. 243.
- Finch, John S., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Needle-thread-controlling device for sewing-machines. No. 1,234,322; July 24; v. 240; p. 1017.
- Finch, Robert B., Denver, Colo. Nut-lock. No. 1,242,786; Oct. 9; v. 243; p. 459.
- Findley, Benjamin F., Denver, Mo. Road-drag. No. 1,224,728; May 1; v. 238; p. 219.
- Findley, Thomas W., Minneapolis, Minn. Electrically-operated trolley-door. No. 1,222,090; Apr. 10; v. 237; p. 411.
- Findley, William, Emmett, Idaho. Road-drag. No. 1,215,011; Feb. 6; v. 235; p. 188.
- Fine Cotton Spinners and Doublers Association Limited. (See Hindley, Joseph, assignor.)
- Fine, John D., Oklahoma, Okla. Candy-maker's table. No. 1,247,101; Nov. 20; v. 244; p. 649.
- Fingerle, August C., Modesto, Cal. Electric house-heating furnace. No. 1,216,101; Feb. 13; v. 235; p. 608.
- Fingerle, Hermann, and K. Kroupa, New York, N. Y. Log-dyeing machine. No. 1,239,429; Sept. 4; v. 242; p. 225.
- Finizio, Thomas D., Kitchawan, assignor of two-thirds to H. C. Biglin and L. E. Moffatt, New York, N. Y. Inverted-lamp shade-holder. No. 1,249,364; Dec. 11; v. 245; p. 302.
- Fink, Edward, Milwaukee, Wis., assignor of one-half to H. W. Seaman, Clinton, Iowa. Retort apparatus. No. 1,213,346; Jan. 23; v. 234; p. 1127.
- Fink, Edward, Milwaukee, Wis., assignor of one-half to H. W. Seaman, Clinton, Iowa. Retort apparatus. No. 1,213,347; Jan. 23; v. 234; p. 1127.
- Fink, Reuben W., Toledo, Ohio. Heating device. No. 1,236,416; Aug. 14; v. 241; p. 316.
- Fink, William H., Hampton, Iowa. Disk attachment for planters. No. 1,234,745; July 31; v. 240; p. 1186.
- Finkbeiner, Charles, Arvada, Colo. Beet-harvester. No. 1,246,811; Nov. 13; v. 244; p. 528.
- Finkbeiner, William E., Port Chester, N. Y. Valve-grinder. No. 1,237,189; Aug. 14; v. 241; p. 564.
- Finkel, Charles, and I. Cohen, Seattle, Wash. Steam pressing-machine. No. 1,230,389; June 19; v. 239; p. 759.
- Finkelstein, David, New York, N. Y. Railway-track truss. No. 1,233,861; July 17; v. 240; p. 833.
- Finkelstein, Harry L. (See Finkelstein, Morris, S. H., H. L., and N.)
- Finkelstein, Marcus, New York, N. Y. Collar and stiffener therefor. No. 1,233,860; July 17; v. 240; p. 833.
- Finkelstein, Marcus, New York, N. Y. Collar and stiffener therefor. No. 1,235,454; July 31; v. 240; p. 1400.
- Finkelstein, Moress S., New York, N. Y. Antireflecting bottle-stopper. No. 1,216,428; Feb. 20; v. 235; p. 776.
- Finkelstein, Morris, S. H., H. L., and N., Greenville, Miss. Thread-coating composition. No. 1,210,446; Jan. 2; v. 234; p. 24.
- Finkelstein, Nathan. (See Finkelstein, Morris, S. H., H. L., and N.)
- Finkelstein, Philip, James City, Pa. Manually-removable bottle-cap. No. 1,238,902; Sept. 4; v. 242; p. 59.
- Finkelstein, Samuel H. (See Finkelstein, Morris, S. H., H. L., and N.)
- Finkelstein, William, Philadelphia, Pa. Riveting-machine. No. 1,234,892; July 31; v. 240; p. 1230.
- Finkhausen, Frank W., Wren, Ohio. Fireproof safe. No. 1,229,250; June 12; v. 239; p. 344.
- Finlay, Robert G., Cleveland, Ohio. Securing heat energy from combustible substances. No. 1,213,470; Jan. 23; v. 234; p. 1170.
- Finlay, Robert S., Melbourne, Victoria, Australia. Side car. No. 1,215,265; Feb. 6; v. 235; p. 273.
- Finlayson, Alexander W., Detroit, Mich. Grate for furnaces. No. 1,249,365; Dec. 11; v. 245; p. 302.
- Finley, Charles A., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone equipment. No. 1,242,672; Oct. 9; v. 243; p. 424.
- Finley, Charles W., Battle Creek, Mich. Electrical-conduit bushing. No. 1,240,188; Sept. 18; v. 242; p. 531.
- Finley, Frank W. A. (See Leonard, Roy E., assignor.)
- Finley Robertson Porter Company. (See Porter, Finley R., assignor.)
- Finley, Thomas E. (See McKinnon, Walter A., assignor.)
- Finley, Thomas M., Oran, Mo. Airship. No. 1,233,210; July 10; v. 240; p. 585.
- Finley, Walter A., Fairmont, W. Va. Embroidery-hoop. No. 1,249,057; Dec. 4; v. 245; p. 182.
- Finley, Walter A., Fairmont, W. Va., assignor to P. E. Donner, Pittsburgh, Pa. Rebound-check. No. 1,250,829; Dec. 18; v. 245; p. 771.
- Finn, Austin, Philadelphia, Pa. Flag-retaining device. No. 1,236,417; Aug. 14; v. 241; p. 317.
- Finn, Jay, Elmo, Kans. Tractor for plows, &c. No. 1,211,565; Jan. 9; v. 234; p. 441.

- Finn, William, Bloomfield, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Relay and repeater. (Reissue.) No. 14,304; May 22; v. 238; p. 1304.
- Finne, William L., Elizabeth, N. J. Condenser-coil. No. 1,244,722; Oct. 30; v. 243; p. 1158.
- Finne, William L., Elizabeth, N. J. Safety appliance for elevators. No. 1,244,723; Oct. 30; v. 243; p. 1158.
- Finnegan, John F., *et al.* (See Hyceem, Martin, assignor.)
- Finnell, Walter S., Brooklyn, N. Y. Mop-truck. No. 1,236,156; Aug. 7; v. 241; p. 202.
- Finney, Curtiss W., Spokane, Wash. Cleft nail or like extractor. No. 1,215,012; Feb. 6; v. 235; p. 188.
- Finney, George, Plummer, Idaho. Saw-set. No. 1,239,779; Sept. 11; v. 242; p. 367.
- Finney, James J., Chicago, Ill., assignor to International Egg Candler Corporation, Beatrice, Nebr. Egg-candler. No. 1,223,948; Apr. 24; v. 237; p. 1132.
- Finnigan, John J., Atlanta, Ga. Boiler-tube ferrule. No. 1,248,099; Nov. 27; v. 244; p. 967.
- Firstone, Marx, Brooklyn, N. Y. Fountain-pen. No. 1,238,657; Aug. 28; v. 241; p. 1108.
- Firebaugh, Elba C., Kouts, Ind. Bacon-slicer. No. 1,212,924; Jan. 16; v. 234; p. 946.
- Fireproof Contractors Corporation, The. (See La Morte, William F., assignor.)
- Firestone, Adrian A., Cleveland, Ohio. Spring-tire for vehicles. No. 1,228,010; May 29; v. 238; p. 1488.
- Firestone, Adrian A., Cleveland, Ohio. Spring-tire. No. 1,240,432; Sept. 18; v. 242; p. 608.
- Firestone Tire & Rubber Company, The. (See Harris, Archer H., assignor.)
- Firestone Tire & Rubber Company, The. (See Moyer, Fredellia H., assignor.)
- Firestone Tire & Rubber Company, The. (See Stevens, William C., assignor.)
- Firex Manufacturing Company. (See Pollock, Albert E., assignor.)
- Firry, William P., Roanoke, Va. Emergency power device. No. 1,218,847; Mar. 13; v. 236; p. 374.
- Firman, Charles, Brooklyn, N. Y. Rain-alarm. No. 1,238,502; Aug. 28; v. 241; p. 1060.
- Firmin, John D., Philadelphia, Pa. Power system. No. 1,230,471; June 19; v. 239; p. 788.
- First National Bank. (See Boyd, William A., assignor.)
- First Trust and Savings Company, The, *et al.*, trustees. (See Sommer, Peter W., assignor.)
- Firth, William. (See Smith, Joseph J., assignor.)
- Firth, William C., Kansas City, Mo. Rowing-machine. No. 1,217,292; Feb. 27; v. 235; p. 1115.
- Fisch, Benjamin, and J. Waldman, Brooklyn, N. Y. Handle for pocket-books. No. 1,248,100; Nov. 27; v. 244; p. 967.
- Fischer, Albert T., Cleveland, Ohio. Vending-carton. No. 1,239,094; Sept. 4; v. 242; p. 120.
- Fischer, Alex., Kensington, London, England. Portable cabinet-gramophone. No. 1,224,369; May 1; v. 238; p. 91.
- Fischer, Anton C. (See Fischer, Anton E. and A. C.)
- Fischer, Anton E. and A. C., Cedarburg, Wis. Revolving platform. No. 1,225,793; May 15; v. 238; p. 673.
- Fischer, Arthur I., Cleveland Heights, assignor to Glauber Brass Manufacturing Company, Cleveland, Ohio. Sanitary drinking-fountain. No. 1,242,538; Oct. 9; v. 243; p. 380.
- Fischer, Carl H. (See Sack, Johann, assignor.)
- Fischer, Charles A., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Truss. No. 1,225,232; May 8; v. 238; p. 439.
- Fischer, Charles L. (See Cook and Fischer.)
- Fischer, Charles W., and R. Schamber, Gregory, S. D. Safety-carrier. No. 1,224,086; Apr. 24; v. 237; p. 1178.
- Fischer, Daniel. (See Eggart and Fischer.)
- Fischer, Ernst G., Washington, D. C. Sounding apparatus. No. 1,244,485; Oct. 30; v. 243; p. 1084.
- Fischer, Ernst M., Dölzchen, near Dresden, Germany. Device for arranging articles in rows. No. 1,240,834; Sept. 25; v. 242; p. 766.
- Fischer, Frank F., Omaha, Nebr. Auditorium-chair. No. 1,247,521; Nov. 20; v. 244; p. 769.
- Fischer, Geo. J. (See Wise, Joseph C., assignor.)
- Fischer, George B., assignor of one-half to E. A. Muha, East Chicago, Ind. Tumbler-lock. No. 1,215,013; Feb. 6; v. 235; p. 188.
- Fischer, George M., Bigpool, assignor of one-half to F. J. Otto, Baltimore, Md. Method and composition for the treatment of wood. No. 1,232,909; July 10; v. 240; p. 488.
- Fischer, Jacob, Detroit, Mich. Foot-rest. No. 1,250,830; Dec. 18; v. 245; p. 772.
- Fischer, Joseph W., Philadelphia, Pa. Tailor's measuring or fitting coat. No. 1,221,302; Apr. 3; v. 237; p. 106.
- Fischer, Leigh H., assignor of one-half to S. B. Prater, McCordsville, Ind. Lubricating-cup. No. 1,214,146; Jan. 30; v. 234; p. 1431.
- Fischer, Louis E., St. Louis, Mo., and G. W. Burton, Peoria, Ill. Passenger-car construction. No. 1,217,931; Mar. 6; v. 236; p. 16.
- Fischer, Martin, Zurich, Switzerland, assignor to Fischer Motor Corporation, New York, N. Y. Internal-combustion engine. No. 1,222,615; Apr. 17; v. 237; p. 638.
- Fischer, Max. (See Schmidlin and Fischer.)
- Fischer Motor Corporation. (See Fischer, Martin, assignor.)
- Fischer, William C., New York, N. Y., assignor to The Compound Meter Mfg. Company, Inc. Gas-heater. No. 1,226,964; May 22; v. 238; p. 1106.
- Fischer, William C., New York, N. Y., assignor to The Compound Heater Mfg. Company, Inc. Heater for oil or gas burners. No. 1,238,398; Aug. 28; v. 241; p. 1026.
- Fischesser, J. C. (See Egge, George G., assignor.)
- Fischl, Alois E., Dresden, Germany. Straw-covering material for mouthpieces of cigarettes and the like. No. 1,241,840; Oct. 2; v. 243; p. 119.
- Fischl, Otto. (See Mueller and Fischl.)
- Fischlowitz, Fischel, St. Louis, Mo. Holder for neckties and the like. No. 1,218,070; Mar. 6; v. 236; p. 63.
- Fischman, L. E., *et al.* (See Prigan, Ernest W., assignor.)
- Fischrupp, George, Chicago, Ill. Leg-rest for chairs. No. 1,211,428; Jan. 9; v. 234; p. 394.
- Fish, Charles H. (See Crowell, Pearl K., assignor.)
- Fish, Charles W., Rawcliffe, near Goole, assignor to The Amber Size & Chemical Company, Limited, London, England. Manufacture of paper and the like. No. 1,229,924; June 12; v. 239; p. 570.
- Fish, Edwards R., Webster Groves, Mo. Boiler-furnace. No. 1,228,102; May 29; v. 238; p. 1519.
- Fish, Ezra B., assignor to The Cameragraph Company, Kansas City, Mo. Roll or spool centering device. No. 1,234,746; July 31; v. 240; p. 1186.
- Fish, George M. (See Best, Robert A., assignor.)
- Fish, Gilbert D., assignor to F. L. Stanton, New York, N. Y. Oculograph. No. 1,246,408; Nov. 13; v. 244; p. 409.
- Fish, John, Sunnyside, Utah. Tilling-machine. No. 1,226,493; May 15; v. 238; p. 910.
- Fish, Samuel H., Glendale, Cal. Lock mechanism for automobiles. No. 1,250,575; Dec. 18; v. 245; p. 696.
- Fishel, Orville G., Fort Dodge, Iowa. Depth-gage. No. 1,235,785; Aug. 7; v. 241; p. 84.
- Fishel, Theodore H., New Rochelle, N. Y. Jewelry. No. 1,210,624; Jan. 2; v. 234; p. 86.
- Fisher, Albert D., and T. S. Scott, Winchester, Ky. Means for removably securing demountable wheel-rims. No. 1,250,831; Dec. 18; v. 245; p. 772.
- Fisher, Albert J., Pontiac, Mich. Heater. No. 1,244,971; Oct. 30; v. 243; p. 1233.
- Fisher, Alva J., assignor to Hurley Machine Company, Chicago, Ill. Agitator or dolly for washing-machines. No. 1,211,123; Jan. 2; v. 234; p. 255.
- Fisher, Alva J., Evanston, assignor to Hurley Machine Company, Chicago, Ill. Ironing-machine. No. 1,225,121; May 8; v. 238; p. 403.
- Fisher, Alva J., Evanston, assignor to Hurley Machine Company, Chicago, Ill. Vacuum-cleaner nozzle. No. 1,238,903; Sept. 4; v. 242; p. 59.
- Fisher, Arthur R., New York, N. Y. Colon-irrigator. No. 1,211,928; Jan. 9; v. 234; p. 569.
- Fisher, Arthur W., Pultneyville, N. Y. Composition of matter. No. 1,247,522; Nov. 20; v. 244; p. 769.
- Fisher, Benjamin K., St. Louis, Mo. Adding-machine. No. 1,220,737; Mar. 27; v. 236; p. 1097.
- Fisher Body Corporation. (See Allmand, John T., assignor.)
- Fisher Body Corporation. (See Fisher, Fred J., assignor.)
- Fisher Body Corporation. (See Gagnon, Alexander, assignor.)
- Fisher Body Corporation. (See Simpson, Emory G., assignor.)
- Fisher Body Corporation. (See Smith, George S., assignor.)
- Fisher, Charles, Chicago, Ill. Internal-combustion engine. No. 1,232,264; July 3; v. 240; p. 244.
- Fisher, Charles, Chicago, Ill. Engine. No. 1,232,265; July 3; v. 240; p. 244.
- Fisher, Charles J., Allentown, Pa. Stamp-affixing machine. No. 1,244,724; Oct. 30; v. 243; p. 1158.
- Fisher Closed Body Company. (See Allmand, John T., assignor.)
- Fisher, Daniel W., Moorepark, Mich. Tractor. No. 1,234,148; July 24; v. 240; p. 960.
- Fisher, Donald J., *et al.* (See Wise, Joseph C., assignor.)
- Fisher, Dudley T., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining-machine. No. 1,247,386; Nov. 20; v. 244; p. 730.
- Fisher, E. B. (See Purnell, John W., assignor.)
- Fisher, Edgar C., Dayton, Ohio. Manufacturing sales-book. No. 1,217,166; Feb. 27; v. 235; p. 1073.
- Fisher, Edward, Newport, R. I. Can and jar closure. No. 1,214,147; Jan. 30; v. 234; p. 1431.
- Fisher, Edward C., Burr Oak, Kans. Tool-holder. No. 1,213,088; Jan. 16; v. 234; p. 1002.
- Fisher, Elmer F., assignor to himself, A. B. Lewis, and F. G. Wooden, trustees, Springfield, Mass. Gas-burning grate. No. 1,249,366; Dec. 11; v. 245; p. 302.
- Fisher, Emanuel, Providence, R. I. Valve. No. 1,216,974; Feb. 20; v. 235; p. 962.
- Fisher, Ernest F., Pittsburgh, Pa., assignor to General Electric Company. Fluid-flow-indicating mechanism. No. 1,215,135; Feb. 6; v. 235; p. 227.
- Fisher, Ernest F., Pittsburgh, Pa., assignor to General Electric Company. Multiple-unit boiler control. No. 1,250,832; Dec. 18; v. 245; p. 772.
- Fisher, Frank P., and H. Dehart, Radford, Va. Device for telegraphing under water. No. 1,233,211; July 10; v. 240; p. 586.

Alphabetical list of patentees—Continued.

- Fisher, Fred, assignor of one-fourth to A. C. Immer, one-fourth to F. L. Reichert, and one-fourth to W. Selinger, Arcadia, Mo. Vehicle-wheel tire. No. 1,235,965; Aug. 7; v. 241; p. 143.
- Fisher, Fred J., Detroit, Mich. Concealed hinge. No. 1,211,366; Jan. 2; v. 234; p. 337.
- Fisher, Fred J., Detroit, Mich., assignor to Fisher Body Corporation. Convertible vehicle-body construction. No. 1,242,673; Oct. 9; v. 243; p. 424.
- Fisher, George C., Chicago, Ill. Draft, check, money-order, and other negotiable instruments. No. 1,219,634; Mar. 20; v. 236; p. 674.
- Fisher, George F., Plainfield, N. J., assignor to The Hartford Rubber Works Company. Tire fabric and making the same. No. 1,224,878; May 1; v. 238; p. 270.
- Fisher, George F., Roselle, N. J., assignor to The Hartford Rubber Works Company. Tire-building machine. No. 1,228,196; May 29; v. 238; p. 1548.
- Fisher, George H., Portland, Oreg. Game apparatus. No. 1,246,733; Nov. 13; v. 244; p. 505.
- Fisher, George W., Ravenna, Mich. Hay-fork attachment. No. 1,244,437; Oct. 23; v. 243; p. 1031.
- Fisher, George W., Freeland, Md., assignor of one-third to C. W. Montgomery, Washington, D. C. Window-screen. No. 1,243,928; Oct. 23; v. 243; p. 880.
- Fisher, Harry P., Chicago, Ill. Sheaf-loader. No. 1,214,290; Jan. 30; v. 234; p. 1481.
- Fisher, Harry P., Chicago, Ill. Elevator. No. 1,240,552; Sept. 18; v. 242; p. 645.
- Fisher, Harvey L., assignor to Donaldson & Fisher Company, Chicago, Ill. Cotton-picking machine. No. 1,229,598; June 12; v. 239; p. 462.
- Fisher, Harvey L., assignor to Donaldson & Fisher Company, Chicago, Ill. Cotton-picking machine. No. 1,229,599; June 12; v. 239; p. 462.
- Fisher, Harvey L., assignor to Donaldson and Fisher Company, Chicago, Ill. Power-transmission mechanism. No. 1,231,344; June 26; v. 239; p. 1118.
- Fisher, Harvey L., assignor to Donaldson & Fisher Company, Chicago, Ill. Transmission mechanism for automobiles. No. 1,234,000; July 17; v. 240; p. 877.
- Fisher, Henry G., Hull, Quebec, Canada. Paper-cutter or like machine. No. 1,243,276; Oct. 16; v. 243; p. 646.
- Fisher, Henry L., assignor to Landis Machine Company, Waynesboro, Pa. Nipple-threading machine. No. 1,251,209; Dec. 25; v. 245; p. 932.
- Fisher, Herbert E., San Francisco, Cal. Wave-motor. No. 1,220,618; Mar. 27; v. 236; p. 1057.
- Fisher, Ira S., Molino, Mo. Metallic rail-tie. No. 1,212,037; Jan. 9; v. 234; p. 605.
- Fisher, Ira S., Molino, Mo. Rail-tie. No. 1,221,714; Apr. 3; v. 237; p. 247.
- Fisher, Ira S., Molino, Mo. Concrete tie. No. 1,240,039; Sept. 11; v. 242; p. 447.
- Fisher, James P., Bartlesville, Okla. Dead-weight gage-tester. No. 1,217,735; Feb. 27; v. 235; p. 1271.
- Fisher, Jay M., Brooklyn, N. Y. Electric toy motor. No. 1,252,675; July 10; v. 240; p. 410.
- Fisher, John A., Homestead, Pa. Amusement device. No. 1,228,011; May 29; v. 238; p. 1488.
- Fisher, John F. (See Kincade, Elmer C., assignor.)
- Fisher, John V., Plymouth, Mich. Apparatus for molding building-blocks. No. 1,249,942; Dec. 11; v. 245; p. 470.
- Fisher, Raymond, Philadelphia, Pa. Bobbin. No. 1,217,429; Feb. 27; v. 235; p. 1163.
- Fisher, Raymond, assignor to J. K. Altemus, Philadelphia, Pa. Automatic stop for winding-machines. No. 1,216,557; Feb. 20; v. 235; p. 821.
- Fisher, Robert E., Anaheim, Cal. Odorless garbage-can. No. 1,238,010; Aug. 21; v. 241; p. 866.
- Fisher, Samuel, Hampton, Va. Vending-machine. No. 1,239,375; Sept. 4; v. 242; p. 209.
- Fisher, Sidney, West Dandy, N. Y. Window-screen. No. 1,212,753; Jan. 16; v. 234; p. 889.
- Fisher, Stanley L. (See Moore and Fisher.)
- Fisher, William C., assignor to The Russell Manufacturing Company, Middletown, Conn. Cartridge-belt. No. 1,217,736; Feb. 27; v. 235; p. 1272.
- Fisk, Frederick C. (See Swanberg, Arthur W., assignor.)
- Fisk, Otis H., Cincinnati, Ohio. Center-punch. No. 1,233,458; July 17; v. 240; p. 702.
- Fisk, Roy A., Amboy, Minn. Heating device for water-jacketed carbureters. No. 1,216,301; Feb. 20; v. 235; p. 730.
- Fisk Rubber Company. (See Bradley, James F., assignor.)
- Fisk Rubber Company. (See Duncan, William Y., Jr., assignor.)
- Fisk Rubber Company. (See Lewis, George H., assignor.)
- Fisk Rubber Company, The. (See Foote, Frank J., assignor.)
- Fisk Rubber Company, The. (See Webber, Ezra G., assignor.)
- Fiske, Bradley A., U. S. Navy, and E. A. Sperry, New York, assignors to Sperry Gyroscope Company, Brooklyn, N. Y. Automatic gun-pointing. No. 1,238,503; Aug. 28; v. 241; p. 1060.
- Fiske, Charles P., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Apparatus for removing cadmium from zinc ores. No. 1,246,576; Nov. 13; v. 244; p. 461.
- Fiske & Company. (See Fiske, Jonathan P. B., assignor.)
- Fiske, George W., Akron, Ohio. Refillable indicating-fuse. No. 1,216,429; Feb. 20; v. 235; p. 776.
- Fiske, Jonathan P. B., Newton, Mass., assignor to Fiske & Company, Inc. Wall construction and ribbed channel-brick therefor. No. 1,250,295; Dec. 18; v. 245; p. 611.
- Fiske, William G., assignor to Thames Paper Company Limited, Purfleet, England. Manufacture of boxes and similar receptacles. No. 1,216,791; Feb. 20; v. 235; p. 901.
- Fisker, Peder A., Frederiksberg, near Copenhagen, Denmark. Machine for cleaning, grinding, finishing, and polishing of parqueted floors and similar surfaces. No. 1,224,292; May 1; v. 238; p. 64.
- Fisse, John W., Leonardtown, Md. Coffee-roasting machine. No. 1,231,723; July 3; v. 240; p. 64.
- Fitch, Albert C., Detroit, Mich. Adjustable form for molding concrete structures. No. 1,227,769; May 29; v. 238; p. 1405.
- Fitch, Benjamin F., Evanston, Ill., assignor to The Motor Terminals Company, Cleveland, Ohio. Freight-terminal. No. 1,239,264; Sept. 4; v. 242; p. 175.
- Fitch, Charles M., Correctionville, Iowa. Door-latch. No. 1,251,002; Dec. 25; v. 245; p. 873.
- Fitch, Ezra C., Boston, Mass. Holder for wrist-watches. No. 1,219,449; Mar. 20; v. 236; p. 609.
- Fitch, Florence H. (See Morrison and Fitch.)
- Fitch, John F., and F. C. Stephens, assignors to R. A. Wittemann, Buffalo, N. Y. Apparatus for straining liquids. No. 1,235,672; Aug. 7; v. 241; p. 45.
- Fitch, Mary E., Brookline, Mass. Lining, marking, copying, or other indicating guide. No. 1,215,136; Feb. 6; v. 235; p. 227.
- Fitch, Morgan L., Cooledge, Tex. Stovepipe-anchor for tents. No. 1,245,895; Nov. 6; v. 244; p. 228.
- Fitchburg Bobbin Cleaning Machine Company. (See Chandler, Daniel L., assignor.)
- Fitchburg Machine Works. (See Hogan, Judd, and Waite, assignors.)
- Fitchburg Machine Works. (See Waite, Lyman M., assignor.)
- Fitchet, Charles L., Cincinnati, Ohio. Combination shade and drapery fixture. No. 1,244,305; Oct. 23; v. 243; p. 993.
- Fitzer Brewing Company. (See Ringler and Beerhalter, assignors.)
- Fittinger, Herbert C. (See Allen, James G., assignor.)
- Fitts, Edwin, assignor to Detroit Stoker Company, Detroit, Mich. Automatic-stoker furnace. No. 1,242,336; Oct. 9; v. 243; p. 315.
- Fitts, James L., Merchantville, N. J., assignor to Warren Webster & Company. Steam-heating apparatus. No. 1,210,784; Jan. 2; v. 234; p. 140.
- Fitts, James L., Merchantville, assignor to Warren Webster & Company, Camden, N. J. Thermostatic valve. No. 1,235,673; Aug. 7; v. 241; p. 45.
- Fitts, James L., Pensauken township, Camden county, N. J., assignor to Warren Webster & Company. Steam-heating. No. 1,221,433; Apr. 3; v. 237; p. 152.
- Fitts, Walter H. (See Bristol and Fitts.)
- Fitz, Ervin M. (See Scribner, Walter, assignor.)
- Fitz, Ervin M., Worthington, Ohio. Automatic switch. No. 1,247,946; Nov. 27; v. 244; p. 925.
- Fitz Gerald, Francis A. J. (See Thomson and Fitz Gerald.)
- Fitz, John, Hanover, Pa. Grain-drier. No. 1,249,058; Dec. 4; v. 245; p. 182.
- Fitzner, Herman J., Nappanee, Ind. Curtain-rod. No. 1,233,657; July 17; v. 240; p. 768.
- Fitzgerald, Alexander R., Montebello, Va. Rail-joint. No. 1,234,001; July 17; v. 240; p. 877.
- Fitzgerald, Edward L. (See Ahle and Fitzgerald.)
- Fitzgerald, Frank M., and R. S. Hatch, assignors of one-third to F. M. Hatch, Chicago, Ill. Means for controlling elevators. No. 1,214,907; Feb. 6; v. 235; p. 148.
- Fitzgerald, Harrison R., et al. (See Hogg, William T., assignor.)
- Fitzgerald, James J., Pittsburgh, Pa. Safety-razor. No. 1,238,751; Sept. 4; v. 242; p. 10.
- Fitzgerald, John E., Boston, Mass. Tag-fastener. No. 1,237,769; Aug. 21; v. 241; p. 791.
- Fitzgerald, John J., Brooklyn, N. Y. Table-cover. No. 1,217,932; Mar. 6; v. 236; p. 16.
- Fitzgerald, John M., assignor to H. S. Hawley, deceased, Chicago, Ill.; The Merchant's Loan and Trust Company, executor. Rectifier. No. 1,211,694; Jan. 9; v. 234; p. 484.
- Fitzgerald, John W., Detroit, Mich. Fire-extinguisher. No. 1,242,165; Oct. 9; v. 243; p. 262.
- Fitzgerald, John W., Detroit, Mich. Automatic belt-tensioning means for drive mechanism. No. 1,242,166; Oct. 9; v. 243; p. 262.
- Fitzgerald, Michael, Medina, N. Y. Street or station indicator. No. 1,217,737; Feb. 27; v. 235; p. 1272.
- Fitzgerald, Michael J., Richmond, Cal. Glare-protector. No. 1,228,545; June 5; v. 239; p. 59.
- Fitzharris, Frank, assignor of one-half to E. J. Nixon, Texarkana, Tex. Vehicle-tire. No. 1,214,291; Jan. 30; v. 234; p. 1481.
- Fitzjohn, Edward M., and E. A. Stanton, Oneida, N. Y. Golf-club. No. 1,250,296; Dec. 18; v. 245; p. 612.
- Fitzpatrick, George J., Chicago, Ill. Can-opener. No. 1,244,972; Oct. 30; v. 243; p. 1233.
- Fitzpatrick, James J., New York, N. Y. Dust, wind, and storm shield for vehicles. No. 1,214,292; Jan. 30; v. 234; p. 1482.

- Fitzpatrick, Kirby, Oklahoma, Okla. Speedometer. No. 1,237,497; Aug. 21; v. 241; p. 702.
- Fixen, Laura G. (See Falck, Waldemar A. and F. W., assignors.)
- Fixen, Laura G. (See Teel, John F., assignor.)
- Fjarli, John O., Berwick, N. D. Gang-plow. No. 1,237,626; Aug. 21; v. 241; p. 744.
- Fjellman, Bengt W., Säfve Strandgata, Gottenborg, Sweden, assignor, by mesne assignments, to S. K. F. Ball Bearing Company, Hartford, Conn. Ball-retainer of sheet metal for ball-bearings. No. 1,224,624; May 1; 238; p. 181.
- Fjellman, Bengt W., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Mounting of rotary spindles for twisting and spinning machines and the like. No. 1,246,409; Nov. 13; v. 244; p. 409.
- Fjelstad, Lewis, Wallace, S. D. Agricultural machine. No. 1,214,532; Feb. 6; v. 235; p. 18.
- Flach, Philip T., Norwood, Pa. Brush-holder. No. 1,233,212; July 10; v. 240; p. 586.
- Flachslaender, Joseph, and P. G. List, Leverkusen, near Cologne, Germany, assignors to Synthetic Patents Co., Inc., New York, N. Y. Dyes and dyeing. No. 1,215,359; Feb. 13; v. 235; p. 339.
- Flagg, Ernest, New York, N. Y. Compartment sleeping-car. No. 1,224,625; May 1; v. 238; p. 182.
- Flagg, Ernest, New York, N. Y. Metal window. No. 1,224,626; May 1; v. 238; p. 182.
- Flagg, Ernest, New York, N. Y. Building cementitious partitions and supports therefor. No. 1,238,658; Aug. 28; v. 241; p. 1109.
- Flagg, George B., New York, N. Y. Cigarette-packing machine. No. 1,227,600; May 29; v. 238; p. 1346.
- Flagg, Herman W., assignor of one-third to W. H. Francis, Sr., and one-third to P. H. Granston, Providence, R. I. Wagon. No. 1,223,949; Apr. 24; v. 237; p. 1132.
- Flagg, Lucien M., Yonkers, N. Y. Automatic disk repeating phonograph. No. 1,236,920; Aug. 14; v. 241; p. 481.
- Flagstad, Peter C., Minneapolis, and W. Sands, Kenyon, assignors to Folding Crate and Box Company, Minneapolis, Minn. Folding box or crate. No. 1,219,280; Mar. 13; v. 236; p. 520.
- Flaherty, James P., West Bend, Wis. Apparatus and process of sterilizing dental and other instruments. No. 1,246,899; Nov. 20; v. 244; p. 592.
- Flaherty, John W., Seattle, Wash. Package-hoist. No. 1,229,433; June 12; v. 239; p. 406.
- Flamand, Poul, assignor, by mesne assignments, to Globe Automatic Sprinkler Company, Philadelphia, Pa. Dry-pipe valve. No. 1,231,515; June 26; v. 239; p. 1173.
- Flammang, John, assignor to Inland Machine Works, St. Louis, Mo. Manufacturing piston-rings. No. 1,212,337; Jan. 16; v. 234; p. 740.
- Flammer, Theodore. (See Grindle, Charles W., assignor.)
- Flanagan Company. (See Flanagan, Thomas J. and M. J., assignors.)
- Flanagan, Michael J. (See Flanagan, Thomas J. and M. J.)
- Flanagan, Patrick C., New York, N. Y. Individual protective armor. No. 1,238,120; Aug. 28; v. 241; p. 935.
- Flanagan, Thomas J. and M. J., assignors to Flanagan Company, Tulsa, Okla. Burner for gas and oil. No. 1,230,883; June 26; v. 239; p. 962.
- Flanagan, William, Richey, assignor of one-half to H. A. Moore, Morton, Miss. Means for connecting the ends of railway-rails. No. 1,229,925; June 12; v. 239; p. 570.
- Flanders, Bert W., New London, Conn. Deodorizer. No. 1,233,039; July 10; v. 240; p. 529.
- Flanders, Bert W., assignor of one-half to I. M. Comstock, New London, Conn. Fumigator. No. 1,220,969; Mar. 27; v. 236; p. 1174.
- Flanders, George D., Ellsworth, Kans. Plastic lathing. No. 1,232,522; July 10; v. 240; p. 362.
- Flanders, George O. P., East Arlington, Vt. Mirror-bracket. No. 1,244,973; Oct. 30; v. 243; p. 1233.
- Flanders, Louis H. (See Grant and Flanders.)
- Flanders, Louis H., Jenkintown, Pa. Paste for storage-battery plates and making the same. No. 1,228,546; June 5; v. 239; p. 59.
- Flanders, Louis H., Jenkintown, Pa. Making pasted storage-battery plates. No. 1,228,547; June 5; v. 239; p. 59.
- Flanders, Louis H., Jenkintown, Pa. Portable battery. No. 1,230,390; June 19; v. 239; p. 759.
- Flanders, Ralph E., assignor to Jones & Lamson Machine Company, Springfield, Vt. Metal-working machine. No. 1,219,813; Mar. 20; v. 236; p. 736.
- Flauegin, Earle M., Vienna, W. Va. Clothes-rack. No. 1,250,833; Dec. 18; v. 245; p. 773.
- Flanigan, John J., assignor to Duplicator Manufacturing Company, Chicago, Ill. Multiple copying-machine. No. 1,226,649; May 22; v. 238; p. 998.
- Flannery Bolt Company. (See Dodds, Ethan I., assignor.)
- Flannery Bolt Company. (See Hyland, Charles, assignor.)
- Flannery Bolt Company. (See Stafford, Benjamin E. D., assignor.)
- Flannery Bolt Company. (See Stafford and Dodds, assignors.)
- Flannery, Joseph M., Pittsburgh, Pa. Battery. No. 1,217,738; Feb. 27; v. 235; p. 1272.
- Flannery, Joseph M., assignor to Standard Chemical Company, Pittsburgh, Pa. High-speed steel. No. 1,210,625; Jan. 2; v. 234; p. 86.
- Flannery, Joseph M., assignor to Standard Chemical Company, Pittsburgh, Pa. High-speed steel. No. 1,210,626; Jan. 2; v. 234; p. 86.
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- Flannery, Joseph M., assignor to Standard Chemical Company, Pittsburgh, Pa. Iron alloy. No. 1,247,252; Nov. 20; v. 244; p. 693.
- Flatau, Louis S., St. Louis, Mo. Distilling apparatus. No. 1,233,771; July 17; v. 240; p. 802.
- Flatau, Louis S., assignor of one-third to D. C. Wray and one-third to T. A. Wray, St. Louis, Mo. Land-anchor. No. 1,232,266; July 3; v. 240; p. 245.
- Flater, Harold, Norrköping, Sweden. Pitman connection for mowers. No. 1,241,504; Oct. 2; v. 243; p. 9.
- Flatter, Carl, and W. L. Case, assignors of one-ninth to C. H. Stephenson, Alton Park, Tenn. Self-oiling ball-bearing trolley-wheel. No. 1,212,338; Jan. 16; v. 234; p. 741.
- Flavel, Harry M. (See Bidwell, Flavel, Henry, and McLeod.)
- Flaxman, Americ E., Pittenweem, Scotland. Handle or gripping-surface. No. 1,212,038; Jan. 9; v. 234; p. 605.
- Flagle, Harry S. (See French, Clarence, assignor.)
- Fleak, Glen D., Muskogee, Okla. Wind-shield cleaner. No. 1,217,740; Feb. 27; v. 235; p. 1273.
- Fleck, Franklin A., Middletown, Pa. Fan. No. 1,225,122; May 8; v. 238; p. 403.
- Fleck, Henry L., et al. (See Patton, George S., assignor.)
- Fleckner, Walter O., Cloverdale, Cal. Air-proof composition. No. 1,212,925; Jan. 16; v. 234; p. 946.
- Flegel, Benjamin F., Racine, Wis., and L. S. Darling, Ellington, Conn. Pipe-bowl cleaner. No. 1,227,601; May 29; v. 238; p. 1346.
- Flegel, Harrison D., Racine, Wis., assignor, by mesne assignments, to The Akron-Selle Co., Akron, Ohio. Liquid-gage. (Reissue.) No. 14,314; June 5; v. 239; p. 286.
- Fleisch, Oscar, Brooklyn, N. Y. Adjustable revolving-carrier support. No. 1,212,926; Jan. 16; v. 234; p. 946.
- Fleischer, Herman, assignor to The Stanley Works, New Britain, Conn. Butt-hinge. No. 1,234,696; July 24; v. 240; p. 1135.
- Fleischer, Max, Brooklyn, N. Y. Producing moving-picture cartoons. No. 1,242,674; Oct. 9; v. 243; p. 424.
- Fleischer, Paul W., West Hoboken, N. J., assignor to American Can Company, New York, N. Y. Can-feeding mechanism. No. 1,212,754; Jan. 16; v. 234; p. 889.
- Fleischer, Paul W., West Hoboken, N. J., assignor to American Can Company, New York, N. Y. Packing food products. No. 1,231,585; July 3; v. 240; p. 15.
- Fleischmann, Isidor, Brooklyn, N. Y. Automobile-radiator. No. 1,227,770; May 29; v. 238; p. 1406.
- Fleischmann, Lionel, Berlin, Germany, assignor to General Electric Company, Rotary converter. No. 1,224,729; May 1; v. 238; p. 219.
- Fleming, Allison H., Fairmont, W. Va. Belt. No. 1,225,947; May 15; v. 238; p. 725.
- Fleming, Burton S. (See Fleming and Ladwig.)
- Fleming, Clifford A. and B. S., and C. F. Ladwig, Huntsville, Mo. Baling-press. No. 1,215,014; Feb. 6; v. 235; p. 189.
- Fleming, Edward E., Hagerstown, Md. Self-locking chain-link. No. 1,246,900; Nov. 20; v. 244; p. 592.
- Fleming, Frank A. (See Chase and Fleming.)
- Fleming, Herman A., assignor of one-half to W. Gianella, Richmond, Cal. Vehicle-light controller. No. 1,238,121; Aug. 28; v. 241; p. 935.
- Fleming, James A., Los Angeles, Cal. Rotary machine. No. 1,235,786; Aug. 7; v. 241; p. 84.
- Fleming, James R., Scranton, Pa. Car-axle journal-box and support therefor. No. 1,241,365; Sept. 25; v. 242; p. 932.
- Fleming, Jeff, Point, Tex. Mail-bag catcher. No. 1,241,944; Oct. 2; v. 243; p. 152.
- Fleming, John C., Boston, Mass. Food product. No. 1,211,124; Jan. 2; v. 234; p. 256.
- Fleming, John C., Boston, Mass. Making food compositions. No. 1,213,854; Jan. 30; v. 234; p. 1331.
- Fleming, John C., Boston, Mass. Ventilation and cleaning device. No. 1,223,684; Apr. 24; v. 237; p. 1041.
- Fleming, John C., Boston, Mass. Food compound. No. 1,232,267; July 3; v. 240; p. 245.
- Fleming, John J., Carrick borough, assignor to Phillips Mine and Mill Supply Co., Pittsburgh, Pa. Weigh-basket. No. 1,231,147; June 26; v. 239; p. 1053.
- Fleming, Joseph J., Boone, Iowa. Combination agricultural implement. No. 1,246,577; Nov. 13; v. 244; p. 461.
- Fleming, Laura M., Tonopah, Nev. Crate. No. 1,242,430; Oct. 9; v. 243; p. 345.
- Fleming, Robert G., San Jose, Cal. Car-unloader. No. 1,213,177; Jan. 23; v. 234; p. 1067.
- Fleming, Thomas C., Vancouver, British Columbia, Canada. Combined cabinet and refrigerator. No. 1,241,104; Sept. 25; v. 242; p. 849.

Alphabetical list of patentees—Continued.

- Fleming, William D., East Downingtown, Pa. Air-heater. No. 1,213,178; Jan. 23; v. 234; p. 1067.
- Fleenniken, Charles A. B., Watertown, Mass. Educational device. No. 1,228,197; May 29; v. 238; p. 1548.
- Flentje, Ernst, Cambridge, Mass. Shock-absorber. No. 1,227,126; May 22; v. 238; p. 1163.
- Fleshman, James M., Corydon, Ind. File-handle. No. 1,220,408; Mar. 27; v. 236; p. 983.
- Fleshner, Thomas W., Los Angeles, Cal. Means for dating and identifying tickets. No. 1,247,807; Nov. 27; v. 244; p. 887.
- Fletcher, Albert T. (See Brabrook, George H., assignor.)
- Fletcher, Byron H., Walla Walla, Wash. Combined weeder and cultivator. No. 1,218,541; Mar. 6; v. 236; p. 225.
- Fletcher, Douglas P., Cicero, Ill. Spring-board. No. 1,210,920; Jan. 2; v. 234; p. 188.
- Fletcher, Elizabeth I., Norwich, Conn. Rolling-pin. No. 1,212,039; Jan. 9; v. 234; p. 605.
- Fletcher, Elizabeth I., Norwich, Conn. Dough-board. No. 1,212,040; Jan. 9; v. 234; p. 606.
- Fletcher, Elmer, assignor to The Welch Company, Chicago, Ill. Grain-confection machine. No. 1,233,335; July 17; v. 240; p. 659.
- Fletcher, Fred S., et al. (See Winter, William E., assignor.)
- Fletcher, J. E., Dudley, and J. Harrison, Tipton, England. Pudding-iron. No. 1,220,081; Mar. 20; v. 236; p. 830.
- Fletcher, James A. (See Baker and Fletcher.)
- Fletcher, Leonard V., New York, N. Y., assignor to L. V. Fletcher & Company. Carbureter. No. 1,238,122; Aug. 28; v. 241; p. 955.
- Fletcher, Matthews, Indianapolis, Ind. Method and means for forming concrete structural members. No. 1,241,945; Oct. 2; v. 243; p. 152.
- Fletcher, Robert E., Smithells, assignor of one-half to A. Birch, Bolton, England. Fastening for bale ties or bands. No. 1,247,253; Nov. 20; v. 244; p. 693.
- Fletcher-Terry Company, The, et al. (See Winter, William E., assignor.)
- Fletcher, Thomas N., Hamilton, New Zealand. Combined milking-machine releaser and pulsator. No. 1,228,894; June 5; v. 239; p. 176.
- Flett, William, assignor to Rand Avery Supply Company, Boston, Mass. Folding-machine. No. 1,249,367; Dec. 11; v. 245; p. 303.
- Flexible Steel Lacing Company. (See Purple, George E., assignor.)
- Flick, Howard H., Leighton, Pa. Hair-clipper. No. 1,246,734; Nov. 13; v. 244; p. 506.
- Flick, William S., assignor of one-half to G. A. Lambert, Anderson, Ind. Gate-opening device. No. 1,210,447; Jan. 2; v. 234; p. 24.
- Flickinger, Herschel V., Bucyrus, Ohio. Incubator-alarm. No. 1,219,814; Mar. 20; v. 236; p. 737.
- Fliesbach, H. S., et al. (See Rowan, William P., assignor.)
- Flink, John, Philadelphia, Pa. Airship. No. 1,237,318; Aug. 21; v. 241; p. 645.
- Flinn, John R., Johnstown, Pa. Deposit and collection receptacle. No. 1,231,724; July 3; v. 240; p. 64.
- Flint, Bradford B., Saranac Lake, N. Y. Identification device for tooth-brushes and the like. No. 1,222,377; Apr. 10; v. 237; p. 513.
- Flint, Charles, Spokane, Wash. Hand-level. No. 1,219,095; Mar. 13; v. 236; p. 458.
- Flint, Charles, assignor of one-tenth to S. Svanson, Spokane, Wash. Door opening and closing device. No. 1,219,716; Mar. 20; v. 236; p. 793.
- Flint, Dutee W., Cranston, R. I. Liquid-dispensing apparatus. No. 1,231,006; June 26; v. 239; p. 1006.
- Flint, John, Emu Plains, near Penrith, New South Wales, Australia. Rubber substitute. No. 1,233,459; July 17; v. 240; p. 703.
- Flint, John B., Winthrop, Mass., assignor to The Reece Shoe Machinery Company, Boston, Mass. Nailing-machine. No. 1,225,794; May 15; v. 238; p. 673.
- Flint, Louis J., Detroit, Mich., assignor to Grip Nut Company, Chicago, Ill. Magneto. No. 1,249,732; Dec. 11; v. 245; p. 407.
- Flint, William L. (See Severy and Flint.)
- Flintkote Company, The. (See Overbury, Frederick C., assignor.)
- Flintkote Manufacturing Company. (See Overbury and Platts, assignors.)
- Flitcroft, James E., assignor to P. Wall Manufacturing Supply Company, Pittsburgh, Pa. Water-agitator for ice-freezing apparatus. No. 1,213,179; Jan. 23; v. 234; p. 1067.
- Floating Wedge Lock Nut Co. (See Wood, Frank W., assignor.)
- Flocker, Maud I. R., Pittsburgh, Pa. Hat-pin protector. No. 1,215,015; Feb. 6; v. 235; p. 189.
- Flockhart, James, Denver, Colo. Silencer. No. 1,229,434; June 12; v. 239; p. 406.
- Floerke, Frank, Chicago, Ill. Power-transmission pulley. No. 1,220,738; Mar. 27; v. 236; p. 1097.
- Floete Lumber Company. (See Jones, James F., assignor.)
- Flood, Henry L., Ponca City, Okla. Spark-plug. No. 1,246,735; Nov. 13; v. 244; p. 506.
- Flood, Patrick, assignor of one-half to E. J. B. Murray, Albany, N. Y. Sand-box. No. 1,221,523; Apr. 3; v. 237; p. 184.
- Flood, Patrick, assignor of one-half to E. J. B. Murray, Albany, N. Y. Turnbuckle. No. 1,245,095; Oct. 30; v. 243; p. 1270.
- Flood, Patrick, assignor of one-half to E. J. B. Murray, Albany, N. Y. Trolley-fork. No. 1,247,947; Nov. 27; v. 244; p. 926.
- Flood, Thomas A., Salt Lake City, Utah. Vaccinating device. No. 1,212,927; Jan. 16; v. 234; p. 947.
- Flora, Charles L., assignor of one-half to F. N. Laubenthal, Toledo, Ohio. Steering-gear. No. 1,218,071; Mar. 6; v. 236; p. 64.
- Florendine, James. (See Barnett and Florendine.)
- Florian, Joseph H., Toledo, Ohio. Window-cage. No. 1,239,472; Sept. 11; v. 242; p. 269.
- Florida Soil Fertility Company. (See Burrows, Clarence B., assignor.)
- Florsheim, Simon, and B. F. Orewiler, assignors to Kabo Corset Co., Chicago, Ill. Holder for corset-steels. No. 1,231,246; June 26; v. 239; p. 1086.
- Flory, Allen G., Winchester, Idaho. Gate. No. 1,224,087; Apr. 24; v. 237; p. 1179.
- Flory Carry Iron Company. (See Rink, George W., assignor.)
- Flory Carry Iron Company. (See Westlake, Charles T., assignor.)
- Flory, George D., et al. (See Brown, Archie E., assignor.)
- Flory, Jesse D., Camden, Ohio. Tractor. No. 1,238,752; Sept. 4; v. 242; p. 10.
- Flournoy, Thomas, et al. (See Walter, Ira D., assignor.)
- Flossfisch, Pablo, New York, N. Y. Time-controlled fare-indicator. No. 1,239,095; Sept. 4; v. 242; p. 120.
- Flower, David B., Glenside, Pa. Brush-holder. No. 1,220,082; Mar. 20; v. 236; p. 830.
- Flower, Roland P., Marshalltown, Iowa. Combined shield and tag-bracket. No. 1,244,306; Oct. 23; v. 243; p. 994.
- Flowers, Alan E., Schenectady, N. Y., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Method and machine for determining viscosity. No. 1,247,523; Nov. 20; v. 244; p. 769.
- Flowers-Lynch Gin Saw Cleaner Co. (See Robertson, Osborn B., assignor.)
- Flowers, Malon I., assignor of one-half to A. P. Sale, Waelder, Tex. Air-brake attachment. No. 1,223,267; Apr. 17; v. 237; p. 860.
- Flowers, Walter A., Riverside, Tenn. Tie-loading machine. No. 1,212,617; Jan. 16; v. 234; p. 839.
- Floyd, Edward J., Douglas, Ga. Combination-chair. No. 1,229,251; June 12; v. 239; p. 344.
- Floyd, George, Portsmouth, Ohio. Internal-combustion engine. No. 1,225,005; May 8; v. 238; p. 568.
- Floyd, George G., Chicago, Ill., assignor to American Steel Foundries, New York, N. Y. Draft-arm. No. 1,210,448; Jan. 2; v. 234; p. 24.
- Floyd-Wells Company, The. (See Carter and Bibb, assignors.)
- Floyd, Zebulum S., West Marion, S. C. Pen and pencil clip holder. No. 1,221,715; Apr. 3; v. 237; p. 248.
- Fluck, Clarence I., Bethlehem, Pa. Bracket. No. 1,248,101; Nov. 27; v. 244; p. 967.
- Fluharty, Allan M., Indianapolis, Ind., assignor to The Cincinnati Galvanizing Company, Cincinnati, Ohio. Bread-toaster. No. 1,212,340; Jan. 16; v. 234; p. 741.
- Fluke, Frank E. (See Loffi, George, assignor.)
- Flume Improvement Company. (See Hinman, Leroy R., assignor.)
- Flurschheim, Bernhard J., New York, N. Y. Manufacturing diphenylamin. No. 1,212,928; Jan. 16; v. 234; p. 947.
- Flurschheim, Bernhard J., Fleet, England, assignor to Aetna Explosives Company, Inc., New York, N. Y. Nitrating toluols containing paraffins. No. 1,225,321; May 8; v. 238; p. 471.
- Flynn, Earl B. (See Pieper, Ferdinand J., assignor.)
- Flynn, Edward J., Jr., Woodlawn, Pa. Apparatus for treating steel ingots. No. 1,212,470; Jan. 16; v. 234; p. 786.
- Flynn, Francis P. (See Shorey and Flynn.)
- Flynn, George, assignor of one-half to A. Broyles, National Soldiers Home, Tenn. Umbrella. No. 1,213,855; Jan. 30; v. 234; p. 1331.
- Flynn, James, Brooklyn, N. Y. Excavating-bucket. No. 1,221,041; Apr. 3; v. 237; p. 13.
- Flynn, Michael H., Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Assembling-frame for machines. No. 1,220,507; Mar. 27; v. 236; p. 1018.
- Flynn, Willard M., Waterloo, Iowa. Hog-oiler. No. 1,229,435; June 12; v. 239; p. 407.
- Flynn, William H. (See Burns and Flynn.)
- Flynn, William J. (See Rowan, Francis N., assignor.)
- Flynt, Louis W. G., Morsemer, N. J. Massaging-machine. No. 1,250,118; Dec. 11; v. 245; p. 519.
- Foans, Andrew B., New York, N. Y. Wheeled toy. No. 1,235,455; July 31; v. 240; p. 1400.
- Focardi, Pier-Luigi, Brooklyn, N. Y., assignor to Garwood Company, Garwood, N. J. Ball-bearing. No. 1,210,921; Jan. 2; v. 234; p. 188.
- Focha, William E., assignor of one-half to Patrick W. McDonough, Richmond, Cal. Bottle-safe. No. 1,217,430; Feb. 27; v. 235; p. 1164.

- Focks, Harry C., Salisbury, Md. Fruit-protecting device for berry-crates. No. 1,226,875; May 22; v. 238; p. 1076.
- Fodor, Andrew E., New York, N. Y., assignor to Sanitcap Co., Inc. Cap or head-covering. No. 1,239,376; Sept. 4; v. 242; p. 210.
- Fodrea, William L., Arkadelphia, Ark. Motor-vehicle. No. 1,216,975; Feb. 20; v. 235; p. 962.
- Fodrea, William L., assignor to D. Daniel, Little Rock, Ark. Cotton-picking machine. No. 1,247,387; Nov. 20; v. 244; p. 730.
- Foecke, Henry, Crofton, Nebr. Tractor-wheel. No. 1,228,895; June 5; v. 239; p. 177.
- Föhrenbach, Joseph. (See Loeffler, Adolf, assignor.)
- Foersterling, Hans. (See Philipp and Foersterling.)
- Foersterling, Hans, and H. Philipp, Perth Amboy, N. J., assignors to The Roessler & Hasslacher Chemical Co., New York, N. Y. Making cyanogen compounds. No. 1,214,770; Feb. 6; v. 235; p. 100.
- Foersterling, Hans, H. Philipp, and R. N. Sargent, Perth Amboy, N. J., assignors to The Roessler & Hasslacher Chemical Co., New York, N. Y. Manufacturing cyanogen compounds. No. 1,235,887; Aug. 7; v. 241; p. 117.
- Foersterling, Hans, R. N. Sargent, and F. A. Kaufmann, Perth Amboy, N. J., assignors to The Roessler & Hasslacher Chemical Co., New York, N. Y. Preserving wood. No. 1,242,168; Oct. 9; v. 243; p. 263.
- Fogal, John E. W., assignor to Quincy Elevator Gate Company, Quincy, Ill. Operating means for elevator shaft and car doors. No. 1,225,606; May 8; v. 238; p. 568.
- Fogarty, John G., Carthage, assignor to John Fogarty Co., Inc., Rochester, N. Y. Excavating-machine. No. 1,229,600; June 12; v. 239; p. 463.
- Fogarty, John G., assignor to John Fogarty Co., Inc., Rochester, N. Y. Excavating-machine. No. 1,236,418; Aug. 14; v. 241; p. 317.
- Fogde, Mathias, and L. P. Southwick, Richmond, Va. Stamping-machine. No. 1,244,438; Oct. 23; v. 243; p. 1032.
- Fogelson, George W., Idaho Falls, Idaho. Leveling instrument. No. 1,220,407; Mar. 27; v. 236; p. 934.
- Fogg, Ernest, Newcastle-upon-Tyne, England. Artificial teeth. No. 1,227,602; May 29; v. 238; p. 1347.
- Fogle, William M., Dansville, N. Y. Resharpener saw-blades. No. 1,222,195; Apr. 10; v. 237; p. 449.
- Fogler, George L., Pittsburgh, Pa. Reducing metal-bearing substances. No. 1,227,127; May 22; v. 238; p. 1163.
- Foglesong, J. B. (See Blake, William F., assignor.)
- Föhrenbach, Willy. (See Fonio and Föhrenbach.)
- Foland, Clarke V., Bluefield, W. Va. Apparatus for discharging collapsible tubes. No. 1,228,309; May 29; v. 238; p. 1585.
- Folden, Frank H., Des Moines, Iowa. Multimolding concrete-block machine. No. 1,226,765; May 22; v. 238; p. 1038.
- Folden, Frank H., Des Moines, Iowa. Concrete-block machine. No. 1,226,873; May 22; v. 238; p. 1075.
- Folden, Frank H., Des Moines, assignor to Monarch Manufacturing Corporation, Boone, Iowa. Troweling mechanism. No. 1,227,900; May 29; v. 238; p. 1451.
- Folding Crate and Box Company. (See Flagstad and Sands, assignors.)
- Folding Partition Company, The. (See Fairhurst, John T., assignor.)
- Folding-Stand Company. (See Stone, Harry A., assignor.)
- Folding Utilities Corporation. (See Smith, Carleton W., assignor.)
- Foley, Hugh B., Minneapolis, Minn. Saw-filing machine. No. 1,224,293; May 1; v. 238; p. 64.
- Foley, James S., West Bromwich, and F. W. Baker, Stourbridge, England. Detachable or interchangeable wheel for motor-vehicles. No. 1,228,310; May 29; v. 238; p. 1585.
- Foley, John J., San Francisco, Cal. Sectional rim. No. 1,238,996; Sept. 4; v. 242; p. 89.
- Foley, John P., Columbus, Kans. Rail-fastener. No. 1,213,856; Jan. 30; v. 234; p. 1332.
- Foley, Patrick F., Brooklyn, N. Y. Door-locking device. No. 1,217,586; Feb. 27; v. 235; p. 1221.
- Foley, Stephen A. (See Scheffer, Henry W., assignor.)
- Foley, Timothy J., New York, N. Y. Window-screen. No. 1,246,410; Nov. 13; v. 244; p. 410.
- Foley, William E., Cleveland, assignor to The Dollar Saving and Trust Company, Youngstown, Ohio. Method and apparatus for electrically heating metal. No. 1,217,431; Feb. 27; v. 235; p. 1164.
- Folger, Harry S. (See Johnson, Walter J. O., assignor.)
- Folger, Harry S., and T. Ross, Chicago, Ill. Hand-stamp. No. 1,226,874; May 22; v. 238; p. 1076.
- Folger, Harry S., and T. Ross, Chicago, Ill. Self-inking hand-stamp. No. 1,230,391; June 19; v. 239; p. 759.
- Folger, Harry S., and T. Ross, Chicago, Ill.; said Ross assignor to said Folger. Self-inking hand-stamp. No. 1,241,475; Sept. 25; v. 242; p. 964.
- Folk, Edward S., Canton, Ohio. Roller-bearing. No. 1,230,145; June 19; v. 239; p. 679.
- Folk, Edward S., Canton, Ohio. Roller-bearing. No. 1,232,523; July 10; v. 240; p. 362.
- Follett, Edward P., Duluth, Minn. Fish-cleaning mechanism. No. 1,228,311; May 29; v. 238; p. 1585.
- Follis, Hugh. (See Steele and Follis.)
- Follmer, Ralph W., Palo Alto, Cal. Portable fence. No. 1,235,021; July 31; v. 240; p. 1272.
- Folly, Cornelius A., Boonton, N. J. Bottle-holder. No. 1,243,500; Oct. 16; v. 243; p. 713.
- Folmer, William F., assignor to Eastman Kodak Co., Rochester, N. Y. Gear-cutting machine. No. 1,221,303; Apr. 3; v. 237; p. 106.
- Folmer, William F., assignor to Eastman Kodak Co., Rochester, N. Y. Reflecting-camera. No. 1,221,304; Apr. 3; v. 237; p. 106.
- Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-printing machine. No. 1,230,392; June 19; v. 239; p. 760.
- Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Aviator's camera. No. 1,236,419; Aug. 14; v. 241; p. 317.
- Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Aerial carrier for photographic films. No. 1,238,904; Sept. 4; v. 242; p. 59.
- Folsom, Arthur E., assignor to W. M. Whitney, Winchendon, Mass. Wood-planing machine. No. 1,212,618; Jan. 16; v. 234; p. 839.
- Folsom, Charles W., Cambridge, Mass. Theft-indicating mechanism for motor-vehicles. No. 1,239,780; Sept. 11; v. 242; p. 367.
- Folsom, Clarence P., Dayton, Ohio. Roll for beating-engines. No. 1,245,577; Nov. 6; v. 244; p. 132.
- Folsom, Otis H., Waterville, Me. Paper-stock machine. No. 1,236,281; Aug. 7; v. 241; p. 241.
- Foltz, Frank. (See Bimeler, Peter, assignor.)
- Foltz, Ira W., Chicago, Ill. Drill. No. 1,240,553; Sept. 18; v. 242; p. 645.
- Foltz, Ira W., assignor to The Eureka Smokeless Furnace Company, Chicago, Ill. Furnace. No. 1,235,516; July 31; v. 240; p. 1420.
- Foltz, Ira W., assignor to The Eureka Smokeless Furnace Company, Chicago, Ill. Furnace. No. 1,235,787; Aug. 7; v. 241; p. 84.
- Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Apparatus and process for concentrating argon. No. 1,211,125; Jan. 2; v. 234; p. 256.
- Fondiller, William, assignor to Western Electric Company, New York, N. Y. Loading-coil. No. 1,210,628; Jan. 2; v. 234; p. 87.
- Fondiller, William, New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Manufacturing inductance-coils. No. 1,212,755; Jan. 16; v. 234; p. 890.
- Fondiller, William, assignor to Western Electric Company, Incorporated, New York, N. Y. Phantom loading-coil. No. 1,231,516; June 26; v. 239; p. 1174.
- Fonio, Anton, Langnau, and W. Föhrenbach, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Lipoidlike, blood-clotting substance and making same. No. 1,240,694; Sept. 18; v. 242; p. 688.
- Fonnesbeck, Leon, Logan, Utah. Agricultural implement. No. 1,225,423; May 8; v. 238; p. 507.
- Fonnesbeck, Leon, Logan, Utah. Motor-plow. No. 1,233,040; July 10; v. 240; p. 529.
- Fonos, Peter J., New Richmond, Wis. Rail-joint. No. 1,210,785; Jan. 2; v. 234; p. 141.
- Fonseca, Francisco E., New York, N. Y. Smoke-filter for cigars and cigarettes. No. 1,237,026; Aug. 14; v. 241; p. 516.
- Fontaine, August, Green Bay, Wis. Pulley attachment. No. 1,241,726; Oct. 2; v. 243; p. 84.
- Fontaine, Edward S., Reno, Nev. Sanitary gut-clamp. No. 1,236,282; Aug. 7; v. 241; p. 243.
- Fontaine, Philiza H., Petersburg, N. D. Reversing-gear for steam-engines. No. 1,221,716; Apr. 3; v. 237; p. 248.
- Fontaine, Robert A., Roanoke, Va. Scratch-die and roller for brick-machines. No. 1,246,411; Nov. 13; v. 244; p. 410.
- Fontenot, F. M., et al. (See Underwood, Charles W., assignor.)
- Fontenot, Gus E., et al. (See Underwood, Charles W., assignor.)
- Fontenot, Rufus W., et al. (See Underwood, Charles W., assignor.)
- Foord, Charles L., Dallas, Tex. Awning. No. 1,212,619; Jan. 16; v. 234; p. 839.
- Foot Air Accelerator Company. (See Bussey, Ernest, assignor.)
- Foot, William H., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Centrifugal speed-limit device. No. 1,231,586; July 3; v. 240; p. 16.
- Foot-Burt Company, The. (See Randles, George E., assignor.)
- Foot, Edward T., Montclair, N. J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Battery-charging equipment. No. 1,227,771; May 29; v. 238; p. 1406.
- Foot, Frank J., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Air-bag. No. 1,240,433; Sept. 18; v. 242; p. 608.
- Foot, George H., Jr. (See Gardner, Coc S., assignor.)
- Foot, Herman M., Cleveland, Ohio, assignor to The Mechanical Rubber Company. Annular article. No. 1,225,023; May 8; v. 238; p. 370.
- Foot, Hiram W., Los Angeles, Cal. Automobile-steering-gear lock. No. 1,211,835; Jan. 9; v. 234; p. 535.

Alphabetical list of patentees—Continued.

- Foote, John B., Oak Park, Ill. Apparatus for removing stems from fresh fruit. No. 1,234,697; July 24; v. 240; p. 1135.
 Foote, John B., Oak Park, Ill. Apparatus for stemming fruit. No. 1,234,698; July 24; v. 240; p. 1136.
 Foothorap, Harry A., assignor to Elliott-Fisher Company, Harrisburg, Pa. Platen and platen equipment for type-writing machines. No. 1,228,896; June 5; v. 239; p. 177.
 Foothorap, Harry A., assignor to Elliott-Fisher Company, Harrisburg, Pa. Line-space lock and release. No. 1,236,420; Aug. 14; v. 241; p. 317.
 Foothorap, Harry A., assignor to Elliott-Fisher Company, Harrisburg, Pa. Register-lock. No. 1,243,277; Oct. 16; v. 243; p. 646.
 Foothorap, Harry A., assignor to Elliott-Fisher Company, Harrisburg, Pa. Type-writing machine. No. 1,251,361; Dec. 25; v. 245; p. 977.
 Forbes, Allan W., Worcester, Mass. Electric motor. No. 1,237,248; Aug. 14; v. 241; p. 585.
 Forbes, Cornelius B., Guilford, Conn. Handle. No. 1,230,472; June 19; v. 239; p. 788.
 Forbes, Cullen C., Jr., Corpus Christi, Tex. Grain-heading machine. No. 1,217,933; Mar. 6; v. 236; p. 17.
 Forbes, Harry A., High Barnet, England. Sanding-gear for tram-cars and like vehicles. No. 1,247,948; Nov. 27; v. 244; p. 926.
 Forbes, Henriette J., executrix. (See Forbes, John.)
 Forbes, Ida R. (See McGowen and Thalhammer, assignors.)
 Forbes, Ida R., Los Angeles, Cal. Electrical water-heater. No. 1,251,210; Dec. 25; v. 245; p. 932.
 Forbes, James M. (See Corral and Forbes.)
 Forbes, John, deceased, Halifax, Nova Scotia, Canada; H. J. Forbes, executrix. Movable stairway. No. 1,237,627; Aug. 21; v. 241; p. 744.
 Forbes, John S., Philadelphia, Pa. Method of and apparatus for distilling and evaporating. No. 1,232,269; July 3; v. 240; p. 245.
 Forbes, Kingston, Flint, Mich. Catch. No. 1,213,471; Jan. 23; v. 234; p. 1170.
 Forbes, Kingston, Flint, Mich. Spark-plug for internal-combustion engines. No. 1,247,102; Nov. 20; v. 244; p. 649.
 Forbes, Leighton H., assignor to American Drafting Furniture Co., Rochester, N. Y. Drawer-support. No. 1,212,471; Jan. 16; v. 234; p. 787.
 Forbes, Percy L., West Middlesex, Pa. Hay-distributing apparatus. No. 1,216,558; Feb. 20; v. 235; p. 821.
 Forbes, Philip J., Brooklyn, N. Y. Box-strap. No. 1,220,835; Mar. 27; v. 236; p. 1131.
 Forbes, William, Woodbury, Conn., and J. T. Hubbard, Port Chester, N. Y. Railway-rail fastener. No. 1,229,926; June 12; v. 239; p. 571.
 Forboro Company, The. (See Bristol, Edgar H., assignor.)
 Force, David E., Jersey City, N. J. Piano-keyboard chart and guard. No. 1,229,735; June 12; v. 239; p. 506.
 Ford, Andrew E., Walla Walla, Wash. Gearless differential. No. 1,238,659; Aug. 28; v. 241; p. 1109.
 Ford, Arthur H., Iowa City, Iowa. Headlight. No. 1,235,674; Aug. 7; v. 241; p. 46.
 Ford, Arthur H., Iowa City, Iowa. Headlight. No. 1,235,675; Aug. 7; v. 241; p. 46.
 Ford, Ben K., assignor to Detroit Can Company, Detroit, Mich. Paper-walled vessel. No. 1,243,658; Oct. 16; v. 243; p. 760.
 Ford, Bion D., Cleveland, Ohio. Adjustable cutter. No. 1,218,992; Mar. 13; v. 236; p. 423.
 Ford, Bruce, Philadelphia, Pa. Secondary or storage battery. No. 1,210,786; Jan. 2; v. 234; p. 141.
 Ford, Bruce, Philadelphia, Pa. Secondary or storage battery. No. 1,210,787; Jan. 2; v. 234; p. 141.
 Ford, Bruce, Philadelphia, Pa. Secondary or storage battery. No. 1,230,393; June 19; v. 239; p. 760.
 Ford, Bruce, Philadelphia, Pa. Storage battery. No. 1,230,394; June 19; v. 239; p. 760.
 Ford, Bruce, Philadelphia, Pa. Making autogenous joints. No. 1,234,699; July 24; v. 240; p. 1136.
 Ford, Bruce, Philadelphia, Pa. Handle for battery-boxes and means for locking same. No. 1,238,753; Sept. 4; v. 242; p. 11.
 Ford, Bruce, Philadelphia, Pa. Secondary or storage battery. No. 1,238,754; Sept. 4; v. 242; p. 11.
 Ford, Bruce, Philadelphia, Pa. Secondary or storage battery. No. 1,238,755; Sept. 4; v. 242; p. 11.
 Ford, Charles R., Paducah, Ky. Bilge-water alarm. No. 1,216,678; Feb. 20; v. 235; p. 861.
 Ford, Charles R., Paducah, Ky. Low-water alarm. No. 1,218,935; Mar. 13; v. 236; p. 404.
 Ford, Charles R., Paducah, Ky. Tumbler and bottle washer. No. 1,218,936; Mar. 13; v. 236; p. 405.
 Ford, Edward L., Youngstown, Ohio. Puddling-furnace. No. 1,212,929; Jan. 16; v. 234; p. 947.
 Ford, Edwin H. (See Neff and Ford.)
 Ford, Eliot E., assignor of one-half to H. A. Murray, Newark, N. J. Match-box. No. 1,232,910; July 10; v. 240; p. 488.
 Ford, Emma I., Denver, Colo. Convertible sleeping-ham-mock, packing-hag, and bath-tub. No. 1,237,628; Aug. 21; v. 241; p. 745.
 Ford, Hannibal C., Jamaica, assignor to A. J. Baldwin, New York, N. Y. Railway system. (Reissue.) No. 14,295; May 1; v. 238; p. 274.
 Ford, Harry R. (See Weaver, Henry W., assignor.)
 Ford, Herman M., Bone Gap, Ill. Farm-tractor. No. 1,249,059; Dec. 4; v. 245; p. 183.
 Ford, James, Christoval, Tex. Cotton-harvester. No. 1,214,490; Jan. 30; v. 234; p. 1548.
 Ford, James A., Jamaica Plain, assignor to Plymouth Rubber Company, Canton, Mass. Boot and shoe sole. No. 1,214,666; Feb. 6; v. 235; p. 65.
 Ford, James H., Baltimore, Md. Addressing-machine. No. 1,241,946; Oct. 2; v. 243; p. 152.
 Ford, John W., assignor to W. R. Gilbert, St. Louis, Mo. Cable-ring-forming machine. No. 1,239,583; Sept. 11; v. 242; p. 304.
 Ford, John W., assignor of one-third to T. D. Davis and one-third to G. H. Allan, St. Louis, Mo. Piston-ring. No. 1,247,949; Nov. 27; v. 244; p. 926.
 Ford, Julius C., Summit, Miss. Fence-wire fastener. No. 1,215,641; Feb. 13; v. 235; p. 443.
 Ford, Michael J., Omaha, Nebr. Hospital-bed. No. 1,246,078; Nov. 13; v. 244; p. 309.
 Ford, Oscar B., E. H. Loy, and J. J. Heeter, Lewisburg, Ohio. Assorting-cabinet. No. 1,225,607; May 8; v. 238; p. 568.
 Ford, Paul B. (See Kinkad and Ford.)
 Ford, Ralph L., Chicago, Ill., assignor to International Harvester Corporation. Fertilizer attachment for seed-planters. No. 1,211,836; Jan. 9; v. 234; p. 635.
 Ford, Ralph L., Chicago, Ill., assignor to International Harvester Corporation. Fertilizer-dropper. No. 1,237,629; Aug. 21; v. 241; p. 745.
 Ford, Ralph L., Chicago, Ill., assignor to International Harvester Corporation. Seed-planter. No. 1,250,297; Dec. 18; v. 245; p. 612.
 Ford, Ralph L., Chicago, Ill., assignor to International Harvester Corporation. Corn-planter-clutch-controlling mechanism. No. 1,250,298; Dec. 18; v. 245; p. 612.
 Ford, Robert W. (See Davidson and Ford.)
 Ford, Samuel H., Flat Rock, Ill. Door-latch. No. 1,214,148; Jan. 30; v. 234; p. 1431.
 Ford, Samuel M., Des Moines, Iowa. Heating and cooking stove. No. 1,249,943; Dec. 11; v. 245; p. 470.
 Ford, Silas M., St. Paul, Minn. Shingle. No. 1,213,472; Jan. 23; v. 234; p. 1171.
 Ford, Silas M., St. Paul, Minn. Machine for making lath-board. No. 1,226,650; May 22; v. 238; p. 999.
 Ford, Silas M., St. Paul, Minn. Lath-board. No. 1,236,283; Aug. 7; v. 241; p. 242.
 Ford, Silas M., St. Paul, Minn. Roofing-nail. No. 1,242,675; Oct. 9; v. 243; p. 425.
 Ford, Silas M., St. Paul, Minn. Machine for making lath-board. No. 1,245,450; Nov. 6; v. 244; p. 92.
 Ford, Silas M., St. Paul, Minn. Machine for making lath-board. No. 1,249,733; Dec. 11; v. 245; p. 408.
 Ford, Thomas B., Brooklyn, N. Y. Combined stop-valve, automatic limited-pressure valve, and full-pressure supply-valve. No. 1,216,976; Feb. 20; v. 235; p. 963.
 Ford, Thomas P., Brooklyn, N. Y. Elevator. No. 1,223,950; Apr. 24; v. 237; p. 1133.
 Ford, Walter C., Erick, Okla. Disk plow. No. 1,225,233; May 8; v. 238; p. 440.
 Fordham, Theodore B., et al. (See Faymonville, Bernard, Jr., assignor.)
 Fordice, Ray E., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Roller, side bearing. No. 1,226,202; May 15; v. 238; p. 812.
 Fording, William G., assignor to The Reliance Gauge Column Company, Cleveland, Ohio. Clutch. No. 1,235,561; Aug. 7; v. 241; p. 10.
 Forst, Chemical Works. (See Zinkelsen, Oscar T., assignor.)
 Fore Electrical Mfg. Co. (See Wehmeier, Albert, assignor.)
 Fore River Shipbuilding Corporation. (See Warriner, Robert, assignor.)
 Forehand, Blake W. (See Stebbins and Forehand.)
 Forelly, Carl B. (See Paulson, Rudolf, assignor.)
 Foreman, Ira, Long Beach, assignor to F. W. Thompson, Los Angeles, Cal. Material-compressing machine. No. 1,250,702; Dec. 18; v. 245; p. 733.
 Foreman, J. P. (See Luke, Russell, Kennedy, and Anderson, assignors.)
 Foreman, William, Jefferson township, Montgomery county, Ohio. Hand gripping device. No. 1,243,725; Oct. 23; v. 243; p. 816.
 Forest By-Products Company. (See Riis, Marius P. P., assignor.)
 Forest City Engineering Company, The. (See Zwick, William S. J., assignor.)
 Forest City Paint & Varnish Company, The. (See Ulrich, Jacob J., assignor.)
 Forester, George L., Asheville, N. C. Railway-crossing. No. 1,244,439; Oct. 23; v. 243; p. 1032.
 Forester, William H., Portage la Prairie, assignor of one-half to T. A. Watson, Grand View, Manitoba, Canada. Combined window-lock and draft-stop. No. 1,222,378; Apr. 10; v. 237; p. 513.
 Forg, Peter, Somerville, Mass. Valve-handle. No. 1,218,753; Mar. 13; v. 236; p. 339.
 Forger, Albert H., New Martinsville, W. Va. Headlight-lens. No. 1,251,211; Dec. 25; v. 245; p. 933.
 Forgues, Charles, assignor to Société de Lavandeyra & Orner, Paris, France. Telephonic apparatus. No. 1,230,884; June 26; v. 239; p. 963.

- Forgus, Frederic W., assignor to S. Scott, Jr., St. Louis, Mo. Folder-envelop. No. 1,240,961; Sept. 25; v. 242; p. 805.
- Foringer, Newton H., New Cumberland, W. Va. Pipe-cutter. No. 1,242,931; Oct. 16; v. 243; p. 540.
- Fork, William C., assignor to Acme Steel Goods Company, Chicago, Ill. Box-strap seal. No. 1,232,674; July 10; v. 240; p. 410.
- Forman, Nellie G., Midvale, Utah. Rule-holder. No. 1,247,103; Nov. 20; v. 244; p. 650.
- Fornaca, Guido, Turin, Italy. Air-compressor for internal-combustion engines. No. 1,233,460; July 17; v. 240; p. 703.
- Fornaca, Guido, Turin, Italy. Combustion-engine. No. 1,245,451; Nov. 6; v. 244; p. 93.
- Fornaca, Guido, Turin, assignor to Fiat-San Giorgio, Società Anonima, Spezia, Italy. Ballast control for submarines. No. 1,240,189; Sept. 18; v. 242; p. 531.
- Fornaca, Guido, Turin, Italy, assignor to F. I. A. T. (Fabbrica Italiana Automobili Torino). Mechanism for gear-meshing. No. 1,245,452; Nov. 6; v. 244; p. 93.
- Fornaca, Guido, Turin, Italy, assignor to F. I. A. T., Poughkeepsie, N. Y. Combustion-engine valve. No. 1,251,003; Dec. 25; v. 245; p. 873.
- Fornander, Alfred, assignor to E. T. Wallace, New York, N. Y. Apparatus for treating milk and other liquids. No. 1,230,395; June 19; v. 239; p. 761.
- Fornander, Torsten, Alameda, Cal. Resilient wheel. No. 1,242,169; Oct. 9; v. 243; p. 263.
- Forner, Alessandro, New York, N. Y. Window-screen. No. 1,233,658; July 17; v. 240; p. 768.
- Forney, Emanuel, Everett, Pa. Hand-truck. No. 1,241,366; Sept. 25; v. 242; p. 933.
- Forniraseo, Domenico, Klamath Falls, Oreg. Dirigible automobile-headlight. No. 1,215,016; Feb. 6; v. 235; p. 189.
- Forquer, Wiley. (See Smith and Forquer.)
- Forrest, Alfred, Sr., *et al.* (See Forrest, Eugene, assignor.)
- Forrest, Bedford W., Shelbyville, Tenn. Cotton-chopper. No. 1,234,002; July 17; v. 240; p. 878.
- Forrest, Carl, *et al.* (See Forrest, Eugene, assignor.)
- Forrest, Charles N., Rahway, assignor of one-fourth to R. L. Fowler, one-fourth to M. S. Darrow, Perth Amboy, and one-fourth to E. B. Rosevear, Boonton, N. J. Manufacture of flexible bituminous roofing and waterproofing materials. No. 1,211,837; Jan. 9; v. 234; p. 536.
- Forrest, Eugene, assignor of two-eighths to T. Forrest, one-eighth to C. Forrest, and one-eighth to A. Forrest, Sr., Brimley, Mich. Motor-sleigh. No. 1,210,922; Jan. 2; v. 234; p. 188.
- Forrest, Frank H., Dakota City, Nebr. Power steering attachment for traction-engines. No. 1,235,888; Aug. 7; v. 241; p. 118.
- Forrest, Oscar E., Schenectady, N. Y., assignor to General Electric Company. Fuse-holder. No. 1,217,741; Feb. 27; v. 235; p. 1273.
- Forrest, Treffley, *et al.* (See Forrest, Eugene, assignor.)
- Forsberg, Marcus, New Market, N. J. Visual and audible signal for automobiles. No. 1,237,498; Aug. 21; v. 241; p. 703.
- Forsee, Samuel P., Jr., Kansas City, Mo. Creeper for horseshoes, &c. No. 1,235,127; July 31; v. 240; p. 1304.
- Forsell, Walter F., Hudson, Wyo. Auto-tire. No. 1,246,736; Nov. 13; v. 244; p. 506.
- Forsheim, Joseph, Great Neck, and J. Konigsberg, New York, assignors to L. S. Forsheim, Great Neck, N. Y. No. 1,219,931; Mar. 20; v. 236; p. 778.
- Forsheim, Lena S. (See Forsheim and Konigsberg, assignors.)
- Forshey, Edward E., Parkersburg, W. Va. Device for keying pulleys to shafts. No. 1,229,927; June 12; v. 239; p. 571.
- Forster, John C. (See Brulatour and Darrow, assignors.)
- Forster, John W. L., *et al.* (See McCollum, James H. K., assignor.)
- Forster, William A., Port Huron, Mich. Supporting device. No. 1,221,717; Apr. 3; v. 237; p. 248.
- Forstrom, John, Chicago, Ill. Equalizing mechanism. No. 1,223,486; Apr. 24; v. 237; p. 970.
- Forsyth Dyeing Co., The. (See Bolton, John T., assignor.)
- Forsyth Dyeing Co., The. (See Forsyth, Thomas, assignor.)
- Forsyth, Edwin S. (See Duich, Steven, assignor.)
- Forsyth, George H. (See Sisson, Albert H., assignor.)
- Forsyth, George H., Chicago, Ill., assignor to Vaughn Draft Gear Company. Draft and buffing mechanism. No. 1,219,717; Mar. 20; v. 236; p. 703.
- Forsyth, Holmes. (See Younger and Schoenky, assignors.)
- Forsyth, Thomas, assignor to The Forsyth Dyeing Co., New Haven, Conn. Commercial process for reclaiming the dye content of waste liquors. No. 1,242,676; Oct. 9; v. 243; p. 425.
- Forsyth, William D., Youngstown, Ohio, assignor to Railway Products Corporation, Buffalo, N. Y. Draw-bar yoke. No. 1,216,430; Feb. 20; v. 235; p. 776.
- Forsyth, William R., Swampscott, Mass. Cutting-block and making the same. No. 1,222,616; Apr. 17; v. 237; p. 639.
- Forsyth, William R., Swampscott, Mass. Reinforced die-block. No. 1,229,736; June 12; v. 239; p. 507.
- Forsythe, Albert H., Joplin, Mo. Internal-combustion engine. No. 1,212,041; Jan. 9; v. 234; p. 606.
- Fort, Clarence E., and A. S. Horton, Rockford, Ill. Windshield and protector for cigars. No. 1,240,329; Sept. 18; v. 242; p. 576.
- Fort, George L., assignor to Fort-ified Manufacturing Company, Kansas City, Mo. Melting-pot feeder. No. 1,226,651; May 22; v. 238; p. 999.
- Fort-ified Manufacturing Company. (See Fort, George L., assignor.)
- Fort, Louis, Jersey City, N. J. Insulator and support therefor. No. 1,240,330; Sept. 18; v. 242; p. 576.
- Fort Pitt Bedding Company. (See Sleeth, Montgomery, assignor.)
- Fort Wayne Engineering and Manufacturing Company. (See Astrom, John, assignor.)
- Fortain, Jenny B., Redondo Beach, and M. Viets, Los Angeles, Cal. Combination corset-cover and chemise. No. 1,240,554; Sept. 18; v. 242; p. 645.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. High-voltage insulating-bushing. No. 1,217,890; Feb. 27; v. 235; p. 1323.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical protective device. No. 1,224,370; May 1; v. 238; p. 92.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Transformer. No. 1,227,415; May 22; v. 238; p. 1255.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Circuit-interrupting device. No. 1,227,416; May 22; v. 238; p. 1255.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Circuit-interrupting device. No. 1,227,417; May 22; v. 238; p. 1256.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric distributing system. No. 1,227,772; May 29; v. 238; p. 1406.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Shielding system for vapor-converters. No. 1,231,587; July 3; v. 240; p. 16.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company, Transformer. No. 1,239,896; Sept. 11; v. 242; p. 405.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Multi-phase rectifying system. No. 1,241,505; Oct. 2; v. 243; p. 9.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Vacuum-type converter system. No. 1,244,486; Oct. 30; v. 243; p. 1085.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Current-regulator. No. 1,250,834; Dec. 18; v. 245; p. 773.
- Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical distributing system. No. 1,250,835; Dec. 18; v. 245; p. 773.
- Forth, Charles, Ottawa, Ontario, Canada. Door-closing mechanism. No. 1,225,322; May 8; v. 238; p. 472.
- Forth, Charles, Ottawa, Ontario, Canada. Door-closing mechanism. No. 1,228,012; May 29; v. 238; p. 1488.
- Forth, Charles, Ottawa, Ontario, Canada. Postal box. No. 1,240,190; Sept. 18; v. 242; p. 531.
- Fortier, Charles D. (See Jolly and Fortier.)
- Fortier, Charles L., assignor to Johnson Service Company, Milwaukee, Wis. Automatic control device. No. 1,212,042; Jan. 9; v. 234; p. 606.
- Fortier, Ulysses D., Tulsa, Okla. Time-switch. No. 1,214,771; Feb. 6; v. 235; p. 100.
- Fortin, Benjamin P., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,212,756; Jan. 16; v. 234; p. 890.
- Fortin, Benjamin P., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,237,319; Aug. 21; v. 241; p. 646.
- Fortney, Christ T., West Prairie, Wis. Horseshoe. No. 1,219,281; Mar. 13; v. 236; p. 520.
- Fortney, Harvey B., Hartman, Colo. Grain or hay grinder. No. 1,211,566; Jan. 9; v. 234; p. 441.
- Fortuna-Werke. Spezialmaschinenfabrik, G. m. b. H. (See Hirth, Carl A., assignor.)
- Fortuna-Werke Spezialmaschinenfabrik, G. m. b. H. (See Rausch, Carl A., assignor.)
- Fortuna-Werke, Spezialmaschinenfabrik, Gesellschaft Mit Beschränkter Haftung. (See Klueger, Hermann, assignor.)
- Fortune, John R., assignor to Murphy Iron Works, Detroit, Mich. Automatic stoker. No. 1,243,055; Oct. 16; v. 243; p. 581.
- Forward, Alfred T., Manton, Cal. Transmission-gear. No. 1,239,781; Sept. 11; v. 242; p. 367.
- Forward, Chauncey B., Urbana, Ohio. Apparatus for treating crude petroleum and the distillates thereof. No. 1,247,808; Nov. 27; v. 244; p. 887.

Alphabetical list of patentees—Continued.

- Forward, Chauncey B., Jr., and L. D., Urbana, Ohio. Aeroplane. No. 1,218,387; Mar. 6; v. 236; p. 173.
- Forward, Louis D. (See Forward, Chauncey B., Jr., and L. D.)
- Forward, Roscoe F. (See Gotobed and Forward.)
- Fosburgh, Lawrence L., Sapulpa, Okla. Aeroplane. No. 1,224,915; May 8; v. 238; p. 333.
- Fosdick, Charles A., Keota, Iowa. Broom-bridle. No. 1,214,447; Jan. 30; v. 234; p. 1533.
- Fosdick, Frank C., Chicago, Ill. Water-softening apparatus for locomotives. No. 1,212,339; Jan. 16; v. 234; p. 741.
- Fosha, Irvin J., Madison township, Riley county, Kans. Automatic guiding attachment for automobiles. No. 1,240,555; Sept. 13; v. 242; p. 646.
- Foss, Alvan F., Montreal, Quebec, Canada. Bottle-closure. No. 1,229,436; June 12; v. 239; p. 407.
- Foss, Benjamin H. (See Freundt, William H., assignor.)
- Foss, Clarence J. (See Currier, Joseph W., assignor.)
- Foss, Frederick A. (See Williams and Foss.)
- Foss, Howard W., Irving, N. J. Window-cleaning device. No. 1,219,282; Mar. 13; v. 236; p. 521.
- Foss, Leland L., assignor of one-half to M. Leader, Vidalia, Ga. Cotton-gin of the double-roller type. No. 1,215,137; Feb. 6; v. 235; p. 227.
- Foss, William A., Cleveland, Ohio. Fish-lure-demonstrating apparatus. No. 1,234,323; July 24; v. 240; p. 1017.
- Fossum, John J., Maxbass, assignor of one-third to P. J. Nordberg, Newburg, and one-third to B. Henry, Westhope, N. D. Grading-machine. No. 1,235,456; July 31; v. 240; p. 1400.
- Fost, Job W., Peabody, Kans. Ink-bottle stopper. No. 1,241,947; Oct. 2; v. 243; p. 152.
- Foster, Annie, Venice, Cal. Comb-cleaner. No. 1,216,977; Feb. 20; v. 235; p. 963.
- Foster Brothers Manufacturing Company. (See Foster, William B., assignor.)
- Foster Brothers Manufacturing Company. (See Foster, William B., assignor.)
- Foster Brothers Manufacturing Company. (See Frank, William E., assignor.)
- Foster, C. Sidney, et al. (See Goben, Orsinas O., assignor.)
- Foster, Charles H. (See Anderson, Carl E., assignor.)
- Foster, Charles H., St. Louis, Mo. Refrigerator drain-trap. No. 1,235,304; July 31; v. 240; p. 1357.
- Foster and Company, Charles B. (See Higinbotham, Arthur O., assignor.)
- Foster, Edward E., Beverly, Mass. Cam-path-generating machine. No. 1,248,471; Dec. 4; v. 245; p. 12.
- Foster, Ephraim A., Sandusky, Ohio. Spike. No. 1,248,301; Nov. 27; v. 244; p. 1025.
- Foster, Ernest D., Los Angeles, Cal., assignor, by mesne assignments, to United Air Spring Company of Arizona. Pneumatic spring. No. 1,242,431; Oct. 9; v. 243; p. 345.
- Foster, Ernest H., Dongan Hills, assignor to Power Specialty Company, New York, N. Y. Fuel-economizer. No. 1,239,377; Sept. 4; v. 242; p. 210.
- Foster, Eugene L., assignor to C. G. Conn, Elkhart, Ind. Calibrating and justifying parts of wind musical instruments. No. 1,210,629; Jan. 2; v. 234; p. 87.
- Foster, Frank B., Haverford, assignor to The Congoleum Company, Philadelphia, Pa. Rug and making same. No. 1,249,734; Dec. 11; v. 245; p. 408.
- Foster, Frank L., Cleveland, Ohio, assignor to The Philip Carey Mfg. Co. Composite roofing. No. 1,230,396; June 19; v. 239; p. 761.
- Foster, Freling C., Chicago, Ill. Self-inflating float. No. 1,247,809; Nov. 27; v. 244; p. 887.
- Foster, George A., Chicago, Ill. Device for preventing snoring. No. 1,218,679; Feb. 20; v. 235; p. 862.
- Foster, George W., Boston, Mass. Winding-machine. No. 1,228,424; June 5; v. 239; p. 17.
- Foster, George W., Providence, R. I. Yarn-package and winding same. No. 1,233,041; July 10; v. 240; p. 529.
- Foster, George W., Providence, R. I. Traverse mechanism for winding machines. No. 1,233,042; July 10; v. 240; p. 530.
- Foster, George W., Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Bobbin-magazine. No. 1,218,601; Mar. 6; v. 236; p. 246.
- Foster, John C. (See Elder, Joseph H., assignor.)
- Foster, John F., Garbers, Tenn. Railway-switch. No. 1,244,307; Oct. 23; v. 243; p. 994.
- Foster, John O. (See Sharp and Foster.)
- Foster, John P., Paia, Hawaii. Liquid fuel for internal-combustion engines. No. 1,248,302; Nov. 27; v. 244; p. 1025.
- Foster, J. J., et al. (See Clark, Stuart J., assignor.)
- Foster Machine Company. (See McKean, John O., assignor.)
- Foster, Marion F., Sutton, Nebr. Ship-saving device. No. 1,220,408; Mar. 27; v. 236; p. 984.
- Foster, Merriam & Company. (See Enquist, Arthur R., assignor.)
- Foster, Merriam & Company. (See Millard, Reginald W., assignor.)
- Foster, Orval B., assignor of one-half to F. W. Traylor, Fort Smith, Ark. Nut-lock. No. 1,218,072; Mar. 6; v. 236; p. 64.
- Foster, R. Jay, assignor to Jersey Cereal Food Company, Cereal, Pa. Cereal food. No. 1,211,126; Jan. 2; v. 234; p. 250.
- Foster, Roy M., et al. (See Shultz, Otto H., assignor.)
- Foster, Van Buren, Boyles, Ala. Journal-box. No. 1,224,730; May 1; v. 238; p. 219.
- Foster, William B., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Spring chair-seat. No. 1,215,790; Feb. 13; v. 235; p. 494.
- Foster, William B., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Bed-spring hanger. No. 1,224,158; May 1; v. 238; p. 14.
- Foster, William B., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Hammock. No. 1,248,838; Dec. 4; v. 245; p. 122.
- Foster, William B., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Auto-repair coaster. No. 1,249,735; Dec. 11; v. 245; p. 408.
- Foster, William H., Oilton, Okla. Strainer for pumps. No. 1,218,848; Mar. 13; v. 236; p. 375.
- Foster, William H., Bartlesville, Okla. Strainer. No. 1,229,437; June 12; v. 239; p. 407.
- Foster, William J., assignor to The Ohio Blower Company, Cleveland, Ohio. Conveying mechanism. No. 1,227,128; May 22; v. 238; p. 1163.
- Foster, William J., Jersey City, N. J., assignor to C. Green, Brooklyn, N. Y. Separable-leaf sample-book. No. 1,247,104; Nov. 20; v. 244; p. 650.
- Foster, William S., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Chain-tightener. No. 1,238,905; Sept. 4; v. 242; p. 60.
- Foster, Winfred C., New York, N. Y. War game. No. 1,245,096; Oct. 30; v. 243; p. 1270.
- Foster, Winifred S., San Francisco, Cal. Candy-package. No. 1,239,378; Sept. 4; v. 242; p. 210.
- Foster, Wolcott C., Rutherford, N. J., assignor to Staten Island Chemical Corporation, New York, N. Y. Regenerating permutits. No. 1,249,368; Dec. 11; v. 245; p. 303.
- Fotheringham, Robert M., Buffalo, N. Y. Feed-machine for surface-dressing. No. 1,249,608; Dec. 11; v. 245; p. 371.
- Fotheringill, John, Fort Scott, Kans. Stay-bolt. No. 1,244,308; Oct. 23; v. 243; p. 994.
- Fouch, James R., Los Angeles, Cal. Tractor device. No. 1,218,388; Mar. 6; v. 236; p. 174.
- Fougère, Angus, Cambridge, Mass. Gang-cutter. No. 1,218,389; Mar. 6; v. 236; p. 174.
- Fought, James R. (See Markee and Fought.)
- Foulds, Robert, Denver, Colo. Car-coupling. No. 1,242,787; Oct. 9; v. 243; p. 460.
- Foundation Company, The. (See Doty, John W., assignor.)
- Foundry Appliance Company, The. (See Frantz, Jerome N., assignor.)
- Foundry Equipment Company, The. (See Moore and Hawkins, assignors.)
- Fountain, Arthur, Pawhuska, Okla. Railway-tie. No. 1,212,930; Jan. 16; v. 234; p. 947.
- Fountain, Claude R., Athens, Ga. Transmission-gearing. No. 1,233,043; July 10; v. 240; p. 530.
- Fountain, Claude R., Athens, Ga. Automatic transmission-gearing. No. 1,239,379; Sept. 4; v. 242; p. 210.
- Four Wheel Drive Auto Co. (See Batenburg, Peter J. F., assignor.)
- Four Wheel Tractor Co. (See Stewart, Alexander, assignor.)
- Four Wheel Tractor Co. (See Stewart, Alexander and D. S., assignors.)
- Fournier, Minnie, Minong, Wis. Combined vegetable cooker and drainer. No. 1,224,731; May 1; v. 238; p. 220.
- Fouse, Christian and J., assignors of one-third to G. W. Carney, Parkersburg, W. Va. Rug-roller. No. 1,235,457; July 31; v. 240; p. 1401.
- Fouse, Herman, Akron, Ohio. False work for concrete construction. No. 1,220,083; Mar. 20; v. 236; p. 831.
- Fouse, Jacob. (See Fouse, Christian and J.)
- Foust, Raymond R., Clarksburg, W. Va. Ladder-joint. No. 1,227,901; May 29; v. 238; p. 1451.
- Fouts, John A., Osborne, Kans. Wire carrier and stretcher. No. 1,214,772; Feb. 6; v. 235; p. 101.
- Fouts, Taylor, Camden, Ind. Animal-feeding device. No. 1,233,213; July 10; v. 240; p. 536.
- Fowle, Charles L., Dowagiac, Mich. Grain-drill. No. 1,211,929; Jan. 9; v. 234; p. 569.
- Fowle, Frank F., Chicago, Ill. Insulator. No. 1,219,450; Mar. 20; v. 236; p. 610.
- Fowler, Alfred B., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Channel-guide mechanism for sewing-machines. No. 1,226,070; May 15; v. 238; p. 768.
- Fowler Car Company, The. (See Fowler, William E., Sr., assignor.)
- Fowler, Charles R., Philadelphia, Pa. Radiator-support. No. 1,224,916; May 8; v. 238; p. 334.
- Fowler, Charles W., Baltimore, Md. Two-cycle combustion-engine. No. 1,240,798; Sept. 18; v. 242; p. 721.
- Fowler, Christopher L., Clifton Station, Va. Envelop. No. 1,210,449; Jan. 2; v. 234; p. 25.
- Fowler, Clarence E., Toledo, Ohio. Steam-turbine. No. 1,225,424; May 8; v. 238; p. 507.
- Fowler Electrical Supply Company, The. (See Fowler, Harry R., assignor.)
- Fowler, Frank T. (See Talbot, William W., assignor.)
- Fowler, Harry R., assignor to The Fowler Electrical Supply Company, Toledo, Ohio. Safety-gate. No. 1,243,056; Oct. 16; v. 243; p. 581.

- Fowler, Harry R., assignor to The Fowler Electrical Supply Company, Toledo, Ohio. Control device. No. 1,250,157; Dec. 18; v. 245; p. 570.
- Fowler, Herbert E., administrator. (See Fowler, John W.)
- Fowler, James, Granite City, Ill. Automatic sheet-metal tank. No. 1,212,341; Jan. 16; v. 234; p. 742.
- Fowler, Jennie G., Salt Lake City, Utah. Lady's garment. No. 1,250,836; Dec. 18; v. 245; p. 774.
- Fowler, John H., Orbisonia, Pa. Safety-pin. No. 1,241,948; Oct. 2; v. 243; p. 153.
- Fowler, John W., deceased, Henniker, N. H.; H. E. Fowler, administrator. Milk-can. No. 1,222,279; Apr. 10; v. 237; p. 479.
- Fowler, Lloyd, South Britain, Conn. Valve-unseating clip for tire-valves. No. 1,240,040; Sept. 11; v. 242; p. 447.
- Fowler, Paul L., Ogden, Utah. Jar-holder and top-re-mover. No. 1,211,695; Jan. 9; v. 234; p. 484.
- Fowler, Robert L., *et al.* (See Forrest, Charles N., assignor.)
- Fowler, William E., Dixon, assignor of one-half to James T. Code, Springfield, Mo. Supplying fuel to internal-combustion engines. No. 1,238,997; Sept. 4; v. 242; p. 89.
- Fowler, William E., Sr., assignor to The Fowler Car Company, Chicago, Ill. Steel-sheathed box-car. No. 1,225,948; May 15; v. 238; p. 725.
- Fowler, William E., Sr., assignor to The Fowler Car Company, Chicago, Ill. Box-car. No. 1,234,324; July 24; v. 240; p. 1017.
- Fowler, William E., Sr., assignor to The Fowler Car Company, Chicago, Ill. Car-floor construction. No. 1,244,047; Oct. 23; v. 243; p. 916.
- Fowler & Wolfe Manufacturing Company. (See Mappett, Alfred S., assignor.)
- Fox, Alexander L., East St. Louis, Ill., assignor, by mesne assignments, to T. C. White Electrical Supply Company. Wire-hanger. No. 1,243,057; Oct. 16; v. 243; p. 581.
- Fox, Alice E. (See Jonson, Henriette W., assignor.)
- Fox, Anthony E., *et al.* (See Kain, William J., assignor.)
- Fox, Austen H., New York, and A. W. Lenderoth, Stapleton, N. Y. Permissive automatic train-stop. No. 1,223,685; Apr. 24; v. 237; p. 1042.
- Fox, Austen H., and A. W. Lenderoth, New York, N. Y. Apparatus for railway signaling. No. 1,229,055; June 5; v. 239; p. 228.
- Fox, Bert M., assignor to Grand Rapids Hand Screw Co., Grand Rapids, Mich. Knockdown table. No. 1,225,234; May 8; v. 238; p. 440.
- Fox, Catherine A., Chicago, Ill. Ventilating-closure for window-openings and the like. No. 1,249,369; Dec. 11; v. 245; p. 303.
- Fox, Charles H., Bakersfield, Cal. Internal-combustion power apparatus. No. 1,217,861; Feb. 27; v. 235; p. 1313.
- Fox, Daniel F. (See Van Giesen and Fox.)
- Fox, Edward G. B., assignor to The Franklin Electric Manufacturing Company, Hartford, Conn. Protector for incandescent lamps and the like. No. 1,225,425; May 8; v. 238; p. 507.
- Fox, Edwin M. (See Macmechen and Fox.)
- Fox, George B., Norwich, Conn. Shoe. No. 1,211,127; Jan. 2; v. 234; p. 256.
- Fox, Gordon, assignor to Mark Manufacturing Company, Chicago, Ill. Method and apparatus for electrically heating pipe-blanks. No. 1,227,603; May 29; v. 238; p. 1347.
- Fox, Gordon, and T. M. Jewett, Cleveland, Ohio; said Fox assignor to said Jewett. Signal device. No. 1,237,320; Aug. 21; v. 241; p. 646.
- Fox, Harlin L. (See Borland and Fox.)
- Fox, Harry B., Peru, Ind. Garment. No. 1,247,254; Nov. 20; v. 244; p. 693.
- Fox, Harry M. (See Tate, Wilhoit, and Fox.)
- Fox, Ivan, near Media, Pa. Auto-exercising apparatus. No. 1,240,191; Sept. 18; v. 242; p. 532.
- Fox, Jacob, New York, N. Y. Button. No. 1,218,542; Mar. 6; v. 236; p. 225.
- Fox, John, Wolseley, Saskatchewan, Canada. Grain-pickler. No. 1,218,250; Mar. 6; v. 236; p. 128.
- Fox, John F., Birmingham, Ala. Running-gear for mine-cars. No. 1,235,305; July 31; v. 240; p. 1357.
- Fox, John F., Birmingham, Ala. Car-axle. No. 1,249,370; Dec. 11; v. 245; p. 303.
- Fox, John H., Berea, Ohio. Educational device. No. 1,218,993; Mar. 13; v. 236; p. 424.
- Fox, John H., Berea, Ohio. Educational device. No. 1,240,556; Sept. 18; v. 242; p. 646.
- Fox, John J., Columbus, Ga. Grapple. No. 1,243,150; Oct. 16; v. 243; p. 608.
- Fox, Joseph P., Providence, R. I. Dirigible headlight. No. 1,240,695; Sept. 18; v. 242; p. 688.
- Fox, Joseph P., Providence, R. I., assignor of one-half to O. Riemann, Chemnitz, Germany. Dirigible headlight. (Reissue.) No. 14,366; Sept. 25; v. 242; p. 970.
- Fox, Michael G., Chicago, Ill. Wind-shield. No. 1,223,780; Apr. 24; v. 237; p. 1076.
- Fox, Michael E., R. L. Ryan, and C. M. Sawyer, Winston-Salem, N. C. Tire-tread. No. 1,235,458; July 31; v. 240; p. 1401.
- Fox, Otto, Lakewood, assignor to The Bryant Heater & Manufacturing Co., Cleveland, Ohio. Gas-shut-off valve. No. 1,233,659; July 17; v. 240; p. 768.
- Fox, Otto, Lakewood, assignor to The Bryant Heater & Manufacturing Co., Cleveland, Ohio. Feed-water control for boilers. No. 1,246,079; Nov. 13; v. 244; p. 309.
- Fox, Paul J., Washington, D. C. Extracting potash and alumina from alunite. No. 1,217,432; Feb. 27; v. 235; p. 1164.
- Fox, Ralph K., Northwood, Iowa. Extensible suspending-frame. No. 1,232,911; July 10; v. 240; p. 489.
- Fox, Ray S., Blue Earth, Minn. Stake-puller. No. 1,221,718; Apr. 3; v. 237; p. 248.
- Fox, Richard K., Colorado Springs, Colo. Extension piano-pedal. No. 1,226,494; May 15; v. 238; p. 910.
- Fox, Rudolph H., assignor to The Fafnir Bearing Company, New Britain, Conn. Ball-bearing. No. 1,213,089; Jan. 16; v. 234; p. 1002.
- Fox, Rudolph H., assignor to The Fafnir Bearing Company, New Britain, Conn. Ball-bearing. No. 1,213,090; Jan. 16; v. 234; p. 1003.
- Fox, Rudolph H., and E. D. House, assignors to The Fafnir Bearing Company, New Britain, Conn. Retainer for ball-bearings. No. 1,246,001; Nov. 6; v. 244; p. 255.
- Fox, William A., Greeley, Kans. Egg-tester. No. 1,210,738; Jan. 2; v. 234; p. 141.
- Fox, William C., Penns Grove, N. J. Wave-motor. No. 1,244,309; Oct. 23; v. 243; p. 994.
- Fox, William C., assignor of one-half to C. H. Gaffner, Seattle, Wash. Window-fastener. No. 1,222,942; Apr. 17; v. 237; p. 751.
- Fox, William H., Hollywood, Cal. Water-vaporizer for internal-combustion engines. No. 1,239,380; Sept. 4; v. 242; p. 211.
- Fox, William R., Grand Rapids, Mich. Attachment for multiple drills. No. 1,210,450; Jan. 2; v. 234; p. 25.
- Fox, William R., Grand Rapids, Mich. Drill. No. 1,212,472; Jan. 16; v. 234; p. 787.
- Fox, William R., Grand Rapids, Mich. Front-strike type-writing machine. No. 1,214,293; Jan. 30; v. 234; p. 1482.
- Fox, William R., Grand Rapids, Mich. Type-writing machine. No. 1,214,294; Jan. 30; v. 234; p. 1483.
- Fox, William R., Grand Rapids, Mich. Drill. No. 1,229,601; June 12; v. 239; p. 463.
- Fox, William R., Grand Rapids, Mich. Driving connection for drill-spindles. No. 1,234,455; July 24; v. 240; p. 1062.
- Fox, William R., Grand Rapids, Mich. Type-writing machine. No. 1,247,950; Nov. 27; v. 244; p. 926.
- Fox, William R., and E. W. Cleveland, Jackson, Mich.; said Cleveland assignor to said Fox. Multiple-spindle drilling-machine. No. 1,225,235; May 8; v. 238; p. 440.
- Foxboro Company, The. (See Bristol, Edgar H., assignor.)
- Fraad, Daniel, Brooklyn, N. Y. Fumigating device. No. 1,214,149; Jan. 30; v. 234; p. 1431.
- Frady, Walter E., Grenada, Miss. Boll-weevil collector. No. 1,220,213; Mar. 27; v. 236; p. 914.
- Fraim, Samuel R., Lancaster, Pa., assignor to The E. T. Fraim Lock Company. Padlock. No. 1,243,151; Oct. 16; v. 243; p. 608.
- Fraim, John W., and G. B. Bailey, Pittsburg, Kans. Tool for grinding valves and the like. No. 1,218,754; Mar. 13; v. 236; p. 339.
- Fraize, John A., Framingham, Mass. Spring-bed. No. 1,239,171; Sept. 4; v. 242; p. 144.
- Fram Automatic Furnace Company. (See Furuholmen, George, assignor.)
- Framburg, Henry A., Berwyn, assignor to H. A. Framburg & Company, Chicago, Ill. Supporting means for electric-light fixtures. No. 1,214,667; Feb. 6; v. 235; p. 65.
- Frame, Frank, *et al.* (See Chase, Newton D., assignor.)
- Frame, Horace E., Brooklyn, N. Y. Water-motor. No. 1,228,897; June 5; v. 239; p. 177.
- Frame, John, Searsports, Me. Mixer. No. 1,247,655; Nov. 27; v. 244; p. 840.
- France, Ervine H., Detroit, Mich. Direction-indicating apparatus for motor-vehicles. No. 1,222,379; Apr. 10; v. 237; p. 514.
- France, Jason G., Syracuse, N. Y. Wall-fastener. No. 1,210,451; Jan. 2; v. 234; p. 25.
- Franchini, Giovanni, and C. Bartolomee, San Francisco, Cal. Releasing device. No. 1,228,360; May 29; v. 238; p. 1602.
- Francis, Charles. (See Beregh, Theodore J., Jr., assignor.)
- Francis, Charles E., Holloway, London, assignor to Vickers Limited, Westminster, England. Sewing-machine. No. 1,241,949; Oct. 2; v. 243; p. 153.
- Francis, Daniel H., Grand Junction, Colo. Internal-combustion engine. No. 1,229,602; June 12; v. 239; p. 463.
- Francis, Daniel H., Grand Junction, Colo. Internal-combustion engine. No. 1,250,837; Dec. 18; v. 245; p. 774.
- Francis, George, Columbus, Ohio. Reclining-chair. No. 1,249,609; Dec. 11; v. 245; p. 371.
- Francis, Harry G., Rushville, Ind. Adhesive-spreader. No. 1,213,857; Jan. 30; v. 234; p. 1332.
- Francis, Hugh, assignor of one-fourth to G. E. Pettey and one-fourth to R. L. Davidson, Memphis, Tenn. Swing. No. 1,243,659; Oct. 16; v. 243; p. 761.

Alphabetical list of patentees—Continued.

- Francis, John C., Canton, Mass., assignor to Samson Electric Company. Signaling system. No. 1,239,381; Sept. 4; v. 242; p. 211.
- Francis, Omar J., Reading, Pa. Damper. No. 1,216,102; Feb. 13; v. 235; p. 608.
- Francis, William, Seattle, Wash. Pliers. No. 1,214,448; Jan. 30; v. 234; p. 1534.
- Francis, William H., Washington, D. C. Galley-lock. No. 1,210,923; Jan. 2; v. 234; p. 189.
- Francis, William H., Sr., *et al.* (See Flagg, Herman W., assignor.)
- Francis, William P., Atlanta, Ga. Masonry beam. No. 1,227,418; May 22; v. 238; p. 1256.
- Francisco, H. E. (See Skuttle, John L., assignor.)
- Francisco, Tony, Roslyn, Wash. Propeller for motor-boats, &c. No. 1,217,742; Feb. 27; v. 235; p. 1273.
- Francisco, Tony, South Cle Elum, Wash. Air-propeller. No. 1,242,788; Oct. 9; v. 243; p. 460.
- Frank, Emil J., Philadelphia, Pa. Knitting-machine. No. 1,216,302; Feb. 20; v. 235; p. 730.
- Frank, Emil J., Philadelphia, Pa. Knitting-machine. No. 1,218,073; Mar. 6; v. 236; p. 64.
- Frankce Company. (See Francke, William J., assignor.)
- Francke, William J., Highland Park, N. J. Flexible coupling. No. 1,223,951; Apr. 24; v. 237; p. 1133.
- Francke, William J., Highland Park, assignor to Francke Company, New Brunswick, N. J. Flexible coupling. No. 1,245,695; Nov. 6; v. 244; p. 168.
- Francke, William J., Highland Park, assignor to The Francke Company, New Brunswick, N. J. Flexible coupling. No. 1,245,696; Nov. 6; v. 244; p. 168.
- Franckens, Hermann, Bremen, Germany. Double-acting spring-hinge for doors. No. 1,220,084; Mar. 20; v. 236; p. 831.
- Frank Adam Electric Company. (See Adam, Frederick B., assignor.)
- Frank Adam Electric Company. (See Johanningmyer, Harry F., assignor.)
- Frank Adam Electric Company. (See Wuensch, Charles, assignor.)
- Frank B. Cook Company. (See Cook, Frank B., assignor.)
- Frank B. Cook Company. (See Johnson, Morton L., assignor.)
- Frank Felix, Berkeley, Cal. Disinfecting and ventilating device. No. 1,239,584; Sept. 11; v. 242; p. 304.
- Frank, Frederick C., Weiser, Idaho. Car-door lock. No. 1,250,838; Dec. 18; v. 245; p. 774.
- Frank, Gustav, assignor of one-half to M. J. Whelan, Jefferson, Tex. Switch-lock for motor-vehicles. No. 1,216,559; Feb. 20; v. 235; p. 821.
- Frank, Harry A., Toledo, Ohio. Folding table. No. 1,240,962; Sept. 25; v. 242; p. 805.
- Frank, Harry A., Toledo, Ohio. Folding table. No. 1,240,963; Sept. 25; v. 242; p. 805.
- Frank, Harry A., Toledo, Ohio. Folding table. No. 1,240,964; Sept. 25; v. 242; p. 806.
- Frank, Herbert L. (See Lambert, Howard J., assignor.)
- Frank, Herman, assignor of one-half to J. F. Rutz, Chicago, Ill. Flash-igniter for gas-burners. No. 1,240,835; Sept. 25; v. 242; p. 766.
- Frank, Holmes A. (See Brotherston, Alexander M., assignor.)
- Frank Holton & Company. (See Holton, Frank, assignor.)
- Frank J. Kimball Company. (See Kimball, Frank J., assignor.)
- Frank, John P. (See Carroll and Frank.)
- Frank, John W., Milo, Iowa. Tank. No. 1,235,128; July 31; v. 240; p. 1304.
- Frank, Joseph, New York, N. Y. Duplicating and addressing machine. No. 1,226,495; May 15; v. 238; p. 911.
- Frank Kremenetz Company. (See Kremenetz, Frank J., assignor.)
- Frank & Lambert. (See Loomis, Harry T., assignor.)
- Frank, Louis, assignor to Greenpoint Metallic Bed Company, Brooklyn, N. Y. Corner-fastening for metal beds and the like. No. 1,228,898; June 5; v. 239; p. 178.
- Frank, Louis, Brooklyn, and J. Cooper, New York, assignors to Greenpoint Metallic Bed Company, Brooklyn, N. Y. Metallic bedstead. No. 1,210,924; Jan. 2; v. 234; p. 189.
- Frank, Maxwell C., Piedmont, Cal. Electric push-button. No. 1,235,788; Aug. 7; v. 241; p. 84.
- Frank, Maxwell C., Piedmont, Cal. Illuminated switch-button. No. 1,246,080; Nov. 13; v. 244; p. 310.
- Frank, Oscar E., Cleveland, Ohio. Stopper-extractor. No. 1,235,195; July 31; v. 240; p. 1324.
- Frank Prox Co. (See Prox, Herman C., assignor.)
- Frank Ridlon Company. (See Anderson, Robert D. H., assignor.)
- Frank, Simon M., St. Louis, Mo. Neckwear and making the same. No. 1,215,319; Feb. 6; v. 235; p. 292.
- Frank, William, St. Louis, Mo. Machine for treating cinematograph-films. No. 1,211,429; Jan. 9; v. 234; p. 395.
- Frank, William E., assignor to Foster Brothers Manufacturing Company, St. Louis, Mo. Spiral bed-spring. No. 1,245,209; Nov. 6; v. 244; p. 20.
- Frank, William E., assignor to Foster Brothers Manufacturing Company, St. Louis, Mo. Spiral bed-spring and similar structure. No. 1,245,210; Nov. 6; v. 244; p. 21.
- Frank, William E., assignor to Foster Brothers Manufacturing Company, St. Louis, Mo. Bed and similar article. No. 1,245,211; Nov. 6; v. 244; p. 21.
- Frank, William P., Chicago, Ill. Tube-bending machine. No. 1,225,426; May 8; v. 238; p. 507.
- Franke & Co., Fred. (See Franke, Ferdinand, assignor.)
- Franke, Ferdinand, Port Fulton, assignor to F. Franke & Co., Louisville, Ky. Bat-forming machine. No. 1,243,058; Oct. 16; v. 243; p. 582.
- Franke, Hans, Wilsdorf, near Bodenbach, assignor of ninety one-hundredths to A. Redlick, Vienna, Austria. Treating tanning substances soluble with difficulty contained in crude quebracho liquors. No. 1,241,950; Oct. 2; v. 243; p. 153.
- Frankenberger, Albert L., Bloomington, Ill. Moistener-tank for heaters. No. 1,222,380; Apr. 10; v. 237; p. 514.
- Frankenberger, Albert L., Bloomington, Ill. Banana heater and ripener. No. 1,232,270; July 3; v. 240; p. 246.
- Frankel Connector Company. (See Frankel, Harry, assignor.)
- Frankel, Edward T., New York, N. Y. Talking-machine record. No. 1,222,381; Apr. 10; v. 237; p. 514.
- Frankel, Harry, assignor to Frankel Connector Company, Inc., New York, N. Y. Electrical connector. No. 1,211,128; Jan. 2; v. 234; p. 257.
- Frankel, Harry, assignor to Frankel Connector Company, Inc., New York, N. Y. Extension attachment for testing-clips. No. 1,221,524; Apr. 3; v. 237; p. 184.
- Frankell, August J., New York, N. Y. Gripping-tool. No. 1,221,042; Apr. 3; v. 237; p. 13.
- Frankenstein, Arthur, New York, N. Y. Garment-supporter. No. 1,242,932; Oct. 16; v. 243; p. 540.
- Frankfurt, Ernest, Omaha, Nebr. Collapsible poultry-crate. No. 1,210,452; Jan. 2; v. 234; p. 25.
- Frankl, Minnie. (See Block, Louis, assignor.)
- Frankland, Alexander J., Tropicco, assignor to L. D. Jacoby, Los Angeles, Cal. Means for making paper spoons. No. 1,227,534; May 22; v. 238; p. 1296.
- Franklin Auto Peanut Blanching Co. (See Franklin, Joseph A., assignor.)
- Franklin, Benjamin, assignor to Security Window Guard Company, Chicago, Ill. Window-guard. No. 1,239,473; Sept. 11; v. 242; p. 269.
- Franklin, Edward A., Austin, Tex. Silo-chute. No. 1,217,743; Feb. 27; v. 235; p. 1274.
- Franklin Electric Manufacturing Company, The. (See Fox, Edward G. B., assignor.)
- Franklin, Emlen A., Fort Morgan, Colo. Match-box. No. 1,216,978; Feb. 20; v. 235; p. 964.
- Franklin Gas Turbine Company. (See Nance, James W., assignor.)
- Franklin, Henry L., and C. C. Bragg, Huntington, W. Va. Oven-shelf. No. 1,244,440; Oct. 23; v. 243; p. 1033.
- Franklin, Hubert F. (See Weiss and Franklin.)
- Franklin, Joseph A., assignor to Franklin Auto Peanut Blanching Co., Chicago, Ill. Peanut-blanching machine. No. 1,228,103; May 29; v. 238; p. 1520.
- Franklin Machine Company. (See Macready, George P., assignor.)
- Franklin Railway Supply Company. (See Elvin, Albert G., assignor.)
- Franklin Railway Supply Company. (See Mohun, John L., assignor.)
- Franklin, William H. (See Dougherty and Franklin.)
- Franklin, William H., Red Lodge, Mont. Power washing-machine. No. 1,211,129; Jan. 2; v. 234; p. 257.
- Frankman, Olof, Marieberg, Sweden. Machine for cutting off the tops of beets and the like. No. 1,212,931; Jan. 16; v. 234; p. 948.
- Franks, George, and O. Sproessig, New York, N. Y. Steamer, cleaner, and presser. No. 1,218,639; Mar. 13; v. 236; p. 296.
- Franks, Helen C. M., Brooklyn, N. Y. Preserving fruits and vegetables fresh. No. 1,232,271; July 3; v. 240; p. 246.
- Fransmann, Philip, Freehold, N. J. Tea-kettle cover. No. 1,248,472; Dec. 4; v. 245; p. 13.
- Fransosi, Antonio, assignor of one-half to G. A. Sheltra, Providence, R. I. Micrometer-caliper. No. 1,216,680; Feb. 20; v. 235; p. 862.
- Fransson, Sven W., Brooklyn, N. Y. Combination digging-tool. No. 1,250,839; Dec. 18; v. 245; p. 774.
- Frantz, Charles T., assignor to F. P. Gorin, Chicago, Ill. Type-writing machine. (Reissue.) No. 14,407; Dec. 11; v. 245; p. 520.
- Frantz, Charles T., assignor to F. P. Gorin, Chicago, Ill. Type-writing machine. (Reissue.) No. 14,408; Dec. 11; v. 245; p. 524.
- Frantz, Ezra A., assignor to Frantz Standard Buckle Co., Weatherford, Tex. Bale-tie buckle. No. 1,219,283; Mar. 13; v. 236; p. 521.
- Frantz, Jerome N., assignor to The Foundry Appliance Company, Newark, N. J. Molding-machine. No. 1,227,773; May 29; v. 238; p. 1407.
- Frantz Manufacturing Co. (See Frantz, Peter, assignor.)
- Frantz, Peter, assignor to Frantz Manufacturing Co., Sterling, Ill. Car-door construction. No. 1,228,013; May 29; v. 238; p. 1489.
- Frantz, Peter, assignor to Frantz Manufacturing Co., Sterling, Ill. Car-door weather-strip construction. No. 1,228,548; June 5; v. 239; p. 59.
- Frantz Standard Buckle Co. (See Frantz, Ezra A., assignor.)
- Franz, Charles F., Richville, Minn. Combination screen and storm door. No. 1,242,789; Oct. 9; v. 243; p. 461.

- Franz, Ferdinand. (See Thompson, Luther C., assignor.)
 Franz, Frank. (See Franz, Joseph and F.)
 Franz, Gustav A., Jackson, Mich. Mattress or the like. No. 1,213,858; Jan. 30; v. 234; p. 1332.
 Franz, Joseph and F., Wallace, Idaho. Ore classifying and sizing mechanism. No. 1,230,697; June 19; v. 239; p. 862.
 Franz, Robert S., Etna, Pa. Brake attachment for motor-vehicles. No. 1,219,713; Mar. 20; v. 236; p. 703.
 Frautzen, Ernst, Chicago, Ill. Furniture-caster. No. 1,224,294; May 1; v. 238; p. 65.
 Frautzen, Gustave E. (See Johnson and Frautzen.)
 Frasch, Hans A., New York, N. Y. Method of and apparatus for distilling hydrocarbons. No. 1,212,620; Jan. 16; v. 234; p. 840.
 Frascolla, Arthur J., New York, N. Y. Auto-light dimmer. No. 1,244,441; Oct. 23; v. 243; p. 1033.
 Fraser, Alexander S., Cairo, Ill. Wheel construction. No. 1,236,921; Aug. 14; v. 241; p. 481.
 Fraser, Alexander T., Butte, Mont. Pump. No. 1,246,253; Nov. 13; v. 244; p. 361.
 Fraser, Charles A., and F. M. Henry, assignors of one-third to C. K. Spears, Minneapolis, Minn. Melting-pot. No. 1,226,496; May 15; v. 238; p. 911.
 Fraser, Daniel M., Toronto, Ontario, Canada. Pipe-fitting. No. 1,225,795; May 15; v. 238; p. 674.
 Fraser, Ethelbert M., Yonkers, N. Y., assignor to General Elevator Company, Jersey City, N. J. Electric elevator system. No. 1,237,321; Aug. 21; v. 241; p. 647.
 Fraser, George H., Brooklyn, N. Y. Rock crushing or grinding machinery. No. 1,220,155; Mar. 20; v. 236; p. 860.
 Fraser, George H., Brooklyn, N. Y. Crushing machinery. No. 1,220,156; Mar. 20; v. 236; p. 860.
 Fraser, George H., Brooklyn, N. Y. Crushing-machine. No. 1,220,157; Mar. 20; v. 236; p. 861.
 Fraser, George H., Brooklyn, N. Y. Machine for crushing or grinding. No. 1,222,382; Apr. 10; v. 237; p. 515.
 Fraser, George H., Brooklyn, N. Y. Machine for crushing or grinding. No. 1,222,383; Apr. 10; v. 237; p. 515.
 Fraser, George H., Brooklyn, N. Y. Machine for crushing or grinding. No. 1,222,384; Apr. 10; v. 237; p. 515.
 Fraser, George H., Brooklyn, N. Y. Machine for crushing or grinding. No. 1,222,385; Apr. 10; v. 237; p. 515.
 Fraser, Horatio N., assignor to The Fraser Tablet Company, Brooklyn, N. Y. Tablet. No. 1,243,501; Oct. 16; v. 243; p. 713.
 Fraser, John A., assignor to Kawneer Manufacturing Company, Niles, Mich. Metal-forming machine. No. 1,227,604; May 29; v. 238; p. 1347.
 Fraser Tablet Company, The. (See Fraser, Horatio N., assignor.)
 Fraser, Warren E., Boston, Mass. Cleat. No. 1,231,725; July 3; v. 240; p. 65.
 Fraser, Warren E., Dorchester, Mass. Tool-driver. No. 1,242,933; Oct. 16; v. 243; p. 540.
 Frateschi, Joseph, Ogdensburg, N. Y. Gun-carriage. No. 1,211,130; Jan. 2; v. 234; p. 257.
 Fraudsen, Theodor. (See Atkins and Fraudsen.)
 Frauenheim, Joseph A., assignor to Kerner Manufacturing Company, Pittsburgh, Pa. Apparatus for making compound twisted bolts. No. 1,226,497; May 15; v. 238; p. 911.
 Frauenheim, Joseph A., assignor to Kerner Manufacturing Company, Pittsburgh, Pa. Manufacturing composite bolts. No. 1,228,198; May 29; v. 238; p. 1548.
 Frauenheim, Joseph A., assignor to Kerner Manufacturing Company, Pittsburgh, Pa. Bolt. No. 1,228,199; May 29; v. 238; p. 1549.
 Frauenthal, B. W., et al. (See Bentley, Frederick E., assignor.)
 Frauhm, Charles N., Wallingford, Conn. Bearing for automobile-hubs. No. 1,243,929; Oct. 23; v. 243; p. 880.
 Fravel, Charles G., Gahanna, Ohio. Shock or bundle tier. No. 1,230,397; June 19; v. 239; p. 761.
 Fravel, Glen E., Prosser, Wash. Truck. No. 1,248,839; Dec. 4; v. 245; p. 123.
 Frawley, Richard M. (See McDaniel and Frawley.)
 Frazee, Elmer A., Chicago, Ill. Straw-braid reel. No. 1,238,281; Aug. 28; v. 241; p. 988.
 Frazee, Louis L. (See Barber and Frazee.)
 Frazer, Charles R., San Francisco, Cal. Exhaust auxiliary for explosion-engines. No. 1,244,442; Oct. 23; v. 243; p. 1033.
 Frazer, George N., Jr. (See Farmer, Frazer, and Farmer.)
 Frazer, Ottwell, Cynthiana, Ky. Record-keeping device. No. 1,243,726; Oct. 23; v. 243; p. 816.
 Frazer, Ray. (See Robertson and Frazer.)
 Frazer, Walter L., San Diego, Cal. Valve-guard. No. 1,229,928; June 12; v. 239; p. 571.
 Frazier, Clem, and J. Ashmore, Bliggs, Ill. Inflation-valve. No. 1,232,272; July 3; v. 240; p. 246.
 Frazier, Henry G., Crafton, Pa. Puzzle. No. 1,235,966; Aug. 7; v. 241; p. 143.
 Frazier, Luther, Anthony, Kans. Harness-ring. No. 1,221,525; Apr. 3; v. 237; p. 184.
 Frazier, Philip L., Rockbury, Conn. Milk-can handle. No. 1,243,278; Oct. 16; v. 243; p. 646.
 Frazier, Walter W., Philipp, Miss. Nut-lock. No. 1,216,431; Feb. 20; v. 235; p. 777.
 Frazure, Isaac N., St. Petersburg, assignor of one-third to F. W. Covey, Tampa, Fla. Sewing-machine attachment. No. 1,225,236; May 8; v. 238; p. 441.
 Freborg, Charles, Kankakee, Ill. Brake for player-piano rolls. No. 1,234,325; July 24; v. 240; p. 1018.
 Freborg, Charles, Kankakee, assignor to Price and Teeple Piano Company, Chicago, Ill. Pneumatic player. No. 1,233,336; July 17; v. 240; p. 660.
 Frech, Howard S., Brooklyn, N. Y. Internal-combustion engine. No. 1,229,438; June 12; v. 239; p. 407.
 Frech, Theodore W., Jr., and J. T. Fagan, Cleveland, Ohio, assignors to General Electric Company. Filament-support-wire-inserting machine. No. 1,220,836; Mar. 27; v. 236; p. 1132.
 Fr  chette, Ferdinand, Notre Dame de Charny, Quebec, Canada. Grate-bar. No. 1,224,159; May 1; v. 238; p. 14.
 Freck, Harry M., Columbus, Ohio. Printing, duplicating, and addressing machine. No. 1,228,425; June 5; v. 239; p. 13.
 Fred Hess Company. (See Hess, Frederick, assignor.)
 Fred L. Waldron, Limited. (See Armstrong, John J., assignor.)
 Fred Pearson & Company. (See Kaufman, Harry and F. M., assignors.)
 Fred Rueping Leather Company. (See Rueping, William H., assignor.)
 Freda, Benedetto. (See Ricciardelli, Fiore, assignor.)
 Frede, Charles E., assignor to Commonwealth Steel Company, St. Louis, Mo. Metal-planing machine. No. 1,215,514; Feb. 13; v. 235; p. 395.
 Frederick, Carl K., Detroit, Mich. Coal-car guard. No. 1,221,434; Apr. 3; v. 237; p. 152.
 Frederick, Claude, Salisbury, N. C. Mop. No. 1,245,697; Nov. 6; v. 244; p. 169.
 Frederick, Harry A., New Rochelle, N. Y. Carbureting apparatus. No. 1,237,190; Aug. 14; v. 241; p. 565.
 Frederick, Isaac M., Perkassie, Pa. Toy swing. No. 1,211,930; Jan. 9; v. 234; p. 570.
 Frederick, Joseph M., Baltimore, Md., assignor, by mesne assignments, to Universal Can Corporation. Can-sealing machine. No. 1,232,273; July 3; v. 240; p. 247.
 Frederick, Louis T., and L. McCulloch, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Magnetic material. No. 1,231,588; July 3; v. 240; p. 16.
 Frederick Osann Company, The. (See Lyons, Robert L., assignor.)
 Frederick Osann Company. (See Plumley, Raymond L., assignor.)
 Frederick Osann Company. (See Sibbald, Charles J., assignor.)
 Frederick Sage & Company. (See Feary, Neville A. T. N., assignor.)
 Frederick, Walter. (See Colgan and Frederick.)
 Frederick, Willard E., Pasadena, Cal. Dispensing device. No. 1,226,498; May 15; v. 238; p. 912.
 Frederick, William A., assignor to Twin-Rim Company, Boston, Mass. Steering-aid attachment for motor-vehicles. No. 1,212,160; Jan. 9; v. 234; p. 647.
 Fredericks, William L., Minneapolis, Minn. Bed-rail coupling. No. 1,240,696; Sept. 18; v. 242; p. 689.
 Fredericks, William L., assignor to Minneapolis Bedding Company, Minneapolis, Minn. Bed-frame. No. 1,240,697; Sept. 18; v. 242; p. 689.
 Fredericksen, Arthur L. (See Henrikson and Fredericksen.)
 Fredericksen, C. J., et al. (See Lange, John, Jr., assignor.)
 Fredericksen, Clayton E., Chicago, Ill. Internal-combustion engine. No. 1,232,524; July 10; v. 240; p. 362.
 Fredericksen, Jennie J., Springfield, Minn. Coin and pen holder. No. 1,218,849; Mar. 13; v. 236; p. 375.
 Fredrick, Henry, Newark, N. J. Balancing toy. No. 1,235,306; July 31; v. 240; p. 1358.
 Fredrick, John E. (See Dwigins, John W., assignor.)
 Fredrikson, John. (See Nickelson and Fredrikson.)
 Fredriksson, Nils, Svedala, Sweden. Apparatus for cutting bricks and the like from continually-fed material. No. 1,214,668; Feb. 6; v. 235; p. 66.
 Free, Albert V. (See Eaton and Free.)
 Free, Henry T. (See Thompson and Free.)
 Free, John H., Portland, Oreg. Saw. No. 1,240,331; Sept. 18; v. 242; p. 577.
 Free, Leonard H. (See Lubbe and Free.)
 Free, William C., Rockford, Ill. Feed mechanism for sewing-machines. No. 1,237,322; Aug. 21; v. 241; p. 647.
 Free, William C., Rockford, Ill. Sewing-machine. No. 1,245,212; Nov. 6; v. 244; p. 21.
 Freeberg, Martin R., Minneapolis, Minn. Clothes-line clamp. No. 1,249,371; Dec. 11; v. 245; p. 303.
 Freed, Adolph, Highwood, Mont. Combined flash-light and toilet article. No. 1,216,979; Feb. 20; v. 235; p. 904.
 Freed, George F. (See Hindman and Freed.)
 Freedman, Benjamin H., New York, N. Y. Trousers-supporter. No. 1,243,828; Oct. 23; v. 243; p. 850.
 Freedman, Fred. (See Freedman, Sam and F.)
 Freedman, Hyman and N. M., assignors to Davenport Bed Company, Chicago, Ill. Folding spring-mattress. No. 1,246,254; Nov. 13; v. 244; p. 362.
 Freedman, Louis, New York, N. Y. Monogram attachment for watch-fobs, belts, and the like. No. 1,219,284; Mar. 13; v. 236; p. 521.
 Freedman, Louis A., New York, N. Y. Removable seat for automobiles. No. 1,210,780; Jan. 2; v. 234; p. 142.
 Freedman, Nathan M. (See Freedman, Hyman and N. M.)

Alphabetical list of patentees—Continued.

- Freedman, Sam and F., Chelsea, Mass. Ventilated rain-coat. No. 1,223,863; Apr. 24; v. 237; p. 1104.
- Freehafer, Homer L., Denver, Colo. Vehicle-signal. No. 1,243,279; Oct. 16; v. 243; p. 647.
- Freeland, George W., Moline, Ill., assignor to Williams, White and Company. Apparatus for delivering coal and other materials. No. 1,248,473; Dec. 4; v. 245; p. 13.
- Freeland, Lloyd D., Halbrite, Saskatchewan, Canada, assignor to W. J. H. Strong, Chicago, Ill. Roller-bearing. No. 1,251,004; Dec. 25; v. 245; p. 873.
- Freeman, Allan A., New York, N. Y. Testing and indicating paper and making same. No. 1,216,303; Feb. 20; v. 235; p. 731.
- Freeman, Allan A., New York, N. Y. Acid and alkali testing and indicating device. No. 1,238,123; Aug. 28; v. 241; p. 936.
- Freeman, Arthur C., Jr., Norfolk, Va. Aerotransit. No. 1,214,150; Jan. 30; v. 234; p. 1431.
- Freeman, Arthur C., Jr., Norfolk, Va. Glare-shield for automobiles. No. 1,225,608; May 8; v. 238; p. 569.
- Freeman, Arthur C., Jr., Norfolk, Va. Soil-pipe germ-trap. No. 1,230,473; June 19; v. 239; p. 788.
- Freeman, Benjamin F., Long Island City, N. Y. Receptacle-closure. No. 1,220,085; Mar. 20; v. 236; p. 831.
- Freeman, Charles F., trustee. (See Freeman, Louis G., assignor.)
- Freeman, Edgar H., Trenton, N. J., assignor to E. H. Freeman Electric Company. Candelabrum-socket. No. 1,245,326; Nov. 6; v. 244; p. 55.
- Freeman, Franklyn S., et al. (See Morris, Robert B., assignor.)
- Freeman, George L., assignor of one-half to R. F. Hayes, Ticonderoga, N. Y. Spark-plug. No. 1,230,287; June 19; v. 239; p. 727.
- Freeman, J. B. (See Dobbins, George, assignor.)
- Freeman, James B., Los Angeles, Cal. Concentrator. No. 1,232,783; July 10; v. 240; p. 447.
- Freeman, Joseph W., assignor of forty-nine one-hundredths to A. Cuthbertson, Jr., Columbus, Ohio. Tractor. No. 1,217,293; Feb. 27; v. 235; p. 1115.
- Freeman, Ladbroke H., assignor to The Guggenheim Laundry Machinery Company, Cleveland, Ohio. Ironing-press. No. 1,220,619; Mar. 27; v. 236; p. 1057.
- Freeman, Ladbroke H., assignor to The Guggenheim Laundry Machinery Company, Cleveland, Ohio. Laundry-machine. No. 1,220,620; Mar. 27; v. 236; p. 1057.
- Freeman, Louis G., assignor to himself and C. F. Freeman, trustees, Cincinnati, Ohio. Tack pulling and redriving machine. No. 1,214,908; Feb. 6; v. 235; p. 143.
- Freeman, Louis G., assignor to himself and C. F. Freeman, trustees, Cincinnati, Ohio. Heel-breast-scouring machine. No. 1,244,310; Oct. 23; v. 243; p. 995.
- Freeman, Lowell C., Detroit, Mich. Transmission mechanism for automobiles. No. 1,223,333; Apr. 17; v. 237; p. 882.
- Freeman, Malon E., Colby, Kans. Pipe-wrench. No. 1,225,024; May 8; v. 238; p. 370.
- Freeman, Milton T., (See Shipp, James T., assignor.)
- Freeman, Oscar A., Bay City, Mich. Car-stake. No. 1,245,327; Nov. 6; v. 244; p. 56.
- Freeman, Richard J., assignor of one-half to A. May, Jr., Yoakum, Tex. Door operating and locking means. No. 1,212,043; Jan. 9; v. 234; p. 607.
- Freeman, Rufus A., Flushing, N. Y., assignor to The Autopress Comp'y. Sheet-feeding mechanism. No. 1,235,562; Aug. 7; v. 241; p. 10.
- Freeman, Victor E., Long Beach, and L. P. Whitaker, New York, N. Y. Mechanism for gripping and carrying grain-stalks. No. 1,228,200; May 29; v. 238; p. 1549.
- Freeman, Walter K., Oscewana, N. Y. Apparatus for harvesting the constituents of wood and vegetable substances, distilling and purifying them. No. 1,231,247; June 26; v. 239; p. 1086.
- Freeman, Walter K., New York, N. Y. Ethylene-generator. No. 1,233,566; July 17; v. 240; p. 739.
- Freeman, Willard S., Richmond, Va. Laundry-book. No. 1,240,698; Sept. 18; v. 242; p. 689.
- Freeman, William. (See Craig and Freeman.)
- Freeman, Wood, Tacoma, Wash. Method and apparatus for pulverizing molten materials. No. 1,245,328; Nov. 6; v. 244; p. 56.
- Frecon, Henry J., Santa Maria, Cal. Underreaming-bit. No. 1,220,739; Mar. 27; v. 236; p. 1098.
- Freer, Phelps M., Detroit, Mich. Means for connecting retarding devices. No. 1,213,797; Jan. 23; v. 234; p. 1281.
- Freese, Claude H., Los Angeles, Cal. Deodorizing device. No. 1,211,306; Jan. 2; v. 234; p. 319.
- Freese, Herman W., assignor, by mesne assignments, to C. A. Waldron, trustee, Chicago, Ill. Hydraulic jack. No. 1,212,757; Jan. 16; v. 234; p. 891.
- Freese, Robert E. L., Fayette, Mo. Fence-stretcher. No. 1,224,627; May 1; v. 238; p. 182.
- Freeze, Johnathan R., Middletown, Ohio, assignor to The American Rolling Mill Company, Newark, N. J. Metallic grate. No. 1,212,758; Jan. 16; v. 234; p. 891.
- Freeze, Johnathan R., Middletown, Ohio, assignor to The American Rolling Mill Company, Newark, N. J. Metallic grate. No. 1,225,025; May 8; v. 238; p. 370.
- Freeze, Johnathan R., assignor, by mesne assignments, to The American Rolling Mill Company, Middletown, Ohio. Silo-door. No. 1,243,829; Oct. 23; v. 243; p. 850.
- Freihofer, Charles, Philadelphia, Pa. Steam-boiler furnace. No. 1,244,311; Oct. 23; v. 243; p. 995.
- Freihofer, Charles F., Philadelphia, Pa. Vehicle suspension. No. 1,244,312; Oct. 23; v. 243; p. 996.
- Freimuth, Hugo. (See Holmgren, Gustaf E., assignor.)
- Freitag, Max, Alfeld, Germany. Machine for punching and setting fasteners in paper. No. 1,239,382; Sept. 4; v. 242; p. 211.
- Freixas, Melchor H., Brooklyn, N. Y. Electric-lamp receptacle. No. 1,229,056; June 5; v. 239; p. 228.
- Frej, John, New York, N. Y. Horseshoe. No. 1,234,747; July 31; v. 240; p. 1187.
- Frelinghuysen, George G., Morris county, N. J., assignor to Steel Utilities, Incorporated. Metal-working machine. No. 1,241,265; Sept. 25; v. 242; p. 902.
- Fremaux, Edward C., Rayne, La. Swing. No. 1,241,951; Oct. 2; v. 243; p. 153.
- French, Alfred W., Piqua, Ohio. Grain-drier. No. 1,219,816; Mar. 20; v. 236; p. 738.
- French, Charles B. (See Neafie and French.)
- French, Charles L., Cambridge, Mass. Tubular conduit. No. 1,223,864; Apr. 24; v. 237; p. 1104.
- French, Clarence, assignor of one-half to H. S. Fleagle, Fernald, Iowa. Grain-door for cars. No. 1,241,841; Oct. 2; v. 243; p. 119.
- French, Cyrus A., et al. (See Willard, George W., assignor.)
- French, Edward H., Smethport, Pa. Centrifugal separator. No. 1,212,473; Jan. 16; v. 234; p. 787.
- French, Franklin E., Princeton, assignor of one-half to O. M. Case, Ottwell, Ind. Metallic railway-tie. No. 1,213,612; Jan. 23; v. 234; p. 1219.
- French, George B. (See Roehrich, Frank N., assignor.)
- French, George M. (See Pavey and French.)
- French, George W., Jr., Danvers, Mass. Cloth-distributor. No. 1,232,017; July 3; v. 240; p. 162.
- French, Gus H., Waterloo, Iowa. Dosing device for animals. No. 1,241,952; Oct. 2; v. 243; p. 154.
- French, Guy D., Dinsdale, Iowa. Traveling conveyor. No. 1,247,388; Nov. 20; v. 244; p. 730.
- French, Harry C., Ontwa township, Cass county, Mich. Ice-cream can or container. No. 1,218,640; Mar. 13; v. 236; p. 297.
- French, Harry F. (See Benner and French.)
- French, Harry F., Fremont, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Electric battery. No. 1,251,005; Dec. 25; v. 245; p. 874.
- French & Hecht. (See Einfeldt, Ernest E., assignor.)
- French, James C., Kenosha, Wis., assignor to F. C. Austin, Chicago, Ill. Trenching-machine. No. 1,210,463; Jan. 2; v. 234; p. 26.
- French, James C., Kenosha, Wis., assignor to F. C. Austin, Chicago, Ill. Tunneling-machine. No. 1,210,925; Jan. 2; v. 234; p. 189.
- French, James C., Kenosha, Wis., assignor to F. C. Austin, Chicago, Ill. Wheel-excavator. No. 1,215,791; Feb. 13; v. 235; p. 495.
- French, James C., Kenosha, Wis., assignor to F. C. Austin, Chicago, Ill. Traveling-bucket apparatus. No. 1,231,589; July 3; v. 240; p. 17.
- French, James C., Kenosha, Wis., assignor to F. C. Austin, Chicago, Ill. Trenching-machine. No. 1,239,474; Sept. 11; v. 242; p. 269.
- French, James C., Kenosha, Wis., assignor to F. C. Austin, Chicago, Ill. Oscillating trench-machine. No. 1,239,897; Sept. 11; v. 242; p. 405.
- French, James C., Kenosha, Wis., assignor to F. C. Austin, Chicago, Ill. Traveling-bucket apparatus. No. 1,241,476; Sept. 25; v. 242; p. 965.
- French, James C., Kenosha, Wis., assignor to F. C. Austin, Chicago, Ill. Clam-shell-bucket apparatus. No. 1,246,578; Nov. 13; v. 244; p. 461.
- French, James R., Lomax, Ill. Piston-rod. No. 1,218,074; Mar. 6; v. 236; p. 65.
- French, James R., Lomax, assignor of one-half to E. G. Carter, Dallas City, Ill. Engine-piston ring. No. 1,251,212; Dec. 25; v. 245; p. 933.
- French, Louis O., Milwaukee, Wis. Combined stanchion and guard. No. 1,239,782; Sept. 11; v. 242; p. 368.
- French, Louis O., Milwaukee, Wis. Stanchion. No. 1,239,783; Sept. 11; v. 242; p. 368.
- French, Louis O., Milwaukee, Wis. Stanchion. No. 1,239,784; Sept. 11; v. 242; p. 369.
- French, Michael, Live Oak, Cal. Safety-envelop. No. 1,219,635; Mar. 20; v. 236; p. 674.
- French, Morgan C., Denver, Colo. Colter. No. 1,225,949; May 15; v. 238; p. 725.
- French, Morris, Waco, Tex. Linotype-machine. No. 1,246,901; Nov. 20; v. 244; p. 592.
- French, Will R., Detroit, Mich. Automobile-seat. No. 1,240,192; Sept. 18; v. 242; p. 532.
- French, William E., Clintwood, Va. Station-indicator. No. 1,222,280; Apr. 10; v. 237; p. 479.
- Frenier, William, Corliss, Wis. Wheel-clamp. No. 1,240,836; Sept. 25; v. 242; p. 766.
- Freschl, Alfred, Detroit, Mich. Dental-floss-holding device. No. 1,220,409; Mar. 27; v. 236; p. 984.
- Fresh, Roy, Townsend, Kans. Burglar-alarm. No. 1,244,313; Oct. 23; v. 243; p. 996.
- Fretwell, John A., Bradford, Ark. Convertible riding, driving, and veterinary bridle-bit. No. 1,240,041; Sept. 11; v. 242; p. 447.

- Fretwell, Phillip N., Memphis, Tenn., assignor of one-half to L. S. Dunscomb, Little Rock, Ark. Retaining device for milk-bottle caps. No. 1,215,923; Feb. 13; v. 235; p. 543.
- Freund, Henry H., Weehawken, N. J. Press for sealing tube ends. No. 1,237,630; Aug. 21; v. 241; p. 745.
- Freundt, William H., Hammond, Ind., assignor to B. H. Foss, Chicago, Ill. Note-book holder. No. 1,251,006; Dec. 25; v. 245; p. 874.
- Frevert, Albert A., Charles City, Iowa. Carbureter. No. 1,242,432; Oct. 9; v. 243; p. 346.
- Frew, Thomas, Chicago, Ill. Emergency closing mechanism for gas-mains. No. 1,233,214; July 10; v. 240; p. 586.
- Frew, William J., Chicago, Ill. Fuel cut-off for motor-vehicles. No. 1,213,859; Jan. 30; v. 234; p. 1333.
- Frey, August J., assignor to Brass Goods Mfg Co., Brooklyn, N. Y. Sheet-metal compression-clamp for tubing and the like. No. 1,217,433; Feb. 27; v. 235; p. 1165.
- Frey, Erwin S., and A. E. Wrigley, Brooklyn, N. Y. Tool-holder. No. 1,240,699; Sept. 18; v. 242; p. 689.
- Frey, George E., Steubenville, Ohio. Car-fender. No. 1,235,307; July 31; v. 240; p. 1358.
- Frey, Julius T., Detroit, Mich. Ash-sifting machine. No. 1,232,784; July 10; v. 240; p. 447.
- Freyman, Vincent P., Le Mars, Iowa. Tobacco-can attachment. No. 1,249,610; Dec. 11; v. 245; p. 372.
- Freynd and Company. (See Freyn, Heinrich J., assignor.)
- Freyn, Heinrich J., assignor, by mesne assignments, to Freyn and Company, Chicago, Ill. Gas-burner. No. 1,233,461; July 17; v. 240; p. 703.
- Freytag, Ernst E., Zwickau, and A. F. Hayn, Chemnitz, Germany. Combustion engine or motor. No. 1,231,871; July 3; v. 240; p. 113.
- Fri, August. (See Rivinoja, Vaino, assignor.)
- Friberg, Charles P. A., assignor to Deere & Mansur Company, Moline, Ill. Cultivator. No. 1,215,642; Feb. 13; v. 235; p. 443.
- Friberg, Gustaf F., Chicago, Ill. Hour-striking time mechanism. No. 1,216,103; Feb. 13; v. 235; p. 609.
- Friberg, John G., Maiden Rock, Wis. Antiskid device for vehicle-wheels. No. 1,237,770; Aug. 21; v. 241; p. 791.
- Friberg, John G., Maiden Rock, Wis. Antiskidding attachment for vehicle-wheels. No. 1,237,771; Aug. 21; v. 241; p. 791.
- Friberger, Harry L., Eureka, Kans., assignor of three-tenths to V. C. Joslyn and three-tenths to C. H. Keller, El Paso, Tex. Treating ores. No. 1,224,917; May 8; v. 238; p. 334.
- Fribley, William H., Raymond, Wash. Photoprinting-machine. No. 1,246,579; Nov. 13; v. 244; p. 462.
- Fribley, William H., Raymond, Wash. Timing device. No. 1,246,580; Nov. 13; v. 244; p. 462.
- Frick, Henry H., Fricks, Pa. Arch-centering. No. 1,249,611; Dec. 11; v. 245; p. 372.
- Frick & Lindsay Company. (See Moore, Martin L., assignor.)
- Frick, Samuel E. (See Frick, William H., assignor.)
- Frick, William H., Philadelphia, Pa. Reamer. No. 1,233,045; July 10; v. 240; p. 531.
- Frick, William H., Philadelphia, Pa. Reamer. No. 1,234,003; July 17; v. 240; p. 878.
- Frick, William H., Philadelphia, Pa. Reamer. No. 1,241,953; Oct. 2; v. 243; p. 154.
- Frick, William H., Philadelphia, Pa. Reamer. No. 1,243,502; Oct. 16; v. 243; p. 714.
- Frick, William H., assignor of one-half to S. E. Frick, Philadelphia, Pa. Reamer. No. 1,233,044; July 10; v. 240; p. 531.
- Frick, William H., and A. J. Martin, Philadelphia, Pa. Starting-crank for engines. No. 1,211,307; Jan. 2; v. 234; p. 320.
- Fricke, Otto, New York, N. Y. Automatic fog safety ship's guide. No. 1,225,796; May 15; v. 238; p. 674.
- Fricke, William A., Chicago, Ill. Display apparatus. No. 1,222,093; Apr. 10; v. 237; p. 413.
- Fricke, William A., Oak Park, assignor of one-half to F. G. Dickerson, Chicago, Ill. Display apparatus. No. 1,222,091; Apr. 10; v. 237; p. 411.
- Fricke, William A., assignor of one-half to F. G. Dickerson, Chicago, Ill. Display apparatus. No. 1,222,092; Apr. 10; v. 237; p. 412.
- Frickey, Royal E., Redding, Cal. Electric heating unit. No. 1,238,124; Aug. 28; v. 241; p. 936.
- Frickie, Charles H., Watersmeet, Mich. Basin waste-valve. No. 1,246,737; Nov. 13; v. 244; p. 507.
- Fridley, William H., Anna, Ohio. Gate-post. No. 1,234,893; July 31; v. 240; p. 1231.
- Fridlund, Lewis, Willmar, Minn. Supplemental stove-top. No. 1,211,567; Jan. 9; v. 234; p. 441.
- Fried, Krupp Aktiengesellschaft. (See Feller, Willy, assignor.)
- Fried, Krupp Aktiengesellschaft. (See Hageloch, Georg, assignor.)
- Fried Krupp Aktiengesellschaft. (See Heilemann, Behnke, and Koch, assignors.)
- Fried, Krupp Aktiengesellschaft. (See Sperling, Martin, assignor.)
- Fried, Ostermann, Meyer Co. (See Ostermann, Edwin C., assignor.)
- Fried, William J., Fountain City, Wis. Air-brake system. No. 1,243,727; Oct. 23; v. 243; p. 816.
- Friede, Samuel M., New York, N. Y., and W. B. Hutchinson, Newark, N. J., assignors to H. & F. Match Machine Corporation, New York, N. Y. Match-machine. No. 1,240,837; Sept. 25; v. 242; p. 767.
- Friedel, Arthur C., Syracuse, N. Y. Knockdown box or crate. No. 1,220,621; Mar. 27; v. 236; p. 1058.
- Friedel, Peter C., Elyria, Ohio. Beet-harvester. No. 1,251,362; Dec. 25; v. 245; p. 978.
- Friedrich, Ernst, Berlin, Germany, assignor to General Electric Company. Incandescent tungsten lamp. No. 1,240,700; Sept. 18; v. 242; p. 690.
- Friedlaender, Eugene, Braddock, Pa., assignor to Westinghouse Electric & Manufacturing Company. Brake mechanism. No. 1,231,590; July 3; v. 240; p. 17.
- Friedlander, Herbert M. (See Littman, Ernest, assignor.)
- Friedman, Max, Yonkers, N. Y. Train stopping apparatus. No. 1,229,929; June 12; v. 239; p. 571.
- Friedman, Samuel, Brooklyn, N. Y. Gage. No. 1,229,930; June 12; v. 239; p. 571.
- Friedman, Samuel, New York, N. Y. Snow-removing apparatus. No. 1,242,433; Oct. 9; v. 243; p. 346.
- Friedrich, Ludwig, New York, N. Y. Antiskidding attachment for wheels. No. 1,216,104; Feb. 13; v. 235; p. 609.
- Friedrich, Robert E., Rogers, Mich. Flying-machine. No. 1,237,772; Aug. 21; v. 241; p. 792.
- Friedrich, William H., Dyer, Ind. Packing rotary engines. No. 1,243,830; Oct. 23; v. 243; p. 851.
- Friel, Claude L. (See Friel, Legrand and C. L.)
- Friel, Claude L., Los Angeles, Cal. Make-up gage. No. 1,232,675; July 10; v. 240; p. 410.
- Friel, Legrand, Los Angeles, Cal. Printing-matrix. No. 1,226,499; May 15; v. 238; p. 912.
- Friel, Legrand and C. L., Los Angeles, Cal. Casting mechanism for producing linotype. No. 1,225,706; May 8; v. 238; p. 600.
- Friel, Patrick H., Kenosha, Wis. Bedstead construction. No. 1,213,473; Jan. 23; v. 234; p. 1171.
- Friend, David H., Canton, Ohio. Bearing. No. 1,223,952; Apr. 24; v. 237; p. 1134.
- Friend, David H., North Industry, Ohio. Ball-bearing. No. 1,244,846; Oct. 30; v. 243; p. 1194.
- Friend, Hardy A., Marshalltown, Iowa. Liquid-hydrocarbon burner. No. 1,240,130; Sept. 11; v. 242; p. 473.
- Friend, Richard N., Sioux City, Iowa. Flash-light. No. 1,237,191; Aug. 14; v. 241; p. 565.
- Friend, Theodore E., Norwalk, Ohio. Carbureter. No. 1,246,581; Nov. 13; v. 244; p. 462.
- Frier, John, St. Louis, Mo. Driving device for talking-machines. No. 1,228,014; May 29; v. 238; p. 1489.
- Fries, Robert E., assignor to The Columbia Axle Company, Cleveland, Ohio. Making axle-housings. No. 1,243,398; Oct. 16; v. 243; p. 681.
- Friesleben, Harold M., San Francisco, Cal. Display-fixture. No. 1,243,059; Oct. 16; v. 243; p. 582.
- Friess, Gustav A., Chicago, Ill. Cylinder-mounting for printing-presses. No. 1,227,774; May 29; v. 238; p. 1407.
- Friess, Gustav A., Chicago, Ill. Cylinder-grinding machine. No. 1,227,775; May 29; v. 238; p. 1408.
- Friestedt, Arthur A., assignor to Friestedt Manufacturing Company, Chicago, Ill. Tire-rim tool. No. 1,233,660; July 17; v. 240; p. 769.
- Friestedt, Arthur A., assignor to Friestedt Manufacturing Company, Chicago, Ill. Tire-rim manipulator. No. 1,235,308; July 31; v. 240; p. 1358.
- Friestedt Manufacturing Company. (See Friestedt, Arthur A., assignor.)
- Frieze, Alfred S., Fossil, Oreg. Coupling. No. 1,230,146; June 19; v. 239; p. 679.
- Fris, John, assignor to Thos. Cusack Company, Chicago, Ill. Electric switch. No. 1,227,605; May 29; v. 238; p. 1348.
- Fris, John, assignor to Thos. Cusack Company, Chicago, Ill. Electric-circuit-controlling device. No. 1,234,534; July 24; v. 240; p. 1086.
- Frindt, Joseph Z., assignor of one-half to C. Gansle, Hutchinson, Kans. Railway-car truck. No. 1,241,105; Sept. 25; v. 242; p. 849.
- Frink, Charles S., Minneapolis, Minn. Bathing apparatus. No. 1,221,163; Apr. 3; v. 237; p. 57.
- Frink, Gerald, Seattle, Wash. Clutch-operating mechanism. No. 1,249,736; Dec. 11; v. 245; p. 408.
- Friquet, Henri, Havre, France. Safety apparatus for indicating to the engine-driver whether the line is free or blocked. No. 1,213,474; Jan. 23; v. 234; p. 1171.
- Frisak, Arvid, Woodbury, N. J. Carbonic-acid indicator. No. 1,223,953; Apr. 24; v. 237; p. 1134.
- Frisbie, Charles A., San Francisco, Cal. Extension-table. No. 1,236,075; Aug. 7; v. 241; p. 177.
- Frisbie, Warren M., Ypsilanti, Mich. Circular-saw guard. No. 1,244,187; Oct. 23; v. 243; p. 956.
- Frisch, August, assignor to A. Frisch & Co., Zurich, Switzerland. Device for recording the readings of meters. No. 1,223,686; Apr. 24; v. 237; p. 1042.
- Frisch, August, assignor to Firm of A. Frisch & Co., Zurich, Switzerland. Capstan-lathe. No. 1,228,657; June 5; v. 239; p. 95.
- Frisch & Co., A. (See Frisch, August, assignor.)
- Frisson, Robert E., Tensleep, Wyo. Starting device for explosion-engines. No. 1,240,332; Sept. 18; v. 242; p. 577.
- Friswell, Frank H., Middletown, Conn. Machine-gun feed-belt. No. 1,247,810; Nov. 27; v. 244; p. 887.

- Frissell, Frank H., Middletown, Conn. Machine-gun feed-belt. No. 1,247,811; Nov. 27; v. 244; p. 888.
- Fritch, Charles F., Detroit, Mich. Relief-valve. No. 1,221,719; Apr. 3; v. 237; p. 248.
- Fritch, John W., and D. E. Hoopes, assignors of one-third to W. H. Hoopes, Washington, D. C. Card-punching device. No. 1,229,057; June 5; v. 239; p. 228.
- Fritsche, Antonie, New York, N. Y. Cup-remover. No. 1,223,162; Apr. 17; v. 237; p. 828.
- Fritsche, John, Philadelphia, Pa. Check-controlled vending-machine. No. 1,222,859; Apr. 17; v. 237; p. 723.
- Fritts, Charles E., deceased; J. H. Fritts, administratrix, Oneonta, N. Y., assignor, by mesne assignments, to J. D. Myers, Philadelphia, Pa. Record of light, sound, and analogous phenomena and process and apparatus for producing the same. No. 1,213,613; Jan. 23; v. 234; p. 1220.
- Fritts, Charles E., deceased; J. H. Fritts, administratrix, Oneonta, N. Y., assignor, by mesne assignments, to J. D. Myers, Philadelphia, Pa. Record of pulsations of sound and analogous phenomena and process and apparatus for producing the same. No. 1,213,614; Jan. 23; v. 234; p. 1220.
- Fritts, Charles E., deceased; J. H. Fritts, administratrix, Oneonta, N. Y., assignor, by mesne assignments, to J. D. Myers, Philadelphia, Pa. Apparatus for making sound-records. No. 1,213,615; Jan. 23; v. 234; p. 1220.
- Fritts, Charles E., deceased; J. H. Fritts, administratrix, Oneonta, N. Y., assignor, by mesne assignments, to J. D. Myers, Philadelphia, Pa. Means for producing, controlling, and utilizing electric currents. No. 1,213,616; Jan. 23; v. 234; p. 1221.
- Fritts, Josephine H., administratrix. (See Fritts, Charles E.)
- Fritts, Joseph W., Bradford, Pa. Transplanting device. No. 1,238,756; Sept. 4; v. 242; p. 11.
- Fritts, M. A., et al. (See Redding, Harry B., assignor.)
- Fritz, Axel, Everett, Mass. Cattle-stanchion. No. 1,217,434; Feb. 27; v. 235; p. 1165.
- Fritz, Axel, Everett, Mass. Cattle-stanchion. No. 1,217,435; Feb. 27; v. 235; p. 1165.
- Fritz, Axel, Everett, Mass. Folding gate. No. 1,251,213; Dec. 25; v. 245; p. 933.
- Fritz, Johan F., Portland, Oreg. Draining apparatus for tunnels, &c. No. 1,247,812; Nov. 27; v. 244; p. 888.
- Fritz, Orange V., et al. (See Bittle, Harry L., assignor.)
- Fritz, Peter C., and H. C. Crawford, Germantown, Pa. Automatic lubricator for die-stocks. No. 1,231,591; July 3; v. 240; p. 18.
- Fritz, William, Philadelphia, Pa. Candy-coating machine. No. 1,223,687; Apr. 24; v. 237; p. 1043.
- Fritzsch, Bernhard, Cincinnati, Ohio. Diaphragm for sound-reproducers. No. 1,217,294; Feb. 27; v. 235; p. 1115.
- Fritzsch, Bernhard, Cincinnati, Ohio. Sound-amplifier. No. 1,223,338; Apr. 17; v. 237; p. 884.
- Fritzsche, Herman. (See Anderwert, Fritzsche, and Schobel.)
- Froelich, John. (See Hackney and Froelich.)
- Froelich, John, assignor to L. S. Hackney, St. Paul, Minn. Reversing clutch and gear. No. 1,230,573; June 19; v. 239; p. 822.
- Froelich, John J., Dickinson, N. D. Water-gage for steam-boilers. No. 1,247,256; Nov. 20; v. 244; p. 693.
- Froehly, Bertram L., New York, N. Y. Safety-pin. No. 1,246,582; Nov. 13; v. 244; p. 463.
- Froess, Jacob J., Erie, Pa. Combined piano and graphophone. No. 1,242,790; Oct. 9; v. 243; p. 461.
- Frohmann, Gabriel, Philadelphia, Pa. Butcher's implement. No. 1,220,970; Mar. 27; v. 236; p. 1174.
- Froehrie, Louis C., Pittsburgh, Pa. Apparatus for separating vapor from gas and other fluids. No. 1,222,751; Apr. 17; v. 237; p. 686.
- Fromager, Albert L., and J. F. Six, Montreal, Quebec, Canada. Switch-block and casing. No. 1,223,378; Apr. 24; v. 237; p. 931.
- Froman, James E., Evansville, Ind. Cradle or crib. No. 1,224,525; May 1; v. 238; p. 147.
- Fromhold, Alexander, Rutherford, N. J., assignor to S. H. Pomeroy Company, New York, N. Y. Metal window construction. No. 1,240,193; Sept. 18; v. 242; p. 533.
- Frommann, Franklin A., Chicago, Ill. Vehicle-wheel. No. 1,250,158; Dec. 18; v. 245; p. 570.
- Frommann, Franklin A., Chicago, Ill. Vehicle-wheel. No. 1,250,159; Dec. 18; v. 245; p. 571.
- Frommann, Franklin A., assignor to O. Frommann, Chicago, Ill. Wheel-rim. No. 1,220,410; Mar. 27; v. 236; p. 984.
- Frommann, Franklin A., assignor to O. Frommann, Chicago, Ill. Metallic-spoked wheel. No. 1,222,094; Apr. 10; v. 237; p. 413.
- Frommann, Franklin A., Chicago, Ill., assignor to O. Frommann. Vehicle-wheel. No. 1,233,462; July 17; v. 240; p. 703.
- Frommann, Olive. (See Frommann, Franklin A., assignor.)
- Fromme, Edward H., Mullinville, Kans. Straw-spreader. No. 1,248,303; Nov. 27; v. 244; p. 1025.
- Fromm, Acel H., Santa Maria, Cal. Folding camp-kit. No. 1,227,419; May 22; v. 238; p. 1256.
- Frossard, John A., Pepperell, Mass. Safety device for feed-rolls. No. 1,245,698; Nov. 6; v. 244; p. 169.
- Frost, Armin, New York, N. Y. Quartz-glass-making machine. No. 1,232,785; July 10; v. 240; p. 447.
- Frost, Arthur G., Bellevue, Ky. Hacksaw. No. 1,227,902; May 29; v. 238; p. 1451.
- Frost, Clarence B., Cambridge, Mass. Apparatus for delivering adhesive strips. No. 1,235,967; Aug. 7; v. 241; p. 144.
- Frost, Ellis F., Washington, D. C. Electric action for organs. No. 1,228,899; June 5; v. 239; p. 178.
- Frost, Ellis F., Washington, D. C. Electric action for organs. No. 1,243,280; Oct. 16; v. 243; p. 647.
- Frost, Leslie E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Shielding system for vapor-converters. No. 1,231,592; July 3; v. 240; p. 18.
- Frost, Norris H., West Hoboken, N. J. Pneumatic tool. No. 1,219,932; Mar. 20; v. 236; p. 778.
- Frost, Philip B., Sheffield, and F. Rings, Liverpool, England. Composite beam. No. 1,212,759; Jan. 18; v. 234; p. 892.
- Frost, Walter E. (See Smith and Frost.)
- Frost, William C. (See Davis, Harry W., assignor.)
- Frothingham, Thomas G., Boston, Mass. Shot. No. 1,249,372; Dec. 11; v. 245; p. 304.
- Froussard, Albert F., St. Louis, Mo. Tube-cleaner. No. 1,221,984; Apr. 10; v. 237; p. 375.
- Frueh, Alfred J., New York, N. Y. Toy animal. No. 1,227,129; May 22; v. 238; p. 1164.
- Fruhner, Ernest, et al. (See Von Rohl, Paul, assignor.)
- Frustaglio, Frank, South Porcupine, Ontario, Canada. Anchoring device for machine-frames. No. 1,238,399; Aug. 28; v. 241; p. 1026.
- Frutchey, Heber B., Scranton, Pa. Clothes-drier. No. 1,244,314; Oct. 23; v. 243; p. 996.
- Fry, Albert, Evans, Colo. Road-drag. No. 1,212,134; Jan. 9; v. 234; p. 637.
- Fry, Benjamin L., St. Louis, Mo. Grinding-machine. No. 1,220,086; Mar. 20; v. 236; p. 832.
- Fry, Harry E., New York, N. Y. Mold for rubber articles. No. 1,218,641; Mar. 13; v. 236; p. 297.
- Fry, Henry E., Godmanstone, Dorchester, assignor to C. E. De Wolf, London, England. Treatment of seeds. No. 1,218,850; Mar. 13; v. 236; p. 375.
- Fry, Howard M., assignor to The Narrow Fabric Company, Wyomissing, Pa. Tipped lacing. No. 1,233,863; July 17; v. 240; p. 834.
- Fry, John A., assignor to Detroit Stove Works, Detroit, Mich. Gas-burner. No. 1,224,157; May 1; v. 238; p. 14.
- Fry, William T., Edinburg, Va. Sash-balance. No. 1,249,944; Dec. 11; v. 245; p. 470.
- Frydrychowicz, Rommald M., Stevens Point, Wis. Electric-sig receptacle. No. 1,241,106; Sept. 25; v. 242; p. 850.
- Frye, Isaiah M., Harrisonburg, Va. Egg-turner. No. 1,222,617; Apr. 17; v. 237; p. 639.
- Frye, Robert P., Marlboro, Mass. Machine for making shoe-boxings. No. 1,236,832; Aug. 14; v. 241; p. 453.
- Frye, Thomas E., assignor to J. H. Hauck, Terre Haute, Ind. Condiment-holder. No. 1,217,295; Feb. 27; v. 235; p. 1116.
- Frye, William A., F. H. Chinn, and R. F. Burnett, assignors of one-fourth to N. A. Cook, Coffeyville, Kans. Resilient tire. No. 1,243,503; Oct. 16; v. 243; p. 714.
- Frye, William B., Buffalo, N. Y. Attachment for over-shoes. No. 1,251,007; Dec. 25; v. 245; p. 874.
- Fryer, Percival J. (See Lemmens, Gustave J., assignor.)
- Frykberg, Jacob, Bridgeport, Conn. Theft-preventing mechanism for automobiles. No. 1,221,435; Apr. 3; v. 237; p. 153.
- Frysinger, John L., deceased, Oklahoma; P. P. Frysinger, Ingersoll, and U. O. Frysinger, Beaver, administrators, assignors to The Hermetic Glass Casket Company, Oklahoma county, Okla. Burial-casket. No. 1,244,315; Oct. 23; v. 243; p. 996.
- Frysinger, Perry P., et al., administrators. (See Frysinger, John L.)
- Frysinger, Ulva O., et al., administrators. (See Frysinger, John L.)
- Ftacek, Joseph and S., Streator, Ill. Rail-joint. No. 1,232,786; July 10; v. 240; p. 448.
- Ftacek, Steve. (See Ftacek, Joseph and S.)
- Fuchs, Ernest, assignor to L. Renault, Billancourt, France. Apparatus for controlling the voltage in variable-speed illuminating-dynamos. No. 1,220,971; Mar. 27; v. 236; p. 1175.
- Fuchs, Ernest, assignor to L. Renault, Billancourt, France. Shaft-coupling. No. 1,235,129; July 31; v. 240; p. 1304.
- Fuchs, Ernest, assignor to L. Renault, Billancourt, France. Shaft-coupling. No. 1,235,130; July 31; v. 240; p. 1304.
- Fuchs, Ernest, assignor to L. Renault, Billancourt, France. Shaft-coupling. No. 1,235,196; July 31; v. 240; p. 1324.
- Fuchs, Leopold, Roslyn Heights, N. Y. Jacquard mechanism for looms. No. 1,214,449; Jan. 30; v. 234; p. 1534.
- Fuchic, Emile E., assignor of two-fifths to A. J. Mestier and one-fifth to N. Louque, New Orleans, La. Cattle food and making same. No. 1,244,847; Oct. 30; v. 243; p. 1194.

- Fudge, James T., Elmira, N. Y. Coupling. No. 1,246,255; Nov. 13; v. 244; p. 362.
- Fuehler, Gustav, Verdun, S. D. Water explosion-engine. No. 1,226,500; May 15; v. 238; p. 912.
- Fuel Economizer Company, The. (See Kennedy, Walter J., assignor.)
- Fuel Saving Company. (See Wood, Walter D., assignor.)
- Fuel Saving Company. (See Wood and Barnhurst, assignors.)
- Fuerth, William G., assignor to Equilibrator Company, Newark, N. J. Stenciling. No. 1,238,906; Sept. 4; v. 242; p. 60.
- Fuglsang, Kristen R. L., Tousig, near Osterild, Denmark. Machine for digging up potatoes. No. 1,247,813; Nov. 27; v. 244; p. 888.
- Fuhrmann, Henry W. A., Alhambra, Cal. Variable automatic cut-off. No. 1,246,412; Nov. 13; v. 244; p. 410.
- Fuhrmann, Warren, Newark, N. J. Link-mesh fabric. No. 1,231,345; June 26; v. 239; p. 1118.
- Fuhrmann, Warren, Westfield, N. J., assignor to Addometer Corporation, New York, N. Y. Full-stroke device for calculators. No. 1,232,019; July 3; v. 240; p. 163.
- Fuhrmann, Warren, Westfield, N. J., and E. M. Squarey, Tuckahoe, assignors to Addometer Corporation, New York, N. Y. Restoring mechanism for calculators. No. 1,232,018; July 3; v. 240; p. 162.
- Fuhrmann, Warren, Westfield, N. J., and E. M. Squarey, Tuckahoe, assignors to Addometer Corporation, New York, N. Y. Calculator restoring mechanism. No. 1,232,020; July 3; v. 240; p. 163.
- Fuji, Kensei, Los Angeles, Cal. Moxibustion. No. 1,235,022; July 31; v. 240; p. 1273.
- Fukuda, Risuke, Yokohama, Japan. Elastic tire. No. 1,238,125; Aug. 28; v. 241; p. 936.
- Fulbright, Thomas M., assignor of one-half to P. J. Patzen and one-fourth to P. J. Rohan, St. Louis, Mo. Beet-harvester. No. 1,231,593; July 3; v. 240; p. 18.
- Fulceri, Delia G., North Weymouth, Mass. Hat-fastener. No. 1,222,281; Apr. 10; v. 237; p. 479.
- Fulcher, Roy G., and J. Sterling, Carson, La. Attachment to plow-stock. No. 1,226,965; May 22; v. 238; p. 1107.
- Fulghum, Elisha J., Hermansville, Mich. Foot control for the gasoline-supply of automobiles. No. 1,238,126; Aug. 28; v. 241; p. 936.
- Fulkerson, Walter F. (See Vancil and Fulkerson.)
- Fulford, William, Burlington, N. J. Drier, cooker, and baker for foods. No. 1,231,594; July 3; v. 240; p. 19.
- Fullaway, Samuel V., Sr., Omaha, Nebr. Metallic railway-tie. No. 1,219,541; Mar. 20; v. 236; p. 642.
- Fullenwider, Ralph, Idaho Falls, Idaho. Strainer-holder. No. 1,224,732; May 1; v. 238; p. 220.
- Fuller, Archibald S., Newton, Mass. Combing-machine. No. 1,214,533; Feb. 6; v. 235; p. 18.
- Fuller, Charles, *et al.* (See Daniel, Paul, assignor.)
- Fuller, Charles M., El Segundo, Cal., and J. W. Lambert, Anderson, Ind. Tractor. No. 1,241,617; Oct. 2; v. 243; p. 49.
- Fuller, Clarence W., Yonkers, N. Y. Operating mechanism for rotary tools. No. 1,229,603; June 12; v. 239; p. 464.
- Fuller, Claud E., Kansas City, Mo. Treating porous blocks. No. 1,229,439; June 12; v. 239; p. 408.
- Fuller, Claud E., Kansas City, Mo. Treating porous blocks. No. 1,231,007; June 26; v. 239; p. 1006.
- Fuller, Claud E., Kansas City, Mo. Apparatus for treating porous blocks. No. 1,247,105; Nov. 20; v. 244; p. 650.
- Fuller, Edward J. (See Carroll and Fuller.)
- Fuller, Eugene, Providence, assignor of one-half to L. A. Peckham, Cranston, R. I. Shock-absorber. No. 1,217,296; Feb. 27; v. 235; p. 1116.
- Fuller, Franz A., Newark, N. J. Safety-razor. No. 1,220,837; Mar. 27; v. 236; p. 1132.
- Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Bag-fastener. No. 1,211,931; Jan. 9; v. 234; p. 570.
- Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Pad-holder. No. 1,215,643; Feb. 13; v. 235; p. 444.
- Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Bag-fastener. No. 1,225,950; May 15; v. 238; p. 726.
- Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Bag-fastener. No. 1,232,525; July 10; v. 240; p. 362.
- Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Bag-frame. No. 1,232,526; July 10; v. 240; p. 363.
- Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Bag-frame. No. 1,240,557; Sept. 18; v. 242; p. 646.
- Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Bag-fastener. No. 1,247,106; Nov. 20; v. 244; p. 650.
- Fuller, Franz A. and J. Schroeder, assignors to The Hagerman Company, Newark, N. J. Clasp for scarfs, &c. No. 1,219,719; Mar. 20; v. 236; p. 704.
- Fuller, Frederick L., assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,242,170; Oct. 9; v. 243; p. 264.
- Fuller, Henry M., Salt Lake City, Utah. Air-regulating valve. No. 1,247,951; Nov. 27; v. 244; p. 927.
- Fuller, Jak H., Brooklyn, N. Y. Stapling-machine. No. 1,242,934; Oct. 16; v. 243; p. 541.
- Fuller & Johnson Mfg. Co. (See Gore, Warren W., assignor.)
- Fuller, Joseph C., Perth Amboy, N. J. Starting mechanism for steam-automobiles. No. 1,234,326; July 24; v. 240; p. 1018.
- Fuller-Kaemmerling Engine Company. (See Kaemmerling, Gustav H., assignor.)
- Fuller, Kenneth D., Whittier, Cal. Safety device for oil-pumps. No. 1,242,539; Oct. 9; v. 243; p. 380.
- Fuller, Louis E., New York, N. Y., assignor to A. B. Dick Company, Chicago, Ill. Stencil-sheet. No. 1,244,188; Oct. 23; v. 243; p. 956.
- Fuller, Louis E., New York, N. Y., assignor to A. B. Dick Company, Chicago, Ill. Stencil-sheet. No. 1,244,189; Oct. 23; v. 243; p. 957.
- Fuller, Maurice E. (See White, Henry P., assignor.)
- Fuller, Robert C., Chapman, Ill. Package-tie. No. 1,225,609; May 8; v. 238; p. 569.
- Fuller, Robert G., San Jose, Cal. Watch-chain holder. No. 1,236,076; Aug. 7; v. 241; p. 177.
- Fuller, Robert N., Arlington, Tex. Resilient wheel. No. 1,231,872; July 3; v. 240; p. 114.
- Fuller, Truman S., Schenectady, N. Y., assignor to General Electric Company, Brazeal material. No. 1,215,138; Feb. 6; v. 235; p. 228.
- Fuller, Walter R., Atlanta, Ga. Aeroplane. No. 1,242,540; Oct. 9; v. 243; p. 380.
- Fuller, William H., Palmetto, Fla., assignor of one-half to G. V. Sanders, Rock Falls, Ill. Fish-guard. No. 1,234,894; July 31; v. 240; p. 1231.
- Fuller, William J. H., Toronto, Ontario, Canada. Gas-lamp. No. 1,212,621; Jan. 16; v. 234; p. 840.
- Fuller, William W., West Point, Ga. Boll-weevil destroyer. No. 1,241,727; Oct. 2; v. 243; p. 84.
- Fullerton, Frederick W., St. Paul, Minn. Counter. No. 1,249,060; Dec. 4; v. 245; p. 183.
- Fullman, James M. G. (See Abbott, Gilson, and Fullman.)
- Fullmer, John H., and R. W. Runser, assignors to Huebner-Bleistein Patents Company, Buffalo, N. Y. Photographic-printing machine. No. 1,225,729; May 8; v. 238; p. 608.
- Fullum, James F., Everett, Mass. Steering-wheel-locking mechanism. No. 1,235,676; Aug. 7; v. 241; p. 46.
- Füllscher, Johann, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Water-cooled internal-combustion engine. No. 1,245,578; Nov. 6; v. 244; p. 132.
- Fulton, Charles H., Cleveland, Ohio, assignor to D. B. Jones, Chicago, Ill. Recovery of zinc. No. 1,213,180; Jan. 23; v. 234; p. 1068.
- Fulton, Charles H., St. Louis, Mo., assignor, by mesne assignments, to Metallurgical Laboratories, Incorporated, Chicago, Ill. Electrical distilling apparatus. No. 1,242,337; Oct. 9; v. 243; p. 315.
- Fulton, Charles H., St. Louis, Mo., assignor, by mesne assignments, to Metallurgical Laboratories, Incorporated, Chicago, Ill. Electric furnace. No. 1,242,341; Oct. 9; v. 243; p. 318.
- Fulton, Charles H., St. Louis, Mo., assignor, by mesne assignments, to Metallurgical Laboratories, Incorporated, Chicago, Ill. Producing spelter. No. 1,249,061; Dec. 4; v. 245; p. 183.
- Fulton, Charles H., and T. M. Bains, Jr., St. Louis, Mo., assignors, by mesne assignments, to Metallurgical Laboratories, Incorporated, Chicago, Ill. Distilling metallic ores. No. 1,242,339; Oct. 9; v. 243; p. 317.
- Fulton, Charles H., and T. M. Bains, Jr., St. Louis, Mo., assignors, by mesne assignments, to Metallurgical Laboratories, Incorporated, Chicago, Ill. Apparatus for distilling metallic ores and metal-bearing materials. No. 1,242,340; Oct. 9; v. 243; p. 317.
- Fulton Company, The. (See Fulton, Weston M., assignor.)
- Fulton Company, The. (See Harter, Noah S., assignor.)
- Fulton, Louis B., assignor to The Chaplin-Fulton Manufacturing Company, Pittsburgh, Pa. Valve. No. 1,228,104; May 29; v. 238; p. 1520.
- Fulton, Weston M., assignor to The Fulton Company, Knoxville, Tenn. Cooling system for internal-combustion engines. No. 1,217,587; Feb. 27; v. 235; p. 1221.
- Fulton, Weston M., assignor to The Fulton Company, Knoxville, Tenn. Automatic thermosensitive device. No. 1,220,972; Mar. 27; v. 236; p. 1175.
- Fulton, Weston M., assignor to The Fulton Company, Knoxville, Tenn. Radiator-casing. (Reissue.) No. 14,309; June 5; v. 239; p. 279.
- Fulton, Weston M., assignor to The Fulton Company, Knoxville, Tenn. Automatic radiator. No. 1,251,214; Dec. 25; v. 245; p. 933.
- Fulton, Wilbur L., Omaha, Nebr. Drawing-board. No. 1,230,398; June 19; v. 239; p. 761.
- Fulton, William B., Middletown, Ohio. Chimney-building accessory. No. 1,216,223; Feb. 13; v. 235; p. 650.
- Fulweiler, John E., assignor to L. D. Lovekin, Philadelphia, Pa. Helical retarding element. No. 1,246,583; Nov. 13; v. 244; p. 463.
- Funai, Choji. (See Hatakeyama, Sakushiro, assignor.)
- Funck, Jakob, Charlottenburg, Germany, assignor to The Grondal Kjellin Company, Limited, London, England. Electric induction-furnace. No. 1,226,764; May 22; v. 238; p. 1038.

Alphabetical list of patentees—Continued.

- Funcke, Fritz, and C. Jagerspacher, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Leucotriarylmethanazo dyestuffs and making same. No. 1,237,192; Aug. 14; v. 241; p. 565.
- Funcke, Fritz, and C. Jagerspacher, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Copper compounds of leucotriarylmethanazo dyestuffs and making same. No. 1,237,193; Aug. 14; v. 241; p. 565.
- Funcheon, Daniel C., Denver, and A. V. Nutt, Edgewater, Colo. Self-loading wheeler. No. 1,215,702; Feb. 13; v. 235; p. 495.
- Funderburg, Frank, Huntington, Ind. Vehicle-tire. No. 1,234,004; July 17; v. 240; p. 878.
- Funderburk, Otis C., assignor to Detroit Lubricator Company, Detroit, Mich. Carbureter. No. 1,249,373; Dec. 11; v. 245; p. 304.
- Funk Brothers Manufacturing Company. (See Funk, Fred, assignor.)
- Funk, Charles R., and L. H. Smith, Emporia, Kans. Safety-signal. No. 1,229,931; June 12; v. 239; p. 572.
- Funk, Edward L., Baltimore, Md. Can-opener. No. 1,228,900; June 5; v. 239; p. 178.
- Funk, Elmer J., Kansas City, Mo. Foot-warmer attachment for radiators. No. 1,228,105; May 29; v. 238; p. 1520.
- Funk, Frank W., Youngstown, Ohio. Electrical installation. No. 1,231,008; June 26; v. 239; p. 1006.
- Funk, Fred, assignor to Funk Brothers Manufacturing Company, Chicago Heights, Ill. Chair-support structure for mining-machine drills. No. 1,222,752; Apr. 17; v. 237; p. 686.
- Funk, Godfrey, Tucumcari, N. Mex. Sash-holder. No. 1,231,873; July 3; v. 240; p. 114.
- Funk, Henry C., Grant township, Riley county, Kans. Removable-tine pitchfork. No. 1,233,337; July 17; v. 240; p. 660.
- Funk, I. B., et al. (See Binkley, George S., assignor.)
- Funk, James B., assignor to The Wheeler-Schebler Carburetor Co., Indianapolis, Ind. Carburetor. No. 1,221,526; Apr. 3; v. 237; p. 185.
- Funk, James E., Dickinson, N. D. Towing connection for automobiles. No. 1,220,214; Mar. 27; v. 236; p. 914.
- Funk, Nelson E., Montclair, N. J. Envelope-machine. No. 1,225,026; May 8; v. 238; p. 371.
- Funk, Truman B., Columbus, Ohio, assignor, by mesne assignments, to Moline Plow Company, Moline, Ill. Tractor. No. 1,243,598; Oct. 16; v. 243; p. 741.
- Funke, Gustave H. (See Stohs and Funke.)
- Funke, Louis. (See Berel and Funke.)
- Funsten, David, Washington, D. C. Cinder-guard. (Re-issue.) No. 1,424,040; Jan. 2; v. 234; p. 343.
- Fuqua, Edward B., Memphis, Tenn. Tractor. No. 1,245,896; Nov. 6; v. 244; p. 228.
- Fuqua, Edward B., Memphis, Tenn. Mowing-blade. No. 1,245,897; Nov. 6; v. 244; p. 229.
- Furber, Frank O., Saco, Me. Broaching-tool. No. 1,243,504; Oct. 16; v. 243; p. 714.
- Furber, Frederick M., Revere, Mass. Spark-plug and manufacturing the same. No. 1,228,767; June 5; v. 239; p. 134.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for use in the manufacture of boots and shoes. No. 1,212,203; Jan. 16; v. 234; p. 600.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Blacking-machine. No. 1,216,304; Feb. 20; v. 235; p. 731.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Electrical heating resistance. No. 1,222,196; Apr. 10; v. 237; p. 449.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Electric unit. No. 1,222,197; Apr. 10; v. 237; p. 450.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Splitting-machine. No. 1,224,527; May 1; v. 238; p. 147.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Splitting-machine. No. 1,224,918; May 8; v. 238; p. 335.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Electric unit. No. 1,234,149; July 24; v. 240; p. 961.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Dispensing-can. No. 1,236,421; Aug. 14; v. 241; p. 318.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-machine. No. 1,236,422; Aug. 14; v. 241; p. 318.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Friction-heated burnishing-machine. No. 1,246,902; Nov. 20; v. 244; p. 593.
- Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Blacking-machine or the like. No. 1,248,642; Dec. 4; v. 245; p. 64.
- Furdur, Nicholas, Philadelphia, Pa. Connecting device for hose. No. 1,228,549; June 5; v. 239; p. 60.
- Furer, Thomas J. (See Wertgen and Furer.)
- Furgal, Frank T., Warren, Mass. Picker-stick connection. No. 1,215,266; Feb. 6; v. 235; p. 273.
- Furgason, Charles R., Amorita, Okla. Gate-hinge. No. 1,235,789; Aug. 7; v. 241; p. 85.
- Furgerson, Jesse S., G. W. Davis, and W. W. Furgerson, Deport, Tex. Wrench. No. 1,216,224; Feb. 13; v. 235; p. 651.
- Furgerson, William W. (See Furgerson, Davis, and Furgerson.)
- Furlong, James J., Tacoma, Wash. Safety-pin. No. 1,224,733; May 1; v. 238; p. 220.
- Furlong, Patrick M. (See Wickers and Furlong.)
- Furlonger, Ada C., Ultimo, near Sydney, New South Wales, Australia. Blotting attachment for fountain-pens. No. 1,248,304; Nov. 27; v. 244; p. 1025.
- Furlow, Floyd C., Montclair, assignor to Otis Elevator Company, Jersey City, N. J. Elevator-door mechanism. No. 1,228,201; May 29; v. 238; p. 1549.
- Furman, Horace, Petersburg, Va. Steam-boiler. No. 1,244,316; Oct. 23; v. 243; p. 996.
- Furnas, Robert W., deceased, Indianapolis, Ind.; T. A. and L. F. Hamilton, executors. Pneumatic street-cleaner. No. 1,229,737; June 12; v. 239; p. 507.
- Furnas, Robert W., deceased, Indianapolis, Ind.; T. A. and L. F. Hamilton, executors. Suction-blower for street-cleaners. No. 1,229,738; June 12; v. 239; p. 508.
- Furneaux, George A. (See Brigham and Furneaux.)
- Furneaux, George A., Dufur, Oreg. Aeroplane. No. 1,211,131; Jan. 2; v. 234; p. 257.
- Furness, C. Becher. (See Martinsen, Ottocar H., assignor.)
- Furness, Radclyffe, Jenkintown, assignor to The Midvale Steel Company, Philadelphia, Pa. High-speed-tool-steel alloy. No. 1,233,862; July 17; v. 240; p. 833.
- Furry, Gertrude S., Valdosta, Ga. Hot water or steam heating egg-cup. No. 1,229,739; June 12; v. 239; p. 508.
- Furry, William C., Shawnee, Okla., assignor, by mesne assignments, to American Concrete Forms Company, Bloomington, Ill. Concrete arch and constructing. No. 1,248,643; Dec. 4; v. 245; p. 64.
- Furry, William C., Tecumseh, Okla. Mold for forming concrete structures. No. 1,233,567; July 17; v. 240; p. 739.
- Furst, John K., assignor to Pennsylvania Engineering Works, New Castle, Pa. Jack-car. No. 1,250,840; Dec. 18; v. 245; p. 775.
- Furste, Henry, assignor to The United States Printing and Lithograph Company, Cincinnati, Ohio. Paper box. No. 1,251,008; Dec. 25; v. 245; p. 874.
- Fürstenau, Robert, Berlin, Germany. Measuring instrument for Röntgen rays. No. 1,220,740; June 12; v. 239; p. 508.
- Furtado, Joseph A., Half Moon Bay, Cal. Gold-washing machine. No. 1,241,954; Oct. 2; v. 243; p. 154.
- Furth, George W., Cleveland, Ohio. Baling-tie buckle. No. 1,226,876; May 22; v. 238; p. 1076.
- Furtinger, Fred P., Dallas, Tex. Money-changing machine. No. 1,228,370; May 29; v. 238; p. 1605.
- Furuholm, George, assignor to Fram Automatic Furnace Company, Minneapolis, Minn. Stove and other heater. No. 1,249,945; Dec. 11; v. 245; p. 471.
- Fusch, Warnie A., Decatur, Ill. Mechanical doll. No. 1,243,152; Oct. 16; v. 243; p. 608.
- Fuss, Max, Berlin, Germany. Automatic pressure-regulator for electric machines. No. 1,215,360; Feb. 13; v. 235; p. 339.
- Fuss, Max, Berlin, Germany. Electrical potential-regulator. No. 1,215,361; Feb. 13; v. 235; p. 340.
- Fussner, Charles J., Brimfield, Ill. Sleigh attachment. No. 1,229,058; June 5; v. 239; p. 229.
- Futch, Robert T., Lillie, Iowa. Metallic rail-tie. No. 1,229,932; June 12; v. 239; p. 572.
- Futerman, Harry, New York, N. Y. Lamp-bracket. No. 1,247,389; Nov. 20; v. 244; p. 731.
- Fyfe, Charles M., Brooklyn, N. Y. Darning and weaving device. No. 1,231,346; June 26; v. 239; p. 1118.
- Fylling, Peter, Landa, N. D. Wheelbarrow. No. 1,249,737; Dec. 11; v. 245; p. 409.
- Fynn, Valère A., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Alternating-current motor. No. 1,213,617; Jan. 23; v. 234; p. 1221.
- Fynn, Valère A., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Alternating-current motor. No. 1,213,618; Jan. 23; v. 234; p. 1222.
- Fynn, Valère A., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Ignition system. No. 1,216,792; Feb. 20; v. 235; p. 902.
- Fynn, Valère A., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Ignition-controlling apparatus. No. 1,216,793; Feb. 20; v. 235; p. 902.
- Fynn, Valère A., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Alternating-current motor. No. 1,248,474; Dec. 4; v. 245; p. 13.
- Fynn, Valère A., assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Ignition system. No. 1,248,840; Dec. 4; v. 245; p. 123.
- G. Piel Company. (See Ekroos, Sigurd W., assignor.)
- G. A. Schneebeli & Co. (See Schneebeli, Hellick, and Halldeman, assignors.)
- G. E. Prentice Manufacturing Company, The. (See Prentice, George E., assignor.)
- G. E. M. Engineering Company. (See Mottlau, August J., assignor.)
- G. I. Sellers & Sons Company. (See Ash, Ersel C., assignor.)

- G. I. Sellers & Sons Company. (See Mahoney, Clarence, assignor.)
- G. & J. Weir, Limited. (See Lang, Charles R., assignor.)
- G. L. B. Syndicate Limited, The. (See Gaskin, Thomas H., assignor.)
- G. M. Parks Company, The. (See Parks, Frederick W., assignor.)
- G. M. Parks Company, The. (See Thompson and Comfort, assignors.)
- G & O Manufacturing Co., The. (See Gargiulo, Salvatore, assignor.)
- G. W. Bent Co. (See Bent, Arthur F., assignor.)
- G & W Electric Specialty Co. (See Wakefield, Albert A., assignor.)
- G & W Electric Specialty Co. (See Williams, Paul F., assignor.)
- G. W. Parsons Company, The. (See Miller, Arthur E., assignor.)
- G. W. Shook Optical Company. (See Shook, George W., assignor.)
- Gaba, Melvin H., Philadelphia, Pa. Phonograph-illuminating appliance. No. 1,249,374; Dec. 11; v. 245; p. 304.
- Gabel, Edward, Utica, N. Y. Shade for headlights. No. 1,221,305; Apr. 3; v. 237; p. 107.
- Gable, Benjamin F., assignor of one-half to J. M. Lettich, San Francisco, Cal. Discharge-nozzle and controlling means therefor. No. 1,210,630; Jan. 2; v. 234; p. 87.
- Gable, Frank P. (See Buttman and Gable.)
- Gable, Gus, Dawson, Tex. Stalk-cutter. No. 1,237,194; Aug. 14; v. 241; p. 566.
- Gable, Roy L. (See Hinchaw and Gable.)
- Gabler, Dessie L., Fond du Lac, Wis. Umbrella. No. 1,243,153; Oct. 16; v. 243; p. 609.
- Gabriel, Charles E., Brooklyn, N. Y. Apparatus for producing flat surfaces on the edges of stampings and drawn shells. No. 1,235,197; July 31; v. 240; p. 1324.
- Gabriel, Earl S., and D. Lombard, Indianapolis, Ind.; said Lombard assignor to said Gabriel. Cake-cutting machine. No. 1,230,288; June 19; v. 239; p. 727.
- Gabriel, Elmer, Athens, Ohio. Trolley-wheel. No. 1,226,501; May 15; v. 238; p. 912.
- Gabriel, Samuel, New York, N. Y. Educational device. No. 1,232,021; July 3; v. 240; p. 164.
- Gabriele, Jacob, Sheboygan, Wis. Detachable spring-back for vehicle-seats. No. 1,231,148; June 26; v. 239; p. 1054.
- Gabrielson, Carl, *et al.* (See Dennis, Adolphus S., assignor.)
- Gabrielson, Carl, assignor to L. C. Smith & Bros. Type-writer Company, Syracuse, N. Y. Card-holder for type-writing machines. No. 1,216,432; Feb. 20; v. 235; p. 777.
- Gabrielson, Carl, assignor to L. C. Smith & Bros. Type-writer Company, Syracuse, N. Y. Type-writer platen-release mechanism. No. 1,217,436; Feb. 27; v. 235; p. 1166.
- Gabrielson, Carl, assignor to L. C. Smith & Bros. Type-writer Company, Syracuse, N. Y. Type-writing machine. No. 1,221,720; Apr. 3; v. 237; p. 249.
- Gabrielson, John B., Jamestown, N. Y. Radiator. No. 1,215,793; Feb. 13; v. 235; p. 495.
- Gabrielson, John B., Jamestown, N. Y. Radiator. No. 1,217,934; Mar. 6; v. 236; p. 17.
- Gadde, George V., *et al.* (See Arner, Joseph, assignor.)
- Gaddess, Harry W., Baltimore, Md. Window-ventilator. No. 1,236,157; Aug. 7; v. 241; p. 202.
- Gaddis, Walter E., Clinton, Ill. Hay rake and baler. No. 1,212,044; Jan. 9; v. 234; p. 607.
- Gadke, William, Philadelphia, Pa. Window-fastener. No. 1,244,725; Oct. 30; v. 243; p. 1159.
- Gadke, William, Philadelphia, Pa. Ball-key. No. 1,244,848; Oct. 30; v. 243; p. 1194.
- Gadke, William, Philadelphia, Pa. Terminal for conductors. No. 1,247,656; Nov. 27; v. 244; p. 840.
- Gaede, John W., Cleveland, Ohio. Plane. No. 1,221,436; Apr. 3; v. 237; p. 153.
- Gaertner, Ralph A. (See Slaughter and Gaertner.)
- Gaffner, Charles H. (See Fox, William C., assignor.)
- Gaffney, Louis H., Terry, Mont. Leather-cutting machine. No. 1,235,459; July 31; v. 240; p. 1401.
- Gaffney, Richard M., St. Louis, Mo. Advertising device and the like. No. 1,214,534; Feb. 6; v. 235; p. 18.
- Gaffney, Richard W., Yonkers, N. Y. Hydraulic jack. No. 1,244,317; Oct. 23; v. 243; p. 997.
- Gage, Edward E., New York, N. Y. Door-securing mechanism. No. 1,225,427; May 8; v. 238; p. 508.
- Gage, Edward E., New York, N. Y. Lock. No. 1,249,738; Dec. 11; v. 245; p. 409.
- Gage, Henry P., and E. Pascucci, assignors to Corning Glass Works, Corning, N. Y. Refracting cover-glass for automobile-headlights. No. 1,243,399; Oct. 16; v. 243; p. 682.
- Gage, Isaac N., Westboro, Mo. Wire-stretcher. No. 1,235,131; July 31; v. 240; p. 1305.
- Gage, Joseph J., assignor of one-fourth to H. Mackey and one-fourth to I. Harnish, Dayton, Ohio. Boiler-seam protector. No. 1,223,781; Apr. 24; v. 237; p. 1076.
- Gage, Marie L., South Lancaster, Mass. Garment-hanger. No. 1,231,517; June 26; v. 239; p. 1174.
- Gage, Seth H., Amesbury, assignor of one-half to F. H. Rowe, Lynn, Mass. Hinge-lock. No. 1,226,324; May 15; v. 238; p. 857.
- Gage, William B., Whitewater, Wis. Lubricator. No. 1,224,919; May 8; v. 238; p. 335.
- Gage, William F., Chico, Cal. Automobile air-deflector. No. 1,242,541; Oct. 9; v. 243; p. 381.
- Gagne, Arthur J., Minneapolis, Minn., assignor to G. Gagne, Portland, Oreg. Leather-cutting machine. No. 1,210,454; Jan. 2; v. 234; p. 27.
- Gagne, Gussa. (See Gagne, Arthur J., assignor.)
- Gagnon, Alexander, assignor to Fisher Body Corporation, Detroit, Mich. Machine for applying felt to channels. No. 1,243,728; Oct. 23; v. 243; p. 817.
- Gagnon, Frederick J., deceased, Detroit, Mich.; G. McIntosh, executrix. Valve. No. 1,239,898; Sept. 11; v. 242; p. 406.
- Gagnon, Joseph A., Fitchburg, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Center-filling stop-motion for looms. No. 1,243,831; Oct. 23; v. 243; p. 851.
- Gagnon, Joseph E. (See Hood, Anderson, Fitters, McGlinchey, Gagnon, and Kidder.)
- Gagnon, Joseph E., Philadelphia, and J. A. Hawthorne, Jr., Chester, assignors of one-third to A. S. Orchard, Philadelphia, Pa. Plumb level and square. No. 1,216,105; Feb. 13; v. 235; p. 609.
- Gagnon, Leo O., Southbridge, Mass. Goggles. No. 1,241,955; Oct. 2; v. 243; p. 154.
- Gagnon, Prim, Papineau, Ill. Mounting for sliding doors. No. 1,223,954; Apr. 24; v. 237; p. 1135.
- Gahan, Harry, Victoria, British Columbia, Canada. Water-supply system for explosive-engines. No. 1,210,631; Jan. 2; v. 234; p. 88.
- Gahan, Thomas E., Toledo, Ohio. Pattern-perforating machine. No. 1,244,595; Oct. 30; v. 243; p. 1119.
- Gahen, Alma A., Teaneck, N. J. Truck. No. 1,229,933; June 12; v. 239; p. 572.
- Gahl, Rudolf, Miami, Ariz. Concentrating oxid ores of copper. No. 1,217,437; Feb. 27; v. 235; p. 1166.
- Gail, George W., Jr., Baltimore, Md. Combination shelter outfit. No. 1,215,139; Feb. 6; v. 235; p. 228.
- Gail, John F. (See Hunt, Ozello R., assignor.)
- Gailor, Chester F., Baltimore, Md. Rail-joint. No. 1,212,204; Jan. 16; v. 234; p. 691.
- Gainer, Henry A. (See McLaughlin and Gainer.)
- Gaines, Frederick F., *et al.* (See Dickert, Curtis L., assignor.)
- Gaines, Joseph B., Springfield, Ohio. Spraying attachment for nozzles. No. 1,228,658; June 5; v. 239; p. 96.
- Gaines, Lloyd, Butler, Mo. Lock for steering-wheels. No. 1,234,748; July 31; v. 240; p. 1187.
- Gainey, Eugene H. (See Brady, Isaac E., assignor.)
- Gair, Blair W., Chicago, Ill. Door-controlling mechanism. No. 1,214,535; Feb. 6; v. 235; p. 19.
- Gairing, Emil, Cleveland, Ohio. Boring-tool. No. 1,214,773; Feb. 6; v. 235; p. 101.
- Gaisman, Henry J., assignor to Auto Strop Company, New York, N. Y. Shaving-brush. No. 1,216,433; Feb. 20; v. 235; p. 777.
- Gaisman, Henry J., Woodmere, N. Y. Means for supplying fuel mixture to gas-engines. No. 1,230,147; June 19; v. 239; p. 679.
- Gaisman, Henry J., New York, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic apparatus. No. 1,230,399; June 19; v. 239; p. 762.
- Gaisman, Henry J., New York, assignor to Eastman Kodak Company, Rochester, N. Y. Method of and means for producing designations on photographically-sensitive elements. No. 1,238,504; Aug. 28; v. 241; p. 1060.
- Gaisman, Henry J., New York, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic apparatus. No. 1,238,505; Aug. 28; v. 241; p. 1061.
- Gaisman, Henry J., New York, assignor to Eastman Kodak Company, Rochester, N. Y. Method of and device for designating photographic exposures. No. 1,238,506; Aug. 28; v. 241; p. 1061.
- Gaisman, Henry J., New York, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic apparatus. No. 1,249,612; Dec. 11; v. 245; p. 372.
- Galbally, David B., New York, N. Y., assignor to The Universal Steel Package Co., Dover, Del. Machine for applying binding-wire. No. 1,240,042; Sept. 11; v. 242; p. 447.
- Galbraith, David G., Mineral Wells, Tex., assignor to A. Meriwether, Tulsa, Okla., D. G. Galbraith, E. A. Galbraith, and M. E. Galbraith, Mineral Wells, Tex. Roller-bearing. No. 1,210,632; Jan. 2; v. 234; p. 88.
- Galbraith, Esther A., *et al.* (See Galbraith, David G., assignor.)
- Galbraith, Isaac J., Pittsburgh, Pa. Vibraphone. No. 1,246,584; Nov. 13; v. 244; p. 463.
- Galbraith, John, Swatara, Minn., assignor of one-half to F. J. Widman, Chicago, Ill. Wood-carving machine. No. 1,229,059; June 5; v. 239; p. 229.
- Galbraith, Mary E., *et al.* (See Galbraith, David G., assignor.)
- Galbreath, Cristie F., Hartford, Mich. Pruning implement. No. 1,213,619; Jan. 23; v. 234; p. 1222.
- Gale, Byron and J. A. Stettler, Alberta, Canada. Pulverizer. No. 1,241,205; Sept. 25; v. 242; p. 880.
- Gale, Francis G., Waterville, Quebec, Canada. Mattress-frame. No. 1,210,633; Jan. 2; v. 234; p. 88.
- Gale, Henry, and W. B. Romeiser, Timken, Kans. Separable rim. No. 1,241,107; Sept. 25; v. 242; p. 850.

Alphabetical list of patentees—Continued.

- Gale, Henry P., Oneida, N. Y. Shaft-hanger. No. 1,212,474; Jan. 16; v. 234; p. 787.
- Gale, Joseph A. (See Gale, Byron and J. A.)
- Gale Manufacturing Company. (See Peterson, Emil J., assignor.)
- Gallion Iron Works & Mfg. Co., The. (See Arndt, Franklin E., assignor.)
- Galizi, Adriano. (See Galizi, Eugenio and A.)
- Galizi, Eugenio and A., New York, N. Y. Stop-action for accordions. No. 1,234,895; July 31; v. 240; p. 1232.
- Gall, Adolph F., assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Support. No. 1,230,819; June 19; v. 239; p. 902.
- Gall, Adolph F., and N. A. Curtiss, assignors to New Jersey Patent Company, West Orange, N. J. Moving-picture machine. No. 1,242,792; Oct. 9; v. 243; p. 461.
- Gall, Marvin L., Philippi, W. Va. Adjustable school desk and seat. No. 1,221,306; Apr. 3; v. 237; p. 107.
- Gallagher, Charles H. G., executor. (See Rites, Francis M.)
- Gallagher, Edward G., assignor to The Lake Torpedo Boat Company of Maine, Bridgeport, Conn. Torpedo-firing control and signal apparatus for torpedo-boats. No. 1,222,198; Apr. 10; v. 237; p. 450.
- Gallagher, Edward J., International Falls, Minn. Wind-motor. No. 1,248,305; Nov. 27; v. 244; p. 1025.
- Gallagher, Eugene F. (See Griffith and Gallagher.)
- Gallagher, Frank J. (See Tobin and Gallagher.)
- Gallagher, Frederick S., Collinwood, Ohio, assignor, by mesne assignments, to Waugh Draft Gear Company. Draft and buffing mechanism for railway-cars. No. 1,218,642; Mar. 13; v. 236; p. 297.
- Gallagher, George S., and G. Schadee, New York, N. Y. Vehicle-wheel. No. 1,215,924; Feb. 13; v. 235; p. 543.
- Gallagher, James E., Denver, Colo. Automatic lock for quoins. No. 1,228,426; June 5; v. 239; p. 18.
- Gallagher, John H., Macomb, Ill. Water-closet. No. 1,224,734; May 1; v. 238; p. 221.
- Gallagher, Richard D., Jr., New York, N. Y. Draft-rigging for railway-cars. No. 1,215,644; Feb. 13; v. 235; p. 444.
- Gallagher, Richard D., Jr., New York, N. Y. Draft-rigging for railway-cars. No. 1,231,248; June 26; v. 239; p. 1087.
- Gallagher, Ross E. (See Hawthorne, Primm R., assignor.)
- Gallagher, Thomas V., Leadville, Colo. Mail-rack. No. 1,225,123; May 8; v. 238; p. 404.
- Gallagher, Walter J., Anderson township, Hamilton county, Ohio. Poultry-feeder. No. 1,217,438; Feb. 27; v. 235; p. 1167.
- Gallaher, Elmer E., Gas City, and D. J. McGrail, Marion, Ind. Automatic mold-charging mechanism. No. 1,229,060; June 5; v. 239; p. 280.
- Gallanore, John E., and J. L. Patman, El Reno, Okla. Truck. No. 1,251,874; July 3; v. 240; p. 114.
- Gallaudet, Edson F., Norwich, Conn. Aeroplane. No. 1,214,536; Feb. 6; v. 235; p. 20.
- Gallaudet, Edson F., Norwich, Conn. Aeroplane. No. 1,219,285; Mar. 13; v. 236; p. 521.
- Gallavan, George, Ordway, Colo. Folding beds for automobiles. No. 1,236,284; Aug. 7; v. 241; p. 242.
- Gallerani, Alexander, Brooklyn, N. Y. Macaroni-drying apparatus. No. 1,217,439; Feb. 27; v. 235; p. 1167.
- Gallet, Henri, assignor to Établissements De Dion Bouton, Société Anonyme, Puteaux, France. Plug contact-maker. No. 1,240,965; Sept. 25; v. 242; p. 806.
- Gallet, Henrietta, et al. (See Gallet, Maurice, assignor.)
- Gallet, Maurice, assignor of one-fourth to A. Salzman, one-fourth to F. Salzman, and one-fourth to H. Gallet, Chicago, Ill. Glove-cleaning machine. No. 1,210,634; Jan. 2; v. 234; p. 89.
- Galley, Elmer T., Huntington Park, Cal. Plaster-board. No. 1,230,400; June 19; v. 239; p. 762.
- Gallia, Paul, Gainesville, Tex. Bill-posting blanking device. No. 1,247,390; Nov. 20; v. 244; p. 731.
- Gallie, Henry M., Reading, Pa. Bag-fastener. No. 1,236,285; Aug. 7; v. 241; p. 243.
- Galliber, Nathaniel C., Bristol, Va. Changeable-speed gear. No. 1,218,176; Mar. 6; v. 236; p. 100.
- Gallimore, Surilda P., administratrix. (See Gallimore, William.)
- Gallimore, William, deceased; S. P. Gallimore, administratrix, Galax, assignor of one-third to D. M. Bryant, Cliffview, Va. Safety device for elevators. No. 1,246,256; Nov. 13; v. 244; p. 363.
- Gallinant, Raphael C., Ridgefield Park, N. J. Safety appliance for railway-platforms. No. 1,216,560; Feb. 20; v. 235; p. 822.
- Gallo, Giuseppe. (See Primavera and Gallo.)
- Galloway, Daniel B., Corydon, Ky. Flue connection. No. 1,211,132; Jan. 2; v. 234; p. 258.
- Gallsworthy, Benjamin, Port Arthur, Tex. Still. No. 1,234,327; July 24; v. 240; p. 1018.
- Gallup, Delbert L., Colegrove, Pa. Door-operator. No. 1,211,808; Jan. 2; v. 234; p. 320.
- Gallup, Rockwell L. (See Wachs and Gallup.)
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Musical-instrument bellows. No. 1,233,864; July 17; v. 240; p. 834.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Musical-instrument indicator. No. 1,234,328; July 24; v. 240; p. 1019.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Piano-case legs. No. 1,245,579; Nov. 6; v. 244; p. 132.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-playing-sheet indication. No. 1,246,413; Nov. 13; v. 244; p. 410.
- Gally, Robert A., assignor to The Baldwin Company, Cincinnati, Ohio. Music-sheet-rewinding governor. No. 1,248,306; Nov. 27; v. 244; p. 1026.
- Galt, Hugh A., Akron, assignor to Columbia Chemical Company, Barberton, Ohio. Recovering values from waste lime mud. No. 1,249,739; Dec. 11; v. 245; p. 409.
- Galt, William J., Jr., assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Snap-fastener socket. No. 1,220,622; Mar. 27; v. 236; p. 1058.
- Galt, William J., Jr., assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Garment-hook. No. 1,222,095; Apr. 10; v. 237; p. 413.
- Galt, William J., Jr., assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Snap-fastener. No. 1,222,096; Apr. 10; v. 237; p. 414.
- Galvin, John F., Pawtucket, R. I. Thread-board for spinning or twisting machines. No. 1,247,657; Nov. 27; v. 244; p. 840.
- Galvin, Roderick J. (See Smith and Galvin.)
- Gamache, Clovis, Jr., Nashua, N. H., and W. S. McNear, assignors to Nur-Pon Company, Boston, Mass. Tampon-applicator. No. 1,224,735; May 1; v. 238; p. 221.
- Gamble, Charles B., and F. C. Shepard, Minneapolis, Minn. Headlight-dimmer. No. 1,214,909; Feb. 6; v. 235; p. 149.
- Gamble, Ellsworth, Waverly, N. Y. Ether-dropper. No. 1,237,773; Aug. 21; v. 241; p. 792.
- Gamble, James H. (See Travis and Gamble.)
- Gamble, Joseph W., Carpentersville, Ill. Tractor-binder hitch. No. 1,225,428; May 8; v. 238; p. 508.
- Gamble, Joseph W., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Measuring apparatus. No. 1,218,643; Mar. 13; v. 236; p. 298.
- Gamble, Joseph W., Omaha, Nebr., assignor to Illinois Iron & Bolt Company, Carpentersville, Ill. Draft connection for plows. No. 1,242,793; Oct. 9; v. 243; p. 461.
- Gamble, Joseph W., Philadelphia, and H. E. Sibson, Cynwyd, Pa., assignors to Harrison Safety Boiler Works. Adjustable flow-measuring apparatus. No. 1,247,952; Nov. 27; v. 244; p. 927.
- Gamble, Robert F., Shelby, Miss. Calculator. No. 1,230,474; June 19; v. 239; p. 789.
- Gamewell Fire Alarm Telegraph Company. (See Beach, Clarence E., assignor.) (Reissue.)
- Gamewell Fire Alarm Telegraph Company, The. (See Beach and Doughty, assignors.)
- Gamewell Fire Alarm Telegraph Company. (See Cole, Frederick W., assignor.)
- Gamewell Fire Alarm Telegraph Company. (See Gaskill, Robert J., assignor.)
- Gamewell Fire Alarm Telegraph Company. (See Suren, Nathan H., assignor.)
- Gammel, Karl, assignor to The Cleveland Macaroni Company, Cleveland, Ohio. Package-filling machine. No. 1,222,199; Apr. 10; v. 237; p. 450.
- Gammel, Karl, assignor to The Cleveland Macaroni Company, Cleveland, Ohio. Mold for forming pastes. No. 1,236,555; Aug. 14; v. 241; p. 362.
- Gammel, Karl, assignor to The Cleveland Macaroni Company, Cleveland, Ohio. Machine for cutting dried pastes. No. 1,242,542; Oct. 9; v. 243; p. 381.
- Gammel, Karl, assignor to The Cleveland Macaroni Company, Cleveland, Ohio. Apparatus for drying macaroni and other edible pastes. No. 1,246,812; Nov. 13; v. 244; p. 528.
- Gammeter, John R. (See Martin, Christian H., assignor.)
- Gammeter, John R., Akron, Ohio. Balloon fabric. No. 1,247,658; Nov. 27; v. 244; p. 840.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Manufacture of rubber tubing. No. 1,210,455; Jan. 2; v. 234; p. 27.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Press for horizontal vulcanizers. No. 1,210,926; Jan. 2; v. 234; p. 190.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for producing rubber molding-blanks. No. 1,214,295; Jan. 30; v. 234; p. 1484.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Metal-studded tire. No. 1,214,537; Feb. 6; v. 235; p. 20.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Door-mounting for heaters. No. 1,226,766; May 22; v. 238; p. 1039.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanizing-press. No. 1,232,022; July 3; v. 240; p. 164.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Fluid-press for rubber footwear. No. 1,232,787; July 10; v. 240; p. 448.
- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire-callipers. No. 1,245,213; Nov. 6; v. 244; p. 22.

- Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making packing. No. 1,251,009; Dec. 25; v. 245; p. 875.
- Gammeter, John R., and C. H. Martin, Akron, Ohio; said Martin assignor to said Gammeter. Adjustable piano-bench. No. 1,237,499; Aug. 21; v. 241; p. 703.
- Gammeter, William F., Cadiz, Ohio. Metal cap for rolls. No. 1,222,943; Apr. 17; v. 237; p. 751.
- Gammons, William W., Jersey City, N. J. Sewing-machine. No. 1,222,618; Apr. 17; v. 237; p. 639.
- Gamper, Otto, Münchwilen, Switzerland. Machine for facilitating the packing of magnetic objects of oblong shape. (Reissue.) No. 1,429,000; Apr. 24; v. 237; p. 1193.
- Gamper, Otto, New York, N. Y. Machine for packing nails or other similar objects. No. 1,249,613; Dec. 11; v. 245; p. 373.
- Gams, Alfons and B. Schreiber, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Highly-active vitamin preparations thoroughly freed from inactive ingredients. No. 1,235,198; July 31; v. 240; p. 1325.
- Gams, Alfons, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Product derived from opium and making same. No. 1,243,729; Oct. 23; v. 243; p. 817.
- Gandell, William R. K., London, England. Joint for woodwork. No. 1,250,841; Dec. 18; v. 245; p. 775.
- Gandy, John T., assignor of one-third to H. M. Nix, Maplesville, Ala. Form for constructing concrete silos. No. 1,237,774; Aug. 21; v. 241; p. 792.
- Gann, David B. (See Watrous, Edward L., assignor.)
- Gannaway, Alonzo M., McCoy, Ky. Combined extensible and foldable table. No. 1,210,635; Jan. 2; v. 234; p. 89.
- Gannon, John W., Broadway, Mangaweka, New Zealand. Golosh. No. 1,217,167; Feb. 27; v. 235; p. 1073.
- Gans, Robert, New York, N. Y. Pencil-sharpening device. No. 1,234,652; July 24; v. 240; p. 1123.
- Gansle, Christian. (See Frindt, Joseph Z., assignor.)
- Ganson, Oscar B. (See Manning and Ganson.)
- Gant, Eugene M., Ethridge, Tenn. Rope-meter. No. 1,223,955; Apr. 24; v. 237; p. 1135.
- Gant, Jodie G., et al. (See Walter, Ira D., assignor.)
- Ganung, Mortimer B., Forestville, Conn. Snow-plow. No. 1,218,075; Mar. 6; v. 236; p. 65.
- Ganus, Joseph, Nocatee, Fla. Hose-coupling for railway air-brakes. No. 1,239,172; Sept. 4; v. 242; p. 144.
- Ganz, Phillip, Des Moines, Iowa. Ship-cleaning device. No. 1,213,091; Jan. 16; v. 234; p. 1004.
- Ganzeumüller, Adolph, Mount Vernon, N. Y. Scuttle-hole protector. No. 1,223,956; Apr. 24; v. 237; p. 1135.
- Ganzhorn, Charles S. (See Ganzhorn, Philip and C. S.)
- Ganzhorn, Philip, Chicago, and C. S. Ganzhorn, Glenelg, Ill. Meat-chopper. No. 1,215,362; Feb. 13; v. 235; p. 340.
- Gapp, John, Scranton, Pa. Track-sanding device. No. 1,219,542; Mar. 20; v. 236; p. 643.
- Gapp, John, Scranton, Pa. Gravity sanding device. No. 1,219,543; Mar. 20; v. 236; p. 643.
- Garard, Elmer E. (See Ickes, Peter C., assignor.)
- Garber, Samuel A., Fortuna, N. D. Whip-holder. No. 1,213,860; Jan. 30; v. 234; p. 1333.
- Garcia, Gonzalo A., Guadalajara, Mexico. Token-controlled vending-machine. No. 1,229,741; June 12; v. 239; p. 508.
- Garcia, Bruno, et al. (See Smith, John C., assignor.)
- Gard, Ronald A., Cylinder, Iowa. Hog-waterer. No. 1,251,215; Dec. 25; v. 245; p. 934.
- Garda, Enrico. (See Cantono, Eugenio, assignor.)
- Gardella, Lawrence. (See Hill and Gardella.)
- Gardener, Henry, Paterson, N. J. Closet-valve. No. 1,218,251; Mar. 6; v. 236; p. 128.
- Gardiner, Charles H., Bouton, Iowa. Disk-cultivator attachment. No. 1,238,998; Sept. 4; v. 242; p. 90.
- Gardiner, George, East Cleveland, Ohio. Soldering compound. No. 1,239,785; Sept. 11; v. 242; p. 369.
- Gardiner, James I., Seattle, Wash. Door display device. No. 1,234,005; July 17; v. 240; p. 878.
- Gardiner, M. T. (See Haughton, Nathaniel V., assignor.)
- Gardiner, Robert E., Sperling, Manitoba, Canada. Cultivator. No. 1,219,720; Mar. 20; v. 236; p. 704.
- Gardiner, William, Chicago, Ill. Storage battery. No. 1,213,182; Jan. 23; v. 234; p. 1068.
- Gardner, Benjamin F., assignor of one-half to S. Stedman, Chicago, Ill. Electrical signaling system. No. 1,233,046; July 10; v. 240; p. 531.
- Gardner, Charles P., Fort Recovery, Ohio. Snap-hook. No. 1,223,957; Apr. 24; v. 237; p. 1136.
- Gardner, Clyde, assignor to Burroughs Adding Machine Company, Detroit, Mich. Recording-machine. No. 1,223,379; Apr. 24; v. 237; p. 931.
- Gardner, Coe S., De Land, Fla., assignor of one-half to G. H. Foote, Jr. Air-pump attachment. No. 1,212,760; Jan. 16; v. 234; p. 892.
- Gardner, Dana D., Kansas City, Mo. Adjustable and foldable ironing-board structure. No. 1,213,475; Jan. 23; v. 234; p. 1172.
- Gardner, Edwin A., Chicago, Ill. Starter for internal-combustion engines. No. 1,241,206; Sept. 25; v. 242; p. 881.
- Gardner, Gilbert E., et al. (See Lendner, Augustus R., assignor.)
- Gardner, Henry A. (See Barton and Gardner.)
- Gardner, Henry A., Washington, D. C. Pigment and preparing the same. No. 1,216,980; Feb. 20; v. 235; p. 964.
- Gardner, Henry A., Washington, D. C. Pigment and preparing the same. No. 1,216,981; Feb. 20; v. 235; p. 964.
- Gardner, Henry A., Washington, D. C. Pigment. No. 1,220,973; Mar. 27; v. 236; p. 1175.
- Gardner, Henry A., Washington, D. C. Cement structure. No. 1,230,475; June 19; v. 239; p. 789.
- Gardner, Henry A., Washington, D. C. Recovering picric acid from washwater. No. 1,231,009; June 26; v. 239; p. 1007.
- Gardner, Henry A., Washington, D. C. Vulcanized rubber composition and preparing same. No. 1,247,257; Nov. 20; v. 244; p. 694.
- Gardner, Henry M. (See McNally and Gardner.)
- Gardner, Hugh H. (See McNally and Gardner.)
- Gardner, James, College Hill borough, assignor to Asbestos Protected Metal Company, Beaver Falls, Pa. Feeding and spacing mechanism for metal sheets. No. 1,220,623; Mar. 27; v. 236; p. 1058.
- Gardner, John, Knott End, England. Microphonic signaling device. No. 1,225,429; May 8; v. 238; p. 508.
- Gardner, John, Knott End, England. Stabilizer support for instruments. No. 1,237,027; Aug. 14; v. 241; p. 516.
- Gardner, John A., Grifton, N. C. Universal seed-planter. No. 1,222,386; Apr. 10; v. 237; p. 517.
- Gardner, John C., et al. (See Hawkinson, Nils W., assignor.)
- Gardner, John P., San Francisco, Cal. Nut-lock. No. 1,236,077; Aug. 7; v. 241; p. 177.
- Gardner, John T., assignor to The Bentel & Margedant Company, Hamilton, Ohio. Wheel-machine. No. 1,224,628; May 1; v. 238; p. 183.
- Gardner, Kirtland C., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Flexible shaft-coupling. No. 1,231,249; June 26; v. 239; p. 1087.
- Gardner, Lee, assignor of forty-five one-hundredths to J. F. Cannon, G. Dusenbery, and M. H. Caldwell, Concord, N. C. Hydrocarbon-burner. No. 1,240,333; Sept. 18; v. 242; p. 577.
- Gardner, Levi S., Cedar Grove, La. Carbureter. No. 1,221,164; Apr. 3; v. 237; p. 57.
- Gardner, Levi S., Cedar Grove, La. Rotary drill. No. 1,238,757; Sept. 4; v. 242; p. 12.
- Gardner, Levi S., Cedar Grove, La. Carbureter. No. 1,246,904; Nov. 20; v. 244; p. 593.
- Gardner, Levi S., Shreveport, La. Manifold. No. 1,246,903; Nov. 20; v. 244; p. 593.
- Gardner, Percy W., Holdenville, Okla. Flour-bin. No. 1,225,797; May 15; v. 238; p. 674.
- Gardner, Randall D., Boston, Mass. Counterbalancing device. No. 1,224,629; May 1; v. 238; p. 183.
- Gardner, Raymond, and P. E. Krier, Indianapolis, Ind. Safety-signal for automobiles. No. 1,234,329; July 24; v. 240; p. 1019.
- Gardner, Wallace E., St. Joseph, Mo. End-gate and locking means therefor. No. 1,239,899; Sept. 11; v. 242; p. 406.
- Gardon, Ambrose, Meacham, Saskatchewan, Canada. Plow. No. 1,224,371; May 1; v. 238; p. 92.
- Gardos, Armand, Cleveland, Ohio. Treated stocking. No. 1,219,451; Mar. 20; v. 236; p. 610.
- Gareau, Peter N., Pittsburgh, Pa. Shipping-case. No. 1,222,753; Apr. 17; v. 237; p. 687.
- Gareis, John G., Philadelphia, Pa. Bookbinding. No. 1,219,544; Mar. 20; v. 236; p. 643.
- Gareiss, Adam H., New York, N. Y. Folding furniture. No. 1,239,096; Sept. 4; v. 242; p. 121.
- Garfield, James R., trustee. (See Albert, Walter P., assignor.)
- Garfield, James R., trustee. (See Bonnar, James D., assignor.)
- Garfield, James R., trustee. (See Clement, Edward E., assignor.)
- Garfield, James R., trustee. (See Webster, Harry G., assignor.)
- Garfield, James R., trustee. (See Wright, Joseph L., assignor.)
- Garford Manufacturing Company, The. (See Dean, William W., assignor.)
- Garford Manufacturing Company, The. (See Manson, Ray H., assignor.)
- Gargano, Charles, assignor to F. Gargano, Elizabeth, N. J. Safety-envelop. No. 1,211,367; Jan. 2; v. 234; p. 337.
- Gargano, Fred. (See Gargano, Charles, assignor.)
- Garges, William H., Rutherford, N. J. Roofing-shingle and laying same. No. 1,227,776; May 29; v. 238; p. 1408.
- Gargiulo, Salvatore, assignor to The G & O Manufacturing Co., New Haven, Conn. Machine for producing radiator-tubing for automobiles. No. 1,225,730; May 8; v. 238; p. 608.
- Gargiulo, Salvatore, assignor to The G. & O. Mfg. Co., New Haven, Conn. Folding-machine for producing radiator units. No. 1,237,195; Aug. 14; v. 241; p. 566.
- Garis-Cochrane, Josephine, deceased; A. F. Colt, executrix, assignor to Garis-Cochrane Mfg. Co., Chicago, Ill. Dish-washing machine. No. 1,223,380; Apr. 24; v. 237; p. 932.
- Garis-Cochrane Mfg. Co. (See Garis-Cochrane, Josephine, assignor.)

Alphabetical list of patentees—Continued.

- Garity, Alfred W., Pittsfield, Mass. Automobile-signal. No. 1,232,023; July 3; v. 240; p. 164.
- Garland, John G., and J. A. Clinard, High Point, N. C. Nut-lock. No. 1,232,024; July 3; v. 240; p. 165.
- Garland, John L., Salem, Mass. Display-rack. No. 1,236,158; Aug. 7; v. 241; p. 202.
- Garland, Thomas H., Chicago, Ill. Heating system. No. 1,243,154; Oct. 16; v. 243; p. 609.
- Garlin, Max F., Chicago, Ill. Marginal folding device. No. 1,223,575; Apr. 24; v. 237; p. 1002.
- Garlock, William H., and W. J. Stubbe, Seattle, Wash. Bread-slicer. No. 1,212,045; Jan. 9; v. 234; p. 608.
- Garlock, William H., and W. J. Stubbe, Seattle, Wash. Bread-knife. No. 1,246,905; Nov. 20; v. 244; p. 593.
- Garman, Adrian S., Philadelphia, Pa. Window-screen. No. 1,216,794; Feb. 20; v. 235; p. 902.
- Garman, Adrian S., Philadelphia, Pa. Folding and extension table. No. 1,223,782; Apr. 24; v. 237; p. 1076.
- Garman, Charlie O., Goshen, Wash. Folding table. No. 1,238,999; Sept. 4; v. 242; p. 90.
- Garner, Asa B., Kitzmiller, Md. Powder-container. No. 1,225,610; May 8; v. 238; p. 569.
- Garner, James B., and H. D. Clayton, Pittsburgh, Pa., assignors to Metals Research Company, New York, N. Y. Manufacture of hydrochloric acid. No. 1,220,411; Mar. 27; v. 236; p. 985.
- Garner, James B., and H. D. Clayton, Pittsburgh, Pa., assignors to Metals Research Company, New York, N. Y. Utilization of sulfur dioxide. (Reissue.) No. 14,277; Mar. 27; v. 236; p. 1187.
- Garner Regim Machinery Company. (See Stephens, Louis K., assignor.)
- Garner, William W., Mission, Tex. Submarine-destroyer. No. 1,247,659; Nov. 27; v. 244; p. 841.
- Garnier, Thomas R., South Pasadena, assignor of one-half to A. E. Steddom, Los Angeles, Cal. Antifriction-bearing for stamp-mills. No. 1,228,312; May 29; v. 238; p. 1586.
- Garretson, David I., Brooklyn, N. Y. Handle for utensils which are subjected to heat. No. 1,235,309; July 31; v. 240; p. 1358.
- Garrett, Albert E., Yaverland, St. Albans, England. Producing white woolen goods. No. 1,217,744; Feb. 27; v. 235; p. 1274.
- Garrett, Robert E., Nashville, Tenn. Scale. No. 1,211,568; Jan. 9; v. 234; p. 442.
- Garrigan, Walter J., Bradford, Pa. Car-step. No. 1,220,087; Mar. 20; v. 236; p. 832.
- Garrison, Edward N., Bridgeport, Conn. Grease-cup. No. 1,230,088; June 12; v. 239; p. 622.
- Garrison, Flint, St. Louis, Mo. Swivel contact for electrical conductors. No. 1,247,660; Nov. 27; v. 244; p. 841.
- Garrison, William H. (See Harsch, Charles A., assignor.)
- Garrity, Carlotta M., Boston, Mass. Hair-waver. No. 1,221,437; Apr. 3; v. 237; p. 154.
- Garrivier, Adolphe, Toulouse, France. Monolithic concrete block adapted to snugly fit the rails. No. 1,212,046; Jan. 9; v. 234; p. 608.
- Garson, Thorvald N., Greenville, N. J. Crane. No. 1,228,659; June 5; v. 239; p. 96.
- Garst, Stephen H., Moline, Ill. Fertilizer-distributor. No. 1,210,636; Jan. 2; v. 234; p. 90.
- Garst, Stephen H., Moline, Ill. Manure-distributor. No. 1,215,794; Feb. 13; v. 235; p. 496.
- Garst, Stephen H., assignor to D. M. Sechler Implement & Carriage Co., Moline, Ill. Marker for corn-planters. No. 1,211,368; Jan. 2; v. 234; p. 338.
- Garst, Stephen H., assignor to D. M. Sechler Implement & Carriage Co., Moline, Ill. Corn-planter. No. 1,229,604; June 12; v. 239; p. 464.
- Garten, Charles P., Ashland, Ky. Hinged bottom for dry measures. No. 1,217,588; Feb. 27; v. 235; p. 1222.
- Garthwaite, William. (See Vaguean, Lavandeyra, and Garthwaite.)
- Gartley, William H., assignor to The United Gas Improvement Company, Philadelphia, Pa. Manufacture of toluol. No. 1,225,237; May 8; v. 238; p. 441.
- Gartley, William H., Philadelphia, and S. P. M. Tasker, Wynnewood, assignors to The United Gas Improvement Co., Philadelphia, Pa. Means for receiving and discharging coke from gas-retorts. No. 1,232,462; July 3; v. 240; p. 305.
- Gartrell, Clifford E., Wadsworth, Tex. Tank. No. 1,213,183; Jan. 23; v. 234; p. 1069.
- Gartrell, Sterne H., Kansas City, Mo. Composite bench. No. 1,223,576; Apr. 24; v. 237; p. 1002.
- Garver, Allen J., Clarkston, Wash. Apparatus for treating ores. No. 1,243,505; Oct. 16; v. 243; p. 715.
- Garvey, Christopher A., Clayton, Mo. Fountain-brush. No. 1,250,842; Dec. 18; v. 245; p. 775.
- Garvey, Edward, Farmington, Minn. Liquid-measuring apparatus. No. 1,211,430; Jan. 9; v. 234; p. 395.
- Garvey, Henry A., assignor to Packard Motor Car Company, Detroit, Mich. Gear-cutting machine. No. 1,210,456; Jan. 2; v. 234; p. 27.
- Garvey, James D., Chicago, Ill. Brush. No. 1,240,558; Sept. 18; v. 242; p. 647.
- Garvin, Fred A., Washington, D. C. Stone-rake. No. 1,223,268; Apr. 17; v. 237; p. 860.
- Jarvin, James E., Albany, N. Y. Anchor. No. 1,249,062; Dec. 4; v. 245; p. 184.
- Garwood Company. (See Focardi, Pier-Luigi, assignor.)
- Garwood Company. (See Pauli, Carl, assignor.)
- Gary, Howland R. (See Cummings, Henry H., assignor.)
- Gary, Shirley L., South Richmond, Va. Rod-packing. No. 1,223,688; Apr. 24; v. 237; p. 1043.
- Garza, Ricardo, San Antonio, Tex. Composition for sealing tire-punctures and the like. No. 1,247,814; Nov. 27; v. 244; p. 888.
- Gas-Electric Motorbus Corporation. (See Weaver, Harold B., assignor.)
- Gas Oil Stove Company. (See Best, William J., assignor.)
- Gas Oil Stove Company. (See Chapman, Nathan C., assignor.)
- Gas-Zünder Gesellschaft m. b. H. (See Kleinschmidt, Halpern, and Pospischil, assignors.)
- Gasiowski, John T., assignor of one-third to G. J. Brann, Exeter borough, Pa. Molding-cap machine. No. 1,235,460; July 31; v. 240; p. 1402.
- Gaskell, Ellsworth F., assignor of one-half to C. G. Goddard, New York, N. Y. Hydrocarbon-engine. No. 1,239,682; Sept. 11; v. 242; p. 336.
- Gaskill, Robert J., Fort Wayne, Ind., assignor to Game-well Fire Alarm Telegraph Company, Newton Upper Falls, Mass. Non-interference successive signal-box. No. 1,215,515; Feb. 13; v. 235; p. 395.
- Gaskin, Thomas H., Woodford, assignor to The G. L. B. Syndicate Limited, London, England. Reversible boat. No. 1,241,367; Sept. 25; v. 242; p. 933.
- Gasparaitis, Stanley, Chicago, Ill. Pressure-fountain paint-brush. No. 1,221,170; Apr. 3; v. 237; p. 60.
- Gasper, Emil, Grass Valley, Cal. Vehicle-wheel. No. 1,221,721; Apr. 3; v. 237; p. 249.
- Gassmann, Eugene, assignor to Eisemann Magneto Co., Brooklyn, N. Y. Impulse-starter. No. 1,251,216; Dec. 25; v. 245; p. 934.
- Gassmann, Eugene, assignor to Eisemann Magneto Co., Brooklyn, N. Y. Ignition device for internal-combustion engines. No. 1,251,217; Dec. 25; v. 245; p. 935.
- Gassner, Charles M. (See Tomasko and Gassner.)
- Gaston, Roscoe D., Hastings, Nebr. Truck attachment for automobiles. No. 1,236,286; Aug. 7; v. 241; p. 243.
- Gastonguay, Albert, Le Roy, N. Y. Builder-motion for spinning or winding machines. No. 1,245,453; Nov. 6; v. 244; p. 93.
- Gatchell, George S. (See Molyneux and Gatchell.)
- Gatchell, George S., Roselle Park, N. J., assignor to The Singer Manufacturing Company. Sewing-machine guide. No. 1,248,841; Dec. 4; v. 245; p. 123.
- Gates, Albert J., assignor to Hanna Engineering Works, Chicago, Ill. Lubricator. No. 1,211,431; Jan. 9; v. 234; p. 395.
- Gates, Arthur O., La Fayette, Ind. Concentrator. No. 1,213,348; Jan. 23; v. 234; p. 1128.
- Gates, Frank S. (See Cross, Neal, assignor.)
- Gates, George E., Comstock, Mich. Loose-sheet holder. No. 1,251,010; Dec. 25; v. 245; p. 875.
- Gates, Frederic P., assignor to The Arrow Electric Company, Hartford, Conn. Push-button switch. No. 1,234,749; July 31; v. 240; p. 1187.
- Gates, Frederic P., assignor to The Arrow Electric Company, Hartford, Conn. Electric-lamp socket. No. 1,245,699; Nov. 6; v. 244; p. 169.
- Gates, Henrie W., Olalla, Wash. Garden-hoe. No. 1,235,790; Aug. 7; v. 241; p. 85.
- Gates, Leon S., Cincinnati, Ohio. Practice device for golf and like outdoor games. No. 1,218,390; Mar. 6; v. 236; p. 174.
- Gates, Olaus, and H. A. Smith, Arnolds Park, Iowa; said Gates assignor to said Smith. Lifting-jack. No. 1,228,015; May 29; v. 238; p. 1489.
- Gates, Philetus W., assignor to Hanna Engineering Works, Chicago, Ill. Lubricator. No. 1,211,432; Jan. 9; v. 234; p. 396.
- Gates, Quincy A. (See Bunnell and Gates.)
- Gates, William, New Haven, assignor of one-half to M. S. Bottume, Montwese, Conn. Fastener. No. 1,233,215; July 10; v. 240; p. 587.
- Gates, William, New Haven, and F. W. Bottume, Wallingford; said F. W. Bottume assignor of one-half of the whole right to M. S. Bottume, Montwese, Conn. Curtain-fastener. No. 1,233,216; July 10; v. 240; p. 587.
- Gates, William H., New Haven, Conn. Hand-operated die-head. No. 1,242,897; Oct. 9; v. 243; p. 494.
- Gates, William R., Providence, R. I., assignor to Revere Rubber Company. Die for tire-tubing machines. No. 1,245,898; Nov. 6; v. 244; p. 229.
- Gathmann, Emil, Baltimore, Md. Ingot and ingot-mold. No. 1,241,618; Oct. 2; v. 243; p. 49.
- Gathmann, Emil, Baltimore, Md. Ingot-mold. No. 1,246,738; Nov. 13; v. 244; p. 507.
- Gathright, Josiah B., Louisville, Ky. Wrench. No. 1,243,506; Oct. 16; v. 243; p. 715.
- Gateke, William, Portland, Oreg. Wood-pulp-forming machine. No. 1,215,516; Feb. 13; v. 235; p. 395.
- Gatein, Edward C., Kansas City, Mo. Garment-support. No. 1,225,611; May 8; v. 238; p. 570.
- Gatein, Walter R., Hopkinsville, Ky. Bag-fastener. No. 1,236,159; Aug. 7; v. 241; p. 202.
- Gatten, Thomas A., Brainerd, Minn. Molder's trowel. No. 1,244,487; Oct. 30; v. 243; p. 1085.
- Gattermeir, Bernhardt M., California, Mo. Gas-pressure regulator. No. 1,218,543; Mar. 6; v. 236; p. 225.

- Gattie, Alfred W. (See Seaman, Osborne, Cox, and Gattie.)
- Gattis, Thomas W., Lohn, assignor of one-half to S. W. Hughes, Brady, Tex. Scale-beam. No. 1,213,620; Jan. 23; v. 234; p. 1222.
- Gauch, Orlando S., New Haven, Conn. Pad-holder. No. 1,236,698; Aug. 14; v. 241; p. 410.
- Gaudet, Joseph. (See Comeau, Augustine F., assignor.)
- Gaudy, Ralph J., Detroit, Mich. Producing smoke for curing meats. No. 1,225,798; May 15; v. 238; p. 675.
- Gaulden, William T. (See Harrington, Bryant P., assignor.)
- Gauldie, Kenneth, Glasgow, Scotland. Hydraulic means for compressing gases. No. 1,237,196; Aug. 14; v. 241; p. 566.
- Gault, Charles E. (See Cushing, William H., assignor.)
- Gault, Frank W., Jr., Okolona, Ky. Gas-burner. No. 1,231,726; July 3; v. 240; p. 65.
- Gault, Joseph P., assignor of one-third to W. Phillips and one-third to V. L. Bruner, Louisville, Ky. Engineer's brake-valve. No. 1,239,585; Sept. 11; v. 242; p. 304.
- Gault, Mary V. (See Siegmann, William G. F., assignor.)
- Gaumont, Léon, Paris, France, assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Apparatus for taking cinematographic views in colors. No. 1,213,184; Jan. 23; v. 234; p. 1069.
- Gaumont, Léon, Paris, France, assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Cinematograph for natural-color projections by the three-color process. No. 1,223,381; Apr. 24; v. 237; p. 932.
- Gaumont, Léon, Paris, France, assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Cinematograph for projection in natural colors by the three-color process. No. 1,233,772; July 17; v. 240; p. 803.
- Gaumont, Léon, assignor to Société des Etablissements Gaumont, Paris, France. Screen for projecting. No. 1,231,727; July 3; v. 240; p. 65.
- Gause, Benjamin, Cincinnati, Ohio. Ventilating device. No. 1,216,795; Feb. 20; v. 235; p. 903.
- Gauss, Charles J., Duluth, Minn. Clothes-reel. No. 1,220,215; Mar. 27; v. 236; p. 914.
- Gauss, Julius M., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Battery-cell. No. 1,214,669; Feb. 6; v. 235; p. 66.
- Gauthier, Albert E., Bay City, Mich. Railway-signal. No. 1,216,982; Feb. 20; v. 235; p. 965.
- Gautier, Pierre T., St. Louis, Mo. Spark-plug. No. 1,246,414; Nov. 13; v. 244; p. 411.
- Gautschi, Heinrich, Basel, Switzerland. Folding device for umbrella-sticks. No. 1,226,877; May 22; v. 238; p. 1076.
- Gaver, Joseph G., Humphrey, Nebr. Table. No. 1,248,842; Dec. 4; v. 245; p. 123.
- Gavelek, Oscar, Chicago, Ill. Carbureter. No. 1,239,173; Sept. 4; v. 242; p. 145.
- Gavette, Ralph U., Grand Junction, Colo. Fruit-picker's sack. No. 1,216,561; Feb. 20; v. 235; p. 822.
- Gavin, Joseph A., Brooklyn, N. Y. Waterproof-paper cape. No. 1,220,088; Mar. 20; v. 236; p. 833.
- Gavin, Joseph A., Brooklyn, N. Y. Ink-guard for typists' fingers. No. 1,235,199; July 31; v. 240; p. 1325.
- Gavlak, Joseph G., Monongahela, Pa. Kitchen utensil. No. 1,225,430; May 8; v. 238; p. 509.
- Gawley, George J., Fleet, England. Percussive tool. No. 1,225,612; May 8; v. 238; p. 570.
- Gaxiola, Aurelio R. (See Guerrero, Viosca, and Gaxiola.)
- Gay, Arthur S., Everett, Wash. Spring-heel. No. 1,218,391; Mar. 6; v. 236; p. 175.
- Gay, Arthur S., Everett, Wash. Spring-heel. No. 1,218,392; Mar. 6; v. 236; p. 175.
- Gay, Cassius M., Los Angeles, Cal. Combined stud-bolt and securing-sleeve. No. 1,232,274; July 3; v. 240; p. 247.
- Gay, Cassius M., Los Angeles, Cal. Support for articles. No. 1,248,843; Dec. 4; v. 245; p. 124.
- Gay, Frank P., Prairie View, Kans. Wind-wheel. No. 1,230,885; June 26; v. 239; p. 963.
- Gay, George W., Corona, N. Y. Anesthetic-inhaler. No. 1,222,619; Apr. 17; v. 237; p. 640.
- Gay, Lloyd T., Taft, Cal. Rod-rotating tee. No. 1,221,438; Apr. 3; v. 237; p. 154.
- Gay, Nelson, Portland, Oreg. Calking-machine. No. 1,247,815; Nov. 27; v. 244; p. 888.
- Gayley, James, New York, N. Y. Method and apparatus for sintering ores. No. 1,247,661; Nov. 27; v. 244; p. 841.
- Gaylord Bros. (See Ridall, Harry M., assignor.)
- Gaylord, Edwin P., Rochester, N. Y. Stationary wash-stand. No. 1,218,755; Mar. 13; v. 236; p. 340.
- Gaylord, Henry J. (See Gaylord, Willis E., and H. J.)
- Gaylord, Robert H., Pasadena, assignor to R. H. Gaylord Company, Los Angeles, Cal. Elevator-signal. No. 1,215,795; Feb. 13; v. 235; p. 496.
- Gaylord, Robert H., Pasadena, assignor to R. H. Gaylord Company, Los Angeles, Cal. Elevator-signal. No. 1,221,527; Apr. 3; v. 237; p. 185.
- Gaylord, Robert H., Pasadena, and G. B. Capps, Los Angeles, Cal. Electrical motive apparatus. No. 1,235,132; July 31; v. 240; p. 1305.
- Gaylord, Willis E. and H. J., Syracuse, N. Y. Temporary binder. No. 1,219,721; Mar. 20; v. 236; p. 704.
- Gaynor, Arthur C., Bridgeport, Conn. Ceiling and floor plate. No. 1,229,061; June 5; v. 239; p. 230.
- Gaynor, Arthur C., Bridgeport, Conn. Making bullets and similar articles. No. 1,234,653; July 24; v. 240; p. 1123.
- Gaynor, Arthur C., Bridgeport, Conn. Die for making bullets and similar articles. No. 1,234,654; July 24; v. 240; p. 1123.
- Gaynor, Arthur C., Bridgeport, Conn. Autographic register. No. 1,235,677; Aug. 7; v. 241; p. 47.
- Gaynor, Thomas F., Brooklyn, N. Y., and F. Griffin, London, England. Sighting and range-finding device for firearms. No. 1,222,620; Apr. 17; v. 237; p. 640.
- Gaytes, Herbert, et al. (See Pouchan, Germain, assignor.)
- Gealy, George M., Grove City, Pa. Reversible ratchet wrench. No. 1,244,596; Oct. 30; v. 243; p. 1119.
- Gearhart, Roy E., et al. (See Jones, William W., assignor.)
- Geary, Isaac, London, England. Tie-fitting. No. 1,237,500; Aug. 21; v. 241; p. 703.
- Gebauer, Charles L. (See Bates, Charles F. W., assignor.)
- Gebauer, Charles L., Cleveland, Ohio. Producing metal bodies. No. 1,223,322; Apr. 17; v. 237; p. 878.
- Gebert, Albert E. (See Antoine, Gebert, and Travis.)
- Gebhard, George M., Rochester, N. Y. Fire and rain alarm. No. 1,239,383; Sept. 4; v. 242; p. 212.
- Gebhard, John W., Vandergrift, assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Hardening castings. No. 1,239,586; Sept. 11; v. 242; p. 305.
- Gebhard, Lawrence G., and J. M. Rowley, Buffalo, N. Y. Vaporizer. No. 1,213,349; Jan. 23; v. 234; p. 1128.
- Gebhardt, Bernard F., Freeport, N. Y. Rotary internal-combustion engine. No. 1,213,092; Jan. 16; v. 234; p. 1004.
- Gebhardt, Edmund F., Easton, Pa. Relief-valve. No. 1,230,289; June 19; v. 239; p. 727.
- Gebhardt, Joseph. (See Henry, Murray, assignor.)
- Gebhardt, Katharina, Berlin, Germany. Device for the preparation of extracts. No. 1,235,791; Aug. 7; v. 241; p. 85.
- Gebhart, John C., assignor to F. Low, St. Louis, Mo. Reel for rewinding measured lengths of textile fabrics. No. 1,220,974; Mar. 27; v. 236; p. 1175.
- Gebhart, John C., assignor, by mesne assignments, to Econometer Company, St. Louis, Mo. Machine for measuring textile fabric and computing the price thereof. No. 1,250,843; Dec. 18; v. 245; p. 775.
- Gebhart, John C., assignor, by mesne assignments, to Econometer Company, St. Louis, Mo. Machine for measuring textile fabric and computing the price thereof. No. 1,250,844; Dec. 18; v. 245; p. 776.
- Gebhart, John C., assignor, by mesne assignments, to Econometer Company, St. Louis, Mo. Apparatus for measuring textile fabric and computing the price thereof. No. 1,250,845; Dec. 18; v. 245; p. 776.
- Gedcke, Edwin, Kindersley, Saskatchewan, Canada. Plow-share. No. 1,234,006; July 17; v. 240; p. 879.
- Geddes, William L., Merion, Pa. Gage. No. 1,238,127; Aug. 28; v. 241; p. 937.
- Gedge, Burton H., Anderson, Ind. Storm-door. No. 1,230,148; June 19; v. 239; p. 679.
- Gee, John S., Kansas City, Mo. Memorandum-pad holder for desk-telephones. No. 1,213,185; Jan. 23; v. 234; p. 1070.
- Gee, Norman E. (See Schroeder, Frank J., assignor.)
- Geer, George and W. Vinton county, Ohio. Axle-mounting for motor-vehicles. No. 1,214,151; Jan. 30; v. 234; p. 1432.
- Geer, Harry R., Johnstown, Pa. Cutting-tool. No. 1,210,457; Jan. 2; v. 234; p. 27.
- Geer, Paul L., San Jose, Cal. Oil-vapor-heating torch. No. 1,233,217; July 10; v. 240; p. 587.
- Geer, Paul L., San Jose, Cal. Fuel-oil outside atomizer. No. 1,235,678; Aug. 7; v. 241; p. 47.
- Geer, Paul L., San Jose, Cal. Self-generating heating-torch. No. 1,236,699; Aug. 14; v. 241; p. 410.
- Geer, Paul L., San Jose, Cal. Oxygen-acetylene welding-torch. No. 1,236,833; Aug. 14; v. 241; p. 453.
- Geer, Seth H., Milwaukee, Wis. Decorated metal ornament and making same. No. 1,210,637; Jan. 2; v. 234; p. 90.
- Geer, Wesley. (See Geer, George and W.)
- Geer, William C., Akron, Ohio. Writing implement or device. No. 1,230,149; June 19; v. 239; p. 680.
- Geer, William C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pneumatic tire. No. 1,214,670; Feb. 6; v. 235; p. 67.
- Geer, William C., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Compounding of rubber. No. 1,245,700; Nov. 6; v. 244; p. 170.
- Geeslin, Robert W., Caradon, Tex. Apparatus for destroying insects. No. 1,219,096; Mar. 13; v. 236; p. 458.
- Geesy, Josiah S., York, Pa. Show-case. No. 1,229,062; June 5; v. 239; p. 230.
- Gegenheimer, John F., Jeannette, Pa. Apparatus for making hollow glass articles. No. 1,212,135; Jan. 9; v. 234; p. 638.
- Gehl, Henry M., West Bend, Wis. Flexible distributor-pipe. No. 1,220,740; Mar. 27; v. 236; p. 1098.
- Gehm, William H., St. Louis, Mo. Ice-creeper. No. 1,218,756; Mar. 13; v. 236; p. 340.

Alphabetical list of patentees—Continued.

- Gehman, Charles A., New York, N. Y., and J. W. Hughes, Narberth, Pa., assignors to Gehman Pump Company, Phoenix, Ariz. Pump. No. 1,225,124; May 8; v. 238; p. 404.
- Gehman Pump Company. (See Gehman and Hughes, assignors.)
- Gehrig, William F., Newark, N. J. Detonating toy. No. 1,240,434; Sept. 18; v. 242; p. 609.
- Gehring, John, *et al.* (See Kilby, Herbert N., assignor.)
- Geier, John H., Gallion, Ohio. Adjustable sole-pattern. No. 1,239,475; Sept. 11; v. 242; p. 269.
- Geiger, Albert W., Bridgeport, Conn. Elastic strip. No. 1,211,696; Jan. 9; v. 234; p. 485.
- Geiger, Bertha A., assignor of one-half to W. F. Geiger, Chicago, Ill., and one-half to E. W. Lawrence, Mount Vernon, N. Y. Life-preserver. No. 1,230,290; June 19; v. 239; p. 728.
- Geiger, Charles G., St. Joseph, Mo. Orthopedic and fracture extension device. No. 1,216,434; Feb. 20; v. 235; p. 778.
- Geiger, Cornelius M., St. Petersburg, Fla. Skirt-fastener. No. 1,225,613; May 8; v. 238; p. 570.
- Geiger, Frederick J. (See Davis, Anthony E., assignor.)
- Geiger, Frederick J., and A. E. Davis, Philadelphia, Pa. Means for use in making concrete sky-vault or floor lights. No. 1,211,133; Jan. 2; v. 234; p. 258.
- Geiger, Frederick J., and A. E. Davis, Philadelphia, Pa. Vault-sky- or floor-light construction. No. 1,245,214; Nov. 6; v. 244; p. 22.
- Geiger, George A. (See Gibbs and Geiger.)
- Geiger, William A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Roller side bearing for railway-cars. No. 1,223,323; Apr. 17; v. 237; p. 879.
- Geiger, William A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction-gear. No. 1,235,461; July 31; v. 240; p. 1402.
- Geiger, William F., *et al.* (See Geiger, Bertha A., assignor.)
- Geil, Philip, Piqua, Ohio. Undergarment. No. 1,245,215; Nov. 6; v. 244; p. 22.
- Geisel, Emil, Barnes, London, England, assignor to General Electric Company. Metallic-filament incandescent electric lamp. No. 1,223,958; Apr. 24; v. 237; p. 1136.
- Geisendorff, Frederick M., assignor of one-half to C. W. Ziegler and one-sixth to C. Hamblen, Indianapolis, Ind. Ammonia-pump mechanism for refrigeration. No. 1,231,518; June 26; v. 239; p. 1174.
- Geisenhöner, Henry, Schenectady, N. Y., assignor to General Electric Company. Electric welding. No. 1,242,171; Oct. 9; v. 243; p. 264.
- Geisert, Nicholas P., Elmo, Kans. Separable fastener. No. 1,247,258; Nov. 20; v. 244; p. 694.
- Geissenhainer, Frederick W. (See Cumner and Geissenhainer.)
- Geisslinger, Johann, Geneva, assignor of one-half to Fabrique Internationale d'Appareils à Magneto S. A. (F. I. A. M.), Geneva-Acacias, Switzerland, and one-half to Marburg Brothers, New York, N. Y. Dynamo-electric machine. No. 1,210,638; Jan. 2; v. 234; p. 90.
- Geisslinger, Johann, Geneva, assignor of one-half to Fabrique Internationale d'Appareils à Magneto S. A. (F. I. A. M.), Geneva-Acacias, Switzerland, and one-half to Marburg Brothers, New York, N. Y. Dynamo-electric machine. No. 1,210,639; Jan. 2; v. 234; p. 91.
- Geist, Carlton. (See Wiederwax, Robert W., assignor.)
- Geist, Harry F., assignor to Webster Electric Company, Racine, Wis. Ignition mechanism for internal-combustion engines. No. 1,231,149; June 26; v. 239; p. 1054.
- Geist, Josef, Kraiburg-on-the-Inn, Germany. Grasping-tongs. No. 1,247,662; Nov. 27; v. 244; p. 842.
- Geist, Simon, *et al.* (See Snyder, Charles P., assignor.)
- Geiston, Pat, *et al.* (See Baum, James B., assignor.)
- Geitner, Alexander L., Rochester, N. Y. Facing-tool. No. 1,240,701; Sept. 18; v. 242; p. 690.
- Gelatt, Philo M. (See Williams, Oliver J., assignor.)
- Gelatt, Philo M., La Crosse, Wis. Gage. No. 1,233,338; July 17; v. 240; p. 660.
- Gelb, Joseph, New York, N. Y. Carbon-holder for arc-lights. No. 1,244,048; Oct. 23; v. 243; p. 916.
- Gelbart, Theophilus A., New York, N. Y. Knockdown furniture. No. 1,225,431; May 8; v. 238; p. 509.
- Gell, John, Rochester, N. Y. Box-making machine. No. 1,247,259; Nov. 20; v. 244; p. 694.
- Geller, William A., and F. D. Hunt, Los Angeles, Cal. Paper-support and adjustable stop attachment for typewriters. No. 1,248,102; Nov. 27; v. 244; p. 967.
- Gelow, Albert. (See Stebbins and Gelow.)
- Gelt, Gabriel G., Boston, Mass. Electromagnetic brake. No. 1,246,257; Nov. 13; v. 244; p. 363.
- Geltz, William T., Cleveland, Ohio. Workman's time-recorder. No. 1,217,589; Feb. 27; v. 235; p. 1222.
- Gem Fountain Pen Corporation. (See Heilbrun, Monroe E., assignor.)
- Gemeinder, Emil, Philadelphia, Pa. Receptacle. No. 1,220,975; Mar. 27; v. 236; p. 1176.
- Gemeny, Richard H., and R. Reed, Washington, D. C. Window-screen and screen-guide. No. 1,219,817; Mar. 20; v. 236; p. 738.
- Geminden, Frank, Jamestown, Mo. Water-heater or cooker. No. 1,218,851; Mar. 13; v. 236; p. 376.
- Geminden, Frank, and F. Kiel, Moniteau county, Mo. Thresher or separator. No. 1,229,063; June 5; v. 239; p. 231.
- Gemmill, Worthy D., assignor to Parish & Bingham Company, Cleveland, Ohio. Temporary connection for metal structures. No. 1,232,527; July 10; v. 240; p. 363.
- Gemmill, Worthy D., assignor to Parish & Bingham Company, Cleveland, Ohio. Temporary connection for metal structures. No. 1,232,528; July 10; v. 240; p. 363.
- Gendron, Armini, and J. R. Richardson, Madera, Cal. Mold for constructing concrete walls. No. 1,240,435; Sept. 18; v. 242; p. 609.
- Gendron, Armini, and J. R. Richardson, Madera, Cal. Mold for constructing hollow walls of concrete. No. 1,240,436; Sept. 18; v. 242; p. 609.
- Gendron, Joseph A., Nashua, N. H. Shuttle-motion for looms. No. 1,211,569; Jan. 9; v. 234; p. 442.
- Gendron Wheel Company. (See Vogel, Joshua F., assignor.)
- General Abrasive Company. (See Richmond, Harold A., assignor.)
- General Appliance Company. (See Rowland, Samuel C., assignor.)
- General Automatic Scale Company, The. (See Schaper, Henry C., assignor.)
- General Bakelite Company. (See Bakeland, Leo H., assignor.)
- General Briquetting Company. (See Gilmore, Thomas, Jr., assignor.)
- General Briquetting Company. (See Jacomini, Marius P., assignor.)
- General Briquetting Company. (See Kristufek, Ladislav F., assignor.)
- General Briquetting Company. (See Schumacher, Wilhelm, assignor.)
- General Briquetting Company. (See Vogel, Felix A., assignor.)
- General Carbonic Co. (See Levy, Fortunato, assignor.)
- General Chemical Company. (See Laury, N. Arthur, assignor.)
- General Chemical Company. (See Stout, Harry H., assignor.)
- General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
- General Electric Company. (See Alquist, Karl, assignor.)
- General Electric Company. (See Armor, James C., assignor.)
- General Electric Company. (See Atwood, Winfield A., assignor.)
- General Electric Company. (See Axtell, Clinton J., assignor.)
- General Electric Company. (See Bailey, Percy S., assignor.)
- General Electric Company. (See Barrow, Charles J., assignor.)
- General Electric Company. (See Basch, David, assignor.)
- General Electric Company. (See Bassett, John B., assignor.)
- General Electric Company. (See Batchelder, Asa F., assignor.)
- General Electric Company. (See Beach, Ralph L., assignor.)
- General Electric Company. (See Beechlyn, John T., assignor.)
- General Electric Company. (See Benbow, Burnie L., assignor.)
- General Electric Company. (See Bergman, Sven R., assignor.)
- General Electric Company. (See Blondel, André, assignor.)
- General Electric Company. (See Bradley, Charles S., assignor.)
- General Electric Company. (See Brand, Frederick F., assignor.)
- General Electric Company. (See Brocklebank, Arthur P., assignor.)
- General Electric Company. (See Brooks, Alfred A., assignor.)
- General Electric Company. (See Brown and Klingman, assignors.)
- General Electric Company. (See Burnham, George A., assignor.)
- General Electric Company. (See Carothers, Robert M., assignor.)
- General Electric Company. (See Carter and Crocker, assignors.)
- General Electric Company. (See Carver, James H., assignor.)
- General Electric Company. (See Case, Frank E., assignor.)
- General Electric Company. (See Chatain, Henri G., assignor.)
- General Electric Company. (See Clifford, Harry E., assignor.)
- General Electric Company. (See Clough, John H., assignor.)
- General Electric Company. (See Collins, Edgar F., assignor.)
- General Electric Company. (See Coolidge, William D., assignor.)
- General Electric Company. (See Craighead, James R., assignor.)
- General Electric Company. (See Creighton, Elmer E. F., assignor.)
- General Electric Company. (See Davis, Archibald H., assignor.)

- General Electric Company. (See Dawson, William F., assignor.)
- General Electric Company. (See Day, Windeler, and Grant, assignors.) (Reissue.)
- General Electric Company. (See Dempster, John T., assignor.)
- General Electric Company. (See Dempster, Leonard E., assignor.)
- General Electric Company. (See Dickinson, Edgar D., assignor.)
- General Electric Company. (See Dodge, Austin R., assignor.) (Reissue.)
- General Electric Company. (See Dolivo-Dobrowolsky, Michael, assignor.)
- General Electric Company. (See Dorgeloh, George H., assignor.)
- General Electric Company. (See Dorsey and Blake, assignors.)
- General Electric Company. (See Du Bois, Delafield, assignor.)
- General Electric Company. (See Eaton, John, assignor.)
- General Electric Company. (See Edwards, Evan J., assignor.)
- General Electric Company. (See Ellis, Alvarado L. R., assignor.)
- General Electric Company. (See Emmet, William L. R., assignor.)
- General Electric Company. (See Evans, Evan, assignor.)
- General Electric Company. (See Fagan and Quackenbush, assignors.)
- General Electric Company. (See Fiego, Alexander J. R., assignor.)
- General Electric Company. (See Field-Frank, Crosby, assignor.)
- General Electric Company. (See Fisher, Ernest F., assignor.)
- General Electric Company. (See Fleischmann, Lionel, assignor.)
- General Electric Company. (See Fonda, Gorton R., assignor.)
- General Electric Company. (See Forrest, Oscar E., assignor.)
- General Electric Company. (See Frech and Fagan, assignors.)
- General Electric Company. (See Friederich, Ernst, assignor.)
- General Electric Company. (See Fuller, Truman S., assignor.)
- General Electric Company. (See Goggin, James P., assignor.)
- General Electric Company. (See Geisel, Emil, assignor.)
- General Electric Company. (See Geisenhöner, Henry, assignor.)
- General Electric Company. (See Gray, George F., assignor.)
- General Electric Company. (See Hall, Chester I., assignor.)
- General Electric Company. (See Halliwell, Reginald F., assignor.)
- General Electric Company. (See Halvorson, Cromwell A. B., Jr., assignor.)
- General Electric Company. (See Halvorson and Harraden, assignors.)
- General Electric Company. (See Harthan, Charles E., assignor.)
- General Electric Company. (See Hendricks, Allan B., Jr., assignor.)
- General Electric Company. (See Hull, Albert W., assignor.)
- General Electric Company. (See Hunt, Louis J., assignor.)
- General Electric Company. (See Ishler, Willis A., assignor.)
- General Electric Company. (See Jackson, William P., assignor.)
- General Electric Company. (See Jacobs, Ernest H., assignor.)
- General Electric Company. (See Johannesen, Svend E., assignor.)
- General Electric Company. (See Jones, Walter J., assignor.) (Reissue.)
- General Electric Company. (See Kaemmerling, Gustav H., assignor.)
- General Electric Company. (See Kearsley, William K., assignor.)
- General Electric Company. (See Keene, Alvin D., assignor.)
- General Electric Company. (See Kieser, Walter, assignor.)
- General Electric Company. (See Kieser and Pagel, assignors.)
- General Electric Company. (See Korthals-Altes, Willem C., assignor.)
- General Electric Company. (See Krämer, Bernhard, assignor.)
- General Electric Company. (See Krämer, Christian, assignor.)
- General Electric Company. (See La France, Alfred, assignor.)
- General Electric Company. (See Langmuir, Irving, assignor.)
- General Electric Company. (See Larson, Carl W., assignor.)
- General Electric Company. (See Lasche, Oskar, assignor.)
- General Electric Company. (See Laycock, Harry A., assignor.)
- General Electric Company. (See Lemp, Hermann, assignor.)
- General Electric Company. (See Lemp and Stock, assignors.)
- General Electric Company. (See Libby, Sam H., assignor.)
- General Electric Company. (See Linebaugh, Jesse J., assignor.)
- General Electric Company. (See Ljungström, Fredrik and B., assignors.)
- General Electric Company. (See Loewenstein, Louis C., assignor.)
- General Electric Company. (See Luckiesh, Matt, assignor.)
- General Electric Company. (See Lumley, Wilfrid, assignor.)
- General Electric Company. (See Mackay, George M. J., assignor.)
- General Electric Company. (See March, Fred C., assignor.)
- General Electric Company. (See Martin, John, assignor.)
- General Electric Company. (See Marvin, Richard H., assignor.)
- General Electric Company. (See McLain, Robert H., assignor.)
- General Electric Company. (See Meikle, George S., assignor.)
- General Electric Company. (See Merriam, Ezra B., assignor.)
- General Electric Company. (See Miller, William H., assignor.)
- General Electric Company. (See Murphy, Edwin J., assignor.)
- General Electric Company. (See Needham, Harry H., assignor.)
- General Electric Company. (See Nicol, August, assignor.)
- General Electric Company. (See Nordgren, Werner, assignor.)
- General Electric Company. (See Norton, Fred E., assignor.)
- General Electric Company. (See Ohnstad, John C., assignor.)
- General Electric Company. (See Osnos, Mendel, assignor.)
- General Electric Company. (See Pagel, Gustav, assignor.)
- General Electric Company. (See Palmer and Adams, assignors.)
- General Electric Company. (See Parkhurst, Leon F., assignor.)
- General Electric Company. (See Pauly, Karl A., assignor.)
- General Electric Company. (See Peek, Frank W., Jr., assignor.)
- General Electric Company. (See Pen Dell, Charles W., assignor.)
- General Electric Company. (See Perkins, Harry F., assignor.)
- General Electric Company. (See Perry, Charles L., assignor.)
- General Electric Company. (See Phillips, Edmund M., assignor.)
- General Electric Company. (See Place and Taylor, assignors.)
- General Electric Company. (See Porter and Ellis, assignors.)
- General Electric Company. (See Priest, Edward D., assignor.)
- General Electric Company. (See Quackenbush and Smedley, assignors.)
- General Electric Company. (See Read, Robert H., assignor.)
- General Electric Company. (See Reichold, Ludwig, assignor.)
- General Electric Company. (See Rice, Richard H., assignor.)
- General Electric Company. (See Riefstahl, Ludwig, assignor.)
- General Electric Company. (See Robinson, Lewis T., assignor.)
- General Electric Company. (See Rogers, Robert H., assignor.)
- General Electric Company. (See Rose, Paul, assignor.)
- General Electric Company. (See Ryan, Walter D., assignor.)
- General Electric Company. (See Samuelson, Frederick, assignor.)
- General Electric Company. (See Schellens, Christopher A., assignor.)
- General Electric Company. (See Schellens and Pentheny, assignors.)
- General Electric Company. (See Schlüter, Oskar, assignor.)
- General Electric Company. (See Schwarz, Elmer H., assignor.)
- General Electric Company. (See Seede, John A., assignor.)
- General Electric Company. (See Shand, Robert, assignor.)
- General Electric Company. (See Sheldon, Lucian A., assignor.)
- General Electric Company. (See Sieber, Ferdinand, assignor.)
- General Electric Company. (See Small, Howard, assignor.)

Alphabetical list of patentees—Continued.

- General Electric Company. (See Standerwick, Reginald G., assignor.)
- General Electric Company. (See Steinmetz, Charles P., assignor.)
- General Electric Company. (See Stevens, George E., assignor.)
- General Electric Company. (See Stone, Fred L., assignor.)
- General Electric Company. (See Story, William E., Jr., assignor.)
- General Electric Company. (See Taylor, Carl P., assignor.)
- General Electric Company. (See Taylor, Edward, assignor.)
- General Electric Company. (See Taylor, John B., assignor.)
- General Electric Company. (See Thompson, Louis W., assignor.)
- General Electric Company. (See Tornberg, Knut, assignor.)
- General Electric Company. (See Valentine, Irving R., assignor.)
- General Electric Company. (See Ver Planck, William E., assignor.)
- General Electric Company. (See Weiler and Nehlsen, assignors.)
- General Electric Company. (See Welsberg, Edward I., assignor.)
- General Electric Company. (See Whitaker, Frank P., assignor.)
- General Electric Company. (See Whiting, Max A., assignor.)
- General Electric Company. (See Whitney, Francis M., assignor.)
- General Electric Company. (See Whitney, Willis R., assignor.)
- General Electric Company. (See Winkler and Urtel, assignors.)
- General Electric Company. (See Wolff, Georg, assignor.)
- General Electric Company. (See Wood, James J., assignor.)
- General Elevator Company. (See Fraser, Ethelbert M., assignor.)
- General Engineering Company, The. (See Boudwin, Walker J., assignor.)
- General Engineering and Construction Company. (See Ashley, Charles G., assignor.)
- General Engineering and Construction Company. (See Crippen, James B., assignor.)
- General Engineering Company. (See Doble, Abner, assignor.)
- General Fire Extinguisher Company. (See Grinnell, Russell, assignor.)
- General Fire Extinguisher Company. (See Loeplsinger, Albert J., assignor.)
- General Fireproofing Company, The. (See Schaffert, Adolf H., assignor.)
- General Fireproofing Company, The. (See White, Herbert E., assignor.)
- General Gas Appliance Company. (See Oelkers, Frederick C., assignor.)
- General Gas Light Company. (See Humphrey, Alfred H., assignor.)
- General Machinery & Investment Company, The. (See Miller, Stanley G., assignor.)
- General Motors Co. (See Ferguson, Donald M., assignor.)
- General Motors Company. (See Bower, Ferdinand A., assignor.)
- General Motors Company. (See Heinze, John O., Jr., assignor.)
- General Optical Company. (See Clement, George A., assignor.)
- General Paper Goods Manufacturing Co. (See Ekvall, Carl O., assignor.)
- General Railway Signal Company. (See Dodgson, Frank L., assignor.)
- General Railway Signal Company. (See Henry, William S., assignor.)
- General Railway Signal Company. (See Howe, Winthrop K., assignor.) (Reissue.)
- General Railway Signal Company. (See Salmon and Dodgson, assignors.) (Reissue.)
- General Railway Signal Company. (See Taylor, Herbert B., assignor.)
- General Railway Signal Company. (See Wight, Sedgwick N., assignor.)
- General Reduction Company. (See Bergh, Frederick P., assignor.)
- General Reduction Gas and By-Products Company. (See Hornsey, John W., assignor.)
- General Research Laboratories. (See Knox, William J., assignor.)
- General Sales & Brokerage Co. (See Warren, Edgar A., assignor.)
- General Transmission Company. (See Seibt, George, assignor.)
- General Vehicle Company. (See Lloyd, Robert M., assignor.)
- General Welded Products Co. (See Lachman, Maurice, assignor.)
- Geneva Tractor Company, The. (See Jacobs, George S., assignor.)
- Genge, Fredrick C., assignor to The Marshall Ventilated Mattress Company, Chicago, Ill. Cushion or mattress. No. 1,246,081; Nov. 13; v. 244; p. 310.
- Genge, Fredrick C., assignor to The Marshall Ventilated Mattress Company, Chicago, Ill. Multiple spring-cushion. No. 1,246,082; Nov. 13; v. 244; p. 310.
- Genovese, James V., Brewster, N. Y. Barber's shears. No. 1,238,400; Aug. 28; v. 241; p. 1027.
- Gensecke, Wilhelm. (See Josse and Gensecke.)
- Gensheimer, Charles, Philadelphia, Pa. Bread-mixer. No. 1,229,934; June 12; v. 239; p. 572.
- Gensheimer, Johns S. (See Post and Gensheimer.)
- Gensmer, Theodore, Minneapolis, Minn. Fluid speed-governing mechanism. No. 1,237,631; Aug. 21; v. 241; p. 745.
- Gensmer, Theodore F., Minneapolis, Minn. Shoe-shining device. No. 1,218,393; Mar. 6; v. 236; p. 175.
- Gent, Frank W., Wellsville, N. Y. Sofa-bed. No. 1,233,218; July 10; v. 240; p. 588.
- Genter, Albert L., Salt Lake City, Utah. Method and apparatus for cleansing filter mediums. No. 1,214,152; Jan. 30; v. 234; p. 1432.
- Genter, Albert L., Salt Lake City, Utah. Filtering. No. 1,218,544; Mar. 6; v. 236; p. 225.
- Genter, Albert L., assignor to Kelly Filter Press Company, Salt Lake City, Utah. Filtering apparatus. No. 1,212,932; Jan. 16; v. 234; p. 948.
- Genter, Albert L., assignor to Kelly Filter Press Company, Salt Lake City, Utah. Filtering apparatus. No. 1,212,933; Jan. 16; v. 234; p. 949.
- Gentry, Oliver H., Westwood, N. J. Power-transmitting mechanism. No. 1,239,900; Sept. 11; v. 242; p. 406.
- Gentzler, Louis D. (See Hazen and Gentzler.)
- Geo. D. Barnard & Company. (See Bredehoft, Edward F., assignor.)
- Geo. D. Barnard & Company. (See Willis, Barnard, assignor.)
- Geo. L. Paine Company. (See Chabot, Joseph, assignor.)
- Geo. W. Blabon Company. (See Schaefer, Earle B., assignor.)
- Geo. W. Smyth Lumber Company. (See Tenholder, Herman G., assignor.)
- Geoghegan, Edward A., New York, N. Y., W. B. Mayo, Hamilton, Ohio, and C. S. Turner, Highland Park, Mich. Steam-superheater. No. 1,216,253; Feb. 13; v. 235; p. 661.
- George, Albert F., Salina, Kans. Windmill. No. 1,228,660; June 5; v. 239; p. 96.
- George, Alexander W., Brooklyn, N. Y., assignor to Tin Decorating Company of Baltimore, Baltimore, Md. Hinge-wiring machine. (Reissue.) No. 14,393; Nov. 13; v. 244; p. 536.
- George, Chester M. and M. C., Newport, R. I. Surgical instrument. No. 1,231,250; Jan. 26; v. 239; p. 1088.
- George E. Lee Company. (See Lee, George E., assignor.)
- George, Edmund G., Springfield, assignor of one-half to L. H. Simpson, Glenarm, Ill. Bottle-holder. No. 1,217,087; Feb. 20; v. 235; p. 999.
- George, Ely D., San Francisco, Cal. Sound-transmitting system for moving pictures. No. 1,212,342; Jan. 16; v. 234; p. 742.
- George, Enoch, Jr., assignor to The McConway & Torley Company, Pittsburgh, Pa. Uncoupling and centering device for car-couplings. No. 1,235,889; Aug. 7; v. 241; p. 118.
- George, Gabriel L. (See George, James C. and G. L.)
- George, Guss. (See Schriber, George, and Meacham.)
- George H. Cahoon Company. (See Wacha, John C., assignor.)
- George H. Frothingham Company. (See Prescott, Arthur T., assignor.)
- George H. Scherff & Company. (See Scherff, George H., assignor.)
- George H. Wilkins Company. (See Wilkins, George H., assignor.)
- George, James C. and G. L., Bristol, Va. Mold-jacket. No. 1,211,570; Jan. 9; v. 234; p. 442.
- George, James C. and G. L., Bristol, Va. Furnace-grate. No. 1,220,216; Mar. 27; v. 236; p. 915.
- George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Housing for rolling-mills. No. 1,221,043; Apr. 3; v. 237; p. 14.
- George, Jerome R., assignor to Morgan Construction Company, Worcester, Mass. Gas-producer. No. 1,251,011; Dec. 25; v. 245; p. 875.
- George, John F. (See Saygers and George.)
- George, Joseph C. (See Lea and George.)
- George, Lawrence W. (See Cassidy and George.)
- George, Louis A., New York, N. Y. Seal-fastening. No. 1,248,310; Nov. 27; v. 244; p. 1026.
- George Mann and Company Limited. (See Evans, Arthur B., assignor.)
- George, Mary C. (See George, Chester M. and M. C.)
- George, Ralph D., Kansas City, Mo. Friction-gearing. No. 1,234,007; July 17; v. 240; p. 879.
- George S. Johnston Co. (See Allen, Clile C., assignor.)
- George S. Johnston Co. (See Morgan, Harold H., assignor.)
- George, Safe, Hattiesburg, Miss. Belt-buckle. No. 1,230,886; June 26; v. 239; p. 963.
- George Skey and Company, Limited. (See Oakes, Henry, assignor.)
- George V. Ellis Plumbing & Engineering Co., The. (See Ellis, George V., assignor.)

- George, William H., assignor to The Dexter Company, Fairfield, Iowa. Gearing for operating washing-machines. No. 1,220,838; Mar. 27; v. 236; p. 1133.
- Georgi, John J. (See Sauer and Georgi.)
- Georgia, Moses O., Factoryville, Pa. Combined spark-plug primer, compression-indicator, and pressure-gage. No. 1,247,816; Nov. 27; v. 244; p. 889.
- Georgia Plow & Foundry Co. (See Bondurant, Emmet J., assignor.)
- Georgs-Marien-Bergwerks- & Hütten-Verein A.-G. (See Baurichter, Fritz, assignor.)
- Gephart, Anna E., Mansfield, Ohio. Spring-motor-driven vehicle. No. 1,217,935; Mar. 6; v. 236; p. 17.
- Gerace, Gaetano, New York, N. Y. Disappearing bayonet. No. 1,246,258; Nov. 13; v. 244; p. 363.
- Geraerds, Gerard H., New York, N. Y. Fastening device. No. 1,246,585; Nov. 13; v. 244; p. 463.
- Geraghty, James H. (See Merkle and Geraghty.)
- Geraghty, James V., deceased, New York, N. Y.; J. M. Geraghty, administratrix. Auxiliary device for automatic electric control systems. No. 1,230,150; June 19; v. 239; p. 680.
- Geraghty, John P., Jersey City, N. J. Car-fender. No. 1,229,935; June 12; v. 239; p. 573.
- Geraghty, Julia M., administratrix. (See Geraghty, James V.)
- Gerald, Martha A., Cashion, Ariz. Tatting-shuttle winder. No. 1,246,586; Nov. 13; v. 244; p. 463.
- Gerb- und Farbstoffwerke H. Renner and Co. Aktiengesellschaft. (See Moeller, Willy, assignor.)
- Gerber, Edward R. (See Morrissey, Arthur R., assignor.)
- Gerberich, Clarence E., assignor to Lyon Metallic Manufacturing Company, Aurora, Ill. Shelving. No. 1,235,679; Aug. 7; v. 241; p. 48.
- Gerdau, Walter J. (See Brand, Morrie, assignor.)
- Gerdeman, Frank H., Findlay, Ohio. Ditching-machine. No. 1,222,754; Apr. 17; v. 237; p. 687.
- Gerdes, Herman H., Alvarado, Tex. Time-controlling mechanism. No. 1,238,282; Aug. 28; v. 241; p. 988.
- Gerdorn, Gregory, Watervliet, N. Y. Pocket-moistener. No. 1,244,974; Oct. 30; v. 243; p. 1233.
- Gerdorn, Gregory, Watervliet, N. Y. Envelop-moistener. No. 1,244,975; Oct. 30; v. 243; p. 1234.
- Gere, Annabel B., et al., executors. (See Gere, William B.)
- Gere, Harry G., Hackensack, N. J. Fishing-rod. No. 1,231,150; June 26; v. 239; p. 1054.
- Gere, William B., assignor to Merrell-Soule Company, Syracuse, N. Y. Food product. No. 1,215,363; Feb. 13; v. 235; p. 341.
- Gere, William B., assignor to Merrell-Soule Company, Syracuse, N. Y. Food product. No. 1,236,700; Aug. 14; v. 241; p. 410.
- Gere, William B., deceased; A. B. Gere and A. H. Durston, executors, assignors to Merrell-Soule Company, Syracuse, N. Y. Food product and manufacturing and preparing the same. No. 1,219,286; Mar. 13; v. 236; p. 522.
- Gereke, Edward G., St. Louis, Mo. Form for shrouds. No. 1,247,663; Nov. 27; v. 244; p. 842.
- Gerfin, Frederick C., Columbia, Pa. Spring-clasp. No. 1,234,655; July 24; v. 240; p. 1123.
- Gerhardt, Louis P., Lorah, Iowa. Long-range shotgun-cartridge. No. 1,243,155; Oct. 16; v. 243; p. 609.
- Gerhardt, Paul, Chicago, Ill. Building construction. No. 1,243,281; Oct. 16; v. 243; p. 647.
- Gerke, Jacob W., E. J. Braisted, and E. T. Kelleher, Flushing, N. Y.; said Gerke assignor to said Braisted and said Kelleher. Ventilator. No. 1,228,202; May 29; v. 238; p. 1550.
- Gerken, Henry L., New York, N. Y. Engine control. No. 1,233,865; July 17; v. 240; p. 834.
- Gerl-Holmen, Niels, Frederiksberg, near Copenhagen, assignor to Kløver-Bygryn-Fabrikken Danmark, Ltd., Copenhagen, Denmark. Flaking friable groats. No. 1,212,205; Jan. 16; v. 234; p. 691.
- Gerlach, Christian S., Brandon, Wis. Sound-producing apparatus. No. 1,241,956; Oct. 2; v. 243; p. 154.
- Gerlach, Christian S., and C. F. Herman, Brandon, Wis. Graphophone-stop. No. 1,234,008; July 17; v. 240; p. 879.
- Gerlach, George W., Cumberland, Iowa. Safety block-signal. No. 1,211,697; Jan. 9; v. 234; p. 485.
- Gerlach, Stephan G., Stratford, Conn. Door-lock. No. 1,230,287; Aug. 7; v. 241; p. 243.
- Gerley, Alberto, Buenos Aires, Argentina. Convertible life-belt. No. 1,221,852; Apr. 10; v. 237; p. 328.
- Germain, Leon C., Conway, Mass. Pocket license-carrier. No. 1,210,927; Jan. 2; v. 234; p. 190.
- Germain, Louis, Brooklyn, N. Y. Method and apparatus for projection of matter explanatory to moving pictures. No. 1,243,507; Oct. 16; v. 243; p. 715.
- German-American Button Company. (See Eby and Carron, assignors.)
- German-American Button Company. (See Hastings, Herbert, assignor.)
- Germania Hosiery Mills. (See Bennett, Joseph, assignor.)
- Gerless Paper Cup Company, The. (See Klin, John R., assignor.)
- Germond, Henry S., Jr. (See Boehck and Germond.)
- Germond, Henry S., Jr., Bayonne, assignor to New York Revolving Portable Elevator Company, Jersey City, N. J. Machine-brake. No. 1,228,203; May 29; v. 238; p. 1550.
- Gernaert, Jules, Brussels, Belgium. Manufacture of a paper. No. 1,210,790; Jan. 2; v. 234; p. 142.
- Gernelle-Danloy, Joseph E., Moulins, France. Coating for molds and cores. No. 1,218,394; Mar. 6; v. 236; p. 176.
- Gernert, Herbert E., New York, and P. Reinhardt, Brooklyn, N. Y. Flooring composition. No. 1,245,329; Nov. 6; v. 244; p. 56.
- Gerngross, Otto, Grunewald, near Berlin, and H. Kast, Charlottenburg, Germany. Salts of acetylsalicylic acid and manufacture of same. No. 1,217,862; Feb. 27; v. 235; p. 1314.
- Gero, Fred, Saranac Lake, N. Y. Cushion-form. No. 1,229,440; June 12; v. 239; p. 408.
- Geromanos, Hercules W., Boston, Mass. Projecting-lamp. No. 1,226,325; May 13; v. 238; p. 857.
- Gerrand, James. (See Watson and Gerrand.)
- Gerrard, William H., Jr., Yazoo City, Miss. Rocker attachment. No. 1,231,151; June 26; v. 239; p. 1055.
- Gerrish, Edward W., Lynn, Mass. Thimble-remover. No. 1,246,415; Nov. 13; v. 244; p. 411.
- Gershnoirtz, William, Boston, Mass. Corset. No. 1,216,796; Feb. 20; v. 235; p. 903.
- Gerst, Philip. (See Schrader, John R., assignor.)
- Gerstenberger, Edward C., Brooklyn, N. Y. Buttonhole-feeding mechanism. No. 1,230,698; June 19; v. 239; p. 863.
- Gerstenschlager, Fredrick W., Harbor Beach, Mich. Attachment for automobiles. No. 1,215,017; Feb. 6; v. 235; p. 190.
- Gertz, Richard W., Brookline, Mass. Desk for pianos. No. 1,233,463; July 17; v. 240; p. 704.
- Gervais, Charles E., assignor to F. E. Waymer, Jacksonville, Fla. Douche-nozzle. No. 1,249,375; Dec. 11; v. 245; p. 304.
- Gervais, Wainwright B., assignor to Variety Manufacturing Company, Chicago, Ill. Fire-door. No. 1,224,295; May 1; v. 238; p. 65.
- Gervais, Wainwright B., assignor to Variety Manufacturing Company, Chicago, Ill. Hoisting mechanism. No. 1,237,323; Aug. 21; v. 241; p. 647.
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Arco and Meissner, assignors.)
- Gesellschaft für Drahtlose Telegraphie m. b. H. (See Arco and Rendahl, assignors.)
- Gesellschaft für drahtlose Telegraphie m. b. H. (See Rukop and Schloemilch, assignors.)
- Gesellschaft für Elektro-Osmose m. b. H. (See Schwerin, Botho, assignor.)
- Gesellschaft für Papierhohlkörper und Maschinen anlagen m. b. H. (See Neubert, Fritz E., assignor.)
- Gessford, Henry N., Cluquet, Mo. Nut and bolt lock. No. 1,242,342; Oct. 9; v. 243; p. 318.
- Gessler, Otto C., Detroit, Mich. Compound tool. No. 1,218,757; Mar. 13; v. 236; p. 340.
- Gessner, David, Worcester, Mass. Planetary napping-machine. No. 1,230,828; June 19; v. 239; p. 905.
- Gessner, David, Worcester, Mass. Napping-machine. No. 1,240,194; Sept. 18; v. 242; p. 533.
- Gessner, George S., Selingsgrove, Pa. Window shade and curtain bracket. No. 1,250,846; Dec. 18; v. 245; p. 776.
- Gest, Clarence O., Indianapolis, Ind. Spring-support for motor-vehicles. No. 1,239,901; Sept. 11; v. 242; p. 407.
- Getman, David D., Minneapolis, Minn., assignor of one-third to J. P. Sternhagen, Glasgow, Mont. Flat-tire signal. No. 1,228,204; May 29; v. 238; p. 1550.
- Getter, Daniel W., Dayton, Ohio. Antiskid device for vehicles. No. 1,235,968; Aug. 7; v. 241; p. 144.
- Gettle, Thomas S. (See Silvius, Ellis T., assignor.)
- Getts, Frank E., assignor to Electrical Engineers Equipment Company, Chicago, Ill. Switch. No. 1,212,161; Jan. 9; v. 234; p. 647.
- Getts, Frank E., assignor to Electrical Engineers Equipment Company, Chicago, Ill. Bus-bar insulator and support. No. 1,233,568; July 17; v. 240; p. 739.
- Gettz, William H., assignor to J. A. Coutts, Philadelphia, Pa. Carbureter-lock. No. 1,250,299; Dec. 18; v. 245; p. 612.
- Getz, P. A. (See Hogg, Frederic W., assignor.)
- Getzendaner, John W., Polo, Ill. Tire-replacer. No. 1,223,689; Apr. 24; v. 237; p. 1044.
- Geurink, Fredericka. (See Geurink, Harry J., assignor.)
- Geurink, Harry J., assignor to F. Geurink, Cleveland, Ohio. Compression stop and waste cock. No. 1,244,976; Oct. 30; v. 243; p. 1234.
- Gewirtz, Jonas. (See Moskowitz, Rudolph, assignor.)
- Geyer, Clarence W., Donovan, Ill. End-gate fastener. No. 1,242,543; Oct. 9; v. 243; p. 381.
- Gfroerer, Albert H., assignor to C. W. Hunt Company, Inc., West New Brighton, N. Y. Baggage-truck. No. 1,242,677; Oct. 9; v. 243; p. 425.
- Gheffoli, Benedetto, San Anselmo, Cal. End-gate for motor-trucks. No. 1,239,174; Sept. 4; v. 242; p. 145.
- Gherardi, Bancroft, Bayhead, N. J., assignor to American Telephone and Telegraph Company. Signaling system. No. 1,251,363; Dec. 25; v. 245; p. 978.
- Gherardi, Bancroft, Bayhead, N. J., assignor to American Telephone and Telegraph Company. Signaling system for multiplex telephone-circuits. No. 1,251,364; Dec. 25; v. 245; p. 979.
- Ghezzi, Paolo, Milan, Italy. Weighing apparatus. No. 1,246,259; Nov. 13; v. 244; p. 364.
- Ghiglieri, William, San Francisco, Cal. Traffic-signal. No. 1,224,632; May 1; v. 238; p. 184.

Alphabetical list of patentees—Continued.

- Giaccone, Alexander, Brooklyn, N. Y. Signal apparatus. No. 1,234,535; July 24; v. 240; p. 1087.
- Giannella, Walter. (See Fleming, Herman A., assignor.)
- Gianninoto, John, Brooklyn, N. Y. Device for handling cuspidors. No. 1,249,946; Dec. 11; v. 245; p. 471.
- Giard, Napoleon, Rougemont, Quebec, Canada. Extension-table. No. 1,246,085; Nov. 13; v. 244; p. 311.
- Giardino, Anthony, Brockton, Mass. Handle. No. 1,246,587; Nov. 13; v. 244; p. 464.
- Gibbes Machinery Company. (See Edwards, James B., assignor.)
- Gibbons, Arthur R., Eddyville, Nebr. Measuring device. No. 1,234,009; July 17; v. 240; p. 879.
- Gibbons, Richard J., Fort Rosecrans, Cal. Writing-bed for desks. No. 1,211,433; Jan. 9; v. 234; p. 396.
- Gibbs, Alvin J., assignor to The Gibbs Manufacturing Company, Canton, Ohio. Toy. No. 1,230,574; June 19; v. 239; p. 823.
- Gibbs, Alvin J., assignor to The Gibbs Manufacturing Company, Canton, Ohio. Toy. No. 1,230,575; June 19; v. 239; p. 823.
- Gibbs, Clarence A., Williamsport, Pa. Garbage-incinerator. No. 1,246,416; Nov. 13; v. 244; p. 411.
- Gibbs, Edward F. G., Washington, D. C. Counterboring-tool. No. 1,219,097; Mar. 13; v. 236; p. 458.
- Gibbs, Elmer W., assignor to The Gibbs Manufacturing Company, Canton, Ohio. Toy. No. 1,233,866; July 17; v. 240; p. 834.
- Gibbs, Frederick H. (See Johnson and Gibbs.)
- Gibbs, Frederick H., Brooklyn, assignor to American Car and Foundry Company, New York, N. Y. Mine-car wheel and attaching means therefor. No. 1,224,736; May 1; v. 238; p. 221.
- Gibbs, Frederick H., Brooklyn, assignor to American Car and Foundry Company, New York, N. Y. Mine-car wheel and attaching means therefor. No. 1,245,142; Oct. 30; v. 243; p. 1283.
- Gibbs, Harry, Higher Transmere, England. Pneumatic engine or motor. No. 1,236,922; Aug. 14; v. 241; p. 482.
- Gibbs, Harry D., San Francisco, Cal., and G. A. Geiger, Washington, D. C. Manufacturing side-chain chlorin derivatives of toluol. No. 1,246,739; Nov. 13; v. 244; p. 507.
- Gibbs, Henry, assignor to W. D. Allen Manufacturing Company, Chicago, Ill. Grease-cup. No. 1,213,861; Jan. 30; v. 234; p. 1333.
- Gibbs, Henry, assignor to W. D. Allen Manufacturing Company, Chicago, Ill. Hose-nozzle. No. 1,215,796; Feb. 13; v. 235; p. 497.
- Gibbs, Henry, assignor to W. D. Allen Manufacturing Company, Chicago, Ill. Grease-cup. No. 1,248,475; Dec. 4; v. 245; p. 14.
- Gibbs, Howard W. (See English and Gibbs.)
- Gibbs Manufacturing Company, The. (See Gibbs, Alvin J., assignor.)
- Gibbs Manufacturing Company, The. (See Gibbs, Elmer W., assignor.)
- Gibbs Manufacturing Company, The. (See Preyer, Frederick W., assignor.)
- Gibbs, Thomas R., Belhaven, N. C. Ice-cream freezer. No. 1,240,131; Sept. 11; v. 242; p. 474.
- Gibbs, William E., Oak Point, Wash. Saw-jointer. No. 1,237,892; Aug. 21; v. 241; p. 828.
- Giberson, Mason B., assignor to J. S. Stringham, Detroit, Mich. Vehicle-wheel. No. 1,232,275; July 3; v. 240; p. 247.
- Giberson, Mason B., assignor to Monarch Steel Castings Company, Detroit, Mich. Draft-rigging. No. 1,235,023; July 31; v. 240; p. 1273.
- Gibney, Joseph W., assignor to The Sentinel Mfg. Co., New Haven, Conn. Gas-valve. No. 1,218,252; Mar. 6; v. 236; p. 129.
- Gibson, Albert T., Omaha, Nebr. Building-screed. No. 1,231,010; June 26; v. 239; p. 1007.
- Gibson, Algernon T. (See Bachler and Newkirk, assignors.)
- Gibson, Angus H. (See Roberts and Gibson.)
- Gibson, Arthur H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Electropneumatic channeling-machine. No. 1,240,559; Sept. 18; v. 242; p. 647.
- Gibson, Bessie M., Chicago, Ill. Curtain-rod attachment. No. 1,242,172; Oct. 9; v. 243; p. 265.
- Gibson, Charles D., Cleveland, Ohio, assignor to The Simplex Machine Tool Company. Change-speed gearing. No. 1,242,678; Oct. 9; v. 243; p. 426.
- Gibson, Charles D., Cleveland, Ohio, assignor to The Simplex Machine Tool Company. Lathe-apron. No. 1,242,679; Oct. 9; v. 243; p. 426.
- Gibson, Clark, Adamstown, Md. Automatic weighing apparatus. No. 1,242,794; Oct. 9; v. 243; p. 462.
- Gibson, George H., Montclair, N. J., assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Measuring apparatus. No. 1,249,614; Dec. 11; v. 245; p. 373.
- Gibson-Hollister Manufacturing Company. (See Gibson, Lester H., assignor.)
- Gibson-Hollister Manufacturing Company. (See Hollister, George S., assignor.)
- Gibson, John, Courtenay, N. D. Resilient wheel. No. 1,230,699; June 19; v. 239; p. 863.
- Gibson, John C. (See Long, John R., assignor.)
- Gibson, Lester H., Brookline, assignor to Gibson-Hollister Manufacturing Company, Boston, Mass. Ignition device. No. 1,224,296; May 1; v. 238; p. 65.
- Gibson, Lloyd S., Jamestown, N. Y. Artificial-wood composition. No. 1,231,519; June 26; v. 239; p. 1175.
- Gibson, Percy C., Waukegan, Ill. Screw-cover for traps. No. 1,232,788; July 10; v. 240; p. 448.
- Gibson, Percy C., Waukegan, Ill. Cover for traps, &c. No. 1,232,789; July 10; v. 240; p. 449.
- Gibson, Percy C., Waukegan, Ill. Cover for traps. No. 1,248,311; Nov. 27; v. 244; p. 1027.
- Gibson, Robert L., Philadelphia, Pa. Recording sound. No. 1,228,901; June 5; v. 239; p. 179.
- Gibson, Robert L., Philadelphia, Pa. Apparatus for recording sound. No. 1,228,902; June 5; v. 239; p. 179.
- Gibson, Stephen A., Hereford, Ariz. Fastening device for stirrup-leathers of saddles. No. 1,212,047; Jan. 9; v. 234; p. 608.
- Gibson, William. (See Birdsall, James E., assignor.)
- Gibson, William A., assignor of one-third to G. B. Koontz and one-third to J. C. Schleich, Peoria, Ill. Feed-water system for steam-boilers. No. 1,226,502; May 15; v. 238; p. 913.
- Gibson, William D., Seattle, Wash. Cigar-holder. No. 1,214,153; Jan. 30; v. 234; p. 1432.
- Gibson, William K., Newark, N. J. Wrench. No. 1,220,624; Mar. 27; v. 236; p. 1059.
- Gibson, Willis E., Oakland, Cal. Copy-holder for type-writing machines. No. 1,217,112; Feb. 20; v. 235; p. 1009.
- Giddens, John V. (See Lundy and Giddens.)
- Giddens, La Roux B., Tampa, Fla. Carbureter attachment. No. 1,213,621; Jan. 23; v. 234; p. 1222.
- Giddens, La Roux B., Tampa, Fla. Combustible-charge-forming device. No. 1,218,545; Mar. 6; v. 236; p. 226.
- Giddings, Charles E., Jr., Pittsburgh, Pa. Internal-combustion engine. No. 1,231,546; June 26; v. 239; p. 1183.
- Giddings, George H., Ilion, N. Y. Split safety-post and indicator for double-barrel guns. No. 1,222,755; Apr. 17; v. 237; p. 687.
- Gideon, James H., Cavour, S. D. Steel tie. No. 1,228,903; June 5; v. 239; p. 180.
- Gidley, Cyril M. (See Miller, Oscar C., assignor.)
- Gidley, Daniel C. (See Bissell and Gidley.)
- Gidley, Daniel C., Winthrop, Mass., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electric-conduit fitting. No. 1,223,865; Apr. 24; v. 237; p. 1105.
- Gidlöf, Conrad E., Homestead, Fla. Ladder-bracket. No. 1,213,622; Jan. 23; v. 234; p. 1223.
- Giduz, Fred J., Roxbury, Mass. Mold-clamping device. No. 1,228,106; May 29; v. 238; p. 1521.
- Giebel, Julius, and F. H. Zimmerman, Fremont, Ohio. Sink or hub for use in manufacturing dies. No. 1,247,524; Nov. 20; v. 244; p. 769.
- Gieland, Emil, Charlotte, N. C. Sand-blast for satin-finishing metals. No. 1,226,621; May 15; v. 238; p. 949.
- Giem, George, Palmer Lake, Colo. Submarine and ship safety apparatus. No. 1,234,456; July 24; v. 240; p. 1062.
- Gierding, Charles E., assignor to The Ohio Brass Company, Mansfield, Ohio. Power-transmission mechanism. No. 1,210,458; Jan. 2; v. 234; p. 28.
- Gierding, Charles E., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley-retriever. No. 1,212,343; Jan. 16; v. 234; p. 742.
- Gierding, Charles E., and J. R. Brown, assignors to The Ohio Brass Company, Mansfield, Ohio. Track-drilling machine. No. 1,213,350; Jan. 23; v. 234; p. 1129.
- Gieseker, Frederick C., Elmwood, Wis. Cow-tail holder. No. 1,227,606; May 29; v. 238; p. 1348.
- Giest, Adolph, Nanticoke, Pa. Drill. No. 1,220,217; Mar. 27; v. 236; p. 915.
- Giffée, Josiah B., and T. H. Howell, Barnesville, Ohio. Automatic measuring device. No. 1,250,847; Dec. 18; v. 245; p. 777.
- Giffin, Isaac N., Winterhaven, Fla. Vise. No. 1,212,136; Jan. 9; v. 234; p. 638.
- Gifford, Alvin, *et al.* (See Wallace, Francisco D., assignor.)
- Gifford, Bert L., Barker, N. Y. Strainer or separator. No. 1,228,427; June 5; v. 239; p. 18.
- Gifford, Hiram H. and W. Traverse City, Mich. Magnetic choking device. No. 1,231,875; July 3; v. 240; p. 115.
- Gifford, Perry D., Windfall, Ind. Fruit-picker. No. 1,214,450; Jan. 30; v. 234; p. 1534.
- Gifford, Randolph D., Chingford, assignor to Nalder Brothers & Thompson, Limited, London, England. Alternating-current electrical instrument of the moving-coil type. No. 1,237,775; Aug. 21; v. 241; p. 793.
- Gifford, Reuben W., *et al.* (See Wallace, Francisco D., assignor.)
- Gifford, Roy C., Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Company. Measured-service telephone system. No. 1,239,587; Sept. 11; v. 242; p. 305.
- Gifford, Ruth C., North East, Md. Fruit-gatherer. No. 1,216,106; Feb. 13; v. 235; p. 609.
- Gifford, William. (See Gifford, Hiram H. and W.)
- Gihon, William, Chicopee, Mass. Roller-bearing. No. 1,244,190; Oct. 23; v. 243; p. 957.
- Gilbert, Albert P., Durham, N. C. Wire-straightening machine. No. 1,239,175; Sept. 4; v. 242; p. 145.
- Gilbert, Alfred C., assignor to The A. C. Gilbert Company, New Haven, Conn. Toy construction-blocks. (Reissue.) No. 14,250; Jan. 16; v. 234; p. 1021.

- Gilbert, Alfred C., assignor to The A. C. Gilbert Company, New Haven, Conn. Commutator. No. 1,218,076; Mar. 6; v. 236; p. 65.
- Gilbert, Alfred C., assignor to The A. C. Gilbert Company, New Haven, Conn. Toy-motor installation. No. 1,219,452; Mar. 20; v. 236; p. 610.
- Gilbert, Alfred C., assignor to The A. C. Gilbert Company, New Haven, Conn. Toy building construction. No. 1,230,887; June 26; v. 239; p. 964.
- Gilbert, Alfred C., assignor to The A. C. Gilbert Co., New Haven, Conn. Toy building construction. No. 1,231,728; July 3; v. 240; p. 65.
- Gilbert, Alfred C., assignor to The A. C. Gilbert Company, New Haven, Conn. Toy building construction. No. 1,232,463; July 3; v. 240; p. 306.
- Gilbert, Alton E., Tulsa, Okla. Rod-pulling machine. No. 1,249,947; Dec. 11; v. 245; p. 471.
- Gilbert, Alvin J., Eufaula, Ala. Case for hypodermic syringes. No. 1,235,890; Aug. 7; v. 241; p. 119.
- Gilbert & Barker Manufacturing Company. (See Davis, Henderson G., assignor.)
- Gilbert, Calvin H., assignor of one-half to J. A. Bechter, Independence, Iowa. Vibrating retouching-pencil. No. 1,245,330; Nov. 6; v. 244; p. 56.
- Gilberg, Charles G., Rockford, Ill. Pneumatic action. No. 1,226,326; May 15; v. 238; p. 857.
- Gilbert, Clark, Bridgeport, Ohio, and E. J. Orndol, assignors of one-third to R. Stalnaker, Wheeling, W. Va. Rectifier for alternating electric currents. No. 1,239,588; Sept. 11; v. 242; p. 305.
- Gilbert, Edwin H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Inclosed fuse. No. 1,246,417; Nov. 13; v. 244; p. 412.
- Gilbert, Edwin R., Chicago, Ill. Fuse for projectiles. No. 1,226,652; May 22; v. 238; p. 1000.
- Gilbert, Frank H., Ridgefield, Wash. Sack-holder. No. 1,244,318; Oct. 23; v. 243; p. 997.
- Gilbert, George E., Toronto, Ontario, Canada. Detachable heel. No. 1,237,893; Aug. 21; v. 241; p. 828.
- Gilbert, George K., Juneau, Alaska. Pipe-fitting. No. 1,236,160; Aug. 7; v. 241; p. 202.
- Gilbert, George O., Montrose, Colo. Oiler. No. 1,241,207; Sept. 25; v. 242; p. 881.
- Gilbert, Harvey N., Niagara Falls, N. Y. Sanitary washing apparatus. No. 1,239,176; Sept. 4; v. 242; p. 146.
- Gilbert, Harvey N., Brookline, assignor to American Optical Company, Southbridge, Mass. Electroplating. No. 1,246,083; Nov. 13; v. 244; p. 310.
- Gilbert, Horace M., North Yakima, Wash. Brush-rake. No. 1,225,432; May 8; v. 238; p. 509.
- Gilbert, Isaac, Chicago, Ill. Heel. No. 1,232,790; July 10; v. 240; p. 449.
- Gilbert, Jesse W., Delavan, Kans. Feeder for threshing-machines. No. 1,215,645; Feb. 13; v. 235; p. 445.
- Gilbert, John H., Plant City, Fla. Lock. No. 1,240,838; Sept. 25; v. 242; p. 767.
- Gilbert, John H., Plant City, Fla. Lock. No. 1,240,839; Sept. 25; v. 242; p. 767.
- Gilbert, Ora B., assignor of one-half to G. F. W. Knuth, Fort Leavenworth, Kans. Window-sash-operating device. No. 1,250,445; Dec. 18; v. 245; p. 657.
- Gilbert, Otis C., Scales, N. D. Game-board. No. 1,220,976; Mar. 27; v. 236; p. 1176.
- Gilbert, Sidney C., Jackson, Ohio. Key-action for saxophones and the like. No. 1,228,016; May 29; v. 238; p. 1490.
- Gilbert, William R. (See Ford, John W., assignor.)
- Gilberthorpe Buckle Limited. (See Gilberthorpe, George L., assignor.)
- Gilberthorpe, George L., Chatswood, near Sydney, assignor to Gilberthorpe Buckle Limited, Sydney, New South Wales, Australia. Buckle. No. 1,212,622; Jan. 16; v. 234; p. 841.
- Gilbertson, Gustav A., Benson, Minn. Power-transmitting mechanism. No. 1,219,545; Mar. 20; v. 236; p. 644.
- Gilbertson, Gustav A., Benson, Minn. Transmission device. No. 1,240,334; Sept. 18; v. 242; p. 577.
- Gilbertson, Theodore, Pelican Rapids, Minn. Ditching and grading machine. No. 1,244,319; Oct. 23; v. 243; p. 998.
- Gilbertson, Thomas G., Glasgow, Scotland. Boot-tree. No. 1,232,529; July 10; v. 240; p. 364.
- Gilburg, Roy O., Kalamazoo, Mich. Filing-machine. No. 1,249,741; Dec. 11; v. 245; p. 410.
- Gilchrest, Elton B. (See Toothaker, Fred L., assignor.)
- Gilchrist Company, The. (See Nielsen, Rasmus, assignor.)
- Gilchrist, Joseph J., Pittsburgh, Pa. Bill-holder. No. 1,245,455; Nov. 6; v. 244; p. 94.
- Gilcrest, Jess R., Toronto, Ohio. Gear-wheel. No. 1,219,387; Mar. 13; v. 236; p. 553.
- Gildersleeve, William, Martins Ferry, Ohio. Rolling-mill. No. 1,248,644; Dec. 4; v. 245; p. 64.
- Gildow, William, and M. Schock, Oak Harbor, Wash. Folding umbrella. No. 1,230,888; June 26; v. 239; p. 964.
- Gile, Glenn E., Franklinville, N. Y. Safety for firearms. No. 1,210,459; Jan. 2; v. 234; p. 28.
- Giles, Charles W., Attleboro, Mass., assignor of one-half to L. Lescault, Pawtucket, R. I. Railway signaling device. No. 1,231,729; July 3; v. 240; p. 66.
- Giles, Eugene M., Peoria, Ill. Speedometer. No. 1,227,420; May 22; v. 238; p. 1257.
- Giles, Harvey, Brooklyn, assignor to A. Ward, New York, N. Y. Coin-controlled vending-machine. No. 1,247,664; Nov. 27; v. 244; p. 842.
- Giles, Harvey, Brooklyn, assignor to A. Ward, New York, N. Y. Vending-machine. No. 1,247,665; Nov. 27; v. 244; p. 843.
- Giles, Roy, Assumption, Ill. Gate. No. 1,213,623; Jan. 23; v. 234; p. 1223.
- Giley, George W., Gary, Ind. Furnace. No. 1,247,666; Nov. 27; v. 244; p. 844.
- Gilg, Henry F. (See Wadsworth, Frank L. O., assignor.)
- Gilhausen, Chase S., Marbleton, Wyo. Speculum. No. 1,239,000; Sept. 4; v. 242; p. 90.
- Gilkey, William E., Bow, Wash. Gate. No. 1,247,817; Nov. 27; v. 244; p. 889.
- Gill, B. Aurelius. (See Smith, John H., assignor.)
- Gill Brothers Company. (See Beiswanger, John, assignor.)
- Gill, Charles H., Chicago, Ill., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Computing attachment for typewriters. No. 1,228,107; May 29; v. 238; p. 1521.
- Gill, Edwin R., Yonkers, N. Y., assignor to Seamless Products Corporation. Packing device. No. 1,214,451; Jan. 30; v. 234; p. 1535.
- Gill, Edwin R., Yonkers, N. Y., assignor to S. F. Hayward & Company. Fire-extinguishing apparatus. No. 1,250,576; Dec. 18; v. 245; p. 696.
- Gill, George C., P. S. Sinclair, and P. J. Moakler, assignors to Holyoke Heater Company, Holyoke, Mass. Hot-water heater. No. 1,246,084; Nov. 13; v. 244; p. 311.
- Gill, George C., P. S. Sinclair, and P. J. Moakler, assignors to Holyoke Heater Company, Holyoke, Mass. Hot-water heater. No. 1,246,813; Nov. 13; v. 244; p. 529.
- Gill, Lewis A., Jewett City, Conn. Fabric-printing machine. No. 1,214,538; Feb. 6; v. 235; p. 20.
- Gill, Marcin. (See Ramocki, Anton, assignor.)
- Gill, Walter A., assignor to C. Coster, St. Johns, New Brunswick, Canada. Closure. No. 1,247,391; Nov. 20; v. 244; p. 731.
- Gill, William, Boston, Mass. Rat-trap. No. 1,211,134; Jan. 2; v. 234; p. 258.
- Gillam, Joseph E., Salt Lake City, Utah. Combined tobacco and match box. No. 1,236,288; Aug. 7; v. 241; p. 243.
- Gillam, Manly M., Flushing, N. Y. Glove holding, stretching, and shaping device. No. 1,221,165; Apr. 3; v. 237; p. 57.
- Gillam, Wiley S., Atlanta, Ga. Actuating mechanism for registers. No. 1,238,283; Aug. 28; v. 241; p. 989.
- Gillaspy, Thomas J. (See Naysmith, Gillaspay, and Carl.)
- Gillbee, Manuel A. T., assignor to A. M. Collins Manufacturing Company, Philadelphia, Pa. Ornamenting coated paper. No. 1,212,934; Jan. 16; v. 234; p. 949.
- Gille, Edward C., Stampede, N. D. Agricultural implement. No. 1,211,135; Jan. 2; v. 234; p. 259.
- Gillen, Frederick C., assignor to W. A. Krasselt, Milwaukee, Wis. Obtaining potash from potash-rocks. No. 1,215,517; Feb. 13; v. 235; p. 396.
- Gillen, Paul, Lynbrook, assignor to Hudson Brass Works in the City of New York, Brooklyn, N. Y. Phonograph-lamp. No. 1,226,607; May 15; v. 238; p. 945.
- Gillen, W. E., et al. (See Sartain, Louis M., assignor.)
- Gillen, William H., Milwaukee, Wis. Decomposing feldspar and other potash-bearing silicious minerals. No. 1,215,518; Feb. 13; v. 235; p. 396.
- Giller, Walter J., Warsaw, Ill. Evaporator. No. 1,215,140; Feb. 6; v. 235; p. 229.
- Gilles, Pierre, Springfield, Mass. Fuel-feeding device for carbureters. No. 1,240,840; Sept. 25; v. 242; p. 767.
- Gilles, Pierre, Springfield, Mass. Carbureter. No. 1,240,841; Sept. 25; v. 242; p. 768.
- Gilles, Pierre, Springfield, Mass. Vacuum-feed carbureter. No. 1,240,842; Sept. 25; v. 242; p. 769.
- Gillespie, Barry, et al. (See Wood, Pinckney A., assignor.)
- Gillespie, Henry C., Rupert, Idaho. Paper-feeding device. No. 1,242,343; Oct. 9; v. 243; p. 318.
- Gillespie, William, and C. Cooney, Toronto, Ontario, Canada. Hot-water heater. No. 1,219,722; Mar. 20; v. 236; p. 704.
- Gillespie, William C., Phoenix, Ariz. Electric advertising device. No. 1,219,933; Mar. 20; v. 236; p. 778.
- Gillespie, William C., Phoenix, Ariz. Display device. No. 1,233,219; July 10; v. 240; p. 588.
- Gillespie, William E. (See Molteni, Louis A., assignor.)
- Gillespie, William R., New York, N. Y. Internal-combustion engine. No. 1,235,133; July 31; v. 240; p. 1305.
- Gillespie, William W., Milwaukee, Wis. Vehicle-wheel. No. 1,233,867; July 17; v. 240; p. 834.
- Gillett, Charles W. (See Tonon, Adon P., assignor.)
- Gillett, David C. (See Scofield, Walter F., assignor.)
- Gillett, David C., Tampa, Fla. Grove-heater. No. 1,232,276; July 3; v. 240; p. 248.
- Gillette, George T., Los Angeles, Cal. Extinguishing fires. No. 1,229,064; June 5; v. 239; p. 231.
- Gillette, George T., Venice, Cal. Carbon-holder for record-blanks. No. 1,249,615; Dec. 11; v. 245; p. 373.
- Gillette, George W., Cleveland, Ohio. Lamp. No. 1,214,452; Jan. 30; v. 234; p. 1535.
- Gillette Motors Company. (See Williams, Martin L., assignor.)
- Gillette, Robert D., St. Charles, Mo. Beading-machine. No. 1,226,503; May 15; v. 238; p. 913.
- Gillette Safety Razor Company. (See Nickerson, William E., assignor.)

Alphabetical list of patentees—Continued.

- Gilliam, Lawrence M., San Francisco, Cal., assignor to Liggett & Myers Tobacco Company, St. Louis, Mo. Cigarette-machine. No. 1,227,549; May 22; v. 238; p. 1300.
- Gilliam Manufacturing Company, The. (See Eschliman, Oliver E., assignor.)
- Gilliam Manufacturing Company, The. (See White, Harry E., assignor.)
- Gillies, Alexander. (See Bartram and Gillies.)
- Gillies, John M., and A. Moyinhan, Salem, N. Y. Traffic-indicator for automobiles. No. 1,216,435; Feb. 20; v. 235; p. 778.
- Gillies, Robert A., Burnaby, British Columbia, Canada. Pivot-hinge for window-sashes. No. 1,212,475; Jan. 16; v. 234; p. 788.
- Gilliland, Maria A., Adrian, Mich. Towel-rack. No. 1,227,421; May 22; v. 238; p. 1257.
- Gillinder, Edgar A., Philadelphia, Pa. Glass-melting pot. No. 1,223,959; Apr. 24; v. 237; p. 1136.
- Gilling, Preston E., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Magneto-lamp. No. 1,249,063; Dec. 4; v. 245; p. 184.
- Gillingham, George H., Kentville, Nova Scotia, Canada. Car-door. No. 1,216,436; Feb. 20; v. 235; p. 779.
- Gillis, Alfred, Baltimore, Md. Cold-water squirt. No. 1,220,218; Mar. 27; v. 236; p. 915.
- Gillis & Geoghegan. (See Rutan, William, assignor.)
- Gillis, Joseph O., Baton Rouge, La. Fan. No. 1,247,818; Nov. 27; v. 244; p. 889.
- Gillis, Walter R., Superior, Wis. Submarine torpedo. No. 1,218,546; Mar. 6; v. 236; p. 227.
- Gilmor, Horatio G., Washington, D. C. Rail-anchor. No. 1,224,113; Apr. 24; v. 237; p. 1188.
- Gilmor, Horatio G., Washington, D. C. Anticreeper for railway-rails. No. 1,240,843; Sept. 25; v. 242; p. 769.
- Gilmor, Horatio G., Washington, D. C. Anticreeper. No. 1,243,282; Oct. 16; v. 243; p. 648.
- Gilmor, Horatio G., Washington, D. C. Rail-anchor. No. 1,248,844; Dec. 4; v. 245; p. 124.
- Gilmor, Horatio G., Washington, D. C. Rail-anchor. No. 1,251,012; Dec. 25; v. 245; p. 875.
- Gillpatrick, George F., assignor to Devoe & Reynolds Company, Kansas City, Mo. Producing laundry blue. No. 1,224,737; May 1; v. 238; p. 222.
- Gilman, Albert E. (See Gilman, John H. and A. E.)
- Gilman, Benoist P., Yoakum, Tex. Firing-valve to control the feed of oil in firing oil-burning locomotives. No. 1,226,504; May 15; v. 238; p. 913.
- Gilman, Benoist P., Yoakum, Tex. Exhaust-steam-actuating damper-regulator. No. 1,233,047; July 10; v. 240; p. 532.
- Gilman, Frank L., assignor to Gilman Shockless Railroad Crossing Syndicate, Los Angeles, Cal. Railway-crossing. No. 1,238,063; Aug. 21; v. 241; p. 883.
- Gilman, George H., Claremont, N. H., assignor, by mesne assignments to Sullivan Machinery Company, Boston, Mass. Stoneworking-machine. No. 1,228,661; June 5; v. 239; p. 97.
- Gilman, George H., Claremont, N. H., assignor, by mesne assignments to Sullivan Machinery Company, Boston, Mass. Rock-drill. No. 1,234,097; July 17; v. 240; p. 907.
- Gilman, George H., Claremont, N. H., assignor, by mesne assignments to Sullivan Machinery Company, Boston, Mass. Drilling apparatus. No. 1,236,371; Aug. 7; v. 241; p. 267.
- Gilman, George H., Claremont, N. H., assignor, by mesne assignments to Sullivan Machinery Company, Boston, Mass. Pneumatic tool. No. 1,236,701; Aug. 14; v. 241; p. 410.
- Gilman, George H., Claremont, N. H., assignor to Sullivan Machinery Company, Boston, Mass. Pressure-fluid tool. No. 1,236,702; Aug. 14; v. 241; p. 411.
- Gilman, George H., Claremont, N. H., assignor to Sullivan Machinery Company, Boston, Mass. Pressure-fluid tool. No. 1,236,703; Aug. 14; v. 241; p. 412.
- Gilman, George H., Claremont, N. H., assignor to Sullivan Machinery Company, Boston, Mass. Pressure-fluid tool. No. 1,236,704; Aug. 14; v. 241; p. 412.
- Gilman, George H., Claremont, N. H., assignor to Sullivan Machinery Company, Boston, Mass. Hammer-drill. No. 1,242,882; Oct. 9; v. 243; p. 490.
- Gilman, George H., Claremont, N. H., assignor, by mesne assignments to Sullivan Machinery Company, Boston, Mass. Apparatus for drilling holes. No. 1,250,103; Dec. 11; v. 245; p. 515.
- Gilman, George H., Claremont, N. H., assignor, by mesne assignments to Sullivan Machinery Company, Boston, Mass. Rock-drill. No. 1,250,931; Dec. 18; v. 245; p. 801.
- Gilman, George H., Claremont, N. H., assignor to Sullivan Machinery Company, Boston, Mass. Pressure-fluid motor. No. 1,250,932; Dec. 18; v. 245; p. 802.
- Gilman, George H., Claremont, N. H., assignor to Sullivan Machinery Company, Boston, Mass. Drilling apparatus. No. 1,250,933; Dec. 18; v. 245; p. 802.
- Gilman, George H., Claremont, N. H., assignor, by mesne assignments to Sullivan Machinery Company, Boston, Mass. Liquid-spraying device. No. 1,251,455; Dec. 25; v. 245; p. 1004.
- Gilman, John H., assignor to King & Hamilton Company, Ottawa, Ill. Adjustable support for cup elevators. No. 1,228,205; May 29; v. 238; p. 1551.
- Gilman, John H., assignor to King & Hamilton Company, Ottawa, Ill. Elevating apparatus. No. 1,245,580; Nov. 6; v. 244; p. 133.
- Gilman, John H. and A. E., assignors to King & Hamilton Company, Ottawa, Ill. Screen. No. 1,212,344; Jan. 16; v. 234; p. 743.
- Gilman Shockless Railroad Crossing Syndicate. (See Gilman, Frank L., assignor.)
- Gilman, Willard H., Boston, Mass. Signal system for railways. No. 1,220,089; Mar. 20; v. 236; p. 833.
- Gilmartin, Michael W., Dover, N. J., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Grapple. No. 1,223,960; Apr. 24; v. 237; p. 1136.
- Gilmer, George W., Jr., assignor to L. H. Gilmer Company, Philadelphia, Pa. Belt. No. 1,216,437; Feb. 20; v. 235; p. 779.
- Gilmore, Aaron W., Tyler, Tex. Rail-joint. No. 1,235,024; July 31; v. 240; p. 1273.
- Gilmore, Chace D., Bloomington, Ill. Salt and pepper shaker. No. 1,237,632; Aug. 21; v. 241; p. 746.
- Gilmore, Chace D., Highland Park, Mich. Shaker. No. 1,250,848; Dec. 18; v. 245; p. 777.
- Gilmore, Charles B., assignor to W. H. Plunkett, Chicago, Ill. Dust-mop. No. 1,230,476; June 19; v. 239; p. 789.
- Gilmore, Earl L., assignor to Vitaslide Company, San Francisco, Cal. Lantern-slide-exhibition apparatus. No. 1,245,454; Nov. 6; v. 244; p. 94.
- Gilmore, George E., Cleveland, and F. V. Roesel, Akron, Ohio. Core for resilient wheel-tires. No. 1,227,422; May 22; v. 238; p. 1257.
- Gilmore, George W., Alliance, Ohio. Detachable contact-plate. No. 1,225,433; May 8; v. 238; p. 510.
- Gilmore, Jesse G., Pine Bluff, Ark. Pipe-wrench. No. 1,213,351; Jan. 23; v. 234; p. 1129.
- Gilmore, John F. (See Mehlfelder, Anton, assignor.)
- Gilmore, John F., New York, N. Y. Rewinding device for moving-picture machines. No. 1,215,364; Feb. 13; v. 235; p. 341.
- Gilmore, John F., New York, N. Y. Friction gravity-drive. No. 1,240,560; Sept. 18; v. 242; p. 648.
- Gilmore, John F., New York, N. Y. Rewinder for motion-picture apparatus. No. 1,249,376; Dec. 11; v. 245; p. 305.
- Gilmore, Millard, assignor to Variety Manufacturing Company, Chicago, Ill. Elevator-door. No. 1,234,750; July 31; v. 240; p. 1187.
- Gilmore, Samuel A., *et al.* (See Icenhour, Albert A., assignor.)
- Gilmore, Thomas, Jr., Brooklyn, assignor to General Briquetting Company, New York, N. Y. Briquetting-machine. No. 1,247,667; Nov. 27; v. 244; p. 844.
- Gilmore, Walter T. (See Saunders, Channell L., Sr., assignor.)
- Gilmore, William C., Chicago, Ill. Permutation-lock. No. 1,251,365; Dec. 25; v. 245; p. 979.
- Gilpin, Blanche R., Tygee Valley, Idaho. Toy. No. 1,218,852; Mar. 13; v. 236; p. 376.
- Gilpin, Garth G., Riverside, assignor to W. P. Murphy, Chicago, Ill. Release-rigging bracket. No. 1,232,676; July 10; v. 240; p. 411.
- Gilpin, Harry C., Elkins, W. Va. Water-gage. No. 1,250,300; Dec. 18; v. 245; p. 613.
- Gilpin, Robert W., Codell, Kans. Egg-tester. No. 1,229,936; June 12; v. 239; p. 573.
- Gilpin, V. C., *et al.* (See Buckelew, Albert H., assignor.)
- Gilpin, William R. (See Druitt and Gilpin.)
- Gilroy, Frank J., Buffalo, N. Y. Car-door. No. 1,250,849; Dec. 18; v. 245; p. 777.
- Gilroy, William E., Utica, N. Y., assignor to Eureka Mower Company, Fertilizer-distributor. No. 1,230,069; June 12; v. 239; p. 615.
- Gilson, Alice A., San Francisco, Cal. Whitening and cleaning composition. No. 1,244,597; Oct. 30; v. 243; p. 1119.
- Gilson, Claude U., Wellesley, Mass. Signature-marking means for paper-folding machines. No. 1,212,623; Jan. 16; v. 234; p. 841.
- Gilson, Henry R. (See Abbott, Gilson, and Fullman.)
- Gilson, Henry R., Baden, Pa. Metric valve. No. 1,227,607; May 29; v. 238; p. 1349.
- Gilson, Henry R., Baden, assignor to National Metal Molding Company, Pittsburgh, Pa. Cable-armor. No. 1,215,365; Feb. 13; v. 235; p. 341.
- Gilson, Henry R., Baden, assignor to National Metal Molding Company, Pittsburgh, Pa. Armored-cable connector. No. 1,215,366; Feb. 13; v. 235; p. 341.
- Gilson, Henry R., Baden, assignor to National Metal Molding Company, Pittsburgh, Pa. Conduit-connector. No. 1,225,614; May 8; v. 238; p. 570.
- Gilson, John, Sr., Port Washington, Wis. Garden-tool. No. 1,224,630; May 1; v. 238; p. 184.
- Gilson, John P. and M., Fredonia, Wis. Concrete-mixer. No. 1,237,028; Aug. 14; v. 241; p. 517.
- Gilson Manufacturing Company. (See Bolens, Harry W., assignor.)
- Gilson Manufacturing Company. (See Elton, Olaf, assignor.)
- Gilson Manufacturing Company. (See Thiel, Ervin R., assignor.)
- Gilson, Michael. (See Gilson, John P. and M.)
- Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Signal. No. 1,227,777; May 29; v. 238; p. 1408.

- Gilson, Robert M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Signal. No. 1,227,778; May 29; v. 238; p. 1408.
- Gilstrap, Grover C., Cladin, Kans. Weather-strip. No. 1,212,206; Jan. 16; v. 234; p. 691.
- Gimpel, Albert, Mountain View, Mo., assignor of one-third to M. Buayalos, Chesterfield, Va. Rail-joint. No. 1,229,065; June 5; v. 239; p. 331.
- Gimson & Co. (Leicester) Limited. (See Mills, William P., assignor.)
- Gimson & Co. (Leicester) Limited. (See Mills and Bagshaw, assignors.)
- Gindele, Harrison, Cincinnati, Ohio. Photographic-film cartridge. No. 1,240,335; Sept. 18; v. 242; p. 578.
- Gindele, Harrison, Cincinnati, Ohio. Photographic-film cartridge. No. 1,212,137; Jan. 9; v. 234; p. 638.
- Gindele, William J. (See Begemann, Heinrich, assignor.)
- Gindling, John H., Tampa, Fla. Mouse-guard for musical instruments. No. 1,242,544; Oct. 9; v. 243; p. 382.
- Gingras, Joseph N., Thetford Mines, Quebec, assignor of one-half to W. W. Butler, Montreal, one-sixth to L. T. Pacaud, Thetford Mines, and one-sixth to W. J. Lynch, Quebec, Canada. Grain-door. No. 1,211,309; Jan. 2; v. 234; p. 320.
- Ginn, Katrina V., Del Mar, Cal. Device for the care of infants. No. 1,216,438; Feb. 20; v. 235; p. 779.
- Ginnel, Henry, Brooklyn, N. Y. Bracelet. No. 1,224,528; May 1; v. 238; p. 148.
- Ginsberg, Philip. (See Daugherty, Watt C., assignor.)
- Ginsburg, Jacob, *et al.* (See McGirr, John, assignor.)
- Ginsburg, Michael I., Baltimore, Md. Short-circuiting device for motors. No. 1,245,701; Nov. 6; v. 244; p. 170.
- Glommi, Ludovico, Milan, Italy. Apparatus for sterilizing liquids contained in hermetically-closed vessels. No. 1,249,740; Dec. 11; v. 245; p. 409.
- Gipson, Charles B., Frankfort, S. D. Ice-sawing machine. No. 1,245,899; Nov. 6; v. 244; p. 229.
- Gipson, James S., Fort Stockton, Tex. Fuel-oil burner. No. 1,224,372; May 1; v. 238; p. 92.
- Girardeau, Emile, and J. Bethenod, Paris, France. Radiotelegraphy. No. 1,245,702; Nov. 6; v. 244; p. 170.
- Girdwood, Kennet J., Montreal, Quebec, Canada. Percussion-fuse. No. 1,224,631; May 1; v. 238; p. 184.
- Girling, George G. (See Johnston and Girling.)
- Girling, Sidney S. (See Johnston and Girling.)
- Giroux, Charles I. (See Manny, Lucien A., assignor.)
- Giroux, Leon M., New York, N. Y. Lamp. No. 1,243,930; Oct. 23; v. 243; p. 880.
- Girvin, Charles W., San Francisco, Cal., assignor to Girvin Electrical Development Company, Honolulu, Hawaii. Direct-current apparatus. No. 1,224,160; May 1; v. 238; p. 15.
- Girvin Electrical Development Company. (See Girvin, Charles W., assignor.)
- Gisch, Anthony, Carson, La. Motor-operated saw. No. 1,239,384; Sept. 4; v. 242; p. 212.
- Gisholt Machine Company. (See McCabe, Horace B., assignor.)
- Gisholt Machine Company. (See Seward, Ernest R., assignor.)
- Gisler, Charles L., Sistersville, W. Va. Self stove-lighter or pilot-light. No. 1,229,742; June 12; v. 239; p. 510.
- Gittins, George A. (See Spencer, Lawrence N., assignor.)
- Gittins, Roger, Shrewsbury, England. Root-harvesting machine. No. 1,241,108; Sept. 25; v. 242; p. 850.
- Givens, John M. (See McDougall and Givens.)
- Givens, Sam C., Paducah, Ky., and H. Lewis, New Liberty, Ill. Stovepipe damper and cleaner. No. 1,211,136; Jan. 2; v. 234; p. 259.
- Givot, William W., Omaha, Nebr. Electrical-service-cut-out seal. No. 1,243,283; Oct. 16; v. 243; p. 648.
- Gjodesen, William, New York, N. Y. Printer's guide. No. 1,245,097; Oct. 30; v. 243; p. 1270.
- Gjorgjevitch, Nicolas. (See Hochon and Gjorgjevitch.)
- Glackin, Daniel T., Chicago, Ill., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,235,792; Aug. 7; v. 241; p. 85.
- Glackin, Edward J., Chicago, Ill. Shock-absorber. No. 1,249,064; Dec. 4; v. 245; p. 184.
- Gladling, Louis A., New Milford, Conn., and J. H. Sullivan, Newport, R. I. Train-stop apparatus. No. 1,243,832; Oct. 23; v. 243; p. 851.
- Glade, Arlo B. (See Hopkins, Harvey L., assignor.)
- Glader, Frank, Chicago, Ill. Hoop-beading machine. No. 1,239,437; Sept. 4; v. 242; p. 228.
- Gladish, Silas L., and J. T. De Armond, Osceola, Ark. Breath-guard. No. 1,249,377; Dec. 11; v. 245; p. 305.
- Gladitsch, Herman W., Portland, Oreg. Sack-filling machine. No. 1,236,923; Aug. 14; v. 241; p. 482.
- Gladwell, G. S. (See Rudd, James F., assignor.)
- Glaenger, Jules, New York, N. Y. Check-book. No. 1,222,201; Apr. 10; v. 237; p. 451.
- Glaeser, Walter, Brooklyn, N. Y. Making dicalcium phosphate. No. 1,235,025; July 31; v. 240; p. 1273.
- Glaeser, Walter, Brooklyn, N. Y., assignor to G. T. Bishop, Cleveland, Ohio. Making window-glass and hydrochloric acid. No. 1,234,457; July 24; v. 240; p. 1062.
- Glaeser, Walter, Brooklyn, N. Y., assignor to G. T. Bishop, Macedonia, Ohio. Rendering available the potash of feldspar and similar materials. No. 1,237,197; Aug. 14; p. 241; p. 567.
- Glaeser, Walter, Brooklyn, N. Y., assignor to G. T. Bishop, Macedonia, Ohio. Treating feldspar, feldspathic rock, and similar material. No. 1,239,787; Sept. 11; v. 242; p. 369.
- Glahe, John C. (See Couper, William, assignor.)
- Glantzberg, Ernst, New York, N. Y. Fan or blower. No. 1,246,086; Nov. 13; v. 244; p. 312.
- Glasel, Charles J., New York, N. Y. Hide-working machine. No. 1,227,779; May 29; v. 238; p. 1409.
- Glaser, Alois, Dedham, assignor to L. E. Vose, Walpole, Mass. Spool. No. 1,234,150; July 24; v. 240; p. 961.
- Glaser, Charles, Baltimore, Md. Separating calcium from magnesium contained in saline solutions. No. 1,242,434; Oct. 9; v. 243; p. 346.
- Glaser, Charles J., *et al.* (See Hough, Samuel, assignor.)
- Glaser, Isaac, Washington, D. C. Waterproof hat-protector. No. 1,232,277; July 3; v. 240; p. 248.
- Glasgow, Daniel, assignor of one-half to O. H. Stoltz, Milwaukee, Wis. Brassiere. No. 1,231,011; June 26; v. 239; p. 1007.
- Glasheen, John B., *et al.* (See La Rock, John, assignor.)
- Glaster, Harold H., Oakland, Cal. Meter. No. 1,235,200; July 31; v. 240; p. 1325.
- Glasner, Frank, and G. Ellison, Hinton, Iowa. Drinking-cup. No. 1,227,423; May 22; v. 238; p. 1258.
- Glasow, Albert O., and E. L. Acker, San Pedro, Cal. Combined tooth-paste squeezer and brush-holder. No. 1,212,138; Jan. 9; v. 234; p. 639.
- Glass, Charles A., Chicago, Ill. Shock-absorber. No. 1,232,912; July 10; v. 240; p. 489.
- Glass Founders Corporation. (See Roosevelt, André, assignor.)
- Glass, Luther. (See Jones and Glass.)
- Glass, Perley R., assignor to P. R. Glass Company, Boston, Mass. Folding-machine. No. 1,224,529; May 1; v. 238; p. 148.
- Glass, Perley R., Brookline, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Fastener-setting machine. No. 1,228,768; June 5; v. 239; p. 135.
- Glass, Perley R., Brookline, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-seat-nailing machine. No. 1,246,906; Nov. 20; v. 244; p. 594.
- Glass, Vernon D. (See Morrison, Oscar P., assignor.)
- Glasscock, Archibald H. and A. V., and J. W. Melton, Jemison, Ala. Railway-rail fastening. No. 1,250,850; Dec. 18; v. 245; p. 778.
- Glasscock, Arthur V. (See Glasscock and Melton.)
- Glauber Brass Manufacturing Company. (See Fischer, Arthur I., assignor.)
- Glauber, Joseph H., deceased; The Citizens Savings and Trust Co., executor, Cleveland, Ohio. Clamp and gasket. No. 1,213,186; Jan. 23; v. 234; p. 1070.
- Glauber, Joseph H., deceased, Cleveland, Ohio; The Citizens Savings & Trust Company, executor. Lavatory-fitting. No. 1,224,297; May 1; v. 238; p. 65.
- Glauz, Charles F. (See Epstein, Harry M., assignor.)
- Glazier, Peter F., assignor of one-half to C. L. Kirk, Indianapolis, Ind. Universal hose-coupling. No. 1,237,633; Aug. 21; v. 241; p. 747.
- Gleason, Clarence C. and L. E. Santa Cruz, Cal. Animal-gun. No. 1,233,268; July 10; v. 240; p. 601.
- Gleason, Edward D., Asbury Park, N. J., assignor to Neu-Metals and Process Company, Brooklyn, N. Y. Copper-lead alloy. No. 1,228,017; May 29; v. 238; p. 1490.
- Gleason, Horatio S., Buffalo, N. Y. Apparatus for wrapping articles and for placing same into containers. No. 1,248,845; Dec. 4; v. 245; p. 124.
- Gleason, James E., assignor to Gleason Works, Rochester, N. Y. Gear-cutter. No. 1,236,834; Aug. 14; v. 241; p. 454.
- Gleason, James E., and A. L. Stewart, assignors to Gleason Works, Rochester, N. Y. Cutter for gears. No. 1,249,378; Dec. 11; v. 245; p. 305.
- Gleason, James E., A. L. Stewart, and W. H. Snow, assignors to Gleason Works, Rochester, N. Y. Gear-cutting machinery. No. 1,236,835; Aug. 14; v. 241; p. 454.
- Gleason, James E., A. L. Stewart, and W. H. Snow, assignors to Gleason Works, Rochester, N. Y. Gear-generator. No. 1,236,836; Aug. 14; v. 241; p. 454.
- Gleason, Leo E. (See Gleason, Clarence C. and L. E., assignors.)
- Gleason, Thomas M., Racine, Wis. Faucet-cock. No. 1,237,324; Aug. 21; v. 241; p. 648.
- Gleason, William, Rahway, N. J. Flushing apparatus. No. 1,240,132; Sept. 11; v. 242; p. 474.
- Gleason Works. (See Gleason, James E., assignor.)
- Gleason Works. (See Gleason and Stewart, assignors.)
- Gleason Works. (See Gleason, Stewart, and Snow, assignors.)
- Gleckner, Charles V., Canton, Pa. Griddle-greaser. No. 1,224,457; May 1; v. 238; p. 124.
- Gledhill, Edward C., Gallon, Ohio. Car-unloading apparatus. No. 1,212,624; Jan. 16; v. 234; p. 842.
- Gledhill, Edward C., Gallon, Ohio. Unloading apparatus. No. 1,230,700; June 19; v. 239; p. 864.
- Gledhill, John H., Philadelphia, Pa. Cable-clamp. No. 1,223,961; Apr. 24; v. 237; p. 1137.
- Gleed, James C., North Yakima, Wash. Rotary pump. No. 1,243,060; Oct. 16; v. 243; p. 582.

Alphabetical list of patentees—Continued.

- Gleiche, Carl, assignor to Stock Motorpflug Gesellschaft Mit Beschränkter Haftung, Berlin, Germany. Gear for adjusting the elevation of the frames of motor-plows. No. 1,210,791; Jan. 2; v. 234; p. 142.
- Gleiche, Carl, assignor to Stock Motorpflug Gesellschaft Mit Beschränkter Haftung, Berlin, Germany. Motor-plow. No. 1,222,387; Apr. 10; v. 237; p. 517.
- Glendinning, Robert, *et al.* (See Spiegel, Alexander S., assignor.)
- Glenham Embroidery Company. (See Herzog, Louis, assignor.)
- Glenn, Chambers E., Terra Alta, W. Va. Irrigation-ditch guard. No. 1,213,624; Jan. 23; v. 234; p. 1223.
- Glenn, Chambers E., Terra Alta, W. Va. Safety-crank for automobiles. No. 1,233,773; July 17; v. 240; p. 803.
- Glenn, Howard H., East Orange, N. J., assignor to Western Electric Company, New York, N. Y. Telephone-cord. No. 1,247,392; Nov. 20; v. 244; p. 732.
- Glenn, Ida. (See Spencer, George A., assignor.)
- Glenn, James H. (See Beach, Walter J., assignor.)
- Glenn L. Martin Company. (See Martin, Glenn L., assignor.)
- Glenn, Lawrence, Sparta, Ill. Cork-extractor. No. 1,227,424; May 22; v. 238; p. 1258.
- Glenn, Lawrence, Sparta, Ill. Toy. No. 1,237,198; Aug. 14; v. 241; p. 567.
- Glenn, Leland E., Greensboro, N. C. Automatic truck-controlled train-stop. No. 1,213,625; Jan. 23; v. 234; p. 1223.
- Glenn, Leland E., Greensboro, N. C. Automatic speed-controller for railway-trains. No. 1,213,395; Mar. 6; v. 236; p. 176.
- Glenn, Luther A., *et al.* (See Webb, James L., assignor.)
- Glenn, Thomas F., Ardmore, Pa. Artificial tooth. No. 1,210,460; Jan. 2; v. 234; p. 28.
- Glenn, Thomas F., Ardmore, Pa. Artificial tooth. No. 1,212,935; Jan. 16; v. 234; p. 949.
- Glenn, Thomas F., Ardmore, Pa., assignor to The S. S. White Dental Manufacturing Company. Artificial tooth. No. 1,216,107; Feb. 13; v. 235; p. 610.
- Glenn, William L., Lebanon, Colo. Stalk-chopper. No. 1,222,388; Apr. 10; v. 237; p. 517.
- Glenshaw Glass Company. (See Meyer and Lepper, assignors.)
- Glenzer, John C., Highland Park, assignor to Detroit Reamer Salvage Company, Detroit, Mich. Regrinding reamers. No. 1,214,671; Feb. 6; v. 235; p. 67.
- Glick, Edward G., Cleveland, Ohio. Power-transmitting device. No. 1,210,461; Jan. 2; v. 234; p. 28.
- Glidden, Alfred A., Watertown, E. P. Dorman, Boston, and G. L. Finch, Brighton, assignors to Hood Rubber Co., Watertown, Mass. Apparatus for treating rubber footwear. No. 1,223,904; June 5; v. 239; p. 180.
- Glidden, Walter, assignor to one-half to A. E. Roberts, Watertown, Ohio. Tire-armor. No. 1,247,393; Nov. 20; v. 244; p. 732.
- Glissenti, Angelo, Brescia, Italy. Device for increasing the output of screw-propellers. No. 1,220,327; Mar. 27; v. 236; p. 956.
- Glista, Paul, and W. G. Zilinsky, McKees Rocks, Pa. Sliding-jaw wrench. No. 1,238,507; Aug. 28; v. 241; p. 1061.
- Globe Automatic Sprinkler Company. (See Evans, Powell, assignor.)
- Globe Automatic Sprinkler Company. (See Flamand, Poul, assignor.)
- Globe Automatic Sprinkler Company. (See Lewis, Owen B., assignor.)
- Globe Ear-Phone Co. (See Barber, Fred A., assignor.)
- Globe Efficiency Corporation. (See Doyle and Avillar, assignors.)
- Globe Stove & Range Company, The. (See Jackson, Jesse, assignor.)
- Globe Stove & Range Company, The. (See Jones, George B., assignor.)
- Globe Stove & Range Company, The. (See Louth and Jackson, assignors.)
- Globe Stove & Range Company, The. (See Patten, James C., assignor.)
- Globe Ticket Company. (See Feddern, Carl, assignor.)
- Globe-Wernicke Company, The. (See Roycroft, Charles E., assignor.)
- Gloekler, John G., Brooklyn, N. Y. Comb-cleaner. No. 1,250,446; Dec. 18; v. 245; p. 657.
- Gloekler, John E., Pittsburgh, Pa. Vegetable-preparing machine. No. 1,229,252; June 12; v. 239; p. 344.
- Gloor, Albert. (See Sagen and Gloor.)
- Gloss, Albert, Chicago, Ill. Mail-box. No. 1,229,743; June 12; v. 239; p. 510.
- Glossbrenner, Alfred M., assignor to Levey Bros. & Company, Indianapolis, Ind. Savings-bank record. No. 1,216,562; Feb. 20; v. 235; p. 822.
- Glover, Charles, New Britain, Conn. Gages. No. 1,234,656; July 24; v. 240; p. 1124.
- Glover, Charles P., assignor to one-half to T. P. Ledbetter, Atlanta, Ga. Tobacco-user's appliance. No. 1,215,519; Feb. 13; v. 235; p. 396.
- Glover, Edwin L., Jackson, Miss. Push-hoe. No. 1,231,012; June 26; v. 239; p. 1007.
- Glover & Sons, John. (See Boyd, John, assignor.)
- Gloversville Abrading Company. (See Feir, Otto F., assignor.)
- Gloyd, Frank H., *et al.* (See Gustafson, Frank O. and E. C., assignors.)
- Glück, David. (See Lukacs, Michael, assignor.)
- Glynn, Guilford C., Kansas City, Kans. Producing paving material. No. 1,227,903; May 29; v. 238; p. 1452.
- Gmeinder, Anton, Mosbach, Baden, Germany. Mill for removing the shells of grain and the like. No. 1,220,090; Mar. 20; v. 236; p. 833.
- Gniwewyński, Leon, Brooklyn, N. Y. Wrench. No. 1,245,581; Nov. 6; v. 244; p. 133.
- Goad, Edward E. (See Bolt and Goad.)
- Goar, Robert K., Hamilton, Tex. Boll-weevil exterminator. No. 1,228,313; May 29; v. 238; p. 1586.
- Goben, Edward F., Muskogee, Okla. Spike-puller. No. 1,223,269; Apr. 17; v. 237; p. 860.
- Goben, Orsinas O., assignor to one-sixth to C. S. Foster and one-sixth to U. N. Church, Chickasha, Okla. Power-transmitting device. No. 1,219,287; Mar. 13; v. 236; p. 522.
- Gobiet, Jules, Valentigney, France. Motor-vehicle. No. 1,216,681; Feb. 20; v. 235; p. 862.
- Goble, Charles J., Somerville, N. J. Cutter-bar for lawn mowers. No. 1,229,253; June 12; v. 239; p. 345.
- Goble, Mason O., Beatrice, Nebr. Egg-carrier. No. 1,224,373; May 1; v. 238; p. 93.
- Goby, Clifford S., Cleveland, Ohio. Valve for internal-combustion engines and the like. No. 1,234,458; July 24; v. 240; p. 1062.
- Goby, Clifford S., Cleveland, Ohio. Valve for internal-combustion engines and the like. No. 1,234,459; July 24; v. 240; p. 1063.
- Goby, Clifford S., Cleveland, Ohio. Rotary valve for internal-combustion engines. No. 1,234,460; July 24; v. 240; p. 1063.
- Goby, Clifford S., assignor to The Engine Holdings Company, Cleveland, Ohio. Internal-combustion engine. No. 1,238,508; Aug. 28; v. 241; p. 1062.
- Gockley, John S. (See Beamisderfer, Joseph A., assignor.)
- Goddard, Conrad G. (See Gaskell, Ellsworth F., assignor.)
- Goddard, Fred, Parma, Mo. Track for land-dredges. No. 1,216,108; Feb. 13; v. 235; p. 610.
- Goddard, Frederick M., Brooklyn, N. Y. Armored motorcycle. No. 1,239,476; Sept. 11; v. 242; p. 270.
- Goddard, Joseph, and W. S. Hutchings, assignors to Seneca Camera Manufacturing Company, Rochester, N. Y. Lens-focusing device. No. 1,214,453; Jan. 30; v. 234; p. 1536.
- Goddard, Joseph F., Holloway, London, England. Manufacture of cement. No. 1,214,910; Feb. 6; v. 235; p. 150.
- Goddard, Walter T., Hamilton, Ontario, Canada. Insulator. No. 1,232,278; July 3; v. 240; p. 248.
- Goddard, Walter T., Hamilton, Ontario, Canada. Insulator. No. 1,239,902; Sept. 11; v. 242; p. 407.
- Goddard, Walter T., Hamilton, Ontario, Canada. Insulator-joint. No. 1,251,013; Dec. 25; v. 245; p. 876.
- Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for setting fasteners. No. 1,217,088; Feb. 20; v. 235; p. 999.
- Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for inserting fasteners. No. 1,217,089; Feb. 20; v. 235; p. 1000.
- Goddu, George, Winchester, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Manufacture of nails. No. 1,237,325; Aug. 21; v. 241; p. 648.
- Godefroy, Marcel, New York, N. Y. Resilient wheel. No. 1,221,307; Apr. 3; v. 237; p. 107.
- Godenius, Andrew. (See Berglund, August, assignor.)
- Godfree, Ernest G., Sandringham, near Melbourne, Victoria, Australia. Telephone system. No. 1,221,439; Apr. 3; v. 237; p. 154.
- Godfrey, Richard W., New York, N. Y. Cigar-box. No. 1,227,608; May 29; v. 238; p. 1349.
- Godfrey, Truman M. (See Kohman, Godfrey, and Ashe.)
- Godfrey, Truman M. (See Kohman, Hoffman, and Godfrey.)
- Godley, Charles E., assignor to Edmunds and Jones Corporation, Detroit, Mich. Lamp-mounting. No. 1,223,962; Apr. 24; v. 237; p. 1137.
- Godley, Charles E., assignor to Edmunds and Jones Corporation, Detroit, Mich. Lamp-mounting. No. 1,227,253; May 22; v. 238; p. 1207.
- Godley, Charles E., assignor to Edmunds and Jones Corporation, Detroit, Mich. Focusing mechanism. No. 1,229,177; June 5; v. 239; p. 270.
- Godley, Charles E., assignor to Edmunds and Jones Corporation, Detroit, Mich. Lamp with pivoted reflector. No. 1,236,423; Aug. 14; v. 241; p. 318.
- Godley, Charles E., assignor to Edmunds and Jones Corporation, Detroit, Mich. Lamp with swinging reflector. No. 1,245,331; Nov. 6; v. 244; p. 56.
- Godley, Charles E., assignor to Edmunds and Jones Corporation, Detroit, Mich. Lamp-mounting. No. 1,248,103; Nov. 27; v. 244; p. 968.
- Godley, Charles E., assignor to Edmunds and Jones Corporation, Detroit, Mich. Dirigible lamp. No. 1,248,476; Dec. 4; v. 245; p. 14.
- Godrycz, John A., Philadelphia, Pa. Electromagnetic organ-action. No. 1,233,220; July 10; v. 240; p. 588.
- Godwin, Merrit A., Bridgewater, Mass. Film-indicator. No. 1,233,868; July 17; v. 240; p. 835.

- Godwin, William S., Baltimore, Md. Street-railway construction. No. 1,246,907; Nov. 20; v. 244; p. 594.
- Goebel, William P., Brooklyn, N. Y. Match-box holder. No. 1,243,674; Oct. 16; v. 243; p. 766.
- Goecke, Rudolf F., Elyria, Ohio. Kettle. No. 1,241,619; Oct. 2; v. 243; p. 49.
- Goedeke, Frederick W. (See Northall, William H., assignor.)
- Goedeke, Frederick W., Evansville, Ind. Insect-trap for casters. No. 1,242,680; Oct. 9; v. 243; p. 426.
- Goedeke, Frederick W., Evansville, Ind. Corner-iron. No. 1,245,456; Nov. 6; v. 244; p. 94.
- Goehring, Harry M., and C. A. Lindström, Pittsburgh, Pa. Sanding device for vehicles. No. 1,244,726; Oct. 30; v. 243; p. 1159.
- Goelkel, Rinaldo A., New York, N. Y. Eyeglass-case. No. 1,229,937; June 12; v. 239; p. 574.
- Goelmer, Joseph J., assignor to Landis Machine Company, St. Louis, Mo. Presser control for sewing-machines. No. 1,212,761; Jan. 16; v. 234; p. 892.
- Goelzer, Walter J., assignor of one-half to J. H. Wood, Bloomington, Ill. Stock-feeder and water-fountain. No. 1,222,389; Apr. 10; v. 237; p. 518.
- Goerlitz, Hans, Berlin, Germany, assignor to Powers Accounting Machine Company, New York, N. Y. Adding and sorting machine. No. 1,223,690; Apr. 24; v. 237; p. 1045.
- Goerner, R. J. (See Schultz, Herman, assignor.)
- Goertz, Frederick, Newark, N. J., assignor to August Goertz & Co. Sanitary shield for telephone apparatus. No. 1,244,977; Oct. 30; v. 243; p. 1234.
- Goerz, Henry P., Marion, S. D. Spark-coil-testing device. No. 1,244,049; Oct. 23; v. 243; p. 916.
- Goette, Fred. (See Grimmer and Goette.)
- Goetter, Frank B. (See Hendricks, James S., assignor.)
- Goettsch, Louis, Davenport, and W. Goettsch, Donahue, Iowa. Seed-corn holder. No. 1,248,846; Dec. 4; v. 245; p. 125.
- Goettsch, William. (See Goettsch, Louis and W.)
- Goetz, George B., Ranson, W. Va. Horse-collar. No. 1,230,701; June 19; v. 239; p. 864.
- Goetz, Henry F., assignor to Waterbury Mfg. Co., Waterbury, Conn. Float-wire guide. No. 1,239,903; Sept. 11; v. 242; p. 407.
- Goetzke, Otto, Jersey City, N. J. Safety-razor and blade. No. 1,221,004; Mar. 27; v. 236; p. 1186.
- Goetzke, Otto, Jersey City, N. J. Sanitary soap-disk. No. 1,225,323; May 8; v. 238; p. 472.
- Goetzke, Otto, Jersey City, N. J., assignor of one-half to E. A. Muth, Buffalo, N. Y., and T. G. Hartwig, Rockville, Conn. Transparent pane. No. 1,224,530; May 1; v. 238; p. 148.
- Goff, Bert C., Denver, Ind. Gate attachment. No. 1,218,077; Mar. 6; v. 236; p. 66.
- Goff, Bert C., Denver, Ind. Solar device. No. 1,220,091; Mar. 20; v. 236; p. 834.
- Goff, Edgar G., Chattanooga, Okla. Animal-poke. No. 1,241,842; Oct. 2; v. 242; p. 119.
- Goff, Lewis S. (See Runnion, Alonzo, assignor.)
- Goffin, John. (See Slingerland, Zeifang, and Goffin.)
- Gogel, Sol., Toronto, Ontario, Canada. Bobbin-winder guard. No. 1,213,862; Jan. 30; v. 234; p. 1333.
- Goger, Frank, Paterson, N. J. Mixing and kneading machine. No. 1,228,550; June 5; v. 239; p. 60.
- Goggin, James F., Garfield, N. J. Combined outlet-box and fixture. No. 1,237,501; Aug. 21; v. 241; p. 704.
- Goggins, James P., Central Falls, R. I., assignor to General Electric Company. Blowpipe-cleaning device. No. 1,234,010; July 17; v. 240; p. 880.
- Gohsen, Edward E., Jacksonville, Ill. Fruit-picker. No. 1,245,155; Nov. 6; v. 244; p. 4.
- Gohl, Edward H., Auburn, N. Y. Decorative lamp-post for street-lamps. No. 1,223,487; Apr. 24; v. 237; p. 971.
- Gohlke, Charles, Berea, Ohio. Device for lifting tile. No. 1,245,216; Nov. 6; v. 244; p. 23.
- Gohlke, Max, Pankow, near Berlin, Germany, assignor to The Hess-Bright Manufacturing Company. Ball-bearing. No. 1,239,904; Sept. 11; v. 242; p. 407.
- Goin, Jasper C., Dahlgren, Ill. Combined bed and parcel-carrier. No. 1,229,255; June 12; v. 239; p. 345.
- Going, George G., assignor to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,242,173; Oct. 9; v. 243; p. 265.
- Going, George G., assignor to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,243,730; Oct. 23; v. 243; p. 817.
- Goins, William P., Walcott, Ark. Locking device for mail-boxes. No. 1,213,863; Jan. 30; v. 234; p. 1334.
- Goizueta, Miguel. (See Prieto, Teresa, and Goizueta.)
- Goizueta, Miguel, *et al.* (See Teresa, Antonio, assignor.)
- Golatzky, Philip, assignor to H. Krich, Newark, N. J. Full attachment for key-sockets. No. 1,238,401; Aug. 28; v. 241; p. 1027.
- Gold Car Heating & Lighting Company. (See Gold, Edward E., assignor.)
- Gold Car Heating & Lighting Company. (See Kitchen, Frederick T., assignor.)
- Gold Car Heating & Lighting Company. (See Klotz, Charles H., assignor.)
- Gold Car Heating & Lighting Company. (See Kuntz, Frank A., assignor.)
- Gold, Charles. (See Levitt and Gold.)
- Gold, Edward E., assignor to Gold Car Heating & Lighting Company, New York, N. Y. Car-heating system. No. 1,213,093; Jan. 16; v. 234; p. 1004.
- Gold, Edward E., assignor to Gold Car Heating & Lighting Company, New York, N. Y. Hose-coupling. No. 1,213,094; Jan. 16; v. 234; p. 1005.
- Gold, Edward E., assignor to Gold Car Heating & Lighting Company, New York, N. Y. Gravity hose-coupling. No. 1,245,337; Nov. 6; v. 244; p. 57.
- Gold, Egbert H. (See Schreiber, Edward A., assignor.)
- Gold, Egbert H., Shelby, Ind. Automatic heating system. No. 1,219,546; Mar. 20; v. 236; p. 644.
- Gold, Egbert H., Chicago, Ill. Interchangeable heating system. No. 1,219,547; Mar. 20; v. 236; p. 644.
- Gold, Egbert H., Chicago, Ill. Heating system for refrigerator cars and the like. No. 1,242,898; Oct. 9; v. 243; p. 495.
- Gold, Egbert H., and E. W. Rietz, Chicago, Ill.; said Rietz assignor to said Gold. Steam-heating system. No. 1,241,620; Oct. 2; v. 243; p. 50.
- Gold, Leo F., assignor to International Folding Paper Box Co., New York, N. Y. Display-box. No. 1,230,401; June 19; v. 239; p. 763.
- Gold, Louis, Brooklyn, N. Y. Heel for shoes. No. 1,232,677; July 10; v. 240; p. 411.
- Goldbeck, Charles F., Philadelphia, Pa. Identification device. No. 1,225,324; May 8; v. 238; p. 472.
- Goldberg Display Fixtures. (See Lough, Hector V., assignor.)
- Goldberg, Elias T., Bridgeport, Conn. Artificial tooth. No. 1,247,953; Nov. 27; v. 244; p. 927.
- Goldberg, Elias T., Bridgeport, Conn. Artificial tooth. No. 1,248,477; Dec. 4; v. 245; p. 14.
- Goldberg, Hyman E., Chicago, Ill. Calculating-machine. No. 1,224,633; May 1; v. 238; p. 184.
- Goldberg, Jack, Los Angeles, Cal. Adjustable spout attachment for cans. No. 1,245,333; Nov. 6; v. 244; p. 57.
- Goldberg, John S., assignor to Stromberg Motor Devices Company, Chicago, Ill. Carbureter. No. 1,224,088; Apr. 24; v. 237; p. 1179.
- Goldberg, Joseph, New York, N. Y. Cooking utensil. No. 1,246,908; Nov. 20; v. 244; p. 594.
- Goldberg, Julius, Chicago, Ill. Curtain-rod. No. 1,216,983; Feb. 20; v. 235; p. 965.
- Goldberg, Louis B. and N., Denver, Colo. Frame for tent-openings. No. 1,240,133; Sept. 11; v. 242; p. 474.
- Goldberg, Louis B. and N., Denver, Colo. Film-reel. No. 1,247,260; Nov. 20; v. 244; p. 694.
- Goldberg, Max, New York, N. Y. Garment-marker. No. 1,218,551; Mar. 6; v. 236; p. 228.
- Goldberg, Max W., Milwaukee, Wis. Crucible-holder. No. 1,226,653; May 22; v. 238; p. 1000.
- Goldberg, Morris. (See Newton and Goldberg.)
- Goldberg, Naiman, Hartford, Conn. Wind-shield. No. 1,218,994; Mar. 13; v. 236; p. 424.
- Goldberg, Naiman, Hartford, Conn. Wind-shield. No. 1,226,203; May 15; v. 238; p. 812.
- Goldberg, Nathan. (See Goldberg, Louis B. and N.)
- Goldberg, Solomon H., Chicago, Ill. Apparatus for the manufacture of roofing material. No. 1,250,577; Dec. 18; v. 245; p. 697.
- Goldberg, Solomon H., Chicago, Ill. Roofing product and making same. No. 1,250,578; Dec. 18; v. 245; p. 697.
- Goldberger, Henry and M., Chicago, Ill. Surfacing device for tracing-cloth. No. 1,211,932; Jan. 9; v. 234; p. 571.
- Goldberger, Morris. (See Goldberger, Henry and M.)
- Goldberger, Victor, Cleveland, Ohio. Cigar-tip. No. 1,217,590; Feb. 27; v. 235; p. 1222.
- Golden, Charles E. (See Anderson, Edward V., assignor.)
- Golden, Daniel J., assignor to Golden Sporting Shoe Company, Brockton, Mass. Foot-ball shoe. No. 1,221,985; Apr. 10; v. 237; p. 376.
- Golden, George, Lackawanna, N. Y. Bedstead. No. 1,240,195; Sept. 18; v. 242; p. 534.
- Golden, George D., Clarksdale, Ariz. Twyer. No. 1,229,938; June 12; v. 239; p. 574.
- Golden, John E., Dunmore, Pa. Horseshoe. No. 1,233,869; July 17; v. 240; p. 835.
- Golden, Joseph A., New York, N. Y. Motion-picture camera. No. 1,230,576; June 19; v. 239; p. 823.
- Golden, Meletios, Boston, Mass. Arch-supporter. No. 1,236,924; Aug. 14; v. 241; p. 483.
- Golden Sporting Shoe Company. (See Golden, Daniel J., assignor.)
- Golden West Pump Company. (See Norton, James A., assignor.)
- Goldenberg, Jacques C., and A. I. Keller, Brooklyn, N. Y., assignors to Individual Sanitary Shaving Cup Co. Individual shaving-cup. No. 1,212,936; Jan. 16; v. 234; p. 950.
- Goldenstein, Maurice M., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,234,151; July 24; v. 240; p. 962.
- Golder, William H., Newark, N. J. Safety device for elevators. No. 1,220,741; Mar. 27; v. 236; p. 1098.
- Goldfadden, Nathan E., Chicago, Ill. Flash-light device. No. 1,243,156; Oct. 16; v. 243; p. 609.
- Golding, John F., Washington, D. C. Utilization of scrap metal in the manufacture of washers. No. 1,210,928; Jan. 2; v. 234; p. 190.

Alphabetical list of patentees—Continued.

- Golding, John F., Washington, D. C. Door-holder. No. 1,221,528; Apr. 3; v. 237; p. 185.
- Goldman, Barney, New York, N. Y. Sectional skylight. No. 1,220,219; Mar. 27; v. 236; p. 916.
- Goldman, Harry, New York, N. Y. Vibrato-traction table. No. 1,234,536; July 24; v. 240; p. 1087.
- Goldman, Isidore, Leeds, England. Artificial tooth. No. 1,218,078; Mar. 6; v. 236; p. 66.
- Goldmerstein, Leon, New York, N. Y. Brake-lock for automobiles. No. 1,210,640; Jan. 2; v. 234; p. 91.
- Goldmerstein, Leon, New York, N. Y. Water-cooled brake for vehicles. No. 1,217,591; Feb. 27; v. 235; p. 1222.
- Goldner, Herman, New York, N. Y. Knitting-machine. No. 1,216,682; Feb. 20; v. 235; p. 863.
- Goldner, Myer, Birmingham, Ala. Plunger-oiler for watches and clocks. No. 1,250,851; Dec. 18; v. 245; p. 778.
- Goldsborough, John B., Croton, N. Y. Horizontal sheeting. No. 1,216,225; Feb. 13; v. 235; p. 651.
- Goldsborough, John B., Croton-on-Hudson, N. Y. Hollow core for use in making concrete piles. No. 1,236,556; Aug. 14; v. 241; p. 363.
- Goldsborough, Richard H., Washington, D. C. Torpedo-launching apparatus. No. 1,245,334; Nov. 6; v. 244; p. 58.
- Goldschmidt, Hans, and O. Weil, Essen-on-the-Ruhr, Germany, assignors to Goldschmidt Thermit Company, New York, N. Y. Improving the alloying qualities of manganese with brass and bronze. No. 1,214,539; Feb. 6; v. 235; p. 21.
- Goldschmidt, Hans, and O. Weil, Essen-on-the-Ruhr, Germany, assignors to Goldschmidt Thermit Company, New York, N. Y. Forming high-percentage tungsten alloys. No. 1,235,969; Aug. 7; v. 241; p. 144.
- Goldschmidt, Hans, and W. Brewitt, Essen-on-the-Ruhr, Germany, assignors to Goldschmidt Thermit Company, N. Y. Uniting rails. No. 1,246,909; Nov. 20; v. 244; p. 595.
- Goldschmidt, Louis, Copenhagen, Denmark. Rotating plowing-wheel for motor-plows. No. 1,232,025; July 3; v. 240; p. 165.
- Goldschmidt Thermit Company. (See Goldschmidt and Brewitt, assignors.)
- Goldschmidt Thermit Company. (See Goldschmidt and Weil, assignors.)
- Goldsmith, Byron B., New York, N. Y. Composition of matter. No. 1,228,428; June 5; v. 239; p. 19.
- Goldsmith, Byron B., New York, N. Y. assignor to Redman Chemical Products Company, Chicago, Ill. Artificial resin and making the same. No. 1,230,829; June 19; v. 239; p. 905.
- Goldsmith, Frederick E., assignor to Ceramic Machinery Company, Hamilton, Ohio. Tile-coating machine. No. 1,238,128; Aug. 28; v. 241; p. 937.
- Goldsmith, George H., Old Orchard, Me., assignor to Saco-Lowell Shops, Boston, Mass. Attachment for spoolers. No. 1,239,385; Sept. 4; v. 242; p. 212.
- Goldsmith, George H., Old Orchard, Me., assignor to Saco-Lowell Shops, Boston, Mass. Mangle-gear. No. 1,239,386; Sept. 4; v. 242; p. 213.
- Goldsmith, Hugo, Cincinnati, Ohio. Foot-ball pants. No. 1,225,799; May 15; v. 238; p. 675.
- Goldsmith, Max S., Cincinnati, Ohio. Forming ribs on sheet metal. No. 1,244,598; Oct. 30; v. 243; p. 1119.
- Goldsmith, Nathaniel O., assignor to The Weir Frog Company, Norwood, Ohio. Frog. No. 1,246,418; Nov. 13; v. 244; p. 412.
- Goldsmith, Nathaniel O., assignor to The Weir Frog Company, Norwood, Ohio. Multiple drill. No. 1,249,379; Dec. 11; v. 245; p. 305.
- Goldsmith, Samuel. (See Baruch, Lindner, and Goldsmith.)
- Goldsmith, Stern & Co. (See Eisen, Jacob, assignor.)
- Goldsmith, William H., Jr., Biddeford, Me., assignor to Saco-Lowell Shops, Boston, Mass. Thread-guiding mechanism. No. 1,210,641; Jan. 2; v. 234; p. 92.
- Goldstein, Albert, assignor to S. B. Hess, New York, N. Y. Electrical thermostat and circuit. No. 1,229,939; June 12; v. 239; p. 574.
- Goldstein, Harry H., Hartford, Conn. Vending-machine. No. 1,217,592; Feb. 27; v. 235; p. 1223.
- Goldstein, Robert H., Los Angeles, Cal. Stage apparatus. No. 1,223,488; Apr. 24; v. 237; p. 971.
- Goldstone, Isaac, Brooklyn, N. Y. Sandal. No. 1,250,852; Dec. 18; v. 245; p. 778.
- Goldthwait, Joel E., Boston, Mass. Rowboat-seat. No. 1,245,098; Oct. 30; v. 243; p. 1270.
- Goldwire, William S., and J. F. Patton, assignors of one-third to W. R. Bedingsfield, Macon, Ga. Camera. No. 1,224,531; May 1; v. 238; p. 149.
- Golightly, William J., Kokomo, Ind., assignor to The Pittsburgh Plate Glass Company, Pittsburgh, Pa. Casting-table. No. 1,248,478; Dec. 4; v. 245; p. 14.
- Golling, Glenn G. (See Miller, John Z., assignor.)
- Gollmar, Benjamin F., Baraboo, Wis. Vapor-stove. No. 1,220,412; Mar. 27; v. 236; p. 985.
- Gollmar, Benjamin F., Baraboo, Wis. Vapor-stove. No. 1,220,413; Mar. 27; v. 236; p. 985.
- Gollmer, Edmund, New Ulm, Tex. Attachment for phonographic reproducers. No. 1,219,934; Mar. 20; v. 236; p. 779.
- Gollomb, Herman, New York, N. Y. Vaginal douche. No. 1,223,963; Apr. 24; v. 237; p. 1138.
- Gologan, Dumitru G., Newark, N. J. Cooking utensil. No. 1,228,108; May 29; v. 238; p. 1521.
- Goltra, Edward F., St. Louis, Mo. Treating iron ores. No. 1,216,109; Feb. 13; v. 235; p. 610.
- Golz, Maximilian R., Chicago, Ill. Automobile-lock. No. 1,221,044; Apr. 3; v. 237; p. 14.
- Gomes, Joaquin A., South Weymouth, Mass. Combined tongue and lace protector for shoes. No. 1,229,940; June 12; v. 239; p. 575.
- Gomez, Ginés F., assignor of one-half to E. Sanchez de Haro, Miami, Ariz. Apparatus for separating fluid-suspended material. No. 1,220,092; Mar. 20; v. 236; p. 834.
- Gongaware, William F., Oceanpark, Cal. Separator. No. 1,244,191; Oct. 23; v. 243; p. 957.
- Gonnella, Thomas, Philadelphia, Pa. Music-stand. No. 1,244,320; Oct. 23; v. 243; p. 998.
- Gonnella, Thomas, Philadelphia, Pa. Music-rack. No. 1,247,525; Nov. 20; v. 244; p. 770.
- Gonsalves, Antonio I., Funchal, Madeira Islands. Device for preparing infusions. No. 1,238,759; Sept. 4; v. 242; p. 12.
- Gonsalves, Antonio I., Funchal, Maderia. Coffee-mill. No. 1,247,394; Nov. 20; v. 244; p. 732.
- Gonsalves, Manoel E., New Amsterdam, British Guiana. Lock. No. 1,227,425; May 22; v. 238; p. 1258.
- Gonsky, Peter R., Edmonton, Alberta, Canada, assignor to Endlessgraph Manufacturing Company, Detroit, Mich. Stand for moving-picture machines. No. 1,223,577; Apr. 24; v. 237; p. 1002.
- Gonzales, Jesus M., Habana, Cuba. Automatic switch-point-throwing device. No. 1,251,218; Dec. 25; v. 245; p. 935.
- Gonzales, Richard P., Shreveport, La. Rotary display device. No. 1,237,502; Aug. 21; v. 241; p. 704.
- Gonzalo, Justo. (See Dampierre and Gonzalo.)
- Gonzenbach, Charles A., Warren, R. I. Machine for disintegrating and turning tubular fabric. No. 1,246,910; Nov. 20; v. 244; p. 595.
- Gooch, Bert, assignor of one-half to J. F. H. Dearborn, Johnston City, Ill. Door. No. 1,216,984; Feb. 20; v. 235; p. 965.
- Gooch, Claiborne W., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding and subtracting machine. No. 1,246,087; Nov. 13; v. 244; p. 312.
- Gooch, James C., Pittsburgh, Pa. Device for applying liquids. No. 1,242,174; Oct. 9; v. 243; p. 265.
- Good, Allen H., Spring City, Pa. Feed-hopper. No. 1,212,937; Jan. 16; v. 234; p. 950.
- Good, David D., Landis township, Cumberland county, N. J. Automatic train-stopping device. No. 1,211,838; Jan. 9; v. 234; p. 536.
- Good, Ezra E., Minneapolis, Minn. Milking apparatus. No. 1,228,314; May 29; v. 238; p. 1586.
- Good, Francis R., Philadelphia, Pa., assignor of one-half to J. E. Vollmer, Long Beach, Cal. Ruling-pen. No. 1,213,095; Jan. 16; v. 234; p. 1005.
- Good, John, Brooklyn, N. Y. Internal-combustion-engine valve. No. 1,230,291; June 19; v. 239; p. 728.
- Good, John, Brooklyn, N. Y. Inclosed forced-draft burner. No. 1,231,152; June 26; v. 239; p. 1055.
- Good, John, Brooklyn, N. Y. Heating apparatus. No. 1,250,160; Dec. 18; v. 245; p. 571.
- Good, John, Brooklyn, assignor to Servet Specialty Company, New York, N. Y. Toilet-paper-roll holder. No. 1,224,106; Apr. 24; v. 237; p. 1185.
- Good, Jonathan R., Didsbury, Alberta, Canada. Culvert-head or retaining-wall for culverts. No. 1,228,662; June 5; v. 239; p. 97.
- Good, Thomas L., and T. L. Tandy, assignors of one-sixth to H. P. Hotz, one-sixth to O. T. Dunlap, one-sixth to W. M. Doeblin, and one-sixth to C. W. Terry, Edwardsville, Ill. Automobile-wheel. No. 1,221,529; Apr. 3; v. 237; p. 186.
- Goodacre, Harry, and A. H. Allen, assignors to Heywood Brothers & Wakefield Company, Wakefield, Mass. Mat-holder. No. 1,241,957; Oct. 2; v. 243; p. 155.
- Goodale, Dexter C., St. Louis, Mo. Can-opening machine. No. 1,218,644; Mar. 13; v. 236; p. 298.
- Goodall, Henry R., Durham, N. C. Cigarette-roller. No. 1,233,048; July 10; v. 240; p. 532.
- Goodall, Howard W., Aidan, and W. S. Feeny, Philadelphia, Pa. Hose-coupling. No. 1,249,380; Dec. 11; v. 245; p. 306.
- Goodall, John N., Melrose Highlands, Mass. Pipe-coupling. No. 1,234,537; July 24; v. 240; p. 1087.
- Goodall, John N., Melrose Highlands, assignor to Jefferson Union Company, Lexington, Mass. Pipe-coupling. No. 1,237,249; Aug. 14; v. 241; p. 585.
- Goodall, Sigismund L., Chiswick, London, England. Tobacco-pipe, cigar and cigarette tube, and the like. No. 1,231,876; July 3; v. 240; p. 115.
- Goodcell, William, Balboa, Cal. Folding bed. No. 1,224,738; May 1; v. 238; p. 222.
- Goodchild, Euclid P., Spokane, Wash. Automobile-signal. No. 1,240,702; Sept. 18; v. 242; p. 690.
- Goode Anti-Skid Chain Manufacturing Company. (See Poling, Fred C., assignor.)
- Goode, Ovelia M., South Bend, Tex. Garment-protector. No. 1,232,530; July 10; v. 240; p. 364.
- Goodell, John H., Marseilles, Ill. Billiard-cue. No. 1,240,336; Sept. 18; v. 242; p. 578.

- Goodell, William, Millinocket, Me. Paper-pulp-lap-folding machine. No. 1,231,520; June 26; v. 239; p. 1175.
- Gooden, Jesse M. (See Quandt and Gooden.)
- Gooderham, Ernest F. and H. M., Patton, Pa. Railway-rail connection. No. 1,219,288; Mar. 13; v. 236; p. 522.
- Gooderham, George H., *et al.* (See McCollum, James H. K., assignor.)
- Gooderham, Henry M. (See Gooderham, Ernest F. and H. M.)
- Goodin, Sebastian L., assignor of one-half to A. F. Tuepker, Farber, Mo. Check-row planter. No. 1,229,941; June 12; v. 239; p. 575.
- Gooding, Reginald L., Bridgetown, Barbados, British West Indies. Treating steel to prevent rusting. No. 1,247,668; Nov. 27; v. 244; p. 844.
- Goodkind, Seymour B. (See Parmelee, Alfred L., assignor.)
- Goodlett, Edgar N., San Francisco, Cal. Concrete railway-tie. No. 1,225,325; May 8; v. 238; p. 473.
- Goodlett, Henry J., Laneville, Tex. Heel-sweep brace. No. 1,241,958; Oct. 2; v. 243; p. 155.
- Goodman, Alonzo T., and H. R. Eaton, Kill Buck, N. Y. Street and station indicator. No. 1,234,011; July 17; v. 240; p. 880.
- Goodman, Austin S., Oklahoma, Okla. Grain-separator. No. 1,243,284; Oct. 16; v. 243; p. 648.
- Goodman, Bennie, Millican, Oreg. Folding air-pump. No. 1,241,959; Oct. 2; v. 243; p. 156.
- Goodman, Joseph E. (See Campbell, Ernst P., assignor.)
- Goodman Manufacturing Company. (See Davis, Charles E., assignor.)
- Goodman Manufacturing Company. (See Pratt, Charles A., assignor.)
- Goodney, William G., Stambaugh, Mich. Filing-cabinet. No. 1,218,853; Mar. 13; v. 236; p. 376.
- Goodnow, Earle W., assignor to The "New-Way" Motor Company, Lansing, Mich. Cooling device for internal-combustion engines. No. 1,247,819; Nov. 27; v. 244; p. 890.
- Goodnow, William V., Washington, D. C. Car-door seal. No. 1,215,520; Feb. 13; v. 235; p. 396.
- Goodrich, Alonzo C., Chicago, Ill. Adjustable golf-club. No. 1,250,301; Dec. 18; v. 245; p. 613.
- Goodrich, George B., St. Louis, Mo. Cleaner for automobile wind-shields. No. 1,211,698; Jan. 9; v. 234; p. 485.
- Goodrich, George N., Detroit, Mich. Constructing crank-shafts. No. 1,235,026; July 31; v. 240; p. 1273.
- Goodrich, John K., assignor to R. A. Grant, Atlanta, Ga. Vending-machine. No. 1,242,681; Oct. 9; v. 243; p. 426.
- Goodrich, Joseph H., Turlock, Cal. Motor-truck. No. 1,242,682; Oct. 9; v. 243; p. 427.
- Goodrich, Lewellyn L., Omaha, Nebr. Preserving unhusked green corn. No. 1,247,261; Nov. 20; v. 244; p. 695.
- Goodrich, Walter E., Campello, Mass. Tire-tool. No. 1,211,571; Jan. 9; v. 234; p. 443.
- Goodrich, Winford W. (See McCray and Goodrich.)
- Goodridge, Gilbert W., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric-lamp socket. No. 1,215,141; Feb. 6; v. 235; p. 229.
- Goodridge, Gilbert W., assignor to The Bryant Electric Company, Bridgeport, Conn. Pull-switch indicator. No. 1,249,065; Dec. 4; v. 245; p. 184.
- Goodridge, Victor C., Chicago, Ill. Dynamo. No. 1,212,476; Jan. 16; v. 234; p. 788.
- Goodro, Joseph H., Gig Harbor, Wash. Scraper attachment. No. 1,250,853; Dec. 18; v. 245; p. 778.
- Goodrow, Paul, Olympia, Wash. Securing device for milk-bottles. No. 1,216,110; Feb. 13; v. 235; p. 611.
- Goodrum, Charles L. (See Lattig and Goodrum.)
- Goodrum, Charles L., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,211,434; Jan. 9; v. 234; p. 396.
- Goodrum, Charles L., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,215,925; Feb. 13; v. 235; p. 544.
- Goodrum, Charles L., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Automatic telephone system. No. 1,216,305; Feb. 20; v. 235; p. 731.
- Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,217,168; Feb. 27; v. 235; p. 1073.
- Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,221,166; Apr. 3; v. 237; p. 58.
- Goodrum, Charles L., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Two-way, two-wire trunk for multi-office automatic exchange systems. No. 1,224,874; May 1; v. 238; p. 93.
- Goodrum, Charles L., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,227,609; May 29; v. 238; p. 1349.
- Goodrum, Charles L., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Automatic telephone-exchange system. No. 1,231,013; June 26; v. 239; p. 1007.
- Goodrum, Charles L., assignor to Western Electric Company Incorporated, New York, N. Y. Telephone-exchange system. No. 1,232,279; July 3; v. 240; p. 249.
- Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone system. No. 1,233,870; July 17; v. 240; p. 835.
- Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone-exchange system. No. 1,238,129; Aug. 28; v. 241; p. 937.
- Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Calling device. No. 1,238,131; Aug. 28; v. 241; p. 938.
- Goodrum, Charles L., and H. F. Dobbin, assignors to Western Electric Company, Incorporated, New York, N. Y. Contact-bank for automatic switching devices. No. 1,227,904; May 29; v. 238; p. 1452.
- Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,244,488; Oct. 30; v. 243; p. 1085.
- Goodrum, Charles L., and B. G. Dunham, Rochester, N. Y., assignors, by mesne assignments, to Western Electric Company, Incorporated. Apparatus for transmitting impulses of current in electric circuits. No. 1,221,308; Apr. 3; v. 237; p. 108.
- Goodrum, Charles L., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone switching system. No. 1,245,900; Nov. 6; v. 244; p. 230.
- Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Overflow release means. No. 1,246,088; Nov. 13; v. 244; p. 312.
- Goodrum, Charles L., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,247,669; Nov. 27; v. 244; p. 844.
- Goodrum, Charles L., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Automatic telephone-exchange system. No. 1,248,479; Dec. 4; v. 245; p. 15.
- Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical registering system. No. 1,250,854; Dec. 18; v. 245; p. 779.
- Goodrum, Charles L., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-call-charge system and apparatus. No. 1,251,219; Dec. 25; v. 245; p. 935.
- Goodrum, Charles L., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone-exchange system. No. 1,221,167; Apr. 3; v. 237; p. 58.
- Goodrum, Charles L., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,221,168; Apr. 3; v. 237; p. 59.
- Goodrum, Charles L., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone-exchange system. No. 1,221,169; Apr. 3; v. 237; p. 59.
- Goodrum, Charles L., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone-exchange system. No. 1,238,130; Aug. 28; v. 241; p. 938.
- Goodrum, Charles L., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,250,116; Dec. 11; v. 245; p. 518.
- Goodrum, Charles L., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone system. No. 1,250,579; Dec. 18; v. 245; p. 697.
- Goodrum, Charles L., Urbana, Ohio, assignor, by mesne assignments, to Western Electric Company, Incorporated. Locking mechanism for impulse-transmitters. No. 1,223,382; Apr. 24; v. 237; p. 932.
- Goodrum, Charles L., Urbana, Ohio, assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,224,161; May 1; v. 238; p. 15.
- Goodrum, Charles L., Urbana, Ohio, assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone system and apparatus. No. 1,226,966; May 22; v. 238; p. 1107.
- Goodrum, Charles L., New York, and L. Von Nagy, Brooklyn, assignors to Western Electric Company, Incorporated, New York, N. Y. Impulse-sender. No. 1,237,503; Aug. 21; v. 241; p. 704.
- Goodrum, Charles L., Rochester, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Automatic telephone system. No. 1,247,395; Nov. 20; v. 244; p. 732.
- Goodrum, John T., Jr., Vienna, Ga. Insect-trap. No. 1,231,877; July 3; v. 240; p. 115.
- Goodson, George A., New York, N. Y. Camera. No. 1,241,843; Oct. 2; v. 243; p. 119.
- Goodson, Robert B., Lamar, S. C. Fertilizer-distributor. No. 1,217,863; Feb. 27; v. 235; p. 1314.
- Goodspeed, Leland F., assignor to Milwaukee Locomotive Manufacturing Company, Milwaukee, Wis. Gearing for locomotives. No. 1,212,625; Jan. 16; v. 234; p. 842.
- Goodspeed, Leland F., assignor to Milwaukee Locomotive Manufacturing Company, Milwaukee, Wis. Gearing for locomotives. No. 1,212,626; Jan. 16; v. 234; p. 843.

Alphabetical list of patentees—Continued.

- Goodwin, James, Camden, Del. Fuel-economizer for explosive-engines. No. 1,244,321; Oct. 23; v. 243; p. 998.
- Goodwill, Jasper E., Omaha, Nebr. Hoisting apparatus for scaffolds. No. 1,231,014; June 26; v. 239; p. 1008.
- Goodwillie, Walter S., assignor to D. M. Goodwillie Co., Chicago, Ill. Box. No. 1,234,152; July 24; v. 240; p. 962.
- Goodwin, Adam M., and J. N. Weaver, Pittsburgh, Pa. Mechanical digger. No. 1,238,509; Aug. 28; v. 241; p. 1062.
- Goodwin, Harold R. (See Goodwin, John F., assignor.)
- Goodwin, James A., St. Louis, Mo. Vehicle direction-indicator. No. 1,234,751; July 31; v. 240; p. 1188.
- Goodwin, James D., New York, N. Y., assignor, by mesne assignments, to The Tobacco Stemming Machine Company, Baltimore, Md. Tobacco-stemming machine. No. 1,236,078; Aug. 7; v. 241; p. 177.
- Goodwin, John F., Charlestown, Mass., assignor to S. N. Eastman, administratrix. Means for adjusting a vehicle-spring to various loads. No. 1,229,254; June 12; v. 239; p. 345.
- Goodwin, John F., assignor to H. R. Goodwin, Sarnia, Ontario, Canada. Gas water-heater. No. 1,234,461; July 24; v. 240; p. 1063.
- Goodwin, John O., Akron, Ohio. Winding-machine. No. 1,246,260; Nov. 13; v. 244; p. 364.
- Goodwin, William B., Columbus, Ohio. Transmission mechanism for motor-vehicles. No. 1,212,627; Jan. 16; v. 234; p. 843.
- Goody, Carl O., assignor of one-half to G. W. Oosterlund, Chicago, Ill. Scale. No. 1,220,142; Mar. 20; v. 236; p. 855.
- Goodyear, Ernest F., Dudley, England. Wheel for automobiles and the like. No. 1,211,572; Jan. 9; v. 234; p. 443.
- Goodyear, Katharine F. (See Earle, Reginald W., assignor.)
- Goodyear Tire and Rubber Company, The. (See Bedford, Clayton W., assignor.)
- Goodyear Tire and Rubber Company, The. (See Blanc, Charles, assignor.)
- Goodyear Tire and Rubber Company, The. (See Darrow, Burgess, assignor.)
- Goodyear Tire & Rubber Company, The. (See Hoover, Clair G., assignor.)
- Goodyear Tire and Rubber Company, The. (See Nall, Edward, assignor.)
- Goodyear Tire & Rubber Company, The. (See Tyler and Heffelfinger, assignors.)
- Goodyear Tire & Rubber Company, The, et al. (See Wagendorst, James H., assignor.)
- Goodyear's India Rubber Glove Manufacturing Company, The. (See Eggers, Anton C., assignor.)
- Goodyear's Metallic Rubber Shoe Company, The. (See Clark, Myron H., assignor.)
- Goodyear's Metallic Rubber Shoe Company. (See Lee, Clifford, assignor.)
- Goodyear's Metallic Rubber Shoe Company, The. (See Price and Whittelsey, assignors.)
- Goodyear's Metallic Rubber Shoe Company, The. (See Ritter, Herman W., assignor.)
- Goodyear's Metallic Rubber Shoe Company, The. (See Traver, Jay E., assignor.)
- Goodyear's Metallic Rubber Shoe Company, The. (See Wiegand and Rieder, assignors.)
- Gooley, August B. (See Wires, Pearle J., assignor.)
- Gooszy, Charles A., assignor to B. A. Ballou & Co., Inc., Providence, R. I. Clasp. No. 1,229,942; June 12; v. 239; p. 575.
- Gooszy, Charles A., assignor to B. A. Ballou & Company Inc., Providence, R. I. Button-fastener. No. 1,237,326; Aug. 21; v. 241; p. 648.
- Gooszy, Charles A., assignor to B. A. Ballou and Company, Inc., Providence, R. I. Spring-ring. No. 1,244,599; Oct. 30; v. 243; p. 1120.
- Gooszy, Charles A., assignor to B. A. Ballou & Company, Inc., Providence, R. I. Chain-connector. No. 1,246,911; Nov. 20; v. 244; p. 595.
- Gordon, Albert H., Brooklyn, N. Y. Boy's blouse. No. 1,226,654; May 22; v. 238; p. 1000.
- Gordon, Byron B., Logansport, Ind. Locomotive-scale. No. 1,218,253; Mar. 6; v. 236; p. 129.
- Gordon, Charles E., Marlboro, Mass. Aerohydro-ship. No. 1,238,907; Sept. 4; v. 242; p. 60.
- Gordon, David D., Chicago, Ill., assignor to Yost Electric Manufacturing Company, Toledo, Ohio. Electric-switch mechanism. No. 1,219,548; Mar. 20; v. 236; p. 645.
- Gordon, David D., Chicago, Ill., assignor to The Yost Electric Manufacturing Company, Toledo, Ohio. Electric-switch mechanism. No. 1,220,220; Mar. 27; v. 236; p. 916.
- Gordon, David D., Chicago, Ill., assignor to The Yost Electric Manufacturing Company, Toledo, Ohio. Electric-switch mechanism. No. 1,220,414; Mar. 27; v. 236; p. 985.
- Gordon, David D., Chicago, Ill., assignor to The Yost Electric Manufacturing Company, Toledo, Ohio. Electric-switch mechanism. No. 1,228,905; June 5; v. 239; p. 180.
- Gordon, David D., Chicago, Ill., assignor to The Yost Electric Manufacturing Company, Toledo, Ohio. Electric-switch mechanism. No. 1,228,906; June 5; v. 239; p. 180.
- Gordon, David D., Chicago, Ill., assignor to The Yost Electric Manufacturing Company, Toledo, Ohio. Electric-switch mechanism. No. 1,228,907; June 5; v. 239; p. 181.
- Gordon, David D., Chicago, Ill., assignor to The Yost Electric Manufacturing Company, Toledo, Ohio. Chain-guide for pull-sockets. No. 1,233,339; July 17; v. 240; p. 660.
- Gordon, David D., Chicago, Ill., assignor to The Yost Electric Manufacturing Company, Toledo, Ohio. Electric socket. No. 1,247,820; Nov. 27; v. 244; p. 890.
- Gordon, David D., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Plug. No. 1,236,161; Aug. 7; v. 241; p. 203.
- Gordon, Dora G., Pasadena, Cal. White shoe-polish. No. 1,249,742; Dec. 11; v. 245; p. 410.
- Gordon, Frank, et al. (See Guthrie, Venable J., assignor.)
- Gordon, George A., Medford, Mass. Moccasin. No. 1,236,925; Aug. 14; v. 241; p. 483.
- Gordon, George C., assignor to The Park Drop Forge Company, Cleveland, Ohio. Making counterbalanced crankshafts. No. 1,232,791; July 10; v. 240; p. 449.
- Gordon, Harry C. (See Stafford, Ingram, and Gordon.)
- Gordon, Hayner H., Washington, D. C. Electrical system. No. 1,224,739; May 1; v. 238; p. 222.
- Gordon, John H., assignor of one-half to N. Brown, Arlington, Wash. Grease-gun. No. 1,235,134; July 31; v. 240; p. 1306.
- Gordon, John W., St. Catharines, Ontario, Canada. Toy gun. No. 1,215,926; Feb. 13; v. 235; p. 544.
- Gordon, John W., St. Catharines, Ontario, Canada. Toy target. No. 1,215,927; Feb. 13; v. 235; p. 544.
- Gordon, Joseph L., Liverpool, England. Means for securing ships' hatch-coverings. No. 1,226,878; May 22; v. 238; p. 1077.
- Gordon, Joseph M., Eureka, Kans. Mode of protecting storage structures from lightning. No. 1,239,477; Sept. 11; v. 242; p. 270.
- Gordon, Oswald H., Manly, N. C. Automobile attachment. No. 1,233,661; July 17; v. 240; p. 769.
- Gordon, P. E., et al. (See Lundgren, Ludwig L., assignor.)
- Gordon, Robert L., assignor to American Optical Company, Southbridge, Mass. Lens. No. 1,223,691; Apr. 24; v. 237; p. 1045.
- Gore, Emmet, and G. S. Henson, Rushville, Mo. Hog-feeder. No. 1,240,437; Sept. 18; v. 242; p. 610.
- Gore, Marcus J., Bay City, Wis. Curtain-pole support and shade-bracket. No. 1,239,387; Sept. 4; v. 242; p. 213.
- Gore, Normal G., assignor of one-half to J. N. Moore, Plainfield, N. J. Hair-trimmer. No. 1,236,926; Aug. 14; v. 241; p. 483.
- Gore, Warren W., assignor to Fuller & Johnson Mfg. Co., Madison, Wis. Power lawn-mower. No. 1,240,561; Sept. 18; v. 242; p. 648.
- Gorham, Charles T., and C. Kelly, Clintonville, Wis. Front-wheel drive. No. 1,234,752; July 31; v. 240; p. 1188.
- Gorham, Herbert N., Brooklyn, N. Y. Dental instrument. No. 1,232,280; July 3; v. 240; p. 249.
- Gorham Manufacturing Company. (See Pender, James E. F., assignor.)
- Gorham, Marguerite. (See Burke, Mike T., assignor.)
- Gorham, Ralph, Winfield, and C. G. Cary, Zeoring, Iowa. Meat-support. No. 1,222,390; Apr. 10; v. 237; p. 518.
- Gorham, Adolf, Liesing, near Vienna, Austria-Hungary. Purifying acetic acid. No. 1,210,792; Jan. 2; v. 234; p. 143.
- Gorin, Fred P. (See Frantz, Charles T., assignor.) (Re-issue.)
- Gorini, C. P., et al. (See Pittaluga, Stefano, assignor.)
- Gorman, Daniel J. (See Wenyon, John T., assignor.)
- Gorman, James C., Jr., assignor to The Barnes Manufacturing Company, Mansfield, Ohio. Double-acting force-pump. No. 1,224,532; May 1; v. 238; p. 149.
- Gorman, James P., New York, N. Y. Collar. No. 1,218,254; Mar. 6; v. 236; p. 129.
- Gorman, John A., Newton, N. J. Button and buttonhole-marker combined. No. 1,225,615; May 8; v. 238; p. 571.
- Gorman, Patrick J., Harrison, N. J. Garment-hanger. No. 1,245,901; Nov. 6; v. 244; p. 230.
- Gorman, Walter J., Jersey City, N. J. Burial-vault. No. 1,242,344; Oct. 9; v. 243; p. 318.
- Gorrell, Mary, Billings, Mont. Bobbin. No. 1,243,157; Oct. 16; v. 243; p. 610.
- Gorski, John. (See Krasnodemski, John, assignor.)
- Gorsuch, Edwin W., Baltimore, Md. Automatic train-control system. No. 1,221,309; Apr. 3; v. 237; p. 108.
- Gorsuch, Edwin W., Baltimore, Md. Shoe structure for train-control systems. No. 1,221,310; Apr. 3; v. 237; p. 109.
- Gorsuch, Luther J., East Pleasant Plains, Iowa. Switch mechanism for telephone systems. No. 1,216,111; Feb. 13; v. 235; p. 611.
- Gorton, George, Racine, Wis. Stock-clamping mechanism for cutting-off and other machines. No. 1,219,935; Mar. 20; v. 236; p. 779.
- Gorton, Josephine S., Chicago, Ill. Instrument for drafting patterns for garments. No. 1,214,296; Jan. 30; v. 234; p. 1484.
- Gorton, Rebecca C., Waterproof, La. Adjustable bedside surgical table. No. 1,243,508; Oct. 16; v. 243; p. 715.

- Goshie, Ludwig, New York, N. Y. Lock. No. 1,246,588; Nov. 13; v. 244; p. 464.
- Gosline, Daniel P., Boston, Mass. By-pass valve. No. 1,233,340; July 17; v. 240; p. 660.
- Gosline, John T., Vancouver, British Columbia, Canada. Side-dressing attachment for saw-filing machines. No. 1,243,731; Oct. 23; v. 243; p. 878.
- Gosman, Robert, Amagansett, N. Y. Rinsing and draining device for clothes. No. 1,214,297; Jan. 30; v. 234; p. 1485.
- Gosman, Robert, Amagansett, N. Y. Pencil attachment. No. 1,244,192; Oct. 23; v. 243; p. 958.
- Gosnell, Charles W. (See Payne and Gosnell.)
- Gosnell, Christopher C. (See Thacker and Gosnell.)
- Goss, Charles E. (See Goss, George W., assignor.)
- Goss, Charles H. (See Goss, Harold D. and C. H.)
- Goss, George W., assignor of one-half to C. E. Goss, Baltimore, Ohio. Planting-machine. No. 1,227,610; May 29; v. 238; p. 1350.
- Goss, Harold D. and C. H., Union City, Pa. Detachable ladder-shelf. No. 1,243,732; Oct. 23; v. 243; p. 818.
- Goss, Harry T., Rutherford, N. J., assignor to International Time Recording Company of New York, Endicott, N. Y. Counting and recording mechanism. No. 1,228,315; May 29; v. 238; p. 1587.
- Goss, Harry T., Rutherford, and J. W. Bryce, Bloomfield, N. J., assignors to International Time Recording Company of New York, Endicott, N. Y. Time-recorder and recording elapsed time. No. 1,218,995; Mar. 13; v. 236; p. 425.
- Goss, John L., Dayton, Ohio. Steering-gear. No. 1,232,281; July 3; v. 240; p. 249.
- Goss, Oliver P. M., Seattle, Wash. Impregnating timber and other material with a preservative. No. 1,219,888; Mar. 13; v. 236; p. 559.
- Goss Printing Press Company. (See Evensen, William M., assignor.)
- Goss Printing Press Company, The. (See Goss, Samuel G., assignor.)
- Goss Printing Press Company. (See Goss and Smith, assignors.)
- Goss Printing Press Company. (See Seymour, Ralph C., assignor.)
- Goss Printing Press Company, The. (See Smith, Ernest J., assignor.)
- Goss Printing Press Company, The. (See Walser and Dresser, assignors.)
- Goss, Samuel F., assignor of one-third to F. H. Page and one-third to E. E. McClaran, Portland, Ore. Drain-pipe. No. 1,245,703; Nov. 6; v. 244; p. 170.
- Goss, Samuel G., Glencoe, assignor to The Goss Printing Press Company, Chicago, Ill. Stereotype-plate-finishing machine. No. 1,212,049; Jan. 9; v. 234; p. 609.
- Goss, Samuel G., Glencoe, assignor to Goss Printing Press Company, Chicago, Ill. Operating mechanism for ink-rollers. No. 1,225,800; May 15; v. 238; p. 675.
- Goss, Samuel G., Glencoe, assignor to The Goss Printing Press Company, Chicago, Ill. Automatic stereotype-plate-finishing machine. No. 1,230,577; June 19; v. 239; p. 824.
- Goss, Samuel G., Glencoe, and E. J. Smith, assignors to The Goss Printing Press Company, Chicago, Ill. Grain-ing mechanism. No. 1,233,049; July 10; v. 240; p. 532.
- Gossard, Sarah L., Chicago, Ill. Anatomical corset. No. 1,232,282; July 3; v. 240; p. 250.
- Gosselin, Alphonse J. (See Ingle and Gosselin.)
- Gosselin, Henry G. (See Olson and Gosselin.)
- Gossett, Richard C., Moscow, Idaho. Adjustable seat. No. 1,246,261; Nov. 13; v. 244; p. 364.
- Gossling, Walter E. (See Noble and Gossling.)
- Gotobed, Joseph W., and R. F. Forward, Villisca, Iowa. Door-operating mechanism. No. 1,216,439; Feb. 20; v. 235; p. 780.
- Gotta, Robert B., *et al.* (See Rodier, Harold B., assignor.)
- Gottfried, Albert A., Detroit, Mich. Operating device for signals. No. 1,215,521; Feb. 13; v. 235; p. 397.
- Gotthelf, August H. (See Baekeland and Gotthelf.)
- Gottlieb, Bernhard. (See Berger, Adolf, assignor.)
- Gottschalk, Albert, New York, N. Y., assignor to National Pneumatic Company, Chicago, Ill. Motor for fluid-pressure door-operating devices. No. 1,230,070; June 12; v. 239; p. 616.
- Gottschalk, Felix, Hilton, N. J. Ear-tube. No. 1,245,217; Nov. 6; v. 244; p. 23.
- Gottschalk, Felix, Hilton, N. J. Transmitter-cell. No. 1,245,218; Nov. 6; v. 244; p. 23.
- Gottschalk, Frederick, assignor to Graphic Duplicator Co., Inc., New York, N. Y. Duplicating-machine. No. 1,224,634; May 1; v. 238; p. 185.
- Gottschalk, Julius, New York, N. Y. Filler-form for embroidery. No. 1,221,440; Apr. 3; v. 237; p. 154.
- Gottschall, Lionel, Dayton, Ohio. Folding box. No. 1,241,844; Oct. 2; v. 243; p. 120.
- Gotwals, William O., Washington, D. C. Tire-machine. No. 1,248,645; Dec. 4; v. 245; p. 64.
- Gotty Gas Lighting Company. (See Gotty, John G., as signor.)
- Gotty, John G., Jacksonville, Fla., assignor to Gotty Gas Lighting Company. Production of self-lighting gas-mantles. No. 1,227,259; May 22; v. 238; p. 1207.
- Gotty, John G., Jacksonville, Fla., assignor to Gotty Gas Lighting Company. Gas-mantle ring. No. 1,227,260; May 22; v. 238; p. 1207.
- Goudy, C. F., *et al.* (See Johnson, Rolly A. and G., assignors.)
- Gough, Isabelle V., administratrix. (See Gough, William R.)
- Gough, William R., deceased, Brooklyn, N. Y.; I. V. Gough, administratrix. Fire-hose coupling. No. 1,225,616; May 8; v. 238; p. 571.
- Gouinlock, William S., Warsaw, N. Y. Ensilage-cutter. No. 1,218,079; Mar. 6; v. 236; p. 66.
- Goularte, Manuel F. (See Rasmussen and Goularte.)
- Gould & Ash. (See Ash, Charles S., assignor.)
- Gould Coupler Company. (See Bouché, William F., assignor.)
- Gould Coupler Company. (See Crosby, Gorham, assignor.)
- Gould Coupler Company. (See Jepson, John W., assignor.)
- Gould Coupler Company. (See McGary, Alexander, assignor.)
- Gould Coupler Company. (See Milne and Richards, assignors.)
- Gould Coupler Company. (See Richards, Willard F., assignor.)
- Gould Coupler Company. (See Sauvage, William H., assignor.)
- Gould & Eberhardt. (See Zimmerman, William F., assignor.)
- Gould, Edwin J., San Diego, Cal. Differential or compensating gearing. No. 1,222,097; Apr. 10; v. 237; p. 414.
- Gould, Edwin J., Fruitvale, Cal. Shock-absorbing wheel. No. 1,250,447; Dec. 18; v. 245; p. 653.
- Gould, Harry M., Portland, Me. Window-screen. No. 1,232,283; July 3; v. 240; p. 250.
- Gould, Millard H., Pittsburgh, Pa. Clamp. No. 1,240,966; Sept. 25; v. 242; p. 806.
- Gould, Reuben, New York, N. Y. Hair-fastener. No. 1,241,960; Oct. 2; v. 243; p. 156.
- Gould Storage Battery Company. (See Chamberlain, Rufus N., assignor.)
- Gould, Sylvester O., Marion, Ind. Engine. No. 1,221,530; Apr. 3; v. 237; p. 186.
- Gould, Sylvester O., Marion, Ind. Motor. No. 1,228,316; May 29; v. 238; p. 1587.
- Gouldbourn, Joseph, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Dash-pot mechanism. No. 1,240,196; Sept. 18; v. 242; p. 534.
- Goulet, John L., Los Angeles, Cal. Beet-topper. No. 1,220,977; Mar. 27; v. 236; p. 1176.
- Gounley, James F., Philadelphia, Pa., assignor, by mesne assignments, to The Rapid Electrotyping Company, Cincinnati, Ohio. Apparatus for backing electrotyping-shells. No. 1,219,289; Mar. 13; v. 236; p. 523.
- Gourley, James C., assignor to The Smyth Manufacturing Company, Hartford, Conn. Machine for shaping the backs of book-covers. No. 1,230,292; June 19; v. 239; p. 729.
- Gove, Henry H., Biddeford, Me. Flushing device. No. 1,216,797; Feb. 20; v. 235; p. 903.
- Gove, Henry H., assignor of one-half to J. F. Dean, Biddeford, Me. Rotary valve for internal-combustion engines. No. 1,249,066; Dec. 4; v. 245; p. 185.
- Gove, Henry S., Moorhead, Miss. Electromagnetic shift for headlights. No. 1,233,341; July 17; v. 240; p. 661.
- Government of the United States. (See Colburn, Frederick H., assignor.)
- Government of the United States and the people of the United States. (See Prince, Robert E., assignor.)
- Government of the United States of America. (See Fahrenwald, Frank A., assignor.)
- Gow, Alexander M., Duluth, Minn. Door for side-dump cars. No. 1,210,462; Jan. 2; v. 234; p. 29.
- Gow, Alexander M., Duluth, Minn. Dump-car. No. 1,248,312; Nov. 27; v. 244; p. 1027.
- Gow, Alexander M., assignor of one-half to S. H. Hill, Duluth, Minn. Hot-water heating system. No. 1,241,208; Sept. 25; v. 242; p. 881.
- Gow, Alexander M., Duluth, Minn., and F. E. Keese, Ishpeming, Mich. Loader. No. 1,223,578; Apr. 24; v. 237; p. 1002.
- Gowdey, John, Philadelphia, Pa. Tumbling doll. No. 1,214,454; Jan. 30; v. 234; p. 1536.
- Gower, Arthur, London, England. Method of manufacturing padding for use in making bullet-proof clothing, armor, shields, and the like. No. 1,226,767; May 22; v. 238; p. 1039.
- Gowland, Henry O., Montreal, Quebec, Canada. Smoothing-head for manufacturing eyeglass-lenses. No. 1,212,628; Jan. 16; v. 234; p. 844.
- Gowland, Henry O., Montreal, Quebec, Canada, assignor to National Trust Company Limited, (in trust.) Lens-grinding machine. No. 1,217,090; Feb. 20; v. 235; p. 1000.
- Gowrie, William A., San Pedro de Macoris, Dominican Republic, West Indies. Gage for railway-frogs. No. 1,245,704; Nov. 6; v. 244; p. 170.
- Goyne, William E. (See Goyne and Pacetti.)
- Goyne, William J. and W. E., and G. M. Pacetti, City Point, Va. Separator. No. 1,219,290; Mar. 13; v. 236; p. 523.
- Goyssovich, Rafoelo. (See Hrnich, Milan, assignor.)

Alphabetical list of patentees—Continued.

- Goza, Walter D., Los Angeles, Cal. Bumper wheel-lock. No. 1,241,961; Oct. 2; v. 243; p. 156.
- Grabau, Hans E., Long Island City, assignor to G. Abraham, New York, N. Y. Garment-supporter. No. 1,239,683; Sept. 11; v. 242; p. 337.
- Grabau, Hans E., Long Island City, and A. C. Schwartz, New York, N. Y.; said Grabau assignor to said Schwartz. Tire-casing. No. 1,227,426; May 22; v. 238; p. 1259.
- Grabau, Hans E., Long Island City, and A. C. Schwartz, New York, N. Y.; said Grabau assignor to said Schwartz. Making tire-casings. No. 1,227,427; May 22; v. 238; p. 1259.
- Grabe, Georg, Nikolassee, near Berlin, assignor to Siemens & Halske, A. G., Berlin, Germany. Telephone system. No. 1,239,097; Sept. 4; v. 242; p. 121.
- Grabill, John F., Flora, Ill. Shock-absorbing steering-knuckle for automobiles. No. 1,249,616; Dec. 11; v. 245; p. 373.
- Grace, Clarence M., Huntsville, Ala. Andiron. No. 1,234,153; July 24; v. 240; p. 962.
- Grace, Henry S., San Francisco, Cal. Car-fender. No. 1,212,762; Jan. 16; v. 234; p. 892.
- Gracey, Charles B., Coraopolis, assignor of one-fourth to J. N. Cooke, Pittsburgh, Pa. Nut-lock. No. 1,233,342; July 17; v. 240; p. 661.
- Gracey, Frank T., and T. W. Lander, Eddyville, Ky.; said Lander assignor of one-fourth to said Gracey. Pneumatic alarm system. No. 1,219,723; Mar. 20; v. 236; p. 705.
- Gracey, La Fayette, Jonesboro, Ark. Surgical instrument. No. 1,217,745; Feb. 27; v. 235; p. 1274.
- Gradick, Wiley, Sr., Tyler, Tex., assignor to Woldert Grocery Company (Incorporated) Nutcracker. No. 1,248,313; Nov. 27; v. 244; p. 1027.
- Gradi, Joseph, Gelsenkirchen, Germany. Bell-end pipe. No. 1,249,743; Dec. 11; v. 245; p. 410.
- Gradwell, William E., Clayton Bridge, England. Warp stop-motion for looms. No. 1,245,705; Nov. 6; v. 244; p. 171.
- Grady, Frank W., Taft, Cal. Shaving kit. No. 1,213,352; Jan. 23; v. 234; p. 1129.
- Graebing, Edward E., Chicago, Ill. Safety device for elevators. No. 1,221,531; Apr. 3; v. 237; p. 187.
- Graemiger, Benjamin, assignor to Aktiengesellschaft der Maschinenfabriken Escher, Wyss & Co., Zurich, Switzerland. Apparatus for driving machines. No. 1,233,569; July 17; v. 240; p. 740.
- Graf, Andrew B., Cincinnati, Ohio. Reboiler for ice-machines. No. 1,236,927; Aug. 14; v. 241; p. 484.
- Graf, Emil, assignor, by mesne assignments, to J. Manoil, New York, N. Y. Safety spring-winding mechanism. No. 1,217,746; Feb. 27; v. 235; p. 1275.
- Graf, Jacob, Toledo, Ohio. Natural-ice producer. No. 1,247,821; Nov. 27; v. 244; p. 890.
- Graf, John C., Hollister, Cal. Priming device. No. 1,221,532; Apr. 3; v. 237; p. 187.
- Graf, R. J., *et al.* (See Connor and Miles, assignors.)
- Graf, William, and C. F. Nickel, Baltimore, Md. Machine for molding concrete blocks. No. 1,238,132; Aug. 28; v. 241; p. 939.
- Graffam, Walter S., Northampton, Mass. Antirattler for automobiles. No. 1,232,678; July 10; v. 240; p. 411.
- Graffam, Walter S., West Newton, Mass. Antirattling device for control-rods. No. 1,240,562; Sept. 18; v. 242; p. 648.
- Graffenberger, Friedrich, assignor to A. Geo. Schulz Co., Milwaukee, Wis. Thumb-hole machine. No. 1,241,506; Oct. 2; v. 243; p. 10.
- Graftey, Elmer E., Kansas City, Mo. Cleanser. No. 1,214,025; Jan. 30; v. 234; p. 1391.
- Grafstein, Josef, assignor to Conjoint Jewelry Corporation, Inc., New York, N. Y. Finger-ring. No. 1,228,663; June 5; v. 239; p. 98.
- Graft, John C., East Orange, N. J. Abrasive-coated material. No. 1,217,593; Feb. 27; v. 235; p. 1223.
- Graham, Alford M. (See Schurman, Elias W., assignor.)
- Graham, Andrew L., Santa Rosa, Cal. Kite. No. 1,223,163; Apr. 17; v. 237; p. 828.
- Graham, Andrew W., Buffalo, N. Y. Projectile. No. 1,219,724; Mar. 20; v. 236; p. 705.
- Graham, Andrew W., Buffalo, N. Y. Projectile. No. 1,234,657; July 24; v. 240; p. 1124.
- Graham, Andrew W., Buffalo, N. Y., assignor of one-half to E. M. Treat, Pittsburgh, Pa. Ledger-type memorial and sepulcher. No. 1,219,725; Mar. 20; v. 236; p. 705.
- Graham, Andrew W., Buffalo, N. Y., assignor of one-half to E. M. Treat, Pittsburgh, Pa. Damp-proofing burial-vaults. No. 1,238,760; Sept. 4; v. 242; p. 12.
- Graham, Archibald. (See Graham, John and A.)
- Graham, Calle M., Parker, Ariz. Refrigerator. No. 1,219,936; Mar. 20; v. 236; p. 780.
- Graham, Caroline, West Chester, Pa. Spoon-holder. No. 1,237,504; Aug. 21; v. 241; p. 705.
- Graham, Charles C. (See Parks, Forrest C., assignor.)
- Graham, Charles E., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for operating upon boots and shoes. No. 1,238,133; Aug. 28; v. 241; p. 939.
- Graham, Clarence J., and J. A. Farris, Chicago, Ill. Circuit-closer for automatic train-stops. No. 1,223,866; Apr. 24; v. 237; p. 1105.
- Graham, Clarence J., and J. A. Farris, Chicago, Ill. Pipe. No. 1,229,943; June 12; v. 239; p. 576.
- Graham, Claud E. (See Hodge, Graham, and Woodard.)
- Graham, Earl B., and R. B. Kirkham, Bellingham, Wash. Lard substitute. No. 1,218,758; Mar. 13; v. 236; p. 340.
- Graham, Earl B., and R. E. Kirkham, Bellingham, Wash. Manufacturing pastry-shortening. No. 1,218,759; Mar. 13; v. 236; p. 340.
- Graham, Edward A., Brockley, London, England. Telephone system. No. 1,211,455; Jan. 9; v. 234; p. 397.
- Graham, George M., Jr., Fargo, N. D. Forming reinforced-concrete floors. No. 1,224,375; May 1; v. 238; p. 93.
- Graham, Henry W., Beardsley, Minn. Bundle-loader. No. 1,232,284; July 3; v. 240; p. 250.
- Graham, Howard T. (See Smith, Lafayette E., assignor.)
- Graham, J. S., *et al.* (See Berry, Charles S., assignor.)
- Graham, John. (See Auld and Graham.)
- Graham, John and A., Glasgow, Scotland. Fluid-pressure valve. No. 1,217,747; Feb. 27; v. 235; p. 1275.
- Graham, John T., Halstead, England. Means for controlling the operation of air-gas plants. No. 1,243,509; Oct. 16; v. 243; p. 716.
- Graham, John W., Hinton, W. Va. Typographical or slug-casting machine. No. 1,220,093; Mar. 20; v. 236; p. 834.
- Graham, John W., Hinton, W. Va. Typographical or slug-casting machine. No. 1,220,094; Mar. 20; v. 236; p. 835.
- Graham, John W., Hinton, W. Va. Typographical or line-casting machine. No. 1,226,204; May 15; v. 238; p. 812.
- Graham, John W., Hinton, W. Va. Typographical or slug-casting machine. No. 1,226,205; May 15; v. 238; p. 812.
- Graham, John W., Hinton, W. Va. Typographical or line-casting machine. No. 1,229,605; June 12; v. 239; p. 465.
- Graham, John W., Hinton, W. Va. Linotype or slug-casting machine. No. 1,229,606; June 12; v. 239; p. 465.
- Graham, John W., Hinton, W. Va. Typographical or slug-casting machine. No. 1,235,563; Aug. 7; v. 241; p. 11.
- Graham, Leslie B., East Chicago, Ind., assignor of one-third to himself, one-third to A. H. Adams, Oak Park, and one-third to J. L. Jackson, River Forest, Ill. Apparatus for obtaining direct currents from alternating currents. No. 1,221,311; Apr. 3; v. 237; p. 109.
- Graham, Linwood L., Cades, S. C. Animal-trap. No. 1,221,312; Apr. 3; v. 237; p. 110.
- Graham, Robert M., Akron, Ohio. Mixing-machine for rubber. No. 1,220,221; Mar. 27; v. 236; p. 916.
- Graham, Robert S., St. Joseph, Mo. Internal-combustion engine. No. 1,214,672; Feb. 6; v. 235; p. 67.
- Graham, Robert S., New York, N. Y. Key for type-writing and other machines. No. 1,218,760; Mar. 13; v. 236; p. 341.
- Graham, Ross G., assignor to The Pilliod Company, Swanton, Ohio. Valve-gear. No. 1,219,549; Mar. 20; v. 236; p. 645.
- Graham, Samuel C. (See McCarter, Louis N., assignor.)
- Graham, Thomas F., Chicago, Ill. Water game. No. 1,231,251; June 26; v. 239; p. 1088.
- Graham, Thomas F., Braddock, Pa. Steel-reinforced-concrete fence. No. 1,247,107; Nov. 20; v. 244; p. 651.
- Graham, Thomas W., Myrtle, Miss. Device for killing vermin on live stock. No. 1,233,871; July 17; v. 240; p. 835.
- Graham, Walter E., Philadelphia, Pa. Lawn-mower. No. 1,226,206; May 15; v. 238; p. 813.
- Graham, William B., Sapulpa, Okla. Appliance to be attached to automobiles. No. 1,217,594; Feb. 27; v. 235; p. 1223.
- Graham, William D., Lake Pickett, Fla. Feed-trough. No. 1,240,134; Sept. 11; v. 242; p. 474.
- Graham, William F., and S. C. Hawthorne, Lincoln, Nebr. Advertising-display device. No. 1,229,944; June 12; v. 239; p. 576.
- Graham, William S., assignor to Parlin & Orendorff Company, Canton, Ill. Gang-plow. No. 1,237,505; Aug. 21; v. 241; p. 705.
- Graham, William S., assignor to Parlin & Orendorff Company, Canton, Ill. Lister-plow. No. 1,249,067; Dec. 4; v. 245; p. 185.
- Grahl, Joseph B., Canton, N. C. Trough. No. 1,248,616; Dec. 4; v. 245; p. 65.
- Grahl, Max C., Dresden-Loebtau, Germany. Pasting apparatus for cigarette-making machines. No. 1,248,314; Nov. 27; v. 244; p. 1027.
- Grahn, Henry. (See Marten, Grahn, and Andresen.)
- Grain Products Company. (See Black, Ashley V., assignor.)
- Gram, Michael N., Pittsburgh, Pa. Cope-flask. No. 1,233,221; July 10; v. 240; p. 589.
- Gramm, John, New York, N. Y., assignor of one-half to J. Gramm, Washington, D. C. Push-button. No. 1,249,068; Dec. 4; v. 245; p. 185.
- Gramm, Jonathan. (See Gramm, John, assignor.)
- Grammer, Allen L. (See Shuster and Grammer.)
- Granberg, Albert J., San Francisco, Cal. Counting attachment for faucets. No. 1,243,400; Oct. 16; v. 243; p. 682.
- Granberg, John G., Beckemeyer, Ill. Condenser for redistilling spliter. No. 1,221,045; Apr. 3; v. 237; p. 15.
- Granbois, Arthur G. (See Overholt and Granbois.)
- Grand Detour Plow Company. (See Caughy, Robert C., assignor.)

- Grand, George, Brooklyn, N. Y. Humidor. No. 1,220,415; Mar. 27; v. 236; p. 986.
- Grand Rapids Hand Screw Co. (See Fox, Bert M., assignor.)
- Grand Rapids Refrigerator Co. (See Leonard, Charles H., assignor.)
- Grand Rapids Refrigerator Company. (See Leonard, Harry C., assignor.)
- Grand Rapids School Equipment Co. (See Ferney, Daniel F., assignor.)
- Grand Rapids School Equipment Co. (See Mentzer, Walter Y., assignor.)
- Grand Rapids Show Case Company. (See Anderson, Charles H., assignor.)
- Grand Rapids Show Case Company. (See Vanderveld, Anthony, assignor.)
- Grand Rapids Show Case Company. (See Williams, Henry, assignor.)
- Grand Rapids Show Case Company. (See Young, Samuel D., assignor.)
- Grand Rapids Trunk Company. (See Cummings, Thomas G., assignor.)
- Grand Rapids Underwear Company. (See Lippitt, Elihu, assignor.)
- Grandchamp, Napoleon, assignor of one-half to C. Myers, Raymond, Wash. Operating mechanism for bolt headers and shears. No. 1,241,728; Oct. 2; v. 243; p. 84.
- Grandinetti, Joseph V., Patchogue, N. Y. Extension-tower. No. 1,222,200; Apr. 10; v. 237; p. 451.
- Grange, François. (See Borel and Grange.)
- Granger, Frank B., New York, N. Y. Dress-form. No. 1,217,936; Mar. 6; v. 236; p. 18.
- Granger, Frank B., assignor to Hall-Borchert Dress Form Company, New York, N. Y. Dress-form. No. 1,228,908; June 5; v. 239; p. 181.
- Granger, Joseph P. C., assignor of one-third to G. Schielke, Milwaukee, Wis. Film-winding device for cameras. No. 1,215,142; Feb. 6; v. 235; p. 229.
- Granlund, Oscar E., Springfield, Mass. Machine for forming hollow containers for confectionery. No. 1,236,837; Aug. 14; v. 241; p. 455.
- Grannatt, William B., Los Angeles, Cal. Street-cleaning cart. No. 1,237,506; Aug. 21; v. 241; p. 706.
- Granquist, Raphael A., West Duluth, Minn. Electric-light controller. No. 1,250,302; Dec. 18; v. 245; p. 614.
- Granston, Charles, Watkins, N. Y. Radiator-shield. No. 1,218,547; Mar. 6; v. 236; p. 227.
- Granstrom, John A., Everett, Mass. Antiskidding tire attachment for wheels. No. 1,234,538; July 24; v. 240; p. 1088.
- Grant, Alexander D., San Jose, Cal. Sanitary toilet-bowl. No. 1,211,137; Jan. 2; v. 234; p. 259.
- Grant, Andrew S. (See Lake, John L., assignor.)
- Grant, Arthur D., Hudson, N. Y. Rotary valve mechanism for engines. No. 1,246,912; Nov. 20; v. 244; p. 595.
- Grant, David A., Philadelphia, Pa. Range-defacing means for time-fuses. No. 1,238,661; Aug. 28; v. 241; p. 1110.
- Grant, Edward C., Ottawa, Ontario, Canada. Watch strap. No. 1,222,391; Apr. 10; v. 237; p. 518.
- Grant, Eugene L., Napa, Cal. Stock and poultry watering device. No. 1,214,455; Jan. 30; v. 234; p. 1536.
- Grant, Frank, Westfield, Mass. Device for toilet use. No. 1,223,783; Apr. 24; v. 237; p. 1077.
- Grant, Frank, Westfield, Mass. Shaving-stick holder. No. 1,242,175; Oct. 9; v. 243; p. 265.
- Grant, Franklin F., San Diego, Cal. Safety-clutch for starting explosive-engines. No. 1,239,265; Sept. 4; v. 242; p. 175.
- Grant, James E. (See Price and Grant.)
- Grant, James W., et al. (See Walter, Ira D., assignor.)
- Grant, John. (See Campbell and Grant.) (Reissue.)
- Grant, John, Chicago, Ill. Moving-picture machine. No. 1,225,801; May 15; v. 238; p. 676.
- Grant, Joseph H., Huron, S. D. Bridle-bit. No. 1,241,729; Oct. 2; v. 243; p. 85.
- Grant, Ora U. (See Rose, Bradstrum, and Grant.)
- Grant, Patrick. (See Cummings, Thomas G., assignor.)
- Grant, Peter. (See Day, Windeler, and Grant.) (Reissue.)
- Grant, Richard S., Akron, Ohio. License-tag holder. No. 1,218,761; Mar. 13; v. 236; p. 341.
- Grant, Robert, Chicago, and F. C. Mairson, Forest Park, Ill. Printing-machine. No. 1,235,135; July 31; v. 240; p. 1306.
- Grant, Robert A. (See Goodrich, John K., assignor.)
- Grant, Robert L., Grady, Okla. Boll-weevil catcher. No. 1,232,679; July 10; v. 240; p. 412.
- Grant, Roswell D., assignor to The Pyle-National Company, Chicago, Ill. Rock-shaft. No. 1,231,015; June 26; v. 239; p. 1009.
- Grant, Taylor B., Brooklyn, N. Y., assignor to the City of New York. Aerial ladder for fire service. No. 1,214,774; Feb. 6; v. 235; p. 101.
- Grant, William G. S., Hamilton, Ontario, Canada, and L. H. Flanders, Jenkintown, assignors to The Electric Storage Battery Company, Philadelphia, Pa. Negative-pole plate for storage batteries and making the same. No. 1,228,551; June 5; v. 239; p. 60.
- Grantham, David L. (See Ruzicka and Grantham.)
- Grantland, John W., Cincinnati, Ohio. Injector. No. 1,225,617; May 8; v. 238; p. 572.
- Granville, Bernard, New York, N. Y. Pneumatic tire. No. 1,213,096; Jan. 16; v. 234; p. 1005.
- Granville, Bernard, New York, N. Y. Pipe-cover. No. 1,220,328; Mar. 27; v. 236; p. 956.
- Granville, R. Gordon. (See Ouellet, Timothée, assignor.)
- Gränz, Hermann W., assignor to Schubert & Salzer Maschinenfabrik, Aktiengesellschaft, Chemnitz, Germany. Seamless stocking or sock and making same. No. 1,228,664; June 5; v. 239; p. 98.
- Granz, Josef, Plauen, Germany. Elastic driving-belt. No. 1,214,911; Feb. 6; v. 235; p. 150.
- Granz, Josef, Plauen, Germany. Device for forming shuttles. No. 1,239,177; Sept. 4; v. 242; p. 146.
- Granz, Josef, assignor to Vogtländische Maschinen-Fabrik, Plauen, Germany. Embroidering-machine. No. 1,211,933; Jan. 9; v. 234; p. 571.
- Graper, Fred E., et al. (See Quade, Paul R., assignor.)
- Graphic Duplicator Co. (See Gottschalk, Frederick, assignor.)
- Graphoscope Company, The. (See Jenkins, Charles F., assignor.)
- Grass, Henry A., Chicago, Ill. Musical toy. No. 1,225,733; May 8; v. 238; p. 609.
- Grasselli Chemical Company, The. (See Bowman, Frederick J., assignor.)
- Grasselli Chemical Company, The. (See Ziesing, Richard, assignor.)
- Gratton, John, San Francisco, Cal. Paving-roller. No. 1,237,634; Aug. 21; v. 241; p. 747.
- Grauheding, Oskar, Düsseldorf, assignor to Rheinische Metallwaaren und Maschinenfabrik, Düsseldorf-Derendorf, Germany. Telescope-sight for airships and flying-machines. No. 1,217,169; Feb. 27; v. 235; p. 1074.
- Graumann, John, Granite, Okla. Cover-preventing shield. No. 1,227,261; May 22; v. 238; p. 1208.
- Gravel, Alphonse, New Orleans, La. Portable house. No. 1,228,317; May 29; v. 238; p. 1587.
- Gravel, Omer. (See Laflamme and Gravel.)
- Gravell, James H., Philadelphia, Pa. Preparing metal for painting. No. 1,211,138; Jan. 2; v. 234; p. 259.
- Gravell, James H., Philadelphia, Pa. Chemical primer for zinc. No. 1,221,046; Apr. 3; v. 237; p. 15.
- Gravell, James H., Philadelphia, Pa. Cleaning metals and preventing them from corroding. No. 1,221,441; Apr. 3; v. 237; p. 155.
- Gravell, James H., Philadelphia, Pa. Cleaning metals and preventing them from corroding. No. 1,221,442; Apr. 3; v. 237; p. 155.
- Graves, Albert M. (See Ridley, Alfred R., assignor.)
- Graves, Churchill G., Roanoke, assignor to The Seward Trunk and Bag Company, Petersburg, Va. Wardrobe-trunk. No. 1,212,139; Jan. 9; v. 234; p. 639.
- Graves, Churchill G., Roanoke, assignor to The Seward Trunk and Bag Company, Petersburg, Va. Wardrobe-trunk. (Reissue.) No. 1,4346; Aug. 28; v. 241; p. 1130.
- Graves, Edward A. (See Cauthorn and Graves.)
- Graves, Fredrick P., assignor of forty-five one-hundredths to N. P. Cleveland, Bicknell, Ind. Nut-lock. No. 1,213,097; Jan. 16; v. 234; p. 1006.
- Graves, Henry D., Grant Park, Ill. Mail-box. No. 1,237,199; Aug. 14; v. 241; p. 567.
- Graves, James N., San Saba, Tex. Boll-weevil destroyer. No. 1,239,684; Sept. 11; v. 242; p. 337.
- Graves, John, Milwaukee, Wis. Mixing-valve. No. 1,215,928; Feb. 13; v. 235; p. 545.
- Graves, John, assignor of seventy-five one-hundredths to J. H. Rapel and twenty-five one-hundredths to J. E. Matteson, Milwaukee, Wis. Rotary engine. No. 1,227,780; May 29; v. 238; p. 1409.
- Graves, John D., Colton, Cal. Electrical incubator. No. 1,213,353; Jan. 23; v. 234; p. 1130.
- Graves, Mark S., North Yakima, Wash. Switch-frog. No. 1,239,001; Sept. 4; v. 242; p. 90.
- Graves, Oriel M., Ephrata, Wash. Refrigerator. No. 1,223,964; Apr. 24; v. 237; p. 1138.
- Graves, Robert W., Elizabeth, N. J. Tobacco-pipe. No. 1,239,589; Sept. 11; v. 242; p. 306.
- Gravity Carburetor Company, The. (See Costa, Anthony, assignor.)
- Gravunder, Fred W., Bloomer, Wis. Insect gathering and killing machine. No. 1,245,706; Nov. 6; v. 244; p. 171.
- Gray, Addison F., Warren, Ohio. Curtain-pole. No. 1,239,905; Sept. 11; v. 242; p. 408.
- Gray, Alanson M., Elizabeth, N. J. Apparatus for molding wax and other materials. No. 1,225,707; May 8; v. 238; p. 601.
- Gray, Albert E., Goodland, Ind. Sand-rim for automobiles. No. 1,240,337; Sept. 18; v. 242; p. 579.
- Gray-Aldrich Company. (See Aldrich, Chester S., assignor.)
- Gray, Asa, Baileytown, Tenn. Implement. No. 1,219,726; Mar. 20; v. 236; p. 706.
- Gray Automatic Copy Indicator Co. (See Gray, William E., assignor.)
- Gray, Benjamin F., Blocton, Ala. Boll-weevil exterminator. No. 1,226,505; May 15; v. 238; p. 914.
- Gray, Carl C., Wapakoneta, Ohio. Mud-hook clamp. No. 1,240,703; Sept. 18; v. 242; p. 690.
- Gray, Charles F., Sierra Madre, Cal., assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,235,793; Aug. 7; v. 241; p. 86.
- Gray, Charles N., Yankton, S. D. Apparatus for carbureting air. No. 1,239,098; Sept. 4; v. 242; p. 121.

Alphabetical list of patentees—Continued.

- Gray, Chester E., Eureka, Cal. Manufacturing products from milk and cream. No. 1,219,291; Mar. 13; v. 236; p. 524.
- Gray, Christian H., Essex, England. Press for vulcanizing-molds. No. 1,234,330; July 24; v. 240; p. 1019.
- Gray, Clarence F. A., Montreal, Quebec, Canada. Vehicle-tire. No. 1,213,476; Jan. 23; v. 234; p. 1172.
- Gray Door Dresser Company. (See Gray, William C., assignor.)
- Gray, Earl C., St. Charles, Mo. Shock-absorber. No. 1,216,226; Feb. 13; v. 235; p. 652.
- Gray, Edward R., Youngstown, Ohio. Door hinge and check. No. 1,236,289; Aug. 7; v. 241; p. 244.
- Gray Electric Company. (See Tiffany, George S., assignor.)
- Gray, Erlo H. and L. C., Rochester, N. Y. Copy-holder. No. 1,222,282; Apr. 10; v. 237; p. 480.
- Gray, Gardner B., Pittsburgh, Pa. Power-actuated system of switch and signal control. No. 1,236,705; Aug. 14; v. 241; p. 413.
- Gray, Gardner B., assignor, by mesne assignments, to Automatic Train Control & Signal Company, Pittsburgh, Pa. Electric switch. No. 1,217,440; Feb. 27; v. 235; p. 1168.
- Gray, George C. G., Bryn Mawr, Pa. Boiler combustion-controlling apparatus. No. 1,234,154; July 24; v. 240; p. 963.
- Gray, George F., Schenectady, N. Y., assignor to General Electric Company. Apparatus for sealing evacuated vessels. No. 1,237,200; Aug. 14; v. 241; p. 567.
- Gray, Gertrude F., Pawnee, Okla. Laundry device. No. 1,234,658; July 24; v. 240; p. 1124.
- Gray, Halla F., assignor to The Bon Aurora Manufacturing and Machine Company, Denver, Colo. Carpet washing and rinsing machine. No. 1,240,799; Sept. 18; v. 242; p. 721.
- Gray, Harry A., Milwaukee, Wis. Cigar and cigarette holder. No. 1,243,153; Oct. 16; v. 243; p. 610.
- Gray, Harry L., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-film cartridge. No. 1,225,951; May 15; v. 238; p. 726.
- Gray, Harry M., Millvale, assignor of one-half to C. Allors, Pittsburgh, Pa. Bottle-closure. No. 1,223,867; Apr. 24; v. 237; p. 1105.
- Gray, Harry M., Los Angeles, assignor of one-half to M. A. Neal and one-half to E. W. Jones, San Francisco, Cal. Recovering soap. No. 1,242,435; Oct. 9; v. 243; p. 327.
- Gray-Hawley Manufacturing Company. (See Desmond, John, assignor.)
- Gray, James A., assignor to American Can Company, San Francisco, Cal. Preparing can ends for hermetic sealing to can-bodies. No. 1,223,784; Apr. 24; v. 237; p. 1077.
- Gray, James H. (See Horan and Gray.)
- Gray, James H., New York, N. Y. Making furnace-hearthths. No. 1,220,839; Mar. 27; v. 236; p. 1133.
- Gray, James T. (See White, Frederick, assignor.)
- Gray, John H., Worcester, Mass. Nail. No. 1,225,708; May 8; v. 238; p. 601.
- Gray, John J., Jr., Rockdale, Tenn. Producing ferrophosphorus from nelsonite. No. 1,216,306; Feb. 20; v. 235; p. 732.
- Gray, John J., Jr., Rockdale, Tenn. Making ferrophosphorus. No. 1,220,416; Mar. 27; v. 236; p. 986.
- Gray, Joseph P., Pittsburg, Kans. Cylinder-cock. No. 1,225,238; May 8; v. 238; p. 441.
- Gray, Leon C. (See Gray, Erlo H. and L. C.)
- Gray, Max and B. Harris, New York, N. Y. Vehicle-tire. No. 1,222,283; Apr. 10; v. 237; p. 480.
- Gray Motor Company. (See Desmond, John E., assignor.)
- Gray, Niel, Jr. (See Wadhams, Darius T., assignor.)
- Gray Piano Company. (See Salfisberg, Leroy L., assignor.)
- Gray, W. E., *et al.* (See Underwood, Charles W., assignor.)
- Gray, Wallace M., Cincinnati, Ohio. Internal-combustion engine. No. 1,220,095; Mar. 20; v. 236; p. 835.
- Gray, William, Brookline, Mass. Vehicle-lamp. No. 1,235,564; Aug. 7; v. 241; p. 11.
- Gray, William C., Oak Park, assignor to Gray Door Dresser Company, Chicago, Ill. Folding dressing-table and the like. No. 1,245,582; Nov. 6; v. 244; p. 133.
- Gray, William E., Boise, Idaho. Copy-holding device. No. 1,244,323; Oct. 23; v. 243; p. 999.
- Gray, William E., Chicago, Ill., assignor to Gray Automatic Copy Indicator Co., Boise, Idaho. Copy-holder attachment for type-writers. No. 1,244,322; Oct. 23; v. 243; p. 998.
- Gray, William E., assignor to Gray Automatic Copy Indicator Co., Boise, Idaho. Copy-holder attachment for type-writers. No. 1,248,315; Nov. 27; v. 244; p. 1028.
- Gray, William G., St. Johns, New Brunswick, Canada. Arch-readjuster. No. 1,226,327; May 15; v. 238; p. 858.
- Gray, William P. (See Bates, Burpee O., assignor.)
- Gray, William P., Campbellton, New Brunswick, Canada. Brush. No. 1,227,047; May 22; v. 238; p. 1135.
- Graydon, Thomas H., Cincinnati, Ohio. Arch-supporting shoe. No. 1,236,424; Aug. 14; v. 241; p. 319.
- Graydon, Thomas H., Cincinnati, Ohio. Shoe-sole-cutting machine. No. 1,236,425; Aug. 14; v. 241; p. 319.
- Grayson, Stewart W., Sharpsburg, Md. Attachment for front axles of motor-vehicles. No. 1,249,069; Dec. 4; v. 245; p. 186.
- Grazier, Durbin H., Johnstown, Pa. Cutter. No. 1,228,318; May 29; v. 238; p. 1588.
- Greacen, Robert F. (See Strongson, Herman, assignor.)
- Green, Alexandre M., New York, N. Y. Garment-supporter. No. 1,230,889; June 26; v. 239; p. 965.
- Green, Alexandre M., Mount Vernon, N. Y. Collar-supporter. No. 1,231,595; July 3; v. 240; p. 19.
- Green, Frederick A. (See Watt and Green.)
- Great Lakes Dredge & Dock Company, The. (See Wilhelm, Jesse E., assignor.)
- Great Lakes Dredge and Dock Company, The. (See Wilhelm and Bonfield, assignors.)
- Great Northern Paper Company. (See Cram and Parsons, assignors.)
- Great Northern Paper Company. (See Pope, Charles E., assignor.)
- Great Northern Paper Company. (See Schenck, Garret, assignor.)
- Great Western Cutting and Welding Company. (See Stettner, Ludwig, assignor.)
- Great Western Manufacturing Co. (See Lonn, Edward J., assignor.)
- Greaves, Abilio M. da Silva, Cambridge, Mass. Thermo-electric fire-alarm system. No. 1,251,366; Dec. 25; v. 245; p. 979.
- Grebiszewski, Bronislaus, *et al.* (See Pludowski, Aleksander, assignor.)
- Greco, Anthony, San Jose, Cal. Device and method of canning beans. No. 1,235,680; Aug. 7; v. 241; p. 48.
- Greeley, Alton H. (See Bevington, John E., assignor.)
- Greeley, Earl R. (See Butler and Greeley.)
- Greeley, George T., Chicago, Ill. Resilient shock-absorbing hub unit. No. 1,241,109; Sept. 25; v. 242; p. 850.
- Greeley, James T., Nashua, N. H., assignor to Greeley Laboratories, Incorporated, New York, N. Y. Hypodermic syringe. No. 1,236,426; Aug. 14; v. 241; p. 319.
- Greeley, John H., Kewanee, Ill. Escapement for clocks and watches. No. 1,232,285; July 3; v. 240; p. 251.
- Greeley Laboratories. (See Greeley, James T., assignor.)
- Green, Armin H., Los Angeles, Cal. Camp-stove. No. 1,212,162; Jan. 9; v. 234; p. 648.
- Green, Arthur B., Portland, Me., assignor to S. D. Warren & Company. Folding-machine. No. 1,233,222; July 10; v. 240; p. 589.
- Green, Benjamin H., *et al.* (See Evans, Harry N., Sr., assignor.)
- Green, Carl R., Dayton, Ohio. Piston. No. 1,228,909; June 5; v. 239; p. 182.
- Green, Charles. (See Foster, William J., assignor.)
- Green, Charles, Jr., Kings Cross, London, England. Fastener. No. 1,237,201; Aug. 14; v. 241; p. 568.
- Green, Charles H., Chicago, Ill., assignor to E. J. Wood-ison Company, Detroit, Mich. Portable sand-sifting machine. No. 1,230,477; June 19; v. 239; p. 789.
- Green, Clarence A. (See Twitchell, Myron A., assignor.)
- Green, Dallas F., Fort Wayne, Ind. Eyeglass-mounting. No. 1,233,570; July 17; v. 240; p. 740.
- Green, Daniel F., Portland, Oreg. Cover-remover. No. 1,250,448; Dec. 18; v. 245; p. 658.
- Green, Douglas B., Anna, Ill., assignor of one-third to E. Sanders and one-third to L. Sanders, San Diego, Cal. Reducing-valve. No. 1,216,985; Feb. 20; v. 235; p. 966.
- Green, Edward L., Ashfield, York, England. Lamp for road-vehicles. No. 1,241,368; Sept. 25; v. 242; p. 933.
- Green, Edwin N., Syracuse, N. Y. Electrotape-block-trimming machine. No. 1,217,297; Feb. 27; v. 235; p. 1116.
- Green Engineering Company. (See Poppenhusen, Herman A., assignor.)
- Green Engineering Company. (See Poppenhusen and Strong, assignors.)
- Green Engineering Company. (See Strong, Arthur P., assignor.)
- Green, Fred W. (See Dilley, Arzeno J., assignor.) (Re-issue.)
- Green Fuel Economizer Company. (See Hagen, Harold F., assignor.)
- Green, Furney F., Coalgate, Okla. Tire. No. 1,247,262; Nov. 20; v. 244; p. 695.
- Green, George S., and A. W. Oswald, Muskegon, Mich. Gear-testing machine. No. 1,222,392; Apr. 10; v. 237; p. 518.
- Green, Herbert P., assignor of one-half to W. A. Collings, Kansas City, Mo. Tattling-shuttle. No. 1,241,369; Sept. 25; v. 242; p. 934.
- Green, James E., Jr. (See Coleman, Kyster B., assignor.)
- Green, Jesse S., Franklin, Pa. Vehicle-tire. No. 1,218,548; Mar. 6; v. 236; p. 227.
- Green, John C., Hackettstown, N. J. Dynamometer transmission device. No. 1,222,393; Apr. 10; v. 237; p. 519.
- Green, John C., Burwell, Nebr. Rotary tooth-brush. No. 1,224,740; May 1; v. 238; p. 223.
- Green, John R., Oklahoma, Okla. Liquid-fuel or oil burner. No. 1,232,026; July 3; v. 240; p. 165.
- Green, Joseph B., Seattle, Wash., assignor to G. A. Henkel, Arlington, Oreg. Concentrator. No. 1,216,798; Feb. 20; v. 235; p. 904.

- Green, Joseph E., North Manchester, Ind. Silo. No. 1,220,978; Mar. 27; v. 236; p. 1177.
- Green, Leonidas B., Kansas City, Mo. Device for use in filling syringes and the like from receptacles. No. 1,219,937; Mar. 20; v. 236; p. 780.
- Green, Louis, London, England. Reinforced-concrete railway-tie. No. 1,214,298; Jan. 30; v. 234; p. 1485.
- Green, Lynford O., Capay, Cal. Music-leaf turner. No. 1,212,050; Jan. 9; v. 234; p. 609.
- Green, Margaret E. (See Teves, Frederick W., assignor.)
- Green, Richard D. (See Sunderland and Green.)
- Green, Roy E., Peacham, Vt. Index-card drawer for filing-cabinets. No. 1,215,646; Feb. 13; v. 235; p. 446.
- Green, Roy E., Peacham, Vt. Range-finder for cameras. No. 1,215,647; Feb. 13; v. 235; p. 446.
- Green, Rufus E. (See Williston, Benjamin F., assignor.)
- Green, Walter H., et al. (See Wilsey, Irven H., assignor.)
- Green, Walter R., Chicago, Ill. Tire and luggage carrier. No. 1,234,155; July 24; v. 240; p. 963.
- Green, Walter R., Chicago, Ill. Tire-carrier. No. 1,250,161; Dec. 18; v. 245; p. 571.
- Green, William M., New Haven, Wyo. Fore-wheel drive for motor-vehicles. No. 1,215,143; Feb. 6; v. 235; p. 230.
- Greenamyer, Clarence V. (See McMillan and Greenamyer.)
- Greenamyer, Clarence V., Los Angeles, assignor of one-half to J. McMillan, Glendale, Cal. Tool-grinding attachment for lathes. No. 1,221,797; Apr. 3; v. 237; p. 276.
- Greenamyer, Clarence V., Los Angeles, assignor of one-half to J. McMillan, Glendale, Cal. Grinding attachment for lathes. No. 1,221,798; Apr. 3; v. 237; p. 276.
- Greenawalt, John E., Denver, Colo. Charge-car. No. 1,212,629; Jan. 16; v. 234; p. 844.
- Greenawalt, Samuel G., Shawinigan Falls, Quebec, Canada. Stoker. No. 1,225,802; May 15; v. 238; p. 676.
- Greenawalt, William E., Denver, Colo. Electrolytic apparatus. No. 1,214,775; Feb. 6; v. 235; p. 101.
- Greenawalt, William E., Denver, Colo. Metallurgical process. No. 1,218,177; Mar. 6; v. 236; p. 100.
- Greenawalt, William E., Denver, Colo. Extracting metals from their ores. No. 1,218,996; Mar. 13; v. 236; p. 425.
- Greenawalt, William E., Denver, Colo. Flotation apparatus. No. 1,250,303; Dec. 18; v. 245; p. 614.
- Greenberg, Abraham, Pittsburgh, Pa. Submarine vessel. No. 1,230,702; June 19; v. 239; p. 864.
- Greenberg, Charles B., Waterbury, Conn. Watch. No. 1,219,292; Mar. 13; v. 236; p. 524.
- Greenberg, Henry, New York, N. Y. Hat-pin guard. No. 1,235,310; July 31; v. 240; p. 1359.
- Greenberg, Jacob, et al. (See Mallove, Morris, assignor.)
- Greenberg, Louis, et al. (See McEwen, Willard M., assignor.)
- Greenberg, Louis, et al. (See Olson, Gustaf, assignor.)
- Greenberg, Max I., Great Neck, N. Y. Protective lining for garments. No. 1,227,428; May 22; v. 238; p. 1259.
- Greenblatt, B. R. (See Alexander, H. Walter, assignor.)
- Greenburg, Joseph, Roxbury, Mass. Ventilator. No. 1,229,066; June 5; v. 239; p. 232.
- Greene, Alvin P., Watertown, N. Y. Paper-feeding machine. No. 1,213,626; Jan. 23; v. 234; p. 1224.
- Greene, Christian A. E. A., London, England. Electrically-operated tabulating and like machine. No. 1,214,540; Feb. 6; v. 235; p. 21.
- Greene, Claude R., assignor of one-fourth to J. R. Kellogg, Rosston, Okla. Gate. No. 1,248,647; Dec. 4; v. 245; p. 65.
- Greene, Clayton F., assignor of one-half to J. Sandhoff, Lead City, S. D. Dust-collector. No. 1,249,070; Dec. 4; v. 245; p. 186.
- Greene, Edgeworth, Montclair, N. J. Bottle. No. 1,211,934; Jan. 9; v. 234; p. 571.
- Greene, Edgeworth, Upper Montclair, N. J. Bottle. (Re-issue.) No. 14,382; Oct. 23; v. 243; p. 1040.
- Greene, Frank M., Minneapolis, Minn. Engineer's cab-signal. No. 1,229,178; June 5; v. 239; p. 270.
- Greene, Frank R., Chicago, Ill. Compass-clock. No. 1,217,937; Mar. 6; v. 236; p. 18.
- Greene, Harold D., Britt, Iowa. Non-skid tire-grip. No. 1,241,621; Oct. 2; v. 243; p. 50.
- Greene, Holdridge G., assignor to Triumph Trap Co. Inc., Oneida, N. Y. Pivot-lock for trap-jaws. No. 1,238,510; Aug. 28; v. 241; p. 1062.
- Greene, John S., assignor to Commercial Camera Company, Rochester, N. Y. Photographic developing apparatus. No. 1,216,440; Feb. 20; v. 235; p. 780.
- Greene, John S., Rochester, N. Y., assignor to Commercial Camera Co., Providence, R. I. Photographic developing apparatus. No. 1,225,803; May 15; v. 238; p. 676.
- Greene, John S., Rochester, N. Y., assignor to Commercial Camera Company, Providence, R. I. Photographic developing apparatus. No. 1,229,945; June 12; v. 239; p. 576.
- Greene, Oscar V., Cleveland, Ohio. Photographic apparatus. No. 1,236,928; Aug. 14; v. 241; p. 484.
- Greene, Richard A., Brooklyn, N. Y., assignor to Jabez Burns & Sons, Apparatus for cooling coffee. No. 1,218,997; Mar. 13; v. 236; p. 426.
- Greene, Robert E., Memphis, Tenn. Delivery-vehicle body. No. 1,240,704; Sept. 18; v. 242; p. 691.
- Greene, Thomas R., Texarkana, Ark. Gate-support. No. 1,243,931; Oct. 23; v. 243; p. 881.
- Greene, Vorville W. (See Blair and Greene.)
- Greenerd, Robert C., Winthrop, assignor of one-half to J. W. Schaeffer, Boston, Mass. Tire-protector. No. 1,251,014; Dec. 25; v. 245; p. 876.
- Greenewald, Eugene L., Washington, D. C. Double-walled vacuum-insulated vessel. No. 1,237,327; Aug. 21; v. 241; p. 649.
- Greenfield, Edwin J., Wichita, Kans. Implanting artificial denture-roots. No. 1,216,633; Feb. 20; v. 235; p. 863.
- Greenfield, Edwin T., Kiamasha, N. Y. Metal-working. No. 1,217,748; Feb. 27; v. 235; p. 1275.
- Greenfield, Edwin T., Kiamasha, N. Y. Stapling-machine. No. 1,217,749; Feb. 27; v. 235; p. 1276.
- Greenfield, Edwin T., Kiamasha, N. Y. Rolling of flat strips. No. 1,217,750; Feb. 27; v. 235; p. 1277.
- Greenfield Paper Bottle Company. (See Lang, John G. V., assignor.)
- Greenfield, Roy C., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Feeder. No. 1,214,776; Feb. 6; v. 235; p. 102.
- Greenfield Tap and Die Corporation. (See Bascom, Rollin S., assignor.)
- Greenfield Tap and Die Corporation. (See Cook, Wallace A., assignor.)
- Greenhaw, Thomas P., Hobart, Okla. Nutcracker. No. 1,242,436; Oct. 9; v. 243; p. 347.
- Greenland, Lloyd D. (See Doughman and Greenland.)
- Greenlaw, Rupert H., Lawrence, Mass. Telephone-recorder. No. 1,210,463; Jan. 2; v. 234; p. 29.
- Greenleaf, Clayborne G., West Richfield, Ohio. Antiskid device for wheels. No. 1,214,777; Feb. 6; v. 235; p. 102.
- Greenleaf, Robert P., assignor to F. Billings, Cleveland, Ohio. Rail-clamp. No. 1,222,621; Apr. 17; v. 237; p. 641.
- Greenleaf, William B., and E. S. Roe, assignors to The Markham Air Ride Company, Plymouth, Mich. Air-gun. No. 1,250,304; Dec. 18; v. 245; p. 614.
- Greenlee, Charles A. (See Faber, Daniel B., assignor.)
- Greenoe, George P., Atlanta, Ga. Packing. No. 1,246,089; Nov. 13; v. 244; p. 313.
- Greenpoint Metallic Bed Company. (See Frank, Louis, assignor.)
- Greenpoint Metallic Bed Company. (See Frank and Cooper, assignors.)
- Greensburg Swing Company. (See McKnight, Charles J., assignor.)
- Greenstreet, Milfred L., and G. C. Moulder, assignors of one-third to A. G. Hoppock, Lebanon, Mo. Permutation switch-lock. No. 1,217,751; Feb. 27; v. 235; p. 1277.
- Greenwald, Arthur E., Chippewa Falls, Wis. Fishing-rod attachment. No. 1,251,221; Dec. 25; v. 245; p. 936.
- Greenway, John C., Warren, Ariz., and H. W. Morse, Los Angeles, Cal. Hydrometallurgy of copper. No. 1,224,458; May 1; v. 238; p. 124.
- Greenway, Robert B., San Bernardino, Cal. Car-brake-operating mechanism. No. 1,248,480; Dec. 4; v. 245; p. 15.
- Greenwell, Henry. (See Pellegrin, Alfred L., assignor.)
- Greenwood, Edward, Phillips, Me. Toothpick-machine. No. 1,220,096; Mar. 20; v. 236; p. 836.
- Greenwood, Franklin, Indianapolis, Ind. Silo. No. 1,237,202; Aug. 14; v. 241; p. 568.
- Greenwood, Harry. (See Bongiovanni, Antonio, assignor.)
- Greer, Albert L. (See Wiloth and Greer.)
- Greer, Charles L., Washington, D. C. Gearing. No. 1,238,284; Aug. 28; v. 241; p. 989.
- Greer, Erwin, assignor to Maxfer Truck and Tractor Company, Chicago, Ill. Means for converting automobiles into trucks. No. 1,244,727; Oct. 30; v. 243; p. 1159.
- Greer, Frank. (See Brandel and Greer.)
- Greer, James, East Orange, N. J. Inflammable liquid and producing same. No. 1,236,557; Aug. 14; v. 241; p. 363.
- Greer, James A., San Francisco, Cal., assignor to The Rail Joint Company, New York, N. Y. Rail-joint. No. 1,232,286; July 3; v. 240; p. 251.
- Greer, Jesse W., Fort Worth, Tex., assignor, by mesne assignments, to Massachusetts Machinery Company. Candy-wrapping machine. No. 1,218,854; Mar. 13; v. 236; p. 377.
- Greer, John H. (See Stephens, Lee, assignor.)
- Greer, Medorem W., New York, N. Y. Master-last. No. 1,226,071; May 15; v. 238; p. 768.
- Greer, Medorem W., New York, N. Y., assignor, by mesne assignments, to Ever-Last Cotton Shoe Corporation. Shoe construction. No. 1,230,478; June 19; v. 239; p. 789.
- Greer, Squire R., et al. (See Peters, Frank E., assignor.)
- Greig, Anthony N., Hamilton, Ontario, Canada. Trouser band and fastener. No. 1,232,531; July 10; v. 240; p. 364.
- Gregg, Arthur M., Victoria, British Columbia, Canada. Game. No. 1,232,287; July 3; v. 240; p. 251.
- Gregg Company, The. (See Gregg, Otis D., assignor.)
- Gregg Company, The. (See Gregg, Louis T., assignor.)
- Gregg Company, The. (See Gregg, William C. and L. D., assignors.)
- Gregg, Herbert, Kew, Melbourne, Victoria, Australia. Box for the transportation of eggs. No. 1,238,662; Aug. 28; v. 241; p. 1110.

Alphabetical list of patentees—Continued.

- Gregg, Hermit E., Portland, Oreg. Suspenders. No. 1,221,722; Apr. 3; v. 237; p. 250.
- Gregg, Louis D. (See Gregg, William C. and L. D.)
- Gregg, Louis D., assignor to The Gregg Company, Limited, Hackensack, N. J. Car construction. No. 1,247,822; Nov. 27; v. 244; p. 890.
- Gregg, Norris B., et al. (See Sabin, William W., assignor.)
- Gregg, Otis T., assignor to The Gregg Company, Limited, Hackensack, N. J. Car-frame construction. No. 1,228,552; June 5; v. 239; p. 60.
- Gregg, Otis T., assignor to The Gregg Company, Limited, Hackensack, N. J. Grapple. No. 1,231,596; July 3; v. 240; p. 19.
- Gregg, Otis T., Hackensack, N. J., assignor to The Gregg Company, Limited, Newburgh, N. Y. Self-centering roller-bearing. No. 1,246,589; Nov. 13; v. 244; p. 464.
- Gregg, William C. and L. D., assignors to The Gregg Company, Limited, Hackensack, N. J. Railway-tie and fastener. No. 1,230,703; June 19; v. 239; p. 864.
- Gregory, Charles E., Stamping Ground, Ky. Convertible wagon-body. No. 1,247,823; Nov. 27; v. 244; p. 891.
- Gregory, Charles E., New Rochelle, N. Y., assignor to Standard Pail & Package Co., Inc. Process and machine for making containers. No. 1,210,464; Jan. 2; v. 234; p. 30.
- Gregory, Frank J., New York, N. Y. Device for locating concealed conductors. No. 1,212,763; Jan. 16; v. 234; p. 893.
- Gregory, Harrison R., St. Louis, Mo. Air-deflector. No. 1,221,533; Apr. 3; v. 237; p. 187.
- Gregory, Hugh H., Barnes, England. Trailer for road-vehicles. No. 1,237,507; Aug. 21; v. 241; p. 706.
- Gregory, James T., Chicago, Ill. Gas-jet. No. 1,220,979; Mar. 27; v. 236; p. 1177.
- Gregory, John T., Chapman Quarries, Pa. Spring system for vehicles. No. 1,232,680; July 10; v. 240; p. 412.
- Gregory, Walter W., and P. D. Maire, Lakewood; said Maire assignor to W. R. White, Cleveland, Ohio. Fish-line bob or float. No. 1,240,043; Sept. 11; v. 242; p. 448.
- Gregson, John, Gary, Ind. Oil stove and burner. No. 1,248,104; Nov. 27; v. 244; p. 968.
- Gregur, Franck S., West Brownsville, Pa. Insulator. No. 1,240,844; Sept. 25; v. 242; p. 769.
- Greif, Louis M., West Park, Ohio. Permutation-lock. No. 1,227,535; May 22; v. 238; p. 1296.
- Greif, Louis M., Cleveland, Ohio. Combination-lock for automobile ignition-switches. No. 1,238,134; Aug. 28; v. 241; p. 939.
- Greimann, George H., Garner, Iowa. Excavator. No. 1,217,752; Feb. 27; v. 235; p. 1277.
- Greiner, Charles M., and H. D. Jones, assignors to The Kelly-Springfield Road Roller Company, Springfield, Ohio. Scarifying attachment for road-engines. No. 1,226,506; May 15; v. 238; p. 914.
- Greiner, Emil C., Globe, Ariz. Oven. No. 1,215,144; Feb. 6; v. 235; p. 230.
- Greiner, Emil C., Globe, Ariz. Oven. No. 1,238,663; Aug. 28; v. 241; p. 1110.
- Greisch, George. (See Boss, Addy A., assignor.)
- Greising, Charles M., St. Paul, Minn., assignor, by mesne assignments, to International Harvester Company of New Jersey. Machine for treating fiber. No. 1,225,804; May 15; v. 238; p. 677.
- Greising, Charles M., and J. Dahlin, St. Paul, Minn., assignors, by mesne assignments, to International Harvester Company of New Jersey. Guard for balling-machines. No. 1,237,635; Aug. 21; v. 241; p. 747.
- Greick, Bertha H. (See Greick, William P. M., assignor.)
- Greick, William P. M., Evanston, Ill., assignor to B. H. Greick, Lincoln, Nebr. Self-preserving acid milk product and making the same. No. 1,230,479; June 19; v. 239; p. 790.
- Grenagle, James B., Catonsville, Md. Alloy and producing the same. No. 1,248,648; Dec. 4; v. 245; p. 65.
- Grenell, Charles E., Daytona, Fla. Camera-shutter. No. 1,231,878; July 3; v. 240; p. 115.
- Grenelle, Edward A., Rochester, N. Y. Projectile-handing machine. No. 1,233,343; July 17; v. 240; p. 662.
- Grenke, Joseph A., Royal Oak, Mich. Land-marker. No. 1,232,288; July 3; v. 240; p. 252.
- Gresson, James H., Hudson, Wis. Wheel-hub. No. 1,227,429; May 22; v. 238; p. 1259.
- Grether, Frederick. (See Long, John R., assignor.)
- Gretsky, Frank, Coal Center, Pa. Aeroplane-motor. No. 1,245,902; Nov. 6; v. 244; p. 230.
- Greuter, Charles R., Saugus, Mass., assignor, by mesne assignments, to John T. Pratt, New York, N. Y. Guiding for elastic-fluid engines. No. 1,212,764; Jan. 16; v. 234; p. 893.
- Greve, John E. W., assignor to Wandererwerke, vormals Winkhofer & Jaenicke, A. G., Schonau, bei Chemnitz, Germany. Printing mechanism for computing-machines. No. 1,247,670; Nov. 27; v. 244; p. 844.
- Greve, John E. W., Chemnitz, Germany, assignor to Wandererwerke, vormals Winkhofer & Jaenicke, A. G., Schonau, bei Chemnitz, Germany. Calculating-machine. No. 1,247,954; Nov. 27; v. 244; p. 927.
- Greve, Louis W., Cleveland, Ohio, assignor to The Cleveland Pneumatic Tool Company. Fluid-operated tool. No. 1,241,962; Oct. 2; v. 243; p. 157.
- Greve, Louis W., Cleveland, Ohio, assignor, by mesne assignments, to The Cleveland Rock Drill Company. Fluid-operated drill. No. 1,248,481; Dec. 4; v. 245; p. 15.
- Greven, Derk, Henning, Minn. Strainer for liquids. No. 1,216,112; Feb. 13; v. 235; p. 612.
- Grey, Charles R., Thermopolis, Wyo. Developing-tray. No. 1,239,438; Sept. 4; v. 242; p. 229.
- Grey Iron Casting Company. (See Coventry, William A., assignor.)
- Gribbel, John, Wyncote, and C. Atherton, Philadelphia, Pa.; said Atherton assignor to said Gribbel. Meter. No. 1,232,027; July 3; v. 240; p. 166.
- Gribble, Lelah L., Mineral Point, Wis. Blackboard. No. 1,237,636; Aug. 21; v. 241; p. 747.
- Grider, Clarence L., assignor of one-tenth to F. E. Grider, Ely, Nev. Shock-absorber for automobiles. No. 1,241,622; Oct. 2; v. 243; p. 50.
- Grider, Frank E. (See Grider, Clarence L., assignor.)
- Grieb, Alfred, Elizabeth, N. J., assignor to The Singer Manufacturing Company. Seam for sewed articles. No. 1,218,762; Mar. 13; v. 236; p. 341.
- Grieb, Alfred, Elizabeth, N. J., assignor to The Singer Manufacturing Company. Overseaming sewing-machine. No. 1,243,159; Oct. 16; v. 243; p. 610.
- Grieb, Alfred, Elizabeth, N. J., assignor to The Singer Manufacturing Company. Feeding mechanism for sewing-machines. No. 1,243,160; Oct. 16; v. 243; p. 610.
- Griel, Howard B. and P. E. Shee, assignors to No-Touch Straw Holder Co., Lancaster, Pa. Straw-dispensing device. No. 1,211,139; Jan. 2; v. 234; p. 260.
- Griepke, Augustus W. H., New York, N. Y., assignor to Turbo Company. Air and gas compressor. No. 1,225,805; May 15; v. 238; p. 677.
- Grier, John A., Hutchinson, Kans. Combined street-indicator and advertising device. No. 1,223,270; Apr. 17; v. 237; p. 861.
- Grièrre, Jean C., Padua, Italy. Manufacture of dry crystals of sugar and other crystalline substances. No. 1,228,910; June 5; v. 239; p. 182.
- Grièrre, Jean C., Padua, Italy. Apparatus for the manufacture of dry crystals of sugar and other crystalline substances. No. 1,230,890; June 26; v. 239; p. 965.
- Gries, Frederick W., Watervliet, N. Y. Collapsible tube. No. 1,227,430; May 22; v. 238; p. 1260.
- Griesel, John C., Pottsville, Pa. Amusement device. No. 1,220,980; Mar. 27; v. 236; p. 1177.
- Grieve, David, Needham Heights, Mass. Antislipping device. No. 1,227,431; May 22; v. 238; p. 1260.
- Griffeth, Francis E., Athens, Ga. Harness attachment. No. 1,212,765; Jan. 16; v. 234; p. 893.
- Griffeth, Francis E., Athens, Ga. Antrattler. No. 1,238,135; Aug. 28; v. 241; p. 940.
- Griffeth, Francis E., Athens, Ga. Vehicle-step support. No. 1,238,136; Aug. 28; v. 241; p. 940.
- Griffice, George D., Big Spring, Tex. Cultivator. No. 1,237,508; Aug. 21; v. 241; p. 706.
- Griffin, Aquila H. and G., assignors of one-tenth to J. W. Steward, Paterson, N. J. Driving-belt. No. 1,228,429; June 5; v. 239; p. 19.
- Griffin, Aquila H. and G., assignors of one-tenth to J. W. Steward, Paterson, N. J. Driving-belt. No. 1,229,441; June 12; v. 239; p. 408.
- Griffin, Cecil M., Pittsburgh, Pa. Tube-cleaning tool. No. 1,248,847; Dec. 4; v. 245; p. 125.
- Griffin, Charles O., Newbern, N. C. Toy ball. No. 1,236,290; Aug. 7; v. 241; p. 244.
- Griffin, Charles W., assignor to Taylor, Stiles & Company, Riegelsville, N. J. Adjustable bearing. No. 1,239,266; Sept. 4; v. 242; p. 176.
- Griffin, Edyth M., Fayette, Ohio. Child's waist and supporter. No. 1,248,316; Nov. 27; v. 244; p. 1028.
- Griffin, Francis T., Uim, Mont. Mandolin bow or pick. No. 1,241,370; Sept. 25; v. 242; p. 934.
- Griffin, Fred A. (See Dodge, Fred, assignor.)
- Griffin, Frederick. (See Gaynor and Griffin.)
- Griffin, George. (See Griffin, Aquila H. and G.)
- Griffin, George G., Indianapolis, Ind. Vehicle-wheel. No. 1,244,193; Oct. 23; v. 243; p. 958.
- Griffin, Henry W., New York, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. No. 1,211,140; Jan. 2; v. 234; p. 260.
- Griffin, Henry W., New York, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. No. 1,211,141; Jan. 2; v. 234; p. 261.
- Griffin, Henry W., New York, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. No. 1,211,142; Jan. 2; v. 234; p. 261.
- Griffin, Henry W., New York, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. No. 1,215,522; Feb. 13; v. 235; p. 397.
- Griffin, Henry W., New York, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Controlling apparatus for railway switches and signals. (Reissue.) No. 14,302; May 15; v. 238; p. 951.
- Griffin, James E., New Britain, Conn. Level. No. 1,239,590; Sept. 11; v. 242; p. 306.
- Griffin, James H., Clay Center, Kans. Ladle. No. 1,228,665; June 5; v. 239; p. 98.
- Griffin, James H., New York, N. Y. Roof construction. No. 1,250,855; Dec. 18; v. 245; p. 779.
- Griffin, James S. (See McKeever and Griffin.)

- Griffin, James T., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric soldering-iron. No. 1,250,856; Dec. 18; v. 245; p. 779.
- Griffin, John B. (See Smart and Griffin.)
- Griffin, John B., assignor to Landers, Frary & Clark, New Britain, Conn. Percolator-pump. (Reissue.) No. 1,244,244; Jan. 9; v. 234; p. 650.
- Griffin, John J., Sparks, Ga. Rail appliance. No. 1,249,744; Dec. 11; v. 245; p. 411.
- Griffin, Lee H., *et al.* (See Bell, Marvin, assignor.)
- Griffin, Leroy C., and P. A. Jones, Cairo, Ga. Auto attachment. No. 1,222,860; Apr. 17; v. 237; p. 723.
- Griffin, Lewis B., Candor, N. Y. Flame-regulator for incubators. No. 1,225,239; May 8; v. 238; p. 441.
- Griffin, Lorne A., Elkhart, Ind., assignor to American Steam Conveyor Corporation, Chicago, Ill. Ash tank and settler. No. 1,211,310; Jan. 2; v. 234; p. 321.
- Griffin, Richard L., Jacksonville, Fla. Filtering and straining rack. No. 1,233,050; July 10; v. 240; p. 532.
- Griffin, Sidney S., Tacoma, Wash. Sled. No. 1,238,285; Aug. 28; v. 241; p. 990.
- Griffin, Stanton D., and E. R. Kirk, Memphis, Tenn. Rotary internal-combustion engine. No. 1,221,171; Apr. 3; v. 237; p. 60.
- Griffin, William H., New Boston, Tex. Dispensing-counter. No. 1,249,617; Dec. 11; v. 245; p. 374.
- Griffs, Maitland G. (See Kalbfleisch, Victor R., assignor.)
- Griffith, Allie, Cleveland, Ohio. Hose-coupling. No. 1,229,067; June 5; v. 239; p. 232.
- Griffith, Benjamin M., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Fire-extinguisher. No. 1,243,733; Oct. 23; v. 243; p. 818.
- Griffith, Edward T., Indianapolis, Ind. Sectional cushion-tire. No. 1,241,845; Oct. 2; v. 243; p. 120.
- Griffith, George E., and E. F. Gallagher, Detroit, Mich. Cigarette-box. No. 1,240,563; Sept. 18; v. 242; p. 648.
- Griffith, James S. (See Carter, Taylor, and Griffith.)
- Griffith, Moses, assignor of forty-nine and one-half one-hundredths to P. Griffith, Florence, Colo. Drill-rigging. No. 1,251,220; Dec. 25; v. 245; p. 956.
- Griffith, Philip. (See Griffith, Moses, assignor.)
- Griffith, R. A., *et al.* (See Kelley, Benjamin F., assignor.)
- Griffith, R. B. (See McGuire, Robert F., assignor.)
- Griffith, Richard, assignor to The Miller Rubber Company, Akron, Ohio. Tire-stitching machine. No. 1,212,207; Jan. 16; v. 234; p. 691.
- Griffith, Richard T., assignor to The Miller Rubber Company, Akron, Ohio. Tire-forming apparatus. No. 1,215,648; Feb. 13; v. 235; p. 446.
- Griffith, Richard T., assignor to The Miller Rubber Company, Akron, Ohio. Rubber glove. No. 1,225,027; May 8; v. 238; p. 371.
- Griffith, Richard T., assignor to The Miller Rubber Company, Akron, Ohio. Mold for the manufacture of rubber gloves. No. 1,225,028; May 8; v. 238; p. 371.
- Griffith, Thomas E., Winston-Salem, N. C. Garment-supporter. No. 1,244,194; Oct. 23; v. 243; p. 958.
- Griffith, Thomas J., Los Angeles, Cal. Noiseless railway-crossing. No. 1,236,291; Aug. 7; v. 241; p. 244.
- Griffith, Victor, San Francisco, Cal. Internal-combustion pump. No. 1,240,967; Sept. 25; v. 242; p. 806.
- Griffith, William H. (See Cary, James H., assignor.)
- Griffith, William J. (See Miller, Lewis, assignor.)
- Griffith, Winfred S., assignor to Heald Machine Company, Worcester, Mass. Magnetic chuck. No. 1,232,532; July 10; v. 240; p. 364.
- Griffiths, Richard T., assignor to The Miller Rubber Company, Akron, Ohio. Playing-ball and making the same. No. 1,240,438; Sept. 18; v. 242; p. 610.
- Griffiths, Richard T., Akron, Ohio, assignor to The Miller Rubber Company. Manufacturing playing-balls. No. 1,240,439; Sept. 18; v. 242; p. 610.
- Griffiths, William U., Philadelphia, Pa. Flushing apparatus for water-closets. No. 1,240,197; Sept. 18; v. 242; p. 534.
- Griffiths, William U., Philadelphia, Pa. Valve mechanism. No. 1,244,195; Oct. 23; v. 243; p. 959.
- Grigg, David H., Cloverdale, British Columbia, Canada. Spring-wheel. No. 1,212,208; Jan. 16; v. 234; p. 692.
- Griggs, George A., Normal, Ill. Collapsible support for churns. No. 1,236,292; Aug. 7; v. 241; p. 245.
- Griggs, Percy M., Fort Bridger, Wyo. Theater-chair attachment. No. 1,250,857; Dec. 18; v. 245; p. 780.
- Griggs, Stephen A. (See Byron, Orra E., assignor.)
- Griggs, Theodore G., Chatham, and A. A. Dittmar, El Mora, N. J. Lighting apparatus. No. 1,219,389; Mar. 13; v. 236; p. 559.
- Grigioni, James L. (See Hobsbawm and Grigioni.)
- Grigsby, Earl J. (See McKinley and Grigsby.)
- Grigsby, George L., Waitsburg, Wash. Trace-loop. No. 1,218,080; Mar. 6; v. 236; p. 66.
- Grigsby, Hugh S., Richmond, Va. Hygrostatic controller. No. 1,219,390; Mar. 13; v. 236; p. 559.
- Grigsby, Hugh S., Richmond, Va. Humidifier. No. 1,219,391; Mar. 13; v. 236; p. 559.
- Grikscheit, William, Detroit, Mich., assignor of two-thirds to R. D. Reid, Montreal, Quebec, and one-third to R. G. Reid, St. Johns, Newfoundland, Canada. Carbureter apparatus for internal-combustion engines. No. 1,240,440; Sept. 18; vol. 242; p. 610.
- Grikscheit, William, Detroit, Mich. Priming device for internal-combustion engines. No. 1,248,649; Dec. 4; v. 245; p. 65.
- Griley, Theodore D. (See Unkle and Griley.)
- Grimani, Laura, Hove, England. Portable cooking apparatus. No. 1,236,162; Aug. 7; v. 241; p. 203.
- Grimes, Claude, assignor of one-half to E. A. Albright, Chicago, Ill. Switch-lock. No. 1,232,792; July 10; v. 240; p. 450.
- Grimes, Claude, assignor of one-half to E. A. Albright, Chicago, Ill. Electric switch. No. 1,232,793; July 10; v. 240; p. 450.
- Grimes, Franklin C., Idaho Falls, Idaho. Recovering potassium salts from organic carbonaceous materials. No. 1,227,781; May 29; v. 238; p. 1409.
- Grimes, Lester A., Orange, N. J. Tamper-switch. No. 1,232,289; July 3; v. 240; p. 252.
- Grimes, Thaddeus S., assignor to Lummus Cotton Gin Company, Columbus, Ga. Cowl. No. 1,222,394; Apr. 10; v. 237; p. 519.
- Grimes, Thaddeus S., assignor to Lummus Cotton Gin Company, Columbus, Ga. Shaft-coupling. No. 1,227,432; May 22; v. 238; p. 1260.
- Grimes, Thaddeus S., assignor to Lummus Cotton Gin Company, Columbus, Ga. Cotton-gin. No. 1,241,466; Sept. 25; v. 242; p. 962.
- Grimes, Thaddeus S., assignor to Lummus Cotton Gin Company, Columbus, Ga. Huller-gin. No. 1,244,196; Oct. 23; v. 243; p. 959.
- Grimm, Ben, *et al.* (See Mathews, John S., assignor.)
- Grimm, Jesse, Gifford, Ind. Shade and curtain hanger. No. 1,242,345; Oct. 9; v. 243; p. 318.
- Grimm, Harry A., Youngstown, Ohio. Shearing-machine. No. 1,250,858; Dec. 18; v. 245; p. 780.
- Grimme, Natalls & Co., Commanditgesellschaft Auf Actien. (See Schaller, Carl, assignor.)
- Grimmett, Samuel H., and F. Goette, Caldwell, Idaho. Internal-combustion engine. No. 1,250,859; Dec. 18; v. 245; p. 780.
- Grimshaw, Ralph R., and L. R. Jones, Findlay, Ohio. Electric heater. No. 1,220,508; Mar. 27; v. 236; p. 1018.
- Grindall, William H., Altoona, Pa. Power transmission. No. 1,213,354; Jan. 23; v. 234; p. 1130.
- Grindall, William H., Altoona, Pa. Scale-relieving gear. No. 1,213,355; Jan. 23; v. 234; p. 1131.
- Grinden Art Metal Company. (See Parish, Frank J., assignor.)
- Grinden Art Metal Company. (See Parish, Harold F., assignor.)
- Grinden, William J., Brooklyn, N. Y. Belt-clamp. No. 1,231,521; June 26; v. 239; p. 1175.
- Grinder, Theodore, Perry, Wis. Milk-sheet protector. No. 1,241,371; Sept. 25; v. 242; p. 934.
- Grindle, Aubrey J., assignor to Combustion Economy Corporation, Chicago, Ill. Apparatus for burning powdered coal. No. 1,228,769; June 5; v. 239; p. 135.
- Grindle, Charles W., assignor of forty-nine one-hundredths to T. Flammer, Seattle, Wash. Screw-propeller. No. 1,247,263; Nov. 20; v. 244; p. 695.
- Grindle, John L. (See Kelsay, Le Roy W., assignor.)
- Griner, Arthur J., Boston, Mass. Disinfecting apparatus. No. 1,222,756; Apr. 17; v. 237; p. 688.
- Grinnell, Russell, Providence, R. I., assignor to General Fire Extinguisher Company, New York, N. Y. Dry-pipe valve. No. 1,241,209; Sept. 25; v. 242; p. 882.
- Grinnell Washing Machine Company. (See Lewis, George W., assignor.)
- Grip Nut Company. (See Carlson, Arthur W., assignor.)
- Grip Nut Company. (See Flint, Louis J., assignor.)
- Grip Nut Company. (See Hibbard, Edward R., assignor.)
- Grip Nut Company. (See Ridlon, George H., assignor.)
- Grip Nut Company. (See Sharp, William E., assignor.)
- Gripp, S. H., *et al.* (See Bretz, George W., assignor.)
- Griscom-Russell Company, The. (See Carpenter, Raymond, assignor.)
- Grisinger, David, Racine, assignor of one-half to W. G. Bolus, Corliss, Wis. Rail-bracket. No. 1,220,222; Mar. 27; v. 236; p. 917.
- Grissinger, Elwood, Buffalo, N. Y., assignor to American Telephone and Telegraph Company. Telephone repeating system. No. 1,219,727; Mar. 20; v. 236; p. 706.
- Griswold, Charles O., Portland, Oreg. Sternway steering mechanism for ships. No. 1,235,681; Aug. 7; v. 241; p. 48.
- Griswold, Edgar J., New York, N. Y. Phonograph. No. 1,211,573; Jan. 9; v. 234; p. 443.
- Griswold, G. W. (See Stubbs, Robert A., assignor.)
- Griswold, John L., Dodge Center, Minn. Pig-guard. No. 1,211,839; Jan. 9; v. 234; p. 536.
- Griswold, Lester E., assignor to Macbeth-Evans Glass Company, Pittsburgh, Pa. Lighting-fixture. No. 1,224,162; May 1; v. 238; p. 16.
- Griswold Manufacturing Company. (See Cooper, Harry S., assignor.)
- Griswold, Marius E., Burlington, Iowa. Juvenile vehicle. No. 1,234,753; July 31; v. 240; p. 1188.
- Griswold, Marius E., Chicago, Ill. Vehicle-axle. No. 1,237,509; Aug. 21; v. 241; p. 707.
- Griswold, Marius E., Chicago, Ill. Vehicle-axle. No. 1,243,401; Oct. 16; v. 243; p. 682.
- Griswold, Thomas, Jr. (See Barstow and Griswold.)
- Grob, Armin. (See Engi, Grob, and Straub.)
- Grob, Armin. (See Engi, Grob, and Würigler.)

Alphabetical list of patentees—Continued.

- Grob, Arnold, Cleveland, Ohio, assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Producing pressed-metal articles. No. 1,248,482; Dec. 4; v. 245; p. 16.
- Grob, Martin H., Sharpsburg borough, Pa. Milk-bottle holder. No. 1,244,050; Oct. 23; v. 243; p. 917.
- Grobe, James B. (See Wicklund and Grobe.)
- Grocoff, William R., Emporium, Pa. Pipe-bowl cleaner. No. 1,249,618; Dec. 11; v. 245; p. 374.
- Grocott, Richard T., Longport, Stoke-upon-Trent, England. Operating mechanism for pumps. No. 1,232,533; July 10; v. 240; p. 364.
- Grodaes, Andrew B., Antelope, Saskatchewan, Canada. Well-curbings. No. 1,232,534; July 10; v. 240; p. 365.
- Grode, Frank P., Kansas City, Mo. Pool-ball collector. No. 1,222,284; Apr. 10; v. 237; p. 480.
- Grode, Frank P., Kansas City, Mo. Cue-holder. No. 1,240,705; Sept. 18; vol. 242; p. 691.
- Grode, Frank P., Kansas City, Mo. Billiard-table construction. No. 1,243,161; Oct. 16; v. 243; p. 611.
- Grodsky, Aaron, Cincinnati, Ohio. Tobacco-stemming machine. No. 1,225,240; May 8; v. 238; p. 442.
- Groebli, Joseph A., New York, N. Y. Fabric shifting and tensioning mechanism for embroidering-machines. No. 1,210,793; Jan. 2; v. 234; p. 143.
- Groebli, Joseph A., New York, N. Y. Embroidering-machine. No. 1,228,666; June 5; v. 239; p. 98.
- Groebli, Joseph A., New York, N. Y. Embroidering-machine. No. 1,247,264; Nov. 20; v. 244; p. 695.
- Groendyke, Cornelius E., Sheldon, Iowa. Gate-operator. No. 1,231,252; June 26; v. 239; p. 1088.
- Groene, William F. (See Le Blond and Groene.)
- Groene, William F., and H. C. Pierle, assignors to R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Machine-tool. No. 1,248,317; Nov. 27; v. 244; p. 1029.
- Groetzinger, Albert G., Pocatello, Idaho. Envelop. No. 1,216,113; Feb. 13; v. 235; p. 612.
- Groff, Clarence B., Camden, N. J. Ratchet-drill. No. 1,233,344; July 17; v. 240; p. 662.
- Groff, Franklin L., Plainfield, and W. N. Bunce, assignors to Mersereau Metal Bed Company, Jersey City, N. J. Wardrobe attachment for beds. No. 1,218,396; Mar. 6; v. 236; p. 177.
- Grohn, Henry P. (See Kenney and Grohn.)
- Gromann, Carl F., New York, N. Y. Automobile-signal. No. 1,243,510; Oct. 16; v. 243; p. 716.
- Gromann, Carl F., New York, N. Y. Finger-bowl. No. 1,249,745; Dec. 11; v. 245; p. 411.
- Gronager, Holger. (See Ducas, George M., assignor.)
- Gronald Kjellin Company, The. (See Funck, Jakob, assignor.)
- Groninger, Warren J., Port Royal, Pa. Valve for internal-combustion engines. No. 1,247,824; Nov. 27; v. 244; p. 891.
- Gronke, Barney, Chicago, Ill., assignor to International Harvester Company of New Jersey. Snapping-roll for corn huskers, pickers, and the like. No. 1,225,806; May 15; v. 238; p. 677.
- Gronke, Barney, Chicago, Ill., assignor to International Harvester Company of New Jersey. Corn-husker. No. 1,225,807; May 15; v. 238; p. 678.
- Grönkvists Mekaniska Verkstads Aktiebolag. (See Rennerfelt, Ture G., assignor.)
- Grönkwist, Oscar R., Dayton, Ohio. Lubricating system and pump therefor. No. 1,237,029; Aug. 14; v. 241; p. 517.
- Grons, Edward H., Lowell, Mass. Cam-shaft-bearing remover. No. 1,241,846; Oct. 2; v. 243; p. 120.
- Groom, John R., Franklin, Pa. Valve. No. 1,238,664; Aug. 28; v. 241; p. 1111.
- Grooms, Denver, Marshall, Mich. Transmission-gearing. No. 1,222,395; Apr. 10; v. 237; p. 520.
- Gropengieser, Fred J., Onida, S. D. Pen-holder. No. 1,240,706; Sept. 18; vol. 242; p. 691.
- Gropper & Sons, M. (See Arden, Thomas, assignor.)
- Gros, Gustave G. (See Kebbell, John F., assignor.)
- Groshans, John H., Baltimore, Md. Means for heating cylinders of explosive-engines. No. 1,211,935; Jan. 9; v. 234; p. 572.
- Groshell, Oscar E., Salt Lake City, Utah. Auxiliary indicating device for cash-registers. No. 1,217,753; Feb. 27; v. 235; p. 1278.
- Grosjean, J. E. (See Montgomery, Leon F., assignor.)
- Gross, Andrew. (See De Lukacevics, Charles, assignor.)
- Gross, Edward G., Columbus, Ga. Sewer-trap cap. No. 1,245,903; Nov. 6; v. 244; p. 231.
- Gross, Edward G., Columbus, Ga. Car-jacking frame. No. 1,251,015; Dec. 25; v. 245; p. 876.
- Gross, Howard H., Jr. (See Batting and Gross.)
- Gross, Jacob, Brooklyn, N. Y. Making button-shoe uppers. No. 1,216,441; Feb. 20; v. 235; p. 781.
- Gross, John J., Toledo, Ohio. Gage for gasoline-tanks. No. 1,242,176; Oct. 9; v. 243; p. 266.
- Gross, Margaret E., Perkinsville, and J. L. Howland, Buffalo, N. Y. Belt-fastener. No. 1,245,099; Oct. 30; v. 243; p. 1270.
- Gross, Mary V., Los Angeles, Cal. Silencer for flushing-tanks. No. 1,235,517; July 31; v. 240; p. 1421.
- Gross, Milo D. (See Hunt, Benjamin H., assignor.)
- Gross, Milo D., Walla Walla, Wash. Support. No. 1,238,286; Aug. 28; v. 241; p. 990.
- Gross, Norman, Hartford, Conn. Garment. No. 1,213,181; Jan. 23; v. 234; p. 1068.
- Gross, Paul, Charlottenburg, assignor to Vollbrot Patent-Verwertungs-Gesellschaft, m. b. H., Berlin, Germany. Manufacture of whole-grain bread. No. 1,213,627; Jan. 23; v. 234; p. 1224.
- Gross, Rosa, New York, N. Y. Corset-cover. No. 1,237,894; Aug. 21; v. 241; p. 828.
- Gross, William, assignor to Safety Lock Company, Minneapolis, Minn. Lock. No. 1,222,545; Apr. 10; v. 237; p. 573.
- Gross, William H., Sr. (See Tracy, William F., assignor.)
- Gross, William P., Sebewaing, Mich. Separating device. No. 1,242,683; Oct. 9; v. 243; p. 427.
- Grossarth, Albert A., Chicago, Ill. Drive-gear for deep-well pumps. No. 1,226,967; May 22; v. 238; p. 1108.
- Grosser, Erwin H. (See Grosser, Frank and E. H.)
- Grosser, Frank and E. H., Egeland, N. D. Railway-spike. No. 1,236,293; Aug. 7; v. 241; p. 245.
- Grossmann, Edwin, Thrall, Tex. Combined rule and square. No. 1,237,328; Aug. 21; v. 241; p. 649.
- Grossman, Joseph, New York, N. Y. Combined salt and pepper shaker. No. 1,215,018; Feb. 6; v. 235; p. 190.
- Grosstephan, A. Rudolph, administrator. (See Sträng, Henrik C.)
- Grosvenor, William M., Ridgewood, N. J., and L. A. Beecher, Newtonville, Mass. Manufacturing collars. No. 1,214,299; Jan. 30; v. 234; p. 1486.
- Grosvenor, William M., Ridgewood, N. J. Moving-picture film. No. 1,226,655; May 22; v. 238; p. 1000.
- Grosvenor, William M., Ridgewood, N. J. Obtaining alkali-earth metals. No. 1,239,178; Sept. 4; v. 242; p. 146.
- Grosvenor, William M., Ridgewood, N. J., assignor to Perkins Glue Company. Apparatus for ascertaining the properties of fluids. No. 1,236,706; Aug. 14; v. 241; p. 413.
- Grotenhuis, William J., Chicago, Ill. Bed-frame corner-block. No. 1,213,098; Jan. 16; v. 234; p. 1006.
- Groth, Lorentz A., London, England. Method of and apparatus for electrotoning. No. 1,222,861; Apr. 17; v. 237; p. 728.
- Groth, Otto E., Milwaukee, Wis. Wrapper. No. 1,213,477; Jan. 23; v. 234; p. 1172.
- Grothey, Ivan W., Boston, Mass., assignor to Scott & Williams, Inc., Camden, N. J. Stop-motion device. No. 1,211,143; Jan. 2; v. 234; p. 262.
- Grouke, James A., Jr. (See Jacobucci, Raphael, assignor.)
- Grouss, John, assignor of one-half to C. E. Pryor, Elitzabeth, N. J. Light-cut-out switch for fire-houses. No. 1,218,855; Mar. 13; v. 236; p. 377.
- Grouvelle, Philippe J., E. H. Arqueembourg, and L. J. Joret, Paris, France. System of multiple pumps. No. 1,214,300; Jan. 30; v. 234; p. 1486.
- Grove, Edward H., assignor of one-eighth to A. Marks, one-eighth to R. A. Kern, one-eighth to J. F. Kreamer, and one-eighth to W. F. Sullivan, Washington, D. C. Electrical means for locating concealed pipes. No. 1,241,963; Oct. 2; v. 243; p. 157.
- Grove, Edwin W. (See Crumbaugh, George P., assignor.)
- Grove, Frank H., Columbiana, Ohio. Web-tensioning device for tire-making machines. No. 1,218,763; Mar. 13; v. 236; p. 342.
- Grove, Jacob R., York, Pa. Electric chain-welding machine. No. 1,218,397; Mar. 6; v. 236; p. 177.
- Grover, Albert D., New York, N. Y., assignor to Autosales Gum & Chocolate Company. Coin-testing attachment for coin-controlled mechanisms. No. 1,217,170; Feb. 27; v. 235; p. 1074.
- Grover, Albert D., New York, N. Y., assignor to Autosales Gum & Chocolate Company. Coin-testing mechanism for coin-controlled machines. No. 1,225,808; May 15; v. 238; p. 678.
- Grover, Albert D., Malden, Mass., assignor to Autosales Gum and Chocolate Company, New York, N. Y. Vending-machine. No. 1,235,311; July 31; v. 240; p. 1359.
- Grover, Albert D., New York, N. Y., assignor to Autosales Gum and Chocolate Company. Slot-closing mechanism for coin-controlled vending-machines. No. 1,243,511; Oct. 16; v. 243; p. 716.
- Grover, Albert D., New York, N. Y., assignor to Autosales Gum and Chocolate Company. Coin-controlled machine. No. 1,243,512; Oct. 16; v. 243; p. 717.
- Grover, Alva J., Council Bluffs, Iowa. Washing-machine. No. 1,211,436; Jan. 9; v. 234; p. 397.
- Grover, Emmanuel C., Mathis, Tex. Insect-destroyer. No. 1,249,071; Dec. 4; v. 245; p. 186.
- Grover, Fred L. (See Jones and Grover.)
- Grover, Fred L. (See Jones, Grover, and Silsbee.)
- Grover, Fred L. (See Penneck, Jones, and Grover.)
- Groves, Albert, Acton, London, England. Variable-speed gearing. No. 1,221,047; Apr. 3; v. 237; p. 15.
- Groves, George E. (See Downs, David G., assignor.)
- Groves, Joseph L., Los Angeles, Cal. Automatic water-fed device for steam-generators, oil-burners, &c. No. 1,239,267; Sept. 4; v. 242; p. 176.
- Grow, Cyrus F., Alhambra, and J. M. Courtney, Los Angeles, Cal. Multiple-cylinder-grinding apparatus. No. 1,241,964; Oct. 2; v. 243; p. 157.
- Grubb, Reuben, Philadelphia, Pa. Tire. No. 1,243,513; Oct. 16; v. 243; p. 718.
- Grubbs, Albert M., Portland, Oreg. Means for securing the head of a carpet-sweeper to a handle. No. 1,219,293; Mar. 13; v. 236; p. 524.

- Grubbs, Albert M., Portland, Oreg. Animal-trap. No. 1,223,271; Apr. 17; v. 237; p. 861.
- Grube, George F., Evanston, Ill. Trunk. No. 1,217,298; Feb. 27; v. 235; p. 1117.
- Grube, John H., Los Angeles, Cal. Inner tire. No. 1,217,754; Feb. 27; v. 235; p. 1278.
- Grube, William J., Delaware, Ohio. Artificial bait. No. 1,247,955; Nov. 27; v. 244; p. 928.
- Gruben, Edward J., Royston, Tex. Planter. No. 1,212,477; Jan. 16; v. 234; p. 788.
- Gruben, Edward J., Royston, Tex. Row-binder. No. 1,239,685; Sept. 11; v. 242; p. 337.
- Gruber, Archibald B., San Bernardino, Cal. Door-latch. No. 1,211,437; Jan. 9; v. 234; p. 398.
- Gruber, Archibald B., San Bernardino, Cal. Latch. No. 1,215,649; Feb. 13; v. 235; p. 446.
- Gruber, Edward, assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Uniting articles to sheet-metal supports. No. 1,249,948; Dec. 11; v. 245; p. 472.
- Gruber, Lawrence C., Chicago, Ill. Paper-press. No. 1,246,913; Nov. 20; v. 244; p. 596.
- Gruber, Morris M., and P. Lauter, New York, N. Y. Water-massage vibrator. No. 1,210,929; Jan. 2; v. 234; p. 190.
- Grubman, Leo, Brooklyn, assignor of one-half to J. Stein, New York, N. Y. Copying device. No. 1,212,938; Jan. 16; v. 234; p. 950.
- Grudski, Andro, and S. Sztonniewsky, Horning, Pa. Lock. No. 1,228,109; May 29; v. 238; p. 1522.
- Grudzienski, Joseph, Toledo, Ohio. Life-saving suit. No. 1,220,625; Mar. 27; v. 236; p. 1060.
- Gruenewald, Eugene, Moline, Ill., assignor to Moline Automobile Co. Lubricator. No. 1,215,650; Feb. 13; v. 235; p. 447.
- Gruenhagen, Henry. (See Webster, Ernest C., assignor.)
- Gruenwald, Teodor, Prague, Austria-Hungary. Fluid-jet blower for the cleaning of the tubes of water-tube boilers. No. 1,217,755; Feb. 27; v. 235; p. 1279.
- Gruetzner, Fritz P., New Rochelle, assignor to De La Vergne Machine Company, New York, N. Y. Horizontal engine. No. 1,246,262; Nov. 13; v. 244; p. 365.
- Gruhier, Charles C., Bellevue, Ky. Stationery. No. 1,229,442; June 12; v. 239; p. 408.
- Gruman, Horace F., Jackson, assignor of one-third to D. R. Cohen and one-third to S. R. Cohen, Detroit, Mich. Tape-affixing machine. No. 1,238,511; Aug. 28; v. 241; p. 1063.
- Gruman, Horace F., Jackson, assignor of one-third to D. R. Cohen and one-third to S. R. Cohen, Detroit, Mich. Tension device for yarn. No. 1,243,162; Oct. 16; v. 243; p. 611.
- Grummons, Varr M., Fort Wayne, Ind. Electric vehicle-signal switch. No. 1,245,707; Nov. 6; v. 244; p. 171.
- Grünberg, Josef, Berlin, Germany. Symmetroscope. No. 1,232,290; July 3; v. 240; p. 52.
- Grundman, Rudolf, Chicago, Ill. Hopper-scale. No. 1,222,202; Apr. 10; v. 237; p. 451.
- Grundy, Alfred A. (See Schwartz and Grundy.)
- Grundy, Alfred S. W., and A. F. Marten, San Francisco, Cal. Producing ornamental designs. No. 1,220,097; Mar. 20; v. 236; p. 836.
- Grundy, John R., Philadelphia, Pa. Flexible coupling. No. 1,216,227; Feb. 13; v. 235; p. 652.
- Gruzic, Frédéric, New York, N. Y., and M. L. Van Huele, Elizabeth, N. J. Adjustable bat-lining. No. 1,225,618; May 8; v. 238; p. 572.
- Grünstein, Nathan, Frankfurt-on-the-Main, Germany. Making aldol. No. 1,234,156; July 24; v. 240; p. 964.
- Grunwald, Albert C., assignor to Precision Metal Workers, Chicago, Ill. Grease-cup. No. 1,227,130; May 22; v. 238; p. 1164.
- Grunwald, Albert C., assignor to Precision Metal Workers, Chicago, Ill. Grease-cup. No. 1,227,131; May 22; v. 238; p. 1165.
- Grunz, Ernest, assignor to D. E. Rogers, Wheeling, W. Va. Vulcanizer. No. 1,245,583; Nov. 6; v. 244; p. 134.
- Grupe, Grover R., Elizabeth, N. J. Illuminating-burner for Christmas trees. No. 1,225,241; May 8; v. 238; p. 442.
- Grupe, Otto H., Siloam Springs, Ark. Two-speed direct-drive transmission mechanism. No. 1,234,462; July 24; v. 240; p. 1063.
- Grupe, William F., Jersey City, N. J., assignor, by mesne assignments, to Van-O-Phone Company, New York, N. Y. Motor mechanism and speed-regulating means therefor. No. 1,243,285; Oct. 16; v. 243; p. 649.
- Grupp, Otto. (See Stephany and Grupp.)
- Grushlaw, Samuel. (See Schwartz and Grundy, assignors.)
- Grushus, Edwin A., Midas, Nev. Cinch-grip. No. 1,216,228; Feb. 13; v. 235; p. 652.
- Grushus, Edwin A., Midas, Nev. Carbureter. No. 1,248,105; Nov. 27; v. 244; p. 968.
- Gruss, Lucien R., assignor to Pneumatic Cushion Co., San Francisco, Cal. Air-spring. No. 1,216,254; Feb. 13; v. 235; p. 661.
- Gruss, Otto H., Jamaica, assignor to Multi Speed Shutter Company, Morris Park, N. Y. Flash-light attachment. No. 1,251,222; Dec. 25; v. 245; p. 936.
- Gruzta, Bernard, assignor of one-half to E. A. Nimmer, Milwaukee, Wis. Automobile-signal. No. 1,250,162; Dec. 18; v. 245; p. 571.
- Gruver, Joseph H., assignor to The Simplex Protective Stopper Co., Baltimore, Md. Machine for applying bottle-stoppers. No. 1,212,209; Jan. 16; v. 234; p. 692.
- Grynik, Michael A., Ladywood, Manitoba, Canada. Attachment for pencils. No. 1,223,579; Apr. 24; v. 237; p. 1003.
- Gscheiden, Wilhelm, Berlin-Schmargendorf, assignor to Siemens-Schuckertwerke, G. m. b. H., Berlin, Germany. Slip-ring for dynamo-electric machines. No. 1,243,286; Oct. 16; v. 243; p. 649.
- Gsell, Henry A., Paris, France. Match-making machine. No. 1,234,012; July 17; v. 240; p. 880.
- Guarantee Liquid Measure Company, The. (See MacKenzie, James A. and G. W. Jr., assignors.)
- Guard, Abiah H., Colfax, Ind. Tractor. No. 1,240,338; Sept. 18; vol. 242; p. 579.
- Gubelman, Frederick J., Englewood, N. J. Anticurling device for paper sheets. No. 1,210,465; Jan. 2; v. 234; p. 30.
- Guckeen, John B., Jr., Blue Earth, Minn. Clothes-pin. No. 1,234,754; July 31; v. 240; p. 1189.
- Guerné, Alfred A., Kalamazoo, Mich. Harrow-tooth holder. No. 1,246,914; Nov. 20; v. 244; p. 596.
- Guenther, David S., Dayton, Ohio. Wall-bracket for supporting fire-extinguishers. No. 1,226,968; May 22; v. 238; p. 1108.
- Guenther, Fred, Los Angeles, Cal. Spring-suspended frame for automobiles. No. 1,228,319; May 29; v. 238; p. 1588.
- Guéret, André, Paris, France. Internal-combustion engine. No. 1,231,522; June 26; v. 239; p. 1176.
- Guérin, Joseph A., Seattle, Wash. Oil-burner. No. 1,225,242; May 8; v. 238; p. 442.
- Guerra, Jose J., Ciudad Juarez, Mexico. Check-protector. No. 1,238,665; Aug. 28; v. 241; p. 1111.
- Guerrant, John L., Sedalia, Mo. Freight-car door. No. 1,226,207; May 15; v. 238; p. 813.
- Guerrero, Benigno, J. R. Viscosa, and A. R. Gaxiola, assignors of one-fourth to G. W. Sandilands, Anaheim, Cal. Clipper. No. 1,232,291; July 3; v. 240; p. 253.
- Guerry, Du Pont. (See Clark, James M., assignor.)
- Guess, Learner E., Marion, Ky. Tire-inflating apparatus. No. 1,226,507; May 15; v. 238; p. 914.
- Guest, Alfred W. F., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,231,879; July 3; v. 240; p. 116.
- Guest, Peyton L., Atlanta, Ga. Vapor-governor. No. 1,235,462; July 31; v. 240; p. 1402.
- Guest, Theodore M., Syracuse, N. Y. Necktie-holder. No. 1,234,659; July 24; v. 240; p. 1124.
- Guett, Monroe. (See Morris and Guett.)
- Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric-cable clamp. No. 1,225,125; May 8; v. 238; p. 404.
- Guett, Monroe, assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Push-button connection for snap-switches. No. 1,230,480; June 19; v. 239; p. 790.
- Guethoff, Felix, Three Rivers, Mich. Swimming device or life-preserver. No. 1,217,756; Feb. 27; v. 235; p. 1279.
- Guettler, Herbert, assignor to Fiber Making Processes, Chicago, Ill. Barking slabs. No. 1,247,526; Nov. 20; v. 244; p. 770.
- Guggenheim Laundry Machinery Company, The. (See Benjamin, Dana H., assignor.)
- Guggenheim Laundry Machinery Company, The. (See Benjamin and Alber, assignors.)
- Guggenheim Laundry Machinery Company, The. (See Freeman, Ladbroke H., assignor.)
- Gugler, Julius H., Milwaukee, Wis. Self-starting device for storage-battery plants. No. 1,248,848; Dec. 4; v. 245; p. 125.
- Guglielmone, Oscar, New York, N. Y. Folding umbrella. No. 1,224,533; May 1; v. 238; p. 149.
- Guhrauer, Ferdinand. (See Hay and Guhrauer.)
- Gulberson, Samuel A., Jr., San Francisco, Cal. Well-tubing catcher. No. 1,218,549; Mar. 6; v. 236; p. 228.
- Guice, Bengamen R., Grapeland, Tex. Valve. No. 1,217,938; Mar. 6; v. 236; p. 19.
- Guice, Duke. (See Lane, Guice, and Dohrmeyer.)
- Guichard, Edgar, Etampes, France. Process for covering with a protective plastic coating flattened strips and product thereof. No. 1,230,151; June 19; v. 239; p. 680.
- Guichard, Marcel, assignor to Société d'Electricité Mors, Paris, France. Telescopic mast. No. 1,221,723; Apr. 3; v. 237; p. 250.
- Guida, Fioravante, New Haven, Conn. Machine for coiling wire. No. 1,219,294; Mar. 13; v. 236; p. 525.
- Guide Motor Lamp Manufacturing Company, The. (See Persons, William F., assignor.)
- Guie, Pursifer F., and J. S. Long, Manheim, Pa.; said Guie assignor to said Long. Adjustable door-screen. No. 1,229,744; June 12; v. 239; p. 510.
- Guild, Henry J., assignor to Eastern Manufacturing Company, Bangor, Me. Watermarking mechanism. No. 1,231,730; July 3; v. 240; p. 66.
- Guiler, Leonard K., et al. (See Icenhour, Albert A., assignor.)
- Guiles, Charles H., Addison, N. Y. Rim-tool. No. 1,232,292; July 3; v. 240; p. 253.

Alphabetical list of patentees—Continued.

- Guilford, Edwin W., Jr., Washington, D. C. Score-keeping apparatus. No. 1,214,541; Feb. 6; v. 235; p. 21.
- Guiliano, Joseph, New Haven, Conn. Amusement apparatus. No. 1,222,622; Apr. 17; v. 237; p. 641.
- Guill, Emanuel A., Conran, Mo. Rail-joint. No. 1,213,864; Jan. 30; v. 234; p. 1334.
- Guill, Richard, and G. L. Shawver, Charleston, W. Va. Overspeed device. No. 1,237,203; Aug. 14; v. 241; p. 569.
- Guillery, René, assignor to Societe Des Etablissements Malicet & Blin, Aubervilliers, France. Compensating device for vehicle suspension. No. 1,214,912; Feb. 6; v. 235; p. 150.
- Guillet, George L., assignor to Bastian Brothers Company, Rochester, N. Y. Fastening device. No. 1,212,630; Jan. 16; v. 234; p. 844.
- Guillette, Frederick A., Taunton, Mass. Shoestring-fastener. No. 1,249,949; Dec. 11; v. 245; p. 472.
- Guillot, Eugene, Helena, Mont. Apparatus for cleaning sinks, &c. No. 1,228,320; May 29; v. 238; p. 1589.
- Guilmart, Celestin, Goshen, Conn. Spring-wheel. No. 1,220,329; Mar. 27; v. 236; p. 956.
- Guimarães, José L., assignor to José Lopes Guimarães & Co., Rio de Janeiro, Brazil. Coffee-making apparatus. No. 1,247,896; Nov. 20; v. 244; p. 733.
- Guinard, Charles M. A. (See Baron and Guinard.)
- Guindon, Alexandre, Clarence Creek, Ontario, Canada. Combination-lock. No. 1,235,463; July 31; v. 240; p. 1403.
- Guinzburg, Victor, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Nursing-vest. No. 1,211,699; Jan. 9; v. 234; p. 486.
- Guinzburg, Victor, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Nursing-vest. No. 1,217,441; Feb. 27; v. 235; p. 1168.
- Guinzburg, Victor, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Bathing-cap. No. 1,242,684; Oct. 9; v. 243; p. 428.
- Guise, Joseph A., Magazine, Ark. Necktie-retainer. No. 1,230,704; June 19; v. 239; p. 865.
- Gulbrandsen-Dickinson Company. (See Thorn, Oscar P., assignor.)
- Gulbrandsen, Sverre, Woodbury, assignor to Welsbach Light Company, Gloucester City, N. J. Incandescent mantle. (Reissue.) No. 14,241; Jan. 2; v. 234; p. 344.
- Gulbrandsen, Sverre, Woodbury, assignor to Welsbach Light Company, Gloucester City, N. J. Limp incandescent mantle. (Reissue.) No. 14,242; Jan. 2; v. 234; p. 344.
- Gulbrandsen, Gulbrand, Chicago, Ill. Automatic weight-indicating attachment for beam-scales. No. 1,251,016; Dec. 25; v. 245; p. 877.
- Gulden, Richard A., West Dallas, Tex. Locking device for motor-vehicles. No. 1,218,856; Mar. 13; v. 236; p. 378.
- Gulf Refining Company. (See Alexander, Clive M., assignor.)
- Gulf Refining Company. (See Bacon, Brooks, and Clark, assignors.)
- Gulf Refining Company. (See Brooks and Essex, assignors.)
- Gulf Refining Company. (See Brooks and Humphrey, assignors.)
- Gulf Refining Company. (See Brooks and Padgett, assignors.)
- Gulf Refining Company. (See Brooks and Smith, assignors.)
- Gulf Refining Company. (See Essex and Humphrey, assignors.)
- Gulf Refining Company. (See Hibbert, Essex, and Brooks, assignors.)
- Gulf Refining Company. (See McAfee, Almer M., assignor.)
- Gulf Refining Company. (See Slater, William A., assignor.)
- Gulborg, Gustaf F., Renova, Pa. Sash-strip fastener. No. 1,240,044; Sept. 11; v. 242; p. 448.
- Gulledge, James A. (See Robinett and Gulledge.)
- Gulledge, John G., Marshville, N. C. Folding table. No. 1,220,417; Mar. 27; v. 236; p. 987.
- Gumaer, George S., Coronado, Cal. Bread-toaster. No. 1,212,051; Jan. 9; v. 234; p. 610.
- Gumaer, George S., Coronado, Cal. Game device. No. 1,213,628; Jan. 23; v. 234; p. 1225.
- Gumaer, George S., Coronado, Cal. Automatic signaling device. No. 1,223,965; Apr. 24; v. 237; p. 1138.
- Gumber, Joseph and P., and J. Harder, East Moline, Ill. Rolling screen. No. 1,215,651; Feb. 13; v. 235; p. 447.
- Gumber, Joseph and P., and J. Harder, East Moline, Ill. Rolling screen. No. 1,242,177; Oct. 9; v. 243; p. 260.
- Gumber, Paul. (See Gumber and Harder.)
- Gummerson, Gust, Iron Mountain, Mich. Article-holding device. No. 1,238,761; Sept. 4; v. 242; p. 13.
- Gumprecht, William L., Hartford, Conn., assignor to Underwood Computing Machine Company, New York, N. Y. Type-writing machine. No. 1,227,262; May 22; v. 238; p. 1208.
- Gumprecht, William L., Brooklyn, assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,237,895; Aug. 21; v. 241; p. 829.
- Gumprecht, William L., Brooklyn, assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Stand for adding and type-writing machines. No. 1,250,305; Dec. 18; v. 245; p. 615.
- Gundermann, Philip H., Chicago, Ill. Rubber bumper. No. 1,233,051; July 10; v. 240; p. 533.
- Gundlach, Henry C., La Crosse, Wis. Cloth. No. 1,249,950; Dec. 11; v. 245; p. 472.
- Gundorph, Ferdinand, Portland, Oreg. Equalizer for main-spring-drives. No. 1,221,986; Apr. 10; v. 237; p. 376.
- Gundorph, Ferdinand, Portland, Oreg. Pendulum-escape-ment. No. 1,222,767; Apr. 17; v. 237; p. 688.
- Gundrum, Willis H., Denver, Colo. Automobile-engine ventilator. No. 1,251,223; Dec. 25; v. 245; p. 936.
- Gungle, Joseph I., Ann Arbor, Mich. Indicator. No. 1,220,981; Mar. 27; v. 236; p. 1178.
- Gunn, Daniel G., Walnut Springs, Tex. Cushion-tire. No. 1,211,144; Jan. 2; v. 234; p. 262.
- Gunn, Francis M., and L. J. Berg, Chicago, Ill. Metallic card-diaphragm. No. 1,243,932; Oct. 23; v. 243; p. 881.
- Gunn, Jc. Christon, Walnut Springs, Tex. Cotton-chopper. No. 1,223,868; Apr. 24; v. 237; p. 1106.
- Gunn, John, Winnipeg, Manitoba, Canada. Grain-separator. No. 1,217,299; Feb. 27; v. 235; p. 1117.
- Gunn, John A., Hopkinsville, Ky. Seat-indicator. No. 1,241,965; Oct. 2; v. 243; p. 158.
- Gunn, John M., assignor to The McClary Manufacturing Co., London, Ontario, Canada. Field-kitchen. No. 1,244,489; Oct. 30; v. 243; p. 1086.
- Gunn, John R., Detroit, Mich. Bridge for supporting electric fixtures. No. 1,213,865; Jan. 30; v. 234; p. 1334.
- Gunnoe, Berta B., Beckley, W. Va. Hook for antiskid-chains. No. 1,235,682; Aug. 7; v. 241; p. 48.
- Gunst, Lauritz A., Omar, W. Va. Strainer or separator. No. 1,215,267; Feb. 6; v. 235; p. 274.
- Gunter, Robert, and M. M. Eakin, assignors to G. T. C. Paget and W. E. Slaughter, London, England. Explosive projectile. No. 1,211,936; Jan. 9; v. 234; p. 573.
- Gunther, George, and W. P. Miller, Los Angeles, Cal., assignors to said George Gunther. Non-skid device for motor-vehicles. No. 1,217,442; Feb. 27; v. 235; p. 1168.
- Guptail, Clarence H., Elgin, Ill. Pump. No. 1,242,685; Oct. 9; v. 243; p. 428.
- Gurley, James C., Norfolk, Va. Auxiliary seat for automobiles. No. 1,223,272; Apr. 17; v. 237; p. 802.
- Gurley, John W., Yorkville, assignor of one-half to W. O. Weiskotten, Utica, N. Y. Sewing-machine. No. 1,229,256; June 12; v. 239; p. 346.
- Gurney Ball Bearing Company. (See Gurney, Frederick W., assignor.)
- Gurney, Frederick W., Jamestown, N. Y., assignor to Gurney Ball Bearing Company. Apparatus for assembling ball-bearings. No. 1,232,293; July 3; v. 240; p. 253.
- Gurtner, William E. (See Michaud and Gurtner.)
- Gurtov, Morris, New York, N. Y. Game device. No. 1,218,398; Mar. 6; v. 236; p. 177.
- Gury, John B., St. Louis, Mo. Presser-foot for cloth-cutters. No. 1,233,872; July 17; v. 240; p. 836.
- Gusdofer, Isaac H. (See Smith, Alva B., assignor.)
- Gusey, Arthur L., Walla Walla, Wash. Aerial vessel. No. 1,241,623; Oct. 2; v. 243; p. 51.
- Gustafson, Adolph P., assignor to M. Schulz Co., Chicago, Ill. Pneumatic action for pneumatically-operated musical instruments. No. 1,225,709; May 8; v. 238; p. 601.
- Gustafson, Adolph P., assignor to M. Schulz Company, Chicago, Ill. Pneumatic regulator. No. 1,250,104; Dec. 11; v. 245; p. 515.
- Gustafson, Albin B., Duluth, Minn. Direction-indicator for vehicles. No. 1,236,707; Aug. 14; v. 241; p. 414.
- Gustafson, Arthur H., Chicago, Ill. Envelop. No. 1,249,951; Dec. 11; v. 245; p. 472.
- Gustafson, Arthur J., Hanley Falls, Minn. Fish-stop. No. 1,232,794; July 10; v. 240; p. 450.
- Gustafson, Axel P., Waukegan, assignor to Chicago Hardware Foundry Company, North Chicago, Ill. Molding apparatus. No. 1,243,660; Oct. 16; v. 243; p. 761.
- Gustafson, Carl J., assignor to Hendee Manufacturing Company, Springfield, Mass. Starting device for motor-cycles. No. 1,217,300; Feb. 27; v. 235; p. 1118.
- Gustafson, Carl J., assignor to Hendee Manufacturing Company, Springfield, Mass. Motor-cycle. No. 1,249,072; Dec. 4; v. 245; p. 187.
- Gustafson, Carl J., assignor to Hendee Manufacturing Company, Springfield, Mass. Circuit-breaker. No. 1,251,224; Dec. 25; v. 245; p. 937.
- Gustafson, Carl J., and R. W. Ellingham, assignors to Hendee Manufacturing Company, Springfield, Mass. Handle-bar clamp for motor-cycles. No. 1,215,145; Feb. 6; v. 235; p. 230.
- Gustafson, Edward C. (See Gustafson, Frank O. and E. C.)
- Gustafson, Frank O. and E. C., assignors of one-half to J. F. Faust and F. H. Gloyd, Portland, Oreg. Roller-trip for printing-presses. No. 1,249,619; Dec. 11; v. 245; p. 374.
- Gustafson, Harold E., Harcourt, Iowa. Automobile-door-operating mechanism. No. 1,218,645; Mar. 13; v. 236; p. 299.
- Gustafson, Hjalmer C. and S., Denver, Colo. Automatic valve. No. 1,248,650; Dec. 4; v. 245; p. 66.

- Gustafson, Jacob, Boise, Idaho. Metallic nosing for repairing old steps. No. 1,234,013; July 17; v. 240; p. 881.
- Gustafson, Lawrence W., Smolan, Kans. Lock for automobile-hoods. No. 1,227,048; May 22; v. 238; p. 1135.
- Gustafson, Sven. (See Gustafson, Hjalmer C. and S.)
- Gustavson, Frank A., Seekonk, Mass. Ventilator and air-purifying apparatus. No. 1,214,154; Jan. 30; v. 234; p. 1433.
- Gustin, Max, New York, N. Y. Slipper. No. 1,244,197; Oct. 23; v. 243; p. 959.
- Gut, Jacob, Cleveland, Ohio. Automatic train-stop. No. 1,238,512; Aug. 28; v. 241; p. 1063.
- Gutherlet, Charles J., Philadelphia, Pa. Window-envelope. No. 1,245,100; Oct. 30; v. 243; p. 1271.
- Gutenberger, Frederick C., Sacramento, Cal. Electric lighter for gas-stoves. No. 1,240,707; Sept. 18; vol. 242; p. 691.
- Gutenkunst, William, Milwaukee, Wis. Litter-carrier. No. 1,215,523; Feb. 13; v. 235; p. 398.
- Gutenkunst, William, Milwaukee, Wis. Cattle-stanchion. No. 1,235,683; Aug. 7; v. 241; p. 49.
- Gutenkunst, William, Milwaukee, Wis. Cattle-stanchion. No. 1,239,906; Sept. 11; v. 242; p. 408.
- Guth, Anna, New York, N. Y. Pillow-sham holder. No. 1,223,580; Apr. 24; v. 237; p. 1003.
- Guth, Edwin F., assignor to St. Louis Brass Manufacturing Company, St. Louis, Mo. Lighting-fixture. No. 1,248,849; Dec. 4; v. 245; p. 125.
- Guth, George J., Denver Mills, Colo. Lid. No. 1,215,929; Feb. 13; v. 235; p. 545.
- Guth, Louis, Portland, Oreg. Universally-adjustable and folding saw-guide. No. 1,235,970; Aug. 7; v. 241; p. 144.
- Guthner, Albert L., Littleton, Colo. Train-stopping apparatus. No. 1,222,944; Apr. 17; v. 237; p. 751.
- Guthrie, Charles G., Glasgow, and L. W. Neilson, Helensburgh, Scotland. Machine for registering the trajectories of captive balls. No. 1,240,198; Sept. 18; vol. 242; p. 535.
- Guthrie, Harley W., Elmore, Ohio. Circuit-closing means for fire-alarms. No. 1,242,178; Oct. 9; v. 243; p. 266.
- Guthrie, James, assignor to Briscoe Motor Co., Inc., Jackson, Mich. Transmission mechanism. No. 1,216,307; Feb. 20; v. 235; p. 732.
- Guthrie, John C., *et al.* (See Guthrie, Venable J., assignor.)
- Guthrie, Venable J., Cambria, assignor of one-eighth to J. C. Guthrie, Pearisburg, and one-eighth to W. C. Guthrie, one-eighth to H. D. Jordan, and one-eighth to F. Gordon, Dublin, Va. Air-compressor. No. 1,226,328; May 15; v. 238; p. 858.
- Guthrie, Wade H., Charleston, W. Va. Automatic air-controlling device for gas-engines. No. 1,230,481; June 19; v. 239; p. 790.
- Guthrie, William C., *et al.* (See Guthrie, Venable J., assignor.)
- Gutiérrez, Refugio, San Antonio, Tex. Tortilla-making machine. No. 1,229,946; June 12; v. 239; p. 577.
- Gutman, Benjamin. (See Gutman, Louis and B.)
- Gutman, Louis and B., New York, N. Y. Petticoat. No. 1,210,466; Jan. 2; v. 234; p. 30.
- Gutmann, Ludwig, St. Louis, Mo. Pulley. No. 1,211,937; Jan. 9; v. 234; p. 573.
- Gutmann, Ludwig, St. Louis, Mo. Pulley covering or facing. No. 1,211,938; Jan. 9; v. 234; p. 573.
- Gutsch, Alfred O. and E. C. Sheboygan, Wis. Gas-burner attachment. No. 1,219,728; Mar. 20; v. 236; p. 707.
- Gutsch, Ella C. (See Gutsch, Alfred O. and E. C.)
- Gutt, Johann W. T., New Brunswick, N. J. assignor of one-half to G. R. Henke, New York, N. Y. Change-speed device. No. 1,223,966; Apr. 24; v. 237; p. 1139.
- Gutteridge, Frank, Sarnia, Ontario, Canada. Multiple mold for tile-making machines. No. 1,215,797; Feb. 13; v. 235; p. 497.
- Guttridge, Harry, Youngstown, Ohio. Cloth-sponging machine. No. 1,218,646; Mar. 13; v. 236; p. 299.
- Gutzeit, Charles W., New York, N. Y. Tire. No. 1,214,155; Jan. 30; v. 234; p. 1433.
- Guy, Frank, Springfield, Ill. Acetylene-lamp. No. 1,237,637; Aug. 21; v. 241; p. 748.
- Guy, George E., Tottenville, N. Y. Rotary piston-pump. No. 1,250,860; Dec. 18; v. 245; p. 781.
- Guy, George E., Tottenville, N. Y., assignor of one-third to W. H. Samuel and one-third to H. H. Samuel, Bloomfield, N. J. Rotary piston-pump. No. 1,241,624; Oct. 2; v. 243; p. 51.
- Guy, George G., Batavia, assignor to Aurora Door Hanger & Specialty Company, Aurora, Ill. Frame for grindstones. No. 1,226,969; May 22; v. 238; p. 1109.
- Guyer, Hans, assignor to Aktiengesellschaft der Maschinenfabriken Escher, Wyss & Co., Zurich, Switzerland. Apparatus for operating the blow-off valves of centrifugal compressors or pumps. No. 1,241,372; Sept. 25; v. 242; p. 934.
- Guyton & Cumfer Manufacturing Company. (See Cumfer, Harry A., assignor.)
- Guzy, John, Garfield, N. J. Pencil-sharpener. No. 1,246,419; Nov. 13; v. 244; p. 412.
- Gwinn, George W., New York, N. Y., assignor to Automatic Packing & Labeling Company, Durham, N. C. Machine for packaging materials. No. 1,221,313; Apr. 3; v. 237; p. 110.
- Gwinn, Morris N., Meadow Creek, W. Va. Telegraph-key. No. 1,233,774; July 17; v. 240; p. 803.
- Gwinner, John A., Philadelphia, Pa. Bottle-capping device. No. 1,218,550; Mar. 6; v. 236; p. 228.
- Gwynn, Albert R., Phoenix, Ariz. Work-direction tag. No. 1,245,457; Nov. 6; v. 244; p. 94.
- Gygar, Joseph A., Brisbane, Queensland, Australia. Mechanical motor. No. 1,243,163; Oct. 16; v. 243; p. 611.
- Gyllsdorff, Torsten A., Detroit, Mich. Hair-pin. No. 1,226,508; May 15; v. 238; p. 914.
- Gysl, Alfred, Zurich, Switzerland. Dental articulator. No. 1,228,667; June 5; v. 239; p. 99.
- H. Brinton Company. (See Larkin, Walter, assignor.)
- H. Herrmann Furniture Company. (See Herrmann, Oscar, assignor.)
- H. Koppers Company. (See Darrin, Marc, assignor.)
- H. Koppers Company. (See Koppers, Heinrich, assignor.)
- H. Koppers Company. (See Sperr, Frederick W., Jr., assignor.)
- H. Koppers Company. (See Sperr and Montgomery, assignors.)
- H. Maimin Company. (See Arendt, Morton, assignor.)
- H. Maimin Co. (See Marshall, William J., assignor.)
- H. Mueller Mfg. Co. (See Cash, Arthur W., assignor.)
- H. A. Framburg & Company. (See Framburg, Henry A., assignor.)
- H. & B. American Machine Company. (See Riley and Robinson, assignors.)
- H. B. Dodge & Company. (See Smith, Ezra B., assignor.)
- H. B. Sherman Manufacturing Company, The. (See Andrews, Herbert B., assignor.) (Reissue.)
- H. B. Sherman Manufacturing Company. (See Andrews, Hart, and Sherman, assignors.)
- H. C. Faber & Son Company. (See Winship, Stephen E., assignor.)
- H. & D. Company, The. (See Hawn, Andrew P., assignor.)
- H. D. Smith & Company, The. (See Thomson, William S., assignor.)
- H. & F. Match Machine Corporation. (See Friede and Hutchinson, assignors.)
- H. G. Trout Company. (See Walker, Albert S., assignor.)
- H. H. Babcock Company. (See Davis, Francis G., assignor.)
- H. H. Franklin Manufacturing Company. (See Brown, William H., assignor.)
- H. H. Franklin Manufacturing Company. (See Murphy, Ralph, assignor.)
- H. J. Mahony Co. (See Irwin, James, assignor.)
- H. J. Smith Tractor Company. (See Smith, Henry J., assignor.)
- H. K. Mulford Company. (See Elgin, William F., assignor.)
- H. K. Mulford Company. (See Pittenger, Paul S., assignor.)
- H. K. Mulford Company. (See Reichel and Werner, assignors.)
- H. L. Judd Company. (See Edsall, William H., assignor.)
- H. L. Judd Company. (See Edsall and Chase, assignors.)
- H. & M. Automatic Regulator Company. (See Norwood, Harry Y., assignor.)
- H. & N. Carburetor Company. (See Hawxhurst and Nicolai, assignors.)
- H. P. Patents and Processes Company. (See Hochstetter, Frederick W., assignor.)
- H. and R. Garter Company, The. (See Hitchner, Rumpf, and Brown, assignors.)
- H. T. Paiste Company. (See Paiste, Henry T., assignor.)
- H. W. Johns-Manville Company. (See Carson, Clarence, assignor.)
- H. W. Johns-Manville Company. (See Christenson, George, assignor.)
- H. W. Johns-Manville Company. (See Manville, Charles R., assignor.)
- H. W. Johns-Manville Company. (See Rowell, Frank F., assignor.)
- H. W. Johns-Manville Company. (See Seigle, William R., assignor.)
- H. W. Johns-Manville Company. (See Wardell, Henry R., assignor.)
- H. W. Roundtree & Brother Trunk and Bag Co. (See James, Arthur P., assignor.)
- H. L. F. Trebert Rotary Motor Co. (See Trebert, Henry L. F., assignor.)
- Haack, John H., and E. Mictoff, Los Angeles, Cal. Can opener and holder. No. 1,221,724; Apr. 3; v. 237; p. 250.
- Haak, William, Madison, Wis. Stock-tank heater. No. 1,240,339; Sept. 18; vol. 242; p. 579.
- Haakenson, Erik, Tacoma, Wash. Automobile-jack. No. 1,217,757; Feb. 27; v. 235; p. 1279.
- Haanel, Hugo P., Jr., St. Louis, Mo. Pianoforte attachment. No. 1,229,257; June 12; v. 239; p. 346.
- Haapanen, Norman H., South Range, Mich. Stove-ld lifter. No. 1,217,758; Feb. 27; v. 235; p. 1279.
- Haas, Carl, assignor to Pittsburgh Cornice & Roofing Company, Pittsburgh, Pa. Heating appliance for glass-molds. No. 1,248,483; Dec. 4; v. 245; p. 16.
- Haas, Charles A., New York, N. Y. Door-holder. No. 1,237,030; Aug. 14; v. 241; p. 518.
- Haas, Charles C., Whitewood, S. D. Information card or folder. No. 1,220,098; Mar. 20; v. 236; p. 836.
- Haas, Gus. (See Haas and Myers, assignors.)

Alphabetical list of patentees—Continued.

- Haas, Irvin M. and N. R., and B. V. Myers, assignors of one-fourth to G. Haas, Dayton, Ohio. Vehicle-tire. No. 1,224,920; May 8; v. 238; p. 335.
- Haas, Jackson O., Philadelphia, Pa. Piston and ring packing. No. 1,229,258; June 12; v. 239; p. 347.
- Haas, John W. (See Scudder, Charles, assignor.)
- Haas, Nelson R. (See Haas and Myers.)
- Haas, Victor E., assignor of one-half to S. E. Starr, Toledo, Ohio. Carbureter. No. 1,249,381; Dec. 11; v. 245; p. 306.
- Haas, William H., Raub, Ind. Hoe. No. 1,240,199; Sept. 18; vol. 242; p. 536.
- Haase, Arthur P., and F. D. Pearne, Chicago, assignors to W. Stahl, Evanston, Ill. System of rectification. No. 1,237,638; Aug. 21; v. 241; p. 748.
- Haase, Leo G., Pasadena, Cal. Meter-box. No. 1,213,478; Jan. 23; v. 234; p. 1172.
- Habenicht, Johannes, and H. Becke, Dresden, Germany. Carbureter. No. 1,250,163; Dec. 18; v. 245; p. 572.
- Haber, Henry J., assignor of thirty-five one-hundredths to W. Hoyt, Cleveland, Ohio. Method and machine for preparing charcoal. No. 1,243,734; Oct. 23; v. 243; p. 819.
- Haberkorn, Louis J., Chatsworth, Ill. Puzzle game. No. 1,223,164; Apr. 17; v. 237; p. 828.
- Haberland, Oscar F., assignor to himself and H. J. Dixon, Philadelphia, Pa. Self-propelled explosive toy. No. 1,247,108; Nov. 20; v. 244; p. 651.
- Haberman, Zeno, Garden City, S. D. Cellar-door. No. 1,226,509; May 15; v. 238; p. 915.
- Habermann, Charles, assignor to Oscar Schmidt, Inc., Jersey City, N. J. Zither-action. No. 1,220,840; Mar. 27; v. 236; p. 1133.
- Haberstick, Peter F., Wheeling, W. Va. Emergency traction device. No. 1,245,219; Nov. 6; v. 244; p. 23.
- Habig, Edward H., Indianapolis, Ind. Trailer-camp. No. 1,216,986; Feb. 20; v. 235; p. 966.
- Hachenberg, Louis, New York, assignor to Hachenberg Turbine Company, Flushing, N. Y. Turbine-engine. No. 1,237,639; Aug. 21; v. 241; p. 748.
- Hachenberg, Louis, New York, N. Y. Motor for starting engines. No. 1,241,625; Oct. 2; v. 243; p. 51.
- Hachenberg Turbine Company. (See Hachenberg, Louis, assignor.)
- Hachmann, Frederick, assignor of one-half to F. C. Schoenthaler, St. Louis, Mo. Bottle-closure. No. 1,214,026; Jan. 30; v. 234; p. 1391.
- Hachmann, Frederick, assignor of one-fourth to J. B. Hollis and one-fourth to F. C. Schoenthaler, St. Louis, Mo. Furniture-tip. No. 1,217,091; Feb. 20; v. 235; p. 1001.
- Hachmann, Frederick, assignor of one-fourth to F. C. Schoenthaler, one-fourth to L. G. Smith, and one-fourth to J. B. Hollis, St. Louis, Mo. Furniture-tip. No. 1,220,099; Mar. 20; v. 236; p. 837.
- Hachmann, Frederick, St. Louis, Mo., assignor to Hachmann Specialty Company. Container-cap. No. 1,224,459; May 1; v. 238; p. 124.
- Hachmann, Frederick, assignor of one-fourth to F. C. Schoenthaler and one-fourth to J. B. Hollis, St. Louis, Mo. Clamp. No. 1,233,223; July 10; v. 240; p. 589.
- Hachmann, Frederick, assignor of one-half to F. C. Schoenthaler, St. Louis, Mo. Hose-coupling. No. 1,241,626; Oct. 2; v. 243; p. 52.
- Hachmann Specialty Company. (See Hachmann, Frederick, assignor.)
- Hachmeister, John. (See Leonard, William R., assignor.)
- Hackbarth, Oscar J., Elmhurst, Ill. Vehicle-wheel. No. 1,223,785; Apr. 24; v. 237; p. 1077.
- Hacker, Charles F., Schodack, N. Y. Butter-worker. No. 1,231,731; July 3; v. 240; p. 66.
- Hacker, Eugene. (See Siegel, Bernath J., assignor.)
- Hackerson, Thomas, Newark, Ill. Fuel-box. No. 1,223,273; Apr. 17; v. 237; p. 862.
- Hackett, Bert G., assignor to Metal Products Corporation, Providence, R. I. Cigarette-case. No. 1,237,776; Aug. 21; v. 241; p. 793.
- Hackett, Charles H. (See Burtch, Lewis D., assignor.)
- Hackett, James L., and W. J. Boll, assignors to E. W. Dana, Platteville, Wis. Vending-machine. No. 1,236,163; Aug. 7; v. 241; p. 203.
- Hackett, Paul J., Seattle, Wash. High-power transmitting apparatus for wireless telephones. No. 1,246,420; Nov. 13; v. 244; p. 412.
- Hackfeld, John H., Crawford, Tex. Cultivator-hobble. No. 1,241,110; Sept. 25; v. 242; p. 850.
- Hackley, George T., deceased, Los Angeles, Cal.; S. C. Hackley, administratrix. Valve-stem gage. No. 1,219,729; Mar. 20; v. 236; p. 707.
- Hackley, George T., deceased, S. C. Hackley, administratrix, Los Angeles, Cal., assignor of one-half to M. E. Covington, Memphis, Tenn. Container. No. 1,244,324; Oct. 23; v. 243; p. 999.
- Hackley, Sarah C., administratrix. (See Hackley, George T.)
- Hackney, Andrew, Portageville, Mo. Barbecue-stove. No. 1,250,861; Dec. 18; v. 245; p. 781.
- Hackney, Leslie S. (See Froelich, John, assignor.)
- Hackney, Leslie S. (See Johnson, Edward, assignor.)
- Hackney, Leslie S., St. Paul, Minn. Pedal attachment for accelerating-levers. No. 1,214,027; Jan. 30; v. 234; p. 1391.
- Hackney, Leslie S., St. Paul, Minn. Draft appliance for plows. No. 1,219,636; Mar. 20; v. 236; p. 675.
- Hackney, Leslie S., St. Paul, Minn. Traction-vehicle. No. 1,230,402; June 19; v. 239; p. 763.
- Hackney, Leslie S., St. Paul, Minn. Controlling device for traction-vehicles. No. 1,245,708; Nov. 6; v. 244; p. 171.
- Hackney, Leslie S., and J. Froelich, St. Paul, Minn.; said Froelich assignor to said Hackney. Traction-vehicle. No. 1,219,637; Mar. 20; v. 236; p. 675.
- Hackstaft, George C., and G. B. Holden, Denver, Colo. Ore classifying and separating process. No. 1,219,408; Mar. 13; v. 236; p. 565.
- Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Stitch-rubbing and channel-roughening machine. No. 1,217,595; Feb. 27; v. 235; p. 1224.
- Hadaway, William S., Jr., New Rochelle, E. N. Lightfoot, and J. Amon, New York, N. Y., assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electrical plug-connector. No. 1,238,287; Aug. 28; v. 241; p. 990.
- Haddan, James F., Doerun, Ga. Churn. No. 1,213,187; Jan. 23; v. 234; p. 1070.
- Haddock, Joseph F., St. Louis, Mo. Train lantern or marker. No. 1,228,911; June 5; v. 239; p. 182.
- Haddon, Walter. (See Constantinesco, Gogu, assignor.)
- Hadert, Albert J., New Rochelle, N. Y. Wrapping-machine. No. 1,215,930; Feb. 13; v. 235; p. 546.
- Hadert, Albert J., New Rochelle, N. Y. Package-wrapper. No. 1,235,312; July 31; v. 240; p. 1359.
- Hadert, Albert J., New Rochelle, N. Y. Binding and wrapping machine. No. 1,235,313; July 31; v. 240; p. 1360.
- Hadfield, Frederick, Millville, and W. Kuhlthau, Blackstone, Mass., assignors to Woonsocket Rubber Company. Rolling-machine. No. 1,210,930; Jan. 2; v. 234; p. 191.
- Hadfield, Frederick J., Oulton Broad, near Lowestoft, England. Terminal for electrical appliances. No. 1,241,627; Oct. 2; v. 243; p. 52.
- Hadfield, Samuel, assignor of one-half to G. Bucklitch, Lawrence, Mass. Attachment for circular combs. No. 1,220,626; Mar. 27; v. 236; p. 1060.
- Hadgieff, Koiv G., Akron, Ohio. Cement-holder. No. 1,244,600; Oct. 30; v. 243; p. 1120.
- Hadley, Art, Providence, R. I. Bracelet. No. 1,224,921; May 8; v. 238; p. 335.
- Hadley, Art, Providence, R. I. Bracelet-catch. No. 1,225,018; May 29; v. 238; p. 1490.
- Hadley, Art, Providence, R. I. Soft-collar button. No. 1,229,607; June 12; v. 239; p. 466.
- Hadley, Charles W., Ogden, Utah. Elevating-machine. No. 1,225,809; May 15; v. 238; p. 678.
- Hadley, Dana G., West Newbury, Mass. Invalid's chair. No. 1,216,987; Feb. 20; v. 235; p. 966.
- Hadley, Dana G., West Newbury, Mass. Invalid's chair. No. 1,219,295; Mar. 13; v. 236; p. 525.
- Hadley, Irving, Los Angeles, Cal. Contact-point bed. No. 1,248,318; Nov. 27; v. 244; p. 1029.
- Hadley, James A., Swanlake, Idaho. Combined hay rake and loader. No. 1,230,152; June 19; v. 239; p. 680.
- Hadley, Jared C. (See Edgar, Robert A., assignor.)
- Hadley, Walter C., New York, N. Y. Sample-pasting machine. No. 1,229,259; June 12; v. 239; p. 347.
- Hadlock, Walter L., Portland, Oreg. Figure toy. No. 1,221,314; Apr. 3; v. 237; p. 110.
- Hadnagy, Peter, Detroit, Mich. Antiskidding device. No. 1,234,896; July 31; v. 240; p. 1232.
- Haefely, Emil, Basel, Switzerland. Manufacturing electric insulating-sleeves. No. 1,237,031; Aug. 14; v. 241; p. 518.
- Haefely, Emil, Basel, Switzerland. Plate-press for the manufacture of pressed composite insulating sheets or plates. No. 1,246,740; Nov. 13; v. 244; p. 507.
- Haefely, Emil, Basel, Switzerland, assignor to Westinghouse Electric and Manufacturing Company. Producing insulating materials. No. 1,228,371; May 29; v. 238; p. 1606.
- Haefner, Axel H., Skutskär, Sweden. Sizing paper, cardboard, and the like. No. 1,231,153; June 26; v. 239; p. 1056.
- Haen, William T., Mantador, N. D. Band-brake. No. 1,214,778; Feb. 6; v. 235; p. 103.
- Haeseler, Charles H., Chicago, Ill. Two-stage throttle-valve for percussive tools. No. 1,215,146; Feb. 6; v. 235; p. 231.
- Haeseler, Charles H., Philadelphia, Pa. Rock-drill. No. 1,214,542; Feb. 6; v. 235; p. 21.
- Haeseler, Charles H., Philadelphia, Pa. Fluid-pressure hammer. No. 1,220,100; Mar. 20; v. 236; p. 837.
- Haeseler, Charles H., Philadelphia, Pa. Pneumatic percussive tool. No. 1,240,708; Sept. 18; vol. 242; p. 692.
- Haeseler, Charles H., Philadelphia, Pa. Pneumatic percussive tool. No. 1,240,709; Sept. 18; v. 242; p. 692.
- Haffner, Jacob P., Howardsville, Va. Plow. No. 1,243,833; Oct. 23; v. 243; p. 851.
- Haffner, Silas B. (See Maguire, John L., assignor.)
- Hafner, Henry, Brooklyn, N. Y. Camera. No. 1,246,263; Nov. 13; v. 244; p. 365.
- Haft, Albert C., Jr., assignor of one-half to D. C. and M. W. Larcomb, Columbus, Ohio. Shirt. No. 1,215,931; Feb. 13; v. 235; p. 546.
- Hagadone, Clinton A., Western Springs, Ill., assignor to International Harvester Company of New Jersey. Corn-harvesting machine. No. 1,213,629; Jan. 23; v. 234; p. 1225.

- Hagadone, Clinton A., Western Springs, Ill., assignor to International Harvester Company of New Jersey. Journal-bearing. No. 1,221,315; Apr. 3; v. 237; p. 111.
- Hagadone, Clinton A., Western Springs, Ill., assignor to International Harvester Company of New Jersey. Corn harvester and husker. No. 1,221,316; Apr. 3; v. 237; p. 111.
- Hagan, Andrew. (See Harris, William L., assignor.)
- Hagan, Louis T., Winchester, Ky. Gas-heater. No. 1,245,904; Nov. 6; v. 244; p. 231.
- Hagar, Arthur P., Newark, N. J., assignor to Safety Car Heating & Lighting Company. Acetylene-generator. No. 1,225,434; May 8; v. 238; p. 510.
- Hagar, Franklin W., deceased, Nashville, Tenn.; A. S. Davis, executor. Carbureter. No. 1,235,464; July 31; v. 240; p. 1403.
- Hagar, Franklin W., deceased, Nashville, Tenn., A. S. Davis, executor. Float feed-chamber and float for carbureters. No. 1,240,200; Sept. 18; v. 242; p. 536.
- Hagar, George D., Alton, Iowa. Store furniture. No. 1,233,775; July 17; v. 240; p. 804.
- Haggart, Frank L. (See Hurlitt and Haggart.)
- Hage, Anna C., Toronto, S. D. Guard for link cuff-buttions. No. 1,240,845; Sept. 25; v. 242; p. 770.
- Hage, John, Woodhaven, N. Y. Lighting implement. No. 1,235,465; July 31; v. 240; p. 1404.
- Hage, Robert R., Great Falls, Mont. Gate-actuating mechanism. No. 1,214,913; Feb. 6; v. 235; p. 150.
- Hageloch, Georg, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Ammunition-wagon. No. 1,217,596; Feb. 27; v. 235; p. 1224.
- Hagelstein, Christian H. T., assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole-location marker. No. 1,211,438; Jan. 9; v. 234; p. 398.
- Hagelstein, Christian H. T., assignor to The Reece Button Hole Machine Company, Boston, Mass. Thread-controlling device for sewing-machines. No. 1,239,907; Sept. 11; v. 242; p. 409.
- Hagemann, Otto C., Yonkers, assignor to C. A. Dieterich, Mount Vernon, N. Y. Recovering oil from foots. No. 1,232,913; July 10; v. 240; p. 489.
- Hagemann, Otto C., Yonkers, and C. Baskerville, New York, N. Y. Effecting catalytic reactions. No. 1,238,137; Aug. 28; v. 241; p. 940.
- Hagen, Harold F., Jersey City, N. J., assignor to Green Fuel Economizer Company. Circular-disk fan. No. 1,232,795; July 10; v. 240; p. 451.
- Hagen, Harold F., assignor to The Green Fuel Economizer Company, Beacon, N. Y. Fan. No. 1,246,090; Nov. 13; v. 244; p. 313.
- Hagen, Nicholas W., Oakley, and L. Thiel, Clifton Heights, assignors to The Cincinnati Lathe and Tool Company, Hamilton county, Ohio. Gearing. No. 1,231,880; July 3; v. 240; p. 116.
- Hagen, William F., Scranton, Pa. Gate-valve. No. 1,219,392; Mar. 13; v. 236; p. 560.
- Hager, George E., Brooklyn, N. Y. Non-refillable bottle. No. 1,215,798; Feb. 13; v. 235; p. 497.
- Hager, James B., Gould, Okla. Rotary engine. No. 1,235,201; July 31; v. 240; p. 1326.
- Hager, Ole, Dovray, Minn. Door-hanger. No. 1,245,709; Nov. 6; v. 244; p. 172.
- Hager, Onslow B., Danville, Va., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,245,220; Nov. 6; v. 244; p. 24.
- Hager, Ralph R., Farmington, Wash. Wind-regulator for grain-separators. No. 1,237,896; Aug. 21; v. 241; p. 829.
- Hagerman, Frank A., Stromsburg, Nebr. Evener. No. 1,242,179; Oct. 9; v. 243; p. 266.
- Hagerman, Samuel, Crystal, Mich. Gas-engine. No. 1,244,490; Oct. 30; v. 243; p. 1087.
- Hagerstown Shoe & Lacing Company, The. (See Campbell, Robert L., assignor.)
- Hagerstrom Company, The. (See Fuller and Schroeder, assignors.)
- Hagerty, Georgina I., administratrix. (See Hagerty, Thomas F.)
- Hagerty, Peter F. (See Munson and Hagerty.)
- Hagerty, Thomas F., deceased; G. I. Hagerty, administratrix, New York, N. Y. Street-cleaning machine. No. 1,232,294; July 3; v. 240; p. 254.
- Hagey, James C., assignor of one-half to The Cable Company, Chicago, Ill. Pressure-regulator. No. 1,225,619; May 8; v. 238; p. 572.
- Hagey, James C., assignor of one-half to The Cable Company, Chicago, Ill. Power-regulating apparatus. No. 1,225,620; May 8; v. 238; p. 573.
- Hagey, James C., assignor to The Cable Company, Chicago, Ill. Musical-instrument case. No. 1,234,539; July 24; v. 240; p. 1088.
- Hagey, James C., assignor to The Cable Company, Chicago, Ill. Wind-supplying apparatus for musical instruments and musical-instrument players. No. 1,247,265; Nov. 20; v. 244; p. 696.
- Hagey, Justus T., Hatfield, Pa. Artificial limb. No. 1,215,268; Feb. 6; v. 235; p. 274.
- Haggard and Marcussen Company. (See Anderson, William B., assignor.)
- Haggerty, Frank, assignor of one-fourth to C. Izenstark, Chicago, Ill. Athlete's guard. No. 1,229,947; June 12; v. 239; p. 577.
- Haggerty, James S., Mannington, W. Va. Cigar bunching and rolling machine. No. 1,233,662; July 17; v. 240; p. 769.
- Haggerty, James S., Mannington, W. Va. Cigar and stogy bunching and rolling machine. No. 1,239,002; Sept. 4; v. 242; p. 91.
- Haggerty, James S., Mannington, W. Va. Tobacco bunching and rolling machine. No. 1,239,003; Sept. 4; v. 242; p. 91.
- Haggerty, James S., Mannington, W. Va. Cigar and stogy making machine. No. 1,239,004; Sept. 4; v. 242; p. 91.
- Haggin, Louis T. (See Kendall, Edward D., assignor.)
- Haggin, Louis T., et al., executors. (See Kendall, Edward D., assignor.)
- Haggin, Margaret V., et al., executors. (See Kendall, Edward D., assignor.)
- Haggott, Warren A., trustee. (See Wingett, John N., assignor.)
- Hagman, Edwin V., Revere, Mass. Protractor. No. 1,229,069; June 5; v. 239; p. 233.
- Hagood, William W., Charlotte, N. C. Sanitary ice-making apparatus. No. 1,234,660; July 24; v. 240; p. 1125.
- Hagset, Ole E., Milwaukee, Wis. Seine-puller. No. 1,232,535; July 10; v. 240; p. 365.
- Hagstrom, Anna E. (See Hagstrom, Carl J., assignor.)
- Hagstrom, Carl J., assignor to A. E. Hagstrom, Glen Cove, N. Y. Antirattler door-lock. No. 1,222,396; Apr. 10; v. 237; p. 520.
- Hague, Charles E., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Moisture and gas proof telephone-case. No. 1,247,825; Nov. 27; v. 244; p. 891.
- Hague, Floyd T., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Synchronous booster rotary converter. No. 1,250,164; Dec. 18; v. 245; p. 572.
- Hahl, Harold D., and J. J. Lambert, Houston, Tex. Perforator. No. 1,225,326; May 8; v. 238; p. 473.
- Hahn, Albert W. (See Pope and Hahn.)
- Hahn, Charles H., Pittsburgh, Pa. Partition structure for toilet-rooms. No. 1,229,745; June 12; v. 239; p. 511.
- Hahn, Edward J., Merrill, Iowa. Detachable vehicle-tire. No. 1,245,335; Nov. 6; v. 244; p. 58.
- Hahn, Frank R., Decatur, Ill. Building construction. No. 1,213,188; Jan. 23; v. 234; p. 1070.
- Hahn, George W., Indianapolis, Ind. Sponge holder and moistener. No. 1,218,081; Mar. 6; v. 236; p. 67.
- Hahn, George W., Indianapolis, Ind. Duster, scrubber, and washer appliance. No. 1,219,296; Mar. 13; v. 236; p. 526.
- Hahn, Herman J., Napoleon, Ohio. Corn-harvester. No. 1,238,402; Aug. 28; v. 241; p. 1027.
- Hahn, John N., Cleveland, Ohio. Dual-facing machine for corrugated paper-board. No. 1,228,430; June 5; v. 239; p. 19.
- Hahne, Fred H., Chicago, Ill. Rain-alarm. No. 1,245,221; Nov. 6; v. 244; p. 24.
- Hahnemann, Walter, Kitzberg, assignor to Signal Gesellschaft m. b. H., Kiel, Germany. Antenna structure on aeroplanes for wireless signaling. No. 1,219,550; Mar. 20; v. 236; p. 646.
- Haig, Ottar T., Beaumont, and S. A. Lewis, South Braintree, Mass. Jack for shoes. No. 1,232,914; July 10; v. 240; p. 490.
- Haigh, Harry J., New York, N. Y. Multiple pan. No. 1,221,725; Apr. 3; v. 237; p. 250.
- Haigh, Harry J., Stapleton, N. Y. Mixing-machine. No. 1,219,730; Mar. 20; v. 236; p. 707.
- Haigh, Harry J., Stapleton, N. Y. Toy. No. 1,243,287; Oct. 16; v. 243; p. 649.
- Haigh, Joseph A., Sunbury, Pa. Carbureter. No. 1,242,180; Oct. 9; v. 243; p. 267.
- Haigh, Robert W., Manchester, England. Toy or appliance for playing a game. No. 1,229,260; June 12; v. 239; p. 348.
- Haight, James P., Merced, Cal., assignor to Sprague Canning Machinery Company, Chicago, Ill. Rotary can-capper. No. 1,237,897; Aug. 21; v. 241; p. 829.
- Haight, William T., St. Thomas, Ontario, Canada. Ball-racking device for pool-tables. No. 1,231,597; July 3; v. 240; p. 20.
- Hailer, Nellie, Slatington, Pa. Closure for fruit-jars. No. 1,236,294; Aug. 7; v. 241; p. 245.
- Hailman, Hubert V., Gotebo, Okla. Package-fastener. No. 1,234,463; July 24; v. 240; p. 1064.
- Hailwood, Ernest A., Churwell, near Leeds, England. Safety-lamp. No. 1,212,631; Jan. 16; v. 234; p. 844.
- Hain, Leon, Philadelphia, Pa. Detachable heel-section. No. 1,219,551; Mar. 20; v. 236; p. 646.
- Hainert, Frank H., Jr., Minneapolis, Minn. Toy mustache. No. 1,214,028; Jan. 30; v. 234; p. 1392.
- Haines, Annie A. (See Haines, James E., assignor.)
- Haines, Elizabeth, Johnstown, Pa. Attachment for ladies' purses. No. 1,217,171; Feb. 27; v. 235; p. 1074.
- Haines, James E., assignor to A. A. Haines, Toronto, Ontario, Canada. Pneumatic tire. No. 1,233,464; July 17; v. 240; p. 704.
- Haines, Jones & Cadbury. (See Sharp, Joseph W., Jr., assignor.)
- Haines, Jones & Cadbury. (See Sharp and Bacon, assignors.)

Alphabetical list of patentees—Continued.

- Haines, Lewis A., Columbus, Ohio. Gas-turbine. No. 1,219,297; Mar. 13; v. 236; p. 626.
- Haines, Lewis A., Columbus, Ohio. Gas-turbine. No. 1,219,298; Mar. 13; v. 236; p. 626.
- Haines, Luther B. (See Phillips and Haines.)
- Haines, Samuel K., Shubert, Nebr. Trace-holder. No. 1,225,621; May 8; v. 238; p. 573.
- Haines, William D., Haddonfield, N. J. Seed and fertilizer distributor. No. 1,223,967; Apr. 24; v. 237; p. 1139.
- Haines, William D., Haddonfield, N. J. Fertilizer-distributor. No. 1,251,225; Dec. 25; v. 245; p. 937.
- Hains, Edson, Bedford, Ohio. Beehive. No. 1,211,145; Jan. 2; v. 234; p. 263.
- Haiss, Hugo, assignor to The Morgan Engineering Company, Alliance, Ohio. Hydraulic valve. No. 1,233,052; July 10; v. 240; p. 533.
- Haist, Wade. (See Stout and Haist.)
- Hajek, William F., Chicago, Ill. Window construction. No. 1,225,435; May 8; v. 238; p. 511.
- Hake, Charles F., Jr., Cincinnati, Ohio. Constructing can and pail bodies. No. 1,233,345; July 17; v. 240; p. 662.
- Hake, Charles F., Jr., Cincinnati, Ohio. Machine for making bail-attaching ears for sheet-metal cans. No. 1,250,306; Dec. 18; v. 245; p. 615.
- Hake, George, St. Louis, Mo. Garment-supporter. No. 1,225,436; May 8; v. 238; p. 511.
- Hake, George, St. Louis, Mo. Garment-supporter. No. 1,243,061; Oct. 16; v. 243; p. 583.
- Hake, Lewis F., Canton, Ohio. Cooking device. No. 1,242,181; Oct. 9; v. 243; p. 267.
- Hakes, Hudson W., Millbury, Mass. Loom-shuttle. No. 1,220,742; Mar. 27; v. 236; p. 1099.
- Hakes, Hudson W., Millbury, Mass. Self-threading shuttle. No. 1,221,048; Apr. 3; v. 237; p. 15.
- Halata, Joseph J., Schulenburg, Tex. Smoking device. No. 1,249,073; Dec. 4; v. 245; p. 187.
- Halbert, Everett M., Battle Creek, Mich. Transmission-gear for automobiles. No. 1,212,210; Jan. 16; v. 234; p. 693.
- Halbleib, Edward A. (See Williams and Halbleib.)
- Halbleib, Edward A., assignor to North East Electric Company, Rochester, N. Y. Electric switch. No. 1,231,732; July 3; v. 240; p. 67.
- Halbleib, Edward A., assignor to North East Electric Company, Rochester, N. Y. Electric motor or generator. No. 1,238,666; Aug. 28; v. 241; p. 1111.
- Halbleib, Edward A., and T. L. Lee, assignors to North East Electric Company, Rochester, N. Y. Electric-circuit controller. No. 1,238,667; Aug. 28; v. 241; p. 1112.
- Halbleib, Edward A., Rochester, N. Y., and F. F. Dorsey, Winchester, Mass., assignors to North East Electric Company, Rochester, N. Y. Electric starting and generating apparatus. No. 1,220,101; Mar. 20; v. 236; p. 837.
- Halbrohr, Joseph. (See Bartholomew, Ohmer H., assignor.)
- Halby, Viggo G., Marquette, assignor to Eureka Mucking & Engineering Company, Crystal Falls, Mich. Loader. No. 1,244,199; Oct. 23; v. 243; p. 960.
- Haldeman, Clarence E., Alhambra, Cal. Automatic organ and the like. No. 1,238,288; Aug. 28; v. 241; p. 990.
- Haldeman, Delbert D., Aberdeen, S. D. Hose-coupling lock. No. 1,249,074; Dec. 4; v. 245; p. 187.
- Haldeman, Morris A. (See Schneebeli, Hellick, and Haldeman.)
- Hale, Albert E., Tucson, Ariz. Headlight. No. 1,244,200; Oct. 23; v. 243; p. 960.
- Hale, Clyde H. (See Matz and Hale.)
- Hale, Edward T., San Diego, Cal. Baby-holding attachment for vehicles. No. 1,215,652; Feb. 13; v. 235; p. 448.
- Hale, Frank A., Chicago, Ill. Memorandum-calendar. No. 1,211,574; Jan. 9; v. 234; p. 444.
- Hale, Frederick M., Bromley, England. Explosive shell or similar body. No. 1,224,163; May 1; v. 238; p. 16.
- Hale, Frederick M., Bromley, England. Projectile. No. 1,233,224; July 10; v. 240; p. 589.
- Hale, George S., Tekoa, Wash. Gasolene-strainer. No. 1,229,608; June 12; v. 239; p. 466.
- Hale, Henry S., Philadelphia, Pa. Automobile. No. 1,229,746; June 12; v. 239; p. 511.
- Hale and Kilburn. (See Kunkel, John B., assignor.)
- Hale and Kilburn Company. (See Kilburn, John E., assignor.)
- Hale and Kilburn Company. (See Marsh, Richard B., assignor.)
- Hale and Kilburn Company. (See Stubblebine, Raymond F., assignor.)
- Hale and Kilburn Company. (See Thompson, Clarence L., assignor.)
- Hale and Kilburn Company. (See Von Schlegell, Victor, assignor.)
- Hale, Stephen H., Kansas City, Mo. Gas mixer and burner. No. 1,215,653; Feb. 13; v. 235; p. 448.
- Hale, Stephen H., Kansas City, Mo. Device for and method of mixing gas and air for combustion. No. 1,249,382; Dec. 11; v. 245; p. 306.
- Hale, Walter S. (See Schwartzman, Abraham, assignor.)
- Hales, Henry W., Ridgewood, N. J. Stereoscope. No. 1,230,705; June 19; v. 239; p. 865.
- Hales, Henry W., Ridgewood, N. J. Photographic camera. No. 1,244,978; Oct. 30; v. 243; p. 1234.
- Hales, John F., assignor to H. P. Childress, Memphis, Tenn. Bale-tie buckle. No. 1,251,226; Dec. 25; v. 245; p. 937.
- Hales, Samuel W., Pittsburgh, Pa. Window-shade attachment. No. 1,217,443; Feb. 27; v. 235; p. 1169.
- Haley, Bertha R., Wellston, Okla. Fruit-drier. No. 1,216,442; Feb. 20; v. 235; p. 781.
- Haley, George W., and J. T. Brown, Washington, D. C. Dispensing-valve. No. 1,231,733; July 3; v. 240; p. 67.
- Haley, Grover C., Brooksville, Ky. Fowl-holder. No. 1,237,777; Aug. 21; v. 241; p. 793.
- Haley, Michael, assignor of one-half to C. S. Spaulding, Newburyport, Mass. Combination-lock. No. 1,212,767; Jan. 16; v. 234; p. 893.
- Halfaker, John S. (See Painter and Halfaker.)
- Halgren, John P., Kansas City, Mo. Adjustable concrete-form. No. 1,212,211; Jan. 16; v. 234; p. 693.
- Halkyard Manufacturing Company. (See Wakefield, Edward E., assignor.)
- Hall, Abram R., Greeley, Colo. Oilier for die-stocks. No. 1,210,931; Jan. 2; v. 234; p. 191.
- Hall, Alfred, Painesville, Ohio. Stamp-vending machine. No. 1,216,799; Feb. 20; v. 235; p. 904.
- Hall, Alfred, Painesville, Ohio. Coin-controlled apparatus. No. 1,220,102; Mar. 20; v. 236; p. 838.
- Hall, Alonzo W., Plymouth, Ohio. Driving-gearing for vehicles. No. 1,230,153; June 19; v. 239; p. 681.
- Hall, Arthur J. (See Simmon and Hall.)
- Hall, Arthur J. (See Storer and Hall.)
- Hall, Arthur J., Hartford, Conn. Ornamental lampshade. No. 1,214,156; Jan. 30; v. 234; p. 1433.
- Hall, Arthur J., Kansas City, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,229,444; June 12; v. 239; p. 409.
- Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control apparatus. No. 1,229,445; June 12; v. 239; p. 410.
- Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Regulating device. No. 1,232,915; July 10; v. 240; p. 490.
- Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,233,346; July 17; v. 240; p. 663.
- Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,241,567; Oct. 2; v. 243; p. 10.
- Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control apparatus. No. 1,244,491; Oct. 30; v. 243; p. 1087.
- Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,244,492; Oct. 30; v. 243; p. 1087.
- Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Regenerative control system. No. 1,245,222; Nov. 6; v. 244; p. 24.
- Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,245,223; Nov. 6; v. 244; p. 25.
- Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,246,421; Nov. 13; v. 244; p. 413.
- Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of distribution. No. 1,248,484; Dec. 4; v. 245; p. 16.
- Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control apparatus. No. 1,249,746; Dec. 11; v. 245; p. 411.
- Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system for electric motors. No. 1,249,747; Dec. 11; v. 245; p. 412.
- Hall, Arthur J., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control apparatus. No. 1,249,748; Dec. 11; v. 245; p. 412.
- Hall, Arthur J., and L. G. Riley, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Accelerator and system of control. No. 1,229,443; June 12; v. 239; p. 409.
- Hall, Arthur J., and L. G. Riley, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Accelerator and system of control. No. 1,229,446; June 12; v. 239; p. 410.
- Hall, Arthur J., and L. G. Riley, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. System of control. No. 1,231,598; July 3; v. 240; p. 20.
- Hall, Benjamin K., Merrimac, Mass. Shock-absorber. No. 1,215,269; Feb. 6; v. 235; p. 274.
- Hall, Benjamin K., Merrimac, assignor of one-half to B. T. Pickard, Haverhill, Mass. Signaling device for motor-vehicles. No. 1,234,157; July 24; v. 240; p. 964.
- Hall, Bertie R., Outlook, Saskatchewan, Canada. Vacuum-cleaner. No. 1,216,229; Feb. 13; v. 235; p. 653.
- Hall-Borchert Dress Form Company. (See Granger, Frank B., assignor.)
- Hall-Borchert Dress Form Company. (See Robinson, George O., assignor.)
- Hall-Borchert Dress Form Company. (See Vandergriff, James M., assignor.)
- Hall, Calvin F., Athens, Ill. Joist or beam support or anchor. No. 1,229,070; June 5; v. 239; p. 233.
- Hall, Cassius G., assignor to E. A. Tinsworth, Adams Center, N. Y. Marlinespike. No. 1,212,345; Jan. 16; v. 234; p. 743.

- Hall, Charles O., New York, N. Y. Signaling device for road-vehicles. No. 1,241,373; Sept. 25; v. 242; p. 935.
- Hall, Charles R. (See Janes, Jesse, assignor.)
- Hall, Charles S., Sandcoulee, Mont. Automobile steering-wheel. No. 1,225,622; May 8; v. 238; p. 573.
- Hall, Chester I., assignor to Chicago Electric Meter Company, Chicago, Ill. Maximum-demand-indicating instrument. No. 1,214,029; Jan. 30; v. 234; p. 1392.
- Hall, Chester I., assignor to Chicago Electric Meter Company, Chicago, Ill. Maximum-demand recorder. No. 1,217,301; Feb. 27; v. 235; p. 1118.
- Hall, Chester I., assignor to Chicago Electric Meter Company, Chicago, Ill. Electricity-measuring instrument and timing device therefor. No. 1,217,302; Feb. 27; v. 235; p. 1119.
- Hall, Chester I., assignor to Chicago Electric Meter Company, Chicago, Ill. Printing mechanism for meters. No. 1,234,384; Apr. 24; v. 237; p. 933.
- Hall, Chester I., Fort Wayne, Ind., assignor to Chicago Electric Meter Company, Chicago, Ill. System for recording meter operations. No. 1,212,443; Apr. 3; v. 237; p. 155.
- Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Electrical instrument. No. 1,234,464; July 24; v. 240; p. 1064.
- Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Electric motor. No. 1,234,465; July 24; v. 240; p. 1065.
- Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Motor device of the induction type. No. 1,234,466; July 24; v. 240; p. 1065.
- Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Power-factor meter. No. 1,240,710; Sept. 18; v. 242; p. 692.
- Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Talking-machine. No. 1,240,711; Sept. 18; vol. 242; p. 693.
- Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Making composite bimetallic articles. No. 1,250,862; Dec. 18; v. 245; p. 781.
- Hall, Chester P., Maywood, assignor, by mesne assignments, to H. Noteboom, Chicago, Ill. Automatic fire-escape signal. No. 1,246,915; Nov. 20; v. 244; p. 596.
- Hall, Clarence. (See Paul and Hall.)
- Hall, Cyrus M., Houston, Tex. Container. No. 1,217,303; Feb. 27; v. 235; p. 1119.
- Hall, Edward, Rutherford, assignor to Jersey City Printing Company, Jersey City, N. J. Plural-image device. No. 1,218,082; Mar. 6; v. 236; p. 67.
- Hall, Edward, Rutherford, assignor to Jersey City Printing Company, Jersey City, N. J. Plural-image device. No. 1,219,731; Mar. 20; v. 236; p. 708.
- Hall, Edward J. (See Comings and Hall.)
- Hall, Edward M., Carthage, N. Y. Bur for treating grindstones. No. 1,219,299; Mar. 13; v. 236; p. 527.
- Hall, Elbert J., Berkeley, Cal. Variable-speed gearing. No. 1,212,346; Jan. 16; v. 234; p. 743.
- Hall, Elbert J., West Berkeley, Cal. Carbureter. No. 1,212,478; Jan. 16; v. 234; p. 788.
- Hall, F. D. (See Oldham, Herschel, assignor.)
- Hall, Frank A. (See McIntosh, Burnett, assignor.)
- Hall, Frank C., Hartford, N. Y. Silo. No. 1,240,135; Sept. 11; v. 242; p. 475.
- Hall, Frank D., Los Angeles, Cal. Automobile-sleeper. No. 1,243,288; Oct. 16; v. 243; p. 650.
- Hall, George C., and A. Bradshaw, Calgary, Alberta, Canada. Valve for pipes for the conduction of liquid and gaseous fluids. No. 1,222,758; Apr. 17; v. 237; p. 689.
- Hall, George F., Providence, R. I. Unitary cigarette and match box. No. 1,214,456; Jan. 30; v. 234; p. 1536.
- Hall, Harry, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Detachable covering for exposed edges. No. 1,211,439; Jan. 9; v. 234; p. 398.
- Hall, Hartwell & Co. (See McKay, Joseph, assignor.)
- Hall, Harvey B., Champaign, Ill. Rail-fastener. No. 1,249,383; Dec. 11; v. 245; p. 307.
- Hall, Herbert S., Rochester, N. Y. Gravity-controlled valve. No. 1,236,164; Aug. 7; v. 241; p. 204.
- Hall, Herbert W., Zurich, Switzerland. Apparatus for emptying superphosphate reaction-chambers. No. 1,232,295; July 3; v. 240; p. 254.
- Hall, Howard W. (See Norwood, Harry G., assignor.)
- Hall, James A., Liberty Mills, assignor of one-half to W. K. Burwell, Churubusco, Ind. Nut-lock. No. 1,238,012; Aug. 21; v. 241; p. 867.
- Hall, James F., Anniston, Ala. Cover for service-boxes or the like. No. 1,224,534; May 1; v. 238; p. 150.
- Hall, James T., assignor of one-third to Bunting Iron Works and one-third to G. T. Mountford, Coalinga, Cal. Safety appliance for elevators. No. 1,212,347; Jan. 16; v. 234; p. 744.
- Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Electric switch. No. 1,211,440; Jan. 9; v. 234; p. 399.
- Hall, Jay H., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Electric switch. No. 1,214,779; Feb. 6; v. 235; p. 103.
- Hall, Jay H., Cleveland, Ohio, assignor, by mesne assignments, to The Electric Controller & Manufacturing Company. Electric switch. No. 1,235,684; Aug. 7; v. 241; p. 49.
- Hall, Jay H., Morganton, N. C., assignor to The Electric Controller and Manufacturing Company, Cleveland, Ohio. Electric controller. (Reissue.) No. 14,394; Nov. 13; v. 244; p. 537.
- Hall, John A., East Orange, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Spark-coil. No. 1,219,300; Mar. 13; v. 236; p. 527.
- Hall, John B., Philadelphia, Pa. Fastening device for doors. No. 1,234,158; July 24; v. 240; p. 964.
- Hall, John B., assignor to Addressograph Company, Chicago, Ill. Printing device. No. 1,243,289; Oct. 16; v. 243; p. 650.
- Hall, John E. (See Cisco and Hall.)
- Hall, John H., New York, N. Y., assignor to Taylor Wharton Iron & Steel Company, High Bridge, N. J. Producing steel in side-blown converters. No. 1,249,075; Dec. 4; v. 245; p. 187.
- Hall, Joseph S., Beeville, Tex. Filler for a cotton-gin press-block. No. 1,219,301; Mar. 13; v. 236; p. 528.
- Hall, Joseph W., Virginia, Ill. Halter-lead. No. 1,239,591; Sept. 11; v. 242; p. 306.
- Hall, Lewis T. (See Tuttle and Hall.)
- Hall, Lincoln, Los Angeles, Cal. Label-holder. No. 1,229,948; June 12; v. 239; p. 577.
- Hall, Lincoln, Los Angeles, Cal. Label-holder. No. 1,233,873; July 17; v. 240; p. 836.
- Hall Manufacturing Company. (See Jenney and Langer, assignors.)
- Hall, Miles G. (See Mizell and Hall.)
- Hall Motor Fuel. (See Dunham, Henry V., assignor.)
- Hall, Peter P. G., Philadelphia, Pa., and G. F. Matteson, Rockyhill, Conn. Thread-milling fixture. No. 1,232,296; July 3; v. 240; p. 254.
- Hall Printing Press Company. (See White, Joseph, assignor.)
- Hall, Ray E. (See Mullen and Hall.)
- Hall, Ray E., assignor of one-half to C. A. Robertson, Ann Arbor, Mich. Recorder. No. 1,213,356; Jan. 23; v. 234; p. 1131.
- Hall, Robert O. D., and H. A. Duxbury, Wigan, England. Device for fastening or securing ropes, rope handles, cords, and the like. No. 1,225,623; May 8; v. 238; p. 573.
- Hall, Rupert E., Philadelphia, Pa. Articulator. No. 1,218,178; Mar. 6; v. 236; p. 100.
- Hall, Rupert E., Houston, Tex. Dental occluding-frame. No. 1,222,203; Apr. 10; v. 237; p. 452.
- Hall, Samuel N., Memphis, Tenn. Hydraulic bed. No. 1,212,479; Jan. 16; v. 234; p. 789.
- Hall, Samuel N., Memphis, Tenn. Bit-brace. No. 1,212,481; Jan. 16; v. 234; p. 790.
- Hall, Samuel N., Memphis, Tenn., and C. M. Petersen, Washington, D. C., assignors to said Samuel N. Hall. Bit-brace. No. 1,212,480; Jan. 16; v. 234; p. 789.
- Hall, Stephen C. W., et al. (See Hand, Levi, assignor.)
- Hall Switch & Signal Company, The. (See Coleman, Clyde J., assignor.)
- Hall Switch & Signal Company, The. (See Day, Albert V. T., assignor.)
- Hall, Thomas, assignor to Ridgway Dynamo & Engine Company, Ridgway, Pa. Packing. No. 1,233,347; July 17; v. 240; p. 653.
- Hall, Thomas W., et al. (See Renzo, Francesco, assignor.)
- Hall-Thompson Company, The. (See Thompson, Henry C., assignor.)
- Hall, Vaughn S., et al. (See Renzo, Francesco, assignor.)
- Hall, William A., New York, N. Y. Device for projecting burning liquids. No. 1,220,103; Mar. 20; v. 236; p. 838.
- Hall, William A., New York, N. Y. Hydrocarbon product. No. 1,239,099; Sept. 4; v. 242; p. 121.
- Hall, William A., New York, N. Y. Liquid fuel. No. 1,239,100; Sept. 4; v. 242; p. 122.
- Hall, William A., New York, N. Y. Production of motor-spirit from heavy hydrocarbons. No. 1,242,795; Oct. 9; v. 243; p. 462.
- Hall, William A., New York, N. Y. Producing motor-fuel. No. 1,242,796; Oct. 9; v. 243; p. 462.
- Hall, William A., New York, N. Y. Distillation of heavy oils, oil-residues, and bitumens. No. 1,247,671; Nov. 27; v. 244; p. 845.
- Hall, William F., deceased, Newton, Mass.; W. F. Hall, executrix. Trolley-car. No. 1,219,098; Mar. 13; v. 236; p. 458.
- Hall, William G., Spray, N. C. Chair. No. 1,243,402; Oct. 16; v. 243; p. 682.
- Hall, William H., assignor to The Pedlar People Limited, Oshawa, Ontario, Canada. Metallic shingle. No. 1,218,399; Mar. 6; v. 236; p. 177.
- Hall, Winifred F., executrix. (See Hall, William F.)
- Halladay, Lewis P., Streator, Ill. Shock-absorber. No. 1,240,441; Sept. 18; vol. 242; p. 611.
- Halladay, Lewis P., Streator, Ill. Shock-absorber. No. 1,243,599; Oct. 16; v. 243; p. 741.
- Hallam-Rice Co. (See Sawyer, Asa L., assignor.)
- Hallas, James G., Kenosha, Wis. Machine-chuck. No. 1,242,182; Oct. 9; v. 243; p. 267.
- Hallberg, Claus W., Chicago, Ill. Telephone-conductor. No. 1,247,672; Nov. 27; v. 244; p. 845.
- Halldorson, Halldor K., Edinburg, N. D. Belt thrower and guide. No. 1,217,304; Feb. 27; v. 235; p. 1119.
- Halldorson, Thomas E., Chicago, Ill. Photographic-printing machine. No. 1,228,912; June 5; v. 239; p. 183.
- Hallenbeck, Charles W. (See Havens, Elmer H., assignor.)

Alphabetical list of patentees—Continued.

- Hallenbeck, George E., assignor to Baker Brothers, Toledo, Ohio. Machine-tool-controlling mechanism. No. 1,235,314; July 31; v. 240; p. 1360.
- Hallenbeck, George E., assignor to Baker Brothers, Toledo, Ohio. Multiple-speed machine-tool. No. 1,240,136; Sept. 11; v. 242; p. 475.
- Haller, Henry E., Pittsburgh, Pa. Pipe-joint. No. 1,246,091; Nov. 13; v. 244; p. 313.
- Haller, John H., Bucklin, Kans. Lath-holder. No. 1,221,317; Apr. 3; v. 237; p. 112.
- Haller, Pearl M., Bay City, Mich. Fire-extinguisher. No. 1,225,624; May 8; v. 238; p. 573.
- Halley, Henry W., Hutchinson, Kans. Insole. No. 1,236,427; Aug. 14; v. 241; p. 320.
- Halliburton, Orville G., Chicago, Ill. Oil-burner. No. 1,218,647; Mar. 13; v. 236; p. 299.
- Halliday, Harry L., Elmira, N. Y. Spool. No. 1,213,630; Jan. 23; v. 234; p. 1225.
- Halliday, Marion B., Walkill, N. Y. Suspended clothes-drier. No. 1,210,932; Jan. 2; v. 234; p. 191.
- Halliwel, John J., assignor to R. Hoe and Co., New York, N. Y. Printing-surface. No. 1,248,319; Nov. 27; v. 244; p. 1029.
- Halliwel, Reginald F., Rugby, England, assignor to General Electric Company. Feed-pump regulator. No. 1,250,863; Dec. 18; v. 245; p. 781.
- Halliwel, Thomas, Eccles, near Manchester, England. Apparatus for conditioning or damping yarns or threads. No. 1,249,384; Dec. 11; v. 245; p. 307.
- Halliwel, William B., Saugatuck, Conn. Single-rail spike driving and drawing machine. No. 1,231,253; June 26; v. 239; p. 1088.
- Hallner, John A., Turlock, Cal. Front-wheel mounting and steering attachment. No. 1,234,014; July 17; v. 240; p. 881.
- Hallock, Arthur T., Two Rivers, Wis. Apparatus for sorting lumber, strips of material, or other articles according to size. No. 1,245,584; Nov. 6; v. 244; p. 134.
- Hallock, Daniel Y., York, Pa. Bob-sled. No. 1,212,212; Jan. 16; v. 234; p. 693.
- Hallock, Howard B., (See Blatz and Hallock.)
- Hallock, Richard A., Kansas City, Mo. Game-board. No. 1,215,799; Feb. 13; v. 235; p. 498.
- Hallock, Roscoe S., Niles, Ohio. Apparatus for injecting saline and other solutions. No. 1,223,274; Apr. 17; v. 237; p. 862.
- Halloran, Mike, *et al.* (See Olsen, Alfred N., assignor.)
- Hallstream, Henning, Brockton, Mass., assignor to Cross Paper Feeder Company. Paper-feeding machine. No. 1,237,032; Aug. 14; v. 241; p. 518.
- Hallstream, Henning, Brockton, Mass., assignor to Cross Paper Feeder Company, Portland, Me. Paper-feeding machine. No. 1,246,264; Nov. 13; v. 244; p. 365.
- Hallwood, Henry S., Columbus, Ohio. Mortising-machine. No. 1,225,625; May 8; v. 238; p. 574.
- Halme, William T., Syracuse, N. Y. Sewing-machine attachment. No. 1,244,201; Oct. 23; v. 243; p. 960.
- Halpern, Adolf. (See Kleinschmidt, Halpern, and Pospischil.)
- Halseth, Ed. (See Cavanaugh, Dennie, assignor.)
- Halsey, Francis A., assignor of one-fourth to C. Hamilton, Philadelphia, Pa. Composition of matter for use as a rubber substitute. No. 1,223,692; Apr. 24; v. 237; p. 1045.
- Halsig, Joseph, Viersen, Germany. Machine for bagging and weighing granular and powdery substances, particularly cocoa-powder. No. 1,219,302; Mar. 13; v. 236; p. 528.
- Halstead, Grant, Orlando, Nebr. Post-puller. No. 1,219,303; Mar. 13; v. 236; p. 528.
- Halstead, John F., Brooklyn, assignor to Wahlstrom Tool Company, New York, N. Y. Chuck. No. 1,250,864; Dec. 18; v. 245; p. 782.
- Halstead, Stanley M., San Jose, Cal. Pump mechanism. No. 1,228,770; June 5; v. 239; p. 136.
- Halterbeck, John, assignor to G. Piel, New York, N. Y. Abrading-machine. No. 1,212,213; Jan. 16; v. 234; p. 694.
- Halterbeck, John, assignor to G. Piel, New York, N. Y. Abrading-machine. No. 1,212,214; Jan. 16; v. 234; p. 694.
- Halterbeck, John, assignor to G. Piel, New York, N. Y. Woodworking-machine. No. 1,234,015; July 17; v. 240; p. 881.
- Halterbeck, John, assignor to G. Piel, New York, N. Y. Woodworking-machine. No. 1,234,016; July 17; v. 240; p. 882.
- Halterman, John W., Willows, Cal. Rotary razor. No. 1,247,828; Nov. 27; v. 244; p. 892.
- Halton, Harold S., Ridgeway, Ontario, Canada. Station-indicator. No. 1,220,509; Mar. 27; v. 236; p. 1019.
- Haluska, Stefan, Johnstown, Pa. Clothes-boiler. No. 1,239,686; Sept. 11; v. 242; p. 337.
- Halvorsen, Arthur L., Perth Amboy, N. J., assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Making amalgams. No. 1,243,062; Oct. 16; v. 243; p. 583.
- Halvorsen, Severin, assignor to The Newspaper Stuffing Machines Company, Seattle, Wash. Paper counting and delivering mechanism. No. 1,232,422; July 3; v. 240; p. 293.
- Halvorsen, Severin, assignor to The Newspaper Stuffing Machines Company, Seattle, Wash. Newspaper-stuffing machine. No. 1,232,423; July 3; v. 240; p. 293.
- Halvorsen, Severin, assignor to The Newspaper Stuffing Machines Company, Seattle, Wash. Paper-opening device for newspaper-stuffing machines. No. 1,234,897; July 31; v. 240; p. 1232.
- Halvorsen, Severin, assignor to The Newspaper Stuffing Machines Company, Seattle, Wash. Paper-feeding mechanism. No. 1,235,518; July 31; v. 240; p. 1421.
- Halvorsen, Cromwell A. B., Jr., Saugus, and W. L. Harra-den, Lynn, Mass., assignors to General Electric Company. Arc-lamp. No. 1,215,147; Feb. 6; v. 235; p. 231.
- Halvorsen, Cromwell A. B., Jr., Lynn, Mass., assignor to General Electric Company. Arc-lamp. No. 1,237,033; Aug. 14; v. 241; p. 519.
- Halverson, Henry O., Burr, Minn. Animal-trap. No. 1,251,367; Dec. 25; v. 245; p. 980.
- Halverson, Mathias, Hubbard, Oreg. Lock. No. 1,221,534; Apr. 3; v. 237; p. 187.
- Ham, Joseph A., Apalachicola, Fla. Turpentine-scraper. No. 1,211,441; Jan. 9; v. 234; p. 399.
- Ham, Madison, Glen Cove, N. Y. Damper-lock and indicator. No. 1,244,198; Oct. 23; v. 243; p. 959.
- Ham, Philip W., (See Beardsley and Ham.)
- Hamann, Albert L., (See Hummel, Ernest A., assignor.)
- Hamann, Charles, Brooklyn, N. Y. Bottle-washer. No. 1,241,508; Oct. 2; v. 243; p. 11.
- Hamann, Christel, Friedenau, near Berlin, assignor to The Ch. Hamann Mathematische Mechanisches Institut G. m. b. H. Berlin, Germany. Calculating-machine. No. 1,221,318; Apr. 3; v. 237; p. 112.
- Hamberger, Franz. (See Brückner and Hamberger.)
- Hamblen, Charles, *et al.* (See Geisendorff, Frederick M., assignor.)
- Hamblen, David, Jr., Newton, Mass. Wind instrument. No. 1,222,285; Apr. 10; v. 237; p. 481.
- Hamblet, Abel M., Winchester, Mass. Composition for leavening dough. No. 1,213,357; Jan. 23; v. 234; p. 1132.
- Hamblet, Abel M., Winchester, Mass. Leavening dough and batter. No. 1,236,428; Aug. 14; v. 241; p. 320.
- Hambrecht, George P., *et al.* (See McGirr, John, assignor.)
- Hambright, Frank, *et al.* (See Harris, Richard G., assignor.)
- Hambright, George A., Mount Vernon, N. Y. Illuminated music-lyre. No. 1,243,600; Oct. 16; v. 243; p. 742.
- Hambuechen, Carl, Belleville, assignor to American Carbon & Battery Co., East St. Louis, Ill. Hand-lamp. No. 1,223,869; Apr. 24; v. 237; p. 1106.
- Hambuechen, Carl, Belleville, assignor to American Carbon & Battery Company, East St. Louis, Ill. Battery. No. 1,224,376; May 1; v. 238; p. 94.
- Hambuechen, Carl, Belleville, Ill., assignor to C. F. Burgess Laboratories, Madison, Wis. Tamping-machine. No. 1,232,297; July 3; v. 240; p. 255.
- Hamburger, Mary J., Bayport, N. Y. Self-cleaning rake. No. 1,234,755; July 31; v. 240; p. 1189.
- Hameister, Henry A., Elkhart Lake, Wis. Liquid dressing for leather. No. 1,214,157; Jan. 30; v. 234; p. 1434.
- Hamel, Charles A., and F. E. Valois, Haverhill, assignors to Hamel Shoe Machinery Company, Lynn, Mass. Support for shoe-machines. No. 1,229,609; June 12; v. 239; p. 466.
- Hamel, Louis C., Appleton, Wis. Concrete-mixer. No. 1,223,385; Apr. 24; v. 237; p. 934.
- Hamel Shoe Machinery Company. (See Hamel and Valois, assignors.)
- Hamel Shoe Machinery Company. (See Valois, Felix E., assignor.)
- Hamel Shoe Machinery Company. (See Webster, Edwin A., assignor.)
- Hamer, William D. (See Mueller and Hamer.)
- Hamerstadt, William D., Indianapolis, Ind. Paper pulley. No. 1,223,165; Apr. 17; v. 237; p. 828.
- Hamerstrom, William E. (See Ericson, George W., assignor.)
- Hamill, Edward F., Chicago, Ill. Switching device. No. 1,218,552; Mar. 6; v. 236; p. 229.
- Hamill, James, Honolulu, Hawaii. Separation of impurities from liquids by centrifugal force. No. 1,224,164; May 1; v. 238; p. 17.
- Hamill, Rot O., *et al.* (See Phillips, Newton E., assignor.)
- Hamill, William W., Glasgow, Scotland. Liquid-meter. No. 1,221,726; Apr. 3; v. 237; p. 251.
- Hamilton, Ashton, Brockton, Mass. Flexible molding. No. 1,221,444; Apr. 3; v. 237; p. 156.
- Hamilton-Bacon Sign Company. (See Bacon, William M., assignor.)
- Hamilton, Belton T., Church End, Finchley, England. Carbureter. No. 1,234,756; July 31; v. 240; p. 1189.
- Hamilton-Brown Shoe Company. (See Julow, Spathelf, and Sehl, assignors.)
- Hamilton, Cameron G., assignor of one-half to C. K. Sturtevant, Seattle, Wash. Direction-indicator for vehicles. No. 1,217,759; Feb. 27; v. 235; p. 1279.
- Hamilton, Charles. (See Halsey, Francis A., assignor.)
- Hamilton, Charles A., assignor to Alabama Pipe & Foundry Company, Anniston, Ala. Double-core arbor for pipe-fittings and the like. No. 1,237,510; Aug. 21; v. 241; p. 707.
- Hamilton, Ed., *et al.* (See Walter, Ira D., assignor.)
- Hamilton, Eddie H., Washington, D. C. Bracket and support for shades, curtains, draperies, and the like. No. 1,248,320; Nov. 27; v. 244; p. 1030.

- Hamilton, Edward E., Northboro, Mass. Ribbon-holder. No. 1,221,172; Apr. 3; v. 237; p. 60.
- Hamilton, Edward E., Northboro, Mass. Hinge member for barrettes and the like. No. 1,243,834; Oct. 23; v. 243; p. 852.
- Hamilton, Frank A., *et al.*, executors. (See Furnas, Robert W.)
- Hamilton, Frank C., assignor to Eureka Projector Device Co., Inc., New York, N. Y. Shutter for motion-picture-projecting apparatus having interlocking parts and means for maintaining the parts in assembled relation and for mounting the shutter on a projecting apparatus. No. 1,214,301; Jan. 30; v. 234; p. 1486.
- Hamilton, Frank C., assignor to Eureka Projector Device Co., Inc., New York, N. Y. Motion-picture apparatus. No. 1,244,728; Oct. 30; v. 243; p. 1160.
- Hamilton, Frederick, Providence, R. I., and H. H. Styll, assignors to American Optical Company, Southbridge, Mass. Lens-clip. No. 1,250,703; Dec. 13; v. 245; p. 733.
- Hamilton, Guy A., Leavenworth, Wash. Post-office box. No. 1,249,952; Dec. 11; v. 245; p. 472.
- Hamilton Hammer Company. (See Hamilton, James, assignor.)
- Hamilton, Harry, Lebanon, Ind. Double-acting pump. No. 1,240,712; Sept. 13; v. 242; p. 693.
- Hamilton, Harry W. (See Bamford and Hamilton.)
- Hamilton, Harry W., Indianapolis, Ind. Vacuum power device. No. 1,219,938; Mar. 20; v. 236; p. 780.
- Hamilton, Hugh R., Webster, Mass. Cutter-sharpening device. No. 1,244,493; Oct. 30; v. 243; p. 1088.
- Hamilton, Hugh R., Webster, Mass., assignor to R. W. Milzner, Montreal, Canada. Holder for sewing-machine bobbins, &c. No. 1,225,952; May 15; v. 238; p. 727.
- Hamilton, James, Brooklyn, assignor to Hamilton Hammer Company, Inc., New York, N. Y. Valve-gear. No. 1,220,330; Mar. 27; v. 236; p. 957.
- Hamilton, James, Brooklyn, assignor to Hamilton Hammer Company, Inc., New York, N. Y. Valve-gear for power-hammers. No. 1,220,331; Mar. 27; v. 236; p. 957.
- Hamilton, James B., Imperial, Cal. Ditcher. No. 1,233,874; July 17; v. 240; p. 836.
- Hamilton, James E. (See Smith, Martin V., assignor.)
- Hamilton, Jay B. (See Neill and Hamilton.)
- Hamilton, John A., *et al.* (See Currier, Harry, assignor.)
- Hamilton, John D., Enfield, England. Hand-grenade and like percussive bomb. No. 1,236,295; Aug. 7; v. 241; p. 245.
- Hamilton, John R., Yonkers, assignor to Sypho-Chemical Sprinkler Corporation, Croton-on-Hudson, N. Y. Automatically-locking shut-off valve. No. 1,222,397; Apr. 10; v. 237; p. 520.
- Hamilton, John R., Yonkers, assignor to Sypho-Chemical Sprinkler Corporation, Croton-on-Hudson, N. Y. Chemical fire-extinguishing apparatus. No. 1,242,102; Oct. 2; v. 243; p. 201.
- Hamilton, John R., Yonkers, assignor to Automatic Sprinkler Company of America, New York, N. Y. Dry valve for automatic sprinkler systems. No. 1,241,847; Oct. 2; v. 243; p. 121.
- Hamilton, Lelia F., *et al.*, executors. (See Furnas, Robert W.)
- Hamilton, Malcolm A., Waltham, Mass. Device for proofing dough. No. 1,214,302; Jan. 30; v. 234; p. 1487.
- Hamilton Manufacturing Company. (See Bamford and Hamilton, assignors.)
- Hamilton Manufacturing Company. (See Hood, Anderson, Feters, McGlinchey, Gagnon, and Kidder, assignors.)
- Hamilton, Richard C., Inverness, Nova Scotia, Canada. Incubator. No. 1,225,953; May 15; v. 238; p. 727.
- Hamilton, Robert F., Wheeling, W. Va. Trolley-wire hanger. No. 1,219,732; Mar. 20; v. 236; p. 708.
- Hamilton, Rush E., Geyserville, Cal., assignor to Hamilton Tractor Company, San Francisco, Cal. Power-interrupting device for tractors. No. 1,220,982; Mar. 27; v. 236; p. 1178.
- Hamilton, Rush E., Geyserville, assignor to Hamilton Tractor Company, San Francisco, Cal. Coupling and steering means for tractors. No. 1,230,293; June 19; v. 239; p. 729.
- Hamilton, Rush E., Geyserville, assignor to Hamilton Tractor Company, San Francisco, Cal. Wheeled farming implement. No. 1,235,891; Aug. 7; v. 241; p. 113.
- Hamilton, Thomas P., assignor to Bauer & Black, Chicago, Ill. Surgical swab. No. 1,229,195; June 5; v. 239; p. 276.
- Hamilton, Thomas S., assignor to Mengel Box Company, Louisville, Ky. Woodworking-tool or barrel-saw. No. 1,234,467; July 24; v. 240; p. 1065.
- Hamilton, Thomas S., assignor to Mengel Box Company, Louisville, Ky. Woodworking-tool. No. 1,234,468; July 24; v. 240; p. 1066.
- Hamilton, Thomas S., and J. A. Moore, assignors to Mengel Box Company, Louisville, Ky. Box-stitching machine. No. 1,232,536; July 10; v. 240; p. 365.
- Hamilton Tractor Company. (See Hamilton, Rush E., assignor.)
- Hamilton, Walter L., assignor to H. C. Avery, Holyoke, Mass. Switch. No. 1,230,089; June 12; v. 239; p. 622.
- Hamilton, Walter L., assignor to B. F. Perkins & Son, Inc., Holyoke, Mass. Dynamometer. No. 1,233,269; July 10; v. 240; p. 601.
- Hamilton, Wesley M., Tampa, Fla. Water-heating attachment. No. 1,245,905; Nov. 6; v. 244; p. 231.
- Hamilton, Wilbur F., *et al.* (See Eckenroth, Philip, assignor.)
- Hamilton, William E., Columbus, Ohio. Coal-handling machine. No. 1,222,286; Apr. 10; v. 237; p. 481.
- Hamilton, William E., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining system. No. 1,244,601; Oct. 30; v. 243; p. 1120.
- Hamilton, William F., Ventura, Cal. Belt-tractor. No. 1,222,546; Apr. 10; v. 237; p. 573.
- Hamilton, William G., Cleburne, Tex. Oil-burner. No. 1,242,183; Oct. 9; v. 243; p. 268.
- Hamilton, William J. (See Miller, Thomas F., assignor.)
- Hamilton, William L., Glasgow, Scotland. System of controlling motors and the like. No. 1,237,329; Aug. 21; v. 241; p. 649.
- Hamlett, James W., Port Lavaca, Tex. Wrench. No. 1,216,308; Feb. 20; v. 235; p. 733.
- Hamlin, Fred J., assignor of one-fourth to M. L. Vining, Kansas City, Mo. Deep-well pumping-cylinder. No. 1,213,358; Jan. 23; v. 234; p. 1132.
- Hamlin Imp-Ervia Co. (See Hamlin, John H., assignor.)
- Hamlin, John H., assignor to Hamlin Imp-Ervia Co., Inc., New York, N. Y. Atomizer. No. 1,243,514; Oct. 16; v. 243; p. 718.
- Hamlin, John H., assignor to Bramhill Deane Company, New York, N. Y. Fruit and vegetable peeling machine. No. 1,244,452; Oct. 23; v. 243; p. 1036.
- Hamm, Bertram C., Boston, Mass. Tread for resilient tires. No. 1,210,933; Jan. 2; v. 234; p. 191.
- Hamm, Leamon, Bangor, Me. Clothes-pin. No. 1,231,016; June 26; v. 239; p. 1009.
- Hamm, Peter, Milwaukee, Wis. Magneto. No. 1,224,535; May 1; v. 238; p. 150.
- Hamm, William S., Hubbard Woods, T. A. Legge, and N. Krohn, assignors to The Adams & Westlake Company, Chicago, Ill. Washstand. No. 1,226,879; May 22; v. 238; p. 1077.
- Hamman, Frank J., assignor of one-half to L. J. Schmitt, Minneapolis, Minn. Lawn-edger. No. 1,249,385; Dec. 11; v. 245; p. 307.
- Hammar, Park G. (See Mahla, Charles A., assignor.)
- Hammel, Charles A., Los Angeles, Cal. Hydrocarbon-burner. No. 1,238,513; Aug. 28; v. 241; p. 1064.
- Hammel, George. (See Blumenthal, Louis, assignor.)
- Hammel, Walter F., assignor, by mesne assignments, to Neostyle Envelope Company, Chicago, Ill. Envelop. No. 1,230,154; June 19; v. 239; p. 681.
- Hammell, Charles A., Los Angeles, Cal. Furnace construction. No. 1,248,321; Nov. 27; v. 244; p. 1030.
- Hammer, Anders O., Williams, Mont. Level. No. 1,224,536; May 1; v. 238; p. 150.
- Hammer, Arthur, Berlin, and F. Eggersdörfer, Charlottenburg, Germany. Ironing-machine. No. 1,220,510; Mar. 27; v. 236; p. 1019.
- Hammer, Arthur, Berlin, and F. Eggersdörfer, Berlin-Charlottenburg, Germany; said Eggersdörfer assignor to said Hammer. Stamping apparatus, in particular for marking articles to be laundered. No. 1,235,565; Aug. 7; v. 241; p. 11.
- Hammer, Charles. (See Kramer and Hammer.)
- Hammer, Charles, New York, assignor to American Metal Cap Co., Brooklyn, N. Y. Top and side seal-closure. No. 1,231,881; July 3; v. 240; p. 117.
- Hammer, Charles, Queens, assignor to American Metal Cap Co., Brooklyn, N. Y. Closure for storage vessels. No. 1,237,640; Aug. 21; v. 241; p. 749.
- Hammer, Charles, Queens, assignor to American Metal Cap Co., Brooklyn, N. Y. Formation of bottle-caps. No. 1,241,509; Oct. 2; v. 243; p. 11.
- Hammer, Charles, Queens, assignor to American Metal Cap Co., Brooklyn, N. Y. Chuck for jar-closures. No. 1,244,494; Oct. 30; v. 243; p. 1088.
- Hammer, Charles, Queens, assignor to American Metal Cap Co., Brooklyn, N. Y. Jar-closure. No. 1,244,495; Oct. 30; v. 243; p. 1088.
- Hammer, Charles, Queens, assignor to American Metal Cap Co., Brooklyn, N. Y. Process jar-closure. No. 1,244,496; Oct. 30; v. 243; p. 1088.
- Hammer, Joseph C. (See Claussen and Hammer.)
- Hammers, David J., Conemaugh, Pa. Nut-lock. No. 1,247,527; Nov. 20; v. 244; p. 770.
- Hammerschmidt, Adolph T., *et al.* (See Landreth, Harry, assignor.)
- Hammersmith, Oscar. (See McKee, Raymond E., assignor.)
- Hammerston, Alyon M., New York, N. Y. Infant's coat. No. 1,249,076; Dec. 4; v. 245; p. 188.
- Hammerstein, Oscar, New York, N. Y. Medical apparatus. No. 1,222,945; Apr. 17; v. 237; p. 752.
- Hammett, Charles A., Washington, D. C. False work for concrete constructions. (Reissue.) No. 1,278; Mar. 27; v. 236; p. 1188.
- Hammett, Edmund J. Y., Philadelphia, Pa. Cluster-top for electric lamps. No. 1,231,882; July 3; v. 240; p. 117.
- Hammett, James W., Eureka, W. Va. Meat-curing process. No. 1,241,374; Sept. 25; v. 242; p. 935.
- Hammett, John F. (See Robinson, Joseph A., assignor.)
- Hammock, Claude S., assignor to The Beaver Company, Buffalo, N. Y. Folding screen. No. 1,244,497; Oct. 30; v. 243; p. 1089.

- Hammock Egg Carrier Company. (See Milliron, Ira A., assignor.)
- Hammond, James H., Vincennes, Ind. Tool and work holder and driver. No. 1,239,268; Sept. 4; v. 242; p. 177.
- Hammond, Francesco. (See Bearce and Jones, assignors.)
- Hammond, Frank S., Medford, Mass. Steam-boiler scraper. No. 1,233,776; July 17; v. 240; p. 804.
- Hammond, Grant, Hartford, Conn., assignor to Dalton Arms Corporation, New York, N. Y. Bayonet. No. 1,237,330; Aug. 21; v. 241; p. 649.
- Hammond, Grant, Hartford, Conn., assignor of one-third to A. C. Washburne, Pittsfield, and one-third to F. G. Crane, Dalton, Mass. Magazine catch and release. No. 1,247,528; Nov. 20; v. 244; p. 770.
- Hammond, John H., Jr., Gloucester, Mass. System of multiple control. No. 1,239,592; Sept. 11; v. 242; p. 306.
- Hammond-Knowlton, Clarence A., New York, N. Y. Container. No. 1,240,045; Sept. 11; v. 242; p. 448.
- Hammond, Lorenzo T., Corvut, Mass. Triple-piston deep-well pump. No. 1,230,155; June 19; v. 239; p. 682.
- Hammond, Mary M., Kansas City, Mo. Tray mechanism. No. 1,229,447; June 12; v. 239; p. 411.
- Hammond, Mary M., Kansas City, Mo. Tray. No. 1,229,448; June 12; v. 239; p. 411.
- Hammond, Myron B., assignor to The Thomas P. Taylor Co., Bridgeport, Conn. Making hose-supporting garters. No. 1,214,543; Feb. 6; v. 235; p. 22.
- Hammond, Phillip W., Columbus, Ohio. Electric signal and damper control. No. 1,225,437; May 8; v. 238; p. 511.
- Hammond, Robert O., assignor to Hammond Safety Auto Lock Co., Paterson, N. J. Combination electric lock-switch. No. 1,215,800; Feb. 13; v. 235; p. 498.
- Hammond, Robert O., assignor, by mesne assignments, to B. Urdang, Paterson, N. J. Combination electric lock-switch. No. 1,220,842; Mar. 27; v. 236; p. 1134.
- Hammond Safety Auto Lock Co. (See Hammond, Robert O., assignor.)
- Hammond, Stanley. (See Biddle, William T., assignor.)
- Hammond, Theodore A. and W. P., Passaic, N. J. Combined switch and lock device. No. 1,212,632; Jan. 16; v. 234; p. 845.
- Hammond Typewriter Company. (See Krusius, Edward, assignor.)
- Hammond, Wilberforce B., Boston, assignor to Pierce-Hammond Automatic Sprinkler & Heating Company, New Bedford, Mass. Automatic sprinkler. No. 1,213,631; Jan. 23; v. 234; p. 1226.
- Hammond, Wilberforce B., Boston, Mass., assignor, by mesne assignments, to Combined Heat and Sprinkler Company. Automatic sprinkler. No. 1,228,553; June 5; v. 239; p. 61.
- Hammond, Wilberforce B., Brookline, Mass., assignor, by mesne assignments, to Combined Heat and Sprinkler Company. Combined heating and sprinkler system. No. 1,229,071; June 5; v. 239; p. 235.
- Hammond, Wilberforce B., Boston, Mass., assignor, by mesne assignments, to Combined Heat and Sprinkler Company. Automatic sprinkler. No. 1,233,777; July 17; v. 240; p. 804.
- Hammond, William P. (See Hammond, Theodore A. and W. P.)
- Hammond, William P. (See Hebig, Henry C., assignor.)
- Hammond, William P., Passaic, N. J. Electrical connector. No. 1,213,632; Jan. 23; v. 234; p. 1226.
- Hammond, William P., Passaic, N. J. Spare-tire holder. No. 1,223,786; Apr. 24; v. 237; p. 1077.
- Hammond, William P., Passaic, N. J. Indicating-signal for vehicles. (Reissue.) No. 1,4367; Sept. 25; v. 242; p. 970.
- Hammond, William P., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-car. No. 1,232,298; July 3; v. 240; p. 255.
- Hammond, William P., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Bumper for shoe-racks. No. 1,232,537; July 10; v. 240; p. 366.
- Hammond, William P., Passaic, N. J., and E. Q. Moses, New York, N. Y. Registering mechanism. No. 1,219,939; Mar. 20; v. 236; p. 781.
- Hammond, William S., Jr., Chicago, Ill., assignor to Consolidated Car-Heating Company, Albany, N. Y. Electric car-heater. No. 1,223,968; Apr. 24; v. 237; p. 1139.
- Hanner, Joseph C. (See Jahn and Hanner.)
- Hanner, Theodosia, Los Angeles, Cal. Strainer. No. 1,239,388; Sept. 4; v. 242; p. 213.
- Hampden, Wellesley R., assignor of one-half to H. A. Broecker, Milwaukee, Wis. Auto radiator-heater and signal-light. No. 1,242,797; Oct. 9; v. 243; p. 463.
- Hampeter, Armin, St. Louis, Mo. Extra-tire carrier. No. 1,240,340; Sept. 18; vol. 242; p. 579.
- Hampton, Roxanna A., New York, N. Y. Lady's powder-puff. No. 1,211,575; Jan. 9; v. 234; p. 444.
- Hampton, Samuel L., Burlington, Iowa. Ironing-board. No. 1,245,906; Nov. 6; v. 244; p. 232.
- Hamric, Grover B., Sleith, W. Va. Automatic stove-sawing machine. No. 1,224,635; May 1; v. 238; p. 185.
- Hamtil, Otto E. (See Diss and Hamtil.)
- Hanama, Tomokichi, Alameda, Cal. Lawn-rake. No. 1,239,687; Sept. 11; v. 242; p. 338.
- Hanau, Rudolph L., assignor to F. L. Stanton, New York, N. Y. Dental surveying apparatus. No. 1,230,156; June 19; v. 239; p. 682.
- Hanauer, Andrew, New York, N. Y. Shade-awning support. No. 1,228,668; June 5; v. 239; p. 99.
- Hanayan, Lawrence R., Kansas City, Mo. Cleaning and polishing composition. No. 1,235,136; July 31; v. 240; p. 1306.
- Hanby, Albert T. (See Henry, Charles E., assignor.)
- Hance, Joseph M. (See Shade and Hance.)
- Hance, William S., Washington, D. C. Clothes-line reel. No. 1,232,299; July 3; v. 240; p. 255.
- Hancock, Clinton S., and G. W. Keller, Portsmouth, Ohio. Automatic derailer. No. 1,219,733; Mar. 20; v. 238; p. 708.
- Hancock, Harry H., Swampscott, Mass. Type-binder. No. 1,228,019; May 29; v. 238; p. 1491.
- Hancock, Harry W. (See Schinkez, Albert, assignor.)
- Hancock, Henry W. (See Angold, Duddell, Dykes, Hancock, and Oliver.)
- Hancock, Horace G., assignor to The North & Judd Manufacturing Company, New Britain, Conn. Bow-rest. No. 1,223,275; Apr. 17; v. 237; p. 862.
- Hancock, James B., Cedaredge, Colo. Beet-lifting machine. No. 1,222,098; Apr. 10; v. 237; p. 414.
- Hancock, James B., Cedaredge, Colo. Beet-topping machine. No. 1,222,099; Apr. 10; v. 237; p. 415.
- Hancock, John, Minneapolis, Minn. Oil-dispensing apparatus. No. 1,215,801; Feb. 13; v. 235; p. 498.
- Hancock, Robt. I. (See Martin, Jerry M., assignor.)
- Hancock, Samuel L., and J. J. Ortner, Oakland, Cal. Switch-box stay. No. 1,246,741; Nov. 13; v. 244; p. 508.
- Hancock, William. (See Walsh and Hancock.)
- Hancock, William H., Excel, Ala. Resilient tire. No. 1,216,988; Feb. 20; v. 235; p. 967.
- Hancock, William T., Anderson, Ind. Draw-grip. No. 1,231,254; June 26; v. 239; p. 1089.
- Hand, Frederick E. (See Berryhill, Hand, and Thomas.)
- Hand, Frederick E., assignor to The Vulcan Plow Company, Evansville, Ind. Adjusting mechanism for plows. No. 1,217,864; Feb. 27; v. 235; p. 1314.
- Hand, Frederick E., assignor to The Vulcan Plow Company, Evansville, Ind. Plow. No. 1,226,510; May 15; v. 238; p. 915.
- Hand, Jay A. (See Kuhn and Hand.)
- Hand, Levi, Minneapolis, Minn., assignor of one-half to S. C. W. Hall, Sioux Falls, S. D., and one-half to A. N. Munson, Minneapolis, Minn. Check-marker. No. 1,221,049; Apr. 3; v. 237; p. 16.
- Hand, Townson, New Haven, Conn. Expansion-bolt. No. 1,220,841; Mar. 27; v. 236; p. 1134.
- Hand, Townson, New Haven, Conn. Nut-lock. No. 1,245,907; Nov. 6; v. 244; p. 232.
- Handelman, Daniel, Minneapolis, Minn. Automatic baseball apparatus. No. 1,223,386; Apr. 24; v. 237; p. 934.
- Handler, Benjamin N., Brooklyn, and A. Alexander, New York, N. Y. Safety-match card. No. 1,232,300; July 3; v. 240; p. 256.
- Handley, George F., Glendale, L. I., assignor to Royal Typewriter Company, Inc., New York, N. Y. Carriage-feed mechanism. No. 1,212,939; Jan. 16; v. 234; p. 950.
- Handley, George F., Glendale, assignor to Royal Typewriter Company, Inc., New York, N. Y. Type-writing machine. No. 1,244,729; Oct. 30; v. 243; p. 1160.
- Handschuck, Frances P., New York, N. Y. Stocking. No. 1,226,208; May 15; v. 238; p. 814.
- Handy, Arthur E., New York, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Spiral gravity-conveyer. No. 1,245,224; Nov. 6; v. 244; p. 25.
- Handy, James O., and R. M. Isham, assignors, by mesne assignments, to Allen S. Davison Company, Pittsburgh, Pa. Refractory and making same. No. 1,248,486; Dec. 4; v. 245; p. 17.
- Handy, Joel B. (See Bratsch, Theodore G., assignor.)
- Handy Manufacturing Company. (See Harter, Marion H., assignor.)
- Hanes, Harvey E. (See Brewer and Hanes.)
- Haney, Burton E., Medford, Oreg. Lawn-hose holder. No. 1,223,276; Apr. 17; v. 237; p. 863.
- Haney, John R. (See Bell-Clifford, Sidney, assignor.)
- Hanff, Edward A., Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Safety device for elevators. No. 1,215,524; Feb. 13; v. 235; p. 398.
- Hanff, Edward A., Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Motor-control system. No. 1,231,599; July 3; v. 240; p. 21.
- Hanff, Edward A., Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Controller. No. 1,241,510; Oct. 2; v. 243; p. 11.
- Hanger, Henry H. and J. E. Jr., Washington, D. C., assignors to J. E. Hanger, Incorporated. Artificial leg. No. 1,247,673; Nov. 27; v. 244; p. 845.
- Hanger, James E., Washington, D. C. Chair. No. 1,228,771; June 5; v. 239; p. 136.
- Hanger, James E., Jr. (See Hanger, Henry H. and J. E. Jr.)
- Hanger, James E., Jr., Washington, D. C., assignor to J. E. Hanger, Incorporated. Artificial leg. No. 1,246,590; Nov. 13; v. 244; p. 464.
- Hanger, James E., Sr., Washington, D. C. Bed. No. 1,242,545; Oct. 9; v. 243; p. 382.
- Hanisch, Albert J., Oak Park, Ill. Blanket for horses. No. 1,239,478; Sept. 11; v. 242; p. 270.

- Hanke, Gustav, Addieville, Ill. Sliding latch. No. 1,247,397; Nov. 20; v. 244; p. 733.
- Hanken, Edward E., Appleton City, Mo. Water-motor. No. 1,227,905; May 29; v. 238; p. 1452.
- Hankins, Cyrus, Roanoke, Va. Car-truck. No. 1,241,375; Sept. 25; v. 242; p. 935.
- Hankinson, Ralph A., De Soto, Kans. Motor-vehicle. No. 1,247,674; Nov. 27; v. 244; p. 846.
- Hankovich, Ivan and W., East Chicago, Ind. Rail tie and fastener. No. 1,216,989; Feb. 20; v. 235; p. 967.
- Hankovich, Ivan and W., East Chicago, Ind. Rail-joint. No. 1,216,990; Feb. 20; v. 235; p. 967.
- Hankovich, Winko. (See Hankovich, Ivan and W.)
- Hanks, Frederick A., Nunhead, London, England. Wind-gage or anemometer. No. 1,236,296; Aug. 7; v. 241; p. 246.
- Hanks, John G., assignor to California Range Finder Company, Oakland, Cal. Instrument for measuring and determining distances. No. 1,219,304; Mar. 13; v. 236; p. 528.
- Hanlein, Isaac G., Newark, N. J. Device for extracting foreign substances from pipes. No. 1,218,764; Mar. 13; v. 236; p. 342.
- Hanley, Herbert R., Winthrop, Cal., assignor to Bully Hill Copper Mining & Smelting Company. Zinc-extraction process. No. 1,241,966; Oct. 2; v. 243; p. 158.
- Hanley, Herbert R., Winthrop, Cal., assignor to Bully Hill Copper Mining & Smelting Company. Electrolytic apparatus. No. 1,241,967; Oct. 2; v. 243; p. 158.
- Hanley, John W., assignor of one-half to K. Hanley, New York, N. Y. Shoe-fastener. No. 1,247,398; Nov. 20; v. 244; p. 733.
- Hanley, Kate. (See Hanley, John W., assignor.)
- Hanley, Patrick F., New York, N. Y. Combined reversible collar and necktie. No. 1,216,563; Feb. 20; v. 235; p. 823.
- Hanley, William L., Jr., Bradford, Pa. Former or die for making hollow tiles. No. 1,234,017; July 17; v. 240; p. 882.
- Hanlon, George, Shawneetown, Ill. Developing and fixing tank for photographic films. No. 1,243,403; Oct. 16; v. 243; p. 683.
- Hanlon, George J., New York, assignor of one-half to W. F. Kurz, Woodhaven, N. Y. Life-saving device. No. 1,244,325; Oct. 23; v. 243; p. 999.
- Hanlon & Goodman Co. (See Robinson, Edward E., assignor.)
- Hanlon, Michael J. (See Houghton, Ralph E., assignor.)
- Hanly, Will T., and T. W. Reese, Mobile, Ala. Tank-supply and flushing apparatus. No. 1,234,898; July 31; v. 240; p. 1233.
- Hann, Walter, Hasbrouck Heights, N. J. Furnace-draft operator. No. 1,210,794; Jan. 2; v. 234; p. 143.
- Hann, William E., assignor to Pullman Couch Company, Chicago, Ill. Convertible furniture. No. 1,216,443; Feb. 20; v. 235; p. 781.
- Hann, William H., Munden, Va. Tire. No. 1,251,017; Dec. 25; v. 245; p. 877.
- Hanna, Charles G., assignor of one-half to A. Slocum, Syracuse, N. Y. Power gear-shifting mechanism. No. 1,221,319; Apr. 3; v. 237; p. 112.
- Hanna, Charles M., Logansport, Ind. Valve. No. 1,247,826; Nov. 27; v. 244; p. 892.
- Hanna Engineering Works. (See Gates, Albert J., assignor.)
- Hanna Engineering Works. (See Gates, Philletus W., assignor.)
- Hanna, George W., Vale, Oreg. Portable dam. No. 1,212,633; Jan. 16; v. 234; p. 845.
- Hanna, Guy C., Plainfield, Ind. Pneumatically-tired wheel. No. 1,243,515; Oct. 16; v. 243; p. 718.
- Hanna, William T., assignor to The Mechanical Construction Company, Cincinnati, Ohio. Locomotive-tender stoker mechanism. No. 1,239,101; Sept. 4; v. 242; p. 122.
- Hannagan, Paul, Lawrence, Mass. Sand, oil, gasoline, and water separator. No. 1,249,749; Dec. 11; v. 245; p. 412.
- Hannah, Charles L. (See Peirce and Hannah.)
- Hannah, Cyril K., assignor of one-half to C. M. Baumgardner, Anaheim, Cal. Adjustable taper bit. No. 1,212,348; Jan. 16; v. 234; p. 744.
- Hannah, Henry K. (See Earp-Thomas, George H., assignor.)
- Hannemann, Robert H., Wausau, Wis. Railway-switch. No. 1,244,849; Oct. 30; v. 243; p. 1195.
- Hanning, T. L., et al. (See Errett, Thomas A., assignor.)
- Hannold, Frank J., Syracuse, N. Y. Hall-rack. No. 1,216,444; Feb. 20; v. 235; p. 781.
- Harnon, Custer L., and C. Cross, Skiatook, Okla. Nut and bolt lock. No. 1,225,626; May 8; v. 238; p. 574.
- Hannon, Luke, Hennessey, Okla. Device for protecting crude-oil tanks. No. 1,229,261; June 12; v. 239; p. 348.
- Hannum, Frank D., Miles City, Mont. Toaster. No. 1,234,159; July 24; v. 240; p. 964.
- Hanot, Alexander L., Fairbanks, Alaska. Drag-bucket apparatus. No. 1,228,554; June 5; v. 239; p. 61.
- Hans Renold, Limited. (See Wellfens, Emile J., assignor.)
- Hans, Thomas, assignor to Mid-West Box Company, Anderson, Ind. Garment-protector. No. 1,216,684; Feb. 20; v. 235; p. 863.
- Hansch, August C., Jersey City, N. J. Automatic-operating camera. No. 1,235,685; Aug. 7; v. 241; p. 49.
- Hanschuld, Aurel, Pittsburgh, Pa. Nut and bolt lock. No. 1,230,891; June 26; v. 239; p. 965.
- Hansen, Albert, Copenhagen, Denmark. Machine for cutting bread, meat, cheese, &c. No. 1,234,540; July 24; v. 240; p. 1088.
- Hansen, Albert E., assignor to Elkhart Brass Manufacturing Company, Elkhart, Ind. Shut-off nozzle. No. 1,236,297; Aug. 7; v. 241; p. 246.
- Hansen, Albert E., deceased; E. Hipp, administratrix, Topeka, Kans. Track level and gage. No. 1,224,165; May 1; v. 238; p. 17.
- Hansen, Anita v., New York, N. Y. Bed-linen. No. 1,241,968; Oct. 2; v. 243; p. 159.
- Hansen, Augie L., Evanston, Ill., assignor to Chicago Title & Trust Co., trustee. Massage device. No. 1,211,576; Jan. 9; v. 234; p. 444.
- Hansen, Augie L., Evanston, assignor to Justrite Manufacturing Company, Chicago, Ill. Container. No. 1,214,158; Jan. 30; v. 234; p. 1434.
- Hansen, Augie L., Evanston, assignor to Justrite Manufacturing Company, Chicago, Ill. Tattling-shuttle. No. 1,215,525; Feb. 13; v. 235; p. 398.
- Hansen, Augie L., Evanston, assignor to Justrite Manufacturing Company, Chicago, Ill. Acetylene-lamp. No. 1,224,537; May 1; v. 238; p. 151.
- Hansen, Augie L., assignor to Justrite Manufacturing Company, Chicago, Ill. Acetylene-gas lantern. No. 1,228,772; June 5; v. 239; p. 136.
- Hansen, Augie L., assignor to Justrite Manufacturing Company, Chicago, Ill. Acetylene-lamp. No. 1,230,892; June 26; v. 239; p. 965.
- Hansen, Augie L., Evanston, assignor to Justrite Manufacturing Company, Chicago, Ill. Acetylene-lamp. No. 1,233,663; July 17; v. 240; p. 770.
- Hansen, Augie L., Evanston, assignor to Justrite Manufacturing Company, Chicago, Ill. Waste-can. No. 1,236,429; Aug. 14; v. 241; p. 320.
- Hansen, Augie L., Evanston, assignor to Justrite Manufacturing Company, Chicago, Ill. Safety oil-can. No. 1,241,511; Oct. 2; v. 243; p. 12.
- Hansen, Axel C., New York, N. Y. Automatic exhaust-valve for steam-engines. No. 1,228,555; June 5; v. 239; p. 62.
- Hansen, George A., et al. (See Heading, Clay N., assignor.)
- Hansen, Gustav A., Christiania, Norway. Opener for hermetic cans or the like. No. 1,215,019; Feb. 6; v. 235; p. 190.
- Hansen, H. Alfred, executor. (See Hansen, Hans C.)
- Hansen, Hans, Kansas City, Mo. Telephone-switch mechanism for preventing cord-twist. No. 1,249,386; Dec. 11; v. 245; p. 307.
- Hansen, Hans C., deceased, Newton, Mass.; H. A. Hansen, executor. Surface-trimming machine. No. 1,223,324; Apr. 17; v. 237; p. 879.
- Hansen, Hans C., J. A. Norre, and J. A. Reimer, Elk Horn, Iowa. Draft-elevator for harrows. No. 1,230,294; June 19; v. 239; p. 729.
- Hansen, Hans M., Quincy, assignor to L. De Rusha, Boston, Mass. Shoe. No. 1,215,020; Feb. 6; v. 235; p. 191.
- Hansen, Harold, Boston, Mass. Caster. No. 1,247,827; Nov. 27; v. 244; p. 892.
- Hansen, Henry, Woodbine, and J. O. Smith, Dunlap, Iowa. Gearing for hoisting apparatus. No. 1,245,225; Nov. 6; v. 244; p. 26.
- Hansen, Jens P., Copenhagen, Denmark. Shutter for camera-lenses, especially for studio-cameras. No. 1,233,571; July 17; v. 240; p. 740.
- Hansen, Joakime C., Grand Marais, Minn. Culinary utensil. No. 1,239,593; Sept. 11; v. 242; p. 307.
- Hansen, Johan, Tonopah, Nev. Axle attachment for automobiles. No. 1,227,616; May 29; v. 238; p. 1350.
- Hansen, Julius, Coffeyville, Kans. Agitator for treating mineral oils. No. 1,215,526; Feb. 13; v. 235; p. 399.
- Hansen, Karl H., Sewickley, Pa. Buffer for cars. No. 1,236,558; Aug. 14; v. 241; p. 364.
- Hansen, Karl H., Pittsburgh, assignor to Orenstein-Arthur Koppel Company, Koppel, Pa. Dump-car. No. 1,236,165; Aug. 7; v. 241; p. 204.
- Hansen, Karl H., Pittsburgh, assignor to Orenstein-Arthur Koppel Co., Koppel, Pa. Rail-fastener. No. 1,250,117; Dec. 11; v. 245; p. 519.
- Hansen, Marinus, Brooklyn, N. Y. Machine for grooving lenses. No. 1,226,329; May 15; v. 238; p. 858.
- Hansen, Marius H., Chicago, Ill. Weighing-scale. No. 1,223,787; Apr. 24; v. 237; p. 1078.
- Hansen, Marius H., Chicago, Ill. Scale-pan and hanger. No. 1,236,166; Aug. 7; v. 241; p. 204.
- Hansen, Marius H., Chicago, Ill. Trousers-stretcher. No. 1,236,167; Aug. 7; v. 241; p. 205.
- Hansen, Marius H., Chicago, Ill. Weighing-scale. No. 1,248,106; Nov. 27; v. 244; p. 969.
- Hansen, Martin, Salt Lake City, Utah. Tractor. No. 1,221,320; Apr. 3; v. 237; p. 113.
- Hansen, Mary H., Salt Lake City, Utah. Restraining device. No. 1,219,453; Mar. 20; v. 236; p. 610.
- Hansen, Neils C., assignor to William A. Berkey Furniture Company, Grand Rapids, Mich. Clamp. No. 1,222,204; Apr. 10; v. 237; p. 452.
- Hansen, Sverre B., Bayonne, N. J., and N. K. E. Nilssen, Port Richmond, N. Y. Safety gas-burner. No. 1,234,018; July 17; v. 240; p. 882.

Alphabetical list of patentees—Continued.

- Hansen, Thomas C., Chicago, Ill. Changeable electric sign. No. 1,230,403; June 19; v. 239; p. 763.
- Hansen, William M., Lewisville, Idaho. Wrench. No. 1,223,277; Apr. 17; v. 237; p. 863.
- Hansley, Edward M., Stockton, Cal. Attachment for fans. No. 1,249,077; Dec. 4; v. 245; p. 188.
- Hansmann Manufacturing Company. (See Strack, Herman, assignor.)
- Hanson, Albert L. (See Hanson, Charles A. and A. L.)
- Hanson, Anders C., Stanton, Iowa. Miter-knife. No. 1,228,431; June 5; v. 239; p. 20.
- Hanson, Anders C., Stanton, Iowa. Fabric-stretcher. No. 1,239,479; Sept. 11; v. 242; p. 270.
- Hanson, Anton. (See Waldner, Elmer F., assignor.)
- Hanson, Bengt M. W., Hartford, Conn. Metal-working machine. No. 1,231,255; June 26; v. 239; p. 1089.
- Hanson, Bengt M. W., Hartford, Conn. Turret-indexing mechanism. No. 1,234,019; July 17; v. 240; p. 883.
- Hanson, Bengt M. W., Hartford, Conn. Lathe. No. 1,237,511; Aug. 21; v. 241; p. 707.
- Hanson, Bengt M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Metal-working machine. No. 1,211,840; Jan. 9; v. 234; p. 537.
- Hanson, Bengt M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Yieldable gearing. No. 1,217,760; Feb. 27; v. 235; p. 1280.
- Hanson, Bengt M. W., assignor to Pratt & Whitney Company, Hartford, Conn. Metal-reducing machine. No. 1,219,305; Mar. 13; v. 236; p. 529.
- Hanson, Bennie P., and N. I. Nelson, Bancroft, Iowa. Loading-machine. No. 1,229,262; June 12; v. 239; p. 348.
- Hanson, Charles A. and A. L., Munising, Mich. Land-marker. No. 1,219,454; Mar. 20; v. 236; p. 611.
- Hanson, Charles W., et al. (See Markwell, Andrew E., assignor.)
- Hanson, Edward, Chicago, Ill. Berth construction. No. 1,250,307; Dec. 18; v. 245; p. 615.
- Hanson, Gerhart J., Buxton, N. D. Door-hanger. No. 1,242,798; Oct. 9; v. 243; p. 463.
- Hanson, Hans, Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,226,970; May 22; v. 238; p. 1109.
- Hanson, Hans G., Gettysburg, S. D. Harrow. No. 1,210,795; Jan. 2; v. 234; p. 143.
- Hanson, Hans G., Spring Valley, Wis. Wire clothes-pin. No. 1,250,408; Dec. 18; v. 245; p. 615.
- Hanson, Hans M., Sawyer, Wis. Baling-press. No. 1,249,750; Dec. 11; v. 245; p. 413.
- Hanson, Harry, Revere, Mass. Boring-machine. No. 1,228,110; May 29; v. 238; p. 1522.
- Hanson, Henry E., Bowdon, N. D. Well-screen. No. 1,223,969; Apr. 24; v. 237; p. 1140.
- Hanson, Hugo H., Boston, Mass., assignor to Berlin Mills Company, Berlin, N. H. Cloth for filter-presses. No. 1,222,100; Apr. 10; v. 237; p. 415.
- Hanson, John, Steele, N. D. Cake-turner. No. 1,219,818; Mar. 20; v. 236; p. 738.
- Hanson, John Z., Pocatello, Idaho. Air-filter. No. 1,241,376; Sept. 25; v. 242; p. 936.
- Hanson, Lennie A., Deering, N. D. Attachment for motor-cars. No. 1,226,656; May 22; v. 238; p. 1001.
- Hanson, Oscar B., Hartford, S. D. Toe-calk. No. 1,215,367; Feb. 13; v. 235; p. 342.
- Hanson, Oscar B., Hartford, S. D. Heel-calk. No. 1,215,368; Feb. 13; v. 235; p. 342.
- Hanson, Oscar P. W., Spokane, Wash. Rack for theater-seats. No. 1,239,389; Sept. 4; v. 242; p. 213.
- Hanson, Sigvort, Racine, Wis. Dispensing-machine. No. 1,211,577; Jan. 9; v. 234; p. 445.
- Hanson, Thomas R., Tuscaloosa, Ala. Dirigible-headlight mechanism. No. 1,243,290; Oct. 16; v. 243; p. 650.
- Hanssen, Jacob, Christiania, Norway. Apparatus for electrical sterilization of food. No. 1,231,883; July 3; v. 240; p. 117.
- Hanssen, William H., assignor, by mesne assignments, to V. J. Scholtz, Denver Colo. Automobile-thief alarm. No. 1,220,627; Mar. 27; v. 236; p. 1060.
- Hansson, Soren, New Glasgow, Nova Scotia, Canada. Car-truck. No. 1,211,146; Jan. 2; v. 234; p. 263.
- Hansson, Soren, New Glasgow, Nova Scotia, Canada. Adjustable side bearing. No. 1,233,348; July 17; v. 240; p. 664.
- Hansson, Soren, New Glasgow, Nova Scotia, Canada. Truck-frame. No. 1,233,349; July 17; v. 240; p. 664.
- Hanten, Isidor, Watertown, S. D. Automobile friction steering device. No. 1,220,104; Mar. 20; v. 236; p. 839.
- Hanusch, Max, Marienbad, Austria-Hungary. Device for giving out coins. No. 1,212,052; Jan. 9; v. 234; p. 610.
- Hanzlik, Henry J., assignor to De Laval Steam Turbine Company, Trenton, N. J. Valve and valve-gear for elastic-fluid turbines. No. 1,227,612; May 29; v. 238; p. 1351.
- Hapeman, Harry D., La Grange, Ill. Attachable tractor for automobiles. No. 1,238,762; Sept. 4; v. 242; p. 13.
- Hapgood, Clarence H., Toledo, Ohio, assignor to Toledo Scale Company, Jersey City, N. J. Scale. No. 1,229,449; June 12; v. 239; p. 411.
- Hapgood, Clarence H., assignor to Toledo Scale Company, Toledo, Ohio. Automatic weighing-scale. No. 1,248,322; Nov. 27; v. 244; p. 1030.
- Happel, Albert W. (See Buerk and Happel.)
- Happel, Frederick E., Ballston, Va. Giant swing. No. 1,220,332; Mar. 27; v. 236; p. 958.
- Happer, Hervey L., Milwaukee, Wis. Roaster. No. 1,245,710; Nov. 6; v. 244; p. 172.
- Happer, Hervey L., Milwaukee, Wis. Roaster. No. 1,245,712; Nov. 6; v. 244; p. 173.
- Happer, Hervey L., Minneapolis, Minn. Meat-roaster. No. 1,245,711; Nov. 6; v. 244; p. 172.
- Haptonstall, Franklin A., Huntington, W. Va. Combined bonding and locking device. No. 1,220,983; Mar. 27; v. 236; p. 1179.
- Hara, Shibataro, Muzquiz, Mexico. Automobile baggage-holder. No. 1,246,591; Nov. 13; v. 244; p. 465.
- Hara, Yasavro, San Francisco, Cal. Collapsible pillow. No. 1,240,968; Sept. 25; v. 242; p. 807.
- Haran, Thomas S., Wishaw, Scotland. Machine for effecting the rapid propulsion of the human body in water. No. 1,226,768; May 22; v. 238; p. 1039.
- Harbeckes, Henry, Portland, Oreg. Pipe-cutter. No. 1,217,805; Feb. 27; v. 235; p. 1119.
- Harbison, Joseph C., assignor of one-sixth to W. E. Stinson and one-sixth to R. E. Stinson, Eldorado, Ill. Pump. No. 1,215,148; Feb. 6; v. 235; p. 232.
- Harbour, Thomas J. (See Coe and Harbour.)
- Harbridge, Chester C., assignor of one-half to Detroit Demountable Rim Co., Detroit, and one-half to Jackson Rim Company, Jackson, Mich. Demountable rim. No. 1,250,309; Dec. 18; v. 245; p. 616.
- Harcourt, Frederic, Birmingham, England. Temporary bladder. No. 1,228,432; June 5; v. 239; p. 20.
- Hard, Milton G., Sisseton, S. D. Swingletree. No. 1,244,202; Oct. 23; v. 243; p. 960.
- Hard, Raymond E., assignor of one-half to E. H. Phillips, Fort Worth, Tex. Automatic adjustable feeder-valve. No. 1,214,457; Jan. 30; v. 234; p. 1537.
- Hardaker, John T., Bradford, England. Change-speed gearing. No. 1,235,794; Aug. 7; v. 241; p. 86.
- Harden, Daniel H., Banks, Ala. Back-band. No. 1,210,796; Jan. 2; v. 234; p. 144.
- Hardenbrook, Laura M., Modesto, Cal. Novelty post or mailing card. No. 1,232,796; July 10; v. 240; p. 451.
- Hardenburg & Co., H. B. (See Specht, Johannes, assignor.)
- Harder, John. (See Gumber and Harder.)
- Hardesty, George E., Folsom, N. Mex. Farm-gate. No. 1,210,797; Jan. 2; v. 234; p. 144.
- Hardesty, Rudd, Denver, Colo. Sign and making the same. No. 1,243,164; Oct. 16; v. 243; p. 612.
- Hardey, Edwin F., Kansas City, Mo. Appliance for light, heat, and massage treatment. No. 1,228,669; June 5; v. 239; p. 99.
- Hardgrave, Everett J., San Angelo, Tex. Calculating-machine. No. 1,218,255; Mar. 6; v. 236; p. 129.
- Hardie, Francis R., Salt Lake City, Utah. Attachment for concentrators. No. 1,249,078; Dec. 4; v. 245; p. 188.
- Hardie, Henry H., assignor to The Hardie Manufacturing Company, Hudson, Mich. Spraying-nozzle. No. 1,246,092; Nov. 13; v. 244; p. 314.
- Hardie, James G., Canton, N. Y. Paper-loading machine. No. 1,213,359; Jan. 23; v. 234; p. 1132.
- Hardie Manufacturing Company, The. (See Hardie, Henry H., assignor.)
- Hardie, Robert W., Hartsdale, N. Y. Heater and radiator. No. 1,227,263; May 22; v. 238; p. 1208.
- Hardie, Robert W., White Plains, N. Y. Air-moistener. No. 1,239,908; Sept. 11; v. 242; p. 409.
- Hardin, Frank H., White Plains, N. Y. Spring suspension system for railway-trucks. No. 1,211,939; Jan. 9; v. 234; p. 573.
- Hardin, Jacques J., Oak Park, Ill. Brick-cleaning machine. No. 1,239,480; Sept. 11; v. 242; p. 271.
- Harding, Ellet E. (See Lee, Harding, and Stanley.)
- Harding, George, Spokane, Wash. Apparatus for reinforcing poles. No. 1,243,933; Oct. 23; v. 243; p. 881.
- Harding, Henry O. (See Jessen, James, assignor.)
- Harding, Joseph W., Brooklyn, N. Y. Ventilating apparatus. No. 1,216,685; Feb. 20; v. 235; p. 863.
- Harding, Philip O., Rancagua, Chile. Machinery for agglomerating ore. No. 1,239,179; Sept. 4; v. 242; p. 146.
- Harding, Wilbert H., Fort Wayne, Ind. Circular-saw machine. No. 1,215,527; Feb. 13; v. 235; p. 399.
- Harding, William H., Jr., New York, N. Y. Paper-pulp apparatus. No. 1,213,866; Jan. 30; v. 234; p. 1335.
- Hardinge Brothers. (See Hardinge, Franklin, assignor.)
- Hardinge, Franklin, assignor to Hardinge Brothers, Chicago, Ill. Watchman's clock. No. 1,223,581; Apr. 24; v. 237; p. 1004.
- Hardinge, Franklin, assignor to Hardinge Brothers, Chicago, Ill. Tool-holder. No. 1,226,657; May 22; v. 238; p. 1001.
- Hardman, George H., Fall River, Mass. Railway-tie. No. 1,214,914; Feb. 6; v. 235; p. 151.
- Hardman Peck & Co. (See Schwarz and Bjorklund, assignors.)
- Hardman, Thomas, Santa Monica, and F. L. Northup, Oceanpark, Cal. Cement composition and making the same. No. 1,244,326; Oct. 23; v. 243; p. 1000.
- Hardnett, Merrellon F., Atlanta, Ga. Bicycle-frame. No. 1,222,398; Apr. 10; v. 237; p. 521.
- Hards, Edward, Phoenix, Ariz. Pump-jack. No. 1,239,909; Sept. 11; v. 242; p. 409.
- Hardwick, Christopher C., and A. H. Allen, Northampton, England. Last. No. 1,230,893; June 26; v. 239; p. 966.

- Hardwick, James W., Jr., Humbird, Wis. Gate-raiser. No. 1,233,225; July 10; v. 240; p. 590.
- Hardwick, William A., and J. T. Bradley, Memphis, Tenn. Water-gage glass. No. 1,210,467; Jan. 2; v. 234; p. 31.
- Hardy, Arthur, Winnipeg, Manitoba, Canada. Spool-winding device for cameras. No. 1,217,444; Feb. 27; v. 235; p. 1169.
- Hardy, Colin F., Harvard, Nebr. Dough-raiser. No. 1,249,620; Dec. 11; v. 245; p. 375.
- Hardy, Emery E., Bayside, N. Y. Can-opening device. No. 1,218,648; Mar. 13; v. 236; p. 300.
- Hardy, Emery E., Bayside, N. Y. Roller-skate. No. 1,228,111; May 29; v. 238; p. 1522.
- Hardy, Fred J., Corbettsville, N. Y. Car-door. No. 1,229,072; June 5; v. 239; p. 234.
- Hardy, Lawrence P., South Bend, Ind. Coupon-strip holder. No. 1,212,349; Jan. 16; v. 234; p. 744.
- Hare, John R., New Windsor, Md. Graphophone-tone-arm stop. No. 1,223,970; Apr. 24; v. 237; p. 1140.
- Hare, Patrick J., New York, N. Y. Apparatus for extracting liquids from garbage or offal. No. 1,238,289; Aug. 28; v. 241; p. 991.
- Hareza, John. (See Czaja and Hareza.)
- Hartford, George, Kansas City, Mo. Cooking utensil. No. 1,221,853; Apr. 10; v. 237; p. 323.
- Hargett, Peter L. (See Houff, Jacob M., assignor.)
- Hargrave, Fred W., South River, and J. A. Wheeler, Somerset county, N. J., assignors to W. T. Elkinton, Philadelphia, Pa. Forming fireproof building construction. No. 1,234,160; July 24; v. 240; p. 964.
- Hargrave, William H., Portland, Oreg. Wedge for felling trees. No. 1,244,327; Oct. 23; v. 243; p. 1000.
- Hargreaves, Luke. (See Hutchins, Hargreaves, and Dunningham.)
- Harkins, Charles R., Otia, Mich. Hose-protector. No. 1,249,387; Dec. 11; v. 245; p. 308.
- Harkness, William E., Marion, Ohio. Coin-assorter. No. 1,212,215; Jan. 16; v. 234; p. 694.
- Harlan, Claude E., Watsonville, Cal. Spark-plug tester. No. 1,249,953; Dec. 11; v. 245; p. 473.
- Harley-Davidson Motor Co. (See Harley, William S., assignor.)
- Harley, Erskine P., Fort Smith, Ark. Door-latch. No. 1,234,661; July 24; v. 240; p. 1125.
- Harley, William S., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Side car for motor-cycles. No. 1,212,350; Jan. 16; v. 234; p. 745.
- Harley, William S., assignor to The Harley-Davidson Motor Co., Milwaukee, Wis. Shock-absorber. No. 1,216,686; Feb. 20; v. 235; p. 864.
- Harley, William S., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Circuit-breaker. No. 1,240,442; Sept. 18; v. 242; p. 611.
- Harley, William S., assignor to The Harley-Davidson Motor Co., Milwaukee, Wis. Pedal. No. 1,243,165; Oct. 16; v. 243; p. 612.
- Harley, William S., assignor to The Harley-Davidson Motor Co., Milwaukee, Wis. Transmission-gear. No. 1,247,829; Nov. 27; v. 244; p. 892.
- Harlow, Eldon E., assignor of one-half to J. E. Bowen and one-half to M. Harlow, Spokane, Wash. Suspender attachment. No. 1,220,984; Mar. 27; v. 236; p. 1179.
- Harlow, George D., St. Louis, Mo. Trolley. No. 1,228,206; May 29; v. 238; p. 1551.
- Harlow, John B., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Selective signaling system. No. 1,210,642; Jan. 2; v. 234; p. 92.
- Harlow, Lee H., Galesburg, Ill., assignor to Minneapolis Heat Regulator Company, Minneapolis, Minn. Heat-regulator. No. 1,239,594; Sept. 11; v. 242; p. 307.
- Harlow, Louis, East Milton, assignor to Brown Daisy Products Company, Boston, Mass. Mop. No. 1,215,270; Feb. 6; v. 235; p. 275.
- Harlow, Mae, et al. (See Harlow, Eldon E., assignor.)
- Harlow, William S., Swampscott, Mass. Plugging-in switch. No. 1,211,940; Jan. 9; v. 234; p. 574.
- Harman Engineering Co. (See Harman, Jacob A., assignor.)
- Harman, Jacob A., assignor to Harman Engineering Co., Peoria, Ill. Drainage system. No. 1,232,029; July 3; v. 240; p. 166.
- Harman, Jacob A., assignor to Harman Engineering Co., Peoria, Ill. Automatic valve for drainage systems. No. 1,232,030; July 3; v. 240; p. 167.
- Harman, William H. (See Carver and Harman.)
- Harmer, Samuel B., near Xenia, Ohio. Milking-machine. No. 1,210,468; Jan. 2; v. 234; p. 31.
- Harmo-Electric Company. (See Baker, Walter J., assignor.)
- Harmon, Clarence O., assignor of one-half to F. B. De Frees, Toledo, Ohio. Electric heater. No. 1,219,940; Mar. 20; v. 236; p. 781.
- Harmon, Edwin L., Groton, N. Y., assignor to American Road Machinery Company, Inc., Kennett Square, Pa. Road-oiler. No. 1,233,875; July 17; v. 240; p. 837.
- Harmon, Frank L., Beverly, Mass., assignor to Singer Manufacturing Company, Elizabeth, N. J. Eyleting-machine. No. 1,224,460; May 1; v. 238; p. 125.
- Harmon, Frank L., Beverly, Mass., assignor to Singer Manufacturing Company, Elizabeth, N. J. Eyleting-machine. No. 1,237,204; Aug. 14; v. 241; p. 569.
- Harmon, Henry M., Webster, Mass., and R. O. Libbey, Norwich, Conn. Picker-stick. No. 1,215,271; Feb. 6; v. 235; p. 275.
- Harmon, Martin, St. Louis, Mo. Bugging-machine. No. 1,242,546; Oct. 9; v. 243; p. 382.
- Harmon, Roland R., Baltimore, Md. Wheel-tire. No. 1,231,734; July 3; v. 240; p. 68.
- Harmon, Winfield S., Detroit, Mich. Motor-cycle. No. 1,249,751; Dec. 11; v. 245; p. 413.
- Harmen, Carl S., La Jara, Colo. Binder attachment. No. 1,232,681; July 10; v. 240; p. 412.
- Harned, Charles T., Palmyra, N. J. Signaling device for vehicles. No. 1,222,862; Apr. 17; v. 237; p. 724.
- Harnish, Isaiah, et al. (See Gage, Joseph J., assignor.)
- Harnly, David H., Chicago, Ill. Awning-fixture. No. 1,232,916; July 10; v. 240; p. 490.
- Harp, Charles A., Buffalo, Tex. Chicken-coop. No. 1,214,780; Feb. 6; v. 235; p. 103.
- Harp, Edward M., Dublin, Ga. Canning apparatus. No. 1,212,216; Jan. 16; v. 234; p. 695.
- Harp, William I., Galax, Va. Engine-starting device. No. 1,250,449; Dec. 18; v. 245; p. 658.
- Harp, William I., assignor of one-half to C. P. Waugh, Galax, Va. Tire-chain tightener. No. 1,221,173; Apr. 3; v. 237; p. 61.
- Harp, William I., assignor of one-half to C. P. Waugh, Galax, Va. Bolt-tightener. No. 1,234,020; July 17; v. 240; p. 883.
- Harper, Charles W., Goodwood, Ontario, Canada. Anti-kicking device for cows. No. 1,248,651; Dec. 4; v. 245; p. 66.
- Harper, Edwin F., Harborne, Birmingham, England. Means for focusing for use in connection with film-cameras. No. 1,243,934; Oct. 23; v. 243; p. 882.
- Harper, Frank. (See Harris, Edward F., assignor.)
- Harper, Frederick, Chicago, Ill. Refuse-receptacle. No. 1,226,511; May 15; v. 238; p. 915.
- Harper, Grant, Clarkston, Wash. Convertible shirt. No. 1,231,600; July 3; v. 240; p. 21.
- Harper, John D. (See Stewardson and Harper.)
- Harper, John H., Ringgold, Tex. Wire-stretcher. No. 1,219,306; Mar. 13; v. 236; p. 529.
- Harper, Osie S. (See Miller, John M., assignor.)
- Harper, Sidney C. (See Brown, Theodore, assignor.)
- Harper, William F., Memphis, Tenn. Card-filing apparatus. No. 1,245,713; Nov. 6; v. 244; p. 173.
- Harper, William F., Abilene, Kans. Apparatus for cleansing and removing sediment from milk. No. 1,238,013; Aug. 21; v. 241; p. 867.
- Harpst, Frederick E., Lufkin, Tex. Radius-rod. No. 1,230,157; June 19; v. 239; p. 683.
- Harr, Balser, assignor to C. Harr, Kansas City, Mo. Mop-making machine. No. 1,247,675; Nov. 27; v. 244; p. 846.
- Harr, Catherine. (See Harr, Balser, assignor.)
- Harraden, Walter L. (See Halvorson and Harraden.)
- Harrah, Hillis A., Pomona, Kans. Tractor. No. 1,214,673; Feb. 6; v. 235; p. 67.
- Harraleson, J. C., et al. (See Sabin, William W., assignor.)
- Harrell, Billington C. (See Jones and Harrell.)
- Harrelson, Allen M., assignor to The Emerson Electric Manufacturing Company, St. Louis, Mo. Universal motor. No. 1,238,290; Aug. 28; v. 241; p. 991.
- Harrier, Richard G., North Bend, Nebr. Mowing-machine. No. 1,219,552; Mar. 20; v. 236; p. 646.
- Harrier, Richard G., North Bend, Nebr. Driving mechanism. No. 1,219,553; Mar. 20; v. 236; p. 647.
- Harries, Herbert J. (See Henderson and Harries.)
- Harrigan, Edward, Tacoma, Wash. Rotary engine. No. 1,229,949; June 12; v. 239; p. 578.
- Harrigan, Patrick J., Harrisburg, Ill. Boltless tie. No. 1,212,217; Jan. 16; v. 234; p. 695.
- Harrill, Robert L., Lathmore, N. C. Manure-drill. No. 1,224,538; May 1; v. 238; p. 151.
- Harriman, Frank B. (See Lahart, Bour, and Harriman.)
- Harriman, Frederick C., Ardley-on-Hudson, N. Y. Binding device. No. 1,213,479; Jan. 23; v. 234; p. 1173.
- Harriman, Frederick C., Ardley-on-Hudson, Irvington, N. Y. Strap-fastener. No. 1,229,263; June 12; v. 239; p. 348.
- Harriman, George V., New York, N. Y. Transmission-gearing. No. 1,210,798; Jan. 2; v. 234; p. 144.
- Harriman, Russell, Kansas City, Mo. Pipe-cleaning device. No. 1,219,734; Mar. 20; v. 236; p. 709.
- Harriman, Russell, Kansas City, Mo. Animal-trap. No. 1,220,743; Mar. 27; v. 236; p. 1099.
- Harrington, Arthur M., and R. F. Scott, assignors to Edwin Harrington, Son & Co., Inc., Philadelphia, Pa. Universal joint. No. 1,216,445; Feb. 20; v. 235; p. 782.
- Harrington, Bryant P., Morven, assignor of one-half to W. T. Gaulden, Quitman, Ga. Cold-tire setter. No. 1,213,099; Jan. 16; v. 234; p. 1007.
- Harrington, Clinton O., Edgewood borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electromagnetic apparatus. No. 1,216,446; Feb. 20; v. 235; p. 782.
- Harrington, Clinton O., Edgewood borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Adjusting incandescent lamps. No. 1,241,512; Oct. 2; v. 243; p. 12.
- Harrington, Edward C., St. Louis, Mo. Folding drinking-cup. No. 1,240,564; Sept. 18; v. 242; p. 649.
- Harrington, Harry C. (See Bobo and Harrington.)

Alphabetical list of patentees—Continued.

- Harrington, Henry, Waukegan, Ill. Portable conveying apparatus. No. 1,232,801; July 3; v. 240; p. 256.
- Harrington, John L., E. E. Howard, and L. R. Ash, Kansas City, Mo. Indicator. No. 1,234,021; July 17; v. 240; p. 883.
- Harrington, Lynn J., Philadelphia, Pa., assignor to L. C. Smith & Bros. Typewriter Company, Syracuse, N. Y. Platen for type-writers. No. 1,230,295; June 19; v. 239; p. 730.
- Harrington, Samuel A., Richmond, Va. Type-writer. No. 1,211,147; Jan. 2; v. 234; p. 263.
- Harrington, Samuel H., New York, N. Y. Burglar-alarm. No. 1,242,547; Oct. 9; v. 243; p. 382.
- Harrington, Walter K., Andover, N. J., assignor to The American Meter Company, New York, N. Y. Recording-calorimeter. No. 1,216,114; Feb. 13; v. 235; p. 612.
- Harris, Albert J. B., East Rochester, N. Y. Coupling-key-retaining means. No. 1,224,461; May 1; v. 238; p. 125.
- Harris, Albert J. B., and R. S. Humbrecht, Rochester, N. Y. Door locking and operating mechanism. No. 1,232,302; July 3; v. 240; p. 256.
- Harris, Alfred M., Detroit, Mich. Toy. No. 1,217,865; Feb. 27; v. 235; p. 1315.
- Harris, Alfred M., assignor of three-eighths to J. J. Sullivan, Detroit, Mich. Direction-indicator. No. 1,238,763; Sept. 4; v. 242; p. 13.
- Harris, Archer H., Barborton, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Demountable rim. No. 1,233,465; July 17; v. 240; p. 704.
- Harris, Arthur L., and E. F. Casanova, San Francisco, Cal. Incandescent-lamp-attaching member. No. 1,239,005; Sept. 4; v. 242; p. 92.
- Harris Automatic Press Company, The. (See Anderson, Nels A., assignor.)
- Harris Automatic Press Company, The. (See Pritchard, Carl G., assignor.)
- Harris Automatic Press Company, The. (See Smith, Walter H., assignor.)
- Harris, Benjamin. (See Gray and Harris.)
- Harris, Bert B., New York, N. Y. Ship. No. 1,233,226; July 10; v. 240; p. 590.
- Harris, Carl C., and J. A. Adell, assignors to Rivets Manufacturing Company, Orange, Mass. Hand-tool. No. 1,215,932; Feb. 13; v. 235; p. 547.
- Harris, Charles H., Juniata, Pa. Safety-signal and train-controller. No. 1,232,538; July 10; v. 240; p. 366.
- Harris, Charles M., Kingman, Ariz. Shoe-fastener. No. 1,236,298; Aug. 7; v. 241; p. 246.
- Harris, Charles R., assignor to Over All Roller Bearings Company, Los Angeles, Cal. Antifriction roller-bearing. No. 1,245,145; Oct. 30; v. 243; p. 1284.
- Harris, Charles R., and L. W. Lyons, assignors to Over All Roller Bearings Company, Los Angeles, Cal. Roller-bearing. No. 1,245,146; Oct. 30; v. 243; p. 1284.
- Harris, Charles R., and L. W. Lyons, assignors to Over All Roller Bearings Company, Los Angeles, Cal. Roller-bearing. No. 1,245,147; Oct. 30; v. 243; p. 1285.
- Harris, Charles W. (See Merriman and Harris.)
- Harris, Charles W., Seattle, Wash. Hydraulic turbine. No. 1,247,830; Nov. 27; v. 244; p. 893.
- Harris, Clyde R. (See Paridon and Harris.)
- Harris Currycomb Co. (See Harris, Walter W., assignor.)
- Harris, Dan L. (See Morris, Walter, assignor.)
- Harris, Daniel G., and G. O. Mason, Homer, Nebr. Loading and unloading device. No. 1,240,713; Sept. 18; v. 242; p. 693.
- Harris, Edward F., assignor, by mesne assignments, of one-fifth to F. Harper, Chicago, Ill. Window-platform support. No. 1,229,073; June 5; v. 239; p. 234.
- Harris, Edward G., Jefferson Barracks, Mo. Hair-cutting instrument. No. 1,224,462; May 1; v. 238; p. 125.
- Harris, Elbow D., Griffin, Ga. Heel-trimming machine. No. 1,222,623; Apr. 17; v. 237; p. 641.
- Harris, Frederick W., Tate, Saskatchewan, Canada. Door opening and closing device. No. 1,213,867; Jan. 30; v. 234; p. 1335.
- Harris, George C., Peabody, and W. F. Muff, Newton, Kans. Ballast-screening machine. No. 1,214,674; Feb. 6; v. 235; p. 68.
- Harris, George F., Brooklyn, N. Y. Combination petcock wrench and cleaning tool. No. 1,239,688; Sept. 11; v. 242; p. 338.
- Harris, George H., Utica, N. Y. Lock-nut. No. 1,236,838; Aug. 14; v. 241; p. 455.
- Harris, George S., Lanett, Ala. Floor-cleaning machine. No. 1,243,516; Oct. 16; v. 243; p. 718.
- Harris, George S., West Point, Ga., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Builder-motion. No. 1,246,814; Nov. 13; v. 244; p. 520.
- Harris, George W., Brushton, N. Y. Coffin and rough box. No. 1,228,112; May 29; v. 238; p. 1523.
- Harris, George W., Brushton, N. Y. Fly-wheel brake. No. 1,231,601; July 3; v. 240; p. 21.
- Harris, Glenna E., Springfield, Ohio. Window-tent. No. 1,221,727; Apr. 3; v. 237; p. 251.
- Harris, Harvey L., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone system. No. 1,247,831; Nov. 27; v. 244; p. 893.
- Harris, Henry, *et al.* (See Clark, Stuart J., assignor.)
- Harris, Henry A., Attoyac, Tex. Cultivator. No. 1,217,172; Feb. 27; v. 235; p. 1075.
- Harris, Henry L. (See Dube, Joseph E., assignor.)
- Harris, Henry S., Cardwell, Mont. Wagon-box. No. 1,213,868; Jan. 30; v. 234; p. 1335.
- Harris, Hubert E., Macon, Ga. Railway-spike. No. 1,250,865; Dec. 18; v. 245; p. 782.
- Harris, Hugh C., Coeur d'Alene, Idaho. Combination saw set and sharpener. No. 1,229,450; June 12; v. 239; p. 412.
- Harris, Hugh H., Alexandria, Va. Plumbing appliance. No. 1,226,209; May 15; v. 238; p. 814.
- Harris, John, Cleveland, Ohio. Carbide-feeding mechanism for acetylene-generators. No. 1,234,161; July 24; v. 240; p. 965.
- Harris, John, Cleveland, Ohio. Acetylene-generator. No. 1,237,898; Aug. 21; v. 241; p. 830.
- Harris, John, Cleveland, Ohio, assignor to Carbo-Hydrogen Company of America, Pittsburgh, Pa. Cutting-torch. No. 1,217,119; Feb. 20; v. 235; p. 1012.
- Harris, John F., assignor to Cement Products Company, Wilmington, N. C. Concrete tank. No. 1,221,728; Apr. 3; v. 237; p. 252.
- Harris, John S., St. Louis, Mo. Rim and tire for wheels. No. 1,226,880; May 22; v. 238; p. 1077.
- Harris, Jonathan W., Montclair, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Insulating compound and forming the same. No. 1,240,565; Sept. 18; vol. 242; p. 649.
- Harris, Jonathan W., Montclair, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Insulating compound and forming the same. No. 1,240,566; Sept. 18; vol. 242; p. 649.
- Harris, Jonathan W., Montclair, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Insulating compound and forming the same. No. 1,240,567; Sept. 18; vol. 242; p. 649.
- Harris, Joseph, Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging for railway-cars. No. 1,223,870; Apr. 24; v. 237; p. 1107.
- Harris, Joseph, Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draw-bar and yoke connection. No. 1,231,017; June 26; v. 239; p. 1009.
- Harris, Joseph, Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging yoke. No. 1,249,388; Dec. 11; v. 245; p. 308.
- Harris, Joseph A., Childress, and A. W. Howard, Clarendon, Tex. Agricultural implement. No. 1,235,795; Aug. 7; v. 241; p. 86.
- Harris, Joseph A., and A. W. Howard, Clarendon, Tex. Nut-lock. No. 1,240,568; Sept. 18; vol. 242; p. 649.
- Harris, Julia L., Englewood, Tenn. Hinge. No. 1,221,987; Apr. 10; v. 237; p. 376.
- Harris, Leo W., Burke, Idaho. Garment-hanger. No. 1,216,447; Feb. 20; v. 235; p. 782.
- Harris, Louis, New York, N. Y. Tag-seal. No. 1,237,034; Aug. 14; v. 241; p. 519.
- Harris, Louis, Chicago, Ill. Surfacing apparatus. No. 1,243,404; Oct. 16; v. 243; p. 683.
- Harris, Mabel W., Natick, Mass. Mosquito-netting-canopy frame. No. 1,231,735; July 3; v. 240; p. 68.
- Harris, Mack H., assignor of one-half to J. Klein, Higginsville, Mo. Resilient wheel. No. 1,241,730; Oct. 2; v. 243; p. 85.
- Harris, Mary J., San Francisco, assignor of one-half to M. M. Sutton, Los Angeles, Cal. Head-covering. No. 1,239,910; Sept. 11; v. 242; p. 409.
- Harris, Milo, Jamestown, N. Y. Metallic packing. No. 1,232,028; July 3; v. 240; p. 166.
- Harris, Moses H. (See Hayden, Henry A., assignor.)
- Harris, Phil B., Los Angeles, Cal. Cushioned railway-crossing. No. 1,239,269; Sept. 4; v. 242; p. 177.
- Harris, Raymond B., La Crosse, Wis. Journal-box-cooling attachment. No. 1,235,137; July 31; v. 240; p. 1306.
- Harris, Richard G., assignor of one-fourth to F. Haynes, one-fourth to F. Hambright, and one-fourth to J. T. Lewis, Knoxville, Tenn. Safety-headlight. No. 1,219,394; Mar. 13; v. 236; p. 560.
- Harris, Richard H., Greensboro, Ga. Aeroplane. No. 1,233,227; July 10; v. 240; p. 590.
- Harris, Richard H., assignor to Fasinut, Limited, London, England. Drilling appliance. No. 1,250,450; Dec. 18; v. 245; p. 658.
- Harris, Rufus A., Salem, Ore. Music-turner. No. 1,239,006; Sept. 4; v. 242; p. 92.
- Harris, Tyre V., Hiddenite, N. C. Subsoiler. No. 1,233,778; July 17; v. 240; p. 805.
- Harris, Vernon L. (See Wanner, Albert J., assignor.)
- Harris, Walter W., Brownsburg, Pa., assignor to Harris Currycomb Co. Currycomb. No. 1,235,138; July 31; v. 240; p. 1307.
- Harris, William A., Greenville, S. C., assignor to Automatic Pump Corporation, Norfolk, Va. Automatic pump. No. 1,242,548; Oct. 9; v. 243; p. 383.
- Harris, William L., assignor of one-half to A. Hagan, Lexington, Ky. Automatic fire-extinguishing apparatus. No. 1,234,469; July 24; v. 240; p. 1066.
- Harrison, Alice W., and H. W. Bascom, Pasadena, Cal. Sanitary dust-mop shaker. No. 1,245,226; Nov. 6; v. 244; p. 26.
- Harrison, Charles, and K. Lamond, Vancouver, British Columbia, Canada. Pneumatic-tire pressure-gage. No. 1,237,512; Aug. 21; v. 241; p. 708.

- Harrison, Charles, and K. Lamond, assignors to Vancouver Motor Supplies Limited, Vancouver, British Columbia, Canada. Pneumatic-tire-pressure gage. No. 1,214,781; Feb. 6; v. 235; p. 104.
- Harrison, Charles E., Littleton, Colo. Radiator-covering. No. 1,224,539; May 1; v. 238; p. 152.
- Harrison, Charles L., assignor of one-third to L. L. Strause, Richmond, Va. Ventilator-sash for car-windows. No. 1,244,602; Oct. 30; v. 243; p. 1120.
- Harrison, Clara A., London, England. Incandescent electric lamp. No. 1,247,956; Nov. 27; v. 244; p. 928.
- Harrison, Clark W., Summit, N. J. Valve of internal-combustion engines. No. 1,214,544; Feb. 6; v. 235; p. 22.
- Harrison, Clark W., Summit, N. J. Tobacco-pipe, cigar-holder, and cigarette-holder. No. 1,234,541; July 24; v. 240; p. 1089.
- Harrison, Ephraim G., Provo City, Utah. Window-shade holder. No. 1,229,074; June 5; v. 239; p. 234.
- Harrison, George L., East Cleveland, assignor to The Cleveland Metal Products Company, Cleveland, Ohio. Handle. No. 1,216,309; Feb. 20; v. 235; p. 733.
- Harrison, George M., St. Louis, Mo. Ice-bunker. No. 1,234,162; July 24; v. 240; p. 965.
- Harrison, Harry, Lowell, assignor to C. G. Sargent's Sons Corporation, Granitewick, Mass. Means for preventing lodgment and matting of fibrous material on conveyers. No. 1,235,027; July 31; v. 240; p. 1274.
- Harrison, Henry A., Sykestown, N. D. Railway-crossing signal. No. 1,211,841; Jan. 9; v. 234; p. 537.
- Harrison, Henry A., Norheim, Mont. Mail-bag receiver for railway-coaches. No. 1,242,437; Oct. 9; v. 243; p. 347.
- Harrison, Henry M., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,214,030; Jan. 30; v. 234; p. 1393.
- Harrison, Herbert C., Lockport, N. Y. Apparatus for making radiator-strips. No. 1,212,482; Jan. 16; v. 234; p. 790.
- Harrison, Herbert C., Lockport, N. Y. Making radiator-cores. No. 1,220,744; Mar. 27; v. 236; p. 1100.
- Harrison, Herbert C., Lockport, N. Y. Automobile-radiator. No. 1,220,745; Mar. 27; v. 236; p. 1100.
- Harrison, Howard G., Spokane, Wash. Grain-tank. No. 1,242,935; Oct. 16; v. 243; p. 541.
- Harrison, Isaac, Pittsburgh, Pa. Anti-skidding device. No. 1,250,866; Dec. 18; v. 245; p. 782.
- Harrison, James. (See Fletcher and Harrison.)
- Harrison, James R., Peoria, Ill. Catch-basin or sewer-inlet. No. 1,239,102; Sept. 4; v. 242; p. 123.
- Harrison, Jesse E., Madison, S. D. Traction-wheel. No. 1,211,578; Jan. 9; v. 234; p. 445.
- Harrison, John T., *et al.* (See Walters Edward, assignor.)
- Harrison, Josephine, Denver, Colo. Book-rest. No. 1,219,393; Mar. 13; v. 236; p. 560.
- Harrison, Laurence. (See Hough and Harrison.)
- Harrison Manufacturing Company. (See Roberts and Barchel, assignors.)
- Harrison, Marion M., Akron, Ohio. Coloring rubber balloons. No. 1,239,180; Sept. 4; v. 242; p. 147.
- Harrison, Matthew J., Whigham, Ga. Vine-cutter. No. 1,222,946; Apr. 17; v. 237; p. 752.
- Harrison, Matthew, Springfield, assignor to Lamb Knitting Machine Company, Chicopee Falls, Mass. High-speed spindle mounting and lubricating device. No. 1,243,661; Oct. 16; v. 243; p. 761.
- Harrison, Noble C. (See Harrison, William M., assignor.)
- Harrison Safety Boiler Works. (See Gamble, Joseph W., assignor.)
- Harrison Safety Boiler Works. (See Gamble and Sibson, assignors.)
- Harrison Safety Boiler Works. (See Gibson, George H., assignor.)
- Harrison Safety Boiler Works. (See Wallem, Axel B., assignor.)
- Harrison, Thomas F., Augusta, Ga. Hose-nozzle attachment for brushes. No. 1,235,466; July 31; v. 240; p. 1404.
- Harrison, William, Detroit, Mich. Apparatus for inducing respiration. No. 1,248,487; Dec. 4; v. 245; p. 17.
- Harrison, William H. (See Wenzelm and Harrison.)
- Harrison, William M., New Rochelle, N. Y., assignor to N. C. Harrison, Trenton, N. J. Concrete-waterproofing powder. No. 1,221,445; Apr. 3; v. 237; p. 156.
- Harrison, Willie C., Arrowsmith, Ill. Rake. No. 1,232,539; July 10; v. 240; p. 366.
- Harriss, James B., Newark, N. J., assignor to P. Lorillard Company, New York, N. Y. Wrapped box. No. 1,222,287; Apr. 10; v. 237; p. 481.
- Harriss, John A., New York, N. Y. Voucher-record. No. 1,248,488; Dec. 4; v. 245; p. 17.
- Harriss, Wade H., Houston, Tex. Blade-holder. No. 1,245,908; Nov. 6; v. 244; p. 232.
- Harrod, Linn B., Little Rock, Ark. Carburetor attachment. No. 1,250,451; Dec. 18; v. 245; p. 658.
- Harrold, Francis H. (See Reichard and Harrold.)
- Harrop, John T., Garfield, N. J. Repairing asphalt pavements. No. 1,230,894; June 26; v. 239; p. 966.
- Harrow, Alfred T. (See Nelson, Victor E., assignor.)
- Harry, Erastus H. (See Walker and Harry.)
- Harry L. Hussmann Refrigerator & Supply Company. (See Schulde, John, assignor.)
- Harsch, Charles A., New York, assignor to W. H. Garrison, Brooklyn, N. Y. Fire-detecting wire. No. 1,235,028; July 31; v. 240; p. 1274.
- Harsch, Charles A., New York, assignor to W. H. Garrison, Brooklyn, N. Y. Fire-alarm signaling apparatus. No. 1,247,676; Nov. 27; v. 244; p. 846.
- Harsh, Howard, Osakis, Minn. Reversible railway-tie. No. 1,242,184; Oct. 9; v. 243; p. 268.
- Harsh, Paul R., Toledo, Ohio. Signal apparatus for motor-vehicles. No. 1,215,272; Feb. 6; v. 235; p. 275.
- Harsberger, Norman P., Chicago, Ill., assignor to Barrett Manufacturing Company, New York, N. Y. Device for facilitating shingle-laying. No. 1,210,469; Jan. 2; v. 234; p. 31.
- Hart, Albert, Stanwood, Iowa. Windmill pump connection. No. 1,245,714; Nov. 6; v. 244; p. 173.
- Hart-Bell Carbon Remover Company. (See Hartlett, George D., assignor.)
- Hart, Benjamin F., Jr., Hoboken, N. J. Cooling-tower. No. 1,228,207; May 29; v. 238; p. 1551.
- Hart, Bert, and T. B. Holness, Watertown, N. Y. Water-heater. No. 1,250,867; Dec. 18; v. 245; p. 783.
- Hart, Bleeker, Bayonne, N. J. Faucet. No. 1,231,602; July 3; v. 240; p. 22.
- Hart, Charles A., Findlay, Ohio. Folding umbrella. No. 1,215,369; Feb. 13; v. 235; p. 342.
- Hart, Charles A., Findlay, Ohio. Umbrella-runner. No. 1,236,299; Aug. 7; v. 241; p. 247.
- Hart & Cooley Company, The. (See Hart, Howard S., assignor.)
- Hart & Cooley Company, The. (See Hart and Marcy, assignors.)
- Hart, Demetrius H., Birmingham, Ala. Spring take-up for trolley-wires. No. 1,213,360; Jan. 23; v. 234; p. 1133.
- Hart, Edison W., assignor to The Reliance Manufacturing Company, Massillon, Ohio. Wire-coiling machine. No. 1,213,480; Jan. 23; v. 234; p. 1173.
- Hart, Edwin, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Interaxial-distance stop for binocular optical instruments. No. 1,233,350; July 17; v. 240; p. 664.
- Hart, Edwin J., Philadelphia, Pa. Underfeed stoker. No. 1,240,969; Sept. 25; v. 242; p. 807.
- Hart, Francis, Rockaway, Oreg. Cement-brick machine. No. 1,211,842; Jan. 9; v. 234; p. 537.
- Hart, Frank B. and T. G. Van Sant, Poplar Bluff, Mo. Refrigerator or ice-box. No. 1,239,481; Sept. 11; v. 242; p. 271.
- Hart, Franklin H., assignor to C. Cowles & Co., New Haven, Conn. Switch for electric lights. No. 1,227,132; May 22; v. 238; p. 1165.
- Hart, Frederick A., Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and adding machine. No. 1,211,148; Jan. 2; v. 234; p. 264.
- Hart, Frederick A., Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,213,100; Jan. 16; v. 234; p. 1007.
- Hart, Frederick A., Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,231,523; June 26; v. 239; p. 1176.
- Hart, Frederick A., Jersey City, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,226,072; May 15; v. 238; p. 769.
- Hart, Frederick A., Jersey City, N. J., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Computing-machine. No. 1,212,895; Jan. 16; v. 234; p. 935.
- Hart, Frederick A., Jersey City, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Type-writing machine. No. 1,215,370; Feb. 13; v. 235; p. 843.
- Hart, Frederick A., Jersey City, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,223,166; Apr. 17; v. 237; p. 829.
- Hart, Frederick A., Jersey City, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,223,871; Apr. 24; v. 237; p. 1107.
- Hart, Frederick A., Jersey City, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,237,513; Aug. 21; v. 241; p. 708.
- Hart, Frederick A., Jersey City, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,237,641; Aug. 21; v. 241; p. 749.
- Hart, Frederick A., Jersey City, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,237,899; Aug. 21; v. 241; p. 831.
- Hart, Frederick A., Jersey City, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,237,900; Aug. 21; v. 241; p. 831.

Alphabetical list of patentees—Continued.

- Hart, Frederick A., Newark, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Type-writing machine. No. 1,212,940; Jan. 16; v. 234; p. 951.
- Hart, Frederick A., Newark, N. J., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Type-writing machine. No. 1,213,189; Jan. 23; v. 234; p. 1071.
- Hart, Frederick A., Newark, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,214,491; Jan. 30; v. 234; p. 1549.
- Hart, Frederick A., Newark, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,215,306; Feb. 6; v. 235; p. 286.
- Hart, Frederick A., Newark, N. J., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,231,018; June 26; v. 239; p. 1009.
- Hart, Frederick A., Newark, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Type-writing machine. No. 1,238,908; Sept. 4; v. 242; p. 60.
- Hart, Frederick A., Newark, N. J., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Copy-holder for type-writing machines, &c. No. 1,245,909; Nov. 6; v. 244; p. 232.
- Hart, Frederick A., Newark, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Actuating mechanism for combined type-writing and computing machines. No. 1,248,323; Nov. 27; v. 244; p. 1031.
- Hart, Frederick A., Jersey City, and B. C. Stickney, Elizabeth, N. J., assignors, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,225,810; May 15; v. 238; p. 679.
- Hart, Frederick A., Newark, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Type-writing machine. (Reissue.) No. 1,4283; Apr. 10; v. 287; p. 589.
- Hart, George H., West Hartford, Conn. Electric switch. No. 1,222,947; Apr. 17; v. 237; p. 752.
- Hart, George H., West Hartford, Conn. Feed-through switch. No. 1,234,542; July 24; v. 240; p. 1089.
- Hart, George R., Sand Creek, Okla. Lister. No. 1,235,892; Aug. 7; v. 241; p. 119.
- Hart, Gerald M., Wilkes-Barre, Pa., and L. L. Evans, Bridgeport, Conn. Circuit-closer. No. 1,246,422; Nov. 13; v. 244; p. 413.
- Hart, Gerald W., West Hartford, Conn. Electric switch. No. 1,243,166; Oct. 16; v. 243; p. 612.
- Hart, Gerald W., West Hartford, assignor to The Hart Manufacturing Company, Hartford, Conn. Switch. No. 1,244,085; Oct. 23; v. 243; p. 927.
- Hart & Hegeman Manufacturing Company, The. (See Guett, Monroe, assignor.)
- Hart & Hegeman Manufacturing Company, The. (See Morris and Guett, assignors.)
- Hart & Hegeman Manufacturing Company, The. (See Sachs, Joseph, assignor.)
- Hart, Henry A., New York, N. Y. Figure toy. No. 1,212,941; Jan. 16; v. 234; p. 951.
- Hart, Henry A., New York, N. Y. Target toy. No. 1,212,942; Jan. 16; v. 234; p. 952.
- Hart, Henry A., New York, N. Y. Disappearing and recurring revolving target toy. No. 1,212,943; Jan. 16; v. 234; p. 952.
- Hart, Henry A., Flushing, N. Y., assignor to The Strobel & Wilken Company, Cincinnati, Ohio. Toy figure. No. 1,212,218; Jan. 16; v. 234; p. 695.
- Hart, Howard S., assignor to The Hart & Cooley Company, New Britain, Conn. Top plate for registers and ventilators. No. 1,251,018; Dec. 25; v. 245; p. 877.
- Hart, Howard S., and L. B. Marcy, assignors to The Hart & Cooley Company, New Britain, Conn. Top plate for registers and ventilators. No. 1,247,677; Nov. 27; v. 244; p. 846.
- Hart, Hubert C., Unionville, Conn. Lock-washer. No. 1,216,310; Feb. 20; v. 235; p. 733.
- Hart & Hutchinson Company, The. (See Page, Logan E., assignor.)
- Hart, Jacob O., Lancaster, Pa. Carrier. No. 1,238,909; Sept. 4; v. 242; p. 61.
- Hart, John W., Mobile, Ala. Device for cleaning combs. No. 1,220,105; Mar. 20; v. 236; p. 839.
- Hart, John W., assignor of one-half to J. W. Wilgus and one-fourth to E. G. Cresse, Iola, Kans. Mechanical toy. No. 1,219,099; Mar. 13; v. 236; p. 459.
- Hart, Joseph L., Chickasha, Okla. Engine. No. 1,222,863; Apr. 17; v. 237; p. 724.
- Hart Manufacturing Company, The. (See Hart, Gerald W., assignor.)
- Hart, Max J., Centralia, Ill. Shoe-nailing machine. No. 1,218,649; Mar. 13; v. 236; p. 300.
- Hart, Thomas T., Bradford, Pa. Coasting-sled. No. 1,245,227; Nov. 6; v. 244; p. 26.
- Hart, William C., St. Louis, Mo. Printing-press ink-fountain. No. 1,244,979; Oct. 30; v. 243; p. 1235.
- Hart, William E., Highland Springs, Cal. Tail-light and signal for automobiles. No. 1,231,736; July 3; v. 240; p. 68.
- Hart, William H. (See Andrews, Hart, and Sherman.)
- Hart, William H. (See Erimson, James H., assignor.)
- Hart, William H., Jr., Philadelphia, Pa. Mailing-envelop. No. 1,216,800; Feb. 20; v. 235; p. 904.
- Hart, William J., Mount Vernon, N. Y., assignor to Splitdorf Electrical Company, Newark, N. J. Combined starting and ignition switching device and circuits therefor. No. 1,226,971; May 22; v. 238; p. 1110.
- Hart, William J., Mount Vernon, N. Y., assignor to Splitdorf Electrical Company, Newark, N. J. Auxiliary starting device for internal-combustion engines. No. 1,226,972; May 22; v. 238; p. 1110.
- Hartbauer, August W. L., Detroit, Mich. Foldable seat. No. 1,218,857; Mar. 13; v. 236; p. 378.
- Hartbeck, William E., Manchester, Mich. Drawer-retracting mechanism. No. 1,238,514; Aug. 28; v. 241; p. 1064.
- Hartberg, Henry, Watervliet, Mich. Currycomb. No. 1,211,311; Jan. 2; v. 234; p. 321.
- Hartenberger, Robert, Sheboygan Falls, Wis. Silo. No. 1,220,106; Mar. 20; v. 236; p. 839.
- Hartenheim, Max, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Relay. No. 1,227,433; May 22; v. 238; p. 1261.
- Harter, Augustus F. (See Wilkinson and Harter.)
- Harter, Charles. (See O'Brien and Harter.)
- Harter, Charles, assignor of one-half to J. E. O'Brien, St. Louis, Mo. Steam-boiler. No. 1,249,079; Dec. 4; v. 245; p. 188.
- Harter, Clarence J., Hartford, assignor of one-half to W. Webb, Bridgeport, Conn. Range-finding arrangement. No. 1,242,686; Oct. 9; v. 243; p. 428.
- Harter, Evan, assignor to Detroit Stove Works, Detroit, Mich. Stove-frame. No. 1,217,939; Mar. 6; v. 236; p. 19.
- Harter, George C., Lind, Wash. Mustard-beater. No. 1,237,778; Aug. 21; v. 241; p. 794.
- Harter, Gustav A., Chicago, Ill. Electric fixture. No. 1,249,389; Dec. 11; v. 245; p. 308.
- Harter, Gustav A., Chicago, Ill. Electric-light fixture. No. 1,250,580; Dec. 18; v. 245; p. 697.
- Harter, Gustav A., Chicago, Ill. Electric fixture. No. 1,250,581; Dec. 18; v. 245; p. 698.
- Harter, Isaac, Jr., New York, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-boiler. No. 1,244,603; Oct. 30; v. 243; p. 1121.
- Harter, Jacob H. (See Broderick and Harter.)
- Harter, Lander D., Oklahoma, Okla. Concrete tile for building construction. No. 1,251,019; Dec. 25; v. 245; p. 878.
- Harter, Marion H., Canby, assignor to Handy Manufacturing Company, Minneapolis, Minn. Portable extension lamp-cord adjuster. No. 1,216,801; Feb. 20; v. 235; p. 905.
- Harter, Noah S., Waukegan, Ill., assignor, by mesne assignments, to The Fulton Company, Knoxville, Tenn. Thermostatic valve. No. 1,220,985; Mar. 27; v. 236; p. 1179.
- Hartfield, August J., assignor to H. A. Hartfield, Los Angeles, Cal. Gas heat-radiator. No. 1,229,451; June 12; v. 239; p. 412.
- Hartfield, Helen A. (See Hartfield, August J., assignor.)
- Hartford, Edward V. (See Dinkins, John M., assignor.)
- Hartford, Edward V., Deal, N. J. Antivibration device for vehicles. No. 1,250,452; Dec. 18; v. 245; p. 658.
- Hartford-Fairmont Company. (See Peiler, Karl E., assignor.)
- Hartford Lock Ring Company, The. (See Merritt and Sawyer, assignors.)
- Hartford Rubber Works Company, The. (See Field, William E., assignor.)
- Hartford Rubber Works Company, The. (See Fisher, George F., assignor.)
- Hartford Rubber Works Company, The. (See Shea, John J., assignor.)
- Hartford Rubber Works Company, The. (See Whittelsey, Charles B., assignor.)
- Harth, August, Chatham, N. J., assignor to National Electric Utilities Corporation, Danbury, Conn. Electric heater. No. 1,242,687; Oct. 9; v. 243; p. 428.
- Harthan, Charles E., Lynn, Mass., assignor to General Electric Company. Arc-lamp. No. 1,229,950; June 12; v. 239; p. 578.
- Harthan, Charles E., Lynn, Mass., assignor to General Electric Company. Headlight for vehicles. No. 1,246,093; Nov. 13; v. 244; p. 314.
- Hartigan, Patrick J. (See Kearns and Hartigan.)
- Hartleb, Bernhard B. and R. C., Baltimore, Md. Automatic baby-carriage fan. No. 1,218,858; Mar. 13; v. 236; p. 378.
- Hartleb, Bernhard B. and R. C., Baltimore, Md. Oyster-opener. No. 1,232,682; July 10; v. 240; p. 412.
- Hartleb, Rudolph C. (See Hartleb, Bernhard B. and R. C.)
- Hartlett, George D., Glenbrook, Conn., assignor of one-half to E. C. Belling and one-half to Hart-Bell Carbon Remover Company, Inc., New York, N. Y. Attachment for gasoline-engines. No. 1,230,158; June 19; v. 239; p. 683.
- Hartley, Ernest, Philadelphia, Pa. Antiskid attachment. No. 1,247,529; Nov. 20; v. 244; p. 771.
- Hartley, George D. (See Sleeper, Frank H., assignor.)
- Hartley, George W., and A. W. Seeley, Saginaw, Mich. Egg-carrier. No. 1,223,872; Apr. 24; v. 237; p. 1107.

- Hartley, Ralph V. L., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. System for amplifying electrical energy. No. 1,218,650; Mar. 13; v. 236; p. 301.
- Hartline, Homer C., Cobden, Ill. Tractor. No. 1,245,715; Nov. 6; v. 244; p. 173.
- Hartman, Amos C., Dillsburg, Pa. Tire-remover. No. 1,220,107; Mar. 20; v. 236; p. 840.
- Hartman, Bertrand H., Glenburn, N. D. Skinning-knife. No. 1,241,969; Oct. 2; v. 243; p. 159.
- Hartman, Clarence M., Crofton, Nebr. Hose-coupling. No. 1,220,223; Mar. 27; v. 236; p. 917.
- Hartman, Cornelius J. (See Bohan and Hartman.)
- Hartman Electrical Manufacturing Company. (See Hartman, Frank O., assignor.)
- Hartman, Emanuel W., Houston, Tex. Burial-casket. No. 1,234,470; July 24; v. 240; p. 1066.
- Hartman, Frank O., assignor to The Hartman Electrical Manufacturing Company, Mansfield, Ohio. Rail-bond. No. 1,215,933; Feb. 13; v. 235; p. 547.
- Hartman, George A., Sr., Homer, Ill. Sanitary bail-ring. No. 1,244,980; Oct. 30; v. 243; p. 1235.
- Hartman, Hans, assignor to J. Erdoes, New York, N. Y. Automatic electric-light buoy. No. 1,248,850; Dec. 4; v. 245; p. 126.
- Hartman, Hans, New York, N. Y., assignor to Submarine Exploration Co. Inc. Apparatus for taking submarine motion-pictures. No. 1,250,582; Dec. 18; v. 245; p. 698.
- Hartman, Harry B., Scottsdale, Pa. Safety-razor. No. 1,247,266; Nov. 20; v. 244; p. 696.
- Hartman, Harry B., Scottsdale, Pa. Safety-razor. No. 1,247,267; Nov. 20; v. 244; p. 696.
- Hartman, Harry B., Scottsdale, Pa. Safety-razor. No. 1,247,268; Nov. 20; v. 244; p. 697.
- Hartman, Harry C. (See Dinkel, Andrew J., assignor.)
- Hartman, Harry C. (See Dinkel and Hartman.)
- Hartman, Henry T., New York, N. Y. Dental brush. No. 1,216,311; Feb. 20; v. 235; p. 733.
- Hartman, John, Bozeman, Mont. Roller-skate. No. 1,217,761; Feb. 27; v. 235; p. 1280.
- Hartman, Joseph M., Yardley, Pa. Wheel-hoe. No. 1,244,850; Oct. 30; v. 243; p. 1195.
- Hartman, Rudolph B., Milwaukee, Wis. Secondary reinforcement for concrete structures. No. 1,233,053; July 10; v. 240; p. 533.
- Hartman, Rudolph B., Milwaukee, Wis. Demountable tread for tires. No. 1,234,331; July 24; v. 240; p. 1020.
- Hartman, Rudolph B., Milwaukee, Wis. Reinforcement system for concrete beams. No. 1,240,137; Sept. 11; v. 242; p. 475.
- Hartman, Samuel C., Dayton, Ohio. Street-sweeping machine. No. 1,228,773; June 5; v. 239; p. 137.
- Hartman, Stephen L., Fillmore, Cal. Phonograph-cabinet. No. 1,227,536; May 22; v. 238; p. 1296.
- Hartman, William T., *et al.* (See Ellenburg, Joe N., assignor.)
- Hartmann & Braun, A. G. (See Schaefer, Bela, assignor.)
- Hartmann & Braun A.-G. (See Seidler, Max, assignor.)
- Hartmann, Charles A., Washington, D. C. Gas-burning stove. No. 1,212,944; Jan. 16; v. 234; p. 952.
- Hartmann, Ernest F., New York, N. Y. Apparatus for treating timber. No. 1,240,443; Sept. 18; vol. 242; p. 612.
- Hartmann, Frederick, Hoboken, N. J. Cutting-off tool. No. 1,249,080; Dec. 4; v. 245; p. 189.
- Hartmann, Max. (See Hüsey and Hartmann.)
- Hartman, Richard A., Hartford, Conn. Universal joint. No. 1,232,540; July 10; v. 240; p. 367.
- Hartnett, Christopher M., Chicago, Ill. Mouthpiece for telephone instruments. No. 1,224,922; May 8; v. 238; p. 336.
- Hartnett, John J., Worden, Ill. Rail tie and fastener. No. 1,240,970; Sept. 25; v. 242; p. 807.
- Harton, Mary J., executrix. (See Harton, Pembroke D.)
- Harton, Pembroke D., deceased, Philadelphia, Pa.; M. J. Harton, executrix. Feeding device for cake-coating machines. No. 1,216,230; Feb. 13; v. 235; p. 653.
- Harttrampf, William F., Forest Grove, Oreg. Seed cleaner and separator. No. 1,213,101; Jan. 16; v. 234; p. 1008.
- Hartridge, Clifford W. (See Vail, Robert W., assignor.)
- Hartsell, Jonah L. and W. J. West, assignors to Young-Hartsell Mills Company, Concord, N. C. Card-feeler stop-motion. No. 1,227,613; May 29; v. 238; p. 1351.
- Hartsok, William R., Portland, Oreg. Spring-motor. No. 1,248,489; Dec. 4; v. 245; p. 17.
- Hartsough, D. Maurice, Minneapolis, Minn., assignor to Deere and Company, Moline, Ill. Gang-plow. No. 1,215,654; Feb. 13; v. 235; p. 448.
- Hartsough, Walter W., Minneapolis, Minn. Ditching-machine. No. 1,225,327; May 8; v. 238; p. 473.
- Hartsuch, Bruce E., East Lansing, Mich., assignor to The Buckley and Douglas Lumber Company. Purifying salt brine. No. 1,235,202; July 31; v. 240; p. 1326.
- Hartt, Cicero W., Pierson, Mich. Garbage-receptacle and trap. No. 1,223,873; Apr. 24; v. 237; p. 1107.
- Hartung, Frank H., Norwood, assignor to The U-Need-A Starter Company, Cincinnati, Ohio. Automobile-engine starter. No. 1,220,511; Mar. 27; v. 236; p. 1020.
- Hartwell, Oscar D., Springfield, Mass. Easel. No. 1,236,708; Aug. 14; v. 241; p. 414.
- Hartwig, Theodore G., *et al.* (See Goetzke, Otto, assignor.)
- Hartzman, David L., Dover, Ohio. Combination-tool. No. 1,251,228; Dec. 25; v. 245; p. 938.
- Harvey, Albert L., Wilkesburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Circuit-interrupting system. No. 1,221,050; Apr. 3; v. 237; p. 16.
- Harvey, Charles A., South Amboy, N. J. Auxiliary joint. No. 1,233,228; July 10; v. 240; p. 590.
- Harvey, Charles G., Devils Lake, N. D. Spark-plug. No. 1,232,303; July 3; v. 240; p. 257.
- Harvey Clap & Co. (See Person, Axel, assignor.)
- Harvey, Frank E., White Hall, Ill. Dirigible automobile-lamp. No. 1,239,482; Sept. 11; v. 242; p. 271.
- Harvey, Frank W., Bay City, Mich. Luminous keyhole-plate. No. 1,243,518; Oct. 16; v. 243; p. 719.
- Harvey, Fred P., Detroit, Mich. Cover for collapsible canvas-tops. No. 1,219,735; Mar. 20; v. 236; p. 709.
- Harvey, Harold C., assignor to Milwaukee Lace Paper Co., Milwaukee, Wis. Paper-feeding mechanism. No. 1,238,138; Aug. 28; v. 241; p. 940.
- Harvey, Harold C., assignor to Milwaukee Lace Paper Co., Milwaukee, Wis. Blank-feeding mechanism. No. 1,244,086; Oct. 23; v. 243; p. 927.
- Harvey, Harold C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Paper-feeding mechanism. No. 1,246,592; Nov. 13; v. 244; p. 465.
- Harvey Hinnbelle, Inc. (See Horn, Charles, assignor.)
- Harvey, John E., Milton, Mass. Automatic controlling means for electric heaters. No. 1,235,796; Aug. 7; v. 241; p. 87.
- Harvey, Louis B., W. Hornbeck, and B. Bisinger, Sacramento, Cal. Retaining-clamp for demountable rims. No. 1,225,126; May 8; v. 238; p. 405.
- Harvey, Louis N., *et al.* (See Palmer, Ray M., assignor.)
- Harvey, Oscar, Debden Station, Saskatchewan, Canada. Extensible suitcase. No. 1,241,210; Sept. 25; v. 242; p. 882.
- Harvey, Philip D., Stratton, Colo. Automatic wagon-brake. No. 1,243,935; Oct. 23; v. 243; p. 882.
- Harvey, Russell W., Lynchburg, Va. Distilled-water bottle and storage-battery filler. No. 1,223,971; Apr. 24; v. 237; p. 1140.
- Harvey, William A., Scranton, Pa. Fuse-carrier. No. 1,218,553; Mar. 6; v. 236; p. 229.
- Harvey, Willis W., Malad City, Idaho. Resilient wheel. No. 1,243,735; Oct. 23; v. 243; p. 819.
- Harvin, Charles R., Manning, S. C. Automatic scale for weighing cotton-seed. No. 1,248,324; Nov. 27; v. 244; p. 1031.
- Harward M'f'g Company. (See Cook, Eugene F., assignor.)
- Harwell, Ernest M., *et al.* (See Harwell, George O., assignor.)
- Harwell, Eugene L., *et al.* (See Harwell, George O., assignor.)
- Harwell, George O., Orosi, assignor of one-third to E. L. Harwell and one-third to E. M. Harwell, Clovis, Cal. Radiator attachment for internal-combustion engines. No. 1,251,227; Dec. 25; v. 245; p. 938.
- Harwell, Meade S. (See Stark and Harwell.)
- Harwood, Elmer, Gold Basin, Wash. Traction-engine with means for pulling itself out of a rut. No. 1,237,642; Aug. 21; v. 241; p. 749.
- Harwood, Elmer, Granite Falls, Wash. Tractor-vehicle. No. 1,246,742; Nov. 13; v. 244; p. 508.
- Harwood, Leon M., Springfield, Mass. Apparatus for handling metallic leaf. No. 1,229,075; June 5; v. 239; p. 235.
- Hasbrook Patents Company. (See Hasbrook, Roy, assignor.)
- Hasbrook, Roy, New York, N. Y., assignor to Hasbrook Patents Company, Inc. Coin-deliverer. No. 1,233,229; July 10; v. 240; p. 591.
- Hasburg, John W., Chicago, Ill. Submarine protecting device. No. 1,246,593; Nov. 13; v. 244; p. 465.
- Hasburg, John W., Chicago, Ill. Fine art of painting. No. 1,249,390; Dec. 11; v. 245; p. 309.
- Hasburg, John W., Chicago, Ill. Paint-package. No. 1,245,391; Dec. 11; v. 245; p. 309.
- Hascall, James, Hannibal, Mo. Fence-clamp. No. 1,219,395; Mar. 13; v. 236; p. 561.
- Hase, Takebe, San Francisco, Cal. Projectile. No. 1,222,288; Apr. 10; v. 237; p. 481.
- Haseltine, Stacy B., assignor to W. H. Miner, Chicago, Ill. Means of connecting draw-bars to draft-yokes in railway draft-rigging. No. 1,240,341; Sept. 18; vol. 242; p. 580.
- Haseltine, Stacy B., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-gear yoke. No. 1,242,799; Oct. 9; v. 243; p. 463.
- Haseltine, Stacy B., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-gear yoke. No. 1,242,800; Oct. 9; v. 243; p. 463.
- Haseltine, Stacy B., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging yoke. No. 1,242,802; Oct. 9; v. 243; p. 464.
- Haselton, Halsey H., Haselton, N. Y. Lifting-jack. No. 1,220,512; Mar. 27; v. 236; p. 1020.
- Hashberger, Elizabeth A., Schuyler, Nebr. Canopy and support. No. 1,248,652; Dec. 4; v. 245; p. 66.
- Haskell, A. D. (See Hill, H. Philip, assignor.)
- Haskell, Broderick, Franklin, Pa. Flexible pipe-coupling. No. 1,235,797; Aug. 7; v. 241; p. 87.

Alphabetical list of patentees—Continued.

- Haskell, Broderick, Franklin, Pa. Flexible conduit or coupling. No. 1,235,798; Aug. 7; v. 241; p. 88.
- Haskell, Charles O. (See Weeks, McCollom, and Haskell.)
- Haskell, William E., assignor to Estey Organ Company, Brattleboro, Vt. Department-selecting mechanism for automatically-played organs. No. 1,230,895; June 26; v. 239; p. 966.
- Haskell, William E., assignor to Estey Organ Company, Brattleboro, Vt. Music-roll. No. 1,236,430; Aug. 14; v. 241; p. 321.
- Haskell, William E., assignor to Estey Organ Company, Brattleboro, Vt. Registration mechanism for automatic musical instruments. No. 1,250,165; Dec. 18; v. 245; p. 572.
- Haske, Samuel, Brooklyn, N. Y. Bedside-guard. No. 1,240,201; Sept. 18; vol. 242; p. 536.
- Haslam, Thomas P., assignor to The Kansas State Agricultural College, Manhattan, Kans. Vacuum serum-extractor. No. 1,212,945; Jan. 16; v. 234; p. 953.
- Hasler, A. G. Vornals Telegraphen-Werkstaette Von G. Hasler. (See Aberger, Otto, assignor.)
- Hassam Paving Company. (See Hassam, Walter E., assignor.)
- Hassam, Walter E., Worcester, Mass., assignor to Hassam Paving Company. Making roads, pavements, and the like. No. 1,215,273; Feb. 6; v. 235; p. 276.
- Hassel-Jensen, Johannes, Copenhagen, Denmark. Fire-box. No. 1,240,971; Sept. 25; v. 242; p. 808.
- Hasselmeier, John P., New York, N. Y. Window. No. 1,222,864; Apr. 17; v. 237; p. 725.
- Hassett, Richard, Arcadia, Cal. Fence. No. 1,233,230; July 10; v. 240; p. 591.
- Hassler, Robert H., Indianapolis, Ind. Easy-riding vehicle. No. 1,211,848; Jan. 9; v. 234; p. 538.
- Hastad, Henry B., Brooklyn, N. Y. Adjustable mirror. No. 1,249,081; Dec. 4; v. 245; p. 189.
- Hasti, Edward, St. Paul, Minn. Variable-power drive. No. 1,247,530; Nov. 20; v. 244; p. 771.
- Hastings, Charles B., New York, N. Y. Loading and unloading device for endless carriers. No. 1,236,300; Aug. 7; v. 241; p. 247.
- Hastings, Cornelius G., West Hoboken, N. J., assignor to Hastings Tunnel System Company. Tunnel construction. No. 1,240,444; Sept. 18; vol. 242; p. 612.
- Hastings, Cornelius G., Glendale, Cal., assignor to Hastings Tunnel System Company. Excavator. No. 1,240,445; Sept. 18; vol. 242; p. 613.
- Hastings, Cornelius G., Glendale, Cal., assignor to Hastings Tunnel System Company. Tunnel-shield. No. 1,240,446; Sept. 18; vol. 242; p. 613.
- Hastings, Cornelius G., Glendale, Cal., assignor to Hastings Tunnel System Company. Tunnel and retaining wall construction. No. 1,240,447; Sept. 18; vol. 242; p. 614.
- Hastings, Donald T. (See Watts and Hastings.)
- Hastings, George T., New York, N. Y. Brush-holder. No. 1,237,901; Aug. 21; v. 241; p. 831.
- Hastings, Herbert. (See Stump, Ira E., assignor.)
- Hastings, Herbert, assignor to German American Button Company, Rochester, N. Y. Cutting buttons. No. 1,219,455; Mar. 20; v. 236; p. 611.
- Hastings, Herbert, assignor to German-American Button Company, Rochester, N. Y. Button-feeding machine. No. 1,240,202; Sept. 18; vol. 242; p. 536.
- Hastings, Herbert, Rochester, N. Y., assignor to Art in Buttons, Incorporated. Forming buttons. No. 1,241,467; Sept. 25; v. 242; p. 962.
- Hastings, James G., Ord, Nebr. Wagon end-gate. No. 1,213,633; Jan. 23; v. 234; p. 1226.
- Hastings, Kenneth B., Boston, Mass. Sound-amplifier. No. 1,246,594; Nov. 13; v. 244; p. 466.
- Hastings, Ray C., Wichita, Kans. General-purpose farm-tractor. No. 1,214,545; Feb. 6; v. 235; p. 22.
- Hastings Tunnel System Company. (See Hastings, Cornelius G., assignor.)
- Hasty, Otis R., Elgin, Ill. Shoe-shining chair. No. 1,225,811; May 15; v. 238; p. 679.
- Hatakeyama, Sakushiro, Shimoyamate Dori, Kobe, assignor of one-half to C. Funai, Motomachi Dori, Kobe, Japan. Automatic match-manufacturing machine. No. 1,218,651; Mar. 13; v. 236; p. 301.
- Hatch, Arthur G., Duluth, Minn. Reversing-valve. No. 1,222,624; Apr. 17; v. 237; p. 642.
- Hatch, Charles H., Fredonia, assignor to Merritt Manufacturing Company, Lockport, N. Y. Veneer-cutting machinery. No. 1,248,490; Dec. 4; v. 245; p. 18.
- Hatch, Edwin G., Hoboken, N. J. Insulator-clamp. No. 1,210,470; Jan. 2; v. 234; p. 32.
- Hatch, Edwin G., Hoboken, N. J. Insulator-clamp. No. 1,220,333; Mar. 27; v. 236; p. 958.
- Hatch, Frank M. (See Fitzgerald and Hatch, assignors.)
- Hatch, Frederick A., Plymouth, Mass. Last. No. 1,230,766; June 19; v. 239; p. 865.
- Hatch, George, F., Atwater, Cal. Trap-nest. No. 1,240,972; Sept. 25; v. 242; p. 808.
- Hatch, J. L. (See Van Dorsal, Samuel, assignor.)
- Hatch, James W. (See Nelson, Charles R., assignor.)
- Hatch, Nathan, Albany, N. Y. Union-suit. No. 1,213,481; Jan. 23; v. 234; p. 1173.
- Hatch, Nathan, Albany, N. Y. Union-suit. No. 1,213,482; Jan. 23; v. 234; p. 1174.
- Hatch, Ralph S. (See Fitzgerald and Hatch.)
- Hatch, Tracy B., South Pasadena, Cal. Jack. No. 1,229,951; June 12; v. 239; p. 578.
- Hatch, Walter P. (See Ingram and Hatch.)
- Hatch, William F., assignor to B. J. Johnson Soap Co., Milwaukee, Wis. Soap-dispenser. No. 1,246,916; Nov. 20; v. 244; p. 596.
- Hatcher, Elder N., East Tallassee, Ala. Vehicle-wheel rim. No. 1,236,301; Aug. 7; v. 241; p. 247.
- Hatchett, Samuel P., and G. L. Dillard, Mogollon, N. Mex. Permutation-lock. No. 1,231,524; June 26; v. 239; p. 1176.
- Hatfield, Guy M., Fort Smith, Ark. Potato-harvester. No. 1,221,729; Apr. 3; v. 237; p. 252.
- Hatfield, John, assignor to Universal Steel Cabinet Company, Inc., Brooklyn, N. Y. Follower-block for filing-cases. No. 1,231,154; June 26; v. 239; p. 1056.
- Hatfield, Mattie R., Wichita, Kans. Egg-inspecting machine. No. 1,221,730; Apr. 3; v. 237; p. 252.
- Hathaway, Charles B., and C. B. Elliott, Hempstead, Tex. Means for raising journal-boxes. No. 1,223,046; Apr. 17; v. 237; p. 787.
- Hathaway, Charles F., New York, assignor to Angular Drill and Machine Corporation, Rochester, N. Y. Square-hole drill. No. 1,212,634; Jan. 16; v. 234; p. 845.
- Hathaway, Edgar F. (See Field, Hathaway, and Lanning.)
- Hathaway, Edgar F., Boston, Mass. Strip-serving device. No. 1,235,566; Aug. 7; v. 241; p. 12.
- Hathaway, Edgar F., assignor to American Warp Drawing Machine Company, Boston, Mass. Heddle. No. 1,246,002; Nov. 6; v. 244; p. 256.
- Hathaway, Edgar F., Boston, and C. D. Lanning, Dorchester, assignors to American Warp Drawing Machine Company, Boston, Mass. Pattern-controlled device. No. 1,225,328; May 8; v. 238; p. 474.
- Hathaway, Edgar F., and C. Lea, Boston, Mass., assignors to American Warp Drawing Machine Company. Textile-machine. No. 1,227,537; May 22; v. 238; p. 1296.
- Hathaway, James A., Pomona, Cal. Vegetable-cutter. No. 1,240,752; Dec. 11; v. 245; p. 414.
- Hathaway, Joseph D., Montreal, Quebec, Canada, assignor, by mesne assignments, to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for coating metallic articles. No. 1,248,107; Nov. 27; v. 244; p. 969.
- Hathaway, Thomas F., assignor to Illinois Watch Case Co., Elgin, Ill. Case for cigarettes and the like. No. 1,229,952; June 12; v. 239; p. 579.
- Hathaway, Walter W., Cambridge, Mass. Resilient wheel. No. 1,245,910; Nov. 6; v. 244; p. 233.
- Hatheway, Woodson, J., Stanberry, Mo. Grass-seed harvester. No. 1,212,053; Jan. 9; v. 234; p. 610.
- Hatt, Joseph A. H., Brooklyn, N. Y. Photomechanical screen. No. 1,235,894; Aug. 7; v. 241; p. 120.
- Hattersley and Sons, George. (See Shackleton, George W., assignor.)
- Hatton, Albert A., Halls, Mo. Road-drag. No. 1,240,714; Sept. 18; vol. 242; p. 694.
- Hatton, Ernest, Killingworth, England. Toothed gearing. No. 1,213,190; Jan. 23; v. 234; p. 1071.
- Hauberg, Hakon K., Hennings, Minn. Wood-splitting machine. No. 1,231,525; June 26; v. 239; p. 1177.
- Haubner, John W., Friday Harbor, Wash. Fish-cleaning device. No. 1,224,923; May 8; v. 238; p. 336.
- Haubrich, Alexander M., Chicago, Ill., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. System for packing and shipping telephone apparatus. No. 1,218,998; Mar. 13; v. 236; p. 426.
- Hauck, Arthur E., Brooklyn, N. Y. Kerosene-torch. No. 1,216,115; Feb. 13; v. 235; p. 612.
- Hauck, Arthur E., New York, N. Y. Heavy-oil burner. No. 1,231,019; June 26; v. 239; p. 1009.
- Hauck, Joseph H. (See Frye, Thomas E., assignor.)
- Hauck, Louis C., Covington, Ky. Bottle-holder. No. 1,236,929; Aug. 14; v. 241; p. 484.
- Hauenstein, John, assignor of one-fourth to T. E. Lander, Kansas City, Mo. Cooking-utensil attachment. No. 1,239,788; Sept. 11; v. 242; p. 369.
- Hauer, Elmer E., Springfield, Ohio, assignor to Elliott Company, Pittsburgh, Pa. Multiple-tube-cleaning apparatus. No. 1,218,765; Mar. 13; v. 236; p. 343.
- Hauer, William A., Ottawa, Ill. Vehicle spring-gear. No. 1,232,031; July 3; v. 240; p. 167.
- Hauf, George F. (See Robertson and Hauf.)
- Haufe, Otto A., Secaucus, N. J. Screw-holding attachment for screw-drivers. No. 1,240,138; Sept. 11; v. 242; p. 476.
- Haug, Anton J., assignor to Improved Paper Machinery Company, Nashua, N. H. Screening pulp. No. 1,246,815; Nov. 13; v. 244; p. 530.
- Haug, Martin J., Madelia, Minn. Automobile-jack. No. 1,224,298; May 1; v. 238; p. 66.
- Haugh, James G., Tiffin, Ohio. Baling-press. No. 1,250,310; Dec. 18; v. 245; p. 616.
- Haugh, Patrick H., South Norwalk, Conn. Forming edges of hat-bodies. No. 1,246,917; Nov. 20; v. 244; p. 597.
- Haughy, William W., Garden City, assignor to By-Products Reclaiming Corporation, New York, N. Y. Producing fertilizer material. No. 1,232,032; July 3; v. 240; p. 167.

- Haughey, William W., Garden City, assignor to By-Products Reclaiming Corporation, New York, N. Y. Treating distillery by-products. No. 1,232,446; July 3; v. 240; p. 300.
- Haughton, Nathaniel V., Alameda, assignor of one-half to M. T. Gardiner, San Francisco, Cal. Faucet. No. 1,222,865; Apr. 17; v. 237; p. 725.
- Haultain, Herbert E. T., Toronto, Ontario, Canada. Apparatus for separating ores by flotation. No. 1,218,400; Mar. 6; v. 236; p. 178.
- Haultain, Herbert E. T., Toronto, Ontario, Canada. Concentrating and separating minerals by flotation. No. 1,226,330; May 15; v. 238; p. 859.
- Haun, Polaski, Carmen, Okla. Resilient tire. No. 1,233,351; July 17; v. 240; p. 665.
- Haun, Solon P., Mohawk, Tenn. Acetylene-gas generator. No. 1,231,155; June 26; v. 239; p. 1056.
- Haupt, H., and M. Werner, Berlin, Germany. Apparatus for indicating the composition of gases. No. 1,220,037; Mar. 20; v. 236; p. 813.
- Haupt, William E., Philadelphia, Pa. Automobile transmission mechanism. No. 1,230,896; June 26; v. 239; p. 966.
- Hauptli, Herbert A. (See Waring and Hauptli.)
- Hauptman, Herman, Pittsburgh, Pa. Pencil attachment for sectional rules. No. 1,227,614; May 29; v. 238; p. 1351.
- Haurum, Mads H., Barney, N. D. Fence-wire holder. No. 1,235,467; July 31; v. 240; p. 1404.
- Haury, George W., Chicago, Ill. Gas-engine slide-valve mechanism. No. 1,247,109; Nov. 20; v. 244; p. 651.
- Haus, Frank, and J. Pancer, Akron, Ohio. Window-screen. No. 1,245,585; Nov. 6; v. 244; p. 135.
- Hauschild, Adelbert, Akron, Ohio. Combined cushioning and fastening device for tires. No. 1,223,788; Apr. 24; v. 237; p. 1078.
- Hause, Fred A., North Bessemer, Pa. Paddle. No. 1,233,876; July 17; v. 240; p. 837.
- Hausen, Charles J., New York, N. Y. Hose-supporter. No. 1,216,991; Feb. 20; v. 235; p. 968.
- Hauser, Albert E., Pelican, La. Fan attachment for chairs. No. 1,220,628; Mar. 27; v. 236; p. 1060.
- Hauser, Grover C., and J. H. Dolan, Rochester, N. Y. Attaching wooden or Louis heels. No. 1,213,191; Jan. 23; v. 234; p. 1072.
- Hauser, Peter D., San Antonio, Tex. Safety-razor-blade sharpener. No. 1,224,924; May 8; v. 238; p. 337.
- Hauser Printing Company. (See Rogers, Hugh, assignor.)
- Hauser, William M., and J. McDaniel, Evansville, Ind. Hood for buffing-wheels. No. 1,218,652; Mar. 13; v. 236; p. 301.
- Haussmann, John F., Milwaukee, Wis. Piston-replacing device. No. 1,235,315; July 31; v. 240; p. 1360.
- Hautier, Camille J., Boulogne-sur-Seine, France. Internal-combustion engine. No. 1,243,835; Oct. 23; v. 243; p. 852.
- Havas, Béla. (See Mayer and Havas.)
- Havassy, Joe, Miami, Ariz. Condiment-holder. No. 1,213,634; Jan. 23; v. 234; p. 1227.
- Haven, Allison A., assignor of fifty one-hundredths to T. F. Yore, Chicago, Ill. Combined tobacco, match, and paper receptacle. No. 1,223,693; Apr. 24; v. 237; p. 1046.
- Haven, John N., Walla Walla, Wash. Soldering appliance. No. 1,215,802; Feb. 13; v. 235; p. 499.
- Havens, Elmer H., assignor of one-half to C. W. Hallenbeck, Albany, N. Y. Composition tie and rail fastener. No. 1,241,970; Oct. 2; v. 243; p. 159.
- Havens, Morton, Jr., and F. R. Meginniss, Albany, N. Y. Service-box and switch. No. 1,214,915; Feb. 6; v. 235; p. 151.
- Havens, William L., and C. N. Swanson, Topeka, Kans. Roof for railway-cars. No. 1,244,087; Oct. 23; v. 243; p. 927.
- Haverstick, Daniel F., Trenton, N. J. Floor-covering. No. 1,225,954; May 15; v. 238; p. 727.
- Haviland, Wilbur J., Marlboro, N. Y. Car-step. No. 1,214,782; Feb. 6; v. 235; p. 104.
- Havlena, Joseph F., Detroit, Mich. Telephone-mouth-piece. No. 1,241,731; Oct. 2; v. 243; p. 85.
- Havrilla, Andy, Senecaville, Ohio. Rail-joint. No. 1,226,512; May 15; v. 238; p. 916.
- Hawbaker, Claude C., *et al.* (See Arner, Joseph, assignor.)
- Hawes, Frederick W., assignor to Premier Cushion Spring Co., Detroit, Mich. Spring construction. No. 1,242,346; Oct. 9; v. 243; p. 319.
- Hawes, Olga B., Paterson, N. J. Syringe and tube hanger. No. 1,225,243; May 8; v. 238; p. 442.
- Hawk, Beecher A., *et al.* (See Burgess, John W., assignor.)
- Hawk, Emory A. (See Hawk, Geary E. and E. A.)
- Hawk, Geary E. and E. A., Camden, N. J. Washing-machine. No. 1,221,174; Apr. 3; v. 236; p. 61.
- Hawk, Lewis E., assignor of one-third to E. R. Kilpatrick, Chicago, Ill. Pneumatic-tire-alarm device. No. 1,230,071; June 12; v. 239; p. 616.
- Hawkes & Company Limited. (See Bensley, William C., assignor.)
- Hawkes, Townsend D., assignor to T. G. Hawkes & Co., Corning, N. Y. Picture-frame. No. 1,220,418; Mar. 27; v. 236; p. 987.
- Hawkes, Townsend D., assignor to T. G. Hawkes & Co., Corning, N. Y. Condiment-holder. No. 1,243,836; Oct. 23; v. 243; p. 853.
- Hawkesworth, Frank E., Los Angeles, Cal. Method of and apparatus for placer-mining. No. 1,244,203; Oct. 23; v. 243; p. 961.
- Hawkins, Charles H., Freeport, assignor to The Standard Oil Company of New York, New York, N. Y. Filling device. No. 1,222,759; Apr. 17; v. 237; p. 689.
- Hawkins, Cyrus, Collingswood, N. J., assignor of one-half to H. W. King, Philadelphia, Pa. Wiper and polisher for plate-printing and die-stamping presses. No. 1,230,897; June 26; v. 239; p. 967.
- Hawkins, David S. (See Moore and Hawkins.)
- Hawkins, Edgar M., and C. R. Seymour, assignors to M. D. Knowlton Company, Rochester, N. Y. Strip feeding and severing mechanism. No. 1,224,107; Apr. 24; v. 237; p. 1186.
- Hawkins, Edward J., Solvay, N. Y. Music-leaf turner. No. 1,211,579; Jan. 9; v. 234; p. 445.
- Hawkins, Edwin B., San Francisco, Cal. Hoisting apparatus. No. 1,234,332; July 24; v. 240; p. 1020.
- Hawkins, Elwood, Atlantic City, N. J. Operating mechanism for steam-shovels. No. 1,222,205; Apr. 10; v. 237; p. 452.
- Hawkins, Elwood, Atlantic City, N. J. Operating mechanism for steam-shovels. No. 1,250,868; Dec. 18; v. 245; p. 783.
- Hawkins, Fletcher M., Greenville, Tex. Fumigating apparatus. No. 1,225,627; May 8; v. 238; p. 574.
- Hawkins, Frank C. (See Stubblefield and Hawkins.)
- Hawkins, George W. (See Hawkins, Zachariah, assignor.)
- Hawkins, Harry F., and M. L. Stickney, Manchester, N. H., assignors, by mesne assignments, to Draper Corporation, Hopedale, Mass. Spinning-machine. No. 1,211,442; Jan. 9; v. 234; p. 399.
- Hawkins, Harry S., Alturas, assignor of one-half to L. Wilson, Cedarville, Cal. Accumulator-cell and making the same. No. 1,246,595; Nov. 13; v. 244; p. 466.
- Hawkins, J. C., Newton, Iowa. Paper-fastener. No. 1,232,541; July 10; v. 240; p. 367.
- Hawkins, Ross, Chicago, Ill. Loose-leaf holder. No. 1,215,371; Feb. 13; v. 235; p. 343.
- Hawkins, Wilford J., Montclair, N. J. Projectile-fuse. No. 1,216,802; Feb. 20; v. 235; p. 905.
- Hawkins, Wilford J., Montclair, N. J. Projectile-fuse time-train ring. No. 1,233,466; July 17; v. 240; p. 704.
- Hawkins, William L., Fort Worth, Tex. Mold for making blocks of plastic material. No. 1,236,559; Aug. 14; v. 241; p. 364.
- Hawkins, Zachariah, assignor of one-half to G. W. Hawkins, Canton, Ohio. Nut-lock. No. 1,214,783; Feb. 6; v. 235; p. 104.
- Hawkinson, Florence D., *et al.* (See Hawkinson, Nils W., assignor.)
- Hawkinson, Nils W., assignor of one-fourth to F. D. Hawkinson, Santa Ana, Cal., and one-fourth to J. C. Gardner, Indianapolis, Ind. Street and station indicator. No. 1,232,424; July 3; v. 240; p. 294.
- Hawks, Harry L., Fleming, Pa. Tool-adjuster for cultivators. No. 1,235,468; July 31; v. 240; p. 1404.
- Hawks, Moses L., New York, N. Y. Combined tie-guard and collar-button. No. 1,217,173; Feb. 27; v. 235; p. 1075.
- Hawks, Moses L., New York, N. Y. Game apparatus. No. 1,219,456; Mar. 20; v. 236; p. 611.
- Hawks, Moses L., New York, N. Y. Shoe-lace-fastening device. No. 1,220,629; Mar. 27; v. 236; p. 1061.
- Hawks, Moses L., New York, N. Y. Needle-threader. No. 1,239,270; Sept. 4; v. 242; p. 177.
- Hawks, William, assignor to Hugo Manufacturing Company, Duluth, Minn. Boiler-stand. No. 1,245,228; Nov. 6; v. 244; p. 27.
- Hawsworth, William. (See Thickett and Hawsworth.)
- Hawley, Charles G., Chicago, Ill. Apparatus for milking cattle. No. 1,236,431; Aug. 14; v. 241; p. 321.
- Hawley, Edgar R., Salt Lake City, Utah. Vacuum-operated liquid-fuel-feeding device. No. 1,216,992; Feb. 20; v. 235; p. 968.
- Hawley, Elmer A., assignor of one-half to C. T. Smith, Des Moines, Iowa. Pneumatic scaling-tool. No. 1,224,089; Apr. 24; v. 237; p. 1179.
- Hawley, Eugene W., Philadelphia, Pa. Extensible supporter for garment-hangers. No. 1,219,736; Mar. 20; v. 236; p. 709.
- Hawley, Frank M. (See Nedoma, Charles L., assignor.)
- Hawley, George W., Bridgeport, Conn. Valve for explosive-engines. No. 1,235,029; July 31; v. 240; p. 1274.
- Hawley, George W., Bridgeport, Conn., assignor to Kny-Scheerer Corporation, New York, N. Y. Foot-support. No. 1,239,789; Sept. 11; v. 242; p. 369.
- Hawley, George W., Bridgeport, Conn., assignor to Kny-Scheerer Corporation, New York, N. Y. Extension-splint. No. 1,242,688; Oct. 9; v. 243; p. 429.
- Hawley, Henry S. (See Fitzgerald, John M., assignor.)
- Hawley, Herbert C., Harlowton, Mont. Label-cabinet. No. 1,248,653; Dec. 4; v. 245; p. 66.
- Hawley, Jesse G., Elmira, assignor of one-half to W. S. Smith, Watkins, N. Y. Auxiliary air-supply device for motors. No. 1,220,419; Mar. 27; v. 236; p. 987.
- Hawley, John B., Carthage, N. Y. Table vessel. No. 1,243,405; Oct. 16; v. 243; p. 683.

Alphabetical list of patentees—Continued.

- Hawley, John F., Chillicothe, Mo. Railway-tie and rail-fastening. No. 1,218,554; Mar. 6; v. 236; p. 229.
- Hawley, John F., and F. L. Moss, Chillicothe, Mo. Circuit-closer. No. 1,233,231; July 10; v. 240; p. 591.
- Hawley, John F., and F. L. Moss, Chillicothe, Mo. Railway-crossing signal. No. 1,244,204; Oct. 23; v. 243; p. 961.
- Hawley, Lee F., Madison, Wis. Producing phenolic bodies from wood-tar oils. (Reissue.) No. 14,388; Oct. 30; v. 243; p. 1289.
- Hawley, Royal A., assignor of one-third to J. Driver and one-third to J. Rubenkoenig, Graham, Tex. Road-grader. No. 1,213,869; Jan. 30; v. 234; p. 1336.
- Hawley, Royal A., assignor of one-third to A. B. Eddleman and one-third to W. B. Douglas, Graham, Tex. Gate or door closing device. No. 1,231,526; June 26; v. 239; p. 1177.
- Hawley, William D. (See Hitchcock and Hawley.)
- Hawley, William D., Syracuse, assignor to International Time Recording Company of New York, Endicott, N. Y. Time-recorder. No. 1,240,203; Sept. 18; vol. 242; p. 537.
- Hawn, Andrew P., Goodland, assignor, by mesne assignments, to Advance-Rumely Company, Laporte, Ind. Tractor. No. 1,215,372; Feb. 13; v. 235; p. 343.
- Hawn, Andrew P., assignor to The H. & D. Company, Goodland, Ind. Automatic spark-adjusting attachment. No. 1,222,399; Apr. 10; v. 237; p. 521.
- Haworth, Walter N., and J. C. Irvine, St. Andrews, Scotland. Manufacture of hypochlorous acid. No. 1,227,049; May 22; v. 238; p. 1135.
- Hawthorne, Charles W., Hamilton, Ontario, Canada. Rolling-mill. No. 1,228,433; June 5; v. 239; p. 20.
- Hawthorne, Charles W., Buffalo, N. Y., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Cooling mechanism for rolling-mill rolls. No. 1,234,899; July 31; v. 240; p. 1233.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Lamp. No. 1,214,916; Feb. 6; v. 235; p. 152.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Door and glazing retainer. No. 1,215,274; Feb. 6; v. 235; p. 276.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Vehicle lamp. No. 1,218,766; Mar. 13; v. 236; p. 343.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Vehicle lamp. No. 1,220,334; Mar. 27; v. 236; p. 958.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Marking implement. No. 1,222,948; Apr. 17; v. 237; p. 753.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Battery-receptacle. No. 1,223,167; Apr. 17; v. 237; p. 829.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Vehicle-lamp. No. 1,224,463; May 1; v. 238; p. 126.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Clamp. No. 1,239,595; Sept. 11; v. 242; p. 307.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Lamp. No. 1,242,185; Oct. 9; v. 243; p. 268.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Lamp. No. 1,242,186; Oct. 9; v. 243; p. 269.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Lamp. No. 1,248,654; Dec. 4; v. 245; p. 67.
- Hawthorne, John A., Jr. (See Gagnon and Hawthorne.)
- Hawthorne, Louis A. (See Morgan and Hawthorne.)
- Hawthorne, Louis A. (See Wurts and Hawthorne.)
- Hawthorne, Louis A., Newark, N. J., assignor to Steel Utilities, Incorporated. Metal-working machine. No. 1,241,251; Sept. 25; v. 242; p. 896.
- Hawthorne, Louis A., Newark, N. J., assignor to Steel Utilities, Incorporated. Metal-working machine. No. 1,241,252; Sept. 25; v. 242; p. 897.
- Hawthorne, Louis A., Newark, N. J., assignor to Steel Utilities, Incorporated. Metal-punching machine. No. 1,241,255; Sept. 25; v. 242; p. 898.
- Hawthorne, Louis A., Newark, N. J., assignor to Steel Utilities, Incorporated. Metal-working machine. No. 1,241,256; Sept. 25; v. 242; p. 898.
- Hawthorne, Louis A., Newark, N. J., assignor to Steel Utilities, Incorporated. Metal-punching machine. No. 1,241,258; Sept. 25; v. 242; p. 899.
- Hawthorne, Louis A., Newark, N. J., assignor to Steel Utilities, Incorporated. Machine for identifying structural beams. No. 1,241,261; Sept. 25; v. 242; p. 901.
- Hawthorne, Louis A., Newark, N. J., assignor to Steel Utilities, Incorporated. Machine for making distance-record sheets for metal-working machines. No. 1,241,262; Sept. 25; v. 242; p. 901.
- Hawthorne, Louis A., Newark, N. J., assignor to Steel Utilities, Incorporated. Metal-punching machine. No. 1,241,267; Sept. 25; v. 242; p. 903.
- Hawthorne, Louis A., Newark, N. J., assignor to Steel Utilities, Incorporated. Crating apparatus for bottles and the like. No. 1,243,406; Oct. 16; v. 243; p. 683.
- Hawthorne, Louis A., Newark, N. J., assignor to Steel Utilities, Incorporated. Bottle-crating mechanism. No. 1,243,407; Oct. 16; v. 243; p. 684.
- Hawthorne, Louis A., Newark, N. J., assignor to Steel Utilities, Incorporated. Bottle-crating mechanism. No. 1,243,408; Oct. 16; v. 243; p. 684.
- Hawthorne Manufacturing Company, The. (See Madden, Edward J., assignor.)
- Hawthorne, Primm R., assignor to R. E. Gallagher, Spokane, Wash. Tractor-drive attachment. No. 1,245,337; Nov. 6; v. 244; p. 58.
- Hawthorne, Samuel C. (See Graham and Hawthorne.)
- Hawthurst, John J., Jr., Brooklyn, and E. F. Nicolai, Port Washington, assignors to H. & N. Carbureter Company, New York, N. Y. Carbureter. No. 1,210,799; Jan. 2; v. 234; p. 144.
- Hay, Levi C., assignor to American Type Founders Company, Jersey City, N. J. Tape-coupling. No. 1,247,269; Nov. 20; v. 244; p. 697.
- Hay, Lyman T. (See Ehrlich, Leo, assignor.)
- Hay, Marley F., The Hague, Netherlands. Oil-fuel and compensating tank for submarines. No. 1,245,716; Nov. 6; v. 244; p. 174.
- Hay, Marley F., and C. Ekama, The Hague, Netherlands. Apparatus for moving diving-rudders of submarines. No. 1,216,564; Feb. 20; v. 235; p. 823.
- Hay, Marley F., and F. Guhrauer, The Hague, Netherlands. Silencer for combustion-engines of submarines. No. 1,216,565; Feb. 20; v. 235; p. 823.
- Hay, Walter, Seville, Ohio. Sprocket-wheel. No. 1,222,625; Apr. 17; v. 237; p. 642.
- Hay, Walter, Seville, assignor, by mesne assignments, to The Automatic Addressing Machine Company, Cleveland, Ohio. Combined printing and addressing machine. No. 1,236,930; Aug. 14; v. 241; p. 485.
- Hay, William C., Los Angeles, Cal. Making plaster and mortar. No. 1,231,211; Sept. 25; v. 242; p. 882.
- Hayashi, Harry, Elmhurst, Cal. Wrapping device. (Re-issue.) No. 14,318; June 19; v. 239; p. 909.
- Hayden, Florence G. (See Heghinian, Garabed G., assignor.)
- Hayden, Frederick B., Belleville, N. J. Lamp. No. 1,237,035; Aug. 14; v. 241; p. 519.
- Hayden, Harold P., Perth Amboy, N. J., assignor to The Barber Asphalt Paving Company, Philadelphia, Pa. Amelioration of soil. No. 1,228,361; May 29; v. 238; p. 1603.
- Hayden, Henry A., Jersey City, N. J., assignor to M. H. Harris, New York, N. Y. Eyeglass-polisher container. No. 1,242,187; Oct. 9; v. 243; p. 269.
- Hayden, John J. (See Kogler, Peter J., assignor.)
- Hayden, William R., Indianola, Nebr. Cattle-poke. No. 1,228,913; June 5; v. 239; p. 183.
- Hayden, Willard A., assignor to R. Seligmann, Seattle, Wash. Collar-fastener. No. 1,235,469; July 31; v. 240; p. 1404.
- Hayden, Zerah G., Eldora, Iowa. Ladder. No. 1,250,311; Dec. 18; v. 245; p. 616.
- Hayes, Albert, Salt Lake City, Utah, assignor to Moving Advertisement Company. Picture-holder. No. 1,210,934; Jan. 2; v. 234; p. 192.
- Hayes, Albert, New York, N. Y., assignor to Carnot Development Corporation. Rotary pump. No. 1,238,139; Aug. 28; v. 241; p. 941.
- Hayes, Albert, New York, N. Y., assignor to Carnot Development Corporation. Burner. No. 1,241,111; Sept. 25; v. 242; p. 851.
- Hayes, Albert, New York, N. Y., assignor to Carnot Development Corporation. Treatment of iron or steel. No. 1,241,112; Sept. 25; v. 242; p. 851.
- Hayes, Albert, New York, N. Y., assignor to Carnot Development Corporation. Solution for the treatment of iron or steel. No. 1,241,113; Sept. 25; v. 242; p. 851.
- Hayes, Charles E., assignor to Cranska Thread Company, Worcester, Mass. Bobbin-winding machine. No. 1,210,643; Jan. 2; v. 234; p. 93.
- Hayes, Charles J. W., Detroit, Mich. Mechanical movement. No. 1,246,918; Nov. 20; v. 244; p. 597.
- Hayes, Charles L. (See Blashfield, James M., assignor.)
- Hayes Diefenderfer Co. (See Diefenderfer, Alfred J., assignor.)
- Hayes, Frank A., Pelham Manor, N. Y. Variable-speed power-transmission mechanism. No. 1,229,076; June 5; v. 239; p. 235.
- Hayes, Frank, Pasadena, Cal. Self-centering hydraulic bearing. No. 1,238,515; Aug. 28; v. 241; p. 1064.
- Hayes, Hugh L., et al. (See Cameron, Francis G., assignor.)
- Hayes, Jesse C., Rochelle, Ill. Lubricator. No. 1,222,949; Apr. 17; v. 237; p. 753.
- Hayes, John, Amsterdam, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Sewing-machine. No. 1,216,687; Feb. 20; v. 235; p. 864.
- Hayes, John P., assignor of one-half to J. E. Barnhart, Pittsburgh, Pa. Switch board or mounting. No. 1,228,362; May 29; v. 238; p. 1603.
- Hayes, John P., assignor of one-half to J. E. Barnhart, Pittsburgh, Pa. Switchboard. No. 1,234,471; July 24; v. 240; p. 1067.
- Hayes, John V., Ossining, N. Y. Cloth-hanger. No. 1,250,453; Dec. 18; v. 245; p. 659.
- Hayes Manufacturing Company, The. (See Hayes, Oscar, assignor.)
- Hayes, Oscar, assignor to The Hayes Manufacturing Company, Denver, Colo. Vapor crating and mixing device for gas-engines. No. 1,244,730; Oct. 30; v. 243; p. 1160.
- Hayes, Oscar, assignor to The Hayes Manufacturing Company, Denver, Colo. Vapor forming and injecting device for gas-engines. No. 1,244,731; Oct. 30; v. 243; p. 1160.
- Hayes Pump & Planter Company. (See Hayes, Ralph W. E., assignor.)
- Hayes, Ralph V., Brooklyn, N. Y. Air-cushion device for vehicles. No. 1,220,630; Mar. 27; v. 236; p. 1061.

- Hayes, Ralph W. E., assignor of one-half to Hayes Pump & Planter Company, Galva, Ill. Attachment for spray-rods. No. 1,225,029; May 8; v. 238; p. 372.
- Hayes, Richard F. (See Freeman, George L., assignor.)
- Hayes, Robert, Alma Center, Wis. Armored motor-car. No. 1,248,325; Nov. 27; v. 244; p. 1031.
- Hayes, Robert D., assignor to Index Visible, Incorporated, New Haven, Conn. Index or file. No. 1,223,168; Apr. 17; v. 237; p. 830.
- Hayes, Robert D., assignor to Index Visible, Incorporated, New Haven, Conn. Index or file. No. 1,224,636; May 1; v. 238; p. 185.
- Hayes, Stanley W., Richmond, Ind. Derail. No. 1,235,971; Aug. 7; v. 241; p. 145.
- Hayes, Stanley W., Richmond, Ind. Derail. No. 1,235,972; Aug. 7; v. 241; p. 145.
- Hayes, Stephen Q., and C. M. Moss, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Switching device. No. 1,227,434; May 22; v. 238; p. 1261.
- Hayes, Thomas F., Jackson, Tenn. Belt and trousers supporter. No. 1,239,439; Sept. 4; v. 242; p. 229.
- Hayes, Thomas J., Boston, Mass. Belt-punching tool. No. 1,231,020; June 26; v. 239; p. 1010.
- Hayes, Thomas J., Boston, Mass. Belt-cutting tool. No. 1,231,021; June 26; v. 239; p. 1010.
- Hayes, Thomas J., Roslindale, assignor to Arbetter Felling Machine Company, Boston, Mass. Feeding mechanism for blindstitching-machines. No. 1,225,628; May 8; v. 238; p. 574.
- Hayes, Thomas J., Roslindale, assignor to Arbetter Felling Machine Company, Boston, Mass. Slack-thread-take-up mechanism for blindstitch sewing-machines. No. 1,245,338; Nov. 6; v. 244; p. 59.
- Hayes, Thomas J., assignor to Arbetter Felling Machine Company, Boston, Mass. Seam for sewed articles. No. 1,226,210; May 15; v. 238; p. 814.
- Hayes, Thomas J., assignor to Arbetter Felling Machine Company, Boston, Mass. Blindstitch sewing-machine. No. 1,230,159; June 19; v. 239; p. 683.
- Hayford, Eugene S., New Orleans, La. Apparatus for raising sunken ships. No. 1,228,914; June 5; v. 239; p. 184.
- Haymond, Walter O., Muncie, Ind. Thermostat. No. 1,240,139; Sept. 11; v. 242; p. 476.
- Haymond, Wirt L., Webster Groves, assignor of one-half to H. A. Morsman, St. Louis, Mo. Lawn-mower. No. 1,247,832; Nov. 27; v. 244; p. 894.
- Hayn, August F. (See Freytag and Hayn.)
- Hayn, Peter, Brooklyn, N. Y. Cigarette-making machine. No. 1,223,874; Apr. 24; v. 237; p. 1108.
- Hayne, Edward G., Ottawa, Ill. Lid-lifting device. No. 1,223,887; Apr. 24; v. 237; p. 934.
- Hayne, Edward G., Ottawa, Ill. Sound-conveyer arm. No. 1,240,342; Sept. 18; vol. 242; p. 580.
- Haynes, Charles M., Chillicothe, Ohio. Aligning device for spectacle and eyeglass mountings. No. 1,219,396; Mar. 13; v. 236; p. 561.
- Haynes, Charles R. (See Kinsley, Morron, and Haynes.)
- Haynes, David W., Lakemp, Okla. Titilable turn-table. No. 1,225,030; May 8; v. 238; p. 372.
- Haynes, Frank, et al. (See Harris, Richard G., assignor.)
- Haynes, John O. (See Haynes, Warren S., assignor.)
- Haynes, Robert J., Razor, Tex. Gathering and exterminating machine. No. 1,239,103; Sept. 4; v. 242; p. 123.
- Haynes, Warren S., Marshalltown, assignor of one-half to J. O. Haynes, Garwin, Iowa. Antiswitching device. No. 1,236,432; Aug. 14; v. 241; p. 321.
- Haynes, William J., St. Louis, Mo. Automatic valve. No. 1,213,870; Jan. 30; v. 234; p. 1336.
- Haynie, Warren P., assignor to C. W. Emory, Philadelphia, Pa. Dust-proof bearing. No. 1,235,470; July 31; v. 240; p. 1405.
- Haynie, William M., Newnan, Ga. Vehicle-jack. No. 1,233,467; July 17; v. 240; p. 704.
- Hays, Charles I. (See Page, Richard M., assignor.)
- Hays, Frank T. (See Rumsey, James W., assignor.)
- Hays, James M., Jefferson City, Mo. Saddle-tree. No. 1,214,458; Jan. 30; v. 234; p. 1537.
- Hays, J. Smith, et al. (See Eades, Rodger, assignor.)
- Hays, John R., Brooklyn, N. Y. Printing-press. No. 1,229,610; June 12; v. 239; p. 467.
- Hays, Louis, assignor to The Kaynee Company, Cleveland, Ohio. Combination-garment. No. 1,221,051; Apr. 3; v. 237; p. 16.
- Hays, Louis H., Cleveland, Ohio. Machine for cutting shirts, blouses, and the like. No. 1,249,621; Dec. 11; v. 245; p. 375.
- Hays Manufacturing Company. (See Hitchcock, Otto G., assignor.)
- Hays, Thomas M., Huntington, W. Va. Insole for shoes. No. 1,248,108; Nov. 27; v. 244; p. 969.
- Hayslett, Edgar, Warsaw, Ind. Spring-roller. No. 1,219,100; Mar. 13; v. 236; p. 459.
- Haysley, Harry R., South Louisville, Ky. Rule-holder. No. 1,250,166; Dec. 18; v. 245; p. 573.
- Hayton, Charles B., Ceres, Va. Rail-joint. No. 1,221,731; Apr. 3; v. 237; p. 253.
- Hayton, Thomas R., Appleton, Wis. Device for covering holes in vessels. No. 1,226,881; May 22; v. 238; p. 1078.
- Hayward, Charles O., Richland, Mich. Hat-hanger. No. 1,227,906; May 29; v. 238; p. 1453.
- Hayward Company, The. (See Armstrong, Philip M., assignor.)
- Hayward Company, The. (See Atkinson, Herbert S., assignor.)
- Hayward Company, The. (See Atkinson and Brendlin, assignors.)
- Hayward Company, The. (See Morris, Charles A., assignor.)
- Hayward, Harold A., New York, N. Y. Fluid-pressure governor. No. 1,216,116; Feb. 13; v. 235; p. 613.
- Hayward, Henry E., Indianapolis, Ind., assignor to Link-Belt Company, Chicago, Ill. Drive-chain. No. 1,223,972; Apr. 24; v. 237; p. 1141.
- Hayward, Judson, Teaneck, N. J. Bucket. No. 1,232,542; July 10; v. 240; p. 367.
- Hayward, Martin A. (See Buck, Vertrude P., assignor.)
- Hayward, Melville P., Quincy, Mass. Apple-corer. No. 1,213,361; Jan. 23; v. 234; p. 1133.
- Haywood, Claude F. (See Winfield and Haywood.)
- Hazard, Henry T., assignor of one-half to P. Jauss, Los Angeles, Cal. Mechanism for steering automobiles. (Reissue.) No. 14,385; Oct. 30; v. 243; p. 1286.
- Haze, Henry P., Sheldon, Iowa. Rat and mouse trap. No. 1,245,911; Nov. 6; v. 244; p. 233.
- Hazel-Atlas Glass Company. (See Stenhouse, Thomas, assignor.)
- Hazel, George W., Camden, N. J., assignor, by mesne assignments, to Hazel Safety Nut Company, Philadelphia, Pa. Locking-nut. No. 1,242,689; Oct. 9; v. 243; p. 429.
- Hazel Safety Nut Company. (See Hazel, George W., assignor.)
- Hazelett, Earl T., Phoenix, Ariz. Case for check and memorandum pads. No. 1,239,596; Sept. 11; v. 242; p. 308.
- Hazelrigg, Wesley T., El Dara, Ill. Ensilage-packer. No. 1,235,893; Aug. 7; v. 241; p. 119.
- Hazeltine, Stacy B., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Yoke. No. 1,242,801; Oct. 9; v. 243; p. 464.
- Hazelton, Carl J., assignor to American Narrow Fabric Company, Worcester, Mass. Garment-supporter. No. 1,231,603; July 3; v. 240; p. 22.
- Hazelton, Fred S., Norton, Kans. Fastener. No. 1,243,291; Oct. 16; v. 243; p. 650.
- Hazelton, Robert T., and W. H. Vockell, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Slotting-cutter. No. 1,250,869; Dec. 18; v. 245; p. 783.
- Hazen, Edward H., and S. L. Levi, New York, N. Y. Horseshoe. No. 1,227,133; May 22; v. 238; p. 1165.
- Hazen, James A., and L. D. Gentzler, Holyoke, Colo. Collapsible crate. No. 1,210,800; Jan. 2; v. 234; p. 145.
- Hazen, Josiah O., administrator. (See Hazen, Marshman W.)
- Hazen, Marshman W., deceased, New York, N. Y.; J. O. Hazen, Haverhill, Mass., administrator, assignor to Corona Typewriter Company, Incorporated. Type-writing machine. No. 1,247,110; Nov. 20; v. 244; p. 652.
- Hazlewood, William A., assignor of one-half to J. A. Whiteside, Fort Worth, Tex. Locomotive driving-box. No. 1,227,907; May 29; v. 238; p. 1453.
- Head, Arthur F. H., assignor to The J. G. Brill Company, Philadelphia, Pa. Radiating car-truck. No. 1,232,917; July 10; v. 240; p. 491.
- Head, Arthur F. H., assignor to The J. G. Brill Company, Philadelphia, Pa. Radiating truck. No. 1,232,918; July 10; v. 240; p. 491.
- Head, Charles W., et al. (See Smith, John C., assignor.)
- Head, John E., North Salem, Mo. Tower structure. No. 1,250,167; Dec. 18; v. 245; p. 573.
- Head, Joseph A., Fruitland, assignor of one-half to J. W. Blair, Johnstown, Ohio. Truck. No. 1,243,063; Oct. 16; v. 243; p. 583.
- Head, Vernon, Alexander, Tex. Support for line-wires. No. 1,247,531; Nov. 20; v. 244; p. 771.
- Heading, Charles B., et al. (See Heading, Clay N., assignor.)
- Heading, Clay N., Chehalis, assignor of one-third to G. A. Hansen, Centralia, one-sixth to C. B. Heading, and one-sixth to N. J. Heading, Chehalis, Wash. Car-coupling. No. 1,238,764; Sept. 4; v. 242; p. 13.
- Heading, Newton J., et al. (See Heading, Clay N., assignor.)
- Headen, James M., Hamer, S. C. Dirigible head-lamp. No. 1,213,635; Jan. 23; v. 234; p. 1227.
- Headley, Arthur C. (See Sammons, Headley, Eiland, and Headley.)
- Headley, Carl W., Danville, Ill. Receptacle. No. 1,231,022; June 26; v. 239; p. 1011.
- Headley, Euel K. (See Sammons, Headley, Eiland, and Headley.)
- Headley, Frederick H., Birmingham, England. Spring-mounting for vehicles. No. 1,245,339; Nov. 6; v. 244; p. 59.
- Headley Good Roads Company et al. (See Headley, Thomas B., assignor.)
- Headley, Greita L., et al. (See Headley, Thomas B., assignor.)
- Headley, Thomas B., assignor of one-half to G. L. Headley, and one-half to Headley Good Roads Company, Philadelphia, Pa. Continuous mixer. No. 1,246,003; Nov. 6; v. 244; p. 256.

Alphabetical list of patentees—Continued.

- Headley, William E. Jr., Missoula, Mont. Signaling device. No. 1,242,690; Oct. 9; v. 243; p. 429.
- Heafey, Thomas J. (See Stott and Heafey.)
- Heal, William S. (See Ichm, Henry, assignor.)
- Heald, Antoinette D. A. (See Heald, Joseph C., assignor.)
- Heald, James N., and A. M. Drake, assignors to Heald Machine Company, Worcester, Mass. Wheel-guard. No. 1,250,168; Dec. 18; v. 245; p. 573.
- Heald, Joseph C., assignor to A. D. A. Heald, Newfield, Me. Crate. No. 1,211,700; Jan. 9; v. 234; p. 486.
- Heald, Leonard, Montreal, Quebec, Canada. Hydraulic mechanism for railway devices. No. 1,239,007; Sept. 4; v. 242; p. 92.
- Heald Machine Company. (See Drake, Alden M., assignor.)
- Heald Machine Company. (See Griffith, Winfield S., assignor.)
- Heald Machine Company. (See Heald and Drake, assignors.)
- Healey, Arthur W., Jamestown, N. D. Operating mechanism for washing-machines. No. 1,240,204; Sept. 18; vol. 242; p. 537.
- Healey, Arthur W., Jamestown, N. D. Washing apparatus. No. 1,240,205; Sept. 18; vol. 242; p. 538.
- Healey, Earl B., Arcadia, Fla. Garment-hanger. No. 1,243,519; Oct. 16; v. 243; p. 719.
- Healey, Thomas F., assignor to Thos. E. Wilson & Co., Chicago, Ill. Shoe. No. 1,250,312; Dec. 18; v. 245; p. 616.
- Healey, Warren M., New York, N. Y. Roof for automobile or other closed bodies. No. 1,237,902; Aug. 21; v. 241; p. 832.
- Healy & Co. (See Douglas, William H., assignor.)
- Healy, Joseph F., Irene, S. D. Ensilage harvester and cutter. No. 1,245,458; Nov. 6; v. 244; p. 95.
- Healy, William P., Chicago, Ill., assignor, by mesne assignments, to Wirebound Patents Company, Kittery, Me. Making wire-bound-box blanks. No. 1,248,414; Nov. 27; v. 244; p. 1056.
- Heaney, David, Troy, Pa. Weighing device for forks or shovels. No. 1,210,644; Jan. 2; v. 234; p. 93.
- Heaney, Ethel M., administratrix. (See Heaney, William A.)
- Heaney, John T., Kansas City, Mo. Slip-folding machine. No. 1,237,514; Aug. 21; v. 241; p. 709.
- Heaney, William A., assignor to W. F. Warden, Akron, Ohio. Clutch. No. 1,248,109; Nov. 27; v. 244; p. 969.
- Heaney, William A., deceased, Akron; E. M. Heaney, administratrix, Bethesda, assignor to W. F. Warden, Cuyahoga Falls, Ohio. Clutch. No. 1,248,110; Nov. 27; v. 244; p. 970.
- Heany, John A., assignor to Patents Experiment Corporation, New York, N. Y. Electric insulation. No. 1,211,443; Jan. 9; v. 234; p. 400.
- Heany, John A., assignor to Patents Experiment Corporation, New York, N. Y. Electric heating device. No. 1,245,459; Nov. 6; v. 244; p. 95.
- Heap, Jesse J., New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Overseaming-machine. No. 1,233,572; July 17; v. 240; p. 741.
- Heard, Charles E., Washington, D. C. Flashing and fastening strip for roofs. No. 1,218,937; Mar. 13; v. 236; p. 405.
- Heard, Lucius B., assignor to A. J. Berry, Los Angeles, Cal. Paper-roll protector. No. 1,218,179; Mar. 6; v. 236; p. 101.
- Heard, Thomas M., Jr., Sioux City, Iowa. Tooth-brush. No. 1,250,454; Dec. 18; v. 245; p. 659.
- Heard, William C., Hemphill, Tex. Sawmill-carriage track. No. 1,218,180; Mar. 6; v. 236; p. 101.
- Heaslet, James G., Detroit, Mich., assignor to The Studebaker Corporation. Rear-axle and transmission construction. No. 1,212,635; Jan. 16; v. 234; p. 846.
- Heaslet, James G., Detroit, Mich., assignor to The Studebaker Corporation. Collapsible seat. No. 1,231,156; June 26; v. 239; p. 1058.
- Heaslet, James G., Detroit, Mich., assignor to The Studebaker Corporation. Assemblage of internal-combustion engines and their associated mechanisms. No. 1,237,331; Aug. 21; v. 241; p. 650.
- Heaslet, James G., Detroit, Mich., assignor to The Studebaker Corporation. Spark control in combustion engines. No. 1,239,689; Sept. 11; v. 242; p. 338.
- Heasley, Joseph E., Butler, Pa. Combination clothes-line and clothes-pin construction. No. 1,211,312; Jan. 2; v. 234; p. 321.
- Heath, Almon D., Fort Wayne, Ind., assignor to Wayne Oil Tank and Pump Company. Lock. No. 1,247,532; Nov. 20; v. 244; p. 771.
- Heath, Almon D., Fort Wayne, Ind., assignor to Wayne Oil Tank & Pump Company. Discharge device for pumps. No. 1,247,533; Nov. 20; v. 244; p. 772.
- Heath, Arthur E., London, England. Sparking-plug. No. 1,234,757; July 31; v. 240; p. 1189.
- Heath, Bruce C., Louisville, Ky. Eye-cup. No. 1,244,498; Oct. 30; v. 243; p. 1089.
- Heath, Elmer, et al. (See Cook, Don J., assignor.)
- Heath, Frank, National City, Cal. Pocket-camera. No. 1,244,851; Oct. 30; v. 243; p. 1195.
- Heath, Frederick, Tacoma, Wash. Hollow-wall construction. No. 1,215,149; Feb. 6; v. 235; p. 232.
- Heath, Frederick, Tacoma, Wash. Lintel. No. 1,244,328; Oct. 23; v. 243; p. 1006.
- Heath, George W., Newark, N. J. Demountable pen-clip. No. 1,247,957; Nov. 27; v. 244; p. 928.
- Heath, Harry C., San Francisco, Cal. Siren. No. 1,238,291; Aug. 28; v. 241; p. 992.
- Heath, Lewis W., Hastings, Mich. Connector for circuit-wires. No. 1,225,127; May 8; v. 238; p. 405.
- Heath, Miles, et al. (See Cook, Don J., assignor.)
- Heath, Ora J. (See Turner and Heath.)
- Heath Self-Opening Stopper Company. (See Heath, William E., assignor.)
- Heath, Spencer, Baltimore, Md. Flexible shaft. No. 1,245,229; Nov. 6; v. 244; p. 27.
- Heath, Spencer, Washington, D. C., assignor to American Propeller and Manufacturing Co. Measuring instrument. No. 1,245,340; Nov. 6; v. 244; p. 59.
- Heath, Wilfrid P., St. Paul, Minn. Revolution-counter. No. 1,216,117; Feb. 13; v. 235; p. 613.
- Heath, William E., Baltimore, Md. Sealing-closure for bottles, jars, and other receptacles. No. 1,214,675; Feb. 6; v. 235; p. 68.
- Heath, William E., assignor to Heath Self-Opening Stopper Company, Baltimore, Md. Receptacle-capping machinery. No. 1,233,468; July 17; v. 240; p. 705.
- Heath, William E., assignor to Heath Self-Opening Stopper Company, Baltimore, Md. Container-capping machinery. No. 1,233,469; July 17; v. 240; p. 705.
- Heath, William R. (See Crumpton, William J., assignor.)
- Heath, William R. (See Tallmadge, Charles H., assignor.)
- Heathcote, Henry L., England, assignor to Rudge-Whitworth Limited, Coventry, England. Temperature-determining device. No. 1,234,333; July 24; v. 240; p. 1020.
- Heatherbell, George A., Deep Bay, Port Cygnet, Tasmania, Australia. Automatic trap-nest. No. 1,221,175. Apr. 3; v. 237; p. 61.
- Heatley, James. (See Pendlebury and Heatley.)
- Heaton, Herman C., Berwyn, Ill. Condenser. No. 1,232,304; July 3; v. 240; p. 257.
- Heaton, Herman C., Chicago, Ill., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-generator. No. 1,242,438; Oct. 9; v. 243; p. 347.
- Heaton, Herman O. (See Sargent and Heaton.)
- Heatlie, Fred W., Kentland, Ind. Figure toy. No. 1,229,953; June 12; v. 239; p. 579.
- Hebbard, Charles B., Joplin, Mo. Automobile-lock. No. 1,250,313; Dec. 18; v. 245; p. 617.
- Hebbeler, George J., Cincinnati, Ohio. Vehicle. No. 1,215,528; Feb. 13; v. 235; p. 400.
- Hebden, Frank S., Chicago, assignor of one-half to F. R. Dennis, Peoria, Ill. Scale. No. 1,237,332; Aug. 21; v. 241; p. 650.
- Heberling, John, Rochester, N. Y. Closure for bottles and jars. No. 1,244,088; Oct. 23; v. 243; p. 928.
- Hebern, William. (See Rial and Hebern.)
- Heberly, Mary G., Springville, N. Y. Protector for telephone-mouthpieces. No. 1,214,459; Jan. 30; v. 234; p. 1537.
- Hebert, Frank P., assignor of one-half to G. J. Henry, San Francisco, Cal. Curing olives and product thereof. No. 1,211,844; Jan. 9; v. 234; p. 538.
- Hebert, Raoul J., Worcester, Mass. Die-stock. No. 1,241,377; Sept. 25; v. 242; p. 936.
- Hebert, Ubald, Manchester, N. H., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Automatic filling-replenishing loom. No. 1,218,256; Mar. 6; v. 236; p. 130.
- Hebert, Ubald, Manchester, N. H., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Automatic filling-replenishing loom. No. 1,218,257; Mar. 6; v. 236; p. 130.
- Hebert, Ubald, Manchester, N. H., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Automatic filling-replenishing loom. No. 1,218,258; Mar. 6; v. 236; p. 131.
- Hebert, Ubald, Manchester, N. H., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Shuttle. No. 1,226,613; May 15; v. 238; p. 947.
- Heblg, Henry C., New York, N. Y., assignor to W. P. Hammond, Passaic, N. J. Shock-absorber for vehicles. No. 1,210,645; Jan. 2; v. 234; p. 93.
- Hechenbleikner, Ingenuin. (See Pfahler and Hechenbleikner.)
- Hechenbleikner, Ingenuin, Charlotte, N. C., assignor to Southern Electro-Chemical Company, New York, N. Y. Electric-furnace-wall construction. No. 1,217,306; Feb. 27; v. 235; p. 1120.
- Hechenbleikner, Ingenuin, Charlotte, N. C., assignor to Southern Electro Chemical Company, New York, N. Y. Process and apparatus for oxidizing gases. No. 1,249,392; Dec. 11; v. 245; p. 309.
- Hecht, Charles E., Irvington, N. J. Brush-holder. No. 1,228,774; June 5; v. 239; p. 137.
- Hecht, Herbert A., Paterson, N. J. Physician's mask. No. 1,221,446; Apr. 3; v. 237; p. 156.
- Hecht, Josef, and C. Cizenzfeld, Baltimore, Md.; said Cizenzfeld assignor, by mesne assignments, to said Hecht. Fountain-brush. No. 1,217,597; Feb. 27; v. 235; p. 1224.
- Hecht, Louie, Coon Valley, Wis. Barrel-support. No. 1,235,471; July 31; v. 240; p. 1405.
- Heck, Augustus, Springfield, Mass. Wrapping-machine. No. 1,239,597; Sept. 11; v. 242; p. 308.

- Heck, Louis, Newark, N. J. Dispensing device. No. 1,244,205; Oct. 23; v. 243; p. 961.
- Heckard, Jacob D., Astoria, Oreg. Driving mechanism. No. 1,213,636; Jan. 23; v. 234; p. 1227.
- Heckathorn, Michael S., Ten Mile Bottom, Pa. Saw-clamp. No. 1,220,108; Mar. 20; v. 236; p. 840.
- Heckman, Homer H., assignor of one-third to R. C. Rowen, Freeport, Ill. Automatic film control. No. 1,237,333; Aug. 21; v. 241; p. 651.
- Heckman, Ora E., Akron, Ohio. Cross-wrapping machine. No. 1,215,934; Feb. 13; v. 235; p. 547.
- Heckman, Ora E., Akron, Ohio. Trimming device for rubber-cloth and the like. No. 1,216,315; Feb. 20; v. 235; p. 735.
- Heckman, T. A. (See Nicholson, Niels C., assignor.)
- Heckmann, George T., St. Louis, Mo. Clamp for antiskid devices. No. 1,238,765; Sept. 4; v. 242; p. 14.
- Heckmann, Julius F., Lupus, Mo. Gun-magazine. No. 1,230,707; June 19; v. 239; p. 866.
- Heckmann, Oscar L., St. Charles, Mo. File handle or holder. No. 1,231,884; July 3; v. 240; p. 118.
- Hecox, Charles E., Ontonagon, Mich. Hose-clamp. No. 1,233,054; July 10; v. 240; p. 534.
- Hedberg, Edward W., Chicago, Ill. Chair. No. 1,228,434; June 5; v. 239; p. 20.
- Hedden, Ray G., Arrowrock, Idaho. Hose-coupling. No. 1,245,912; Nov. 6; v. 244; p. 233.
- Hedden, Riter, Benton, Pa. Automatic railway-switch. No. 1,233,470; July 17; v. 240; p. 706.
- Hedeen, Herbert L., Lake Andes, S. D. Automobile-head-light. No. 1,245,913; Nov. 6; v. 244; p. 233.
- Hedendahl, Theodore A., Denver, Colo. Fluid-pressure-controlled reversing-gear. No. 1,232,797; July 10; v. 240; p. 451.
- Hedgcock, William C., Chicago, Ill., assignor to American Steel Foundries, New York, N. Y. Draft-yoke. No. 1,223,489; Apr. 24; v. 237; p. 971.
- Hedgcock, William C., Chicago, Ill., assignor to American Steel Foundries, New York, N. Y. Brake. No. 1,223,582; Apr. 24; v. 237; p. 1004.
- Hedgcock, William C., Chicago, Ill., assignor to American Steel Foundries, New York, N. Y. Clasp-brake. No. 1,223,973; Apr. 24; v. 237; p. 1141.
- Hedges, Harry K., Los Angeles, Cal. Walking attachment for motor-cars. No. 1,229,954; June 12; v. 239; p. 579.
- Hedin, Josef E. (See Waite and Hedin.)
- Hedler, Henry J., Occum, assignor to F. B. Ricketson, Taftville, Conn. Filling-exhaustion-detector mechanism for looms. No. 1,237,903; Aug. 21; v. 241; p. 832.
- Hedley, Frank. (See Doyle and Hedley.)
- Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Safety life-guard attachment for cars. No. 1,210,935; Jan. 2; v. 234; p. 192.
- Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Double-deck car. No. 1,217,174; Feb. 27; v. 235; p. 1075.
- Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Street-sweeping machine. No. 1,241,114; Sept. 25; v. 242; p. 851.
- Hedlund, David C., Spokane, Wash. Combination-tool. No. 1,250,455; Dec. 18; v. 245; p. 659.
- Hedlund, Gustaf E., Lynn, Mass. Making welt-shoes. No. 1,229,077; June 5; v. 239; p. 235.
- Hedly, Arthur H., Chicago, Ill., assignor to The Ludlow Typograph Company, Cleveland, Ohio. Machine for making typograph-matrices and the like. No. 1,237,642; Aug. 21; v. 241; p. 750.
- Hedman, Carl M., *et al.* (See Engstrom, Ivan, assignor.)
- Hedman, Herbert R., *et al.* (See Engstrom, Ivan, assignor.)
- Hedmark, Joseph H., Chicago, Ill. Valve. No. 1,244,604; Oct. 30; v. 243; p. 1121.
- Hedrick, Edwin, Kenilworth, assignor to Bauder Identification Company, Chicago, Ill. Registering fingerprints. No. 1,248,111; Nov. 27; v. 244; p. 970.
- Hedrick, Floyd C., Kentland, Ind. Automatic firearm. No. 1,249,622; Dec. 11; v. 245; p. 375.
- Hedrick, Glenn A., Seattle, Wash. Fuel-mixing device. No. 1,237,779; Aug. 21; v. 241; p. 794.
- Heebner, Daniel G., Lansdale, Pa. Straw-cutting machine. No. 1,213,192; Jan. 23; v. 234; p. 1072.
- Heeley, George, assignor to Cie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz, Paris, France. Mechanism of dry meters and like apparatus. No. 1,223,875; Apr. 24; v. 237; p. 1108.
- Heeley, George, assignor to Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz, Paris, France. Payment-in-advance meter. No. 1,235,686; Aug. 7; v. 241; p. 50.
- Heeley, Joseph, Wigan, England. Tire-inflating pump. No. 1,216,688; Feb. 20; v. 235; p. 865.
- Heenan & Froude. (See Walker, George H., assignor.)
- Heenan & Froude Limited. (See Heenan, John N. D., assignor.)
- Heenan, John N. D., Chapel Walks, assignor to Heenan & Froude Limited, Manchester, England. Superheater for locomotive, marine, and other tubular boilers. No. 1,227,435; May 22; v. 238; p. 1261.
- Heeren, Charles G., Long Island City, N. Y. Shoe. No. 1,223,694; Apr. 24; v. 237; p. 1046.
- Heeren, George, Gillespie, Ill. Shoe for dumping-cages. No. 1,246,596; Nov. 13; v. 244; p. 466.
- Heermans, John G., *et al.* (See Bjorkman, Alfred, assignor.)
- Heesh, Frank, Lake Como, Pa. Match-box. No. 1,221,732; Apr. 3; v. 237; p. 253.
- Heeter, Charles M., Butler, Pa. Samson-post and rig-iron. No. 1,240,715; Sept. 18; v. 242; p. 694.
- Heeter, Jessie J. (See Ford, Loy, and Heeter.)
- Heeter, Thomas E., St. Louis, Mo., assignor to Boorum & Pease Loose Leaf Book Company, New York, N. Y. Loose-leaf binder. No. 1,236,560; Aug. 14; v. 241; p. 364.
- Heffelfinger, Glen B. (See Tyler and Heffelfinger.)
- Hefferman, Jeremiah W., *et al.* (See Osser, Percy S., assignor.)
- Heffernan, James H., Albany, N. Y. Shoe for automobile-tires. No. 1,249,623; Dec. 11; v. 245; p. 375.
- Heffley, William H., Duncannon, Pa. Game device. No. 1,220,420; Mar. 27; v. 236; p. 988.
- Heffner, William H., Spartanburg, S. C. Folding table. No. 1,220,631; Mar. 27; v. 236; p. 1062.
- Heffin, William D., Sardis, Miss. Planter. No. 1,212,946; Jan. 16; v. 234; p. 953.
- Hefner, John M., Redwater, Tex. Seed-dropper. No. 1,235,139; July 31; v. 240; p. 1307.
- Heft, Seth H., Detroit, Mich., assignor to The Pressed Steel Equipment Company, Chicago, Ill. Dust-guard. No. 1,232,305; July 3; v. 240; p. 257.
- Hefler, Victor R., Detroit, Mich., assignor to Société anonyme du Carburateur Zenith, Lyon, France. Carburer. No. 1,222,400; Apr. 10; v. 237; p. 522.
- Hegeler, Herman. (See Hegeler, Julius W. and H.)
- Hegeler, Julius W., and H. Hegeler, deceased, L. S. Hegeler, executrix, assignors to The Hegeler Zinc Company, Danville, Ill. Zinc-smelting furnace. No. 1,227,050; May 22; v. 238; p. 1136.
- Hegeler, Louise S., executrix. (See Hegeler, Julius W. and H.)
- Hegeler Zinc Co., The. (See Hegeler, Julius W. and H., assignors.)
- Heghinian, Garabed G., New York, N. Y. Calculating-machine. No. 1,234,758; July 31; v. 240; p. 1190.
- Heghinian, Garabed G., New York, N. Y., assignor to F. G. Hayden, Quincy, Mass. Reinforcement for composition coverings for structural members. No. 1,251,020; Dec. 25; v. 245; p. 878.
- Heginbottom, Frank H., assignor to S. H. Heginbottom & Sons, Saginaw, Mich. Jump-spark plug. No. 1,213,637; Jan. 23; v. 234; p. 1227.
- Heginbottom, Samuel H., Saginaw, Mich. Climbout and shovel. No. 1,218,767; Mar. 13; v. 236; p. 344.
- Hehle, Boniface, Kansas City, Mo. Stop-register. No. 1,211,580; Jan. 9; v. 234; p. 446.
- Heichert, Herman S., assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Leer. No. 1,232,798; July 10; v. 240; p. 452.
- Heid, Frank, Tarrytown, N. Y. Wheeled chair. No. 1,235,973; Aug. 7; v. 241; p. 145.
- Heiden, Louis W., Arthur, N. D. Grain-handling device. No. 1,225,031; May 8; v. 238; p. 373.
- Heidenreich, Eryind L., and W. A. Collings, Kansas City, Mo.; said Heidenreich assignor to said Collings. Reinforced concrete construction. No. 1,213,483; Jan. 23; v. 234; p. 1174.
- Heidenreich, Isidor, Chicago, Ill. Advertising novelty. No. 1,235,799; Aug. 7; v. 241; p. 88.
- Heidgerken, Herman J., Philipsburg, Mont. Water-heater. No. 1,212,636; Jan. 16; v. 234; p. 846.
- Heidl, Karl A., Columbus, Ohio. Lawn-trimmer. No. 1,222,950; Apr. 17; v. 237; p. 754.
- Heidt, Jacob G., Evansville, Ind. Ice-hook. No. 1,250,169; Dec. 18; v. 245; p. 574.
- Heidt, Webster B. (See Chandler, Elbert R., assignor.)
- Heikkila, John E., Syracuse, N. Y. Automatic window-latch. No. 1,233,055; July 10; v. 240; p. 534.
- Heilbrun, Monroe E., New York, N. Y., assignor to Gem Fountain Pen Corporation, Fountain Pen, No. 1,231,256; June 26; v. 239; p. 1089.
- Heilig, Cyrus H., York, Pa. Dough-chute for dough-divider hoppers. No. 1,219,737; Mar. 20; v. 236; p. 709.
- Heilemann, Walter, and O. Behnke, Essen-on-the-Ruhr, and N. Koch, Essen-on-the-Rellinghausen, assignors to Fried Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Device for adjusting the recoil length in fluid recoil-brakes for guns. No. 1,227,134; May 22; v. 238; p. 1166.
- Heilman, Guy C., Philadelphia, Pa. Brick-kiln. No. 1,237,036; Aug. 14; v. 241; p. 519.
- Heilmann, William A., Newark, N. J., assignor to The R. Neumann Hardware Co. Bag-frame. No. 1,220,224; Mar. 27; v. 236; p. 917.
- Heilmann, William A., Newark, N. J., assignor to The R. Neumann Hardware Co. Sheet-metal bag-frame. No. 1,224,540; May 1; v. 238; p. 152.
- Heim, Adam, Liberty, Ind. Reel. No. 1,214,031; Jan. 30; v. 234; p. 1393.
- Heim, Charles B., Marco, Ind. Rug-beater. No. 1,237,205; Aug. 14; v. 241; p. 569.
- Heim, Lewis R., assignor to The Ball and Roller Bearing Company, Danbury, Conn. Feeding device for roll-grinding machines. No. 1,210,936; Jan. 2; v. 234; p. 193.
- Heim, Lewis R., assignor to The Ball and Roller Bearing Company, Danbury, Conn. Roll-grinding machine. No. 1,210,937; Jan. 2; v. 234; p. 193.

Alphabetical list of patentees—Continued.

- Heim, Lewis R., assignor to The Ball and Roller Bearing Company, Danbury, Conn. Ball-cage for bearings. No. 1,222,760; Apr. 17; v. 237; p. 690.
- Heimann, Heinrich, Dessau, Germany, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Sulfur dyes and their manufacture. No. 1,251,368; Dec. 25; v. 245; p. 980.
- Heimann, Heinrich, Dessau, Germany, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Dyes and manufacture thereof. No. 1,251,369; Dec. 25; v. 245; p. 980.
- Heimann, Morris A., St. Louis, Mo. Motor and support for display-forms and the like. No. 1,223,876; Apr. 24; v. 237; p. 1109.
- Heimark, Selmer H., Hawley, Minn. Rope-measuring device. No. 1,225,128; May 8; v. 238; p. 405.
- Heimbach, Joseph F., trustee. (See McClelland, Earby H., assignor.)
- Heimer, Granville A., Pen Argyl, Pa. Sounding toy. No. 1,234,472; July 24; v. 240; p. 1067.
- Heimerl, Julius E., Milwaukee, Wis. Heated receptacle for meals. No. 1,227,782; May 29; v. 238; p. 1410.
- Hein, Adolf, Berlin, Germany. Cock. No. 1,213,484; Jan. 23; v. 234; p. 1174.
- Hein, Fannie, New York, N. Y. Telephone attachment. No. 1,217,445; Feb. 27; v. 235; p. 1169.
- Heinauer, William J., assignor of one-half to F. J. Parry, Massillon, Ohio. Machine for polishing rods. No. 1,243,837; Oct. 23; v. 243; p. 853.
- Heindl, William C., Rochester, N. Y. Thermostatic regulator. No. 1,218,768; Mar. 13; v. 236; p. 344.
- Heindl, William C., East Orange, assignor to The Whitehead & Hoag Company, Newark, N. J. Spout attachment for powder-containing receptacles. No. 1,239,181; Sept. 4; v. 242; p. 147.
- Heine, Friedrich, White Plains, N. Y. Lawn-trimmer. No. 1,216,566; Feb. 20; v. 235; p. 824.
- Heine, Leopold A., Chicago, Ill. Electrically-operated coin-controlled mechanism. No. 1,236,168; Aug. 7; v. 241; p. 205.
- Heineck, Urban F., Portland, Oreg. Motor-handle shield. No. 1,214,032; Jan. 30; v. 234; p. 1393.
- Heineman, Joseph, New York, N. Y. Button. No. 1,229,452; June 12; v. 239; p. 412.
- Heinemann, Jakob, Oshkosh, Wis. Pin-setting device. No. 1,230,898; June 26; v. 239; p. 967.
- Heinen, Frank C. (See McCanna and Heinen.)
- Heinen, Fred E., et al. (See Laurents, Louis V., assignor.)
- Heinen, William C., et al. (See Laurents, Louis V., assignor.)
- Heiner, Max L. (See Comer, John L., assignor.)
- Heinkel, Christian F., and W. G. Lueters, Cleveland, Ohio. Surfacing-machine. No. 1,227,051; May 22; v. 238; p. 1136.
- Heins, Otto, Edgewater, N. J., assignor to Bosch Magneto Company, New York, N. Y. Starting internal-combustion engines. No. 1,230,160; June 19; v. 239; p. 684.
- Heins, Otto, assignor to Bosch Magneto Company, New York, N. Y. Magneto-dynamo unit. No. 1,250,870; Dec. 18; v. 245; p. 783.
- Heins, Otto, New York, N. Y., and C. M. Wild, Springfield, Mass., assignors to Bosch Magneto Company, New York, N. Y. Magneto. No. 1,225,330; May 8; v. 238; p. 474.
- Heins, Otto, New York, N. Y., and C. M. Wild, Springfield, Mass., assignors to Bosch Magneto Company, New York, N. Y. Electric starting system for internal-combustion engines. No. 1,232,799; July 10; v. 240; p. 452.
- Heins, Otto, New York, N. Y., and C. M. Wild, Springfield, Mass., assignors to Bosch Magneto Company, New York, N. Y. Starting internal-combustion engines. No. 1,240,973; Sept. 25; v. 242; p. 808.
- Heins, Otto, New York, N. Y., and C. M. Wild, Springfield, Mass., assignors to Bosch Magneto Company, New York, N. Y. Starting internal-combustion engines. No. 1,241,115; Sept. 25; v. 242; p. 852.
- Heins, Otto, New York, and V. W. Kliersath, Port Washington, assignors to Bosch Magneto Company, New York, N. Y. Distributing mechanism for electrical ignition systems. No. 1,226,658; May 22; v. 238; p. 1001.
- Heinsius, Albert J., Pittsburgh, Pa. Locking mechanism for chains. No. 1,241,477; Sept. 25; v. 242; p. 965.
- Heiny, Anatole C., New York, N. Y. Electric display apparatus. No. 1,220,110; Mar. 20; v. 236; p. 841.
- Heiny, Anatole C., Flushing, N. Y., assignor to Heiny Electric Co. Electric display system. No. 1,220,109; Mar. 20; v. 236; p. 840.
- Heiny, Anatole C., New York, N. Y. Apparatus for changing direct electric currents into interrupted alternating currents. No. 1,242,549; Oct. 9; v. 243; p. 383.
- Heiny Electric Co. (See Heiny, Anatole C., assignor.)
- Heinze, John O., Jr., assignor to General Motors Company, Detroit, Mich. Engine. No. 1,220,335; Mar. 27; v. 236; p. 959.
- Heinze, John O., Detroit, Mich., assignor to The John O. Heinze Company, Springfield, Ohio. Electric steering mechanism. No. 1,231,885; July 3; v. 240; p. 118.
- Heinze, William, Darby, Pa. Film-reeling device. No. 1,217,598; Feb. 27; v. 235; p. 1224.
- Heinzlering, Theodore, Brooklyn, N. Y. Rim for vehicle-wheels and means for securing it. No. 1,238,766; Sept. 4; v. 242; p. 14.
- Heise, Arthur R. (See Dyer and Heise.)
- Heise, Thomas K., Columbus, Ohio. Detachable-gauntlet glove. No. 1,217,307; Feb. 27; v. 235; p. 1120.
- Heiser, Edgar F., Kingston, Mo. Cylinder-reboring mechanism. No. 1,231,347; June 26; v. 239; p. 1119.
- Heisey & Co., A. H. (See Sanford, Andrew J., assignor.)
- Heising, Raymond A., East Orange, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Thermionic voltmeter. No. 1,232,919; July 10; v. 240; p. 491.
- Heising, Raymond A., East Orange, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Oscillation-generator. No. 1,240,206; Sept. 18; v. 242; p. 538.
- Heisler, Charles L., Schenectady, N. Y. Commuted-fuel-feeding apparatus. No. 1,237,334; Aug. 21; v. 241; p. 651.
- Heisler, Charles L., Schenectady, N. Y. Milling-machine. No. 1,239,911; Sept. 11; v. 242; p. 410.
- Heisler, Charles L., Schenectady, N. Y. Powder-blending apparatus. No. 1,241,212; Sept. 25; v. 242; p. 882.
- Heisler, Charles L., Schenectady, N. Y. Projectile-fuse-testing apparatus. No. 1,241,218; Sept. 25; v. 242; p. 883.
- Heisler, Charles L., Schenectady, N. Y. Distributing powdered material. No. 1,248,851; Dec. 4; v. 245; p. 126.
- Heisler Locomotive Works. (See Swabb, George L., assignor.)
- Heitman, John, assignor of one-half to R. Lomen, Nome, Alaska. Graphophone and other disk record holder. No. 1,242,550; Oct. 9; v. 243; p. 384.
- Heitmänn, Clarence F., Minot, N. D. Blower snow-plow. No. 1,233,664; July 17; v. 240; p. 770.
- Heitz, Louis R. and L. T., Muscatine, Iowa. Device for emptying liquid-containers. No. 1,223,047; Apr. 17; v. 237; p. 787.
- Heitz, Louis T. (See Heitz, Louis R. and L. T.)
- Heldner, Ernst G., Youngstown, Ohio. Condenser. No. 1,248,112; Nov. 27; v. 244; p. 970.
- Helbert, John T. (See Fahrney, John J., assignor.)
- Helbronner, André, Paris, France. Manufacture of cement. No. 1,239,912; Sept. 11; v. 242; p. 410.
- Helcher, William C., Gallion, Ohio. Funnel. No. 1,233,352; July 17; v. 240; p. 665.
- Held, Paul, St. Cloud, Minn. Merry-go-round. No. 1,234,473; July 24; v. 240; p. 1067.
- Helden, Alfred H., Kansas City, Mo. Combined tractor and bevel. No. 1,223,974; Apr. 24; v. 237; p. 1141.
- Heldrich, Andrew, Philadelphia, Pa., assignor to Multiplex Sales Register Company, Louisville, Ky. Autographic register. No. 1,216,312; Feb. 20; v. 235; p. 734.
- Heldrich, Andrew, assignor to P. Kovsky, Philadelphia, Pa. Key-cutting machine. No. 1,218,653; Mar. 13; v. 236; p. 302.
- Hele-Shaw, Henry S., and F. L. Martineau, London, England. Rotary pump or motor. No. 1,250,170; Dec. 18; v. 245; p. 574.
- Helfenbein, Harry, Cleveland, Ohio. Hoisting apparatus. No. 1,239,271; Sept. 4; v. 242; p. 178.
- Helfenstein, Alois, Vienna, Austria-Hungary. Apparatus for refining metals by heating. No. 1,220,111; Mar. 20; v. 236; p. 842.
- Helfenstein, Alois, Vienna, Austria, assignor to Union Carbide Company. Multiple-hearth electric furnace. No. 1,223,278; Apr. 17; v. 237; p. 863.
- Helfrich, Charles M., et al. (See Webster, Lewis E., assignor.)
- Helin, Henning. (See Sodervall and Helin.)
- Helios Manufacturing Company. (See Spencer, Thomas, assignor.)
- Helle, Warren W., Hinsdale, assignor to Starite Manufacturing Company, Chicago, Ill. Shade-roller. No. 1,238,014; Aug. 21; v. 241; p. 867.
- Hellein, Charley R., Greensburg, Pa. Dispensing apparatus. No. 1,238,403; Aug. 28; v. 241; p. 1028.
- Heller, Carl. (See Doujak, Maria, assignor.)
- Heller, Emil A., New York, N. Y. Combustion-accelerator. No. 1,211,149; Jan. 2; v. 234; p. 264.
- Heller, Ernest B., assignor, by mesne assignments, to The Vacuum Churn Corporation, New York, N. Y. Vacuum-churn. No. 1,212,483; Jan. 16; v. 234; p. 791.
- Heller, Harry W., Portland, Oreg. Burglar-proof safe or vault. No. 1,234,022; July 17; v. 240; p. 884.
- Heller, Henry, Winona, Minn. Auxiliary air-valve. No. 1,235,800; Aug. 7; v. 241; p. 88.
- Heller, Hugo, Cologne, Germany. Softening water. No. 1,247,833; Nov. 27; v. 244; p. 894.
- Heller, Joseph, Peoria, Ill. Refrigerator show-case. No. 1,237,644; Aug. 21; v. 241; p. 750.
- Heller, Leo, Teplitz, Austria-Hungary. Electric heater. No. 1,216,313; Feb. 20; v. 235; p. 734.
- Heller, Louis, and E. Neese, Round Top, Tex. Hand manure-scraper. No. 1,229,955; June 12; v. 239; p. 579.
- Heller & Son, L. (See Challet, Etienne, assignor.)
- Hellermann, August L., Dusseldorf, Germany. Apparatus for making corrugated and creased wooden shavings. No. 1,229,747; June 12; v. 239; p. 511.
- Hellesens Enke & V. Ludvigsen. (See Brönsted, Johannes N., assignor.)

- Hellick, Edward E. (See Schneebeli, Hellick, and Halde-man.)
- Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system for single-phase motors. No. 1,224,166; May 1; v. 238; p. 18.
- Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,224,167; May 1; v. 238; p. 18.
- Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,231,604; July 3; v. 240; p. 22.
- Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,231,605; July 3; v. 240; p. 22.
- Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Regenerative control system for alternating-current motors. No. 1,232,033; July 3; v. 240; p. 168.
- Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,233,353; July 17; v. 240; p. 665.
- Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,233,354; July 17; v. 240; p. 666.
- Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Ventilating construction for dynamo-electric machines. No. 1,238,292; Aug. 28; v. 241; p. 993.
- Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of distribution and control. No. 1,242,936; Oct. 16; v. 243; p. 542.
- Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,242,937; Oct. 16; v. 243; p. 542.
- Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System and method of control. No. 1,246,423; Nov. 13; v. 244; p. 413.
- Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,246,424; Nov. 13; v. 244; p. 414.
- Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,246,425; Nov. 13; v. 244; p. 414.
- Hellmund, Rudolf E., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,249,954; Dec. 11; v. 245; p. 473.
- Hellström, Carl O. F., Stockholm, Sweden. Detachable button. No. 1,239,104; Sept. 4; v. 242; p. 123.
- Hellström, Gustaf, Kingsway, London, England. Suction-roll. No. 1,234,543; July 24; v. 240; p. 1089.
- Hellwig, William, Kansas City, Kans. Chicken-house. No. 1,218,259; Mar. 6; v. 236; p. 181.
- Helm, Mayme, Ghent, Ky. Wire-stretcher. No. 1,220,421; Mar. 27; v. 236; p. 682.
- Helm, Virgil L. (See Rosenfield, Helm, and Key.)
- Helmberger, Mathias, New York, N. Y. Attachment on ships or submarines for cutting through wire netting. No. 1,247,111; Nov. 20; v. 244; p. 652.
- Helmchen, John G. and W. C., Chicago, Ill. Flank stretcher and former. No. 1,232,920; July 10; v. 240; p. 492.
- Helmchen, Walter C. (See Helmchen, John G. and W. C.)
- Helme and McIlhenny. (See Brown, William L., assignor.)
- Helmer, Milton J., assignor of one-half to S. L. Stone, Chicago, Ill. Spring-support and shock-absorber for vehicle-bodies. No. 1,216,993; Feb. 20; v. 235; p. 969.
- Helmkamp, William A., River Grove Ill. Drinking-fountain. No. 1,232,543; July 10; v. 240; p. 368.
- Helmond, William F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,214,159; Jan. 30; v. 234; p. 1434.
- Helmond, William F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,223,279; Apr. 17; v. 237; p. 864.
- Helmond, William F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,225,331; May 8; v. 238; p. 475.
- Helmuth, Frederick C., Lynbrook, assignor to Standard Oil Company of New York, New York, N. Y. Multiple filling apparatus. No. 1,213,362; Jan. 23; v. 234; p. 1133.
- Helsel, Reuben H., assignor to Columbia Weighing Machine Company, New York, N. Y. Weighing-scale. No. 1,235,974; Aug. 7; v. 241; p. 146.
- Helsel, Reuben H., assignor to Columbia Weighing Machine Company, New York, N. Y. Weighing-scale. No. 1,242,551; Oct. 9; v. 243; p. 384.
- Helseth, Isak, Thief River Falls, Minn. Incinerator. No. 1,245,914; Nov. 6; v. 244; p. 233.
- Helsley, George R. (See Callaway and Helsley.)
- Helson, Gilbert F., assignor to E. R. Durkee & Co., New York, N. Y. Apparatus for elevating and lowering the bearings of rotating devices. No. 1,244,206; Oct. 23; v. 243; p. 962.
- Helwig, Frank W., Millersburg, Pa. Foldable trestle. No. 1,243,520; Oct. 16; v. 243; p. 719.
- Helwig, Oscar F., assignor to Standard Die & Specialty Company, Chicago, Ill. Cream-cup. No. 1,222,206; Apr. 10; v. 237; p. 453.
- Hembrook, Herman J. (See Caley, Garfield H., assignor.)
- Hemenway, John F. (See Wright, Rea P., assignor.)
- Hemenway, John F., New York, N. Y. Clothes-wringer. No. 1,211,701; Jan. 9; v. 234; p. 486.
- Hemenway, John F., New York, N. Y. Pressure-roll release for clothes-wringers. No. 1,211,702; Jan. 9; v. 234; p. 487.
- Hemenway, John F., New York, N. Y. Pressure-roll release for clothes-wringers. No. 1,219,457; Mar. 20; v. 236; p. 612.
- Hemenway, John F., New York, N. Y. Pressure-release for clothes-wringers. No. 1,220,112; Mar. 20; v. 236; p. 842.
- Hemenway, John F., New York, N. Y. Pressure-roll release for clothes-wringers. No. 1,220,113; Mar. 20; v. 236; p. 842.
- Hemenway, John F., New York, N. Y. Pressure-roll release for clothes-wringers. No. 1,220,114; Mar. 20; v. 236; p. 843.
- Hemenway, John F., New York, N. Y. Automatic pressure-release for clothes-wringers. No. 1,220,115; Mar. 20; v. 236; p. 843.
- Hemenway, John F., New York, N. Y. Pressure-releasing device for clothes-wringers. No. 1,220,116; Mar. 20; v. 236; p. 844.
- Hemenway, John F., New York, N. Y. Pressure-roll release for clothes-wringers. No. 1,220,117; Mar. 20; v. 236; p. 844.
- Hemenway, John F., New York, N. Y. Pressure-release for clothes-wringers. No. 1,220,118; Mar. 20; v. 236; p. 845.
- Hemenway, John F., New York, N. Y. Pressure-release for clothes-wringers. No. 1,220,119; Mar. 20; v. 236; p. 845.
- Hemenway, John F., New York, N. Y. Clothes-wringer. No. 1,220,120; Mar. 20; v. 236; p. 845.
- Hemenway, John F., New York, N. Y. Clothes-wringer. No. 1,220,121; Mar. 20; v. 236; p. 846.
- Hemenway, John F., New York, N. Y. Automatic pressure-roll release for clothes-wringers. No. 1,224,541; May 1; v. 238; p. 153.
- Hemenway, John F., New York, N. Y. Clothes-wringer. No. 1,226,331; May 15; v. 238; p. 859.
- Hemenway, John F., New York, N. Y. Automatic pressure-release for clothes-wringers. No. 1,250,171; Dec. 18; v. 245; p. 574.
- Hemenway, Justin S., River Falls, Wis. Demountable rim for automobiles. No. 1,218,938; Mar. 13; v. 236; p. 405.
- Hemig, Fred J., assignor to Crown Maltose Company, Chicago, Ill. Maltose and making the same. No. 1,214,160; Jan. 30; v. 234; p. 1435.
- Hemingway, Sylvanus, Norwich, N. Y. Railway-bed. No. 1,250,871; Dec. 18; v. 245; p. 784.
- Hemleb, Martin, Elizabeth, N. J., assignor to The Singer Manufacturing Company. Rotary-hook sewing-machine. No. 1,226,973; May 22; v. 238; p. 1111.
- Hemme, August, Dublin, Ontario, Canada. Trap. No. 1,233,573; July 17; v. 240; p. 741.
- Hemme, August, Dublin, Ontario, Canada. Earth-cutting blade. No. 1,233,574; July 17; v. 240; p. 741.
- Hemming, Carl H., New Haven, Conn. Gun-barrel-polishing machine. No. 1,237,037; Aug. 14; v. 241; p. 520.
- Hemming, Frank P., New Haven, Conn. Pocket-knife. No. 1,248,852; Dec. 4; v. 245; p. 126.
- Hemphill Manufacturing Company. (See Bedard, Emil, assignor.)
- Hemphill Mfg. Co. (See Bosworth, George P., assignor.)
- Hemphill Manufacturing Company. (See Wilcomb, Frank, assignor.)
- Hench & Drongold Company. (See Birnstock, William W., assignor.)
- Henckler, William, St. Louis, Mo. Valve-lock. No. 1,243,936; Oct. 23; v. 243; p. 882.
- Hendee, Jennie A., assignor of one-half to L. B. Hendee, Marietta, Ill. Sto-e-lid lifter. No. 1,241,378; Sept. 25; v. 242; p. 936.
- Hendee, Lewis B. (See Hendee, Jennie A., assignor.)
- Hendee Manufacturing Company. (See Gustafson, Carl J., assignor.)
- Hendee Manufacturing Company. (See Gustafson and Ellingham, assignors.)
- Hendee Manufacturing Company. (See Jacobson, Edward B., assignor.)
- Henderson, Albert H., assignor to The Henderson Rubber Company, Baltimore, Md. Article of manufacture. No. 1,215,275; Feb. 6; v. 235; p. 276.
- Henderson, Angus. (See Moore, William E., assignor.)
- Henderson, Charles F., Madisonville, assignor to The Kemper-Thomas Company, Norwood, Ohio. Wall-bracket. No. 1,241,732; Oct. 2; v. 243; p. 85.
- Henderson, Carl, Oak Park, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Adjustable gripper-pad. No. 1,231,606; July 3; v. 240; p. 23.

Alphabetical list of patentees—Continued.

- Henderson, Carl, Oak Park, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Lithographic dampening mechanism. No. 1,231,737; July 3; v. 240; p. 68.
- Henderson, Charles F., Madisonville, assignor to The Kemper-Thomas Company, Norwood, Ohio. Toy gun. No. 1,234,163; July 24; v. 240; p. 965.
- Henderson, Charles H., Fort Orchard, Wash. Automatic siphon-regulator. No. 1,235,316; July 31; v. 240; p. 1361.
- Henderson, Christopher. (See Sandford, Charles, Sr., assignor.)
- Henderson, Clarence M., and E. Cocks, Berkeley, Cal. Wall-bed foot-rail connection. No. 1,228,915; June 5; v. 239; p. 184.
- Henderson, Clark T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,222,207; Apr. 10; v. 237; p. 453.
- Henderson, Clark T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Work-support for cutting-machines. No. 1,233,355; July 17; v. 240; p. 666.
- Henderson, Clark T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Variable-speed controller. No. 1,233,877; July 17; v. 240; p. 838.
- Henderson, Clark T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Vehicle-controller. No. 1,238,910; Sept. 4; v. 242; p. 61.
- Henderson, Clark T., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electromagnetic winding. No. 1,239,008; Sept. 4; v. 242; p. 93.
- Henderson, Clark T., assignor by mesne assignments, to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electromagnetic separator. No. 1,245,717; Nov. 6; v. 244; p. 174.
- Henderson, Clark T., and H. J. Harries, assignors to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,238,516; Aug. 28; v. 241; p. 1065.
- Henderson, Clinton H., Martinez, Cal. Tamper and temple for concrete work. No. 1,220,986; Mar. 27; v. 236; p. 1180.
- Henderson, Edmond H. (See Dowle, Frederick J., assignor.)
- Henderson, Edwin L., assignor to The Kemper-Thomas Company, Norwood, Ohio. Paper hat. No. 1,239,483; Sept. 11; v. 242; p. 272.
- Henderson, Frederick A., Creston, Iowa. Drying-room for rugs, carpets, and the like. No. 1,238,517; Aug. 28; v. 241; p. 1065.
- Henderson, George A. (See Holland and Henderson.)
- Henderson, George H., Dayton, Tex. Folding table. No. 1,242,347; Oct. 9; v. 243; p. 319.
- Henderson, George K., assignor to International Printing Company, Indianapolis, Ind. Printing-machine. No. 1,237,206; Aug. 14; v. 241; p. 570.
- Henderson, Harry. (See Brownrigg, Henderson, and Case.)
- Henderson, James B., Lee, England. Gyro-compass. No. 1,226,882; May 22; v. 238; p. 1078.
- Henderson, James D., and C. Zolniger, Frederick, Okla. Insect-guard. No. 1,213,638; Jan. 23; v. 234; p. 1228.
- Henderson, James D., Monmouth, Ill. Attachment for motor-vehicles. No. 1,229,956; June 12; v. 239; p. 580.
- Henderson, James W. (See Wristen and Henderson.)
- Henderson, James W., Atlanta, Ga. Horseshoe-calk. No. 1,245,101; Oct. 30; v. 243; p. 1271.
- Henderson, John C., San Francisco, Cal. Piston-ring. No. 1,214,303; Jan. 30; v. 234; p. 1487.
- Henderson, John C., Washington, D. C. Manufacture of draw-plates or dies. No. 1,243,167; Oct. 16; v. 243; p. 613.
- Henderson, John C., Washington, D. C., assignor to Driver-Harris Wire Company, Harrison, N. J. Flexible insulated electrical conductor. No. 1,228,670; June 5; v. 239; p. 100.
- Henderson, John C., Washington, D. C., assignor to Driver Harris Company, Harrison, N. J. Melting pot or crucible. No. 1,241,971; Oct. 2; v. 243; p. 160.
- Henderson, Lloyd D. (See Hewitt, Joseph D., assignor.)
- Henderson, Mabel A. C., Chicago, Ill. Hair-waver. No. 1,221,447; Apr. 3; v. 237; p. 157.
- Henderson, Robert H., East Orange, N. J. Stand for mechanical devices. No. 1,238,015; Aug. 21; v. 241; p. 867.
- Henderson Rubber Company, The. (See Henderson, Albert H., assignor.)
- Henderson, Rufus C., Kankakee, Ill. Intermittent operating mechanism. No. 1,240,140; Sept. 11; v. 242; p. 477.
- Henderson, Rufus C., Kankakee, Ill. Corn-planter. No. 1,251,021; Dec. 25; v. 245; p. 878.
- Henderson, Turner, Abington, England. Internal fitting for boiler-tubes. No. 1,243,168; Oct. 16; v. 243; p. 613.
- Henderson Wagon Works. (See Cove, Benjamin W., assignor.)
- Henderson, Watt A., Birmingham, Mich. Test-plug. No. 1,221,733; Apr. 3; v. 237; p. 253.
- Henderson, Wilbert D., San Francisco, Cal. Furring and partition channel. No. 1,227,264; May 22; v. 238; p. 1209.
- Henderson, William A., Larchmont, assignor to Holbrook Company, New York, N. Y. Vehicle-seat. No. 1,248,853; Dec. 4; v. 245; p. 126.
- Henderson, William A., Larchmont, assignor to Holbrook Company, New York, N. Y. Hinge-lock. No. 1,248,854; Dec. 4; v. 245; p. 127.
- Henderson, William A., Larchmont, assignor to Holbrook Company, New York, N. Y. Wind-shield for vehicles. No. 1,248,855; Dec. 4; v. 245; p. 127.
- Henderson, William C., Paso Robles, Cal. Starting device. No. 1,214,917; Feb. 6; v. 235; p. 152.
- Hendery, Harry C., Binghamton, N. Y., assignor to The A. & J. Manufacturing Co. Griddle-greaser. No. 1,250,872; Dec. 18; v. 245; p. 784.
- Hendler, Lionel M., Baltimore, Md. Means for blowing ice-cream from molds. No. 1,221,321; Apr. 3; v. 237; p. 113.
- Hendler, Lionel M., Baltimore, Md. Container for ice-cream blocks. No. 1,246,265; Nov. 13; v. 244; p. 365.
- Hendler, Lionel M., Baltimore, Md. Means for excluding flies and other vermin from food-containing rooms. No. 1,251,370; Dec. 25; v. 245; p. 980.
- Hendrick Manufacturing Company. (See Edmonds, Samuel O., assignor.)
- Hendricks, Allan B., Jr., Pittsfield, Mass., assignor to General Electric Company. Electrical testing apparatus. No. 1,215,150; Feb. 6; v. 235; p. 232.
- Hendricks, Benjamin F., assignor of one-sixth to J. C. McMahon, Lake Charles, La. Apparatus for marking lumber and similar products. No. 1,238,293; Aug. 28; v. 241; p. 993.
- Hendricks, Brandon. (See Riemer and Hendricks.)
- Hendricks, Clark. (See Prewitt and Hendricks.)
- Hendricks, Clyde. (See Luis, Harry G., assignor.)
- Hendricks, James S., assignor of one-half to F. B. Goetter, Colville, Wash. Hair-cleaner. No. 1,225,244; May 8; v. 238; p. 443.
- Hendricks, Jim A. (See Krugh and Hendricks.)
- Hendricks, Walter L., Aurora, Ill. Power-truck for harvesters and the like. No. 1,239,484; Sept. 11; v. 242; p. 272.
- Hendrickson, Charles J., assignor to Western Electric Company, New York, N. Y. Solenoid-operated switch. No. 1,247,399; Nov. 20; v. 244; p. 734.
- Hendrickson, Clarkson V., Jr., and J. F. Mergendeller, Brooklyn, N. Y. Fixture-support. No. 1,249,955; Dec. 11; v. 245; p. 473.
- Hendrickson, Fred K. (See Newton and Hendrickson.)
- Hendrickson, Gustaf A. and M., Chicago, Ill. Bottling-machine. No. 1,237,038; Aug. 14; v. 241; p. 520.
- Hendrickson, John F., Wollaston, Mass. Combination-lock for electric circuits. No. 1,239,790; Sept. 11; v. 242; p. 370.
- Hendrickson, Magnus, Chicago, Ill. Truck-crane. No. 1,235,472; July 31; v. 240; p. 1405.
- Hendrickson, Martin. (See Hendrickson, Gustaf A. and M.)
- Hendrickson, Robert O., Cleveland, Ohio, assignor to Wal-lis Tractor Company, Racine, Wis. Steering mechanism for tractor-engines. No. 1,235,687; Aug. 7; v. 241; p. 50.
- Hendrix, Adam R., assignor of one-half to W. H. Beall, Chicago, Ill. Carbureter. No. 1,231,886; July 3; v. 240; p. 118.
- Hendrix, Hiram E., Victoria, British Columbia, Canada. Copy-holder for type-writers. No. 1,227,436; May 22; v. 238; p. 1262.
- Hendry, Charles D. (See Lane, Hendry, and Kirkaldie.)
- Hendry, William, Tacoma, Wash. Shuttle-winder. No. 1,216,994; Feb. 20; v. 235; p. 969.
- Henel, Henry, Kansas City, Mo. Egg-case. No. 1,236,561; Aug. 14; v. 241; p. 365.
- Henemer, Robert H., New York, assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Combined exhaust and inflating nozzle for pneumatic tires. No. 1,243,521; Oct. 16; v. 243; p. 720.
- Henger, Edwin W., assignor to Waterbury Mfg. Co., Waterbury, Conn. Mounting-shell for incandescent electric lamps. No. 1,239,182; Sept. 4; v. 242; p. 147.
- Henion & Hubbell. (See Anderson, Charles E., assignor.)
- Henke, Gustave R. (See Gutt, Johann W. T., assignor.)
- Henke, William, St. Louis, Mo. Automobile-fender. No. 1,240,141; Sept. 11; v. 242; p. 477.
- Henkel & Cie. (See Weber and Noll, assignors.)
- Henkel, G. A. (See Green, Joseph B., assignor.)
- Henkes, Justus H., Vincennes, Ind. Friendship-chain. No. 1,246,598; Nov. 13; v. 244; p. 467.
- Henkle, Guy C., Chicago, Ill. Concrete-block mold. No. 1,242,439; Oct. 9; v. 243; p. 348.
- Henkle, Willard G., Garrison, Iowa. Gate-latch. No. 1,216,314; Feb. 20; v. 235; p. 734.
- Henley, John C., Fulton, Ky. Railway-signal. No. 1,243,601; Oct. 16; v. 243; p. 742.
- Henley, Joseph V., St. Louis, Mo. Mechanism for simultaneously operating two rock-shafts. No. 1,213,639; Jan. 23; v. 234; p. 1228.
- Henley, Luther S., Lebanon, and F. R. Keller, Manheim township, Lancaster county, Pa. Sympathetic governor for electric-power distribution. No. 1,236,931; Aug. 14; v. 241; p. 485.
- Henley, Nannie D., Richmond, Va. Combined coal-hod and ash-sifter. No. 1,244,605; Oct. 30; v. 243; p. 1121.
- Henley, Willoughby A., Altus, Okla. Aeroplane. No. 1,237,039; Aug. 14; v. 241; p. 520.
- Henn, Edwin C. (See Smith, Oscar A., assignor.)

- Henneberg, Wilhelm, Berlin, Germany. Producing Yog-hurt beer. No. 1,228,916; June 5; v. 239; p. 184.
- Henneböhle, Frank, Chicago, Ill. Governor-actuated fluid-controller. No. 1,237,335; Aug. 21; v. 241; p. 652.
- Hennessey, John J., Milwaukee, Wis. Adjustable side bearing. No. 1,222,951; Apr. 17; v. 237; p. 754.
- Hennessey, Hilary J., St. Paul, Minn. Ratchet winding mechanism. No. 1,212,152; Jan. 9; v. 234; p. 644.
- Hennessey, Hilary J., St. Paul, Minn. Cotter-pin. No. 1,248,655; Dec. 4; v. 245; p. 67.
- Hennessey, James J., St. Louis, Mo. Automatic journal-lubricator. No. 1,245,586; Nov. 6; v. 244; p. 135.
- Hennies, Emil M., Donnellson, Iowa. Carrier. No. 1,225,245; May 8; v. 238; p. 443.
- Hennig, Adolph C. J., Seattle, Wash. Pipe-coupling. No. 1,211,941; Jan. 9; v. 234; p. 574.
- Hennig, Albert, Hamburg, Germany. Double-acting two-stroke-cycle internal-combustion engine. No. 1,210,801; Jan. 2; v. 234; p. 145.
- Hennig, Gustav K. (See Bajde and Hennig.)
- Hennig, Gustav K., assignor to Ludwig Hupfeld, A.-G., Böhlitz-Ehrenberg, near Leipzig, Germany. Plural-note-sheet mechanism. No. 1,216,448; Feb. 20; v. 235; p. 782.
- Hennig, Gustav K., assignor to Ludwig Hupfeld Aktien-gesellschaft, Böhlitz-Ehrenberg, near Leipzig, Germany. Pneumatically-played musical instrument. No. 1,223,048; Apr. 17; v. 237; p. 788.
- Ennigan, Daniel. (See Arrouquier, Frederick E., assignor.)
- Henning, Charles F., assignor to The United States Gypsum Company, Chicago, Ill. Core for reinforced concrete or plaster floor construction. No. 1,218,999; Mar. 13; v. 236; p. 426.
- Henning, Mary L., and C. R. Woerber, Brooklyn, N. Y. Invalid's chair. No. 1,248,113; Nov. 27; v. 244; p. 971.
- Henninger, Nicholas, Jr., Syracuse, N. Y. Tie-rack. No. 1,249,393; Dec. 11; v. 245; p. 309.
- Henoeh, Milton J., Sioux City, Iowa. Adding device. No. 1,211,581; Jan. 9; v. 234; p. 446.
- Henrich, Fritz W. A., Dorchester, assignor to L. F. Buff, Jamaica Plain, Mass. Reversing mechanism. No. 1,227,783; May 29; v. 238; p. 1410.
- Henrich, William A. B., Dorchester, assignor, by mesne assignments, to W. P. Everts, Boston, Mass. Valve. No. 1,232,425; July 3; v. 240; p. 294.
- Henriksen, Frode, Morristown, N. J. Lawn-mower. No. 1,251,022; Dec. 25; v. 245; p. 879.
- Henrikson, Albert K., Keyes, Cal. Pitchfork attachment. No. 1,236,932; Aug. 14; v. 241; p. 485.
- Henrikson, Emanuel, Wethersfield, assignor to Pratt & Whitney Company, Hartford, Conn. Slide-adjusting mechanism for turret-lathes. No. 1,233,665; July 17; v. 240; p. 770.
- Henrikson, Emanuel, Wethersfield, and A. L. Frederickson, assignors to Pratt & Whitney Company, Hartford, Conn. Locking mechanism. No. 1,233,666; July 17; v. 240; p. 770.
- Henriod-Schweizer, Fritz, Neuchâtel, Switzerland. Change-speed gear. No. 1,239,272; Sept. 4; v. 242; p. 178.
- Henriquez, Alfons von, Wiener Neustadt, assignor to B. Wetzler, Vienna, Austria. Feeding device for machine for loading cartridges. No. 1,242,086; Oct. 2; v. 243; p. 196.
- Henris, John E., Folsom City, Cal. Gate. No. 1,241,972; Oct. 2; v. 243; p. 160.
- Henry, Bert, *et al.* (See Fossum, John J., assignor.)
- Henry, Charles E., assignor of one-half to A. T. Hanby, Philadelphia, Pa. Printing-machine. No. 1,248,856; Dec. 4; v. 245; p. 127.
- Henry, Charles A., assignor, by mesne assignments, to C. K. Anderson, Chicago, Ill. Adjustable metallic frame for screens and the like. (Reissue.) No. 1,436,0; Sept. 18; v. 242; p. 723.
- Henry Disston & Sons. (See King, Ernest A., assignor.)
- Henry Disston & Sons. (See Smith, William, assignor.)
- Henry, Earl, Albert Lea, Minn. Demountable rim. No. 1,224,637; May 1; v. 238; p. 186.
- Henry, Edward B. (See Erickson and Henry.)
- Henry, Edward C., Missoula, Mont. Chimney and stove-pipe attachment. No. 1,220,987; Mar. 27; v. 236; p. 1180.
- Henry, Edward C., Missoula, Mont. Stovepipe-lock. No. 1,228,321; May 29; v. 238; p. 1589.
- Henry, Edward P., assignor of one-half to G. H. Clark, Long Beach, Cal. Mold for casting concrete structures. No. 1,239,390; Sept. 4; v. 242; p. 214.
- Henry, Eugene E. (See Bidwell, Flavel, Henry, and McLeod.)
- Henry, Frank M. (See Fraser and Henry.)
- Henry, George E., Philadelphia, Pa. Kitchen utensil. No. 1,237,040; Aug. 14; v. 241; p. 521.
- Henry, George J. (See Hebert, Frank P., assignor.)
- Henry, George J., Jr., San Francisco, Cal. Valve mechanism for gate-valves. No. 1,221,052; Apr. 3; v. 237; p. 17.
- Henry, Harry W., Yonkers, N. Y. Penholder. No. 1,231,023; June 26; v. 239; p. 1011.
- Henry, Irwin E., New Ringgold, Pa. Speed-regulator for automobiles. No. 1,239,391; Sept. 4; v. 242; p. 214.
- Henry, James A. (See Kirsch and Henry.)
- Henry, John W., Crawfordsville, Ind. Weather-strip. No. 1,215,021; Feb. 6; v. 235; p. 191.
- Henry L. Leibe & Son. (See Leibe, Henry E., assignor.)
- Henry Likly & Company. (See Cannan, John J., assignor.)
- Henry Likly & Company. (See Rodemer, Henry F., assignor.)
- Henry, Murray, assignor of one-half to J. Gebhardt, Alexandria, La. Air-brake attachment. No. 1,213,363; Jan. 23; v. 234; p. 1134.
- Henry, Nelson B., assignor to The Murray Company, Dallas, Tex. Gin. No. 1,210,646; Jan. 2; v. 234; p. 94.
- Henry, Nelson B., assignor to The Murray Company, Dallas, Tex. Trumper for cotton-presses. No. 1,212,637; Jan. 16; v. 234; p. 847.
- Henry Pooley and Son. (See Dobson, James, assignor.)
- Henry R. Worthington, Inc. (See Berrigan, John J., assignor.)
- Henry R. Worthington. (See De Laval, Carl G., assignor.)
- Henry R. Worthington, Inc. (See Entwistle, Edward F., assignor.)
- Henry, René A., *et al.* (See Chassaing, Eugene, assignor.)
- Henry, Samuel T., assignor to Bethlehem Steel Company, South Bethlehem, Pa. Projectile. No. 1,248,656; Dec. 4; v. 245; p. 67.
- Henry Vogt Machine Company. (See Thurstensen, Soren, assignor.)
- Henry, William C. A., Columbus, Ohio. Stoker mechanism. No. 1,215,529; Feb. 13; v. 235; p. 400.
- Henry, William L., Louisville, Ky. Manifold receipt, way-bill, and delivery record book for express companies. No. 1,221,988; Apr. 10; v. 237; p. 377.
- Henry, William L., and I. E. Calloway, Plehweville, Tex. Boll-weevil destroyer. No. 1,235,473; July 31; v. 240; p. 1405.
- Henry, William S., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Circuit-controller. No. 1,224,542; May 1; v. 238; p. 153.
- Henry, William S., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Detector-bar clip. No. 1,245,102; Oct. 30; v. 243; p. 1271.
- Henry, William W., Wollaston, assignor to S. H. Couch Company, Inc., Atlantic, Mass. Telephone wall set. No. 1,240,974; Sept. 25; v. 242; p. 809.
- Henschel, Charles J., Bloomfield, N. J. Remote-control system. No. 1,223,169; Apr. 17; v. 237; p. 830.
- Henschen, William H., Indianapolis, Ind., assignor of one-half to J. P. Collins, Chicago, Ill. Metallic spring-tire. No. 1,210,647; Jan. 2; v. 234; p. 94.
- Hensen, Hans P., Tecumseh, Mich. Scraper. No. 1,212,351; Jan. 16; v. 234; p. 745.
- Henshaw, Francis M., Oklahoma, Okla. Grinding device. No. 1,240,716; Sept. 18; v. 242; p. 694.
- Henshaw, William G. (See Huber and Reath, assignors.)
- Hensley, Bird E., Salem, Oreg. Automobile-lifter. No. 1,234,759; July 31; v. 240; p. 1190.
- Hensley, J. W., *et al.* (See Taylor, Silas L. O., assignor.)
- Hensley, Sewell S., Mexia, Tex. Drill. No. 1,225,629; May 8; v. 238; p. 575.
- Hensley, Vergil, Vallejo, Cal. Pneumatic tire. No. 1,229,264; June 12; v. 239; p. 349.
- Hensley, William T., Bound Brook, assignor to American Engine and Electric Company, Middlesex, N. J. Clutch mechanism. No. 1,226,769; May 22; v. 238; p. 1040.
- Hensley, William T., Bound Brook, N. J., assignor, by mesne assignments, to Bound Brook Engine & Mfg. Co. Implement for winding armatures. No. 1,240,448; Sept. 18; v. 242; p. 614.
- Hensley, William T., Bound Brook, N. J., assignor, by mesne assignments, to Bound Brook Engine & Mfg. Co. Commutator. No. 1,240,975; Sept. 25; v. 242; p. 809.
- Hensley, William T., Connerville, Ind., assignor, by mesne assignments, to Bound Brook Engine & Mfg. Co. Sheet-metal form for armature-coils. No. 1,238,911; Sept. 4; v. 242; p. 62.
- Henson, Edward F., trustee. (See Reith, George C., assignor.)
- Henson, George S. (See Gore and Henson.)
- Hentnik, Marcel, Milwaukee, Wis. Hat and coat hanger. No. 1,236,169; Aug. 7; v. 241; p. 205.
- Hentschel, Paul J., Baltimore, Md. Garment-fastener. No. 1,227,908; May 29; v. 238; p. 1453.
- Hentschel, Paul J., Baltimore, Md. Garment-fastener. No. 1,236,079; Aug. 7; v. 241; p. 178.
- Hentschel, Paul J., Baltimore, Md. Means for dispensing beverages. No. 1,247,678; Nov. 27; v. 244; p. 847.
- Hentschke, Paul, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Marine-engine crankshaft. No. 1,245,587; Nov. 6; v. 244; p. 135.
- Hentzell, Alfred A., Littleton, Colo. Machine for forming shanks and collars on drill-steels. No. 1,223,975; Apr. 24; v. 237; p. 1141.
- Henwood, Horace E., New York, N. Y. Automatic acetylene-generator and attachment. No. 1,246,094; Nov. 13; v. 244; p. 314.
- Henwood, Horace E., New York, N. Y. Acetylene-gas generator. No. 1,246,266; Nov. 13; v. 244; p. 366.
- Hepburn, Donald M., Niagara Falls, N. Y. Device for supplying liquid to engine-cylinders. No. 1,251,371; Dec. 25; v. 245; p. 981.
- Hepburn, George G., Chorlton-cum-Hardy, Manchester, England. Bipolar-electrode electrolyzer. No. 1,213,871; Jan. 30; v. 234; p. 1336.

Alphabetical list of patentees—Continued.

- Hepler, Cowan P., Salem, Ohio. Signal-lamp for vehicles. No. 1,249,956; Dec. 11; v. 245; p. 474.
- Hepner, Roy L. (See Santmyers and Hepner.)
- Heppes, Otto A., La Grange, Ill. Roofing-strip. No. 1,243,064; Oct. 16; v. 243; p. 584.
- Hepsley, Ellis E., Everett, Wash. Electric window-fan. No. 1,211,150; Jan. 2; v. 234; p. 265.
- Herbein, George W., San Francisco, Cal. Transforming wood or other cellulose-containing materials. No. 1,235,895; Aug. 7; v. 241; p. 120.
- Herber, Samuel M., Inza, Mo. Distillation of oil. No. 1,227,558; May 22; v. 238; p. 1303.
- Herber, Samuel M., Inza, Mo. Apparatus for oil distillation. No. 1,227,559; May 22; v. 238; p. 1304.
- Herber, Samuel M., Inza, Mo. Revolvable retort for distilling oil. No. 1,227,560; May 22; v. 238; p. 1304.
- Herbert, Albert H., et al. (See Connor and Miles, assignors.)
- Herbert, Clifford V., New York, N. Y. Internal-combustion engine. No. 1,219,458; Mar. 20; v. 236; p. 612.
- Herbert, John F., Jr., Philadelphia, Pa. Oculist's instrument. No. 1,235,474; July 31; v. 240; p. 1406.
- Herbert, Pitt H., assignor to American Optical Company, Southbridge, Mass. Order-guide. No. 1,244,089; Oct. 23; v. 243; p. 928.
- Herberts Engineering Company. (See Herberts, Hermann J., assignor.)
- Herberts, Hermann J., London Fields, London, England, assignor to Herberts Engineering Company, Inc., New York, N. Y. Display or advertising mechanism. No. 1,236,433; Aug. 14; v. 241; p. 321.
- Herbolzheimer, Charles F., Denver, Colo. Door attachment. No. 1,240,846; Sept. 25; v. 242; p. 770.
- Herbst, Abram W. (See Minton, Le Roy H., assignor.)
- Herbst, Charles. (See Herz and Herbst.)
- Hercer, Anton, Springvalley, Ill. Ventilating-pipe. No. 1,214,033; Jan. 30; v. 234; p. 1394.
- Hercules Motor Patents. (See Buckingham and Johnson, assignors.)
- Hercules Powder Company. (See Talley, Herbert, assignor.)
- Herdman, William J., and T. E. Moldon, Toronto, Ontario, Canada. Automatic refrigerating. No. 1,233,056; July 10; v. 240; p. 535.
- Heren, Sol E., Miles City, Mont. Carbureter. No. 1,243,602; Oct. 16; v. 243; p. 742.
- Herendeen, Charles, Chicago, Ill. Treating flour or the like. No. 1,234,662; July 24; v. 240; p. 1125.
- Herendeen, Charles, Chicago, Ill. Apparatus for treating flour or the like. No. 1,234,663; July 24; v. 240; p. 1125.
- Herendeen, R. J., What Cheer, Iowa. Permutation-padlock. No. 1,231,157; June 26; v. 239; p. 1057.
- Herfurth, Alfred. (See Rona and Herfurth.)
- Herget, John B., Seattle, Wash., assignor of one-half to P. E. Herget, Portland, Oreg. Dump-car. No. 1,249,624; Dec. 11; v. 245; p. 376.
- Herget, Pauline E. (See Herget, John B., assignor.)
- Hering, George, Larchmont, N. Y. Ore-separator. No. 1,216,118; Feb. 13; v. 235; p. 614.
- Herington, George B., Alhambra, Cal. Ticket-counter. No. 1,210,802; Jan. 2; v. 234; p. 146.
- Herington, George B., Alhambra, Cal. Ticket-case. No. 1,235,567; Aug. 7; v. 241; p. 12.
- Herink, Henry J., assignor to The Relay Automatic Telephone Company, Limited, London, England. Semi-automatic telephone system. No. 1,250,583; Dec. 18; v. 245; p. 699.
- Herkens, Herken H., Gilman, Ill. Fork-clamp. No. 1,246,597; Nov. 13; v. 244; p. 467.
- Herlbauser, Joseph J., Richmond Hill, N. Y. Automobile-horn. No. 1,229,453; June 12; v. 239; p. 413.
- Herman, Belle V., Centralia, Wash. Pie and cake carrier. No. 1,249,082; Dec. 4; v. 245; p. 189.
- Herman, Charles F. (See Gerlach and Herman.)
- Herman, Francis A., Slatington, Pa. Permutation-padlock. No. 1,224,168; May 1; v. 238; p. 19.
- Herman, Frederick W., Jr., Salina, Kans. High chair. No. 1,238,767; Sept. 4; v. 242; p. 14.
- Herman, Harry, Pasadena, Cal. Ironing-board. No. 1,245,230; Nov. 6; v. 244; p. 27.
- Herman, Henry F., assignor to The Imperial Piano Player Company, New York, N. Y. Automatic player for musical instruments. No. 1,243,169; Oct. 16; v. 243; p. 613.
- Herman, Henry F., Chappaqua, N. Y., assignor to Imperial Piano Player Company. Power-transmission mechanism. No. 1,246,426; Nov. 13; v. 244; p. 414.
- Herman, Karl I., Chicago, Ill. Box-blank-making machine. No. 1,219,941; Mar. 20; v. 236; p. 781.
- Herman, Maxence B., Memphis, Tenn. Surgical instrument. No. 1,226,513; May 15; v. 238; p. 916.
- Herman, Maxence B., Memphis, Tenn. Irrigating-pan for surgical use. No. 1,245,915; Nov. 6; v. 244; p. 234.
- Herman Pneumatic Machine Company. (See Austin and Ringle, assignors.)
- Herman Pneumatic Machine Company. (See Ringle, Robert F., assignor.)
- Herman, Reinhold, Pittsburgh, Pa. Fluid-charging valve. No. 1,215,151; Feb. 6; v. 235; p. 233.
- Herman, Samuel J., assignor to Diamond Power Specialty Company, Detroit, Mich. Boiler-tube cleaner. No. 1,235,317; July 31; v. 240; p. 1361.
- Herman Strater & Sons. (See Strater, Theodore G., assignor.)
- Herman, Walter G., Newberg, Oreg. Railway-spike. No. 1,231,887; July 3; v. 240; p. 119.
- Herman, Walter G., Raymond, assignor of one-half to A. R. Worley, Menlo, Wash. Saw-set. No. 1,242,348; Oct. 9; v. 243; p. 319.
- Hermann Aukam & Co. (See Leathem, James, assignor.)
- Hermann, Emanuel, assignor of one-half to C. E. Schmitt, San Francisco, Cal. Locking-pin. No. 1,237,515; Aug. 21; v. 241; p. 709.
- Hermansen, George H., Sacramento, Cal. Paper-gage for type-writers. No. 1,245,916; Nov. 6; v. 244; p. 234.
- Hermanson, Julius H. (See Chilcote, Don W., assignor.)
- Hermetic Glass Casket Company. (See Frysinger, John L., assignor.)
- Hermesmeier, H. C., et al. (See Barnett, John B., assignor.)
- Hern, Jay J. (See Arey and Hern.)
- Hernandez, Joseph B., Corona, N. Y. Three-way floor construction. No. 1,231,343; June 26; v. 239; p. 1119.
- Heron, William H., Washington, D. C. Means for securing in place and rendering useful deflated pneumatic tires. No. 1,232,306; July 3; v. 240; p. 257.
- Herpolsheimer, Martin L., Chicago, Ill. Air-pump-operating mechanism. No. 1,250,456; Dec. 18; v. 245; p. 659.
- Herr, Edward A., Philadelphia, Pa. Clothes-pressing apparatus. No. 1,215,655; Feb. 13; v. 235; p. 449.
- Herr, Frederick, New York, N. Y. Hat-press. No. 1,212,054; Jan. 9; v. 234; p. 611.
- Herr, Henry C., assignor, by mesne assignments, to South Side Trust Company, trustee, Pittsburgh, Pa. Expanding stranded sheet metal. No. 1,231,888; July 3; v. 240; p. 119.
- Herr, Henry C., assignor, by mesne assignments, to South Side Trust Company, trustee, Pittsburgh, Pa. Machine for applying peripheral bands. No. 1,231,889; July 3; v. 240; p. 119.
- Herr, Herbert T., Pittsburgh, Pa. Clutch. No. 1,245,718; Nov. 6; v. 244; p. 174.
- Herr, Herbert T., Pittsburgh, assignor, by mesne assignments, to The Westinghouse Machine Company, East Pittsburgh, Pa. Speed-indicator. No. 1,226,073; May 15; v. 238; p. 769.
- Herr, Herbert T., Pittsburgh, assignor, by mesne assignments, to The Westinghouse Machine Company, East Pittsburgh, Pa. Multiple control. No. 1,231,257; June 26; v. 239; p. 1090.
- Herr, Herbert T., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Blading for elastic-fluid turbines. No. 1,247,400; Nov. 20; v. 244; p. 734.
- Herr, Homer A., Philadelphia, Pa. Separating liquids from solids. No. 1,212,638; Jan. 16; v. 234; p. 847.
- Herr, Homer A., Philadelphia, Pa. Automatic continuous centrifugal filtering-machine. No. 1,246,267; Nov. 13; v. 244; p. 366.
- Herr, Park A., Saybrook, N. J., assignor to The Singer Manufacturing Company. Presser-foot-lifting mechanism for sewing-machines. No. 1,241,733; Oct. 2; v. 243; p. 86.
- Herr, Shirl, assignor to Crawfordsville Seed Company, Crawfordsville, Ind. Seed-cleaning machine. No. 1,216,803; Feb. 20; v. 235; p. 905.
- Herren, Earl R., Lorain, Ohio. Vehicle-brake. No. 1,244,606; Oct. 30; v. 243; p. 1121.
- Herreshoff, Alexander G. (See Masury and Herreshoff.)
- Herreshoff, Alexander G., assignor to International Motor Company, New York, N. Y. Clutch. No. 1,235,896; Aug. 7; v. 241; p. 120.
- Herreshoff, Alexander G., assignor to International Motor Company, New York, N. Y. Transmission for automobiles. No. 1,242,803; Oct. 9; v. 243; p. 464.
- Herreshoff, Alexander G., assignor to International Motor Company, New York, N. Y. Generator drive mechanism. No. 1,244,207; Oct. 23; v. 243; p. 962.
- Herreshoff, James B., Jr., New York, N. Y. Treating slags. No. 1,231,349; June 26; v. 239; p. 1120.
- Herrick, Albert B., New York, N. Y., assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Method of and electrode for welding bonds to rails. No. 1,211,313; Jan. 2; v. 234; p. 321.
- Herrick, Charles G., Independence, Iowa. Eye-testing device. No. 1,228,020; May 29; v. 238; p. 1491.
- Herrick, Frank A., assignor to The Herrick Manufacturing Company, Toledo, Ohio. Lacing-hook. No. 1,250,873; Dec. 18; v. 245; p. 784.
- Herrick, Gerardus P., New York, N. Y. Machine for cutting glass. No. 1,226,659; May 22; v. 238; p. 1002.
- Herrick, James A., New Rochelle, N. Y. Gas-producer. No. 1,210,471; Jan. 2; v. 234; p. 32.
- Herrick Manufacturing Company, The. (See Herrick, Frank A., assignor.)
- Herrick, William J., Chicago, Ill. Transmission-gear. No. 1,227,135; May 22; v. 238; p. 1166.
- Herrick, William J., Chicago, Ill. Clutch. No. 1,227,136; May 22; v. 238; p. 1166.
- Herring, William W., Shawnee, Okla. Safety device for motor-vehicles. No. 1,236,709; Aug. 14; v. 241; p. 414.
- Herring, Harvey G. (See Branstator, Clem G., assignor.)
- Herring, Paul S., Chicago, Ill. Automobile-pump. No. 1,246,919; Nov. 20; v. 244; p. 597.

- Herrington, Edward A., Freeport, Tex. Oil-burner. No. 1,238,016; Aug. 21; v. 241; p. 868.
- Herrington, John A. D. (See Hulsey and Herrington.)
- Herrmann, E. F. (See Hood, Harry H., assignor.)
- Herrmann, Frank and O. H. A., Brooklyn, N. Y. Portable gas-stove. No. 1,244,852; Oct. 30; v. 243; p. 1195.
- Herrmann, Frederick W. A., and A. E. Robinson, assignors to The American Tool Works Company, Cincinnati, Ohio. Operating mechanism for shapers. No. 1,223,339; Apr. 17; v. 237; p. 885.
- Herrmann, George E., Morristown, and B. W. Tucker, South Orange, N. J.; said Tucker assignor to said Herrmann. Barrel. No. 1,216,804; Feb. 20; v. 235; p. 906.
- Herrmann, George E., Morristown, and B. W. Tucker, South Orange, N. J. Barrel. No. 1,216,805; Feb. 20; v. 235; p. 906.
- Herrmann, George E., Morristown, and B. W. Tucker, South Orange, N. J. Barrel. No. 1,216,806; Feb. 20; v. 235; p. 906.
- Herrmann, George E., Morristown, and B. W. Tucker, South Orange, N. J. Barrel. No. 1,216,807; Feb. 20; v. 235; p. 907.
- Herrmann, George E., Morristown, and B. W. Tucker, South Orange, N. J. Barrel. No. 1,216,808; Feb. 20; v. 235; p. 907.
- Herrmann, Gustav, Fort Smith, Ark. Mirror-glass fastener. No. 1,246,095; Nov. 13; v. 244; p. 314.
- Herrmann, Isaac A., Elyria, Ohio. Watchman's recording-clock. No. 1,231,350; June 26; v. 239; p. 1120.
- Herrmann, Oscar, assignor to H. Herrmann Furniture Company, New York, N. Y. Combined lock and opener for extension-tables. No. 1,215,656; Feb. 13; v. 235; p. 449.
- Herrmann, Otto H. A. (See Herrmann, Frank and O. H. A.)
- Herrmann, Wilhelm, and M. Mugdan, assignors to Consortium für elektrochemische Industrie G. m. b. H., Nuremberg, Germany. Manufacture of aldol. No. 1,220,746; Mar. 27; v. 236; p. 1100.
- Herrold, Ames D. (See Herrold, Hiram and A. D.)
- Herrold, Charles D., San Jose, Cal. Oscillator. No. 1,222,761; Apr. 17; v. 237; p. 690.
- Herrold, Hiram and A. D., Luther, Okla. Throttle-controlling mechanism for automobiles. No. 1,218,939; Mar. 13; v. 236; p. 405.
- Herron, Ezra C. (See Dozier and Herron.)
- Herron, Foster J., Sherodsville, Ohio. Valve. No. 1,230,161; June 19; v. 239; p. 684.
- Herron, George A., Pembroke, Ontario, Canada. Car-stake. No. 1,250,314; Dec. 18; v. 245; p. 617.
- Herschede, Edward F., Cincinnati, Ohio. Clasp. No. 1,225,710; May 8; v. 238; p. 601.
- Herschede Hall Clock Company, The. (See Herschede and Cohan, assignors.)
- Herschede, Walter J., and C. Cohan, assignors to The Herschede Hall Clock Company, Cincinnati, Ohio. Synchronizing mechanism for chime-clocks. No. 1,229,454; June 12; v. 239; p. 413.
- Herschede, Walter J., and C. Cohan, assignors to The Herschede Hall Clock Company, Cincinnati, Ohio. Chime-striking hammer. No. 1,250,172; Dec. 18; v. 245; p. 575.
- Herschede, Walter J., and C. Cohan, assignors to The Herschede Hall Clock Company, Cincinnati, Ohio. Automatic synchronizing mechanism. No. 1,250,173; Dec. 18; v. 245; p. 575.
- Herschel, Richard D., Birmingham, Ala. Camera focusing device. No. 1,226,660; May 22; v. 238; p. 1002.
- Herschell-Spillman Company. (See Cramer, George H., assignor.)
- Hersey, Arthur J., assignor of one-fourth to R. F. McDougall, Duluth, and one-fourth to C. M. Kemp, St. Paul, Minn. Horseshoe-calk. No. 1,210,648; Jan. 2; v. 234; p. 94.
- Hershberger, Elmer F., Kokomo, Ind. Threader, holder, and cutter for thread. No. 1,240,142; Sept. 11; v. 242; p. 477.
- Hershey, Charles E., Mechanicsburg, Pa. Antiskidding device for use on automobile-wheels. No. 1,219,397; Mar. 13; v. 236; p. 561.
- Hershey, Christian F., Detroit, Mich., assignor to A. N. Warren, Chicago, Ill. Strainer. No. 1,248,114; Nov. 27; v. 244; p. 971.
- Hershey, Harry E. (See Yanochowski and Hershey.)
- Hershey, Harry E., White Water, Kans., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,251,023; Dec. 25; v. 245; p. 879.
- Hershman, Paul R., Chicago, Ill., assignor to The Mineral Products Company, New York, N. Y. Production of metallic compounds from carbids. No. 1,220,843; Mar. 27; v. 236; p. 1135.
- Hershman, Paul R., Chicago, Ill., assignor to The Mineral Products Company, New York, N. Y. Production of refractories. No. 1,240,569; Sept. 18; v. 242; p. 650.
- Hershman, Paul R., assignor to Armour Fertilizer Works, Chicago, Ill. Production of refractory materials. No. 1,227,909; May 29; v. 238; p. 1453.
- Hershman, Paul R., assignor to Armour Fertilizer Works, Chicago, Ill. Production of aluminate from alumina. No. 1,240,570; Sept. 18; v. 242; p. 650.
- Hershman, Paul R., assignor to Armour Fertilizer Works, Chicago, Ill. Manufacture of barium aluminate and sulfur. No. 1,240,571; Sept. 18; v. 242; p. 650.
- Hershman, Paul R., assignor to Armour Fertilizer Works, Chicago, Ill. Production of barium aluminate. No. 1,240,572; Sept. 18; v. 242; p. 650.
- Hershman, Paul R., assignor, by mesne assignments, to Armour Fertilizer Works, Chicago, Ill. Production of aluminum nitrid. No. 1,250,874; Dec. 18; v. 245; p. 784.
- Herskovitz, Max, assignor to Peerless Light Company, Chicago, Ill. Lighting-fixture. No. 1,226,211; May 15; v. 238; p. 815.
- Herskovitz, William, Chicago, Ill. Socket for electric lamps. No. 1,213,364; Jan. 23; v. 234; p. 1134.
- Hersman, Paul R., Milwaukee, Wis., assignor, by mesne assignments, to William F. Jobbins, Incorporated, Aurora, Ill. Processing aluminum skimmings, screenings, slags, or analogous materials. No. 1,229,611; June 12; v. 239; p. 467.
- Herstad, Andrew, Tacoma, Wash. Air-brake-pipe coupling. No. 1,245,156; Nov. 6; v. 244; p. 5.
- Herter, Peter J., assignor of one-half to M. L. Jacobs, New York, N. Y. Street-cleaner. No. 1,236,170; Aug. 7; v. 241; p. 206.
- Hertz, Alfred C., New York, N. Y. Window-screen. No. 1,238,294; Aug. 28; v. 241; p. 993.
- Hertzberg, Harry, Brooklyn, N. Y. Rotary concentrator, classifier, and separator. No. 1,236,839; Aug. 14; v. 241; p. 455.
- Hertzfeldt, Albert C., Independence, Wis. Vehicle-seat. No. 1,227,437; May 22; v. 238; p. 1262.
- Hertzler, Glenn D., Los Angeles, Cal. Fountain-pen and pencil clip. No. 1,243,115; Nov. 27; v. 244; p. 971.
- Hervey, William F., Wellsburg, W. Va. Excavating apparatus. No. 1,232,307; July 3; v. 240; p. 258.
- Herz, Alfred. (See Schweitzer and Herz.) (Reissue.)
- Herz, Alfred, Chicago, Ill. Photography. No. 1,213,485; Jan. 23; v. 234; p. 1175.
- Herz, Alfred, assignor to Delta-Star Electric Company, Chicago, Ill. Protecting means for electric circuits. No. 1,213,365; Jan. 23; v. 234; p. 1134.
- Herz, Alfred, assignor of one-half to E. O. Schweitzer, Chicago, Ill. Fuse device. No. 1,222,952; Apr. 17; v. 237; p. 754.
- Herz, Alfred, Chicago, Ill., assignor to Westinghouse Electric and Manufacturing Company. Recording electric meter. (Reissue.) No. 1,440,3; Dec. 4; v. 245; p. 254.
- Herz, Alfred, and C. Herbst, Chicago, Ill.; said Herbst assignor to said Herz. Electric water-heater. No. 1,235,203; July 31; v. 240; p. 1326.
- Herz, Gustave L., New York, N. Y. Spark-plug. No. 1,229,748; June 12; v. 239; p. 511.
- Herz, Gustave L., New York, N. Y. Non-skid device for tires. No. 1,242,691; Oct. 9; v. 243; p. 430.
- Herz, Richard, Frankfurt-on-the-Main, Germany. Vat dyes. No. 1,243,170; Oct. 16; v. 243; p. 614.
- Herz, Richard, Frankfurt-on-the-Main, Germany. Vat dyes and making same. No. 1,243,171; Oct. 16; v. 243; p. 614.
- Herzka, Emile, Arecibo, Porto Rico. Manufacturing fertilizer out of Steffens waste water, &c. No. 1,212,484; Jan. 16; v. 234; p. 791.
- Herzl, Joseph, New York, N. Y. Smoothing-iron holder. No. 1,232,544; July 10; v. 240; p. 363.
- Herzmark, Nicolas, Paris, France. Apparatus for starting explosion-engines. No. 1,217,762; Feb. 27; v. 235; p. 1281.
- Herzog, John, Saginaw, Mich. Cabinet. No. 1,214,676; Feb. 6; v. 235; p. 69.
- Herzog, John, Saginaw, Mich. Cabinet. No. 1,214,677; Feb. 6; v. 235; p. 69.
- Herzog, Joseph J., and W. M. Medlock, assignors of one-third to L. G. Adams, Mobile, Ala. Automatic spark-timer for internal-combustion engines. No. 1,221,176; Apr. 3; v. 237; p. 61.
- Herzog, Louis, Beacon, N. Y., assignor to Glenham Embroidery Company, Jacquard. No. 1,214,918; Feb. 6; v. 235; p. 153.
- Herzog, Soma, New York, N. Y. Alcohol-lamp. No. 1,229,078; June 5; v. 239; p. 236.
- Herzog, Walter J., Pekin, Ill. Combined blow-torch and soldering-iron. No. 1,249,625; Dec. 11; v. 245; p. 376.
- Herzstein, Joseph H., Antonio, Colo. Tent flap-closing device. No. 1,233,573; July 17; v. 240; p. 712.
- Hescheles, Isidore M., New York, N. Y. Metal corner for boxes. No. 1,212,219; Jan. 16; v. 234; p. 696.
- Hescock, Ethan N., Brooklyn, N. Y., assignor to New Jersey Foundry & Machine Company. Continuous trolley system. No. 1,226,840; Aug. 14; v. 241; p. 456.
- Heser, John J., Tamora, Neb. Corn-busker. No. 1,239,913; Sept. 11; v. 242; p. 410.
- Hess-Bright Manufacturing Company, The. (See Bright, Fred E., assignor.)
- Hess-Bright Manufacturing Company, The. (See Brunner and Cope, assignors.)
- Hess-Bright Manufacturing Company, The. (See Gohike, Max, assignor.)
- Hess-Bright Manufacturing Company, The. (See Hess, Henry, assignor.)
- Hess-Bright Manufacturing Company, The. (See Kayser, Eugen, assignor.)
- Hess, Clara W., Flint, Mich., assignor of one-half to G. L. Adams, Fowlerville, Mich. Carburetor. No. 1,227,137; May 22; v. 238; p. 1167.

Alphabetical list of patentees—Continued.

- Hess, Edward B., Brooklyn, N. Y. Book holder and protector. No. 1,228,435; June 5; v. 239; p. 21.
- Hess, Edward B., Brooklyn, N. Y. Protector for motor devices of automobiles. No. 1,228,436; June 5; v. 239; p. 21.
- Hess, Edward B., Brooklyn, N. Y. Wind-shield for automobiles. No. 1,243,957; Oct. 23; v. 243; p. 882.
- Hess, Edward B., Brooklyn, N. Y. Wind-shield for automobiles. No. 1,244,732; Oct. 30; v. 243; p. 1161.
- Hess, Edward B., Brooklyn, N. Y. Wind-shield for vehicles. No. 1,244,853; Oct. 30; v. 243; p. 1196.
- Hess, Edward B., Brooklyn, N. Y. Wind-shield for automobiles. No. 1,244,854; Oct. 30; v. 243; p. 1196.
- Hess, Edward B., Brooklyn, N. Y. Wind-shield for automobiles. No. 1,244,855; Oct. 30; v. 243; p. 1196.
- Hess, Edward B., Brooklyn, N. Y. Wind-shield for automobiles. (Reissue.) No. 1,4413; Dec. 18; v. 245; p. 807.
- Hess, Edward B., Brooklyn, assignor to Royal Typewriter Company, Inc., New York, N. Y. Carriage-shift stop for type-writing machines. No. 1,211,444; Jan. 9; v. 234; p. 400.
- Hess, Edward B., Brooklyn, assignor to Royal Typewriter Company, Inc., New York, N. Y. Paper-feed device. No. 1,213,193; Jan. 23; v. 234; p. 1072.
- Hess, Edward B., Brooklyn, assignor to Royal Typewriter Company, New York, N. Y. Line-gage for type-writing machines. No. 1,213,366; Jan. 23; v. 234; p. 1135.
- Hess, Edward B., Brooklyn, assignor to Royal Typewriter Company, New York, N. Y. Line-gage for type-writing machines. No. 1,216,567; Feb. 20; v. 235; p. 824.
- Hess, Edward B., Brooklyn, assignor to Royal Typewriter Company, Inc., New York, N. Y. Gage for setting paper in type-writers. No. 1,221,854; Apr. 10; v. 237; p. 328.
- Hess, Edward B., Brooklyn, assignor to Royal Typewriter Company, Inc., New York, N. Y. Shift-key mechanism for type-writing machines. No. 1,226,770; May 22; v. 238; p. 1040.
- Hess, Edward B., Brooklyn, assignor to Royal Typewriter Company, Inc., New York, N. Y. Type-writing machine. No. 1,227,438; May 22; v. 238; p. 1262.
- Hess, Edward B., Brooklyn, assignor to Royal Typewriter Company, Inc., New York, N. Y. Type-bar-tension-adjusting means. No. 1,241,214; Sept. 25; v. 242; p. 883.
- Hess, Edward B., Brooklyn, assignor to Royal Typewriter Company, Inc., New York, N. Y. Tabular bar and stop. No. 1,247,401; Nov. 20; v. 244; p. 734.
- Hess, Edward B., and L. C. Myers, Brooklyn, assignors to Royal Typewriter Company, Inc., New York, N. Y. Type-writing machine. No. 1,212,947; Jan. 16; v. 234; p. 953.
- Hess, Fred C. (See Kahn, Bruno, assignor.)
- Hess, Frederick, Sioux Falls, S. D., assignor to Fred Hess Company, Brooklyn, N. Y. Soap-dispensing device. No. 1,249,957; Dec. 11; v. 245; p. 474.
- Hess, George H., La Grange Park, Ill. Hot-air furnace. No. 1,236,171; Aug. 7; v. 241; p. 206.
- Hess, George H., La Grange Park, Ill. Treating pieces of material of non-uniform moisture content to an impregnating fluid. No. 1,241,973; Oct. 2; v. 243; p. 160.
- Hess, Harry H., assignor to Vapor-Vacuum Heating Co., Philadelphia, Pa. Air and vacuum controlling device. No. 1,239,440; Sept. 4; v. 242; p. 229.
- Hess, Harry W., New York, N. Y. Talking-machine. No. 1,214,304; Jan. 30; v. 234; p. 1488.
- Hess, Henry, Philadelphia, Pa. Apparatus for producing audible moving pictures. No. 1,222,626; Apr. 17; v. 237; p. 642.
- Hess, Henry, Philadelphia, Pa. Screw-driver. No. 1,249,394; Dec. 11; v. 245; p. 310.
- Hess, Henry, assignor to Hess-Ives Corporation, Philadelphia, Pa. Color photography. No. 1,225,246; May 8; v. 238; p. 443.
- Hess, Henry, Wawa, assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa. Thrust-bearing. No. 1,232,800; July 10; v. 240; p. 453.
- Hess, Herbert, Huntington, N. Y. Stabilizer for vehicles. No. 1,222,401; Apr. 10; v. 237; p. 522.
- Hess-Ives Corporation. (See Hess, Henry, assignor.)
- Hess, Louis, Portland, Oreg. Package carrier and fastener. No. 1,218,859; Mar. 13; v. 236; p. 379.
- Hess, Otto G., Los Angeles, Cal. Artificial tooth. No. 1,217,866; Feb. 27; v. 235; p. 1315.
- Hess, Simon B. (See Goldstein, Albert, assignor.)
- Hess, Simon B., New York, N. Y. Electric lock. No. 1,221,322; Apr. 3; v. 237; p. 114.
- Hess, Simon B., New York, N. Y. Burglar-alarm system. No. 1,223,789; Apr. 24; v. 237; p. 1079.
- Hess, Wendell, Jr., assignor to W. & L. E. Gurley, Troy, N. Y. Recorder. No. 1,211,703; Jan. 9; v. 234; p. 487.
- Hesse, Albert R., Kelso, Minn. Parcel-post mail-box. No. 1,212,948; Jan. 16; v. 234; p. 954.
- Hesse, Joseph, Hartington, Neb. Seed-corn drier. No. 1,228,556; June 5; v. 239; p. 62.
- Hesse, Otto H., assignor to The Wm. G. Hesse & Son Mfg. Co., Incorporated, Leavenworth, Kans. Trailer running-gear and towing connection. No. 1,212,949; Jan. 16; v. 234; p. 954.
- Hesse, Walter A., Alameda, and P. G. Sanborn, San Francisco, Cal. Crossing-signal. No. 1,234,664; July 24; v. 240; p. 1126.
- Hessler, Andrew B., Wyoming, Pa. Steering-wheel lock. No. 1,234,023; July 17; v. 240; p. 884.
- Hessong, John L., Kapowsin, Wash. Soap holder. No. 1,239,392; Sept. 4; v. 242; p. 215.
- Hester, Loring B., assignor of one-half to J. W. Black, Bond, Miss. Coffee-pot. No. 1,225,812; May 15; v. 238; p. 680.
- Hester, William A., Evansville, Ind. Pocket for overalls. No. 1,212,639; Jan. 16; v. 234; p. 848.
- Hester, William D. (See Utsman, George W., assignor.)
- Hestness, Bernt, Donald, Alberta, Canada. Self-cleaning harrow. No. 1,249,395; Dec. 11; v. 245; p. 310.
- Hettinger, Paul R., and C. P. Prince, Albany, N. Y. Tobacco can holder. No. 1,214,161; Jan. 30; v. 234; p. 1435.
- Heuchan, Mabel V., Los Angeles, Cal. Bust-form. No. 1,250,875; Dec. 18; v. 245; p. 785.
- Heulings, William H., Jr., Philadelphia, Pa. Railway-car construction. No. 1,241,116; Sept. 25; v. 242; p. 852.
- Heulings, William H., Jr., assignor to The J. G. Brill Company, Philadelphia, Pa. Car-door-operating device. No. 1,228,322; May 29; v. 238; p. 1589.
- Heulings, William H., Jr., assignor to The J. G. Brill Company, Philadelphia, Pa. Window-frame. No. 1,233,667; July 17; v. 240; p. 770.
- Heumann, Henry E., assignor of one-half to G. A. Lickiss, Percy, Ill. Safety powder-can. No. 1,248,491; Dec. 4; v. 245; p. 18.
- Heupel, Herman A., Charleroi, assignor to Macbeth-Evans Glass Company, Pittsburgh, Pa. Stop means for glass-separating devices. No. 1,220,632; Mar. 27; v. 236; p. 1062.
- Heurtley, Ernest S., Oxford, England. Telegraphy. No. 1,249,083; Dec. 4; v. 245; p. 189.
- Heuser, Frederick O., Chicago, Ill. Calculating-machine. No. 1,239,598; Sept. 11; v. 242; p. 308.
- Heuser, Friedrich W., Gross-Lichterfelde, near Berlin, Germany. Process and apparatus for making brazed joints. (Reissue.) No. 1,4245; Jan. 9; v. 234; p. 650.
- Heuser, Herman, Chicago, Ill. Manufacture of dry extracts of beer, &c. No. 1,228,917; June 5; v. 239; p. 184.
- Heuser, John H., Chicago, Ill. Rope-clamping device. No. 1,241,379; Sept. 25; v. 242; p. 936.
- Heuston, Adam K., Roaring Spring, Pa. Splice-bar. No. 1,226,212; May 15; v. 238; p. 815.
- Heuvelink, Carel O. (See Van der Valk and Van Eck, assignors.)
- Heverly, David F., Rogers, Ark. Scythe-snath fastener. No. 1,236,710; Aug. 14; v. 241; p. 414.
- Hewett, John A., Midlothian, Tex. Hydrocarbon-burner. No. 1,237,904; Aug. 21; v. 241; p. 832.
- Hewett, Robert J., Westfield, N. J. Signaling system. No. 1,216,231; Feb. 13; v. 235; p. 654.
- Hewett, Robert J., Westfield, N. J. Electric signaling system. No. 1,219,554; Mar. 20; v. 236; p. 647.
- Hewett, Robert J., Westfield, N. J. Cab-signal system. No. 1,229,957; June 12; v. 239; p. 580.
- Hewett, Robert J., Westfield, N. J. Railway signal system. No. 1,237,905; Aug. 21; v. 241; p. 832.
- Hewey, Everett L., East Dixfield, Me. Saw-set. No. 1,226,514; May 15; v. 238; p. 916.
- Hewis, George P., Regina, Saskatchewan, Canada. Indicator for fluid-containers. No. 1,224,741; May 1; v. 238; p. 223.
- Hewitt, Albertis. (See Owen and Hewitt.)
- Hewitt, Arthur L., Boyne Falls, Mich. Manure-spreader. No. 1,251,372; Dec. 25; v. 245; p. 981.
- Hewitt, Bert, San Rafael, Cal. Valve tester and grinder. No. 1,222,289; Apr. 10; v. 237; p. 482.
- Hewitt, Edward R., Midvale, N. J. Drive mechanism for automobiles. No. 1,224,543; May 1; v. 238; p. 154.
- Hewitt, Frank M., Goldfield, Nev. Shovel-machine. No. 1,213,640; Jan. 23; v. 234; p. 1228.
- Hewitt, Frank R., Hewitt, N. C. Log-moving machine. No. 1,220,122; Mar. 20; v. 236; p. 816.
- Hewitt, Frank W., Arlington, assignor to Simplex Electric Heating Company, Cambridge, Mass. Electric heater. No. 1,238,727; Aug. 28; v. 241; p. 1129.
- Hewitt, Herbert H., and C. H. Paepow, Jr., Buffalo, N. Y. Hose-coupling. No. 1,224,638; May 1; v. 238; p. 186.
- Hewitt, Horace B., Indianapolis, Ind. Fastening means for snath-nibs. No. 1,245,917; Nov. 6; v. 244; p. 234.
- Hewitt, Joseph D., Paterson, assignor of one-half to L. D. Henderson, Ridgewood, N. J. Coal-receptacle. No. 1,220,422; Mar. 27; v. 236; p. 988.
- Hewitt, Peter C., Ringwood Manor, N. J. Apparatus for translating electrical variations. No. 1,225,333; May 8; v. 238; p. 476.
- Hewitt, Peter C., Passaic, N. J. High-speed motor-craft. No. 1,227,784; May 29; v. 238; p. 1410.
- Hewitt, Peter C., New York, N. Y., assignor, by mesne assignments, to Cooper Hewitt Electric Co., Hoboken, N. J. Apparatus for transforming electrical energy. No. 1,224,639; May 1; v. 238; p. 186.
- Hewitt, Peter C., Ringwood Manor, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Method of and apparatus for translating electrical variations. No. 1,225,332; May 8; v. 238; p. 475.
- Hewitt, Peter C., Ringwood Manor, assignor, by mesne assignments, to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor electric apparatus. No. 1,230,708; June 19; v. 239; p. 866.

- Hewitt, Richard B., Birmingham, Mich. Differential driving-gear. No. 1,211,151; Jan. 2; v. 234; p. 265.
- Hewitt, Sarah D., Buffalo, N. Y. Vulcanizing apparatus for rubber hose. No. 1,210,938; Jan. 2; v. 234; p. 193.
- Hewitt, William B., Holyoke, Mass., assignor, by mesne assignments, to Worthington Pump and Machinery Corporation, New York, N. Y. Deep-well pump. No. 1,219,307; Mar. 13; v. 236; p. 529.
- Hewlett, George J. (See Crouch and Hewlett.)
- Hewlett, Maddra J., Kewanee, Ill. Water-supply apparatus. No. 1,234,024; July 17; v. 240; p. 884.
- Hewson, E., et al. (See Sartain, Louis M., assignor.)
- Hey, Edmund A., Chicago, Ill., assignor to Wirebounds Patents Company, Kittery, Me. Box. No. 1,233,471; July 17; v. 240; p. 706.
- Hey, John G., assignor to Cincinnati Pulley Machinery Company, Cincinnati, Ohio. Feed mechanism for drilling-machines. No. 1,216,689; Feb. 20; v. 235; p. 865.
- Heybach, Frederick J., Baltimore, Md. Sewer-trap. No. 1,220,123; Mar. 20; v. 236; p. 847.
- Heydon, Edward, Indianapolis, Ind. Pipe-joint. No. 1,246,427; Nov. 13; v. 244; p. 415.
- Heyer, Carl D., Laird, Colo. Beet-harvesting machine. No. 1,218,860; Mar. 13; v. 236; p. 379.
- Heyer, Friedrich L., Chicago, Ill. Attachment for automobiles. No. 1,249,396; Dec. 11; v. 245; p. 310.
- Heyl, George E., London, England. Cresote-oil substitute and making same. No. 1,242,188; Oct. 9; v. 243; p. 269.
- Heyl, Henry R., Philadelphia, Pa. Paper container. No. 1,233,356; July 17; v. 240; p. 667.
- Heylman, Edward M., assignor to Oliver Chilled Plow Works, South Bend, Ind. Cultivator. No. 1,212,950; Jan. 16; v. 234; p. 955.
- Heylman, Edward M., assignor to Oliver Chilled Plow Works, South Bend, Ind. Cultivator. No. 1,216,568; Feb. 20; v. 235; p. 825.
- Heylman, Edward M., assignor to Oliver Chilled Plow Works, South Bend, Ind. Engine gang-plow. No. 1,234,760; July 31; v. 240; p. 1190.
- Heylman, Edward M., assignor to Oliver Chilled Plow Works, South Bend, Ind. Engine gang-plow. No. 1,234,761; July 31; v. 240; p. 1191.
- Heylman, Edward M., assignor to Oliver Chilled Plow Works, South Bend, Ind. Follower-wheel construction for plows. No. 1,234,762; July 31; v. 240; p. 1191.
- Heyman, David, et al. (See Arden, Thomas R., assignor.)
- Heyman, David A. (See Wiggins, Edward J., assignor.)
- Heymann, Bernhard, Wiesdorf-on-the-Niederrhein, R. Kothe, Opladen, near Cologne, O. Dressel, Mülheim, near Cologne, and A. Ossenbeck, Cologne, Germany, assignors to Synthetic Patents Co., Inc., New York, N. Y. Ureids and thioureids. No. 1,218,654; Mar. 13; v. 236; p. 302.
- Heymann, Bernhard, Wiesdorf Niederrhein, R. Kothe, Vohwinkel, near Elberfeld, O. Dressel, Mülheim-on-the-Rhine, and A. Ossenbeck, Cologne, Germany, assignors to Synthetic Patents Co., Inc., New York, N. Y. Derivatives of substituted aminonaphthalene substances. No. 1,218,655; Mar. 13; v. 236; p. 302.
- Heymann, Morris, Annapolis, Md. Extension-table. No. 1,244,208; Oct. 23; v. 243; p. 963.
- Heyroth, Albert H., Geraldine, Mont. Wind-wheel electric generator. No. 1,233,232; July 10; v. 240; p. 591.
- Heys, John J., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-pressing machine. No. 1,222,866; Apr. 17; v. 237; p. 726.
- Heys, John J., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-gage for boots and shoes. No. 1,229,265; June 12; v. 239; p. 349.
- Heywood Brothers & Wakefield Company. (See Goodacre and Allen, assignors.)
- Heywood Brothers and Wakefield Company. (See O'Hearn, George E., assignor.)
- Heywood Brothers and Wakefield Company. (See Ogle, George M., assignor.)
- Heywood Brothers and Wakefield Company. (See Van Derveer, Clarence A., assignor.)
- Heywood, Charles H., and D. E. Travis, Waukegan, Ill., assignors to United States Envelope Company, Springfield, Mass. Feeding mechanism for paper or cardboard. No. 1,218,861; Mar. 13; v. 236; p. 379.
- Heywood, Robert R., New York, N. Y. Adjustable show-card. No. 1,239,485; Sept. 11; v. 242; p. 272.
- Hi-Po Waterproof Battery Corporation. (See Smith, John, assignor.)
- Hiatt, Homer C., Bliss, Okla. Engine-intake heater. No. 1,214,784; Feb. 6; v. 235; p. 105.
- Hiatt, Orson H., assignor of one-half to J. C. Williams, Portland, Oreg. Choker-hook. No. 1,219,942; Mar. 20; v. 236; p. 782.
- Hibbard, Angus S., Chicago, Ill. Recording device for meters. No. 1,245,588; Nov. 6; v. 244; p. 135.
- Hibbard, Edward R., assignor to Grip Nut Company, Chicago, Ill. Nut-lock. No. 1,228,671; June 5; v. 239; p. 100.
- Hibbard, Frank G., Wauwatosa, Wis. Spring-switch. No. 1,251,024; Dec. 25; v. 245; p. 879.
- Hibbard, Luman R., Bath, N. Y. Threaded fastening. No. 1,244,499; Oct. 30; v. 243; p. 1089.
- Hibbard, Robert L., Sewickley, assignor to Ritter-Conley Manufacturing Company, Pittsburgh, Pa. Gate-valve. No. 1,243,736; Oct. 23; v. 243; p. 820.
- Hibbert, Harold, Pittsburgh, Pa. Manufacture of explosives. No. 1,213,367; Jan. 23; v. 234; p. 1135.
- Hibbert, Harold, Pittsburgh, Pa. Liquid composition. No. 1,213,368; Jan. 23; v. 234; p. 1135.
- Hibbert, Harold, Pittsburgh, Pa. Explosive and producing same. No. 1,213,369; Jan. 23; v. 234; p. 1135.
- Hibbert, Harold, Pittsburgh, Pa. Explosive compositions and producing same. No. 1,231,351; June 26; v. 239; p. 1120.
- Hibbert, Harold, Pittsburgh, Pa., assignor to Union Carbide Company, New York, N. Y. Making acetic acid. No. 1,230,899; June 26; v. 239; p. 967.
- Hibbert, Harold, Pittsburgh, Pa., assignor to Union Carbide Company, New York, N. Y. Preparing acetaldehyde. No. 1,247,270; Nov. 20; v. 244; p. 697.
- Hibbert, Harold, and H. A. Morton, Pittsburgh, Pa., assignors to Union Carbide Company, New York, N. Y. Making acetaldehyde. No. 1,213,486; Jan. 23; v. 234; p. 1175.
- Hibbert, Harold, and H. A. Morton, Pittsburgh, Pa., assignors to Union Carbide Company, New York, N. Y. Making acetaldehyde. No. 1,213,487; Jan. 23; v. 234; p. 1175.
- Hibbert, Harold, H. Essex, and B. T. Brooks, assignors to Gulf Refining Company, Pittsburgh, Pa. Manufacture of fusel-oil or similar products from petroleum. No. 1,214,919; Feb. 6; v. 235; p. 153.
- Hibbs, Ernest V., Manchester, England. Sostenuto device for pianos. No. 1,234,474; July 24; v. 240; p. 1068.
- Hibbs, William, Oskaloosa, Iowa. Corn-harvester. No. 1,240,847; Sept. 25; v. 242; p. 770.
- Hibler, William T., Owensville, Mo. Corn-planter. No. 1,236,562; Aug. 14; v. 241; p. 365.
- Hibner, Philip D., Seattle, Wash. Means for regulating fuel mixtures for internal-combustion engines. No. 1,230,404; June 19; v. 239; p. 763.
- Hibner, Philip D., Seattle, Wash. Rotary air-compressor. No. 1,242,692; Oct. 9; v. 243; p. 430.
- Hibner, Philip D., Seattle, Wash. Rotary explosive-engine. No. 1,242,693; Oct. 9; v. 243; p. 430.
- Hice, John W., Johnson City, Tenn. Apparatus for bending and setting stock. No. 1,234,665; July 24; v. 240; p. 1126.
- Hice, William E., Pittsburgh, Pa. Grinding apparatus. No. 1,224,169; May 1; v. 238; p. 19.
- Hick, Harry J., Alliance, Ohio. Filing appliance. No. 1,227,550; May 22; v. 238; p. 1301.
- Hick, Harry J., Alliance, Ohio. Filing appliance. No. 1,228,021; May 29; v. 238; p. 1491.
- Hick, Harry J., assignor, by mesne assignments, to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,227,785; May 29; v. 238; p. 1410.
- Hick, Harry J., assignor to The McCaskey Register Company, incorporated in 1914, Alliance, Ohio. Lock. No. 1,232,034; July 3; v. 240; p. 168.
- Hick, Harry J., assignor, by mesne assignments, to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,234,025; July 17; v. 240; p. 885.
- Hick, Harry J., assignor to The McCaskey Register Company, Alliance, Ohio. Filing-appliance case. No. 1,242,440; Oct. 9; v. 243; p. 348.
- Hick, Harry J., assignor to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,242,694; Oct. 9; v. 243; p. 431.
- Hickerson, Sterling P., Fullerton, Nebr. Collapsible chicken-coop. No. 1,211,152; Jan. 2; v. 234; p. 265.
- Hickey, William B., Sapulpa, Okla. Corn-cutter, &c. No. 1,214,460; Jan. 30; v. 234; p. 1538.
- Hickinbotham, John C., Stockton, Cal. Motor-vehicle top. No. 1,248,116; Nov. 27; v. 244; p. 972.
- Hickling, Frederick G., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,236,711; Aug. 14; v. 241; p. 415.
- Hickman, Brooking T. (See Betker, Edward T., assignor.)
- Hickman, Brooking T., Kansas City, Mo. Drying-tumbler. No. 1,243,603; Oct. 16; v. 243; p. 743.
- Hickman, Francis, assignor to Bound Brook Oil-Less Bearing Company, Boundbrook, N. J. Lubricating strip or element. No. 1,235,475; July 31; v. 240; p. 1406.
- Hickman, Francis, assignor of one-half to Bound Brook Oil-Less Bearing Company, Boundbrook, N. J. Cushion-tire. No. 1,244,209; Oct. 23; v. 243; p. 963.
- Hickman, Henry, San Francisco, Cal. Egg-testing device. No. 1,236,080; Aug. 7; v. 241; p. 178.
- Hickman, James T., Jr., Springfield, Ind. Power-driven cultivator. No. 1,231,352; June 26; v. 239; p. 1121.
- Hickman, John, Tangleflag, Saskatchewan, Canada. Rotary tooth-brush. No. 1,225,955; May 15; v. 238; p. 727.
- Hickman, John S., Titusville, Fla. Electric switch. No. 1,245,103; Oct. 30; v. 243; p. 1271.
- Hickman, Milton L., Rapid City, S. D. Separator. No. 1,215,935; Feb. 13; v. 235; p. 548.
- Hickman, Patrick H., assignor of one-half to T. A. Hickman, Irvington, N. J. Interchangeable last. No. 1,212,768; Jan. 16; v. 234; p. 894.
- Hickman, Patrick H., assignor of one-half to T. A. Hickman, Irvington, N. J. Last. No. 1,237,645; Aug. 21; v. 241; p. 751.
- Hickman, Samuel L., assignor of one-half to C. H. Stephan, Springfield, Ohio. Supporting device for ironing-boards, &c. No. 1,213,641; Jan. 23; v. 234; p. 1228.
- Hickman, Stephen C., Chariton, Iowa. Pulling-jack for motor-vehicles. No. 1,228,918; June 5; v. 239; p. 184.

Alphabetical list of patentees—Continued.

- Hickman, Stephen C., Chariton, Iowa. Pulling-jack for motor-vehicles. No. 1,243,172; Oct. 16; v. 243; p. 614.
- Hickman, Thomas A. (See Hickman, Patrick H., assignor.)
- Hickok, Arthur S. (See Myers, Hubert A., assignor.)
- Hickox, Arthur S., Hopland, Cal. Attachment for automobiles. No. 1,238,404; Aug. 28; v. 241; p. 1028.
- Hicks, Arthur G., Sargents, Colo. Automatic pressure-tank. No. 1,236,386; Aug. 7; v. 241; p. 272.
- Hicks, Charles T., Paterson, N. J. Clothes-line tightener. No. 1,250,876; Dec. 18; v. 245; p. 785.
- Hicks, Claud J., assignor to J. R. and C. E. Thomas, Clearwater, Fla. Auxiliary hood for motor-vehicles. No. 1,241,974; Oct. 2; v. 243; p. 160.
- Hicks, Elmer. (See Miller, Frank F., assignor.)
- Hicks, George C., Chicago, Ill. Paint composition. No. 1,215,022; Feb. 6; v. 235; p. 191.
- Hicks, George C., Jr., Connerville, Ind. Shaft-coupling. No. 1,219,943; Mar. 20; v. 236; p. 782.
- Hicks, George C., Jr., Connerville, Ind. Pump. No. 1,241,513; Oct. 2; v. 243; p. 13.
- Hicks, Guy W., Falls Creek, Pa. Railway-tie. No. 1,251,229; Dec. 25; v. 245; p. 938.
- Hicks, Ira C., and G. L. Summers, Huntington, W. Va. Hobby-horse. No. 1,241,975; Oct. 2; v. 243; p. 161.
- Hicks, James W., Clifton Hill, assignor of one-third to T. A. Nolan and one-third to E. Webb, Victoria, Australia. Clothes-pin. No. 1,225,630; May 8; v. 238; p. 575.
- Hicks, John, Calgary, Alberta, Canada. Gas-burner. No. 1,232,921; July 10; v. 240; p. 492.
- Hicks, John, Calgary, Alberta, Canada. Gas-burner. No. 1,233,779; July 17; v. 240; p. 805.
- Hicks, John, Calgary, Alberta, Canada. Gas-burner for furnaces. No. 1,237,780; Aug. 21; v. 241; p. 794.
- Hicks, Levi, Holland, Mich., assignor to Invincible Grain Cleaner Company, Silver Creek, N. Y. Grain-scouring appliance. No. 1,221,855; Apr. 10; v. 237; p. 329.
- Hicks, Olie J., Centerburg, Ohio. Automobile-tire. No. 1,223,049; Apr. 17; v. 237; p. 788.
- Hicks, Presley N., St. Louis, Mo. Ship-propelling apparatus. No. 1,239,009; Sept. 4; v. 242; p. 93.
- Hicks, Rufus L., Columbia, Mo. Playing-cards. No. 1,215,657; Feb. 13; v. 235; p. 449.
- Hicks, Thomas W., Minneapolis, Minn. Planting. No. 1,226,515; May 15; v. 238; p. 916.
- Hicks, Thomas W., assignor to Scientific Farming Machinery Company, Minneapolis, Minn. Planter. No. 1,231,353; June 26; v. 239; p. 1121.
- Hicks, Thomas W., assignor to Scientific Farming Machinery Company, Minneapolis, Minn. Preparing seed-beds. No. 1,239,599; Sept. 11; v. 242; p. 309.
- Hicks, Ulysses S., Hilts, Cal. Vegetable-slicer. No. 1,212,055; Jan. 9; v. 234; p. 611.
- Hicks, William T., Bloomington, Ind. Fence-post. No. 1,244,607; Oct. 30; v. 243; p. 1122.
- Hicks, William T., Bloomington, Ind. Mold for posts. No. 1,244,608; Oct. 30; v. 243; p. 1122.
- Hickson Edwin J., Butler, Pa. Bed. No. 1,221,856; Apr. 10; v. 237; p. 329.
- Hidalgo, Oscar. (See Lindsay and Hidalgo.)
- Hidden, Charles P., Brookline, assignor to The Lamson Company, Boston, Mass. Carrier-despatch power-control system. No. 1,248,657; Dec. 4; v. 245; p. 67.
- Hidden, Charles P., Brookline, assignor to The Lamson Company, Boston, Mass. Single-tube pneumatic-despatch system. No. 1,248,658; Dec. 4; v. 245; p. 68.
- Hide-ite Leather Co. (See Eising, Edwin B., assignor.)
- Hide Leather & Belting Company. (See Bell, Harry A., assignor.)
- Hide, Leather & Belting Company. (See Bell and Swoboda, assignors.)
- Hildebaugh, W. W. (See Palmer, Ira A., assignor.)
- Hiemenz, Wilhelm, and L. Taub, Elberfeld, Germany, assignors to Synthetic Patents Co., Inc., New York, N. Y. Substituted barbituric acids. No. 1,217,446; Feb. 27; v. 235; p. 1170.
- Hiemenz, Wilhelm, and L. Taub, Elberfeld, Germany, assignors to Synthetic Patents Co., Inc., New York, N. Y. Substituted barbituric acids. No. 1,217,447; Feb. 27; v. 235; p. 1170.
- Hier, John W., deceased, Huntington, Ind.; C. A. Butler, administrator. Garbage and refuse incinerator. No. 1,233,288; July 10; v. 240; p. 608.
- Hizbee, Charles, Kirkwood, Ill. Hog-trap. No. 1,243,838; Oct. 23; v. 243; p. 853.
- Hiedon, Orville B., Waterloo, Iowa. Card-indexing device. No. 1,237,336; Aug. 21; v. 241; p. 652.
- Higel, Otto, Toronto, Ontario, Canada. Metal gear-frame and adjustable brake. No. 1,234,164; July 24; v. 240; p. 966.
- Higel, Otto, Toronto, Ontario, Canada. Wind-shield. No. 1,249,397; Dec. 11; v. 245; p. 310.
- Higgin, Henry. (See Traut and Higgin.)
- Higgin, Henry, assignor to The Higgin Manufacturing Company, Newport, Ky. Window-screen. No. 1,248,857; Dec. 4; v. 245; p. 128.
- Higgin, Henry, assignor to The Higgin Manufacturing Company, Newport, Ky. Window-screen. No. 1,248,858; Dec. 4; v. 245; p. 128.
- Higgin Manufacturing Company, The. (See Higgin, Henry, assignor.)
- Higgin Manufacturing Company, The. (See Traut and Coleman, assignors.)
- Higgins, Arthur H., assignor to Minerals Separation Limited, London, England. Treatment of ores. No. 1,227,615; May 29; v. 238; p. 1352.
- Higgins, Arthur H., London, England, assignor, by mesne assignments, to Minerals Separation North American Corporation. Concentration of ores. No. 1,236,933; Aug. 14; v. 241; p. 486.
- Higgins, Arthur H., London, England, assignor, by mesne assignments, to Minerals Separation North American Corporation. Concentration of ores. No. 1,236,934; Aug. 14; v. 241; p. 486.
- Higgins, Ellen M., Marlboro, N. H. Halter. No. 1,232,308; July 3; v. 240; p. 258.
- Higgins, Eric B., Wallasey, England. Conversion of unsaturated into saturated compounds. No. 1,211,704; Jan. 9; v. 234; p. 488.
- Higgins, George H. (See Richardson and Higgins.)
- Higgins, George H., Grand Rapids, Mich. Robe-rack. No. 1,233,576; July 17; v. 240; p. 742.
- Higgins, George H., assignor to Cortland Carriage Goods Co., Cortland, N. Y. One-man top. No. 1,217,120; Feb. 20; v. 235; p. 1012.
- Higgins, Henry B., Jr., assignor to The Consolidated Inventions Company, Denver, Colo. Liquid-fuel atomizer for internal-combustion engines. No. 1,244,733; Oct. 30; v. 243; p. 1161.
- Higgins, James E., assignor to Hydro-Carbon Gas Generator Company, Incorporated, New Orleans, La. Fluid-fuel apparatus. No. 1,246,004; Nov. 6; v. 244; p. 256.
- Higgins, John G., Chattanooga, Tenn. Insect-trap. No. 1,249,753; Dec. 11; v. 245; p. 414.
- Higgins, Joseph W., Bordentown, N. J. Automobile-headlight. No. 1,244,734; Oct. 30; v. 243; p. 1161.
- Higgins, Patrick J., et al. (See Thompson, William I., assignor.)
- Higgins, William J., and C. J. Sheridan, Buffalo, N. Y. Electric signaling system for railways. No. 1,245,589; Nov. 6; v. 244; p. 136.
- Higginson, George S., London, England. Disintegrating-machine. No. 1,235,030; July 31; v. 240; p. 1274.
- Higgs, Henry, assignor to Klauder-Weldon Dyeing Machine Company, Amsterdam, N. Y. Dyeing-machine. No. 1,229,612; June 12; v. 239; p. 467.
- High, Joe B., Brunswick, Ga. Condenser for automobiles. No. 1,219,000; Mar. 13; v. 236; p. 426.
- High, Luther W. (See Perryclear, William E., assignor.)
- Higham, Daniel, New York, N. Y. Combined phonograph and moving-picture apparatus. No. 1,226,883; May 22; v. 238; p. 1078.
- Higham, John. (See Lohman and Higham.)
- Higham, John, Los Angeles, Cal. Cigar-shield. No. 1,250,877; Dec. 18; v. 245; p. 785.
- Highams, Frank T., Houston, Tex. Cutter. No. 1,239,486; Sept. 11; v. 240; p. 273.
- Highfield, Charles F., Saltcoats, Saskatchewan, Canada. Traction device for automobile-wheels. No. 1,241,848; Oct. 2; v. 243; p. 121.
- Highhouse, Lewis A., Honesdale, Pa. Wire-stretcher. No. 1,216,809; Feb. 20; v. 235; p. 907.
- Hight & Co., W. T. (See Hight, William T., assignor.)
- Hight, William T., assignor to W. T. Hight & Co., Boston, Mass. Sliding-shoe for furniture. No. 1,212,220; Jan. 16; v. 234; p. 696.
- Hightower, Charles G., Eureka, Cal. Repair patch or plug for metallic structures. No. 1,215,530; Feb. 13; v. 235; p. 401.
- Hightower, Frank, Montrose, Colo. Excavator. No. 1,245,590; Nov. 6; v. 244; p. 136.
- Higinbotham, Arthur O., assignor to C. B. Foster and Company, Worcester, Mass. Relief-valve for compressor systems. No. 1,212,951; Jan. 16; v. 234; p. 955.
- Higinbotham, Arthur O., assignor to Charles B. Foster and Company, Worcester, Mass. Steering-gear for vehicles. No. 1,222,290; Apr. 10; v. 237; p. 482.
- Higinbotham, Arthur O., assignor to C. B. Foster and Company, Worcester, Mass. Starting device for internal-combustion engines. No. 1,231,738; July 3; v. 240; p. 69.
- Higley, Ethel V., Glens Falls, N. Y. Garment. No. 1,250,878; Dec. 18; v. 245; p. 785.
- Hikes, Waldo E. (See Curtis, Frank E., assignor.)
- Hikida, Jinkichi, Toyama-Ken, Japan. Tube-cleaner for marine boilers. No. 1,228,437; June 5; v. 239; p. 22.
- Hilbers, George H. (See Knierim and Hilbers.)
- Hilbers, George H., Hooper, Nebr. Locking device for cranks. No. 1,238,912; Sept. 4; v. 242; p. 62.
- Hild, Frederic W., Denver, Colo. Car-coupling. No. 1,250,457; Dec. 18; v. 245; p. 660.
- Hild, Fritz J., Jacksonville, Fla. Box or container. No. 1,237,781; Aug. 21; v. 241; p. 794.
- Hildebrand, Benjamin F., Agnew, Cal. Nut-locking washer. No. 1,227,265; May 22; v. 238; p. 1209.
- Hildebrand, David F., and J. E. Johnson, Zillah, Wash. Loading and dumping mechanism for scrapers. No. 1,216,569; Feb. 20; v. 235; p. 825.
- Hildebrand, Edward P. (See Auckland and Hildebrand.)
- Hildebrand, Harry D., Pittsburgh, Pa. Valve. No. 1,229,455; June 12; v. 239; p. 413.
- Hildebrand, Harry D., Pittsburgh, Pa. Valve. No. 1,229,456; June 12; v. 239; p. 413.

- Hildebrand, Harry D., Pittsburgh, Pa. Valve. No. 1,229,457; June 12; v. 239; p. 414.
- Hildebrand, Henry Y., Johnstown, Pa., assignor to Cambria Steel Company. Planter-wheel. No. 1,238,405; Aug. 28; v. 241; p. 1028.
- Hildebrand, John. (See Bartel and Hildebrand.)
- Hildebrand, John, Bridgeport, Conn. Automatic boiler. No. 1,230,296; June 19; v. 239; p. 730.
- Hildeton, Olof N., Stockholm, Wis. Figure toy. No. 1,223,280; Apr. 17; v. 237; p. 864.
- Hilding, Albert W., Amston, Conn. Pulley-clothes-line puller. No. 1,234,475; July 24; v. 240; p. 1068.
- Hilding, Ernst A., assignor to Aktiebolaget Svenska Luftventiler, Lidingö, Sweden. Air-valve for pneumatic tires. No. 1,212,640; Jan. 16; v. 234; p. 848.
- Hilding, Ernst A., assignor to Aktiebolaget Svenska Luftventiler, Lidingö, Sweden. Air-valve for pneumatic tires. No. 1,212,641; Jan. 16; v. 234; p. 848.
- Hilding, Ernst A., Lidingö, Sweden. Air-valve for pneumatic tires for bicycles or the like. No. 1,237,041; Aug. 14; v. 241; p. 521.
- Hildt, August, Jersey City, N. J., assignor to New Jersey Quilting Co. Quilting-machine. No. 1,221,857; Apr. 10; v. 237; p. 330.
- Hileman, Andrew C., Butler, Pa., assignor to Triple Airless Tire Company. Cushion-tire. No. 1,241,380; Sept. 25; v. 242; p. 937.
- Hillfrank, John W., assignor of one-third to L. Hotelling, White Plains, N. Y. Expansion-fastening for casters. No. 1,223,877; Apr. 24; v. 237; p. 1109.
- Hilgendorf, Louis W., Fountain, Colo. Cartridge-magazine. No. 1,227,439; May 22; v. 238; p. 1263.
- Hilgendorf, Otto F., and W. C. Palmer, assignors to Kelco Company, Chicago, Ill. Printing-press. No. 1,246,268; Nov. 13; v. 244; p. 366.
- Hilger, James, Scottville, Mich. Separator or screen for threshing-machines. No. 1,224,377; May 1; v. 238; p. 94.
- Hilgers, Martin, Tazewell county, Ill. Respirating device. No. 1,210,939; Jan. 2; v. 234; p. 194.
- Hill, Arthur L., Faxon, Okla. Fishing-hook. No. 1,239,487; Sept. 11; v. 242; p. 273.
- Hill, Austin G., Chelsea, Mass. Toggle for use in stretching leather. No. 1,212,485; Jan. 16; v. 234; p. 791.
- Hill, Charles F., Janesville, Wis. Bookbinding device. No. 1,212,352; Jan. 16; v. 234; p. 745.
- Hill, Charles H., Nichols, Fla. Beet-harvesting machine. No. 1,250,458; Dec. 18; v. 245; p. 660.
- Hill, Charles V., and H. H. K. Schwerdtmann, assignors to Hill Manufacturing Company, St. Louis, Mo. Combined shelf and shield for radiators. No. 1,240,573; Sept. 18; v. 242; p. 650.
- Hill, Clement V., Trenton, N. J. Heater for brooders. (Reissue.) No. 14,386; Oct. 30; v. 243; p. 1287.
- Hill, Daniel, assignor to International Braid Co., Providence, R. I. Lacing-tip. No. 1,218,260; Mar. 6; v. 236; p. 132.
- Hill, Edward A., Norwalk, Ohio. Heating attachment for feed-water injectors. No. 1,221,989; Apr. 10; v. 237; p. 377.
- Hill, Edward F., assignor to E. W. Hill, Chicago, Ill. Loose-leaf-binder construction. No. 1,224,464; May 1; v. 238; p. 126.
- Hill, Edward W. (See Hill, Edward F., assignor.)
- Hill, Edward W., Chicago, Ill. Loose-leaf binder. No. 1,224,465; May 1; v. 238; p. 127.
- Hill, Edward W., Chicago, Ill. Combined pencil and pencil-sharpener. No. 1,228,672; June 5; v. 239; p. 100.
- Hill, Edward W., Chicago, Ill. Sheet-edge protector. No. 1,250,174; Dec. 18; v. 245; p. 576.
- Hill, Edward W., assignor to A. B. Dick Company, Chicago, Ill. Device for preparing stencil-sheets. No. 1,214,785; Feb. 6; v. 235; p. 105.
- Hill, Elijah R., New Albany, Miss. Closet-tank ball-cock. No. 1,212,056; Jan. 9; v. 234; p. 612.
- Hill, Enoch, Dallas, S. D. Extractor for pulling headless nails, spikes, and the like. No. 1,221,323; Apr. 3; v. 237; p. 114.
- Hill, Frank H., and H. Jeffrey, assignors of one-third to O. Knudson, Grand Forks, N. D. Railway-car seat. No. 1,238,913; Sept. 4; v. 242; p. 62.
- Hill, Fred T., Chicago, Ill. Garment-clasp. No. 1,218,769; Mar. 13; v. 236; p. 314.
- Hill, Frederick W., Boston, Mass. Roller-skate. No. 1,216,690; Feb. 20; v. 235; p. 865.
- Hill, George S., Strafford, N. H., assignor to United Shoe Machinery Company, Paterson, N. J. Stopping mechanism. No. 1,212,486; Jan. 16; v. 234; p. 791.
- Hill, George S., Strafford, N. H., assignor to United Shoe Machinery Company, Paterson, N. J. Buttonhole-sewing machine. No. 1,216,316; Feb. 20; v. 235; p. 735.
- Hill, George S., Strafford, N. H., assignor to United Shoe Machinery Company, Paterson, N. J. Spool-holder for sewing-machines. No. 1,219,638; Mar. 20; v. 236; p. 675.
- Hill, George S., Strafford, N. H., assignor to United Shoe Machinery Company, Paterson, N. J. Eyelet-sewing machine. No. 1,225,247; May 8; v. 238; p. 444.
- Hill, George S., Strafford, N. H., assignor to United Shoe Machinery Company, Paterson, N. J. Buttonhole-sewing machine. No. 1,231,890; July 3; v. 240; p. 119.
- Hill, George S., Strafford, N. H., assignor to United Shoe Machinery Company, Paterson, N. J. Buttonhole-sewing machine. No. 1,233,270; July 10; v. 240; p. 603.
- Hill, Gregory C., Victor, N. Y. Insulator. No. 1,238,768; Sept. 4; v. 242; p. 14.
- Hill & Griffith Company, The. (See Weissmann, Frederick W., assignor.)
- Hill, H. Philip, San Antonio, Tex., assignor of one-half to A. D. Haskell, Alexandria, Minn. Paracentesis-needle or trocar. No. 1,248,492; Dec. 4; v. 245; p. 18.
- Hill, Harriet, New York, N. Y. Paper-lined receptacle. No. 1,213,194; Jan. 23; v. 234; p. 1073.
- Hill, Harriet, New York, N. Y. Paper-receptacle. No. 1,217,599; Feb. 27; v. 235; p. 1225.
- Hill, Harry M., St. Louis, Mo., assignor to Educational Motion Picture Machine & Film Co. Intermittent worm-gearing. No. 1,214,786; Feb. 6; v. 235; p. 105.
- Hill, Harvey E., Galesburg, Mich. Combined brace and antirattle for brake-rods. No. 1,220,747; Mar. 27; v. 236; p. 1100.
- Hill, Herbert E. (See Carlson and Hill.)
- Hill, Howard H., Upper Montclair, N. J. Detachable handle. No. 1,212,057; Jan. 9; v. 234; p. 612.
- Hill-Independent Manufacturing Co. (See Scotford, Louis K., assignor.)
- Hill, James M., Lexington, Va., assignor of one-half to J. W. Bowen, Baltimore, Md. Supporter for rail ends. No. 1,238,518; Aug. 28; v. 241; p. 1066.
- Hill, Jesse H., assignor of one-fourth to B. Wilson and one-fourth to J. A. Stuart, Portland, Ore. Bushing for bowling-balls. No. 1,217,940; Mar. 6; v. 236; p. 19.
- Hill, John C., assignor of one-fifth to W. D. McNaughton, Mazenod, Saskatchewan, Canada. Bottle. No. 1,220,988; Mar. 27; v. 236; p. 1180.
- Hill, John E., assignor to Art Products Company, Boston, Mass. Milk-bottle cap. No. 1,228,775; June 5; v. 239; p. 137.
- Hill, John F., Griffin, Ga. Rail-joint and chair therefor. No. 1,215,373; Feb. 13; v. 235; p. 344.
- Hill, John J., Tonopah, Nev. Universal jig. No. 1,244,210; Oct. 23; v. 243; p. 963.
- Hill, Joseph A., Sheffield, England. Furnace-grate for locomotive and like boilers and other purposes. No. 1,212,058; Jan. 9; v. 234; p. 612.
- Hill, Judson W., assignor of one-fourth to N. H. Powell and one-fourth to F. B. Seng, Pleasant Hill, Ohio. Lamp-igniting device. No. 1,237,337; Aug. 21; v. 241; p. 652.
- Hill, Julia, Valley Junction, Iowa. Receptacle. No. 1,213,102; Jan. 16; v. 234; p. 1008.
- Hill, Lindsay L., Louisville, Ky. Railway-crossing gate. No. 1,226,213; May 15; v. 238; p. 816.
- Hill Manufacturing Company. (See Hill and Schwerdtmann, assignors.)
- Hill, Owen E., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone system. No. 1,238,140; Aug. 28; v. 241; p. 941.
- Hill, Paul C., Los Angeles, Cal. Three-piece tubular coupling. No. 1,229,079; June 5; v. 239; p. 236.
- Hill, Ralph N., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Selectively-operated system. No. 1,221,177; Apr. 3; v. 237; p. 62.
- Hill, Rollie C., Memphis, Tenn. Transmission mechanism. No. 1,228,208; May 29; v. 238; p. 1552.
- Hill, Rollie C., Memphis, Tenn. Propelling-wheel. No. 1,228,209; May 29; v. 238; p. 1552.
- Hill, Rowland, Cincinnati, Ohio. Roof-framing square. No. 1,241,976; Oct. 2; v. 243; p. 161.
- Hill, Samuel H., Arcadia, Ind. Operating-table. No. 1,241,514; Oct. 2; v. 243; p. 13.
- Hill, Stacy H. (See Gow, Alexander M., assignor.)
- Hill, Thomas A., et al. (See Armstrong, John J., Sr., assignor.)
- Hill, Thomas E., and J. J. Millett, Louisville, Ky. Means for lubricating and cleaning railway-tracks, &c. No. 1,211,845; Jan. 9; v. 234; p. 538.
- Hill, Ulysses H., Brownwood, Tex. Belt. No. 1,234,165; July 24; v. 240; p. 966.
- Hill, Walter, Short Beach, Branford, Conn. Vending-machine. No. 1,233,357; July 17; v. 240; p. 667.
- Hill, Walter L., Kenna, N. Mex. Hot-water drum. No. 1,226,516; May 15; v. 238; p. 917.
- Hill, Wilfrid. (See Wilks, Joseph P., assignor.)
- Hill, William, Alexandria, La. Cotton-compress. No. 1,230,709; June 19; v. 239; p. 866.
- Hill, William, Alexandria, La. Lawn-mower. No. 1,230,710; June 19; v. 239; p. 867.
- Hill, William, San Francisco, and L. Gardella, Oroville, Cal. Dispensing apparatus. No. 1,215,531; Feb. 13; v. 235; p. 401.
- Hill, William E. (See Trigg, John B., assignor.)
- Hill, William J. (See Ferrier, Albert C., assignor.)
- Hiller, Edward G., Manchester, England. Foot-water-circulating arrangement for economizers. No. 1,223,976; Apr. 24; v. 237; p. 1142.
- Hillerich & Bradsky Company. (See Hillerich, John A., assignor.)
- Hillerich, John A., Louisville, Ky., assignor to Hillerich & Bradsky Company. Bat. No. 1,213,370; Jan. 23; v. 234; p. 1136.
- Hillery, Frank E. (See Ryther and Hillery.)
- Hilley, Albert O., Waco, Tex. Burglar-alarm. No. 1,217,175; Feb. 27; v. 235; p. 1075.

Alphabetical list of patentees—Continued.

- Hillhouse, John T., New York, N. Y. Ignition system for internal-combustion engines. No. 1,229,266; June 12; v. 239; p. 349.
- Hillhouse, John T., Newtown, Conn. Internal-combustion engine. No. 1,243,522; Oct. 16; v. 243; p. 720.
- Hilliard, Frederick E., Brooklyn, N. Y., and W. G. Stevens, Palisades Park, N. J. Apparatus for cutting and polishing precious stones. No. 1,228,919; June 5; v. 239; p. 185.
- Hilliard, Thomas A., Sioux City, Iowa. Pocket-receptacle for lighted cigars. No. 1,238,914; Sept. 4; v. 242; p. 62.
- Hilliard, William M., Haverhill, Mass. Talking-machine attachment. No. 1,216,691; Feb. 20; v. 235; p. 866.
- Hillier, William, Waltham, N. D. Folding chair. No. 1,218,940; Mar. 13; v. 236; p. 405.
- Hilligass, William H., Payson, Ariz. Hay-baler. No. 1,235,975; Aug. 7; v. 241; p. 146.
- Hillix, Frank, Weston, Mo. Ice-cream-cone filler. No. 1,232,309; July 3; v. 240; p. 259.
- Hillman, Henry G., assignor to J. T. Clarke, New York, N. Y. Push-switch. No. 1,218,401; Mar. 6; v. 236; p. 178.
- Hillman, Henry G., assignor to J. T. Clarke, New York, N. Y. Elevator safety system. No. 1,244,211; Oct. 23; v. 243; p. 964.
- Hillman, Vincent D., Florida, Cuba. Clothes-pin. No. 1,242,804; Oct. 9; v. 243; p. 465.
- Hills, Albert E., and J. J. Dessert, assignors to Crouse-Hinds Company, Syracuse, N. Y. Jumper cable-tap. No. 1,250,175; Dec. 18; v. 245; p. 576.
- Hills, Clarence A., assignor to Hudson Motor Car Company, Detroit, Mich. Upholstery. No. 1,218,770; Mar. 13; v. 236; p. 344.
- Hills, H. L. (See Philippsen, Mathew J., assignor.)
- Hills, Harry B., Riverton, N. J. Boat. No. 1,243,938; Oct. 23; v. 243; p. 883.
- Hills, Samuel W., Jerome, Idaho. Electrical massage apparatus. No. 1,234,763; July 31; v. 240; p. 1191.
- Hills, Sidney C., assignor to The Turner & Seymour Manufacturing Co., Torrington, Conn. Curtain-rod. No. 1,210,472; Jan. 2; v. 234; p. 32.
- Hills, Sidney C., assignor to The Turner & Seymour Manufacturing Co., Torrington, Conn. Curtain-rod. No. 1,210,473; Jan. 2; v. 234; p. 32.
- Hills, Sidney C., assignor to The Turner & Seymour Manufacturing Co., Torrington, Conn. Curtain-rod. No. 1,214,678; Feb. 6; v. 235; p. 69.
- Hills, Sidney C., assignor to The Turner & Seymour Manufacturing Co., Torrington, Conn. Curtain-rod. No. 1,242,441; Oct. 9; v. 243; p. 349.
- Hillvard, Newton S., St. Joseph, Mo. Paper-towel and toilet-paper fixture. No. 1,224,378; May 1; v. 238; p. 95.
- Hillyer, Virgil M., Baltimore, Md. Educational device for teaching reading. No. 1,224,742; May 1; v. 238; p. 223.
- Hilsz, Charles, Brooklyn, N. Y. Fish-hook fastener. No. 1,232,545; July 10; v. 240; p. 368.
- Hilton, Ben F., and C. W. Joaquin, Tex. Hay-press. No. 1,231,354; June 26; v. 239; p. 1121.
- Hilton, Charley W. (See Hilton, Ben F. and C. W.)
- Hilton, Clarence E., Monarch, Wyo. Dumping device. No. 1,225,813; May 15; v. 238; p. 680.
- Hilton, Harry D., Harrold, S. D. Neck-yoke attachment for wagon poles or tongues. No. 1,233,358; July 17; v. 240; p. 668.
- Hlits, Clyde, Rome, N. Y. Motor-vehicle appliance. No. 1,234,026; July 17; v. 240; p. 885.
- Hiltz, George S., assignor to The Stock Quotation Telegraph Company, New York, N. Y. Type-wheel sleeve for printing-telegraph receivers. No. 1,220,844; Mar. 27; v. 236; p. 1135.
- Hiltz, Lawson D., Marysville, New Brunswick, Canada. Wetting attachment for trimming-machines. No. 1,227,786; May 29; v. 238; p. 1411.
- Himelspan, Frank G., Trinidad, Colo. Cartridge-belt. No. 1,227,266; May 22; v. 238; p. 1209.
- Himes, Addison N., Berkeley, Cal. Auto commissary and table. No. 1,219,101; Mar. 13; v. 236; p. 459.
- Himes, John H., Milwaukee, Wis. Valve. No. 1,221,178; Apr. 3; v. 237; p. 62.
- Himmel, Solomon. (See Holmes, William T., assignor.)
- Himmel, Solomon. (See Miller, Andrew E., assignor.)
- Himmel, Solomon, Baltimore, Md. Display-rack. No. 1,214,461; Jan. 30; v. 234; p. 1538.
- Himmel, Solomon, Baltimore, Md. Display-cabinet. No. 1,245,918; Nov. 6; v. 244; p. 234.
- Himmelfarber, George L., Reading, Pa. Antiskid device for vehicle-wheels. No. 1,218,657; Mar. 13; v. 236; p. 303.
- Hinchcliff, Henry C., Brooklyn, N. Y. Eyeletting and setting or like machine. No. 1,238,519; Aug. 28; v. 241; p. 1066.
- Hinchcliff, Henry C., Brooklyn, N. Y. Punching and setting machine. No. 1,240,207; Sept. 18; v. 242; p. 538.
- Hinchcliffe, Charles W., Lawrence, Mass. Window-screen. No. 1,214,162; Jan. 30; v. 234; p. 1435.
- Hinchley, John W., London, England. Apparatus for expressing liquid from materials. No. 1,222,209; Apr. 10; v. 237; p. 454.
- Hinchley, John W., London, England. Expressing liquid from peat. No. 1,222,210; Apr. 10; v. 237; p. 454.
- Hinckley, Albert R., Cleveland, Ohio. Rack for wearing-apparel, umbrellas, and the like. No. 1,243,173; Oct. 16; v. 243; p. 615.
- Hinckley, Avery N., Danbury, Conn. Vehicle-wheel. No. 1,246,269; Nov. 13; v. 244; p. 367.
- Hind, Robert R., Honolulu, Hawaii. Sugar-cane-mill housing. No. 1,251,025; Dec. 25; v. 245; p. 880.
- Hinde & Dauch Paper Company, The. (See Morton, Lawrence D., assignor.) (Reissue.)
- Hinde, James J., Sandusky, Ohio. Cellular paper-board. No. 1,238,668; Aug. 28; v. 241; p. 1112.
- Hindley, Joseph, Tyldesley, assignor to Fine Cotton Spinners and Doublers Association Limited, Manchester, England. Machine for combing cotton and other fibers. No. 1,245,919; Nov. 6; v. 244; p. 235.
- Hindman, Isaiah E., Oakmont, assignor to The Duff Manufacturing Company, Pittsburgh, Pa. Screw-jack. No. 1,228,210; May 29; v. 238; p. 1552.
- Hindman, Isaiah E., Crafton, Pa., assignor to The Duff Manufacturing Company, Pittsburgh, Pa. Brake mechanism for lifting-jacks. No. 1,234,334; July 24; v. 240; p. 1021.
- Hindman, Isaiah E., Ross township, Allegheny county, and G. F. Freed, Ben Avon, assignors to The Duff Manufacturing Company, North Side, Pittsburgh, Pa. Lifting-jack. No. 1,236,081; Aug. 7; v. 241; p. 178.
- Hindmarsh, Percy J., Lincoln, Nebr., assignor to The American Steel & Wire Company of New Jersey, Hoboken, N. J. Anchor for fence-posts. No. 1,214,679; Feb. 6; v. 235; p. 69.
- Hindmarsh, Percy J., Lincoln, Nebr., assignor to The American Steel & Wire Company of New Jersey, Hoboken, N. J. Post-anchor. No. 1,224,925; May 8; v. 238; p. 337.
- Hindmarsh, Percy J., Lincoln, Nebr., assignor to The American Steel & Wire Company of New Jersey, Hoboken, N. J. Fence-post anchor. No. 1,224,926; May 8; v. 238; p. 337.
- Hindmarsh, Percy J., Lincoln, Nebr., assignor to The American Steel & Wire Company of New Jersey, Hoboken, N. J. Fence-post. No. 1,224,927; May 8; v. 238; p. 338.
- Hindon, Charles B. (See Magee and Hindon.)
- Hine, Adelbert P., Woodbury, Conn. Spinning-ring. No. 1,226,661; May 22; v. 238; p. 1002.
- Hines, Edward, Philadelphia, assignor of one-half to W. H. Brooks, St. Davids, Pa. Deinking-machine for platen-wipers. No. 1,249,685; Dec. 4; v. 245; p. 190.
- Hines, James, Glasgow, Scotland. Automatic stopping device for talking-machines. No. 1,243,174; Oct. 16; v. 243; p. 615.
- Hines, John, London, England. Manufacture of roads and like surfaces. No. 1,247,271; Nov. 20; v. 244; p. 698.
- Hines, John, London, England. Means for making or repairing roads and like surfaces. No. 1,247,272; Nov. 20; v. 244; p. 698.
- Hines, William J., assignor to A. L. Preston, Leominster, Mass. Goggles. No. 1,219,815; Mar. 20; v. 236; p. 737.
- Hinsley, F. H., et al. (See Tela, David E., assignor.)
- Hinger, John A., Detroit, Mich. Radiator. No. 1,233,472; July 17; v. 240; p. 706.
- Hinger, John A., Detroit, Mich. Radiator. No. 1,234,166; July 24; v. 240; p. 966.
- Hink, Charles A., Grinnell, Iowa. Electromagnetic valve-grinder. No. 1,230,900; June 26; v. 239; p. 968.
- Hinkle, Clarence E., Roswell, N. Mex. Portable electric water-heater. No. 1,225,631; May 8; v. 238; p. 576.
- Hinkley, Milton, Benton Harbor, Mich. Basket. No. 1,235,976; Aug. 7; v. 241; p. 147.
- Hinman, Arthur V., assignor to The Hinman Milking Machine Company, Oneida, N. Y. Milking-machine. No. 1,233,668; July 17; v. 240; p. 771.
- Hinman, Charles W., and W. H. Winchester, Mass. Gas-meter. No. 1,221,179; Apr. 3; v. 237; p. 63.
- Hinman, Charles W., and W. H. Winchester, Mass. Gas-meter. No. 1,250,176; Dec. 18; v. 245; p. 576.
- Hinman, Leroy R., assignor, by mesne assignments, to The Flume Improvement Company, Denver, Colo. Flume. No. 1,226,662; May 22; v. 238; p. 1002.
- Hinman Milking Machine Company. (See Hinman, Arthur V., assignor.)
- Hinman, Walter H. (See Hinman, Charles W. and W. H.)
- Hino, Seth M., Lander, Wyo. Telephone mouthpiece. No. 1,219,459; Mar. 20; v. 236; p. 613.
- Hinrichsen, Edward E., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone signaling system. No. 1,230,578; June 19; v. 239; p. 824.
- Hinrichsen, Edward E., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,231,024; June 26; v. 239; p. 1011.
- Hinrichsen, Edward E., New York, N. Y., assignor, by mesne assignments, to Western Electric Company. Telephone-exchange system. No. 1,235,688; Aug. 7; v. 241; p. 51.
- Hinrichsen, Edward E., East Orange, and I. H. Johnson, Bloomfield, N. J., assignors to Western Electric Company, New York, N. Y. Telephone-exchange system. No. 1,238,141; Aug. 28; v. 241; p. 941.
- Hinricks, John W., Walcott, Iowa. Amusement apparatus. No. 1,244,735; Oct. 30; v. 243; p. 1162.
- Hinsdill, Charles A., Troy, N. Y. Lighting mechanism for machine-tables. No. 1,229,458; June 12; v. 239; p. 414.

- Hinshaw, Claude J., and R. L. Gable, Shelbyville, Ind. Electrically-heated valve. No. 1,240,449; Sept. 18; v. 242; p. 614.
- Hinson, William M., Local, Ala. Leg-brace. No. 1,228,113; May 29; v. 238; p. 1523.
- Hinthorn, Jesse E., Chester, Nebr. Weed-puller. No. 1,245,920; Nov. 6; v. 244; p. 235.
- Hintz, Julius C., Dayton, Ohio. Washing-machine. No. 1,239,600; Sept. 11; v. 242; p. 309.
- Hinz, Adolf, assignor to Pokorny & Wittekind Maschinenbau-Aktiengesellschaft, Frankfort-on-the-Main, Germany. Rotary compressor and operating it. No. 1,216,119; Feb. 13; v. 235; p. 614.
- Hinz, Julius C., Detroit, Mich. Burner. No. 1,221,448; Apr. 3; v. 237; p. 157.
- Hinz, Julius C., Detroit, Mich. Oil-burner. No. 1,244,329; Oct. 23; v. 243; p. 1000.
- Hipes, Leonard L., Royal Center, Ind. Adjustable drawer-stop. No. 1,249,086; Dec. 4; v. 245; p. 191.
- Hipolito, David E., deceased, Los Angeles, Cal.; H. C. Hipolito, administratrix, assignor to herself individually. Adjustable screen-hanger. No. 1,223,281; Apr. 17; v. 237; p. 865.
- Hipolito, Hazel C., administratrix. (See Hipolito, David E.)
- Hipp, Charles H., Fort Terry, N. Y. Permutation-lock. No. 1,237,906; Aug. 21; v. 241; p. 833.
- Hipp, Ella, administratrix. (See Hansen, Albert E.)
- Hippee, George P., et al. (See Thompson, John A., assignor.)
- Hippius, Alexander, Wiesbaden, Germany. Tooth-brush receptacle. No. 1,241,977; Oct. 2; v. 243; p. 161.
- Hipschen, John N., Bellevue, Iowa. Bin. No. 1,234,900; July 31; v. 240; p. 123.
- Hipwell, Harry H. (See Barnwell, Harry T. and H. H.)
- Hipwell, Harry T. and H. H., Pittsburgh, Pa. Heating device. No. 1,236,082; Aug. 7; v. 241; p. 178.
- Hires, John B., Philadelphia, Pa. Can-capping machine. No. 1,241,978; Oct. 2; v. 243; p. 161.
- Hiro Manufacturing Company. (See Barnwell, Stephen E., assignor.)
- Hirrich, Richard K., New York, N. Y. Drain-pipe cleaner. No. 1,217,763; Feb. 27; v. 235; p. 1281.
- Hirsch, Jacob H., et al. (See Adams, Charles M., assignor.)
- Hirschman, Frank H. (See Dillon, Guy, assignor.)
- Hirsh, Allan M., Montclair, N. J. Joint for concrete pipes. No. 1,231,607; July 3; v. 240; p. 23.
- Hirsh, Allan M., Montclair, and T. L. McLendon, East Orange; said McLendon assignor of one-half of the whole right to Lock Joint Pipe Company, Ampere, N. J. Joint for concrete pipes. No. 1,216,317; Feb. 20; v. 235; p. 735.
- Hirst, Harry R., assignor of one-half to W. F. Lemon & Bro., Trenton, N. J. Device for inserting plugs in tires. No. 1,223,878; Apr. 24; v. 237; p. 1110.
- Hirst, James, Ottumwa, Iowa. Axle-setting tool. No. 1,233,271; July 10; v. 240; p. 603.
- Hirt, Leon E., Charleston, W. Va. Method and apparatus for fractionating hydrocarbons. No. 1,222,402; Apr. 10; v. 237; p. 522.
- Hirt, Leon E., Los Angeles, Cal. Method of and apparatus for fractionating hydrocarbons. No. 1,250,879; Dec. 18; v. 245; p. 786.
- Hirt, Louis J., Yonkers, N. Y. Carbureter. No. 1,243,409; Oct. 16; v. 243; p. 685.
- Hirth, Carl A., assignor to Norma Compagnie G. m. b. H., Cannstatt-Stuttgart, Germany. Two-part race for roller or ball bearings. No. 1,220,633; Mar. 27; v. 236; p. 1062.
- Hirth, Carl A., assignor to Fortuna-Werke, Spezialmaschinenfabrik, G. m. b. H., Stuttgart-Cannstatt, Germany. Machine-bearing. No. 1,244,090; Oct. 23; v. 243; p. 928.
- Hirtz, John, Jr., and S. Sivick, Hastings-upon-Hudson, N. Y. Nail-holding attachment for hammers. No. 1,247,683; Nov. 27; v. 244; p. 848.
- Hiscock, Emory C., assignor to J. C. Farwell, Chicago, Ill. Pneumatic action for player-pianos. No. 1,227,787; May 29; v. 238; p. 1411.
- Hiscock, Emory C., Oak Park, assignor to J. C. Farwell, Chicago, Ill. Valve for pneumatic player-actions. No. 1,240,848; Sept. 25; v. 242; p. 770.
- Hiscock, Emory C., Oak Park, assignor to J. C. Farwell, Chicago, Ill. Pneumatic action for player-pianos. No. 1,246,096; Nov. 13; v. 244; p. 315.
- Hisey-Wolf Machine Company, The. (See Ritz, Emil, Jr., assignor.)
- Hiskey, George M., Los Angeles, Cal. Safety-razor. No. 1,226,614; May 15; v. 238; p. 947.
- Histand, Edward E., Doylestown, Pa. Snow-guard. No. 1,222,953; Apr. 17; v. 237; p. 755.
- Hitch, Albert J., Windsor, Ontario, Canada. Paper-hanging machine. No. 1,225,731; May 8; v. 238; p. 609.
- Hitchcock, Andrew J., Nashville, Tenn. Non-refillable and self-closing bottle. No. 1,215,023; Feb. 6; v. 236; p. 191.
- Hitchcock, Charles D., Chicago, Ill. Receptacle for cultivating and preserving flowers. No. 1,221,449; Apr. 3; v. 237; p. 157.
- Hitchcock, Daniel N., St. Louis, Mo. Automatic disinfecting device. No. 1,248,859; Dec. 4; v. 245; p. 128.
- Hitchcock, Edward W., Walden, Colo. Pastry-board. No. 1,251,026; Dec. 25; v. 245; p. 880.
- Hitchcock, Ella M., and E. C. Holler, Los Angeles, Cal. Skirt-marker. No. 1,229,958; June 12; v. 239; p. 580.
- Hitchcock, H. P., et al. (See Dickson, James T., assignor.)
- Hitchcock, Halbert K., Tarentum, Pa. Making clay pots or crucibles. No. 1,221,450; Apr. 3; v. 237; p. 158.
- Hitchcock, Halbert K., assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Alarm-glass. No. 1,223,583; Apr. 24; v. 237; p. 1004.
- Hitchcock, Halbert K., Pittsburgh, Pa., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Collapsible camper's stove. No. 1,238,142; Aug. 28; v. 241; p. 942.
- Hitchcock, John J., Harvey, Ill. Lavatory pump and disinfectant. No. 1,236,712; Aug. 14; v. 241; p. 415.
- Hitchcock, Joseph F. (See Hitchcock, William F. and J. F.)
- Hitchcock, Otto G., assignor to Hays Manufacturing Company, Erie, Pa. Combined stop and waste cock. No. 1,236,872; Aug. 7; v. 241; p. 267.
- Hitchcock, Romyne, New York, N. Y. Telegraph system. No. 1,224,640; May 1; v. 238; p. 186.
- Hitchcock, William F., Rochester, and W. D. Hawley Syracuse, N. Y. Time-recorder. No. 1,215,532; Feb. 13; v. 235; p. 401.
- Hitchcock, William F. and J. F., Rochester, N. Y.; J. F. Hitchcock assignor to said William F. Hitchcock. Sound-reproducing machine. No. 1,249,398; Dec. 11; v. 245; p. 311.
- Hitchner, Chester W., Philadelphia, Pa. Sandwich-cake machine. No. 1,220,845; Mar. 27; v. 236; p. 1135.
- Hitchner, Joseph C., G. A. Rumpf, and G. M. Brown, assignors to The H. and R. Garter Company, Incorporated, Philadelphia, Pa. Garter. No. 1,249,754; Dec. 11; v. 245; p. 414.
- Hite, Charles E., Philadelphia, Pa. Heat-insulating material and making same. No. 1,230,297; June 19; v. 239; p. 730.
- Hite, Charles E., Burlington, N. J., assignor to Universal Briquetting Company. Treating coal. No. 1,224,641; May 1; v. 238; p. 187.
- Hite, Marcus C. (See Marks, Albert G., assignor.)
- Hitt, Samuel E., Elyria, Ohio, and J. I. Peyton, Johnstown, Pa. Ingot-mold. No. 1,230,405; June 19; v. 239; p. 764.
- Hixson, Calvin D., Hiawatha, Kans. Drinking-fountain for poultry. No. 1,224,544; May 1; v. 238; p. 154.
- Hjartarson, Eiriken, Chicago, Ill. Sled driving and brake mechanism. No. 1,234,027; July 17; v. 240; p. 885.
- Hjelm, Alfred, assignor of one-half to E. O. Felloth, Westby, Mont. Hook and eye. No. 1,235,529; July 31; v. 240; p. 1426.
- Hjermstad, Martin M., Kenyon, Minn. Anchoring device. No. 1,230,711; June 19; v. 239; p. 867.
- Hjorth, Henrik J., Woburn, Mass. Universal lathe attachment. No. 1,232,801; July 10; v. 240; p. 453.
- Hlavaty, Joseph, Oklahoma, Okla. Burglar-alarm. No. 1,229,080; June 5; v. 239; p. 236.
- Hlubucek, Theodor, Cedar Rapids, Iowa. Garment-steaming device. No. 1,243,175; Oct. 16; v. 243; p. 615.
- Hlubucek, Theodor, Cedar Rapids, Iowa. Trousers-steamer. No. 1,243,176; Oct. 16; v. 243; p. 616.
- Hoag, Charles A., Albany, N. Y. Rotary serving-table. No. 1,235,689; Aug. 7; v. 241; p. 51.
- Hoag, James W., Oakland, Cal. Speed-governor. No. 1,240,450; Sept. 18; v. 242; p. 615.
- Hoag, James W., Oakland, Cal. Speed-governor. No. 1,247,834; Nov. 27; v. 244; p. 894.
- Hoard, Halbert L., Fort Atkinson, Wis. Massage device. No. 1,214,305; Jan. 30; v. 234; p. 1488.
- Hoard, Halbert L., Fort Atkinson, Wis. Massage device. No. 1,214,306; Jan. 30; v. 234; p. 1488.
- Hoare, John E., Toronto, Ontario, Canada. Player-piano. No. 1,210,474; Jan. 2; v. 234; p. 33.
- Hoban, William B., Chicago, Ill. Valve-spring retainer. No. 1,213,488; Jan. 23; v. 234; p. 1175.
- Hobart, Franklin G. (See Morse and Hobart.)
- Hobart, Franklin G., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Piston-pin-locking mechanism. No. 1,211,582; Jan. 9; v. 234; p. 446.
- Hobart, Franklin G., and C. B. Janke, Beloit, Wis., assignors to Fairbanks, Morse & Company, Chicago, Ill. Suction-valve holder. No. 1,229,459; June 12; v. 239; p. 414.
- Hobart Manufacturing Company, The. (See Johnston, Herbert L., assignor.)
- Hobart Manufacturing Company, The. (See Rataiczak, Thomas F., assignor.)
- Hobbisiefken, Fred. (See Smith and Hobbisiefken.)
- Hobbs, Elbert R., Buhl, Idaho. Rotary valve. No. 1,219,308; Mar. 13; v. 236; p. 530.
- Hobbs, Francis C., New York, N. Y., assignor to Brunswick-Balke-Collender Company. Suspension device for billiard-chalk. No. 1,217,941; Mar. 6; v. 236; p. 19.
- Hobbs, Frank C., New York, N. Y., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Combination game-table. No. 1,220,846; Mar. 27; v. 236; p. 1135.
- Hobbs, John O., Chicago, Ill. Flexible drive-shaft. No. 1,232,922; July 10; v. 240; p. 492.
- Hoberg, Frank H., and C. C. Thomas, Jr., Green Bay, Wis. Couch-roll. No. 1,228,114; May 29; v. 238; p. 1523.
- Hobgood, John H. (See Chilton and Hobgood.)
- Hobgood, Lewis G., Columbia, S. C. Supplementary seat for motor-cycles. No. 1,212,221; Jan. 16; v. 234; p. 696.

Alphabetical list of patentees—Continued.

- Hobing, John W., Cincinnati, Ohio. Fuel-valve. No. 1,227,616; May 29; v. 238; p. 1352.
- Hobsbawm, Isidore B., London, and J. L. Grigioni, Richmond, England. Separating sodium chlorid from liquors containing it and sodium nitrate in solution. No. 1,230,162; June 19; v. 239; p. 684.
- Hobsbawm, Isidore B., London, and J. L. Grigioni, Richmond, England. Recovering sodium nitrate from liquors containing it and sodium chlorid in solution. No. 1,230,163; June 19; v. 239; p. 685.
- Hobson, Clarence J., and G. P. Wright, Orby, Cal. Beet-harvester. No. 1,213,371; Jan. 23; v. 234; p. 1136.
- Hobson, Francis J., Los Angeles, Cal., assignor to E. C. Seward, trustee, Brooklyn N. Y. Tractor attachment for motor-vehicles. No. 1,246,097; Nov. 13; v. 244; p. 315.
- Hobson, Oliver J. (See Beckworth and Hobson.)
- Hoch, Abraham. (See Tiger and Hoch.)
- Hoch, Delton L., Columbus, Ohio. Oil-burner. No. 1,233,577; July 17; v. 240; p. 742.
- Hoch, Joseph, Milwaukee, Wis. Car-replacing device. No. 1,250,177; Dec. 18; v. 245; p. 577.
- Hochberg, Anthony, Wilkes-Barre, Pa. Drain-pipe reamer. No. 1,321,734; Apr. 3; v. 237; p. 254.
- Hochberg, Oscar, assignor to American Car and Foundry Company, St. Louis, Mo. Reinforced car-wall construction. No. 1,224,743; May 1; v. 238; p. 224.
- Hochon, Paul L., and N. Gjorgjevitch, Paris, France; said Gjorgjevitch assignor to said Hochon. Transportable power-winch. No. 1,243,292; Oct. 16; v. 243; p. 651.
- Hochriem, Gustav F. and L. E., Chicago, Ill. Motor-drill. No. 1,214,680; Feb. 6; v. 235; p. 70.
- Hochriem, Ludwig E. (See Hochriem, Gustav F. and L. E.)
- Hochschwender, Karl. (See Schmidt, Hochschwender, and Eichler.)
- Hochstadter, Martin, Berlin, Germany. Electrical conductor. No. 1,211,153; Jan. 2; v. 234; p. 266.
- Hochstetter, Frederick W., New York, N. Y., assignor to H. P. Patents and Processes Company, Inc. Device for exhibiting moving pictures. No. 1,226,663; May 22; v. 238; p. 1003.
- Hochstetter, Frederick W., New York, N. Y., assignor to H. P. Patents and Processes Company, Inc. Shutter and color-screen device for moving-picture machines. No. 1,247,273; Nov. 20; v. 244; p. 698.
- Hochstetter, Frederick W., New York, assignor to P. M. Pierson, Scarborough, N. Y. Apparatus for restoring blemished moving-picture films. No. 1,227,138; May 22; v. 238; p. 1167.
- Hochstetter, Heinrich von, assignor to Holzverkohlungs-Industrie Aktien-Gesellschaft, Constance, Badenia, Germany. Dry distillation of materials containing cellulose. No. 1,241,789; Oct. 2; v. 243; p. 102.
- Hochstetter, Robert, assignor to The Ault & Wiborg Company, Cincinnati, Ohio. Ink and producing same. No. 1,226,884; May 22; v. 238; p. 1079.
- Hochstrasser, Morgan T., Gainesville, Fla. Mixing cement mortar. No. 1,225,129; May 8; v. 238; p. 406.
- Hocken, James E. (See Meyer, Henry C., assignor.)
- Hocker, Jefferson C., Barnard, Mo. Fastener for vehicle-tires. No. 1,248,326; Nov. 27; v. 244; p. 1031.
- Hockett, John. (See Barcus and Hockett.)
- Hodali, Emerich, San Diego, Cal. Fruit-picker. No. 1,217,867; Feb. 27; v. 235; p. 1315.
- Hodam, Joseph A., Lincoln, Nebr. Spring-tire. No. 1,219,555; Mar. 20; v. 236; p. 648.
- Hodde, William C. (See Rial and Hodde.)
- Hoddersen-Bailing, Frederick E., Brooklyn, N. Y. Meat-slicing machine. No. 1,235,318; July 31; v. 240; p. 1361.
- Hoddinott, John F., et al. (See Hoddinott, John K., assignor.)
- Hoddinott, John K., assignor of one-fourth to J. F. Hoddinott and one-half to W. V. Montgomery, Baltimore, Md. Saw-sharpener. No. 1,250,880; Dec. 18; v. 245; p. 786.
- Hoder, Ralph, Scranton, Pa. Bracket attachment for bed-posts. No. 1,248,117; Nov. 27; v. 244; p. 972.
- Hodes, David H., Brooklyn, N. Y. Wearing-apparel. No. 1,218,941; Mar. 13; v. 236; p. 406.
- Hodgdon, George H., New York, N. Y. Decarbonizing attachment for internal-combustion motors. No. 1,211,705; Jan. 9; v. 234; p. 488.
- Hodgdon, Herbert W., et al. (See Cleaver, Fremont J., assignor.)
- Hodge, Albert P., assignor to Wm. L. Gilbert Clock Company, Winsted, Conn. Winding-stop. No. 1,217,176; Feb. 27; v. 235; p. 1076.
- Hodge, Arthur J., and H. B. Ruggles, Pasadena, Cal., assignors to American Products Company, St. Louis, Mo. Pulp gathering, transferring, squeezing, compressing, forming, and drying device for regular and irregular shaped drums or cylinders. No. 1,246,816; Nov. 13; v. 244; p. 530.
- Hodge, Arthur J., and H. B. Ruggles, Pasadena, Cal., assignors to American Products Company, St. Louis, Mo. Pulp gathering and transferring device. No. 1,249,087; Dec. 4; v. 245; p. 191.
- Hodge, Arthur J., and H. B. Ruggles, Pasadena, Cal., assignors to American Products Company, St. Louis, Mo. Pulp gathering, transferring, squeezing, and forming device. No. 1,249,088; Dec. 4; v. 245; p. 191.
- Hodge, Charlie R., C. E. Graham, and R. C. Woodard, Taft, Tenn. Planter. No. 1,216,449; Feb. 20; v. 235; p. 783.
- Hodge, Harry B., Los Angeles, Cal. Lubricating-oil. No. 1,230,579; June 19; v. 239; p. 825.
- Hodge, William B. (See Cramer and Hodge.)
- Hodges, Allan R., assignor of one-half to C. A. McAllister, Memphis, Tenn. Radial stay for locomotive-boilers. No. 1,249,958; Dec. 11; v. 245; p. 474.
- Hodges, Allan R., assignor of one-half to C. A. McAllister, Memphis, Tenn. Sectional bracing element. No. 1,249,959; Dec. 11; v. 245; p. 475.
- Hodges, Allan R., assignor of one-half to C. A. McAllister, Memphis, Tenn. Connection of the ends of tubes and tube-sheets. No. 1,250,881; Dec. 18; v. 245; p. 786.
- Hodges, Arthur, Sands Point, N. Y. Shoulder-brace. No. 1,248,860; Dec. 4; v. 245; p. 129.
- Hodges, Chauncey W., Grand Rapids, Mich. Grip-chain fastener. No. 1,220,847; Mar. 27; v. 236; p. 1136.
- Hodges, Chauncey W., Grand Rapids, Mich. Tire-chain. No. 1,229,613; June 12; v. 239; p. 468.
- Hodges, Edward T., Haverhill, Mass. Permutation-lock. No. 1,239,010; Sept. 4; v. 242; p. 93.
- Hodges, Frank W., assignor of one-half to C. Kronauer, Chicago, Ill. Harness-trace. No. 1,233,233; July 10; v. 240; p. 592.
- Hodges, Gilbert C., and W. M. Lohnes, Saratoga Springs, N. Y. Dump-wagon. No. 1,242,805; Oct. 9; v. 243; p. 465.
- Hodges, Jesse G., Osceola, Mo. Cultivator. No. 1,216,810; Feb. 20; v. 235; p. 907.
- Hodges, John S., Kuna, Idaho. Machine for cutting bread. No. 1,236,083; Aug. 7; v. 241; p. 175.
- Hodges, Ludia H., Silverton, Tex. Tire-tool. No. 1,216,995; Feb. 20; v. 235; p. 970.
- Hodgkins, Edward F., assignor to Naumkeag Buffing Machine Company, Beverly, Mass. Softening flexible material. No. 1,238,143; Aug. 28; v. 241; p. 942.
- Hodgkins, Edward F., assignor to Naumkeag Buffing Machine Company, Beverly, Mass. Machine for softening flexible material. No. 1,238,144; Aug. 28; v. 241; p. 942.
- Hodgkinson, Francis, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine. No. 1,243,523; Oct. 16; v. 243; p. 720.
- Hodgkinson, William, et al. (See Rathman, Gilbert, assignor.)
- Hodgman, Harry H., Nasonville, R. I. Shuttle-check. No. 1,212,952; Jan. 16; v. 234; p. 955.
- Hodgman Rubber Co. (See Whiteside, John C., assignor.)
- Hodgson, Gilbert H., Tampa, Fla. Surgical instrument. No. 1,234,106; July 17; v. 240; p. 910.
- Hodgson, John, Cleveland, Ohio, assignor of one-half to Tierney & Hodgson, New York, N. Y. Cap-spinning and cap-twisting machine. No. 1,212,222; Jan. 16; v. 234; p. 697.
- Hodgson, John G., Maywood, Ill., assignor to American Can Company, New York, N. Y. Spraying-machine. No. 1,227,617; May 29; v. 238; p. 1353.
- Hodgson, John G., Maywood, Ill., assignor to American Can Company, New York, N. Y. Apparatus for spreading lacquer over the interior walls of cans. No. 1,227,618; May 29; v. 238; p. 1353.
- Hodgson, John G., Maywood, Ill., assignor to American Can Company, New York, N. Y. Can-lacquering machine. No. 1,227,619; May 29; v. 238; p. 1353.
- Hodgson, John G., Maywood, Ill., assignor to American Can Company, New York, N. Y. Triple-seal can. No. 1,239,183; Sept. 4; v. 242; p. 147.
- Hodgson, John G., Maywood, Ill., assignor to American Can Company, New York, N. Y. Combined friction and hermetically-sealed can. No. 1,240,976; Sept. 25; v. 242; p. 809.
- Hodgson, John G., Maywood, Ill., assignor to American Can Company, New York, N. Y. Friction-top can. No. 1,251,027; Dec. 25; v. 245; p. 880.
- Hodgson, John R. C. (See Johnston, William J., assignor.)
- Hodgson, Raymond, New York, N. Y. Flushing-tank valve. No. 1,223,170; Apr. 17; v. 237; p. 830.
- Hodkinson, George F., assignor of one-half to American Water Softener Company, Philadelphia, Pa. Proportionate application of chemicals to fluids. No. 1,243,737; Oct. 23; v. 243; p. 820.
- Hodo, Wesley A. J., Cleburne, assignor of one-half to B. D. Cramer, Fort Worth, Tex. Ginning, cleaning, and bleaching cotton. No. 1,230,298; June 19; v. 239; p. 730.
- Hodschar, Frederick, Brooklyn, N. Y. Wet-cleaning attachment for carpet-sweepers. No. 1,221,324; Apr. 3; v. 237; p. 114.
- Hodson, Laurence C. (See Wright and Hodson.)
- Hoe, Robert, Battle Creek, Mich., assignor to R. Hoe and Co., New York, N. Y. Inking mechanism. No. 1,214,787; Feb. 6; v. 235; p. 105.
- Hoefelman, Adolph B. and E. O., Platte Center, Nebr. Pedal-lock for automobiles. No. 1,225,130; May 8; v. 238; p. 406.
- Hoefelman, Ernst O. (See Hoefelman, Adolph B. and E. O.)
- Hoefler, Wilhelm, et al. (See Schneider, Daniel, assignor.)

- Hoeffleur, Arthur V., Chicago, Ill. Gravity-conveyer. No. 1,211,154; Jan. 2; v. 234; p. 266.
- Hoefler, James H., Louisville, Ky. Magazine-pipe. No. 1,232,310; July 3; v. 240; p. 259.
- Hoeflinger, Adolph G. (See Schlott and Hoeflinger.)
- Hoelt, Martin G., Minonk, Ill. Rain and wind signal. No. 1,213,642; Jan. 23; v. 234; p. 1229.
- Hoelt, Martin G., Olpe, Kans. Wire-twister. No. 1,213,643; Jan. 23; v. 234; p. 1229.
- Hoeh, Albert C., Detroit, Mich. Reamer. No. 1,218,862; Mar. 13; v. 236; p. 380.
- Hoehn, Helene, Williamsville, N. Y. Garment. No. 1,233,057; July 10; v. 240; p. 535.
- Hoel, Howard M., and E. A. Shew, assignors to Utility Manufacturing Company, Frazee, Minn. Separator. No. 1,231,158; June 26; v. 239; p. 1057.
- Hoelscher, Gottlieb H., Battle Creek, Iowa. Joint for rails and structural steelwork. No. 1,213,195; Jan. 23; v. 234; p. 1073.
- Hoene, Alexander E., Tacoma, Wash. Corner-fastener for iron beds. No. 1,226,885; May 22; v. 238; p. 1079.
- Hoenecke, Walter J. A., assignor of one-half to E. W. Strauss, Milwaukee, Wis. Back-filling machine for excavations. No. 1,243,293; Oct. 16; v. 243; p. 651.
- Hoepner, George, Chicago, Ill. Labeling-machine. No. 1,227,139; May 22; v. 238; p. 1168.
- Hoerbelt, Bernard W., Buffalo, N. Y. Blanket for offset-printing presses and making the same. No. 1,211,706; Jan. 9; v. 234; p. 488.
- Hoerburger, Alexander, Darlington, Wis. Cheese-stirring machine. No. 1,248,327; Nov. 27; v. 244; p. 1032.
- Hoerler, John A. (See Bourdeau, Leon N., assignor.)
- Hoerr, Louis A., St. Louis, Mo. Carline. No. 1,229,267; June 12; v. 239; p. 350.
- Hoeschen, Henry A., assignor to Hoeschen Manufacturing Company, Omaha, Nebr. Signal-actuating mechanism. No. 1,232,426; July 3; v. 240; p. 294.
- Hoeschen, Joseph A. (See Hoeschen, William H. and J. A.)
- Hoeschen Manufacturing Company. (See Hoeschen, Henry A., assignor.)
- Hoeschen, William H. and J. A., Omaha, Nebr. Mechanical movement. No. 1,218,771; Mar. 13; v. 236; p. 345.
- Hoese, Aletha A., Hartington, Nebr. Glass-protector. No. 1,238,669; Aug. 28; v. 241; p. 1112.
- Hoch, William A., Greenfield, Wis. Apparatus for treating milk. No. 1,249,089; Dec. 4; v. 245; p. 192.
- Hoey, John, New York, N. Y. Milk-bottle receptacle. No. 1,229,268; June 12; v. 239; p. 350.
- Hoey, Samuel C. (See Aalborg and Hoey.)
- Hofberg, John O. (See Bancroft, Indahl, and Hofberg.)
- Hofe, Christian von, Zehlendorf, Germany, assignor to Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenaue, near Berlin, Germany. Distance-measuring instrument. No. 1,247,185; Nov. 20; v. 244; p. 673.
- Hofeldt, William G., Great Falls, Mont. Tractor. No. 1,246,920; Nov. 20; v. 244; p. 598.
- Hofer, Conrad, Trenton, N. J. Treatment of rubber or rubber compounds. No. 1,242,189; Oct. 9; v. 243; p. 269.
- Hofier, Jacob S. G., Hutchinson county, S. D. Bundle-holder for binders. No. 1,235,977; Aug. 7; v. 241; p. 147.
- Hofierle, John, assignor of one-fourth to L. Auer, one-fourth to A. Auer, and one-fourth to A. Auer, Chicago, Ill. Door check and closer. No. 1,247,274; Nov. 20; v. 244; p. 698.
- Hoff, George K., assignor to Kant-Lek Faucet Co., Philadelphia, Pa. Faucet. No. 1,249,090; Dec. 4; v. 245; p. 192.
- Hoff, Harry H., and F. E. Talleur, St. Louis, Mo. Spark-plug. No. 1,241,734; Oct. 2; v. 243; p. 86.
- Hoff, Jens A., Eugene, Oreg. Garment-pole support. No. 1,235,476; July 31; v. 240; p. 1406.
- Hoff, John A., Cincinnati, Ohio. Testing device. No. 1,211,942; Jan. 9; v. 234; p. 574.
- Hoffa, William, Crawfordsville, Ind. Automatic water-supplying apparatus. No. 1,215,152; Feb. 6; v. 235; p. 233.
- Hoffacker, John L., et al. (See Sheldon, Carson J., assignor.)
- Hoffer, F. C., et al. (See Johnson, Rolly A. and G., assignors.)
- Hofferberth, William M., Redwood, N. Y. Gearing. No. 1,212,353; Jan. 16; v. 234; p. 746.
- Hoffknecht, Frank, Merced, Cal. Tread for tractors. No. 1,223,050; Apr. 17; v. 237; p. 789.
- Hoffman, Addison F., assignor of one-half to W. M. Parkin, Pittsburgh, Pa. Pickling-bath and making the same. No. 1,225,956; May 15; v. 238; p. 727.
- Hoffman, Addison F., and W. M. Parkin, Pittsburgh, Pa. Pickling metal articles. No. 1,221,735; Apr. 3; v. 237; p. 254.
- Hoffman, Aubrey F., Longford, Kans. Halter. No. 1,227,440; May 22; v. 238; p. 1263.
- Hoffman, Charles. (See Kohmann, Hoffman, and Godfrey.)
- Hoffman, Charles A., Minneapolis, Minn. Machine for grinding multifocal lenses. No. 1,241,628; Oct. 2; v. 243; p. 52.
- Hoffman, Charles A., Minneapolis, Minn. Eyeglasses. No. 1,243,410; Oct. 16; v. 243; p. 685.
- Hoffman, Cromer, Mechanicsville, N. Y. Note-register. No. 1,224,170; May 1; v. 238; p. 19.
- Hoffman, Edmund, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y. Container for talcum powder. No. 1,251,028; Dec. 25; v. 245; p. 880.
- Hoffman, Frank K., Dunkirk, N. Y. Motor-car heater. No. 1,246,098; Nov. 13; v. 244; p. 315.
- Hoffman, Frederick H., assignor to Williams, Brown & Earle, Inc., Philadelphia, Pa. Blue-printing machine. No. 1,219,944; Mar. 20; v. 236; p. 783.
- Hoffman, Frederick H., assignor to Williams, Brown & Earle, Philadelphia, Pa. Controller device for electric lighting and heating purposes. No. 1,221,451; Apr. 3; v. 237; p. 158.
- Hoffman, George B., Raven Rock, N. J. Railway construction. No. 1,223,695; Apr. 24; v. 237; p. 1046.
- Hoffman, George D., Pasadena, Cal., assignor to Hoffman Specialty Company, Chicago, Ill. Automatic air-valve for steam-radiators. No. 1,211,314; Jan. 2; v. 234; p. 322.
- Hoffman, Harry A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Coating golf-balls. No. 1,251,029; Dec. 25; v. 245; p. 881.
- Hoffman, Harry F., Allentown, Pa. Dirigible headlight. No. 1,212,642; Jan. 16; v. 234; p. 849.
- Hoffman, Harry F., Allentown, Pa. Dirigible headlight. No. 1,212,769; Jan. 16; v. 234; p. 894.
- Hoffman, Harry F., Allentown, Pa. Headlight-operating system. No. 1,217,942; Mar. 6; v. 236; p. 19.
- Hoffman, Henry F., New York, N. Y. Reciprocating pump. No. 1,248,118; Nov. 27; v. 244; p. 972.
- Hoffman, Herman B., New York, N. Y. Combination-garment. No. 1,251,030; Dec. 25; v. 245; p. 881.
- Hoffman, John N., Forest Grove, Oreg. Animal-trap. No. 1,226,517; May 15; v. 238; p. 917.
- Hoffman, John N., Forest Grove, Oreg. Rope-tightener. No. 1,248,328; Nov. 27; v. 244; p. 1032.
- Hoffman, Joseph L., Portland, Oreg. Steam-generating plant. No. 1,246,428; Nov. 13; v. 244; p. 415.
- Hoffman, Louis, Duluth, Minn. Sad-iron. No. 1,218,863; Mar. 13; v. 236; p. 380.
- Hoffman, Louis, Duluth, Minn. Sad-iron. No. 1,241,216; Sept. 25; v. 242; p. 884.
- Hoffman, Louis, San Francisco, Cal. Extension-clamp. No. 1,241,215; Sept. 25; v. 242; p. 883.
- Hoffman, Morris J., Chicago, Ill. Machine for rewinding woven fabrics. No. 1,240,800; Sept. 18; v. 242; p. 722.
- Hoffman, Peter A., Hastings, Minn. Envelope. No. 1,229,081; June 5; v. 239; p. 236.
- Hoffman Specialty Company. (See Hoffman, George D., assignor.)
- Hoffmann, Ernst F., Norfolk, Va. Machine for cutting metal bars. No. 1,245,460; Nov. 6; v. 244; p. 95.
- Hoffmann, Frederick H., Jersey City, N. J. Stropping-machine. No. 1,214,034; Jan. 30; v. 234; p. 1394.
- Hoffmann, Henry L., St. Louis, Mo., assignor to American Telephone and Telegraph Company, Boston, Mass. Service-observing system. No. 1,245,841; Nov. 6; v. 244; p. 60.
- Hoffmann, Joseph M., Brooklyn, N. Y. Spark-plug. No. 1,236,935; Aug. 14; v. 241; p. 486.
- Hoffmann, Michael, South Bethlehem, Pa. Apiary. No. 1,212,223; Jan. 16; v. 234; p. 697.
- Hoffmann, Michael, assignor of one-half to W. J. Dalton and one-sixth to F. R. Kluczny, Ivanhoe, Minn. Electric switch. No. 1,221,325; Apr. 3; v. 237; p. 114.
- Hoffmann, Willibald, Milwaukee, Wis. Display-case. No. 1,251,031; Dec. 25; v. 245; p. 881.
- Hofmeyer, Richard J., Lowell, Ariz. Automatic drawer-cover. No. 1,215,276; Feb. 6; v. 235; p. 277.
- Hofner, John W., Salisbury, N. C. Internal-combustion engine. No. 1,220,124; Mar. 20; v. 236; p. 847.
- Hofheimer, Maurice, Baltimore, Md., assignor, by mesne assignments, to Autosales Gum and Chocolate Company, New York, N. Y. Coin-detecting device for vending-machines. No. 1,212,959; Jan. 16; v. 234; p. 956.
- Hofheimer, Maurice, Baltimore, Md., assignor, by mesne assignments, to Autosales Gum and Chocolate Company, New York, N. Y. Coin-operated vending-machine. No. 1,215,659; Feb. 13; v. 235; p. 450.
- Hofman, John, Bee Branch, Ark. Operating mechanism for churns. No. 1,227,267; May 22; v. 238; p. 1210.
- Hofman, Louis A., St. Louis, Mo. Composition for making wall-plaster and plaster building-blocks. No. 1,211,445; Jan. 9; v. 234; p. 401.
- Hofmann, Sebastian C., Osage City, Mo., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. No. 1,233,473; July 17; v. 240; p. 707.
- Hofmann, Wilhelm. (See Specketer and Hofmann.)
- Hofmann, William, and C. Christy, Camden, N. J., assignors to Keystone Leather Company, Philadelphia, Pa. Leather-glazing machine. No. 1,214,462; Jan. 30; v. 234; p. 1538.
- Hofstad, Nels, Chicago, Ill. Pressure-responsive device for thermostats. No. 1,215,803; Feb. 13; v. 235; p. 499.
- Hofstrand, Henry P. (See Anderson and Hofstrand.)
- Hogan, George L., et al. (See Leary, James L., assignor.)
- Hogan, George R., and H. P. MacLagan, Chicago, Ill. System of X-ray-tube operation. No. 1,213,872; Jan. 30; v. 234; p. 1337.
- Hogan, James J., J. F. Judd, and L. M. Waite, assignors to Fitchburg Machine Works, Fitchburg, Mass. Threading mechanism for automatic lathes. No. 1,222,954; Apr. 17; v. 237; p. 755.

- Hogan, John. (See Williams, French, assignor.)
- Hogan, Roger, Geneva, N. Y. Combination-range. No. 1,225,248; May 8; v. 238; p. 444.
- Hogan, Thomas J., Portland, Me. Foldable cuff or wrist-band. No. 1,229,614; June 12; v. 239; p. 468.
- Hogan, Thomas L., New York, N. Y. Sleeve-protector and advertising device. No. 1,227,052; May 22; v. 238; p. 1137.
- Hoge, Hampden. (See Adams, Harry A., assignor.)
- Hoge, Henry R., et al. (See Espenlaub, John W., assignor.)
- Hoge, Joseph F. D. (See Hopkins and Hoge.)
- Hoge, Joseph F. D., New York, N. Y., assignor to American District Telegraph Company, Jersey City, N. J. Signaling system. No. 1,236,434; Aug. 14; v. 241; p. 322.
- Hogg, Archibald, Walker, Newcastle-upon-Tyne, England. Vessel-bulkhead. No. 1,222,867; Apr. 17; v. 237; p. 726.
- Hogg, Frederic W., The Dalles, assignor of one-half to P. A. Getz, Portland, Oreg. Pneumatically-operated window-cleaner. No. 1,237,338; Aug. 21; v. 241; p. 653.
- Hogg, William T., assignor of one-fourth to H. R. Fitzgerald and one-fourth to G. W. Robertson, Danville, Va. Automatic damper-regulator. No. 1,216,996; Feb. 20; v. 235; p. 970.
- Hoglund, Eric. (See Strom and Hoglund.)
- Hoglund, Gustav E., Chicago, Ill. Automatic violin. No. 1,231,739; July 3; v. 240; p. 69.
- Hogsett, Samuel R., Huntersville, W. Va. Vehicle-tongue support. No. 1,217,764; Feb. 27; v. 235; p. 1281.
- Hohberger, John T., Chicago, Ill. Automatic cream-machine. No. 1,215,024; Feb. 6; v. 235; p. 192.
- Hohlein, George C., Staunton, Va. Syringe. No. 1,242,866; Oct. 9; v. 243; p. 465.
- Höhn, Karl, Zurich, Switzerland. Electromagnetic time-retarding relay. No. 1,216,570; Feb. 20; v. 235; p. 825.
- Hohnberg, Fritz. (See Lehmann and Hohnberg.)
- Hohner, Will, manager. (See Buhlmann, Emil, Jr., assignor.)
- Hohorst, George R., New York, N. Y. Securing means for bolts. No. 1,238,915; Sept. 4; v. 242; p. 62.
- Hoke, George W., Elizabeth, Ind. Leaf-turner. No. 1,237,042; Aug. 14; v. 241; p. 521.
- Hoke, Harry A., Altoona, Pa. Railway draft-rigging. No. 1,213,196; Jan. 23; v. 234; p. 1073.
- Hoke, Harry A., Altoona, Pa. Railway-vehicle coupling. No. 1,216,692; Feb. 20; v. 235; p. 866.
- Hoke, Harry A., Altoona, Pa. Locomotive throttle-valve. No. 1,219,945; Mar. 20; v. 236; p. 783.
- Holaday, Albert E., Naugatuck, Conn., assignor to The American Wringer Company, Woonsocket and Providence, R. I. Clothes-wringer clamp. No. 1,213,491; Jan. 23; v. 234; p. 1176.
- Holaday, Albert E., Naugatuck, Conn., assignor to The American Wringer Company, Woonsocket, R. I. Pressure-roll release for wringers. No. 1,220,125; Mar. 20; v. 236; p. 848.
- Holaday, Albert E., Naugatuck, Conn., assignor to The American Wringer Company, Woonsocket, R. I. Pressure-roll release for clothes-wringer. No. 1,220,126; Mar. 20; v. 236; p. 848.
- Holaday, Albert E., Naugatuck, Conn., assignor to The American Wringer Company, Woonsocket, R. I. Pressure-roll release for clothes-wringers. No. 1,220,127; Mar. 20; v. 236; p. 848.
- Holbrook Company. (See Henderson, William A., assignor.)
- Holbrook, H. T., et al. (See Estes, Henry D., assignor.)
- Holbrook, Harold T., Hartford, Ky. Valve mechanism. No. 1,238,670; Aug. 28; v. 241; p. 1112.
- Holbrook, Robert A., Chicago Heights, Ill. Shortening and leavening preparation. No. 1,210,940; Jan. 2; v. 234; p. 194.
- Holbrook, Rowan, et al. (See Estes, Henry D., assignor.)
- Holcom, Jarret C., Sulphur Springs, Tex. Bellows for pneumatic leaf-turners. No. 1,216,693; Feb. 20; v. 235; p. 866.
- Holcom, Lindsey E., Twisp, Wash. Snap-hook. No. 1,224,744; May 1; v. 238; p. 224.
- Holcomb, Charles R. (See Wheeler and Holcomb.)
- Holcomb, Dello A., Youngstown, Ohio. Pen, pencil, stogie, and cigar holder. No. 1,213,644; Jan. 23; v. 234; p. 1230.
- Holcomb, Frank G., Franklin, Ky. Clevis attachment for plows. No. 1,220,225; Mar. 27; v. 236; p. 918.
- Holcomb & Hoke Mfg. Co. (See Scheeffler, Gustave A., assignor.)
- Holcomb & Hoke Mfg. Co. (See Tripp and McMeans, assignors.)
- Holcomb & Hoke Manufacturing Company. (See Talbert, Daniel H., assignor.)
- Holcomb, James L., Indianapolis, Ind. Feeding device. No. 1,216,120; Feb. 13; v. 235; p. 614.
- Holcomb, Lafayette, Las Vegas, Nev. Electrically-heated soldering-tool. No. 1,238,671; Aug. 28; v. 241; p. 1112.
- Holcomb, Walter O., et al. (See Morris, Robert B., assignor.)
- Hold Fast Caster Cup Company, The. (See Schanermann, Edward, assignor.)
- Holdaway, William S., assignor to Twin Screw Pump Co., Salt Lake City, Utah. Pump. No. 1,218,602; Mar. 6; v. 236; p. 246.
- Holden, Albert B., Andover, S. D. Broom-holder. No. 1,213,645; Jan. 23; v. 234; p. 1230.
- Holden, Artemas E. F., Centralia, W. Va. Churn-dasher. No. 1,226,518; May 15; v. 238; p. 917.
- Holden, Arthur P., and J. P. Morgan, Toronto, Ontario, Canada. Thread-milling machine. No. 1,215,804; Feb. 13; v. 235; p. 499.
- Holden, Arthur P., Toronto, Ontario, Canada. Cutter or miller for thread-cutting or milling machines. No. 1,237,516; Aug. 21; v. 241; p. 709.
- Holden, Edward R., Los Angeles, Cal. Hydrometallurgy. (Reissue.) No. 1,298; May 8; v. 238; p. 611.
- Holden, Floyd E. (See Marx and Holden.)
- Holden, George B. (See Hackstaff and Holden.)
- Holden, Hiram, Manchester, N. H. Marginal strip for boots and shoes. No. 1,250,459; Dec. 18; v. 245; p. 660.
- Holden, Hiram C., Pittsburgh, Pa., assignor to Washburn Crosby Company, Minneapolis, Minn. Obtaining starch. No. 1,221,990; Apr. 10; v. 237; p. 377.
- Holden, John E., South Boston, assignor of one-third to E. I. Jackson, Newton, and one-third to T. W. Moran, South Boston, Mass. Clutch-controlling device. No. 1,240,343; Sept. 18; v. 242; p. 581.
- Holden, Joseph B., Syracuse, N. Y. Guard for machinery. No. 1,228,920; June 5; v. 239; p. 185.
- Holden, Walter A., Ansonia, Conn. Buckle for webbing. No. 1,232,546; July 10; v. 240; p. 368.
- Holden, William E., Takapuna, near Auckland, assignor of two-thirds to The National Piano Company, Limited, Auckland, New Zealand. Transposing-piano. No. 1,236,435; Aug. 14; v. 241; p. 323.
- Holden, William H., Idaho Falls, Idaho. Pneumatic shock-absorber and air-compressor. No. 1,247,835; Nov. 27; v. 244; p. 895.
- Holden, William P. (See Zigler and Holden.)
- Holder, Albert, Los Angeles, Cal. Changeable sign. No. 1,246,600; Nov. 13; v. 244; p. 467.
- Holder, Allen G., Jr., Lucedale, Miss. Acroplane. No. 1,212,954; Jan. 18; v. 234; p. 956.
- Holder, Eugene H. (See Salter, Edmund A., assignor.)
- Holder, Henry A., Lynn, assignor to Holder-Perkins Company, Woburn, Mass. Pneumatic bed for hide and leather working machines. No. 1,211,846; Jan. 9; v. 234; p. 539.
- Holder-Perkins Company. (See Holder, Henry A., assignor.)
- Holdredge, Charles H., Stonington, Conn. Automatic ink-well. No. 1,228,921; June 5; v. 239; p. 185.
- Holdredge, Charles H., Stonington, Conn. Game. No. 1,231,608; July 3; v. 240; p. 23.
- Holdren, Andy, Martins Ferry, Ohio. Worm-wrench. No. 1,245,921; Nov. 6; v. 244; p. 235.
- Holdren, William A., Sabetha, Kans. Street-sweeping machine. No. 1,236,841; Aug. 14; v. 241; p. 456.
- Holdsworth, Fred D. (See O'Rourke and Holdsworth.)
- Holdsworth, Fred D., Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Air-compressor. No. 1,248,119; Nov. 27; v. 244; p. 972.
- Holdsworth, Fred D., Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Air-compressor. No. 1,248,120; Nov. 27; v. 244; p. 973.
- Holdsworth, Fred D., assignor to Sullivan Machinery Company, Claremont, N. H. Miter. No. 1,219,626; Dec. 11; v. 245; p. 376.
- Hole, Charles C., Fremont, Nebr. Wrench. No. 1,231,355; June 26; v. 239; p. 1122.
- Holecek, Jerry J., New York, N. Y. Necktie-stretcher. No. 1,215,277; Feb. 6; v. 235; p. 277.
- Holeny, Fred A., Lima, Ohio. License-number-plate holder. No. 1,245,461; Nov. 6; v. 244; p. 96.
- Holek, John, and W. Kucserik, Milwaukee, Wis. Fishing-signal. No. 1,217,308; Feb. 27; v. 235; p. 1120.
- Holeman, David O., El Paso, Tex. Automobile hay-rake. No. 1,251,373; Dec. 25; v. 245; p. 981.
- Holeproof Hosiery Co. (See Peters, Herman, assignor.)
- Holl, Adolph W., Cleveland, Ohio, assignor to G. W. Bowen, Auburn, N. Y. Grease-cup. No. 1,213,372; Jan. 23; v. 234; p. 1136.
- Holladay Detecto Company, The. (See Holladay, Joseph E. B., assignor.)
- Holladay, Joseph E. B., assignor to The Holladay Detecto Company, Inc., Suffolk, Va. Microphone-transmitter. No. 1,246,429; Nov. 13; v. 244; p. 416.
- Holland, Arthur S., Homer, N. Y. Mobile poultry and animal cage. No. 1,212,771; Jan. 16; v. 234; p. 895.
- Holland Automatic Lock Co. (See Holland, Luther W., assignor.)
- Holland, Earl R., and G. A. Henderson, Maricopa, Tex. Silo. No. 1,251,230; Dec. 25; v. 245; p. 928.
- Holland, Elmer K., Galt, Mo. Screen having fly-exit means. No. 1,236,936; Aug. 14; v. 241; p. 487.
- Holland Furnace Company. (See Landwehr, August H., assignor.)
- Holland, George H. (See Deady and Holland.)
- Holland, George W., Greenville, S. C. Shuttle-box. No. 1,233,234; July 10; v. 240; p. 592.

- Holland, Henry, Cleveland, Ohio. Trolley-wheel mounting. No. 1,218,555; Mar. 6; v. 236; p. 230.
- Holland, James J., Philadelphia, Pa. Atomizer. No. 1,219,309; Mar. 13; v. 236; p. 530.
- Holland, James J., assignor of one-half to G. H. Killian, Philadelphia, Pa. Atomizer. No. 1,229,615; June 12; v. 239; p. 468.
- Holland, John W., Kelso, Tenn. Detachable vehicle-body. No. 1,222,868; Apr. 17; v. 237; p. 727.
- Holland, Kirk D., Fort Worth, Tex. Apparatus for demonstrating and testing piston-packing rings. No. 1,241,849; Oct. 2; v. 243; p. 122.
- Holland-Letz, Lud, Chicago, Ill., assignor to International Harvester Company of New Jersey. Switch-controlling mechanism for self-rake reapers. No. 1,227,788; May 29; v. 238; p. 1412.
- Holland-Letz, Lud, Chicago, Ill., assignor to International Harvester Company of New Jersey. Switch-controlling mechanism for self-rake reapers. No. 1,229,616; June 12; v. 239; p. 469.
- Holland, Luther W., assignor to Holland Automatic Lock Co., Pleasant Hill, Mo. Latch. No. 1,221,180; Apr. 3; v. 237; p. 63.
- Holland, Newman H., assignor to New Jersey Patent Company, West Orange, N. J. Phonograph. No. 1,213,197; Jan. 23; v. 234; p. 1074.
- Holland, Newman H., assignor to New Jersey Patent Company, West Orange, N. J. Electric switch. No. 1,214,920; Feb. 6; v. 235; p. 154.
- Holland, Newman H., assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Telephone-transmitter. No. 1,226,886; May 22; v. 238; p. 1079.
- Holland, Newman H., assignor to New Jersey Patent Company, West Orange, N. J. Phonograph. No. 1,229,749; June 12; v. 239; p. 512.
- Holland, Robert B., North Yakima, Wash. Portable nail-distributor. No. 1,221,736; Apr. 3; v. 237; p. 254.
- Holland, Walter E., Detroit, Mich. Battery-cell. No. 1,250,460; Dec. 18; v. 245; p. 661.
- Holland, William H., Alderley Edge, England. Mud-guard for vehicles. No. 1,228,211; May 29; v. 238; p. 1553.
- Hollands, Walter, London, England. Apparatus for producing toric lenses. No. 1,221,858; Apr. 10; v. 237; p. 330.
- Hollar, Laura A., executrix. (See Hollar, William H., assignor.)
- Hollar, William H., deceased, Philadelphia, Pa.; L. A. Hollar, executrix. Automobile fuel-tank. No. 1,238,073; Aug. 21; v. 241; p. 886.
- Holle, Alexander A., Thames Ditton, assignor to The Variorplane Company, Limited, London, England. Plane and the like for aeroplanes. No. 1,225,711; May 8; v. 238; p. 602.
- Holler, Edd C. (See Hitchcock and Holler.)
- Hollerith, Herman, Washington, D. C., assignor to The Tabulating Machine Company, East Orange, N. J. Sorting-machine. No. 1,237,646; Aug. 21; v. 241; p. 751.
- Holley, Clarence M., and C. C. Jennings, assignors to Utility Compressor Company, Detroit, Mich. Mechanical movement. No. 1,210,649; Jan. 2; v. 234; p. 95.
- Holley, Henry E., Otisville, N. Y. Ophthalmic mounting. No. 1,227,620; May 29; v. 238; p. 1354.
- Holley, James A. (See Teed, Charles W., assignor.)
- Holley, James A. (See Teed and Holley.)
- Hollidge, Harry H., Oakland, Cal. Folder. No. 1,241,381; Sept. 25; v. 242; p. 937.
- Hollifield Target Practice Rod Company. (See Clemson, Richard D., assignor.)
- Hollings, Ernest, Sale, England. Manufacture of blanks for nuts. No. 1,231,891; July 3; v. 240; p. 120.
- Hollingsworth, James M. (See Brice, Fillmore W., assignor.)
- Hollingsworth, Jefferson D., and J. Mitchem, Kusa, Okla. Plastic composition and producing the same. No. 1,249,960; Dec. 11; v. 245; p. 475.
- Hollingshead, Peter. (See Chadwick and Hollingshead.)
- Hollingsworth, Spear S., assignor of one-third to J. W. Emison, Vincennes, and one-third to J. S. and N. Spiker, Knox county, Ind. Plow-shifter for traction-engines. No. 1,236,713; Aug. 14; v. 241; p. 416.
- Hollis, James B., *et al.* (See Hachman, Frederick, assignor.)
- Hollis Automatic Traction Jack Company. (See Hollis, Otis A., assignor.)
- Hollis, James B., *et al.* (See Hachmann, Frederick, assignor.)
- Hollis, Orlando B., Spokane, Wash. Automatic sash-lock. No. 1,232,683; July 10; v. 240; p. 413.
- Hollis, Otis A., assignor to Hollis Sterilizing Equipment Company, Pittsburgh, Pa. Sterilizing-cabinet. No. 1,223,490; Apr. 24; v. 237; p. 971.
- Hollis, Otis A., assignor, by mesne assignments, to Hollis Automatic Traction Jack Company, Pittsburgh, Pa. Automobile tractor-vehicle. No. 1,229,082; June 5; v. 239; p. 236.
- Hollis Sterilizing Equipment Company. (See Hollis, Otis A., assignor.)
- Hollister, Bertram K., Chicago, Ill., assignor to The Hollister-Wilson Laboratories, Portland, Me. Surgical ligature. No. 1,239,690; Sept. 11; v. 242; p. 339.
- Hollister, Edwin H., Ashland, Nebr. Printing-frame. No. 1,225,957; May 15; v. 238; p. 728.
- Hollister, Frederick L., London, England. Magneto-electric machine. No. 1,234,901; July 31; v. 240; p. 1234.
- Hollister, George S., assignor to Gibson-Hollister Manufacturing Company, Boston, Mass. Ignition device. No. 1,224,299; May 1; v. 238; p. 66.
- Hollister-Wilson Laboratories, The. (See Hollister, Bertram K., assignor.)
- Hollmann, George E., Flint, Mich. Rotary-valve hydrocarbon-engine. No. 1,213,873; Jan. 30; v. 234; p. 1337.
- Holloway, Charles, Jr. (See Makowski, John F., assignor.)
- Holloway, Harry G. (See Clemetson and Holloway.)
- Holloway, John H., La Fayette, Ind. Pneumatic lifting-jack. No. 1,248,861; Dec. 4; v. 245; p. 129.
- Holloway, John W. (See Barnett and Holloway.)
- Hollowell, Evert, Kansas City, Kans. Universal buck extension. No. 1,213,373; Jan. 23; v. 234; p. 1137.
- Holly, Carlos, Lockport, N. Y., assignor to F. N. Burt Company, Limited, Toronto, Canada. Shearing mechanism. No. 1,227,621; May 29; v. 238; p. 1354.
- Holm, John, Juneau, Alaska. Plumb-level. No. 1,240,849; Sept. 25; v. 242; p. 770.
- Holm, Laurids, San Mateo, Cal. Reversible window. No. 1,249,091; Dec. 4; v. 245; p. 192.
- Holman, Ralph H. (See Shenk and Holman.)
- Holmberg, Albert E., and E. Sandelius, Cadillac, Mich. Individual table. No. 1,247,112; Nov. 20; v. 244; p. 652.
- Holmberg, Alfred E., Maple Lake, Minn. Grain-binder deck. No. 1,239,791; Sept. 11; v. 242; p. 370.
- Holmberg, Axel F., San Francisco, Cal. Instrument-board for automobiles. No. 1,211,707; Jan. 9; v. 234; p. 488.
- Holmberg, Theodore A., Cleveland, Ohio. Gas-burner. No. 1,221,535; Apr. 3; v. 237; p. 187.
- Holmes, Arthur E., assignor to Eaton, Crane & Pike Co., Pittsfield, Mass. Machine for use in applying paper coverings or coatings to paper boxes. No. 1,237,250; Aug. 14; v. 241; p. 585.
- Holmes, Arthur L., Jr., assignor to M. E. Holmes, Detroit, Mich. Trailer attachment. No. 1,243,177; Oct. 16; v. 243; p. 616.
- Holmes, Carl J., Des Moines, Iowa. Resilient metallic tire. No. 1,232,547; July 10; v. 240; p. 369.
- Holmes, Charles E. (See Mallatt, Charles D., assignor.)
- Holmes, Charles M., Jacksonville, Fla. Device for coupling a telegraph transmitter and sending-key. No. 1,232,548; July 10; v. 240; p. 369.
- Holmes, Chris W., assignor of one-half to J. A. Larson, Staples, Minn. Egg-tester. No. 1,222,403; Apr. 10; v. 237; p. 523.
- Holmes, Clifton R., Montgomery, Mich. Timer. No. 1,250,105; Dec. 11; v. 245; p. 515.
- Holmes, Elbridge R., and S. Davis, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle tension device. No. 1,226,519; May 15; v. 238; p. 917.
- Holmes, Emil L., and E. Johnson, Jamestown, N. Y. Telephone-transmitter. No. 1,235,204; July 31; v. 240; p. 1327.
- Holmes, Frank E. (See Cyphers and Holmes.)
- Holmes, Frank J. (See Palmer and Holmes.)
- Holmes, Henry, Pittsburgh, Pa. Hasp-fastener. No. 1,237,782; Aug. 21; v. 241; p. 795.
- Holmes, Henry S., Brooklyn, N. Y. Electric welding apparatus. No. 1,220,848; Mar. 27; v. 236; p. 1136.
- Holmes, James J., Kansas City, Mo. Silo. No. 1,247,958; Nov. 27; v. 244; p. 929.
- Holmes, James S., assignor to American Piano Company, New York, N. Y. Music-sheet and spool therefor for automatic piano-players. No. 1,245,104; Oct. 30; v. 243; p. 1272.
- Holmes, John E., San Francisco, Cal. Window-wiper. No. 1,234,335; July 24; v. 240; p. 1021.
- Holmes, Joseph E., Cushing, Okla. Process of and apparatus for producing light hydrocarbons. No. 1,241,979; Oct. 2; v. 243; p. 162.
- Holmes, Major E., Lakewood, assignor to National Carbon Company, Cleveland, Ohio. Electric battery. No. 1,216,450; Feb. 20; v. 235; p. 783.
- Holmes, Major E., Lakewood, assignor to National Carbon Company, Cleveland, Ohio. Battery-depolarizer. No. 1,216,451; Feb. 20; v. 235; p. 783.
- Holmes, Major E., Lakewood, assignor to National Carbon Company, Cleveland, Ohio. Battery-depolarizer. No. 1,218,772; Mar. 13; v. 236; p. 345.
- Holmes, Major E., Lakewood, assignor to National Carbon Company, Cleveland, Ohio. Making battery-depolarizers. No. 1,221,991; Apr. 10; v. 237; p. 378.
- Holmes, Mary E. (See Holmes, Arthur L., Jr., assignor.)
- Holmes Motor Corporation. (See Holmes, Roy B., assignor.)
- Holmes, Pehr G. (See Burkland, John O., assignor.)
- Holmes, Robert E. L., Beaver Falls, Pa. Double-acting deep-well pump. No. 1,247,113; Nov. 20; v. 244; p. 652.
- Holmes, Roy B., assignor to Holmes Motor Corporation, Los Angeles, Cal. Motor. No. 1,224,642; May 1; v. 238; p. 187.
- Holmes, Thomas J., Chicago, Ill. Lubricator. No. 1,230,299; June 19; v. 239; p. 730.
- Holmes, William H., Columbus, Ohio. Bed-spring-dividing member. No. 1,230,406; June 19; v. 239; p. 764.
- Holmes, William K., Brooklyn, N. Y. Lead-holder. No. 1,234,666; July 24; v. 240; p. 1127.

Alphabetical list of patentees—Continued.

- Holmgren, August, *et al.* (See Bergren, John A., assignor.)
- Holmgren, Gustaf E., assignor of one-half to H. Freimuth, Duluth, Minn. Blow-torch. No. 1,236,172; Aug. 7; v. 241; p. 207.
- Holmgren, Otto W. G., New York, N. Y. Locking means for motor-vehicle steering-gear. No. 1,249,755; Dec. 11; v. 245; p. 414.
- Holmgren, Per F., Brooklyn, N. Y. Bearing. No. 1,215,374; Feb. 13; v. 235; p. 344.
- Holmgren, Per F., Brooklyn, N. Y. Tool-holder. No. 1,222,102; Apr. 10; v. 237; p. 415.
- Holmgren, Per F., Brooklyn, N. Y. Jig. No. 1,235,031; July 31; v. 240; p. 1275.
- Holmgren, Swan, Van Orin, Ill. Food-container. No. 1,249,756; Dec. 11; v. 245; p. 415.
- Holmgren, Torsten A. F., Trollhättan, and K. A. Lindström, Stocksund, Sweden. Excess-voltage-protecting device for electric lines. No. 1,236,563; Aug. 14; v. 241; p. 365.
- Holmstrand, Per. (See Jern, Emilia, assignor.)
- Holness, Thomas R. (See Hart and Holness.)
- Holophane Glass Company. (See Mygatt, Otis A., assignor.)
- Holscher, Herman H., Wecota, S. D. Device for securing loose material in bulk. No. 1,220,226; Mar. 27; v. 236; p. 918.
- Holsclaw, Charles, assignor to B. F. Avery & Sons, Louisville, Ky. Die. No. 1,249,961; Dec. 11; v. 245; p. 475.
- Holsen, Joseph J., Manitowoc, Wis. Recleaner structure for threshing-machines. No. 1,241,980; Oct. 2; v. 243; p. 162.
- Holsey, Arthur, Chicago, Ill., assignor to International Harvester Corporation. Fertilizer attachment for corn-planters. No. 1,218,773; Mar. 13; v. 236; p. 345.
- Holsomback, Lee N., Dallas, Tex. Post-hole digger. No. 1,213,874; Jan. 30; v. 234; p. 1337.
- Holst, Lodewyk J. R., assignor to A. Brock, Jr., Philadelphia, Pa. Means for determining ground speed. No. 1,224,545; May 1; v. 238; p. 154.
- Holst, Ole M., Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Coil-support. No. 1,217,943; Mar. 6; v. 236; p. 20.
- Holste, Nels M., Brooklyn, N. Y. Button-fastener. No. 1,225,814; May 15; v. 238; p. 680.
- Holstein, Alexander, Philadelphia, Pa. Snap-fastener. No. 1,233,235; July 10; v. 240; p. 592.
- Holt, Benjamin, assignor to The Holt Manufacturing Company, Stockton, Cal. Combined harvester. No. 1,224,114; Apr. 24; v. 237; p. 1188.
- Holt-Christensen Process Company. (See Christensen, Niels C., Jr., assignor.)
- Holt-Christensen Process Company. (See Dern and Holt, assignors.)
- Holt, Edward E., Chicago, Ill. Tire-valve. No. 1,244,330; Oct. 23; v. 243; p. 1000.
- Holt, Eugene. (See Holt, Lafayette, assignor.)
- Holt, Frank A., Rochdale, and G. Kershaw, Whitworth, England. Winding-machine. No. 1,215,025; Feb. 6; v. 235; p. 192.
- Holt, Frederick B., Antrobus, England, assignor to Westinghouse Electric and Manufacturing Company. Knife-blade switch. No. 1,229,750; June 12; v. 239; p. 512.
- Holt, Harold E. S., Farnborough, England. Illuminating device for use on air-craft. No. 1,227,441; May 22; v. 238; p. 1263.
- Holt, Lafayette, assignor of one-half to E. Holt, Burlington, N. C. Tank closure or cover. No. 1,241,735; Oct. 2; v. 243; p. 86.
- Holt, Lee R., Albany, Ga. Cotton-seed delinter. No. 1,247,679; Nov. 27; v. 244; p. 847.
- Holt Manufacturing Company, The. (See Holt, Benjamin, assignor.)
- Holt Manufacturing Company. (See Turnbull, William, assignor.)
- Holt, Mary A., executrix. (See Holt, William.)
- Holt, Theodore P. (See Dern and Holt.)
- Holt, Thomas W. (See Morrison and Holt.)
- Holt, William, deceased, Chicago, Ill.; M. A. Holt, executrix, assignor to The Peerless Moistener Co. Moistener. No. 1,245,342; Nov. 6; v. 244; p. 60.
- Holt, William F., Redlands, Cal. Transportation system. No. 1,212,487; Jan. 16; v. 234; p. 792.
- Holt, William F., Los Angeles, Cal. Transportation system. No. 1,246,921; Nov. 20; v. 244; p. 598.
- Holt, William P., Wilson, Ark. Vending-machine. No. 1,240,717; Sept. 18; v. 242; p. 694.
- Holter, Ben, Whitefish, Mont. Rifle-barrel. No. 1,230,712; June 19; v. 239; p. 867.
- Holtmeyer, John J., Cincinnati, Ohio. Table-cap. No. 1,240,208; Sept. 18; v. 242; p. 538.
- Holton, Edward C. (See Macklind and Holton.)
- Holton, Frank, assignor to Frank Holton & Company, Chicago, Ill. Trombone. No. 1,236,173; Aug. 7; v. 241; p. 207.
- Holton, Henry R., Chicago, Ill. Electrical relay. No. 1,235,978; Aug. 7; v. 241; p. 147.
- Holtschneider, Leo G. S., St. Louis, Mo. Insulated screw-driver. No. 1,225,249; May 8; v. 238; p. 444.
- Holtvoigt, Henry B., assignor to The Ohio Rake Company, Dayton, Ohio. Side-delivery rake. No. 1,240,451; Sept. 18; v. 242; p. 615.
- Holtz, Sylvester C., Shelby, Ohio. Land-roller. No. 1,214,463; Jan. 30; v. 234; p. 1538.
- Holtzclaw, Ambros W. (See Holtzclaw, John S. and A. W.)
- Holtzclaw, John S. and A. W., Stanford, Ky. Hemp-brake. No. 1,215,936; Feb. 13; v. 235; p. 548.
- Holtzclaw, John S. and A. W., Stanford, Ky. Hemp-brake. (Reissue.) No. 1,333; June 26; v. 239; p. 1186.
- Holtzclaw, Sidney, Kansas City, Kans. Pocket cigarette-case. No. 1,233,236; July 10; v. 240; p. 592.
- Holtzer-Cabot Electric Company. (See Kennedy, Carlton L., assignor.)
- Holtzman, John, assignor of one-half to B. Roman, New York, N. Y. Sash-lock. No. 1,221,799; Apr. 3; v. 237; p. 276.
- Holtzhouser, Jacob P., assignor to The Stanley Works, New Britain, Conn. Mop. No. 1,247,959; Nov. 27; v. 244; p. 929.
- Holub-Dusha Company. (See Dusha and Feyk, assignors.)
- Holveck, Joseph E., Pittsburgh, assignor to The Aldrich Pump Company, Allentown, Pa. Crank-shaft. No. 1,223,071; Apr. 17; v. 237; p. 796.
- Holy, George H. F., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Gear-case. No. 1,248,493; Dec. 4; v. 245; p. 19.
- Holyoke Heater Company. (See Gill, Sinclair, and Moakler, assignors.)
- Holyoke Paper Products Company *et al.* (See McCorkindale, William, assignor.)
- Holz, Edward A., *et al.* (See Kottemann, Otto A., assignor.)
- Holz, J. C., *et al.* (See Kottemann, Otto A., assignor.)
- Holzapfel, Albert C., New York, N. Y. Protecting means for ships or vessels. No. 1,233,237; July 10; v. 240; p. 592.
- Holzapfel, Gustav A., Leipzig, Germany. Making the meat of sea mammals fit for food. No. 1,223,790; Apr. 24; v. 237; p. 1079.
- Holzem, Joseph P. and V. J., Elk River, Minn. Storm-window. No. 1,216,121; Feb. 13; v. 235; p. 615.
- Holzem, Vincent J. (See Holzem, Joseph P. and V. J.)
- Holzhauer, Alois, Jr., Wauwatosa, Wis. Snap-switch. No. 1,232,311; July 3; v. 240; p. 259.
- Holzhausen, Richard C. A., New York, N. Y. Mixing-valve. No. 1,231,609; July 3; v. 240; p. 24.
- Holzverkohlungs-Industrie Aktien-Gesellschaft. (See Hochstetter, Heinrich von, assignor.)
- Homan, Roland S., Chino, Cal. Mail-box. No. 1,245,719; Nov. 6; v. 244; p. 175.
- Homans, Thomas S. (See Bertram and Homans.)
- Homans, Thomas S., Hempstead, assignor to Intertype Corporation, New York, N. Y. Mold for line-casting machines. No. 1,225,632; May 8; v. 238; p. 576.
- Homans, Thomas S., Hempstead, assignor to Intertype Corporation, New York, N. Y. Typographical machine. No. 1,225,633; May 8; v. 238; p. 576.
- Homans, Thomas S., Hempstead, assignor to Intertype Corporation, New York, N. Y. Typographical machine. No. 1,237,043; Aug. 14; v. 241; p. 522.
- Homburger, Herman E. (See Barr, Andrew J., assignor.)
- Home Devices Corporation. (See Sauer, Frederick W., assignor.)
- Homeier, Charles H., St. Paul, Minn. Gas-saving device. No. 1,211,583; Jan. 9; v. 234; p. 447.
- Homer, Frank P. (See Lewellen and Homer.)
- Homer, John A., *et al.* (See Smith, Emery H., assignor.)
- Homer, John W., Greencastle, Pa. Insulator-knob. No. 1,218,181; Mar. 6; v. 236; p. 101.
- Hommell, Woldemar, Zurich, Switzerland. Rabbie for mechanical roasting-furnaces. No. 1,220,513; Mar. 27; v. 236; p. 1021.
- Homrighaus, Albert H., Detroit, Mich., assignor to The Lincoln Electric Company, Cleveland, Ohio. Arc-welder. No. 1,238,406; Aug. 28; v. 241; p. 1029.
- Homyer, Nicholas R., Jr., Granite City, Ill. Ticket-holder. No. 1,217,177; Feb. 27; v. 235; p. 1076.
- Hon, William R. (See Liff and Hon.)
- Honaker, William I., Indianapolis, Ind. Wrench. No. 1,248,494; Dec. 4; v. 245; p. 19.
- Honea, Edward C., Alexandria, La. Flange-turner. No. 1,211,155; Jan. 2; v. 234; p. 266.
- Honey, Archie F., assignor of one-third to C. B. Jocks, Crosby, Minn. Program-clock. No. 1,237,517; Aug. 21; v. 241; p. 710.
- Honeyball, William R., Pasadena, Cal. Signal. No. 1,218,864; Mar. 13; v. 236; p. 381.
- Honeywell Heating Specialties Company. (See Honeywell, Mark C., assignor.)
- Honeywell, Mark C., assignor to Honeywell Heating Specialties Company, Wabash, Ind. Safety relief device for low-pressure steam-boilers. No. 1,243,604; Oct. 16; v. 243; p. 743.
- Honohan, William D., Chicago, Ill. Weight-grading machine. No. 1,224,379; May 1; v. 238; p. 95.
- Honold, Gottlob, assignor to Firm of R. Bosch, Stuttgart, Germany. Apparatus for adjusting the period of electrical ignition. No. 1,221,326; Apr. 3; v. 237; p. 115.
- Honold, Gottlob, assignor to Firm of R. Bosch, Stuttgart, Germany. Electrical regulating device. No. 1,221,327; Apr. 3; v. 237; p. 115.
- Honold, Gottlob, assignor to Firm of R. Bosch, Stuttgart, Germany. Signal-horn. No. 1,221,859; Apr. 10; v. 237; p. 330.
- Honold, Gottlob, assignor to the Firm of R. Bosch, Stuttgart, Germany. Electric regulator. No. 1,243,738; Oct. 23; v. 243; p. 821.

- Honold, Gottlob, and H. Conzelmann, assignors to Firm of R. Bosch, Stuttgart, Germany. Electrical regulating device. No. 1,238,145; Aug. 28; v. 241; p. 943.
- Honolulu Iron Works Company. (See Leonard, Albert P., assignor.)
- Hons, James M., and E. W. Aplin, assignors to G. A. Rees, Chicago, Ill. Oil-indicator. No. 1,214,788; Feb. 6; v. 235; p. 106.
- Honsberger, William H., assignor of one-fourth to G. C. Brown, Welland, Ontario, Canada. Electric-lighting apparatus for vehicles. No. 1,234,028; July 17; v. 240; p. 886.
- Hood, Arthur N., *et al.* (See Brownell, William M., assignor.)
- Hood, Ernest K. (See Wolff and Hood.)
- Hood, Frank M. (See Wallace, David T., assignor.)
- Hood, George M., Steele, Ala. Wrench-support. No. 1,217,600; Feb. 27; v. 235; p. 1225.
- Hood, Harry H., Chicago, Ill., assignor to E. F. Herrmann. Can-seaming machine. No. 1,222,955; Apr. 17; v. 237; p. 755.
- Hood, Harry H., Chicago, Ill., assignor to E. F. Herrmann. Can-heading machine. No. 1,249,399; Dec. 11; v. 245; p. 311.
- Hood, Henry, Philadelphia, Pa. Screw-driver. No. 1,244,981; Oct. 30; v. 243; p. 1235.
- Hood, Hubert E., Buffalo, N. Y., assignor, by mesne assignments, to The F. F. Dalley Corporations, Limited, Hamilton, Ontario, Canada. Box. No. 1,214,464; Jan. 30; v. 234; p. 1539.
- Hood, Lemuel L., Wichita Falls, Tex. Crossing-gate. No. 1,240,718; Sept. 18; v. 242; p. 695.
- Hood, Marvin E., O. B. Anderson, W. L. Feters, and J. H. McGlinchey, Chester, and J. E. Gagnon and W. M. Kidder, Philadelphia, Pa., assignors, by mesne assignments, to Hamilton Manufacturing Company, Two Rivers, Wis. Steel furniture construction. No. 1,244,609; Oct. 30; v. 243; p. 1122.
- Hood, Ralph O., Danvers, assignor to Clinton Wire Cloth Company, Boston, Mass. Method of and apparatus for electroplating wire-cloth. No. 1,242,695; Oct. 9; v. 243; p. 431.
- Hood Rubber Co. (See Glidden, Dorman, and Finch, assignors.)
- Hood Rubber Co. (See La Fayette, Theodore E., assignor.)
- Hood, William, Hempstead, N. Y. Block and tackle. No. 1,230,164; June 19; v. 239; p. 685.
- Hood, William C., Chicago, Ill. Electric fan. No. 1,214,163; Jan. 30; v. 234; p. 1436.
- Hooley, George F., Secheit, British Columbia, Canada. Collapsible megaphone. No. 1,211,584; Jan. 9; v. 234; p. 447.
- Hoofnagle, William T., Glen Ridge, N. J., assignor to Electro-Chemical Products Company, New York, N. Y. Refrigerating. No. 1,230,482; June 19; v. 239; p. 790.
- Hoofnagle, William T., Glen Ridge, N. J., assignor to Electro-Chemical Products Company, New York, N. Y. Refrigerating apparatus. No. 1,230,483; June 19; v. 239; p. 791.
- Hoofnagle, William T., Glen Ridge, N. J., assignor to Electro-Chemical Products Company, New York, N. Y. Method and apparatus for treating air. No. 1,243,524; Oct. 16; v. 243; p. 720.
- Hook, John H. (See Bruderer, Joseph F., assignor.)
- Hook, William G., Portsmouth, Va. Time-check board. No. 1,219,102; Mar. 13; v. 236; p. 460.
- Hooker, Duncan C., Farmington, assignor to The Johns-Pratt Company, Hartford, Conn. Fuse-block. No. 1,234,544; July 24; v. 240; p. 1089.
- Hookless Fastener Company. (See Sundback, Gideon, assignor.)
- Hooks, C. F. (See Ely, Maurice M., assignor.)
- Hooper, Edward J., Stoughton, Mass. Rubber heel. No. 1,236,174; Aug. 7; v. 241; p. 207.
- Hooper, Frederick E. (See White and Hooper.)
- Hooper, James P., Baltimore, Md. Gun-sling. No. 1,210,475; Jan. 2; v. 234; p. 33.
- Hooper, John E., Louisville, Ky. Shoe-last. No. 1,233,669; July 17; v. 240; p. 771.
- Hooper, Louis M., Rutherford, N. J. Bath-tub. No. 1,227,140; May 22; v. 238; p. 1168.
- Hooper, Louis M., Rutherford, N. J., assignor to The J. L. Mott Iron Works. Handle mechanism for faucets. No. 1,211,585; Jan. 9; v. 234; p. 447.
- Hooper, Mary, San Diego, Cal. Iron attachment. No. 1,236,302; Aug. 7; v. 241; p. 248.
- Hooper, Richard G., Delaware, Ohio. Game-table. No. 1,221,181; Apr. 3; v. 237; p. 63.
- Hooper, William B., Winifred, Kans. Hay-loader. No. 1,215,375; Feb. 13; v. 235; p. 345.
- Hooper, William H., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for operating on insoles. No. 1,247,836; Nov. 27; v. 244; p. 895.
- Hoopes, Delia E. (See Fritch and Hoopes.)
- Hoopes, William H. (See Fritch and Hoopes, assignors.)
- Hoople, Charles L., Oakland, Cal. Connecting means for fabric strips. No. 1,227,053; May 22; v. 238; p. 1137.
- Hoopman, Oscar W. (See Nichols, Adrian D., assignor.)
- Hoops, Henry H., West Savannah, Ga. Oil-burner. No. 1,233,359; July 17; v. 240; p. 668.
- Hooser, John W., Dallas, Tex. Carbureting system for internal-combustion engines. No. 1,217,448; Feb. 27; v. 235; p. 1170.
- Hoosier Manufacturing Company. (See Weesner and Davis, assignors.)
- Hoover, Benjamin, assignor of one-half to S. B. Rieg, Meridian, Miss. Safety appliance for railway-cars. No. 1,210,803; Jan. 2; v. 234; p. 146.
- Hoover, Charles. (See Boyer, Richard M., assignor.)
- Hoover, Charles P., Columbus, Ohio. Making metal-hydroxid solutions. No. 1,238,916; Sept. 4; v. 242; p. 63.
- Hoover, Clair G., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Apparatus for cementing strands of a cord. No. 1,251,032; Dec. 25; v. 245; p. 831.
- Hoover, Ernest P., Wilton Junction, Iowa. Signal. No. 1,252,549; July 10; v. 240; p. 370.
- Hoover, George W. (See Johnson and Hoover.)
- Hoover, George W. (See Mergen and Hoover.)
- Hoover, Guy S., Colorado Springs, Colo. Window-shade bracket. No. 1,218,774; Mar. 13; v. 236; p. 346.
- Hoover, Herbert W., Bayonne, N. J. Oil-burner. No. 1,218,942; Mar. 13; v. 236; p. 406.
- Hoover, Howard E., Chicago, Ill. Lubricating system. No. 1,227,141; May 22; v. 238; p. 1168.
- Hoover, Howard E., Chicago, Ill., assignor to Hoover Suction Sweeper Company, New Berlin, Ohio. Cleaner. No. 1,227,142; May 22; v. 238; p. 1168.
- Hoover, Howard E., Chicago, Ill., assignor to The Hoover Suction Sweeper Company, New Berlin, Ohio. Suction-sweeper. No. 1,247,837; Nov. 27; v. 244; p. 895.
- Hoover, Jacob, and G. M. Miller, assignors to Slaymaker Lock Manufacturing Corporation, Lancaster, Pa. Key-center for padlocks. No. 1,242,443; Oct. 9; v. 243; p. 349.
- Hoover Spring Co. (See Downing, Edward, assignor.)
- Hoover Suction Sweeper Company, The. (See Case, Francis M., assignor.) (Reissue.)
- Hoover Suction Sweeper Company, The. (See Hoover, Howard E., assignor.)
- Hoover, Thomas A., Fresno, Cal. Automobile-bumper. No. 1,212,059; Jan. 9; v. 234; p. 612.
- Hoover, Thomas A., Fresno, Cal. Automobile-bumper. No. 1,221,800; Apr. 3; v. 237; p. 277.
- Hope, Clarence R., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Car-roof. No. 1,236,303; Aug. 7; v. 241; p. 248.
- Hope, Ernest, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Finishing-machine. No. 1,227,622; May 29; v. 238; p. 1354.
- Hope-Jones, Cecil, administrator. (See Hope-Jones, Robert.)
- Hope-Jones, Robert, deceased, North Tonawanda, N. Y.; C. Hope-Jones, administrator. Shutter for organ swell-boxes. No. 1,230,165; June 19; v. 239; p. 686.
- Hope Machine Company. (See Kinsley, Lewis, assignor.)
- Hope, Robert A. (See Dickey and Hope.)
- Hope, Walter R., Wilmington, Del. Making drawings or pictures. No. 1,240,143; Sept. 11; v. 242; p. 478.
- Hope, William H., Providence, R. I. Pantograph-machine. No. 1,219,310; Mar. 13; v. 236; p. 531.
- Hope, William H., Providence, R. I. Pantograph engraving-machine. No. 1,219,311; Mar. 13; v. 236; p. 531.
- Hopedale Manufacturing Company. (See Draper and Northrop, assignors.)
- Hopedale Manufacturing Company. (See Kennedy, Henry A., assignor.)
- Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)
- Hopes, Charles W., Glens Falls, N. Y. Heater. No. 1,216,122; Feb. 13; v. 235; p. 615.
- Hopewell, Andrew J., Edinburg, Va. Jewel and pivot protector. No. 1,236,175; Aug. 7; v. 241; p. 207.
- Hopewell, Charles F., Newton, Mass. Fabric coating, drying, and solvent-recovery apparatus. No. 1,212,643; Jan. 16; v. 234; p. 849.
- Hopkins, Archibald E., Middletown, N. Y. Lathe attachment. No. 1,246,922; Nov. 20; v. 244; p. 598.
- Hopkins, Arthur C., assignor of one-half to T. R. Bement, Sioux Falls, S. D. Attachment for internal-combustion engines. No. 1,221,536; Apr. 3; v. 237; p. 188.
- Hopkins, Arthur C., assignor to Mid-West Manufacturing Co., Sioux Falls, S. D. Automobile roller-jack. No. 1,242,111; Oct. 2; v. 243; p. 204.
- Hopkins, Charles E., New York, N. Y. Stereotype-casting box. No. 1,221,537; Apr. 3; v. 237; p. 188.
- Hopkins, Charles E., New York, N. Y. Machine for making stereotype-plates. No. 1,240,209; Sept. 18; v. 242; p. 539.
- Hopkins, Charles E., New York, N. Y. Pump-agitator. No. 1,242,938; Oct. 16; v. 243; p. 542.
- Hopkins, Charles E., New York, N. Y. Automatic pump and agitator. No. 1,242,939; Oct. 16; v. 243; p. 543.
- Hopkins, Charles E., Worcester, Mass. Apparatus for finishing curved stereotypes. No. 1,240,850; Sept. 25; v. 242; p. 771.
- Hopkins, Edward L., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Brake for mining-machine trucks. No. 1,218,402; Mar. 6; v. 236; p. 178.
- Hopkins, Edward L., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Anchor jack. No. 1,240,210; Sept. 18; v. 242; p. 539.

Alphabetical list of patentees—Continued.

- Hopkins, Edward L., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining-machine. No. 1,249,400; Dec. 11; v. 245; p. 311.
- Hopkins, Frank F., Seattle, Wash. Refuse-burner. No. 1,220,849; Mar. 27; v. 236; p. 1136.
- Hopkins, Frank H., Brooklyn, N. Y. Shoe-fastening. No. 1,211,315; Jan. 2; v. 234; p. 323.
- Hopkins, Frank H., Montreal, Quebec, Canada. Handle. No. 1,239,184; Sept. 4; v. 242; p. 148.
- Hopkins, Frank H., Westmount, and G. B. Dorey, Montreal, Quebec, Canada. Vehicle-spring. No. 1,210,941; Jan. 2; v. 234; p. 194.
- Hopkins, Frederick, Buffalo, N. Y. Expression-indications for perforated note-sheets for player-pianos and the like. No. 1,226,332; May 15; v. 238; p. 859.
- Hopkins, George W., assignor to The Acetylene Stove Manufacturing Company, Cleveland, Ohio. Burner. No. 1,215,153; Feb. 6; v. 235; p. 233.
- Hopkins, Harvey L., assignor to J. H. McElroy, Chicago, Ill. Pitman-joint for mowing-machines. No. 1,215,806; Feb. 13; v. 235; p. 500.
- Hopkins, Harvey L., assignor of one-half to A. B. Glade, Chicago, Ill. Mowing-machine. No. 1,217,449; Feb. 27; v. 235; p. 1171.
- Hopkins, Harvey L., assignor, by mesne assignments, to L. A. Stillman, Chicago, Ill. Pneumatic massage apparatus. No. 1,217,886; Feb. 27; v. 235; p. 1322.
- Hopkins, John A., Jr., Burns, Kans. Automatic fire alarm and extinguisher. No. 1,212,060; Jan. 9; v. 234; p. 613.
- Hopkins, Luther S., Dubuque, Iowa. Constant-speed driving device. No. 1,241,117; Sept. 25; v. 242; p. 852.
- Hopkins, Marcus C. (See Rosenthal and Hopkins.)
- Hopkins, Ralph Z., Detroit, Mich. Building construction. No. 1,226,214; May 15; v. 238; p. 816.
- Hopkins, Richard M., New York, N. Y., assignor to American District Telegraph Company, Jersey City, N. J. Signaling system. No. 1,215,658; Feb. 13; v. 235; p. 450.
- Hopkins, Richard M., and J. F. D. Hoge, New York, N. Y., assignors to American District Telegraph Company, Jersey City, N. J. Relay. No. 1,246,430; Nov. 13; v. 244; p. 416.
- Hopkins, Richard R., Oskaloosa, Iowa. Coal-oil burner for cook-stoves. No. 1,237,044; Aug. 14; v. 241; p. 522.
- Hopkins, Robert, and A. G. Weldensee, Sheffield, Ala. Card-display device. No. 1,214,732; Feb. 6; v. 235; p. 88.
- Hopkins, Robert E. (See Roberts, Walter V., assignor.)
- Hopkins, Roy S., Washington, D. C. Camera-support. No. 1,247,402; Nov. 20; v. 244; p. 734.
- Hopkinson, Ernest, East Orange, N. J. Tire-carrying rim. No. 1,238,769; Sept. 4; v. 242; p. 15.
- Hopkinson, Ernest, East Orange, N. J. Machine for serving glass. No. 1,249,401; Dec. 11; v. 245; p. 311.
- Hopkinson, Joseph, Dayton, Ohio. Scale. No. 1,248,862; Dec. 4; v. 245; p. 129.
- Hopkinson, Joseph, assignor to The Computing Scale Company, Dayton, Ohio. Last-slice holder. No. 1,223,879; Apr. 24; v. 237; p. 1110.
- Hopkinson, Joseph, and C. H. Maltby, assignors to The Computing Scale Company, Dayton, Ohio. Meat-slicing machine. No. 1,210,476; Jan. 2; v. 234; p. 33.
- Hopp, Emil G., Seattle, Wash. Mail-sorting postmarking, and stamp-canceling device. No. 1,217,092; Feb. 20; v. 235; p. 1001.
- Hoppe, Reinhold, East Oakland, Cal. Spring ankle-supporter. No. 1,236,714; Aug. 14; v. 241; p. 416.
- Hopper, Albert M. and J. O., Pittsburg, Kans. Means for automatically opening mine-doors. No. 1,242,190; Oct. 9; v. 243; p. 269.
- Hopper, James F., G. B. Stephens, and H. F. Young, Sherman, Tex. Cotton-gin. No. 1,234,336; July 24; v. 240; p. 1021.
- Hopper, James O. (See Hopper, Albert M. and J. O.)
- Hopper, William J., Brunswick, Ga. Window-blind. No. 1,242,940; Oct. 16; v. 243; p. 543.
- Hoppes, John J., assignor to The Hoppes Manufacturing Company, Springfield, Ohio. Device for measuring the flow of liquids. No. 1,215,533; Feb. 13; v. 235; p. 402.
- Hoppes, John J., assignor to The Hoppes Manufacturing Company, Springfield, Ohio. Weir-tank. No. 1,239,601; Sept. 11; v. 242; p. 309.
- Hoppes Manufacturing Company, The. (See Hoppes, John J., assignor.)
- Hoppock, Alfred G. (See Greenstreet and Moulder, assignors.)
- Hopson, William R., Bridgeport, Conn. Resilient vehicle-wheel. No. 1,221,053; Apr. 3; v. 237; p. 17.
- Hopson, William R., Bridgeport, Conn. Vehicle-wheel. No. 1,249,627; Dec. 11; v. 245; p. 376.
- Hopton, Stanley D. (See Pelton and Hopton.)
- Hopwood, Ernest P., Portland, Oreg. Combination cup-board and table. No. 1,225,958; May 15; v. 238; p. 728.
- Hopwood, John M., Pittsburgh, Pa. Fluid-pressure nozzle. No. 1,238,672; Aug. 28; v. 241; p. 1113.
- Horak, Frank, Kulm, N. D. Draft attachment. No. 1,217,178; Feb. 27; v. 235; p. 1077.
- Horák, Jaroslav, Altstadt, Austria, assignor to Burke & James, Inc., Chicago, Ill. Apparatus for retouching negatives. No. 1,231,740; July 3; v. 240; p. 70.
- Horan, Arthur J., Detroit, and J. H. Gray, Highland Park, Mich. Metal wheel-block. No. 1,228,438; June 5; v. 239; p. 22.
- Horan, Timothy F., Ilion, N. Y. Firearm. No. 1,242,191; Oct. 9; v. 243; p. 270.
- Hord, Carey W. (See Daniel and Hord.)
- Horikawa, Kornakichi, Seattle, Wash. Sash-fastener. No. 1,239,105; Sept. 4; v. 242; p. 124.
- Horinko, Leonard. (See Weber and Horinko.)
- Horman, Herman, Arnold Mills, R. I. Plowing-machine. No. 1,212,772; Jan. 16; v. 234; p. 895.
- Hornel, Elwood P., Surprise, Nebr. Shoe-closure. No. 1,249,092; Dec. 4; v. 245; p. 192.
- Hormes, William T., Govans, assignor to S. Himmel, Baltimore, Md. Display-rack. No. 1,213,646; Jan. 23; v. 234; p. 1230.
- Horn, Charles, Millbourne, Pa., assignor, by mesne assignments, to Harvey Hubbell, Inc., Bridgeport, Conn. Indicating electric connector. No. 1,229,460; June 12; v. 239; p. 415.
- Horn, Charles W., Chicago, Ill. Keyless lock. No. 1,229,269; June 12; v. 239; p. 350.
- Horn, George P., Lansdowne, Pa. Means for removing carbon from explosive-engine cylinders. No. 1,240,977; Sept. 25; v. 242; p. 810.
- Horn, Harold J., Trenton, N. J., assignor to John A. Roebeling's Sons Company. Terminal for wire and wire rope. No. 1,249,093; Dec. 4; v. 245; p. 192.
- Horn, Manford, Appleton, Minn. Tag. No. 1,236,436; Aug. 14; v. 241; p. 323.
- Horn, William W., Chicago, Ill. Builder's scaffolding. No. 1,211,446; Jan. 9; v. 234; p. 401.
- Hornbeck, Walter. (See Harvey, Hornbeck, and Bisinger.)
- Hornburg, Charles A., Devine, Tex. Retaining-ring. No. 1,218,865; Mar. 13; v. 236; p. 381.
- Horne, Archibald B., assignor to A. G. Spalding & Bros., Mfg. Co., Chicopee, Mass. Means for uniting frame parts together. No. 1,232,447; July 3; v. 240; p. 301.
- Horne, Frederick E., Jr., Pittsfield, Mass. Internal-combustion engine. No. 1,219,639; Mar. 20; v. 236; p. 676.
- Horne, Henry M., assignor of fifty one-hundredths to J. C. Buford, Sulphur Springs, Tex. Vehicle-tire. No. 1,240,793; Sept. 18; v. 242; p. 719.
- Horne, James. (See Dawson and Horne.)
- Horne, Lawrence W., and W. N. Crane, New York, N. Y. Electrically-operated speed-controlling device for trains. No. 1,212,224; Jan. 16; v. 234; p. 698.
- Horne, Lawrence W., Brooklyn, and W. N. Crane, New York, N. Y. Train speed-control and stopping device. No. 1,213,198; Jan. 23; v. 234; p. 1074.
- Horner, Leon H., assignor to The Whitin Machine Works, Whitinsville, Mass. Spinning and twisting machine. No. 1,230,300; June 19; v. 239; p. 731.
- Horney, Odus C. (See Jackson, Louis L., assignor.)
- Horniachek, George, Rouleau, Saskatchewan, Canada. Motor-sleigh. No. 1,232,802; July 10; v. 240; p. 453.
- Horniachek, George, Rouleau, Saskatchewan, Canada. Elevated traction device for automobiles. No. 1,251,033; Dec. 25; v. 245; p. 881.
- Hornig, Frederick R., Milwaukee, Wis. Carpenter's computing-scale. No. 1,235,801; Aug. 7; v. 241; p. 89.
- Horning, David F. (See Riegel and Horning.)
- Horning, Harry L., assignor to Waukesha Motor Co., Waukesha, Wis. Oiling system for internal-combustion motors. No. 1,213,875; Jan. 30; v. 234; p. 1338.
- Horning, Walter D., Milwaukee, Wis. Concrete-mold. No. 1,233,878; July 17; v. 240; p. 838.
- Hornsby, Harry H., Chicago, Ill. Fluid-pressure system. No. 1,220,336; Mar. 27; v. 236; p. 959.
- Hornsey, John W., Summit, N. J., assignor to General Reduction Gas and By-Products Company. Treating materials. No. 1,214,164; Jan. 30; v. 234; p. 1436.
- Hornsey, John W., Summit, N. J., assignor to General Reduction Gas and By-Products Company. Check-ring for rotary vessels. No. 1,233,879; July 17; v. 240; p. 838.
- Hornthal, Sarah, New York, N. Y. Ladder. No. 1,220,337; Mar. 27; v. 236; p. 959.
- Hornyak, John. (See Kelly and Hornyak.)
- Horras, William W., et al. (See Morse, George O., assignor.)
- Horrigan, Thomas F., Brighton, Mass. Paper-baling press. No. 1,246,923; Nov. 20; v. 244; p. 598.
- Horsley, David, Bayonne, N. J. Automatic light-controlled film-printing apparatus. No. 1,227,623; May 29; v. 238; p. 1355.
- Horsley, Joseph B., Cincinnati, Ohio. Coffee-pot. No. 1,217,179; Feb. 27; v. 235; p. 1077.
- Horst, Ira C., Columbiana, Ohio. Rotary weeder. No. 1,244,982; Oct. 30; v. 243; p. 1235.
- Horstman, Horace G., Cincinnati, Ohio. Spring-wheel. No. 1,246,431; Nov. 13; v. 244; p. 416.
- Hortensine, Henry, Gays, Ill. Protector for pneumatic tires. No. 1,247,534; Nov. 20; v. 244; p. 772.
- Horton, Albert J., White Plains, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,227,789; May 29; v. 238; p. 1412.
- Horton, Albert J., White Plains, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Control-panel. No. 1,227,790; May 29; v. 238; p. 1412.
- Horton, Albert J., White Plains, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,237,518; Aug. 21; v. 241; p. 710.

- Horton, Allen A., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,229,461; June 12; v. 239; p. 415.
- Horton, Allen A., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,243,839; Oct. 23; v. 243; p. 853.
- Horton, Augustus S. (See Fort and Horton.)
- Horton, Bryson D. (See Blumberg and Horton.)
- Horton, Bryson D., Detroit, Mich. Electrical switch. No. 1,230,407; June 19; v. 239; p. 765.
- Horton Company, The. (See Scott, George W., assignor.)
- Horton, Fred E., et al. (See Lind, James A., assignor.)
- Horton, George T., Chicago, Ill. Water-tank. No. 1,248,121; Nov. 27; v. 244; p. 973.
- Horton, John T., Brooklyn, N. Y. Winding-drum. No. 1,245,231; Nov. 6; v. 244; p. 28.
- Horton Manufacturing Company. (See Peters, Arthur H., assignor.)
- Horton, Merton T. (See Osborne and Horton.)
- Horton, William H., Ferndale, N. Y. Spike. No. 1,223,051; Apr. 17; v. 237; p. 789.
- Horvath, Geza, Detroit, Mich. Pump. No. 1,240,211; Sept. 18; v. 242; p. 540.
- Horvath, Geza, Detroit, Mich. Sheet-metal-working machine. No. 1,240,212; Sept. 18; v. 242; p. 540.
- Horvath, Stephen, Highland Park, Mich. Drill-sharpener. No. 1,231,258; June 26; v. 239; p. 1090.
- Horvitz, David, Detroit, Mich. Game apparatus. No. 1,215,154; Feb. 6; v. 235; p. 234.
- Horwitz, Barnett I., Denver, Colo. Making cigar-tips. No. 1,226,074; May 15; v. 238; p. 769.
- Horwitz, Ray, Cleveland, Ohio. Maternity-dress. No. 1,238,917; Sept. 4; v. 242; p. 63.
- Hosch, Matthias J., Randolph, Nebr. Hog-trough. No. 1,251,374; Dec. 25; v. 245; p. 981.
- Hosch, Walter E., St. Louis, Mo. Combined yard-stick and computing device. No. 1,214,789; Feb. 6; v. 235; p. 106.
- Hosch, Walter E., St. Louis, Mo. Differential winding and measuring machine. No. 1,228,022; May 29; v. 238; p. 1492.
- Hosch, Walter E., St. Louis, Mo. Traction-wheel. (Re-issue.) No. 1,434,0; Aug. 7; v. 241; p. 272.
- Hosch, Walter E., St. Louis, Mo. Ribbon measuring, cost-computing, and winding machine. No. 1,242,192; Oct. 9; v. 243; p. 270.
- Hoschke, Frederick A., Springfield, Mass. Musical toy. No. 1,247,680; Nov. 27; v. 244; p. 847.
- Hose, Walter R., New Ulm, Minn. Air-valve. No. 1,226,664; May 22; v. 238; p. 1003.
- Hoseck, Johan C., 's-Gravenhage, Netherlands. Collapsible boat. No. 1,240,978; Sept. 25; v. 242; p. 810.
- Hossey, William, and W. Webb, Corning, Ark. Cheese-cutting apparatus. No. 1,233,360; July 17; v. 240; p. 668.
- Hosford, Charles M., Brooklyn, N. Y. Automobile-signal. No. 1,215,155; Feb. 6; v. 235; p. 234.
- Hosford, William B., assignor to Dodge Manufacturing Company, Mishawaka, Ind. Flexible coupling. No. 1,214,307; Jan. 30; v. 234; p. 1488.
- Hosford, William F., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric soldering-iron. No. 1,248,122; Nov. 27; v. 244; p. 974.
- Hoshel, William F., assignor to Sheffield Car Company, Three Rivers, Mich. Internal-combustion engine. No. 1,239,488; Sept. 11; v. 242; p. 273.
- Hoshino, Yoshisaburo, Denver, Colo. Lunch-kit. No. 1,240,144; Sept. 11; v. 242; p. 478.
- Hosken, Robert J., Chicago, Ill. Structural toy. No. 1,213,374; Jan. 23; v. 234; p. 1137.
- Hosking, Joseph E., Butte, Mont. Candle-extinguisher. No. 1,211,156; Jan. 2; v. 234; p. 266.
- Hosking, Richard T., Saginaw, Mich. Device for controlling the speed of disk records. No. 1,238,918; Sept. 4; v. 242; p. 63.
- Hosking, Richard T., Saginaw, Mich. Seal. No. 1,240,719; Sept. 18; v. 242; p. 695.
- Hosking, Richard T., Saginaw, Mich., assignor, by mesne assignments, to American Banking Machine Corporation. Coin-stacker and vending-machine. No. 1,234,029; July 17; v. 240; p. 886.
- Hoskins, Charles A., and J. L. Metier, Drakes Creek, Ark. Tire-shield. No. 1,245,232; Nov. 6; v. 244; p. 28.
- Hoskins, George J., Burwood, New South Wales, Australia. Coordinated spherical radial gear adapted to transmit rotary motion in the same axial line or at an angle. No. 1,241,118; Sept. 25; v. 242; p. 852.
- Hoskins, Laban A., assignor to E. T. Earl, Los Angeles, Cal. Locking means for printing-types. No. 1,225,712; May 8; v. 238; p. 602.
- Hoskins Manufacturing Company. (See Marsh, Albert L., assignor.)
- Hoskins, William, Chicago, Ill. Separating suspended pulp. No. 1,226,333; May 15; v. 238; p. 860.
- Hoskyns, William J., Detroit, Mich., assignor to F. E. Smith, Indianapolis, Ind. Vehicle-top. No. 1,230,580; June 19; v. 239; p. 825.
- Hoskyns, William J., Detroit, Mich., assignor to F. E. Smith, Indianapolis, Ind. Latch-operating mechanism for automobile-doors. No. 1,233,880; July 17; v. 240; p. 839.
- Hostetler, Alvin E., and W. E. Richards, Hutchinson, Kans. One-piece garment. No. 1,238,770; Sept. 4; v. 242; p. 15.
- Hotaling, George P., executor. (See Knieriem, Edward A.)
- Hotaling, Leland. (See Hilfrank, John W., assignor.)
- Hotchkiss, Paul M., Chicago, Ill. Reflector. No. 1,225,032; May 8; v. 238; p. 373.
- Hotchkiss, Paul M., Chicago, Ill. Reflector-support. No. 1,236,373; Aug. 7; v. 241; p. 267.
- Hotchkiss, Paul M., Chicago, Ill. Floodlight-projector. No. 1,240,452; Sept. 18; v. 242; p. 615.
- Hotchkiss, Andrew T., New Haven, Conn. Blind-buffer. No. 1,239,393; Sept. 4; v. 242; p. 215.
- Hotchkiss, Clarence F., Binghamton, N. Y. Flexible shaft. No. 1,228,439; June 5; v. 239; p. 22.
- Hotchkiss, Edward D., Syracuse, assignor of one-third to S. S. Wiltzie, Utica, and one-third to G. L. Makepeace, Whitesboro, N. Y. Safety-envelop. No. 1,233,780; July 17; v. 240; p. 805.
- Hotchkiss, Edward W., New York, N. Y. Strainer-plate. No. 1,233,272; July 10; v. 240; p. 603.
- Hotchkiss, William R., St. Paul, Minn. Removable book-cover. No. 1,221,737; Apr. 3; v. 237; p. 254.
- Hotchner, Fred, assignor to S. Hotchner, San Francisco, Cal. Flasher. No. 1,245,105; Oct. 30; v. 243; p. 1272.
- Hotchner, Sydney. (See Hotchner, Fred, assignor.)
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Bung-seal. No. 1,227,143; May 22; v. 238; p. 1169.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. No. 1,236,437; Aug. 14; v. 241; p. 323.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Self-opening can. No. 1,244,610; Oct. 30; v. 243; p. 1123.
- Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Powder-box. No. 1,246,924; Nov. 20; v. 244; p. 599.
- Hothersall, John M., Brooklyn, N. Y., assignor to American Can Company, New York, N. Y. Container-front. No. 1,251,034; Dec. 25; v. 245; p. 882.
- Hotpoint Electric Heating Company. (See Laraway and Falkenberg, assignors.)
- Hotpoint Electric Heating Company. (See Rankin and Laraway, assignors.)
- Hotte, Arthur H. (See Nasief, Benjamin J., assignor.)
- Hottmann, Charles W., Philadelphia, Pa. Cutting-machine. No. 1,237,907; Aug. 21; v. 241; p. 833.
- Hotz, Henry P., et al. (See Good and Tandy, assignors.)
- Houck, Ralph M. (See Schoenman and Houck.)
- Houff, Jacob M., Madison, Va., assignor to P. L. Hargett, Frederick, Md. Silo-bracing. No. 1,220,227; Mar. 27; v. 236; p. 918.
- Houff, Jacob M., Madison, Va., assignor of one-half to P. L. Hargett, Frederick, Md. Cable-joint. No. 1,251,375; Dec. 25; v. 245; p. 982.
- Hougas, Willie E., and L. J. Midgorden, Lamoni, Iowa. Auxiliary radius-rod. No. 1,230,713; June 19; v. 239; p. 867.
- Houge, Arnold E., Badger, Iowa. Straining device for eaves-spoutings. No. 1,231,356; June 26; v. 239; p. 1122.
- Hough, Azel C., Janesville, Wis. Shade and making the same. No. 1,233,781; July 17; v. 240; p. 806.
- Hough, Azel C., assignor to Hough Shade Corporation, Janesville, Wis. Screen, shade, and the like. No. 1,218,556; Mar. 6; v. 236; p. 230.
- Hough, Azel C., assignor to Hough Shade Corporation, Janesville, Wis. Mechanism for weaving slat-blinds. No. 1,225,815; May 15; v. 238; p. 680.
- Hough, Azel C., assignor to Hough Shade Corporation, Janesville, Wis. Screen, shade, and the like. No. 1,238,064; Aug. 21; v. 241; p. 883.
- Hough, Azel C., assignor to Hough Shade Corporation, Janesville, Wis. Ventilating-screen. No. 1,247,599; Nov. 20; v. 244; p. 790.
- Hough, Edward S., Oakland, Cal. Wooden boat. No. 1,228,922; June 5; v. 239; p. 185.
- Hough, Edwin R., and L. Harrison, London, England. Electric-light fitting or bracket. No. 1,211,847; Jan. 9; v. 234; p. 539.
- Hough, Samuel, Atco, assignor of one-third to J. Layer, Berlin, and one-third to C. J. Glaser, Camden, N. J. Ball-bearing handle for milk-cans and similar containers. No. 1,223,880; Apr. 24; v. 237; p. 1110.
- Hough Shade Corporation. (See Hough, Azel C., assignor.)
- Hough, Thomas C., Minneapolis, Minn. Automobile-heater. No. 1,214,921; Feb. 6; v. 235; p. 154.
- Hough, William B., Chicago, Ill., assignor, by mesne assignments, to Patented Devices Company, Portland, Me. Combination tie and gage member for reinforced-concrete floor construction. No. 1,214,790; Feb. 6; v. 235; p. 106.
- Hough, William S., Jr. (See Wiley and Hough.)
- Hough, William S., Jr., St. Catharines, Ontario, Canada. Method of and means for forming glass articles. No. 1,236,937; Aug. 14; v. 241; p. 487.
- Hough, William S., Jr., St. Catharines, Ontario, Canada. Method of and means for forming glass articles. No. 1,236,938; Aug. 14; v. 241; p. 487.
- Houghton, Carl R., assignor to Connorsville Blower Company, Connorsville, Ind. Dust-separator. No. 1,232,464; July 3; v. 240; p. 306.
- Houghton, Frederic D., Worcester, Mass. Spraying device. No. 1,225,713; May 8; v. 238; p. 602.

Alphabetical list of patentees—Continued.

- Houghton, Frederic D., Worcester, Mass. Soluble cake for insecticidal and fungicidal purposes and composition therefor. No. 1,231,741; July 3; v. 240; p. 70.
- Houghton, Guildford G., New York, N. Y. Corner-shelf for display-windows. No. 1,222,762; Apr. 17; v. 237; p. 690.
- Houghton, Harry A., Seville, Ohio. Boat-raising device. No. 1,240,453; Sept. 18; v. 242; p. 616.
- Houghton, Horatio G., Green Bay, Wis. Humidifier. No. 1,233,474; July 17; v. 240; p. 708.
- Houghton, Lewis T., Worcester, Mass. Top-roll-saddle mechanism. No. 1,218,658; Mar. 13; v. 236; p. 304.
- Houghton, Lewis T., Worcester, Mass. Top-roll-saddle mechanism. No. 1,218,659; Mar. 13; v. 236; p. 304.
- Houghton, Lewis T., Worcester, Mass. Top-roll-saddle mechanism. No. 1,218,660; Mar. 13; v. 236; p. 304.
- Houghton, Lewis T., Worcester, Mass. Top-roll-saddle mechanism. No. 1,238,673; Aug. 28; v. 241; p. 1113.
- Houghton, Orley C., assignor to Bullock Tractor Company, Chicago, Ill. Traction-engine. No. 1,229,462; June 12; v. 239; p. 415.
- Houghton, Ralph E., and M. J. Hanlon, Cliftondale, Mass. Illuminating device for electric fixtures. No. 1,227,144; May 22; v. 238; p. 1169.
- Houghton, Stephen C., Pacific Grove, Cal. Adjustable T-square. No. 1,230,901; June 26; v. 239; p. 968.
- Houghland, Albert C., Madison, Wis. Milking-machine. No. 1,245,106; Oct. 30; v. 243; p. 1272.
- Houlahan, Jerry J. (See Beck, Houlahan, and Weible.)
- Houren, Michael G., Chicago, Ill. Window. No. 1,237,045; Aug. 14; v. 241; p. 523.
- House, Albert R., Pearson, Ga. Protector. No. 1,243,939; Oct. 23; v. 243; p. 883.
- House, Charles E., Eustis, Nebr. Dirigible automobile-headlight. No. 1,226,665; May 22; v. 238; p. 1004.
- House, Daniel W., Moberg, S. D. Legging. No. 1,241,217; Sept. 25; v. 242; p. 884.
- House, Edward D. (See Fox and House.)
- House, George R., Kansas City, Mo. Hernial truss. No. 1,222,763; Apr. 17; v. 237; p. 690.
- House, George V., Mount Vernon, N. Y. Perpetual calendar. No. 1,250,882; Dec. 18; v. 245; p. 786.
- House, Henry A., Bridgeport, Conn. Paper receptacle. No. 1,229,751; June 12; v. 239; p. 512.
- House, Henry A., Bridgeport, Conn. Paper receptacle. No. 1,230,090; June 12; v. 239; p. 623.
- House, Herbert E., Los Angeles, Cal., assignor to J. H. Safford, New York, N. Y. Automatic alarm. No. 1,242,349; Oct. 9; v. 243; p. 320.
- House, Thomas M., Richmond, assignor to Seward Trunk and Bag Company, Petersburg, Va. Lock for wardrobe-trunks. No. 1,251,231; Dec. 25; v. 245; p. 939.
- House, Zachariah E., assignor of one-half to I. C. Curtis, Cass Lake, Minn. Autographic attachment for cameras. No. 1,238,674; Aug. 28; v. 241; p. 1113.
- Houseman, Harry A., assignor to Standard Machine Company, Philadelphia, Pa. Clutch-shifting mechanism for circular-knitting machines. No. 1,213,199; Jan. 23; v. 234; p. 1074.
- Houser, Harry. (See Rubottom, Charles E., assignor.)
- Houser, Lawrence L., Mishawaka, Ind. Cuff-button. No. 1,228,212; May 29; v. 238; p. 1553.
- Houser, Walter K., Spotswood, Va. Wire-stretcher. No. 1,243,940; Oct. 23; v. 243; p. 883.
- Housholder, William C., Youngwood, Pa. Temperature regulating and indicating device. No. 1,217,601; Feb. 27; v. 235; p. 1225.
- Housteau, Grant L., Youngstown, Ohio. Window-screen. No. 1,232,803; July 10; v. 240; p. 453.
- Houston, Eric E., Asbury Park, N. J. Cover for garbage-receptacles. No. 1,233,361; July 17; v. 240; p. 668.
- Houston, Herman M. (See Stanwood and Houston.)
- Houston, Joseph F., Philadelphia, Pa. Process of and apparatus for waxing thread. No. 1,230,714; June 19; v. 239; p. 868.
- Houston, Stanwood & Gamble Company, The. (See Stanwood and Houston, assignors.)
- Houston, Thomas H. (See Upchurch and Houston.)
- Houston, William J., et al. (See Miller, William G., assignor.)
- Houts, Leonard, Veedersburg, Ind. Boiler-manhead. No. 1,243,178; Oct. 16; v. 243; p. 616.
- Houze, Leon J., Point Marion, Pa. Lantern-lens. No. 1,211,447; Jan. 9; v. 234; p. 401.
- Hoven, Carl J., New York, N. Y. Skate. No. 1,217,450; Feb. 27; v. 235; p. 1171.
- Hover, Albert H., assignor to E. Olson, Chicago, Ill. Shade-fixture. No. 1,212,354; Jan. 16; v. 234; p. 746.
- Hover, Charles F., Conrad, Mont. Sickle-bar. No. 1,240,720; Sept. 18; v. 242; p. 696.
- Hover, Charles F., Conrad, Mont. Magnetically-self-controlled torpedo. No. 1,250,178; Dec. 18; v. 245; p. 577.
- Hoyer, Cyrus A., Port Huron, assignor to J. H. Whetstone, Lapeer, Mich. Automobile-jack. No. 1,249,757; Dec. 11; v. 245; p. 415.
- Hovey, Julia M., Chicago, Ill. Washboard-clamp. No. 1,249,402; Dec. 11; v. 245; p. 312.
- Hovey, Mark H. (See Julian, Hovey, and Clark.)
- Hovey, Otis E., New York, N. Y., and C. W. Chase, Gary, Ind. Turntable. No. 1,246,432; Nov. 13; v. 244; p. 417.
- Hovhannesian, Kricor, Middletown, Conn., assignor of one-half to H. Pilikian. Combination-tool. No. 1,239,394; Sept. 4; v. 242; p. 215.
- Hovis, Christopher C., San Luis Obispo, Cal. Animal-trap. No. 1,213,876; Jan. 30; v. 234; p. 1338.
- Hovis, Park S., assignor of forty-five one-hundredths to C. Curry, Wooster, Ohio. Temper-screw clamp. No. 1,243,065; Oct. 16; v. 243; p. 584.
- Howard, Arthur W. (See Harris and Howard.)
- Howard, Byron E. (See Dubois, Henry J., assignor.)
- Howard, Charles E. (See Hughes and Howard.)
- Howard, Charles H., Saugus, assignor of one-half to P. T. Jackson, Jr., Cambridge, Mass. Paper-reinforcing machine. No. 1,211,848; Jan. 9; v. 234; p. 539.
- Howard, Charles H., Saugus, assignor of one-half to P. T. Jackson, Jr., Cambridge, Mass. Paper-reinforcing machine. No. 1,211,849; Jan. 9; v. 234; p. 540.
- Howard, Charles H., Saugus, assignor of one-half to P. T. Jackson, Jr., Cambridge, Mass. Paper-reinforcing machine. No. 1,211,850; Jan. 9; v. 234; p. 540.
- Howard, Charles H., Saugus, assignor of one-half to P. T. Jackson, Jr., Cambridge, Mass. Paper-reinforcing machine. No. 1,211,851; Jan. 9; v. 234; p. 541.
- Howard, Charles H., Saugus, assignor of one-half to P. T. Jackson, Jr., Cambridge, Mass. Paper-reinforcing machine. No. 1,211,852; Jan. 9; v. 234; p. 541.
- Howard, Charles N. (See Martin, Charles L., assignor.)
- Howard, Donald B., Des Moines, Iowa. Furnace-lining. No. 1,233,782; July 17; v. 240; p. 806.
- Howard, Donald B., Des Moines, Iowa. Furnace. No. 1,233,783; July 17; v. 240; p. 806.
- Howard, Earl G., and R. Altman, Rush, Colo. Bean and pea harvester. No. 1,212,061; Jan. 9; v. 234; p. 613.
- Howard, Ernest E. (See Harrington, Howard, and Ash.)
- Howard, Frank A., Chicago, assignor of one-half to R. Wiles, Riverside, Ill. Condenser for automobile-radiators. No. 1,234,030; July 17; v. 240; p. 886.
- Howard, Frank H., Reading, Pa. Chain-stretching machine. No. 1,249,628; Dec. 11; v. 245; p. 377.
- Howard, Frank L., Fuqua, Tex. Gate-latch. No. 1,215,376; Feb. 13; v. 235; p. 345.
- Howard, Frank W. (See Cannon and Howard.)
- Howard, Frank W., New York, N. Y. Umbrella. No. 1,219,640; Mar. 20; v. 236; p. 676.
- Howard, Frank W., New York, N. Y. Waterproof cloak. No. 1,229,270; June 12; v. 239; p. 350.
- Howard, Frank W., New York, N. Y. Umbrella. No. 1,229,271; June 12; v. 239; p. 351.
- Howard, Frank W., New York, N. Y. Automobile-wheel. No. 1,247,681; Nov. 27; v. 244; p. 848.
- Howard, George D., assignor of one-third to P. A. Wallenborn and one-third to G. R. Collins, Salisbury, N. C. Bearing. No. 1,232,312; July 3; v. 240; p. 259.
- Howard, George E., assignor to Howard Glass Feeder Company, Butler, Pa. Gathering molten glass. No. 1,231,610; July 3; v. 240; p. 24.
- Howard, George F., assignor of one-half to A. O. Duncan, New York, N. Y. War-puzzle. No. 1,243,411; Oct. 16; v. 243; p. 685.
- Howard Glass Feeder Company. (See Howard, George E., assignor.)
- Howard, Harold M. (See McHardy and Howard.)
- Howard, Henry, Brookline, Mass. Making phenols. No. 1,245,343; Nov. 6; v. 244; p. 60.
- Howard, Henry F., Chattanooga, Tenn., assignor to Southern Well Works Company, Beaumont, Tex. Hoisting-drum. No. 1,231,611; July 3; v. 240; p. 24.
- Howard, Hubert, et al. (See Thornton, Charles W., assignor.)
- Howard, Jack H., Taylor, Ariz. Horse shoe and boot. No. 1,232,684; July 10; v. 240; p. 413.
- Howard, Joe E., assignor of one-half to I. G. Seymour, Seattle, Wash. Butter-cutter. No. 1,219,738; Mar. 20; v. 236; p. 710.
- Howard, Lewis F., West, assignor of one-half to C. F. Nofus, Cedar Hill, Tex. Jogger attachment for platen printing-presses. No. 1,235,477; July 31; v. 240; p. 1407.
- Howard, Monroe S., Waukon, Iowa. Automatic expression control for player-pianos. No. 1,229,083; June 5; v. 239; p. 237.
- Howard, Nelson F., Fairfield township, Tippecanoe county, Ind. Fence-tightening post. No. 1,213,768; Jan. 23; v. 234; p. 1270.
- Howard, Otis W., assignor to Deere and Company, Moline, Ill. Sulky-plow. No. 1,221,992; Apr. 10; v. 237; p. 378.
- Howard, Pliny J., assignor to The National Malleable Castings Company, Cleveland, Ohio. Journal-box-securing mechanism. No. 1,229,617; June 12; v. 239; p. 469.
- Howard, Quinton S., Lorenzo, Tex. Cultivator. No. 1,241,382; Sept. 25; v. 242; p. 937.
- Howard, Richard B., Golconda, Nev. Cattle-car-loading device. No. 1,247,114; Nov. 20; v. 244; p. 653.
- Howard, Thomas A. (See Taylor, Ellis, assignor.)
- Howard, Thomas A., Murray, Utah. Fish-screen. No. 1,243,525; Oct. 16; v. 243; p. 721.
- Howard, William B., Brooklyn, N. Y. Automatically-timed asphalt-tester. No. 1,225,438; May 8; v. 238; p. 511.
- Howard, William H., Port Chester, and B. E. Taylor, Mount Vernon, N. Y. Mixing device for beverages. No. 1,249,403; Dec. 11; v. 245; p. 312.
- Howard, William S., Belleville, assignor, by mesne assignments, to R. M. Everett, Bloomfield, N. J. Internal-combustion engine. No. 1,214,922; Feb. 6; v. 235; p. 154.

- Howard, William S., Hazlehurst, Miss. Commode. No. 1,234,476; July 24; v. 240; p. 1068.
- Howarth, John M., Wausau, Wis. Machine and process for pulling candy. No. 1,214,465; Jan. 30; v. 234; p. 1539.
- Howd, Alvah J., assignor of fifty-one one-hundredths to E. H. Dewey, Nampa, Idaho. Toilet attachment. No. 1,214,165; Jan. 30; v. 234; p. 1437.
- Howd, Alvah J., assignor of seventy one-hundredths to E. H. Dewey and five one-hundredths to L. E. McDermott, Nampa, Idaho. Rotary engine. No. 1,229,179; June 5; v. 239; p. 271.
- Howd, Alvah J., Nampa, Idaho. Convertible freight-car. No. 1,230,484; June 19; v. 239; p. 791.
- Howd, Charles B., Chicago, Ill. Lacing-fly for corsets. No. 1,222,103; Apr. 10; v. 237; p. 416.
- Howden, Fred W., Kansas City, Mo. Drip-pan controller. No. 1,222,764; Apr. 17; v. 237; p. 690.
- Howden, Henry. (See Teichart, Ernst G., assignor.)
- Howden, Robert, Oakland, Cal. Combined dome-damper and chimney-throat. No. 1,238,017; Aug. 21; v. 241; p. 868.
- Howden, William N., San Diego, Cal. assignor to The Auto Gas Register Company, Waterbury, Conn. Register. No. 1,245,344; Nov. 6; v. 244; p. 60.
- Howe, Andrew F., Granite City, Ill., assignor to Commonwealth Steel Company, St. Louis, Mo. Sand-mill. No. 1,218,403; Mar. 6; v. 236; p. 179.
- Howe, Charles M. (See Howe, Lee and C. M.)
- Howe, Eugene L. (See Howe and Teetor.)
- Howe, Fred C., New Haven, Conn. Swinging toy. No. 1,217,309; Feb. 27; v. 235; p. 1120.
- Howe, Fred C., New Haven, Conn. Automobile-goggles. No. 1,239,691; Sept. 11; v. 242; p. 339.
- Howe, Fred C., New Haven, Conn. Acrobatic toy swing. No. 1,247,115; Nov. 20; v. 244; p. 653.
- Howe, Fred C., New Haven, Conn. Fan. No. 1,247,838; Nov. 27; v. 244; p. 895.
- Howe, Frederick, Adrian, Mich. Carbureter. No. 1,237,519; Aug. 21; v. 241; p. 711.
- Howe, George E., Salt Lake City, Utah. Weeding-machine. No. 1,216,123; Feb. 13; v. 235; p. 616.
- Howe, Glenn G. and E. L., and R. J. Teetor, Muskegon, Mich. Truck. No. 1,234,667; July 24; v. 240; p. 1127.
- Howe, Glenn G. and E. L., and R. J. Teetor, Muskegon, Mich. Truck. No. 1,234,668; July 24; v. 240; p. 1127.
- Howe, John, Aurora, Ill. Bell-ringer for locomotives. No. 1,231,357; June 26; v. 239; p. 1122.
- Howe, John, Aurora, Ill. Bell-ringer for locomotives. No. 1,231,358; June 26; v. 239; p. 1123.
- Howe, John D., Upland, Cal. Citrus-fruit peel, pulp, and juice machine. No. 1,244,331; Oct. 23; v. 243; p. 1001.
- Howe, Lee and C. M., Nemaha, Iowa. Self-starter for automobile-engines. No. 1,225,816; May 15; v. 238; p. 681.
- Howe, Leonard A., Waukon, Iowa. Awning. No. 1,246,601; Nov. 13; v. 244; p. 467.
- Howe, Nicholas F., Round Mountain, Nev. Vehicle-spring. No. 1,215,156; Feb. 6; v. 235; p. 234.
- Howe, Oliver J., Brockton, Mass. Forepart for boot and shoe trees. No. 1,231,359; June 26; v. 239; p. 1123.
- Howe, Philip L., Breezy Hill, Kans. Internal-combustion engine. No. 1,228,923; June 5; v. 239; p. 186.
- Howe, Philip L., Breezy Hill, Kans. Internal-combustion engine. No. 1,250,461; Dec. 18; v. 245; p. 661.
- Howe, Watson, Valley Stream, N. Y. Curtain-hanger. No. 1,219,312; Mar. 13; v. 236; p. 532.
- Howe, William H., Chicago, Ill. Compressor. No. 1,225,817; May 15; v. 238; p. 681.
- Howe, Winthrop K., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Circuit-controller. (Reissue.) No. 14,310; June 5; v. 239; p. 281.
- Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Film-magazine for cinematograph or motion-picture cameras. No. 1,215,534; Feb. 13; v. 235; p. 402.
- Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Control means for motion-picture-printing machines. No. 1,225,335; May 8; v. 238; p. 477.
- Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Pneumatic film-controlling device. No. 1,231,360; June 26; v. 239; p. 1123.
- Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Stop and recoil mechanism for motion-picture apparatus. No. 1,237,046; Aug. 14; v. 241; p. 523.
- Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Device for cleaning films. No. 1,237,047; Aug. 14; v. 241; p. 523.
- Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Film-actuating shuttle and teeth. No. 1,238,520; Aug. 28; v. 241; p. 1066.
- Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Winding and reeling mechanism for motion-picture apparatus. No. 1,243,739; Oct. 23; v. 243; p. 821.
- Howell, Albert S., assignor to Bell & Howell Company, Chicago, Ill. Light-control mechanism for cinematographic and like apparatus. No. 1,247,682; Nov. 27; v. 244; p. 848.
- Howell, Elias W., Camden, N. J. Work-bench. No. 1,235,568; Aug. 7; v. 241; p. 13.
- Howell, Emma J., Cleveland, Ohio. Skirt-gage. No. 1,236,084; Aug. 7; v. 241; p. 179.
- Howell, Frank B., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Heating apparatus. No. 1,239,430; Sept. 4; v. 242; p. 226.
- Howell, Ivy D., Ballston Spa, N. Y. Corset. No. 1,227,442; May 22; v. 238; p. 1264.
- Howell, John B., Leavenworth, Kans. Hacksaw. No. 1,245,345; Nov. 6; v. 244; p. 61.
- Howell, John I., Scott, Ark. Neck-pad. No. 1,249,963; Dec. 11; v. 245; p. 475.
- Howell, Oscar V., Nemaha, Nebr. Dumping-scraper. No. 1,241,383; Sept. 25; v. 242; p. 937.
- Howell, Percy, Portland, Oreg. Portable baking-oven. No. 1,243,605; Oct. 16; v. 243; p. 744.
- Howell, Riley L., Rochester, N. Y. Cushioned hand-stamp. No. 1,236,304; Aug. 7; v. 241; p. 248.
- Howell, Robert C., Scranton, Pa. Tag-holder. No. 1,217,944; Mar. 6; v. 236; p. 20.
- Howell, Thomas H. (See Giffie and Howell.)
- Howell, Wilson S., Jr., New York, N. Y. Aeronautical device. No. 1,232,313; July 3; v. 240; p. 259.
- Hower, Harry S., assignor to Macbeth-Evans Glass Company, Pittsburgh, Pa. Lamp. No. 1,217,945; Mar. 6; v. 236; p. 21.
- Hoves, George W., assignor to The Beckwith Company, Dowagiac, Mich. Humidifier for hot-air furnaces. No. 1,238,771; Sept. 4; v. 242; p. 15.
- Hoves, George W., assignor to The Beckwith Co., Dowagiac, Mich. Combination coal and gas range or cooking-stove. No. 1,242,941; Oct. 16; v. 243; p. 543.
- Howeth, Joseph M., Holdenville, Okla. Ax-rack. No. 1,232,923; July 1; v. 240; p. 493.
- Howland, Chauncey W. (See Bader and Howland.)
- Howland, Chauncey W., assignor to The Standard Optical Company, Geneva, N. Y. Machine for centering, marking, and testing lenses. No. 1,225,334; May 8; v. 238; p. 476.
- Howland, Henry P., Chicago, Ill. Stove for blast-furnaces. No. 1,224,928; May 8; v. 238; p. 338.
- Howland, Joseph L. (See Gross and Howland.)
- Howland, Paul W., Houghton, Wash. Exposure-identifying device for cameras. No. 1,210,804; Jan. 2; v. 234; p. 146.
- Howie, James F., Seattle, Wash. Centrifugal gun. No. 1,235,897; Aug. 7; v. 241; p. 120.
- Howlett, James M., Denver, Colo. Automatic bottle-stopper. No. 1,217,093; Feb. 20; v. 235; p. 1001.
- Hoxie, Kinney C. (See Sheldon and Hoxie.)
- Hoxie, William D., Brooklyn, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Water-tube boiler. No. 1,215,806; Feb. 13; v. 235; p. 500.
- Hoy, Charles E. (See Fetzer, Elias B., assignor.)
- Hoy, Harvey H., St. Louis, Mo. Self-adjusting headlight for automobiles. No. 1,242,350; Oct. 9; v. 243; p. 320.
- Hoy, John E., Detroit, Mich. Grinding-wheel dresser. No. 1,249,758; Dec. 11; v. 245; p. 415.
- Hoyer, Edward J. (See Seror and Hoyer.)
- Hoyer, Paul, Dover, N. J. Music-leaf turner. No. 1,237,339; Aug. 21; v. 241; p. 653.
- Hoyt, Albert M. (See Matson and Hoyt.)
- Hoyt, Avery E., Chicago, Ill. Gas-engine. No. 1,215,535; Feb. 13; v. 235; p. 402.
- Hoyt, Clarence A., Tacoma, Wash. Camera exposure-indicator and shutter-lock. No. 1,224,300; May 1; v. 238; p. 66.
- Hoyt, Daniel, East Orange, assignor of one-half to The National Lock Washer Company, Newark, N. J. Window-fixture. No. 1,214,035; Jan. 30; v. 234; p. 1394.
- Hoyt, Daniel, East Orange, assignor of one-half to The National Lock Washer Company, Newark, N. J. Sash-balance. No. 1,214,036; Jan. 30; v. 234; p. 1395.
- Hoyt, Francis R., assignor to The Simms Magneto Company, East Orange, N. J. Self-contained high-tension battery ignition-unit system. No. 1,216,124; Feb. 13; v. 235; p. 617.
- Hoyt, Francis R., assignor to The Simms Magneto Company, East Orange, N. J. Self-contained high-tension battery ignition unit. No. 1,216,125; Feb. 13; v. 235; p. 617.
- Hoyt, Francis R., assignor to The Simms Magneto Company, East Orange, N. J. Magneto. No. 1,222,869; Apr. 17; v. 237; p. 727.
- Hoyt, Francis R., East Orange, N. J., assignor to The Simms Magneto Co. Magneto electric machine. No. 1,226,666; May 22; v. 238; p. 1004.
- Hoyt, Gabriel P. B., New York, N. Y. Wheel. No. 1,228,557; June 5; v. 239; p. 62.
- Hoyt, John S. (See Doremus, Charles A., assignor.)
- Hoyt, Osmon P., Monroe, N. Y. Pneumatic tire. No. 1,231,612; July 3; v. 240; p. 25.
- Hoyt, Ray S. (See Mills and Hoyt.)
- Hoyt, Ray S., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Artificial line. No. 1,240,213; Sept. 18; v. 242; p. 540.
- Hoyt, Ray S., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Network for neutralizing the characteristic reactance of a loaded line. No. 1,243,066; Oct. 16; v. 243; p. 584.
- Hoyt, Richard F., Olney, Pa., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Type-writing machine. No. 1,238,919; Sept. 4; v. 242; p. 63.

Alphabetical list of patentees—Continued.

- Hoyt, Richard F., Olney, Philadelphia, Pa., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Type-writing machine. No. 1,250,883; Dec. 18; v. 245; p. 787.
- Hoyt, Worthington, *et al.* (See Baumgardner, Frank J., assignor.)
- Hoyt, Worthington. (See Haber, Henry J., assignor.)
- Hren, Joseph, Kingston, N. Y. Trousers-stretcher. No. 1,228,440; June 5; v. 239; p. 22.
- Hribar, Joe, Waukegan, Ill. Clutch mechanism. No. 1,228,673; June 5; v. 239; p. 101.
- Hrnich, Milan, assignor of one-half to R. Goyssovich, Conemaugh, Pa. Combined car and pipe coupling. No. 1,226,887; May 22; v. 238; p. 1079.
- Hruby, John O., Jr., *et al.* (See Mueller, August E., assignor.)
- Hruby, Thomas J., *et al.* (See Mueller, August E., assignor.)
- Hruby, Otto J., *et al.* (See Mueller, August E., assignor.)
- Hruby, Thomas J., *et al.* (See Mueller, August E., assignor.)
- Hruska, Joseph J., Menominee, Mich. Wood-barking machine. No. 1,243,294; Oct. 16; v. 243; p. 651.
- Hub, J. C. (See Case, Francis M., assignor.)
- Hub, John C., Jr., Cleveland, Ohio. Tabbed sheet. No. 1,218,557; Mar. 6; v. 236; p. 231.
- Hub, John C., Jr., Cleveland, Ohio. Tabbed-sheet structure. No. 1,218,558; Mar. 6; v. 236; p. 231.
- Hubbard, Adra M. and O. M., Plainview, assignors of one-half to M. C. Wolfe and one-sixth to H. L. Battle and W. E. Hubbard, Dallas, Tex. Clutch and transmission device. No. 1,227,910; May 29; v. 238; p. 1453.
- Hubbard, Arthur O., Minneapolis, Minn. Road-planing machine. No. 1,232,314; July 3; v. 240; p. 260.
- Hubbard, Charles E., New Decatur, Ala. Electric broiler and toaster. No. 1,251,232; Dec. 25; v. 245; p. 939.
- Hubbard, Charles W., Boston, Mass. Spinning and twisting apparatus. No. 1,232,685; July 10; v. 240; p. 413.
- Hubbard, Charles W., Weston, Mass. Belt-tightener. No. 1,219,313; Mar. 13; v. 236; p. 532.
- Hubbard, Charles W., Weston, Mass. Twisting apparatus. No. 1,219,314; Mar. 13; v. 236; p. 532.
- Hubbard, Charles W., Weston, Mass. Winding and twisting apparatus. No. 1,232,686; July 10; v. 240; p. 414.
- Hubbard, Charles W., Boston, Mass. Spinning and twisting apparatus. No. 1,240,214; Sept. 18; v. 242; p. 541.
- Hubbard & Co. (See Peirce, Charles L., Jr., assignor.)
- Hubbard, Eber J., Chicago, Ill. Sheet-metal spool. No. 1,225,959; May 15; v. 238; p. 728.
- Hubbard, Henry L., Cleveland, Ohio. Wire wheel construction. No. 1,223,977; Apr. 24; v. 237; p. 1142.
- Hubbard, James W., *et al.* (See Tudor, Robert H., assignor.)
- Hubbard, James, London, Ohio. Self-feeding calf-bucket. No. 1,251,376; Dec. 25; v. 245; p. 982.
- Hubbard, Joseph T. (See Forbes and Hubbard.)
- Hubbard, Moses G., Summit, N. J., assignor to Monarch Ventilator Company, New York, N. Y. Ventilator unit. No. 1,223,978; Apr. 24; v. 237; p. 1142.
- Hubbard, Oscar M. (See Hubbard, Adra M. and O. M.)
- Hubbard, Richard W., Ashtabula, Ohio. Hinge. No. 1,228,441; June 5; v. 239; p. 22.
- Hubbard, Thomas J. and W. W., Mendota, Ill. Screen device. No. 1,249,964; Dec. 11; v. 245; p. 475.
- Hubbard, W. E., *et al.* (See Hubbard, Adra M. and O. M., assignors.)
- Hubbard, William W. (See Hubbard, Thomas J. and W. W.)
- Hubbell, Harvey, Bridgeport, Conn. Electric signaling system. No. 1,229,463; June 12; v. 239; p. 416.
- Hubbell, Harvey, Bridgeport, Conn. Pull-socket. No. 1,229,464; June 12; v. 239; p. 417.
- Hubbert, Bartholt H., Baltimore, Md. Alcohol-extractor for brew-kettles. No. 1,250,884; Dec. 18; v. 245; p. 787.
- Hubener, William A., New York, N. Y. Nut-lock. No. 1,240,046; Sept. 11; v. 242; p. 448.
- Hubbs, Henry E. (See Malone and Hubbs.)
- Hubbs, Willis G., Walnut Ridge, Ark. Time and burglar alarm. No. 1,211,448; Jan. 9; v. 234; p. 401.
- Huber, Carl A., Rochester, N. Y. Railway-crossing. No. 1,242,696; Oct. 9; v. 243; p. 431.
- Huber, Charles J., assignor to Huber Grate Bar & Stoking Company, Baltimore, Md. Furnace-grate. No. 1,232,687; July 10; v. 240; p. 414.
- Huber, Frederick W., and R. W. Poindexter, Jr., Los Angeles, Cal. Producing alkaline-earth-metal compounds. No. 1,213,375; Jan. 23; v. 234; p. 1137.
- Huber, Frederick W., and F. F. Reath, Riverside, Cal. Producing cement and recovering potassium compounds. No. 1,219,315; Mar. 13; v. 236; p. 533.
- Huber, Frederick W., and F. F. Reath, Riverside, assignors to W. G. Henshaw, San Francisco, Cal. Leaching fluid. No. 1,220,989; Mar. 27; v. 236; p. 1180.
- Huber Grate Bar & Stoking Company. (See Huber Charles J., assignor.)
- Huber, Gustav A., New York, N. Y. Electrical device. No. 1,234,337; July 24; v. 240; p. 1022.
- Huber, Jacob, assignor to The United Injector Company, Boston, Mass. Valve. No. 1,236,939; Aug. 14; v. 241; p. 488.
- Huber, Jakob. (See Lutz and Huber.)
- Huber, John F., assignor to G. W. Pound, Buffalo, N. Y. Manifold-book or sales-slip holder. No. 1,213,877; Jan. 30; v. 234; p. 1339.
- Huber, Joseph H. (See Massman, Peter, assignor.)
- Hubert, Andrew and L. A., Sparta, Mich. Swivel-carriage for cable-tractors. No. 1,235,032; July 31; v. 240; p. 1275.
- Hubert, Conrad. (See Casella, Secondo L., assignor.)
- Hubert, Conrad. (See Schlager, Jacob, assignor.)
- Hubert, Conrad, Hewlett, N. Y. Portable electric light. No. 1,220,634; Mar. 27; v. 236; p. 1063.
- Hubert, Henry C., St. Louis, Mo. Combined trousers hanger, stretcher, and creaser. No. 1,229,959; June 12; v. 239; p. 581.
- Hubert, Louis A. (See Hubert, Andrew and L. A.)
- Hubler, John, Brandon, Wis., assignor to Wisconsin Hemp Company. Fiber-breaking machine. No. 1,224,929; May 8; v. 238; p. 338.
- Hubler, John, Brandon, Wis. Scutching-machine. No. 1,239,914; Sept. 11; v. 242; p. 410.
- Hubner, Milton H., assignor of one-half to N. W. Mahaffey, Stockton, Cal. Window-sash. No. 1,240,454; Sept. 18; v. 242; p. 616.
- Hubschmitt, Henry A., Jr., Passaic, N. J. Route-indicator for automobiles. No. 1,236,565; Aug. 14; v. 241; p. 365.
- Hucal, Wasyl, Vegreville, Alberta, Canada. Wrench. No. 1,219,316; Mar. 13; v. 236; p. 533.
- Huckbody, Karl L., Portland, Oreg. Double safety-pin. No. 1,248,123; Nov. 27; v. 244; p. 974.
- Huckel, John F., Kansas City, Mo. Vending-truck. No. 1,210,805; Jan. 2; v. 234; p. 147.
- Huddleston, Berry A., Oklahoma, Okla. Laundry-selecting mechanism. No. 1,247,535; Nov. 20; v. 244; p. 772.
- Huddleston, Robert M., San Francisco, Cal. Stop-motion for canning machinery. No. 1,245,922; Nov. 6; v. 244; p. 236.
- Hudepohl, Henry B., Mount Healthy, Ohio. Air heater and drier. No. 1,221,328; Apr. 3; v. 237; p. 115.
- Hudgens, John A., Pinedale, Tex. Crude-oil burner. No. 1,236,805; Aug. 7; v. 241; p. 248.
- Hudgins, John T., assignor of one-half to E. Sawyer, Norfolk, Va. Pipe-coupling. No. 1,228,323; May 29; v. 238; p. 1589.
- Hudnut, Richard A., assignor to Richard Hudnut, Inc., New York, N. Y. Bottle-display stand. No. 1,236,085; Aug. 7; v. 241; p. 179.
- Hudowicz, Paul, New York, N. Y. Separable fastener. No. 1,216,571; Feb. 20; v. 235; p. 826.
- Hudry, John, Hazleton, Pa. Child's vehicle. No. 1,218,943; Mar. 13; v. 236; p. 406.
- Hudson, Albert E., Toronto, assignor of one-third to H. R. Spencer and one-third to R. Hudson, Ottawa, Ontario, Canada. Spark-arrester. No. 1,223,358; Apr. 24; v. 237; p. 935.
- Hudson, Alexander A., Cincinnati, Ohio. Heel-building machine. (Reissue.) No. 14,368; Sept. 25; v. 242; p. 971.
- Hudson, Arthur J., *et al.* (See Baumgardner, Frank J., assignor.)
- Hudson, Benjamin J., Wilsey, Kans. Clamping device. No. 1,241,629; Oct. 2; v. 243; p. 52.
- Hudson Brass Works in the City of New York. (See Gillen, Paul, assignor.)
- Hudson, Christopher C., Niceville, Fla. Insulator. No. 1,233,475; July 17; v. 240; p. 708.
- Hudson, Edward A., Artesia, N. Mex. Combined label, seal, and cork-puller. No. 1,222,765; Apr. 17; v. 237; p. 691.
- Hudson, Edward T., Superior, Nebr. Hay-baler. No. 1,241,981; Oct. 2; v. 243; p. 162.
- Hudson, Elmer, assignor of one-half to J. J. Emminga and F. E. Sahland, Golden, Ill. End-gate for dumping vehicles. No. 1,245,591; Nov. 6; v. 244; p. 137.
- Hudson, John L., Belleville, N. J. Golf-club. No. 1,211,708; Jan. 9; v. 234; p. 488.
- Hudson Motor Car Company. (See Fekete, Stephen I., assignor.)
- Hudson Motor Car Company. (See Hills, Clarence A., assignor.)
- Hudson, Peter L., Effingham, Ill. Weather-stop. No. 1,213,103; Jan. 16; v. 234; p. 1008.
- Hudson Railway Signal Company. (See Hudson, Robert F., assignor.)
- Hudson, Robert, *et al.* (See Hudson, Albert E., assignor.)
- Hudson, Robert F., assignor, by mesne assignments, to Hudson Railway Signal Company, Inc., Richmond, Va. Railway-signal. No. 1,238,772; Sept. 4; v. 242; p. 16.
- Hudson, Warren R., assignor to The Troy Wagon Works Company, Troy, Ohio. Trailer-truck. No. 1,214,037; Jan. 30; v. 234; p. 1395.
- Hudson, Warren R., assignor to The Troy Wagon Works Company, Troy, Ohio. Coupling. No. 1,229,465; June 12; v. 239; p. 417.
- Hudson, William F., Philadelphia, Pa., assignor to Commercial Car Unit Company. Means for converting a pleasure-vehicle chassis into a commercial-truck chassis. No. 1,237,207; Aug. 14; v. 241; p. 570.
- Hudson, William W., Anaconda, Mont. Bucket-elevator. No. 1,234,764; July 31; v. 240; p. 1191.
- Huebel, Otto H. (See Peterson and Huebel.)
- Hueber, Henry, assignor to A. A. Barkey, Seattle, Wash. Liquid-level indicator. No. 1,241,384; Sept. 25; v. 242; p. 938.

- Huebner-Bleistein Patents Company. (See Huebner, William C., assignor.)
- Huebner-Bleistein Patents Company. (See Fullmer and Runser, assignors.)
- Huebner, Josef, assignor to Pan-American Rubber Co., Milwaukee, Wis. Tire for vehicles and making the same. No. 1,245,592; Nov. 6; v. 244; p. 137.
- Huebner, William C., assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Photographic-printing apparatus. No. 1,216,318; Feb. 20; v. 235; p. 736.
- Huebner, William C., assignor to Huebner-Bleistein Patents Co., Buffalo, N. Y. Light-controlling mechanism for photographic apparatus. No. 1,222,766; Apr. 17; v. 237; p. 691.
- Huebsch, Joseph, Milwaukee, Wis. Heated hoisery-form. No. 1,223,585; Apr. 24; v. 237; p. 1005.
- Huebsch, Joseph, and R. Roost, assignors to Huebsch Manufacturing Company, Milwaukee, Wis. Automatic valve for washing-machines. No. 1,223,584; Apr. 24; v. 237; p. 1004.
- Huebsch Manufacturing Company. (See Huebsch and Roost, assignors.)
- Huebsch Manufacturing Company. (See Roost, Richard, assignor.)
- Huebsch, Marcus M., Chicago, Ill. Door-controlling and signaling system. No. 1,217,180; Feb. 27; v. 235; p. 1077.
- Huegele, Alvin, Uvalde, Tex. Hulling-machine. No. 1,250,462; Dec. 18; v. 245; p. 661.
- Huelsdonk, William A., Modesto, Cal. Concentrator. No. 1,244,611; Oct. 30; v. 243; p. 1123.
- Huenefeld Company, The. (See Huenefeld, Walter E., assignor.)
- Huenefeld, Walter E., assignor to The Huenefeld Company, Cincinnati, Ohio. Oil-stove. No. 1,217,451; Feb. 27; v. 235; p. 1172.
- Huesselmann, Ludwig, Chicago, Ill. Post-hole digger. No. 1,236,940; Aug. 14; v. 241; p. 488.
- No. 1,227,791; May 29; v. 238; p. 1413.
- Huether, Jacob, Brooklyn, N. Y., assignor to The Paper Working Machines Company. Taping-machine. No. 1,235,319; July 31; v. 240; p. 1361.
- Huether, Paul, Pittsburgh, Pa. Fountain-brush. No. 1,226,520; May 15; v. 238; p. 918.
- Huey, George W., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrode for slip-regulators. No. 1,248,495; Dec. 4; v. 245; p. 19.
- Huff, Albert J. (See Dohner and Huff.)
- Huff, Edward S., Detroit, Mich., assignor to The Simms Magneto Company, East Orange, N. J. Electric switch. No. 1,215,807; Feb. 13; v. 235; p. 501.
- Huff, Edward S., assignor to Huff Laboratories, Inc., Detroit, Mich. Electric ignition apparatus. No. 1,236,941; Aug. 14; v. 241; p. 489.
- Huff, James H., Roanoke, Va. Water-shield for automobile-engines. No. 1,232,550; July 10; v. 240; p. 370.
- Huff, John M., San Francisco, Cal. Flying-machine. No. 1,226,521; May 15; v. 238; p. 918.
- Huff Laboratories. (See Huff, Edward S., assignor.)
- Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,218,083; Mar. 6; v. 236; p. 67.
- Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Carburetor. No. 1,221,329; Apr. 3; v. 237; p. 116.
- Huff, Russell, assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,228,558; June 5; v. 239; p. 63.
- Huff, Slaughter W., Brooklyn, N. Y. Drawn-link electric fuse. No. 1,228,924; June 5; v. 239; p. 186.
- Hufferd, Lot A., Detroit, Mich. Apparatus for supplying receptacles with liquid. No. 1,241,982; Oct. 2; v. 243; p. 163.
- Hufferd, Lot A., Detroit, Mich. Apparatus for supplying receptacles with liquids. No. 1,249,404; Dec. 11; v. 245; p. 312.
- Huffman, Dewey, Grano, N. D. Motor-sleigh. No. 1,210,477; Jan. 2; v. 234; p. 34.
- Huffman, Edwin E., St. Louis, Mo. Depth-indicating device. No. 1,246,270; Nov. 13; v. 244; p. 367.
- Huffman, Henry H., Columbus, Ohio. Lifting-jack. No. 1,213,376; Jan. 23; v. 234; p. 1138.
- Huffstutter, James H., Corning, Mo. Liquid-fertilizer distributor. No. 1,213,647; Jan. 23; v. 234; p. 1230.
- Huggins, Edward M., New York, N. Y. Jolt ramming-machine. No. 1,242,351; Oct. 9; v. 243; p. 320.
- Huggins, Gurry E., Montclair, N. J. Bag. No. 1,211,853; Jan. 9; v. 234; p. 542.
- Huggins, Nathaniel, New York, N. Y., assignor, by mesne assignments, to Copper Products Company. Process of and apparatus for densified electrodeposition. No. 1,236,438; Aug. 14; v. 241; p. 324.
- Hughes, Albert G., Douglas, Ariz. Hose-coupling. No. 1,213,492; Jan. 23; v. 234; p. 1177.
- Hughes, Arthur D., Wayland, Mich. Vibrator for sieves. No. 1,249,094; Dec. 4; v. 245; p. 193.
- Hughes, Arthur J. (See Creagh-Osborne and Hughes.)
- Hughes, Clement L., and C. E. Howard, Lewistown, Ill. Vending-machine. No. 1,250,179; Dec. 18; v. 245; p. 577.
- Hughes, Clyde F., Portland, Ore. Hose-nozzle. No. 1,234,338; July 24; v. 240; p. 1922.
- Hughes, Davydd C., assignor to D. C. Hughes & Company, Chicago, Ill. Electric sad-iron. No. 1,243,412; Oct. 16; v. 243; p. 685.
- Hughes, Fred T. (See Mellin, Gustaf A. E., assignor.)
- Hughes, Frederick. (See Remer and Hughes.)
- Hughes, Frederick E., Hillsboro, Ore. Hover. No. 1,236,086; Aug. 7; v. 241; p. 180.
- Hughes, Frederick G., assignor to The New Departure Manufacturing Company, Bristol, Conn. Antifriction-bearing and manufacturing the same. No. 1,233,476; July 17; v. 240; p. 708.
- Hughes, George G., and J. F. McDuffie, Bessemer, Ala. Mining system. No. 1,221,860; Apr. 10; v. 237; p. 331.
- Hughes, Godfrey P., Melbourne, Victoria, and J. L. Armstrong, Caulfield, Melbourne, Victoria, Australia. Interlocking roofing-tile. No. 1,226,888; May 22; v. 238; p. 1080.
- Hughes, Harry C., Cincinnati, Ohio. Tire-tool for automobiles. No. 1,250,180; Dec. 18; v. 245; p. 577.
- Hughes, Howard H., Madrid, Iowa. Intake and exhaust valve for gas-engines. No. 1,212,488; Jan. 16; v. 234; p. 792.
- Hughes, Howard R., Houston, Tex. Horizontal-drilling machine. No. 1,224,930; May 8; v. 238; p. 339.
- Hughes, Howard R., assignor to Hughes Tool Company, Houston, Tex. Rotary disk drill. No. 1,227,911; May 29; v. 238; p. 1454.
- Hughes, Howard R., assignor to Hughes Tool Company, Houston, Tex. Rotary boring-drill. No. 1,231,159; June 26; v. 239; p. 1058.
- Hughes, Howard R., assignor to Hughes Tool Company, Houston, Tex. Rotary boring-drill. No. 1,238,407; Aug. 28; v. 241; p. 1029.
- Hughes, Howard R., assignor to Hughes Tool Company, Houston, Tex. Rotary boring-drill. No. 1,245,462; Nov. 6; v. 244; p. 96.
- Hughes, Howard R., assignor to Sharp-Hughes Tool Company, Houston, Tex. Rotary boring-drill. No. 1,247,839; Nov. 27; v. 244; p. 896.
- Hughes, James H., and G. J. Wiedeman, Lewistown, Mont. Shock-absorber. No. 1,243,526; Oct. 16; v. 243; p. 721.
- Hughes, James M., Somerville, Ala. Vehicle-brake. No. 1,244,212; Oct. 23; v. 243; p. 964.
- Hughes, James W. (See Gehman and Hughes.)
- Hughes, James W., Haddon Heights, N. J., assignor to Hughes-Lippincott Company. Coin-controlled mechanism. No. 1,228,674; June 5; v. 239; p. 102.
- Hughes, Jay, Atkinson, Nebr. Road-scraper. No. 1,237,783; Aug. 21; v. 241; p. 795.
- Hughes, Jay, Atkinson, Nebr. Road-scraper. No. 1,245,107; Oct. 30; v. 243; p. 1273.
- Hughes, John L., assignor of one-half to I. Shuler, Tulsa, Okla. Lock for steering-wheels of automobiles. No. 1,243,941; Oct. 23; v. 243; p. 883.
- Hughes, Joseph. (See Brand, Morrie, assignor.)
- Hughes, Joseph. (See Crawford and Hughes.)
- Hughes, Joseph E. (See Wenninghoff and Hughes.)
- Hughes-Lippincott Company. (See Hughes, James W., assignor.)
- Hughes, Louis S., Chicago, Ill. Treating ferruginous waters. No. 1,248,329; Nov. 27; v. 244; p. 1032.
- Hughes, Owen R., Bangor, Pa. Ladder-raiser. No. 1,217,868; Feb. 27; v. 235; p. 1315.
- Hughes, Peter E., Perth Amboy, N. J., assignor to The Cuban-American Sugar Company. Sugar-cane mill. No. 1,227,145; May 22; v. 238; p. 1169.
- Hughes, R. M. (See Ainsworth, Arthur B., assignor.)
- Hughes, Richard R., assignor to Belle City Manufacturing Company, Racine, Wis. Wheel. No. 1,248,124; Nov. 27; v. 244; p. 974.
- Hughes, Robert, Mount Vernon, N. Y. Spark-plug. No. 1,211,157; Jan. 2; v. 234; p. 267.
- Hughes, Robert B., Portland, Ore. Awning-support. No. 1,249,759; Dec. 11; v. 245; p. 415.
- Hughes, Robert B., assignor of one-half to F. Monner, Portland, Ore. Awning-support. No. 1,217,765; Feb. 27; v. 235; p. 1281.
- Hughes, Robert R., Jr., Nyack, assignor to L. N. Littauer, Gloversville, N. Y. Sewing-machine. No. 1,232,315; July 3; v. 240; p. 260.
- Hughes, Samuel W. (See Gattis, Thomas W., assignor.)
- Hughes Tool Company. (See Hughes, Howard R., assignor.)
- Hughes, Wallace E., Philadelphia, Pa. Making tubes. No. 1,223,282; Apr. 17; v. 237; p. 865.
- Hughes, Harry R. and W. C. Walhalla, S. C. Fire-alarm system. No. 1,244,332; Oct. 23; v. 243; p. 1001.
- Hughes, Wade C. (See Hughes, Harry R. and W. C.)
- Hugler, John, Philadelphia, Pa. Figure wheeled toy. No. 1,243,295; Oct. 16; v. 243; p. 651.
- Hugo Manufacturing Company. (See Hawks, William, assignor.)
- Huguenin, Albert, assignor to Aktiengesellschaft der Maschinenfabriken Escher, Wyss & Co., Zurich, Switzerland. Spiral casing for water-turbines. No. 1,239,395; Sept. 4; v. 242; p. 215.
- Huish, Orson P., and O. E. McClellan, Payson, Utah. Beet-topping knife. No. 1,248,330; Nov. 27; v. 244; p. 1033.
- Hulsinger, Martin L., and E. F. Singer, Minneapolis, Minn. Jeweler's setting-holder. No. 1,220,423; Mar. 27; v. 236; p. 989.
- Hulzdil, Frank, Detroit, Mich. Record-holder. No. 1,233,578; July 17; v. 240; p. 743.

Alphabetical list of patentees—Continued.

- Hulbert, Edwin F., South Norwalk, assignor to National Paper Can Company, Norwalk, Conn. Closure for paper receptacles. No. 1,213,648; Jan. 23; v. 234; p. 1231.
- Hulbert, Edwin F., assignor to National Paper Can Company, Milwaukee, Wis. Forming closures for paper receptacles. No. 1,249,095; Dec. 4; v. 245; p. 193.
- Hulden, Alexander S., Great Falls, Mont. Wave-motor. No. 1,213,104; Jan. 16; v. 234; p. 1009.
- Hulden, Alexander S., Great Falls, Mont. Permutation-paddock. No. 1,218,084; Mar. 6; v. 236; p. 68.
- Hulehan, Joseph H. (See Moore and Hulehan.)
- Hulehan, Owen E. (See Erickson, Martin A., assignor.)
- Hulehan, Owen E. (See Tervo, Charley, assignor.)
- Hulet, Ernest W. (See Farmer and Hulet.)
- Hulfish, David S., assignor to Canadian Independent Telephone Company, Limited, Toronto, Ontario, Canada. Telephony. No. 1,218,182; Mar. 6; v. 236; p. 102.
- Hulfish, David S., assignor to Canadian Independent Telephone Company, Limited, Toronto, Ontario, Canada. Telephony. No. 1,220,228; Mar. 27; v. 236; p. 919.
- Hulin, Paul L., Grenoble, France. Extraction of chlorin. No. 1,246,099; Nov. 13; v. 244; p. 316.
- Huling, Harry R., Schuylkill Haven, Pa. Reel for electric conductors. No. 1,216,319; Feb. 20; v. 235; p. 736.
- Hullit, John A., assignor to Automatic Electric Company, Chicago, Ill. Selective signaling system. No. 1,221,801; Apr. 3; v. 237; p. 277.
- Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Method of and means for obtaining constant direct-current potentials. No. 1,251,377; Dec. 25; v. 245; p. 982.
- Hull, Alfred A., Knoxville, Tenn., assignor to Draper Corporation, Hopedale, Mass. Thread-cutting loom-temple. No. 1,241,983; Oct. 2; v. 243; p. 163.
- Hull, Edward T., New York, N. Y. Register for telephone-calls. No. 1,214,466; Jan. 30; v. 234; p. 1540.
- Hull, Firman B., Harrison, N. J. Storm-hood for vehicles. No. 1,236,439; Aug. 14; v. 241; p. 324.
- Hull, Henry M., Fairfield, Conn. Minute cereal and making the same. No. 1,233,238; July 10; v. 240; p. 593.
- Hull, John C., Gasport, N. Y. Spray-gun. No. 1,221,861; Apr. 10; v. 237; p. 331.
- Hull, Nathaniel D., assignor to The Hull Pump & Tank Company, Owensboro, Ky. Discharge-valve. No. 1,224,546; May 1; v. 238; p. 155.
- Hull Pump & Tank Company, The. (See Hull, Nathaniel D., assignor.)
- Hull, Will B., Buffalo, N. Y. Garbage-receptacle. No. 1,215,026; Feb. 6; v. 235; p. 192.
- Hullinger, Ashton and B., assignors to Vulcan Machinery and Reduction Co., Chicago, Ill. Machine for drying garbage. No. 1,218,559; Mar. 6; v. 236; p. 231.
- Hullinger, Ben. (See Hullinger, Ashton and B.)
- Hulme, Robert, Memphis, Tenn. Receptacle-cover. No. 1,249,096; Dec. 4; v. 245; p. 193.
- Hulse, John. (See Webster, William A., assignor.)
- Hulse, Shirley C., Bedford, Pa. Hydraulic-pressure grouting-machine. No. 1,217,766; Feb. 27; v. 235; p. 1282.
- Hulsey, Elie B., and J. A. D. Herrington, Tupelo, Miss. Stop-motion for motion-picture machines. No. 1,243,067; Oct. 16; v. 243; p. 584.
- Hult, Carl A. and O. W., Stockholm, Sweden. Motor-driven cream-separator. No. 1,216,572; Feb. 20; v. 235; p. 826.
- Hult, Carl A. and O. W., Stockholm, Sweden. Driving device for boats. No. 1,228,776; June 5; v. 239; p. 137.
- Hult, Oscar W. (See Hult, Carl A. and O. W.)
- Hultgreen, Frank F., Berkeley, Cal. Auxiliary spark-gap. No. 1,240,721; Sept. 18; v. 242; p. 696.
- Hultgren, Charles, Chicago, Ill., assignor to S. Karpen & Bros. Upholstering-machine. No. 1,247,403; Nov. 20; v. 244; p. 735.
- Hultgren, William H., Roselle Park, N. J. Toy. No. 1,227,268; May 22; v. 238; p. 1210.
- Hultman, Carl A. W., Stockholm, Sweden. Automatic telephone-exchange system. No. 1,239,011; Sept. 4; v. 242; p. 94.
- Hultman, Carl A. W., Stockholm, Sweden. Automatic telephone-exchange system. No. 1,250,885; Dec. 18; v. 245; p. 788.
- Hultquist, Charles A., Los Angeles, Cal. Drilling-machine. No. 1,221,862; Apr. 10; v. 237; p. 331.
- Hultquist, Charles A., Los Angeles, Cal. Drilling-machine. No. 1,233,477; July 17; v. 240; p. 709.
- Hultquist, Charles A., Los Angeles, Cal. Steel-retainer. No. 1,238,018; Aug. 21; v. 241; p. 868.
- Humana Company. (See Morrison, Lewis E., assignor.)
- Humason, Granville A., assignor of three-fourths to J. W. Atkins, Shreveport, La. Means for applying brakes on derailing. No. 1,219,946; Mar. 20; v. 236; p. 784.
- Humber, Egerton S. (See Thirlwall, Vernon S., assignor.)
- Humber, Gustave, Denver, Colo. Arc-lamp. No. 1,228,442; June 5; v. 239; p. 23.
- Humber, Gustave, Denver, Colo. Arc-lamp. No. 1,228,443; June 5; v. 239; p. 23.
- Humber Limited. (See Burgess, Frederick T., assignor.)
- Humbert, Ernest, Niagara Falls, N. Y. Making low-carbon manganese alloys. No. 1,228,925; June 5; v. 239; p. 186.
- Humbert, Ernest, Welland, Ontario, Canada. Making pig-iron. No. 1,242,442; Oct. 9; v. 243; p. 349.
- Humbert, Richard E., Montclair, N. J. Toy. No. 1,224,643; May 1; v. 238; p. 188.
- Humburch, Raymond S. (See Harris and Humburch.)
- Hume, Edward P., Moorcroft, Wyo. Water-elevator. No. 1,239,692; Sept. 11; v. 242; p. 339.
- Hume, Elizabeth F., Dunedin, New Zealand. Corset. No. 1,214,467; Jan. 30; v. 234; p. 1540.
- Hume, James H., assignor to James Howden & Company, Limited, Glasgow, Scotland. Furnace-front. No. 1,222,101; Apr. 10; v. 237; p. 415.
- Hume, Walter R., Adelaide, South Australia, Australia. Machine for making pipes and conduits. No. 1,232,316; July 3; v. 240; p. 260.
- Hume, Walter R., Adelaide, South Australia, Australia. Machine for manufacturing pipes, conduits, and the like. No. 1,233,239; July 10; v. 240; p. 593.
- Humes, William W., Youngstown, Ohio. Raising and lowering device for rolls. No. 1,241,630; Oct. 2; v. 243; p. 53.
- Humitsch, Richard H., Cleveland, Ohio. Electric heating-pad for carbureters, &c. No. 1,236,440; Aug. 14; v. 241; p. 324.
- Hummell & Downing Co. (See Downing, Albert C., assignor.)
- Hummel & Downing Co. (See Johnson, John C., assignor.)
- Hummel, Ernest A., assignor to A. L. Haman, St. Paul, Minn. Electric self-winding clock. No. 1,217,310; Feb. 27; v. 235; p. 1121.
- Hummel, William M., Lewistown, Pa. Mine-door-operating apparatus. No. 1,218,404; Mar. 6; v. 236; p. 179.
- Hump Hairpin Manufacturing Company, The. (See Sisson, Isaac H., assignor.)
- Humphrey, Alfred H., New York, N. Y., assignor to General Gas Light Company, Kalamazoo, Mich. Gas-lamp. No. 1,222,627; Apr. 17; v. 237; p. 643.
- Humphrey, Alfred H., New York, N. Y. Gas-burner. No. 1,245,346; Nov. 6; v. 244; p. 61.
- Humphrey, Alfred H., New York, N. Y. Gas-burner. No. 1,245,347; Nov. 6; v. 244; p. 61.
- Humphrey, David, Cleveland, Ohio. Producing carbonated beverages. No. 1,243,068; Oct. 16; v. 243; p. 585.
- Humphrey, Dudley S., Cleveland, Ohio. Mixing and transporting concrete. No. 1,220,338; Mar. 27; v. 236; p. 960.
- Humphrey, Frederick J. and H. R., Kalamazoo, Mich. Gas-lamp. No. 1,244,051; Oct. 23; v. 243; p. 917.
- Humphrey Gas Pump Company. (See Brown, William C., assignor.)
- Humphrey Gas Pump Company. (See Eckert, George H., assignor.)
- Humphrey Gas Pump Company. (See Humphrey, Herbert A., assignor.)
- Humphrey Gas Pump Company. (See Humphrey and Russell, assignors.)
- Humphrey Gas Pump Company. (See Trump, Charles C., assignor.)
- Humphrey, George F., assignor to Alliance Vegetable Company, Limited, London, England. Dehydrating or drying apparatus. No. 1,225,634; May 8; v. 238; p. 577.
- Humphrey, Herbert A., London, England, assignor to Humphrey Gas Pump Company. Raising or forcing liquid. No. 1,214,791; Feb. 6; v. 235; p. 107.
- Humphrey, Herbert A., London, England, assignor to Humphrey Gas Pump Company. Apparatus for raising or forcing liquid. No. 1,214,792; Feb. 6; v. 235; p. 107.
- Humphrey, Herbert A., London, England, assignor to Humphrey Gas Pump Company. Raising or forcing liquid. No. 1,224,380; May 1; v. 238; p. 95.
- Humphrey, Herbert A., London, England, assignor to Humphrey Gas Pump Company. Utilizing an expansive force in forcing or raising liquid. No. 1,224,644; May 1; v. 238; p. 188.
- Humphrey, Herbert A., London, England, assignor to Humphrey Gas Pump Company. Apparatus for utilizing heat energy. No. 1,228,444; June 5; v. 239; p. 24.
- Humphrey, Herbert A., Westminster, London, England, assignor to Humphrey Gas Pump Company. Utilizing an expansive force. No. 1,243,296; Oct. 16; v. 243; p. 652.
- Humphrey, Herbert A., Westminster, London, England, assignor to Humphrey Gas Pump Company. Raising and forcing liquids. No. 1,243,297; Oct. 16; v. 243; p. 652.
- Humphrey, Herbert A., London, and W. J. Russell, Dudley, Worcester, England, assignors to Humphrey Gas Pump Company. Pump and compressor. No. 1,224,381; May 1; v. 238; p. 96.
- Humphrey, Herbert A., London, and W. J. Russell, Dudley, England, assignors to Humphrey Gas Pump Company. Operating pumps. No. 1,224,931; May 8; v. 238; p. 339.
- Humphrey, Herbert S. (See Ruud and Humphrey.)
- Humphrey, Herbert S., Kalamazoo, Mich. Water-heater. No. 1,251,035; Dec. 25; v. 245; p. 882.
- Humphrey, Hubert R. (See Humphrey, Frederick J. and H. R.)
- Humphrey, Hubert R., Kalamazoo, Mich. Globe-holder. No. 1,222,628; Apr. 17; v. 237; p. 644.
- Humphrey, Irwin. (See Brooks and Humphrey.)
- Humphrey, Irwin W. (See Essex and Humphrey.)
- Humphrey, John D., Norfolk, Conn. Lawn-sprinkler. No. 1,214,038; Jan. 30; v. 234; p. 1395.
- Humphrey, John D., Norfolk, Conn. Lawn-sprinkler. No. 1,219,641; Mar. 20; v. 236; p. 676.

- Humphrey, William, New York, N. Y. Dry-pipe valve and signal. No. 1,211,709; Jan. 9; v. 234; p. 489.
- Humphreys, Alphonso. (See Brown and Humphreys.)
- Humphreys, Arthur C., Toronto, Ontario, Canada. Railway-gate. No. 1,224,745; May 1; v. 238; p. 224.
- Humphreys, Ira B., Denver, Colo. Rotary internal-combustion engine. No. 1,233,579; July 17; v. 240; p. 743.
- Humphreys, William, New York, N. Y. Feed control for millers. No. 1,241,850; Oct. 2; v. 243; p. 122.
- Humphries, Chad H., Kearney, N. J., assignor to The Commercial Research Company, Long Island City, N. Y. Metal article and making same. No. 1,229,960; June 12; v. 239; p. 581.
- Humphries, Milton F., Morrin, Alberta, Canada. Automatic fire-alarm. No. 1,242,552; Oct. 9; v. 243; p. 385.
- Humphrys, William E. H., Hendon, England. Cushion-tire. No. 1,248,863; Dec. 4; v. 245; p. 130.
- Humpidge, Frederick A., Detroit, Mich. Clothes-drier. No. 1,220,514; Mar. 27; v. 236; p. 1021.
- Hundhausen, Joseph, Schofield, Wis. Split shaft for use on paper-machines. No. 1,242,807; Oct. 9; v. 243; p. 465.
- Hunger, Richard C., Manning, Oreg. Saw-gage. No. 1,230,166; June 19; v. 239; p. 686.
- Hunger, Samuel K. (See Christy and Hunger.)
- Hungerford, Warren H., assignor to F. M. Peters, Chicago, Ill. Power-transmitting apparatus. No. 1,231,160; June 26; v. 239; p. 1058.
- Hunker, Martin L., assignor to Wheeling Corrugating Company, Wheeling, W. Va. Elbow-forming machine. No. 1,218,183; Mar. 6; v. 236; p. 102.
- Hunker, Martin L., assignor, by mesne assignments, to Whitaker-Glessner Company, Wheeling, W. Va. Batten-strip. No. 1,226,334; May 15; v. 238; p. 860.
- Hunkle, Frederick P., McKeesport, Pa. Railway-tie and fastener. No. 1,217,767; Feb. 27; v. 235; p. 1282.
- Hunnicut, Charles. (See Baumgartner, Charles B., assignor.)
- Hunsberger, Norman, Santa Barbara, Cal. Game apparatus. No. 1,242,942; Oct. 16; v. 243; p. 544.
- Hunsicker, Charles M., Dayton, Ohio. Flying-machine. No. 1,227,269; May 22; v. 238; p. 1210.
- Hunt, Arthur E., Raymond, Wash. Track-scraper. No. 1,228,559; June 5; v. 239; p. 63.
- Hunt, Benjamin H., assignor to M. D. Gross, Walla Walla, Wash. Support. No. 1,238,295; Aug. 28; v. 241; p. 994.
- Hunt, Bertram, Glasgow, Scotland. Production of cuprous oxide electrolytically. No. 1,212,062; Jan. 9; v. 234; p. 613.
- Hunt, Fern D. (See Geller and Hunt.)
- Hunt, Finis F. (See Wagner, Mathias, assignor.)
- Hunt, Frederick S. (See Wittmann, John, assignor.)
- Hunt, George G., assignor to The Independent Harvester Company, Plano, Ill. Wide-spreading device for fertilizer-distributors. No. 1,221,863; Apr. 10; v. 237; p. 332.
- Hunt, George S., Beaverdam, Va. Lamp attachment. No. 1,238,675; Aug. 28; v. 241; p. 1114.
- Hunt-Helm Ferris & Co. (See Ferris, Henry L., assignor.)
- Hunt, Helm, Ferris & Company. (See Ferris, Howard J., assignor.)
- Hunt, Hervey A., Mohawk, N. Y. Gasket-cutter. No. 1,246,925; Nov. 20; v. 244; p. 599.
- Hunt, John F., Malden, Mass. Disinfecting apparatus. No. 1,210,650; Jan. 2; v. 234; p. 85.
- Hunt, John F., Malden, Mass. Automatic folding seat. No. 1,237,647; Aug. 21; v. 241; p. 751.
- Hunt, John H., Flat River, Mo. Crank-holding attachment for motor-vehicles. No. 1,222,104; Apr. 10; v. 237; p. 416.
- Hunt, John H., assignor to Packard Motor Car Company, Detroit, Mich. Signal device for motor-vehicles. No. 1,231,361; June 26; v. 239; p. 1124.
- Hunt, John H., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Engine-starting system. No. 1,231,362; June 26; v. 239; p. 1124.
- Hunt, John H., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Engine-starting system. No. 1,231,363; June 26; v. 239; p. 1124.
- Hunt, Louis J., Sandycroft, Wales, assignor to General Electric Company. Alternating-current dynamo-electric machine. No. 1,244,983; Oct. 30; v. 243; p. 1236.
- Hunt, Louis J., Sandycroft, Wales, assignor to General Electric Company. Alternating-current dynamo-electric machine. No. 1,246,602; Nov. 13; v. 244; p. 468.
- Hunt, Martin W., Portland, Oreg. Cleansing grain. No. 1,239,396; Sept. 4; v. 242; p. 216.
- Hunt, Martin W., Portland, Oreg. Machine for cleansing grain. No. 1,239,397; Sept. 4; v. 242; p. 216.
- Hunt, Ormund E., assignor to Packard Motor Car Company, Detroit, Mich. Folding seat. No. 1,239,185; Sept. 4; v. 242; p. 148.
- Hunt, Otto H., Walla Walla, Wash. Signal device for motor-vehicles. No. 1,245,593; Nov. 6; v. 244; p. 137.
- Hunt, Ozello R., Chicago, Ill., assignor of one-half to J. F. Gail, Kenosha, Wis. Mattress. No. 1,228,213; May 29; v. 238; p. 1553.
- Hunt, Stephen A., Cave Spring, Ga. Fly-trap. No. 1,212,225; Jan. 16; v. 234; p. 698.
- Hunt, William F., New Brighton, N. Y. Coaling apparatus. No. 1,240,215; Sept. 18; v. 242; p. 541.
- Hunt, William F., New York, N. Y. Washing-machine. No. 1,244,213; Oct. 23; v. 243; p. 964.
- Hunt, William H., New York, N. Y. Hatch-cover lift. No. 1,241,385; Sept. 25; v. 242; p. 938.
- Hunter, Albert, Spokane, Wash. Earth-boring machine. No. 1,245,348; Nov. 6; v. 244; p. 62.
- Hunter Arms Co., The. (See Curtis, Arthur P., assignor.)
- Hunter, David E., assignor to The Shaw-Walker Company, Muskegon, Mich. Sectional filing-cabinet. No. 1,240,851; Sept. 25; v. 242; p. 771.
- Hunter, Della R. (See Hunter, William A., assignor.)
- Hunter Dry Kiln Co., The. (See Hunter, Harry, assignor.)
- Hunter, E. C., et al. (See Webb, James L., assignor.)
- Hunter, Ernest R., Riverside, Conn. Automatic musical instrument. No. 1,251,233; Dec. 25; v. 245; p. 939.
- Hunter, F. C., et al. (See Andrews, Al, assignor.)
- Hunter Fan and Motor Co. (See Parker, Linus J., assignor.)
- Hunter, Freeman D. A., et al. (See Kittredge, Harold S., assignor.)
- Hunter, G. O., et al. (See Webb, James L., assignor.)
- Hunter, Guy, Billings, Mont. *Spring-wheel. No. 1,229,618; June 12; v. 239; p. 469.
- Hunter, Harry, assignor to The Hunter Dry Kiln Co., Indianapolis, Ind. Treating rubber. No. 1,218,261; Mar. 6; v. 236; p. 132.
- Hunter, Harry W., and M. W. Longfellow, assignors to The Baltimore Gas Appliance and Manufacturing Co., Baltimore, Md. Gas-range. No. 1,230,408; June 19; v. 239; p. 765.
- Hunter, Heister S., and T. Watkins, Philadelphia, Pa. Water-gage. No. 1,218,661; Mar. 13; v. 236; p. 305.
- Hunter, Herbert H., Long Beach, Cal. Shock-absorber. No. 1,242,103; Oct. 2; v. 243; p. 201.
- Hunter, Howard M., et al. (See Johnson, Rolly A. and G., assignors.)
- Hunter, James R., Asheville, N. C. Wrench. No. 1,212,063; Jan. 9; v. 234; p. 614.
- Hunter, John A., Ben Avon, and D. Edge, assignors to American Sheet and Tin Plate Company, Pittsburgh, Pa. Temperature indicating and recording apparatus. No. 1,220,635; Mar. 27; v. 236; p. 1063.
- Hunter, John E. (See Brunner, Matthew J., assignor.)
- Hunter, John P., and H. Kuntzler, Wilkes-Barre, Pa., assignors to Adder Machine Company. Mechanical movement for adding-machines. No. 1,225,960; May 15; v. 238; p. 729.
- Hunter, John P., and H. Kuntzler, assignors to Adder Machine Company, Wilkes-Barre, Pa. Carrying mechanism. No. 1,225,961; May 15; v. 238; p. 729.
- Hunter, Lewis C., Detroit, Mich. Bed. No. 1,218,775; Mar. 13; v. 236; p. 346.
- Hunter, Lewis C., Detroit, Mich. Equipment for clothes-closets. No. 1,228,560; June 5; v. 239; p. 63.
- Hunter, Lewis C., Detroit, Mich. Disappearing bed. No. 1,244,736; Oct. 30; v. 243; p. 1162.
- Hunter, Louis T. (See Bristol, Curtis, and Hunter.)
- Hunter, Martha L., and A. B. Church, San Francisco, Cal. Annotator for commercial phonographs. No. 1,216,232; Feb. 13; v. 235; p. 654.
- Hunter, Martha L., and A. B. Church, San Francisco, Cal. Annotator for commercial phonographs. No. 1,230,485; June 19; v. 239; p. 791.
- Hunter, Matthew A., Troy, N. Y. Electrical resistance material. No. 1,211,943; Jan. 9; v. 234; p. 575.
- Hunter, Matthew A., Troy, N. Y. Electromagnetic element or structure. No. 1,226,667; May 22; v. 238; p. 1004.
- Hunter, Maude. (See McCuin, William H., assignor.)
- Hunter, Percy E., Pittsburgh, Pa. Welding apparatus. No. 1,219,317; Mar. 13; v. 236; p. 533.
- Hunter, Robert C. (See Miller and Mueller, assignors.)
- Hunter, Robert F., Bellefonte, Pa. Sash-holder. No. 1,242,697; Oct. 9; v. 243; p. 432.
- Hunter, Rowland C., Englewood, N. J. Metal reglet. No. 1,213,649; Jan. 23; v. 234; p. 1231.
- Hunter, Smith H., assignor of one-half to C. L. Coates, Memphis, Tenn. Baby-jumper. No. 1,233,240; July 10; v. 240; p. 593.
- Hunter, William A., assignor to D. R. Hunter, Terre Haute, Ind. Vehicle-top. No. 1,231,892; July 3; v. 240; p. 120.
- Hunting, Irving A., Plainfield, N. J. Sheet-feeding mechanism for printing-presses. No. 1,224,645; May 1; v. 238; p. 188.
- Huntington, Cory O., Pe Ell, Wash., assignor of one-half to G. G. Seely, Portland, Oreg. Underdog for sawmill-carriage knees. No. 1,231,161; June 26; v. 239; p. 1059.
- Huntington, Robert, South Medford, Mass. Compass. No. 1,215,808; Feb. 13; v. 235; p. 501.
- Huntington, Victor C. (See Ramsey, Huntington, and Hyatt.)
- Huntley, Ernest R., Toledo, Ohio. Clothes-line clamp. No. 1,249,405; Dec. 11; v. 245; p. 313.
- Huntley Manufacturing Company. (See Brantingham and Key, assignors.)
- Huntley Manufacturing Company, The. (See Huntley, Stephen A., assignor.)
- Huntley Manufacturing Company. (See Morse, William F., assignor.)

Alphabetical list of patentees—Continued.

- Huntley, Stephen A., assignor to The Huntley Manufacturing Company, Omaha, Nebr. Recoil-pad for firearms. No. 1,222,291; Apr. 10; v. 237; p. 483.
- Huntly, Gibbs, Caro, Mich. Bill-file. No. 1,226,522; May 15; v. 238; p. 918.
- Huntoon, Charles F., Chicago, Ill. Truck-bolster. No. 1,210,478; Jan. 2; v. 234; p. 34.
- Huntoon, Frank D., assignor to National Manufacturing Company, Worcester, Mass. Fly-trap. No. 1,213,200; Jan. 23; v. 234; p. 1075.
- Huntress, Franklin E. (See Martin, George H., assignor.)
- Huntsman, Edward E., Thomas, W. Va. Jar-lifting device. No. 1,219,398; Mar. 13; v. 236; p. 562.
- Huntsman, Edward L., Rochester, Tex. Cotton-gin. No. 1,229,084; June 5; v. 239; p. 237.
- Hunziker, Adolph A., Maplewood, assignor to Woodward & Tiernan Printing Co., St. Louis, Mo. Easel. No. 1,247,275; Nov. 20; v. 244; p. 699.
- Huot, Joseph G., Montreal, Quebec, Canada. Casement-window adjuster. No. 1,216,320; Feb. 20; v. 235; p. 736.
- Huot, Josephs G., Montreal, Quebec, Canada. Shutter-hinge. No. 1,222,629; Apr. 17; v. 237; p. 644.
- Hupfeld A.-G., Ludwig. (See Hennig, Gustav K., assignor.)
- Hupfeld Aktiengesellschaft, Ludwig. (See Bajde and Hennig, assignors.)
- Hupner, Gus F. (See Beymer, George D., assignor.)
- Hupp, Albert, assignor to Hupp Automatic Mail Exchange Company, Washington, D. C. Railway mail-crane. No. 1,229,191; June 5; v. 239; p. 274.
- Hupp, Albert, assignor to Hupp Automatic Mail Exchange Company, Washington, D. C. Railway mail-exchange apparatus. No. 1,243,606; Oct. 16; v. 243; p. 744.
- Hupp Automatic Mail Exchange Company. (See Hupp, Albert, assignor.)
- Hupp Motor Car Company. (See Watts, Frank E., assignor.)
- Hupp Motor Car Corporation. (See Watts and Hastings, assignors.)
- Hupp, William R., Bryson City, N. C. Admission-valve for steam-engines. No. 1,223,979; Apr. 24; v. 237; p. 1143.
- Hurd, Clarence. (See Lescher, John J., assignor.)
- Hurd, Hubbard F., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Fold-collar. No. 1,213,493; Jan. 23; v. 234; p. 1177.
- Hurd, Hubbard F., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Fold-collar. No. 1,226,216; May 15; v. 238; p. 817.
- Hurd, Hubbard F., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Stock-collar. No. 1,246,271; Nov. 13; v. 244; p. 367.
- Hurd, Norman B., assignor to The American Hardware Corporation, New Britain, Conn. Panic-bolt dog. No. 1,213,105; Jan. 16; v. 234; p. 1009.
- Hurd, Norman B., assignor to The American Hardware Corporation, New Britain, Conn. Lock construction. No. 1,232,035; July 3; v. 240; p. 168.
- Hurd, Norman B., assignor to The American Hardware Corporation, New Britain, Conn. Lock and latch mechanism. No. 1,244,443; Oct. 23; v. 243; p. 1033.
- Hurf, Lucien W., Galesburg, Ill. Animal-oiler. No. 1,237,784; Aug. 21; v. 241; p. 795.
- Hurlbrink, Ernst, Berlin-Friedenau, Germany. Combustion-engine. No. 1,244,333; Oct. 23; v. 243; p. 1001.
- Hurlbrink, Ernst, Friedenau, assignor to Martini & Hüneke Maschinenbau-Aktien-Gesellschaft, Berlin, Germany. Apparatus for discharging liquids. No. 1,243,298; Oct. 16; v. 243; p. 653.
- Hurlburt, Lawson U., Syracuse, N. Y. Vehicle-wheel. No. 1,247,684; Nov. 27; v. 244; p. 849.
- Hurlburt, William B., New York, N. Y. Self-oiling rear axle. No. 1,247,276; Nov. 20; v. 244; p. 699.
- Hurlbut, George K., Milwaukee, Wis. Snap-hook. No. 1,231,742; July 3; v. 240; p. 70.
- Hurlbut, George R. (See Sturm and Hurlbut.)
- Hurlbut, Rollin S., assignor to Oneida Community, Limited, Oneida, N. Y. Trap. No. 1,220,143; Mar. 20; v. 236; p. 855.
- Hurlbut, Rollin S., assignor to Oneida Community, Limited, Oneida, N. Y. Animal-trap. No. 1,238,019; Aug. 21; v. 241; p. 869.
- Hurleman, Walter. (See Pietzsch and Hurleman.)
- Hurley Machine Company. (See Fisher, Alva J., assignor.)
- Hurley, Michael, Oneonta, N. Y. Hub-liner. No. 1,233,676; Aug. 28; v. 241; p. 1114.
- Hurley, Ralph W., Brookvale, Colo. Combined ruler and pencil-sharpener. No. 1,240,145; Sept. 11; v. 242; p. 478.
- Hurley, William L. (See Cameron, Charles E., assignor.)
- Hurm, Horace, Paris, France. Crystalline or like detector for electric waves. No. 1,251,378; Dec. 25; v. 245; p. 983.
- Hurst, John A., New Philadelphia, Ohio. Collapsible egg-case. No. 1,215,278; Feb. 6; v. 235; p. 277.
- Hurt, Henry H., assignor to Robeson Process Company, New York, N. Y. Molded article and making the same. No. 1,239,273; Sept. 4; v. 242; p. 178.
- Hurt, Henry H., assignor to Robeson Process Company, New York, N. Y. Road treatment. No. 1,245,349; Nov. 6; v. 244; p. 62.
- Hurt, Joel J., South Omaha, Nebr. Automatic fly-chaser and door-closer. No. 1,217,311; Feb. 27; v. 235; p. 1121.
- Hurtig, David E., and F. L. Haggart, Delphos, Kans. Attachment for headers and header-binders. No. 1,251,379; Dec. 25; v. 245; p. 983.
- Hurwitch, William, Dorchester, Mass. Wearing-apparel. No. 1,245,720; Nov. 6; v. 244; p. 175.
- Hurwitz, Philip, Baltimore, Md. Amusement apparatus. No. 1,245,350; Nov. 6; v. 244; p. 62.
- Hurwitz, Samuel J., Youngstown, Ohio. Water-heater. No. 1,214,468; Jan. 30; v. 234; p. 1540.
- Hurxthal, Frederick K., assignor to Emerson-Brantingham Company, Rockford, Ill. Grain-distributor. No. 1,215,809; Feb. 13; v. 235; p. 501.
- Hurxthal, Frederick K., assignor to Emerson-Brantingham Company, Rockford, Ill. Aligning bearing for gearing. No. 1,215,810; Feb. 13; v. 235; p. 502.
- Hurxthal, Frederick K., assignor to Emerson-Brantingham Company, Rockford, Ill. Bearing for grain-drills and the like. No. 1,215,811; Feb. 13; v. 235; p. 502.
- Husa, Joseph, Chicago, Ill. Flushing-valve. No. 1,248,331; Nov. 27; v. 244; p. 1033.
- Husak, Paul. (See Wozny and Husak.)
- Husbauds, Frank J., Los Angeles, Cal. Automatic traffic-signal. No. 1,236,441; Aug. 14; v. 241; p. 324.
- Husby, Ingvar, St. Paul, Minn. Leveling instrument. No. 1,231,162; June 26; v. 239; p. 1059.
- Huseby, Albert A., Chicago, Ill. Motor-controlling mechanism for talking-machines. No. 1,224,301; May 1; v. 238; p. 66.
- Huseby, Albert A., Chicago, Ill. Motor-controlling mechanism for talking-machines. No. 1,224,547; May 1; v. 238; p. 155.
- Huseby, Albert A., Chicago, Ill. Sound-box mounting for talking-machines. No. 1,228,115; May 29; v. 238; p. 1523.
- Huseby, Albert A., Chicago, Ill. Sound-box for talking-machines. No. 1,228,116; May 29; v. 238; p. 1524.
- Huseby, Albert A., Chicago, Ill. Reproducer for talking-machines. No. 1,236,942; Aug. 14; v. 241; p. 489.
- Huseby, Albert A., Chicago, Ill. Sound-box mounting. No. 1,239,693; Sept. 11; v. 242; p. 339.
- Huseby, Albert A., Chicago, Ill. Motor-controlling mechanism for talking-machines. No. 1,240,455; Sept. 18; v. 242; p. 616.
- Huseby, Albert A., Chicago, Ill. Counterbalance for phonograph-horns. No. 1,241,119; Sept. 25; v. 242; p. 853.
- Huseby, Albert A., Chicago, Ill. Universal reproducer for talking-machines. No. 1,241,736; Oct. 2; v. 243; p. 87.
- Husher, Thomas S., South Boston, Mass. Valve. No. 1,234,477; July 24; v. 240; p. 1068.
- Husk, Dayton E., Easton, Pa., and T. C. Cooper, Newark, N. J. Railway-gate operator. No. 1,215,157; Feb. 6; v. 235; p. 235.
- Hussar, Ernest A., New York, N. Y. Forming plates for artificial teeth. No. 1,211,944; Jan. 9; v. 234; p. 575.
- Hussy, Paul, and M. Hartmann, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Silver compound of the acridin series and making same. No. 1,227,624; May 29; v. 238; p. 1356.
- Hussy, Paul, and M. Hartmann, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Cadmium compounds of the acridin series, and making the same. No. 1,228,926; June 5; v. 239; p. 186.
- Husted, Lemuel J., Kansas City, Mo. Aerial-torpedo-steering mechanism. No. 1,222,630; Apr. 17; v. 237; p. 645.
- Hustinx, René. (See Duyssens, Tossanus, assignor.)
- Huston, Charles L., Coatesville, Pa. Pouring-head for ingot-molds. No. 1,240,722; Sept. 18; v. 242; p. 696.
- Huston, John J. (See Burris, Mathew, assignor.)
- Huston, John T., Columbus, Ga. Peanut-shelling machine. No. 1,246,100; Nov. 13; v. 244; p. 316.
- Huston, Roy L., assignor of one-half to C. T. Clark, Cartersville, Mo. Car-fender. No. 1,216,997; Feb. 20; v. 235; p. 970.
- Hutches, Benjamin F., Jr., Allendale, N. J. Calculating-machine. No. 1,212,226; Jan. 16; v. 234; p. 698.
- Hutcheson, Arthur C., et al. (See Lattig, Jacob W., assignor.)
- Hutchings, Charles E. (See Rutan and Hutchings.)
- Hutchings, Frank W., New Haven, Conn. Tone-arm. No. 1,229,466; June 12; v. 239; p. 417.
- Hutchings, William S. (See Goddard and Hutchings.)
- Hutchins Car Roofing Company. (See Thompson, William D., assignor.)
- Hutchins, Frank E., et al. (See Rosentreter, Albert J., assignor.)
- Hutchins, George F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Forming bosses on metal blades. No. 1,220,748; Mar. 27; v. 236; p. 1101.
- Hutchins, George F., Worcester, and E. H. Ryon, Waltham, Mass., assignors to Crompton & Knowles Loom Works. Weft-replenishing loom. No. 1,221,802; Apr. 3; v. 237; p. 277.
- Hutchins, Thomas W. S., L. Hargreaves, and A. C. Dunningham, Middlewich, England. Production of sodium bisulfite. No. 1,216,452; Feb. 20; v. 235; p. 783.
- Hutchins, Thomas W. S., L. Hargreaves, and A. C. Dunningham, Middlewich, England. Manufacture of sodium thiosulfate. No. 1,219,819; Mar. 20; v. 236; p. 739.

- Hutchinson, Edgar, Clio, Iowa. Aeroplane-propeller. No. 1,237,340; Aug. 21; v. 241; p. 654.
- Hutchinson, George, assignor to Donald-Hutchinson Patents Limited, Masterton, Wellington, New Zealand. Fencing-dropper. No. 1,234,167; July 24; v. 240; p. 967.
- Hutchinson, George W., assignor to Donald-Hutchinson Patents Limited, Masterton, New Zealand. Fastener for fencing-wires. No. 1,213,201; Jan. 23; v. 234; p. 1075.
- Hutchinson, Jacob F., Springville, Utah. Hay-loader. No. 1,220,339; Mar. 27; v. 236; p. 960.
- Hutchinson, Job, Astoria, N. Y. Internal-combustion engine. No. 1,246,272; Nov. 13; v. 244; p. 367.
- Hutchinson, John, Wellington, Kans. Valve. No. 1,250,463; Dec. 18; v. 245; p. 661.
- Hutchinson, Joseph, New York, N. Y. Mechanical restaurant-service. No. 1,215,536; Feb. 13; v. 235; p. 403.
- Hutchinson, Ralph E., Morton, Minn. Garment-supporter. No. 1,213,650; Jan. 23; v. 234; p. 1231.
- Hutchinson, Warren B. (See Friede and Hutchinson.)
- Hutchinson, William H., Rochester, N. Y. Cooking device. No. 1,226,771; May 22; v. 238; p. 1041.
- Hutchinson, William S., Montreal, Quebec, Canada. Storage-battery plate. No. 1,228,675; June 5; v. 239; p. 102.
- Hutchison, Alvin E. (See Day, Lewis D., assignor.)
- Hutchison, Loch F., Northbranch, Kans. Bag reinforcement and handle. No. 1,233,784; July 17; v. 240; p. 807.
- Hutchison, Miller R., West Orange, N. J. Stapling device. No. 1,235,140; July 31; v. 240; p. 1307.
- Hutchison, William G., Valparaiso, Ind. Ventilator. No. 1,234,031; July 17; v. 240; p. 886.
- Hutchison, William T., South Bend, Ind. Plow. No. 1,240,047; Sept. 11; v. 242; p. 449.
- Hutchisson, Clarence L., Mobile, Ala. Building block or tile. No. 1,246,926; Nov. 20; v. 244; p. 599.
- Hutsch, Charles S., East St. Louis, Ill. Wire-stretcher. No. 1,235,141; July 31; v. 240; p. 1307.
- Hutsel, Robert, Kingston-upon-Hull, England, assignor to American Radiator Company, Chicago, Ill. Casing or jacket for boilers. No. 1,239,106; Sept. 4; v. 242; p. 124.
- Huttar, Alfred, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Arc-lamp. No. 1,241,515; Oct. 2; v. 243; p. 13.
- Hutter, George J., Cherryvale, Kans. Attachment for tractors. No. 1,241,120; Sept. 25; v. 242; p. 853.
- Hutton, Edward S., Lapel, Ind. Machine for making hollow glassware. No. 1,241,516; Oct. 2; v. 243; p. 14.
- Hutton, Ernest, Wayland, Ky. Cross-tie for mine railways or track constructions. No. 1,223,171; Apr. 17; v. 237; p. 831.
- Hutton, Ernest, Wayland, Ky. Blasting device. No. 1,241,386; Sept. 25; v. 242; p. 938.
- Hutton, Ernest S., Calgary, Alberta, Canada. Lamp structure. No. 1,242,308; Oct. 9; v. 243; p. 466.
- Hutton, Homer F., Jeffers, Mont. Threshing-machine. No. 1,234,168; July 24; v. 240; p. 967.
- Hutton, John, Kilminning, Crail, Scotland. Machine for sowing seeds or the like. No. 1,241,387; Sept. 25; v. 242; p. 939.
- Hutton, John T. D. (See O'Gara, Thomas, assignor.)
- Huuskane, William, Butte, Mont. Combined lamp-holder and candlestick. No. 1,248,496; Dec. 4; v. 245; p. 20.
- Huxley, Henry M., Evanston, assignor to Economy Fuse & Manufacturing Company, Chicago, Ill. Inclosed safety-fuse. No. 1,231,364; June 26; v. 239; p. 1124.
- Huye, Joseph G., New Orleans, La. Box. No. 1,249,097; Dec. 4; v. 245; p. 193.
- Huye, Joseph G., New Orleans, La. Box. No. 1,249,098; Dec. 4; v. 245; p. 194.
- Huye, Joseph G., New Orleans, La. Box. No. 1,249,099; Dec. 4; v. 245; p. 194.
- Huyette, Miles C., Buffalo, N. Y. Deflecting-plate for smoke-funes. No. 1,228,023; May 29; v. 238; p. 1492.
- Hveem, Martin, Bayles, assignor to one-fourth to J. F. Finnegan and one-fourth to S. Brunner, La Moine, Cal. Gearless differential device. No. 1,224,746; May 1; v. 238; p. 225.
- Hwalek, Jozef, Globe Village, Mass. Window-shade bracket. No. 1,219,103; Mar. 13; v. 236; p. 460.
- Hyatt, Charles M. (See Ramsey, Huntington, and Hyatt.)
- Hyatt, James D., Wadesboro, N. C. Bridge construction. No. 1,215,537; Feb. 13; v. 235; p. 403.
- Hyatt, John W., Pleasantdale, N. J. Apparatus for continuously pressing ice fragments into an endless bar. No. 1,221,054; Apr. 3; v. 237; p. 18.
- Hyatt Roller Bearing Company. (See Lockwood, Charles S., assignor.)
- Hyatt Roller Bearing Division, United Motors Corporation. (See Knoth, Conrad, assignor.)
- Hyatt Roller Bearing Division, United Motors Corporation. (See Lieberman, Paul B., assignor.)
- Hyatt Roller Bearing Division, United Motors Corporation. (See Lockwood, Charles S., assignor.)
- Hybinette, Noah V., Christiania, Norway. Process of extracting copper from oxidized ores. No. 1,233,580; July 17; v. 240; p. 743.
- Hybinette, Noah V., Christiania, Norway. Electrolytic cell. No. 1,239,012; Sept. 4; v. 242; p. 94.
- Hyde, Claude C., Otisville, N. Y. Making knit silk waists. No. 1,247,404; Nov. 20; v. 244; p. 735.
- Hyde, Courtney, Brooklyn, N. Y., assignor to Alphaduct Company, Jersey City, N. J. Flexible electrical conduit. No. 1,227,538; May 22; v. 238; p. 1297.
- Hyde, James M., Sapulpa, Okla. Latch. No. 1,219,318; Mar. 13; v. 236; p. 533.
- Hyde-Murphy Company. (See Turner, Joseph P., assignor.)
- Hyde, Stanley T. (See Weller, Naugle, and Hyde.)
- Hydraulic-Press Brick Company. (See Bryson, Frank W., assignor.)
- Hydraulic Pressed Steel Company, The. (See Grob, Arnold, assignor.)
- Hydraulic Pressed Steel Company, The. (See Gruber, Edward, assignor.)
- Hydraulic Pressed Steel Company, The. (See Richards, Archer W., assignor.)
- Hydro-Carbon Gas Generator Company. (See Higgins, James F., assignor.)
- Hydrogenation Company, The. (See Burchenal, John J., assignor.)
- Hydrogenation Company. (See Kayser, Edwin C., assignor.)
- Hydrogenation Company, The. (See Paal, Carl, assignor.)
- Hyer, Horace H., Hertel, Wis. Combination-tool. No. 1,212,064; Jan. 9; v. 234; p. 614.
- Hyers, Samuel A. (See Jenkins and Hyers.)
- Hyke Bros. Mfg. Co. (See Hyke, Francis G., assignor.)
- Hyke, Francis G., assignor to Hyke Bros. Mfg. Co., St. Louis, Mo. Window-refrigerator. No. 1,245,351; Nov. 6; v. 244; p. 62.
- Hyland, Charles, assignor to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure for boilers. No. 1,222,292; Apr. 10; v. 237; p. 483.
- Hyland, Charles, assignor to Flannery Bolt Company, Pittsburgh, Pa. Flexible stay-bolt connection for boilers. No. 1,229,961; June 12; v. 239; p. 582.
- Hyle, Jacob A., assignor to one-half to J. F. Sweeney, Chicago, Ill. Combined rail-joint and tie-plate. No. 1,227,146; May 22; v. 238; p. 1169.
- Hymans, Frederick, Glen Ridge, assignor to Otis Elevator Company, Jersey City, N. J. Safety device. No. 1,225,962; May 15; v. 238; p. 730.
- Hymans, Frederick, Glen Ridge, assignor to Otis Elevator Company, Jersey City, N. J. Motor-control apparatus. No. 1,225,963; May 15; v. 238; p. 730.
- Hynes, Lee P., assignor to Railway Utility Company, Chicago, Ill. Sliding-door fastener. No. 1,223,389; Apr. 24; v. 237; p. 935.
- Hynes, Lee P., assignor to Railway Utility Company, Chicago, Ill. Ventilator. No. 1,223,390; Apr. 24; v. 237; p. 935.
- Hynes, Lee P., assignor to Railway Utility Company, Chicago, Ill. Electric car-heating system. No. 1,237,341; Aug. 21; v. 241; p. 654.
- Hynes, Lee P., assignor to Railway Utility Company, Chicago, Ill. Vapor-heating system. No. 1,245,233; Nov. 6; v. 244; p. 28.
- Hynes, Lee P., assignor to Thermo Electric Regulator Co., Chicago, Ill. Thermo-electric regulator. No. 1,246,927; Nov. 20; v. 244; p. 600.
- Hyslop, Levin J., Keller, Va. Ballot-box. No. 1,211,854; Jan. 9; v. 234; p. 542.
- Hytrek, Stanislaus W., Stuart, Nebr. Loading device. No. 1,249,100; Dec. 4; v. 245; p. 194.
- I. B. Kleinert Rubber Company. (See Guinzburg, Victor, assignor.)
- I. E. Palmer Co., The. (See Palmer, Isaac E., assignor.)
- I. E. Palmer Company, The. (See Palmer, Townsend, assignor.)
- I. E. Palmer Company, The. (See Whitcomb, Emory O., assignor.)
- Iams, Charles P., and J. A. Ramsey, Washington, Pa. Trolley-pole. No. 1,217,946; Mar. 6; v. 236; p. 21.
- Iarussi, Joseph. (See Rome and Iarussi.)
- Icenhour, Albert A., Arnold, assignor to one-twentieth to Pittsburgh Plate Glass Company; four one-hundred-and-sixtieths to C. R. Sammons, Pittsburgh, Pa.; fourteen one-hundred-and-sixtieths to L. K. Guiler; nine one-hundred-and-sixtieths to B. H. Thompson; nine one-hundred-and-sixtieths to S. A. Gilmore; and one-fortieth to A. E. Sixsmith. Glass manufacture. No. 1,242,444; Oct. 9; v. 243; p. 349.
- Ichihara, Hidetaro, Port Blakely, Wash. Device for applying adhesive matter. No. 1,230,409; June 19; v. 239; p. 765.
- Ichilian, Sarkis A., Washington, D. C. Syringe. No. 1,235,142; July 31; v. 240; p. 1308.
- Ickes, Carl, Chicago, Ill. Greenhouse-gutter. No. 1,244,500; Oct. 30; v. 243; p. 1089.
- Ickes, Peter C., assignor to E. E. Garard, Chanute, Kans. Collapsible crate. No. 1,230,830; June 19; v. 239; p. 905.
- Ickes, Peter C., assignor to E. E. Garard, Chanute, Kans. Collapsible crate. No. 1,230,831; June 19; v. 239; p. 905.
- Iconochrome Company of America. (See John, Robert, assignor.)
- Icy-Hot Bottle Company, The. (See Altenberg, George P., assignor.)
- Ide, Harry L., assignor to one-half to R. W. Ide, Springfield, Ill. Photographic camera. No. 1,212,355; Jan. 16; v. 234; p. 746.

Alphabetical list of patentees—Continued.

- Ide, Harry L., assignor of one-half to R. W. Ide, Springfield, Ill. Photographic camera. No. 1,234,339; July 24; v. 240; p. 1023.
- Ide, Harry L., assignor of one-half to R. W. Ide, Springfield, Ill. Photographic camera. No. 1,235,320; July 31; v. 240; p. 1362.
- Ide Patents Corporation. (See Ide, Roy W., assignor.)
- Ide, Roy W. (See Ide, Harry L., assignor.)
- Ide, Roy W., assignor to Ide Patents Corporation, Springfield, Ill. Internal-combustion engine. No. 1,246,743; Nov. 13; v. 244; p. 508.
- Ide, Roy W., assignor to Ide Patents Corporation, Springfield, Ill. Internal-combustion engine. No. 1,246,744; Nov. 13; v. 244; p. 508.
- Ide, Roy W., assignor to Ide Patents Corporation, Springfield, Ill. Internal-combustion engine. No. 1,246,745; Nov. 13; v. 244; p. 509.
- Ide, Roy W., assignor to Ide Patents Corporation, Springfield, Ill. Carbureter. No. 1,246,746; Nov. 13; v. 244; p. 509.
- Ide, Roy W., assignor to Ide Patents Corporation, Springfield, Ill. Internal-combustion engine. No. 1,246,747; Nov. 13; v. 244; p. 510.
- Ideal Coated Paper Co. (See Lawrence, Edwin V., assignor.)
- Ideal Cooney Dressing & Dyeing Company. (See Vandeweghe and D'huyvetters, assignors.)
- Ideal Laundry Company. (See Schmidt, Herman C., assignor.)
- Ideal Wheel Company, The. (See Strietmeier, John E., assignor.)
- Idle, Walter W., Urbana, Ohio. Wire-stretcher. No. 1,216,233; Feb. 13; v. 235; p. 654.
- Idone, Ralph C., Cleveland, Ohio. Clasp. No. 1,249,406; Dec. 11; v. 245; p. 313.
- Idoux, Edmond, Montclair, N. J. Hatband. No. 1,237,048; Aug. 14; v. 241; p. 324.
- Ielfield, August, assignor to Columbia Postal Supply Company, Silver Creek, N. Y. Mail-marking machine. No. 1,243,740; Oct. 23; v. 243; p. 821.
- Ihnat, Michael, Pleasant City, Ohio. Fender. No. 1,238,677; Aug. 28; v. 241; p. 1114.
- Ihnat, Michael, Detroit, Mich. Fender. No. 1,240,216; Sept. 18; v. 242; p. 541.
- Ihne, Walter W., Chicago, Ill. Eraser for fountain-pen caps. No. 1,215,538; Feb. 13; v. 235; p. 403.
- Ihrcke, Frank A., Chicago, Ill. Welding goggles. No. 1,246,928; Nov. 20; v. 244; p. 600.
- Ihrke, Walter E., Rockford, Ill. Sieve. No. 1,216,453; Feb. 20; v. 235; p. 784.
- Iki, Otohiko, Muko Gun, Hyogo Ken, Japan. Feed-water purifier. No. 1,245,721; Nov. 6; v. 244; p. 175.
- Ile, William, Toronto, Ontario, Canada. Electric-lamp-socket shell. No. 1,241,851; Oct. 2; v. 243; p. 123.
- Ilg, Robert A., Chicago, Ill. Protective device for ventilating-fans. No. 1,244,334; Oct. 23; v. 243; p. 1002.
- Iltz, Michael, Manila, Philippine Islands. Field-range. No. 1,218,776; Mar. 13; v. 236; p. 347.
- Illback, Henry, East Orange, N. J. Ring or band for use in pile-driving. No. 1,220,229; Mar. 27; v. 236; p. 919.
- Illescas, Francisco, Mexico, Mexico. Circulating and protective means for steam-boilers. No. 1,238,773; Sept. 4; v. 242; p. 16.
- Illford Limited. (See Renwick and Storr, assignors.)
- Iliges, George M. (See Walker and Moses, assignors.)
- Ill, Oscar, Pocatello, Idaho. Door-hanger. No. 1,234,032; July 17; v. 240; p. 887.
- Illian, Jacob J., Milwaukee, Wis. Bottle-capper. No. 1,215,812; Feb. 13; v. 235; p. 503.
- Illingworth, James E., Ithaca, N. Y. Filling compound for tree-cavities. No. 1,217,181; Feb. 27; v. 235; p. 1077.
- Illinois Iron & Bolt Company. (See Gamble, Joseph W., assignor.)
- Illinois Malleable Iron Co. (See Johnson, John L., assignor.)
- Illinois Refining Machinery Company, The. See Rowsey, Gentry L., assignor.)
- Illinois Show Case Works. (See Meinel, Frederick E., assignor.)
- Illinois Tool Works. (See Olson, Carl G., assignor.)
- Illinois Watch Case Co. (See Hathaway, Thomas F., assignor.)
- Illinois Watch Case Co. (See Johnson, John E., assignor.)
- Ilisley, Frank P., Detroit, Mich. Liquid-level-regulating device. No. 1,227,539; May 22; v. 238; p. 1297.
- Ilse, Frank H., Detroit, Mich. Wind-shield-cleaning implement. No. 1,251,036; Dec. 25; v. 245; p. 882.
- Iman, Orla H., assignor to Voigtmann & Co., Chicago, Ill. Metal window-frame. No. 1,222,293; Apr. 10; v. 237; p. 483.
- Imbert, Iwan, Ramonchamp, France. Feeding device. No. 1,241,388; Sept. 25; v. 242; p. 939.
- Imhoff, Michael F., Bakersfield, Cal. Hame-hook. No. 1,237,785; Aug. 21; v. 241; p. 795.
- Imlay, Clifford A., San Francisco, Cal. Pedal-propelled vehicle. No. 1,249,407; Dec. 11; v. 245; p. 313.
- Immer, Anton C., et al. (See Fisher, Fred, assignor.)
- Immerheiser, Carl, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Coloring-matter lake and producing same. No. 1,232,551; July 10; v. 240; p. 370.
- Immerheiser, Carl, Ludwigshafen-on-the-Rhine, and A. Beyer, Mannheim, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Color-lake and producing same. No. 1,232,552; July 10; v. 240; p. 370.
- Imperial Car Cleaner Company. (See Service, William F., assignor.)
- Imperial Cash Register Company, The. (See Bristow, Charles, assignor.)
- Imperial Metal Mfg. Co. (See Arnstein, Leonard A., assignor.)
- Imperial Piano Player Company, The. (See Herman, Henry F., assignor.)
- Imperial Tobacco Company of Canada Limited. (See Stockard, Thomas R., assignor.)
- Imperial Typewriter Company. (See Pilblad, Eric J., assignor.)
- Improved Equipment Company, The. (See Doherty, Henry L., assignor.)
- Improved Farm Implement Co., The. (See McNally and Gardner, assignors.)
- Improved Manufacturing Co. (See Enck, Herbert E., assignor.)
- Improved Paper Machinery Company. (See Haug, Anton J., assignor.)
- Improved Paper Machinery Company. (See Phelps, Edward V., assignor.)
- Improved Sanitary Fixture Company. (See Barker, George H., assignor.)
- Impson, Clifton H., Auburn, Iowa. Work-support for Ford engines. No. 1,219,460; Mar. 20; v. 236; p. 613.
- In. Vu Co. Inc. (See Sickels, Harry P., assignor.)
- Inami, William O., Los Angeles, Cal. Adjustable rack. No. 1,216,321; Feb. 20; v. 235; p. 737.
- Inch, John W., et al. (See Power, Bert H., assignor.)
- Indahl, Mauritz C. (See Bancroft and Indahl.)
- Indahl, Mauritz C. (See Bancroft, Indahl, and Hofberg.)
- Indahl, Mauritz C., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Gas-burner for casting-machines. No. 1,220,128; Mar. 20; v. 236; p. 849.
- Independence Coffee and Spice Company, The. (See Savageau, Frederick L., assignor.)
- Independent Button Fastener Machine Company. (See Stenman, Axel C., assignor.)
- Independent Harvester Company, The. (See Hunt, George G., assignor.)
- Independent Ice Company of Baltimore City. (See Kirkpatrick, Willis B., assignor.)
- Indestructible Paint Company, et al. (See Ellis, Carleton, assignor.)
- Indestructible Paint Company, et al. (See Ellis and Rabinovitz, assignors.)
- Indestructible Paint Company, The, et al. (See Terrisse, Henri, assignor.)
- Index, Visible. (See Hayes, Robert D., assignor.)
- Indiana Air Pump Company. (See Pruitt, Oran M., assignor.)
- Indiana Lamp Co. (See De Martin, Chrales L., assignor.)
- Indiana Manufacturing Company, The. (See Morrison, Charles D., assignor.)
- Indiana Manufacturing Company, The. (See Seburn, Harvey T., assignor.)
- Indiana Wagon Company, The. (See Kaul, Burt J., assignor.)
- Individual Sanitary Shaving Cup Co. (See Goldenberg and Keller, assignors.)
- Individual Specialties. (See Miller, Albert F., assignor.)
- Industrial Chemical Company. (See Okell, Stanley A. W., assignor.)
- Industrial Controller Company. (See Van Valkenburg, Herman L., assignor.)
- Industrial Development Company. (See Darrah and Trood, assignors.)
- Industrial Development Company. (See Trood, Samuel, assignor.)
- Industrial Electric Mfg. Company. (See Vollbrecht, Frederick A., assignor.)
- Industrial Instrument Company, The. (See Bristol and Fitts, assignors.)
- Industrial Service and Equipment Company. (See Butler, James A., assignor.)
- Industrie-Gesellschaft für Schappe. (See Brand, Charles assignor.)
- Ingal, Robert E., Chicago, Ill. Radiator attachment. No. 1,241,389; Sept. 25; v. 242; p. 939.
- Ingalls, William A., Arkansas City, Kans. Cushion-wheel. No. 1,224,747; May 1; v. 238; p. 225.
- Ingber, Nathaniel, assignor to C. Ingber & Sons, New York, N. Y. Office-coat. No. 1,211,449; Jan. 9; v. 234; p. 402.
- Inge, Sam L. (See Reed and Inge.)
- Ingersoll, Leonard R., Madison, Wis. Apparatus for measuring the gloss of non-metallic surfaces. No. 1,225,250; May 8; v. 238; p. 445.
- Ingersoll-Rand Company. (See Armstrong, William H., assignor.)
- Ingersoll-Rand Company. (See Banner, Otto, assignor.)
- Ingersoll-Rand Company. (See Bayles, Lewis C., assignor.)
- Ingersoll-Rand Company. (See Buckley, Emery L., assignor.)
- Ingersoll-Rand Company. (See Bulkley, Emery L., assignor.)

- Ingersoll-Rand Company. (See Carter, Russell S., assignor.)
- Ingersoll-Rand Company. (See Gibson, Arthur H., assignor.)
- Ingersoll-Rand Company. (See Jimerson, Francis A., assignor.)
- Ingersoll-Rand Company. (See Peck, Caid H., assignor.)
- Ingersoll-Rand Company. (See Peters, Arthur E., assignor.)
- Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
- Ingersoll-Rand Company. (See Wilhelm, Russell H., assignor.)
- Inghram, George, Fairview, W. Va. Self-supporting garment. No. 1,231,025; June 26; v. 239; p. 1011.
- Inghram, Lewis, Fairview, W. Va. Dirigible-lamp mechanism. No. 1,229,752; June 12; v. 239; p. 513.
- Ingle, Arthur H. (See Cary, William R., assignor.)
- Ingle, Arthur H., and A. J. Gosselin, Rochester, assignors, by mesne assignments, to Ingle Corporation, Monroe county, N. Y. Gear-tooth-rounding machine. No. 1,216,454; Feb. 20; v. 235; p. 784.
- Ingle Corporation. (See Ingle and Gosselin, assignors.)
- Ingle, James W., Reading, assignor of one-half to T. V. Maxedon, Cincinnati, Ohio. Coin and check handling register. No. 1,238,711; Aug. 28; v. 241; p. 1124.
- Ingle, James W., Dayton, assignor of one-half to T. V. Maxedon, Cincinnati, Ohio. Amount-indicator for credit-checks and cash. No. 1,238,712; Aug. 28; v. 241; p. 1124.
- Ingles, Edward L., Indianapolis, Ind. Liquid-heating attachment for furnaces. No. 1,216,811; Feb. 20; v. 235; p. 908.
- Ingles, Edwin F. (See Von Boden and Ingles.)
- Ingletton, James W., Astoria, Oreg. Aeroplane. No. 1,213,577; Jan. 23; v. 234; p. 1138.
- Inglis, Bruce K. (See Inglis, Clement W., C. W., and B. K.)
- Inglis, Charles E., assignor of one-half to E. Connell, Malden, Mass. Nut-lock. No. 1,220,129; Mar. 20; v. 236; p. 850.
- Inglis, Charles E., Grantchester, near Cambridge, England. Joining device for the members of military bridges and the like. No. 1,231,365; June 26; v. 239; p. 1125.
- Inglis, Charles W. (See Inglis, Clement W., C. W., and B. K.)
- Inglis, Clement W., C. W., and B. K., Milwaukee, Wis. Coupling member. No. 1,214,308; Jan. 30; v. 234; p. 1489.
- Ingram, Alfred, assignor, by mesne assignments, to Anchor Cap & Closure Corporation, New York, N. Y. Bottle and jar sealing device. No. 1,218,662; Mar. 13; v. 236; p. 805.
- Ingram Hatch Motor Corporation. (See Ingram and Hatch, assignors.)
- Ingram, Joseph A., and W. P. Hatch, assignors to Ingram Hatch Motor Corporation, New York, N. Y. Automobile. No. 1,249,760; Dec. 11; v. 245; p. 416.
- Ingram, Joseph D., Washburn, Tex. Transmission mechanism. No. 1,242,193; Oct. 9; v. 243; p. 270.
- Ingram, Palmer R., et al. (See Johnson, Clarence B., assignor.)
- Ingram, Walter M., Hollis Center, Me. Taper attachment for sawmill-carriages. No. 1,211,855; Jan. 9; v. 234; p. 542.
- Ingram, William C., Grand Rapids, Mich. Street-flushing machine. No. 1,216,455; Feb. 20; v. 235; p. 784.
- Ingram, William C., Grand Rapids, Mich. Street-flushing machine. No. 1,217,947; Mar. 6; v. 236; p. 21.
- Ingram, William C., Grand Rapids, Mich. Shrapnel-shell. No. 1,240,217; Sept. 18; v. 242; p. 541.
- Ingram, William D. (See Stafford, Ingram, and Gordon.)
- Ingram, William S., Raleigh, N. C. Safety air-brake valve. No. 1,212,955; Jan. 16; v. 234; p. 956.
- Ingram, William T., Ruleton, Kans. Internal-combustion engine. No. 1,239,274; Sept. 4; v. 242; p. 179.
- Ingwersen, Thomas B., Bowling Green, Mo. Wheel. No. 1,220,230; Mar. 27; v. 236; p. 919.
- Inhabad-Gesellschaft M. b. H. (See Buchhorn, Otto, assignor.)
- Inland Machine Works. (See Flammang, John, assignor.)
- Inman, Horace, and F. M. Joslin, assignors to Inman Manufacturing Company, Incorporated, Amsterdam, N. Y. Machine for making paper box-blanks. No. 1,225,131; May 8; v. 238; p. 406.
- Inman Manufacturing Company. (See Inman and Joslin, assignors.)
- Inman, John C., Eden, Ontario, Canada. Automobile-tire holder particularly adapted to clencher-tires. No. 1,224,548; May 1; v. 238; p. 155.
- Inman, John T., Attleboro, Mass. Cigarette-case. No. 1,233,058; July 10; v. 240; p. 535.
- Inman, Thomas M. (See Ward, Bryant, and Inman.)
- Inman, William A., Hartford City, Ind. Cattle-guard. No. 1,210,806; Jan. 2; v. 234; p. 147.
- Innes, Frank R., Detroit, Mich. Current-jack for electrical meters. No. 1,240,574; Sept. 18; v. 242; p. 651.
- Innis, George C., Boston, assignor to P. C. Stingel, West Medford, Mass. Gas lighting and extinguishing apparatus. No. 1,232,036; July 3; v. 240; p. 169.
- Inouye, Tokugoro, Los Angeles, Cal. Yarn and thread holder for crocheters and knitters. No. 1,219,399; Mar. 13; v. 236; p. 552.
- Inouye, Tora. (See Shimamoto and Inouye.)
- Inshaw, George R. (See Inshaw, John G. and G. R.)
- Inshaw, John G. and G. R., Gartcosh, Scotland. Planetary gearing for rolling-machines. No. 1,247,536; Nov. 20 v. 244; p. 773.
- Insko, Wyatt M., Carlisle, Ky. Grain-door. No. 1,229,085; June 5; v. 239; p. 238.
- Inter-State Engine & Tractor Company. (See Spencer, Daniel G., assignor.)
- Interlocking Rail Joint Corporation. (See Coughlin, Edward W., assignor.)
- International Army & Navy Equipment Company, The. (See Seymour, Benjamin E., assignor.)
- International Art Publishing Company. (See Scott, John G., Jr., assignor.)
- International Battleship Company. (See Orkin, Samuel, assignor.)
- International Braid Co. (See Hill, Daniel, assignor.)
- International Burr Corporation. (See Aikin, William P., assignor.)
- International Callaphone Corporation. (See Kurman, Nathan A., assignor.)
- International Cellulose Company. (See Ostenberg, Zeno, assignor.)
- International Color & Chemical Company. (See Ramage, Alexander S., assignor.)
- International Conveyor Corporation. (See Brooks, Oliver C., assignor.)
- International Conveyor Corporation. (See Thornley, Fred C., assignor.)
- International Cork Company. (See Alberti, John, assignor.)
- International Cork Company, The. (See Bogdanffy, Alexander, assignor.)
- International Cork Company. (See Bogdanffy and Alberti, assignor.)
- International Dental Appliance Co. (See Lyon, William T., assignor.)
- International Egg Candler Corporation. (See Finney, James J., assignor.)
- International Electric Riveter Company. (See Kobert, Frank P., assignor.) (Reissue.)
- International Excavator Company, The. (See Allen, Frederick E., assignor.)
- International Farm Implement Company. (See Pile, John R., assignor.)
- International Filler Corporation. (See Shelor, Frederick L., assignor.)
- International Folding Paper Box Co. (See Gold, Leo F., assignor.)
- International Harvester Company of New Jersey. (See Anderson, Emil F., assignor.)
- International Harvester Company of New Jersey. (See Benjamin, Bert R., assignor.)
- International Harvester Company of New Jersey. (See Benjamin and Pearson, assignors.)
- International Harvester Company of New Jersey. (See Bunting, Norman E., assignor.)
- International Harvester Company of New Jersey. (See Burgess, Edward W., assignor.)
- International Harvester Company of New Jersey. (See Clark, Horace N., assignor.)
- International Harvester Company of New Jersey. (See Erickson, Albin, assignor.)
- International Harvester Company of New Jersey. (See Greising, Charles M., assignor.)
- International Harvester Company of New Jersey. (See Greising and Dahlin, assignors.)
- International Harvester Company of New Jersey. (See Gronke, Barney, assignor.)
- International Harvester Company of New Jersey. (See Hagadone, Clinton A., assignor.)
- International Harvester Company of New Jersey. (See Holland-Letz, Lud., assignor.)
- International Harvester Company of New Jersey. (See Latimer, John W., assignor.)
- International Harvester Company of New Jersey. (See Mackey, Floyd J., assignor.)
- International Harvester Company of New Jersey. (See McIntire, Richard E., assignor.)
- International Harvester Company of New Jersey. (See Merwin, George M., assignor.)
- International Harvester Company of New Jersey. (See Morris, Thomas A., assignor.)
- International Harvester Company of New Jersey. (See Mowry, Edward, assignor.)
- International Harvester Company of New Jersey. (See Osterholm, William C., assignor.)
- International Harvester Company of New Jersey. (See Pearson, Charles, assignor.)
- International Harvester Company of New Jersey. (See Phelps, George L., assignor.)
- International Harvester Company of New Jersey. (See Rand, Charles A. A., assignor.)
- International Harvester Company of New Jersey. (See Rane, Clemma R., assignor.)
- International Harvester Company of New Jersey. (See Rane and Livesay, assignors.)
- International Harvester Company of New Jersey. (See Rane, Benjamin, and Livesay, assignors.)
- International Harvester Company of New Jersey. (See Rice, George L., assignor.)
- International Harvester Company of New Jersey. (See Rockwell, Horace L., assignor.)
- International Harvester Company of New Jersey. (See Ryther, Frank A., assignor.)

Alphabetical list of patentees—Continued.

- International Harvester Company of New Jersey. (See Schutt, Duny A., assignor.)
- International Harvester Company of New Jersey. (See Sharp, Charles S., assignor.)
- International Harvester Company of New Jersey. (See Smith, John P., assignor.)
- International Harvester Company of New Jersey. (See Stone, John A., assignor.)
- International Harvester Company of New Jersey. (See Sturrock, John, assignor.)
- International Harvester Company of New Jersey. (See Turner and Heath, assignors.)
- International Harvester Company of New Jersey. (See Willis, George W., assignor.)
- International Harvester Corporation. (See Burger, Leopold F., assignor.)
- International Harvester Corporation. (See Burgess, Edward W., assignor.)
- International Harvester Corporation. (See Ford, Ralph L., assignor.)
- International Harvester Corporation. (See Holsey, Arthur, assignor.)
- International Harvester Corporation. (See Johnston, Edward A., assignor.)
- International Harvester Corporation. (See Lindgren, Alexis C., assignor.)
- International Harvester Corporation. (See McClenathen, Robert, assignor.)
- International Harvester Corporation. (See Mohr, Albert F., assignor.)
- International Harvester Corporation. (See Podlešák, Henry J., assignor.)
- International Harvester Corporation. (See Robinson, Charles W., assignor.)
- International Harvester Corporation. (See Robinson and Baseman, assignors.)
- International Harvester Corporation. (See Sperry, Leonard B., assignor.)
- International Harvester Corporation. (See Tinsman, Samuel H., assignor.)
- International Money Machine Company. (See Overlin, William S., assignor.)
- International Money Machine Company. (See Runquist, Gustaf, assignor.)
- International Money Machine Company. (See White, Nelson, assignor.)
- International Motor Company. (See Herreshoff, Alexander G., assignor.)
- International Motor Company. (See Masury, Alfred F., assignor.)
- International Motor Company. (See Masury and Herreshoff, assignors.)
- International Paper Company. (See Barrus, George H., assignor.)
- International Paper Company, The. (See White, Ambrose H., assignor.)
- International Postal Supply Company. (See Jahn, Frederick G., assignor.)
- International Precipitation Company. (See Anderson, Evald, assignor.)
- International Precipitation Company. (See Burns, Herbert A., assignor.)
- International Press Company. (See Dill, William C., assignor.)
- International Printing Company. (See Henderson, George K., assignor.)
- International Process Company. (See Waern, Adolph W., assignor.)
- International Sav-a-Life Fender Co. (See Pritchard, Lewis C., assignor.)
- International Siegwartbalken-Gesellschaft. (See Wilhelm, Otto, assignor.)
- International Silver Co. (See Michael, Harry B. W., assignor.)
- International Stream Flow Turbine Company. (See Clarkson, Ralph P., assignor.)
- International Time Recording Company of New York. (See Bryce, James W., assignor.)
- International Time Recording Company of New York. (See Goss, Harry T., assignor.)
- International Time Recording Company of New York. (See Goss and Bryce, assignors.)
- International Time Recording Company of New York. (See Hawley, William D., assignor.)
- Interstate Machine Products Company, The. (See Armstrong, Merton C., assignor.)
- Intertype Corporation. (See Bertram and Homans, assignors.)
- Intertype Corporation. (See Homans, Thomas S., assignor.)
- Intertype Corporation. (See McGrath, Patrick H., assignor.)
- Intertype Corporation. (See Sperry, Samuel E., assignor.)
- Inventors Product Company. (See Kern, Charles J., assignor.)
- Invincible Grain Cleaner Company. (See Hicks, Levi, assignor.)
- Invincible Grain Cleaner Co. (See Zimmerman, John B., assignor.)
- Inwood, William A. (See Smith and Inwood.)
- Ionides, Alexander C., Jr., London, England. Apparatus for heating water and other liquids. No. 1,239,398; Sept. 4; v. 242; p. 216.
- Ireland, C. Frank, *et al.* (See Bradley, Richard C., assignor.)
- Ireland, Ward S., Owensboro, Ky. Shorthand-machine. No. 1,216,998; Feb. 20; v. 235; p. 970.
- Ireton, Artis F., assignor to The Starr Piano Company, Richmond, Ind. Stop device for phonograph-disks. No. 1,218,560; Mar. 6; v. 236; p. 231.
- Irey, John H., West Liberty, Iowa. Concrete-block mold. No. 1,233,241; July 10; v. 240; p. 593.
- Iriarte, Fernando. (See Borrás and Iriarte.)
- Irion, Charles W., Husted, Colo. Gun-sight. No. 1,237,908; Aug. 21; v. 241; p. 833.
- Irons, Ison B., Morgantown, W. Va. Tire. No. 1,233,478; July 17; v. 240; p. 709.
- Irons, L. C., *et al.* (See Bretz, George W., assignor.)
- Irrgang, William F., Springfield, Mass. Work-lifting apparatus. No. 1,248,650; Dec. 4; v. 245; p. 68.
- Irvin, Luther C., Warwick, W. Va. Clothes-line. No. 1,214,469; Jan. 30; v. 234; p. 1541.
- Irvine, James C. (See Haworth and Irvine.)
- Irvine, Richard S., San Francisco, Cal. Combination piano and organ player mechanism. No. 1,215,813; Feb. 13; v. 235; p. 503.
- Irvine, Richard S., assignor to Eilers Music Company, San Francisco, Cal. Winder for phonographs. No. 1,236,176; Aug. 7; v. 241; p. 208.
- Irving, Fred W. (See Schaefer, George A., assignor.)
- Irving, James A., New York, N. Y. Smoking-pipe. No. 1,221,864; Apr. 10; v. 237; p. 332.
- Irwin, Asa O., Fort Mills, Philippine Islands. Paper-fastener. No. 1,211,158; Jan. 2; v. 234; p. 267.
- Irwin, Asa O., Fort Mills, Philippine Islands. Ball and roller bearing for journal-boxes. No. 1,212,065; Jan. 9; v. 234; p. 614.
- Irwin, Asa O., Plattsburg, N. Y. Ball-bearing for journal-boxes. No. 1,231,366; June 26; v. 239; p. 1126.
- Irwin Auger Bit Company, The. (See McPherson, Elmer T., assignor.)
- Irwin, Clarence R. (See Brown, Peter F., assignor.)
- Irwin, George T., Toronto, Ontario, Canada. Standard electric lamp. No. 1,243,675; Oct. 16; v. 243; p. 766.
- Irwin-Hodson Company, The. (See Bronner, Frederick H., assignor.)
- Irwin, James, South San Francisco, assignor to H. J. Mahony Co., San Francisco, Cal. Releasing device. No. 1,227,147; May 22; v. 238; p. 1170.
- Irwin, James R., San Francisco, Cal. Locking and releasing device. No. 1,242,809; Oct. 9; v. 243; p. 466.
- Irwin, Jesse M., Dallas, Tex. Process and apparatus for reducing cotton-stalks to pulp suitable for the manufacture of paper. No. 1,250,106; Dec. 11; v. 245; p. 515.
- Irwin, John J., Cleveland, Ohio. Insulator. No. 1,229,272; June 12; v. 239; p. 351.
- Irwin, John T., London, England. Electrodynamometer instrument. No. 1,224,171; May 1; v. 238; p. 20.
- Irwin, Theodore J., Fresno, Cal. Musical instruction. No. 1,212,556; Jan. 16; v. 234; p. 747.
- Irwin, Thomas, Brantford, Ontario, Canada. Figure toy. No. 1,236,087; Aug. 7; v. 241; p. 180.
- Irwin, Thomas J., Trenton, N. J. Toy. No. 1,218,405; Mar. 6; v. 236; p. 179.
- Irwin, Thomas K., assignor to Anglo-Continental Fertilizers Syndicate Limited, London, England. Apparatus for treating sewage and other waste liquids. No. 1,220,990; Mar. 27; v. 236; p. 1181.
- Irwin, Truman M., Wallaceburg, Ontario, Canada. Safety hose-supporter. No. 1,224,466; May 1; v. 238; p. 127.
- Irwin, William D., Livingston, Mont. Adjustable axle-pattern gage. No. 1,222,404; Apr. 10; v. 237; p. 523.
- Isaac, Staunton. (See Ranson, Adolph, assignor.)
- Isaacs, Joel L., Chicago, Ill. Sprayer. No. 1,219,642; Mar. 20; v. 236; p. 677.
- Isaacs, Joseph A., Westfield, N. J. Glove-form. No. 1,215,158; Feb. 6; v. 235; p. 235.
- Isaacs, Mone R., Philadelphia, Pa. Kiln. No. 1,231,893; July 3; v. 240; p. 120.
- Isaacs, Seymour A., *et al.* (See Burns, John G., assignor.)
- Isaacson, Alfred, and V. Bloomberg, Bridgeport, Kans. Vehicle-elevating means. No. 1,245,722; Nov. 6; v. 244; p. 175.
- Isaacson, John E., Kimball, Minn. Trap. No. 1,215,279; Feb. 6; v. 235; p. 278.
- Isaacson, Morris, Brooklyn, N. Y. Die and press for attaching wood heels. No. 1,216,999; Feb. 20; v. 235; p. 971.
- Isakson, Carl, Dunseith, N. D. Door-catch. No. 1,224,382; May 1; v. 238; p. 96.
- Isbell, John A. (See Wood and Isbell.)
- Isbell, John F., assignor, by mesne assignments, to G. L. Knight, Los Angeles, Cal. Concentrator. No. 1,227,792; May 29; v. 238; p. 1413.
- Isbell-Porter Company. (See Wehner, Robert K., assignor.)
- Ischer, Fritz, assignor to Schroeder Brothers Manufacturing Company, Torrington, Conn. Antislipping device. No. 1,215,539; Feb. 13; v. 235; p. 404.
- Iseman, Richard B., Vandergrift, Pa. Turn-table. No. 1,234,033; July 17; v. 240; p. 887.
- Isenhour, John H., Shakopee, Minn. Detachable coat storm-collar. No. 1,248,332; Nov. 27; v. 244; p. 1033.
- Iseron, Abraham S., New York, N. Y. Stationary electric-iron heater. No. 1,217,000; Feb. 20; v. 235; p. 971.

- Isgreg, W. D., *et al.* (See Newkirk, William P., assignor.)
 Isham, Clara H. (See Isham, Willard S., assignor.)
 Isham, Harry S., Belmar, N. J. Railway-tie and fastener. No. 1,219,319; Mar. 13; v. 236; p. 534.
 Isham, Robert M. (See Handy and Isham.)
 Isham, Willard S., assignor to C. H. Isham, Washington, D. C. Projectile and fuse or firing mechanism therefor. No. 1,237,909; Aug. 21; v. 241; p. 834.
 Isherwood, Arthur, Boston, Mass., assignor to T. Kenyon, Manchester, England. Cloth spreader or expander. No. 1,233,059; July 10; v. 240; p. 536.
 Isherwood, Harold. (See Pollen and Isherwood.)
 Ishikawa, Fukutaro, Cleveland, Ohio. Paper salt and spice shaker. No. 1,234,340; July 24; v. 240; p. 1023.
 Ishizuka, Tohoru. (See Kamada and Ishizuka.)
 Ishler, Willis A., Pittsfield, Mass., assignor to General Electric Company. Electrical insulation. No. 1,223,881; Apr. 24; v. 237; p. 1111.
 Isidor, Joseph S., Newark, N. J., assignor to The R. Neumann Hardware Co. Trunk-fastener. No. 1,229,962; June 12; v. 239; p. 582.
 Isko, Incorporated. (See Coleman, Clyde J., assignor.)
 Isko, Incorporated. (See Wolf, Fred W., assignor.)
 Iskols, Anatol D., Schenectady, N. Y. Screw-propeller. No. 1,245,234; Nov. 6; v. 244; p. 28.
 Isler, Herman R., Norwood, assignor to The Oakley Machine Tool Company, Cincinnati, Ohio. Cutter-setting indicator. No. 1,249,629; Dec. 11; v. 245; p. 377.
 Isler, Herman R., Norwood, assignor to The Oakley Machine Tool Company, Cincinnati, Ohio. Tooth-rest. No. 1,249,630; Dec. 11; v. 245; p. 377.
 Isler, Herman R., Norwood, assignor to The Oakley Machine Tool Company, Cincinnati, Ohio. Gear-cutter grinder. No. 1,249,631; Dec. 11; v. 245; p. 378.
 Isler, Herman R., Norwood, assignor to The Oakley Machine Tool Company, Cincinnati, Ohio. Grinding-machine. No. 1,249,632; Dec. 11; v. 245; p. 378.
 Isley, George H. (See Lummis and Isley.)
 Isley, George H., assignor to Morgan Construction Company, Worcester, Mass. Gas-producer. No. 1,221,055; Apr. 3; v. 237; p. 18.
 Isnow, Demetry. (See Altschuler and Isnow.)
 Isobabella, Riccardo, and F. Lombardi, assignors of one-third to M. Feder, New York, N. Y. Washing-machine. No. 1,243,413; Oct. 16; v. 243; p. 686.
 Isom, Joseph F., Augusta, Ga. Level device. No. 1,221,738; Apr. 3; v. 237; p. 255.
 Ison, George G., Mangum, Okla. Fortification-shield. No. 1,226,075; May 15; v. 238; p. 770.
 Israel, Joseph, New York, N. Y. Flower-box. No. 1,251,234; Dec. 25; v. 245; p. 940.
 Israelson, Peter, Ramey, Minn. Bag-holder. No. 1,240,852; Sept. 25; v. 242; p. 771.
 Ito, Nakaba, Tokyo Fu, Japan. Heat-insulating compound. No. 1,245,723; Nov. 6; v. 244; p. 176.
 Ittner, Charles E., and C. A. Smith, Baltimore, Md. Valve-operating mechanism. No. 1,211,159; Jan. 2; v. 234; p. 267.
 Ittner, Geo. W., *et al.* (See Markwell, Andrew E., assignor.)
 Ittner, Martin H., Jersey City, N. J. Stuffing-box. No. 1,213,494; Jan. 23; v. 234; p. 1177.
 Ittner, Martin H., Jersey City, N. J. Catalyst for hydro-generating oils and the like. No. 1,238,774; Sept. 4; v. 242; p. 17.
 Ittner, Martin H., Jersey City, N. J. Apparatus for treating liquids with gases. No. 1,242,445; Oct. 9; v. 243; p. 350.
 Iucci, Michael, Maspeth, N. Y. Musical instrument employing a diaphragm. No. 1,233,881; July 17; v. 240; p. 839.
 Ivanik, Stephen J., Youngstown, Ohio. Rail-joint. No. 1,248,333; Nov. 27; v. 244; p. 1033.
 Ivany, Leslie A., Vancouver, British Columbia, Canada. Thermostat for oil-heating means. No. 1,222,870; Apr. 17; v. 237; p. 728.
 Iversen, Hans H. and J., and H. P. Paulsen, Schleswig, Iowa. Stock-waterer. No. 1,238,678; Aug. 28; v. 241; p. 1114.
 Iversen, Jorgen. (See Iversen and Paulsen.)
 Iverson, Mary J., Beverly, Mass. Car-fender. No. 1,236,088; Aug. 7; v. 241; p. 180.
 Iverson, Pater, Kindred, N. D. Wrench. No. 1,234,765; July 31; v. 240; p. 1192.
 Iversen, William. (See Buckley and Iversen.)
 Ivery, John W., assignor of one-third to The Clay Products Co., Brazil, Ind. Method and means for coating kiln-baked articles. No. 1,237,520; Aug. 21; v. 241; p. 711.
 Ives, Frederic E., Woodcliff-on-Hudson, N. J. Color photography. No. 1,238,775; Sept. 4; v. 242; p. 17.
 Ives, Frederic E., Philadelphia, Pa. Photographic film. No. 1,240,344; Sept. 18; v. 242; p. 581.
 Ives, Frederic E., Philadelphia, Pa. Color photography. No. 1,247,116; Nov. 20; v. 244; p. 653.
 Ives, Frederic E., Philadelphia, Pa. Producing color photographs or films. No. 1,248,864; Dec. 4; v. 245; p. 130.
 Ives, James F., Newbern, N. C. Lock. No. 1,210,807; Jan. 2; v. 234; p. 148.
 Ives, Louis, Dearborn, Mich. Automatic door opening and closing device. No. 1,246,101; Nov. 13; v. 244; p. 316.
 Ives, Selden W., Burwell, Nebr. Service-rack for waiters. No. 1,251,456; Dec. 25; v. 245; p. 1005.
 Ivor, Barry, Chicago, Ill. Odorless and humidity-supplying gas heating-stove. No. 1,246,273; Nov. 13; v. 244; p. 368.
 Ivory Garter Company. (See Butts, Daniel G., assignor.)
 Iwamoto, Sumu, Higashi-Ku, Osaka, Japan. Process of making charcoal and apparatus therefor. No. 1,227,148; May 22; v. 238; p. 1170.
 Iwatsubo, Gohei, Kioto, Japan. Manufacturing color-leaf. No. 1,228,372; May 29; v. 238; p. 1606.
 Iwersen, Gustav J. T., Point Roberts, Wash. Multiple-horse holder and releaser. No. 1,217,182; Feb. 27; v. 235; p. 1078.
 Izenstark, Charles. (See Haggerty, Frank, assignor.)
 J. Edward Ogden Company, The. (See Du Bosque, Francis L., assignor.) (Reissue.)
 J. Gordon Knight Electric Company. (See Knight, Julian G., assignor.)
 J. Milhening, Inc. (See Milhening, Frank, assignor.)
 J. Stone & Company Limited. (See Darker, Alfred H., assignor.)
 J. A. Fay & Egan Company. (See Meyers, John J., assignor.)
 J. B. Foote Foundry Company. (See Walter, Charles R., assignor.)
 J and B Manufacturing Company. (See Jacobson, Edward B., assignor.)
 J. C. Blair Company. (See Africa and McSheehy, assignors.)
 J. C. Deagan Musical Bells. (See Deagan, John C., assignor.)
 J. C. Deagan Musical Bells. (See Little, Frederick B., assignor.)
 J. D. Johnson Co. (See Endy, George D., assignor.)
 J. D. Randall Company, The. (See Randall, James D., assignor.)
 J. E. Hanger, Incorporated. (See Hanger, Henry H. and J. E., Jr., assignors.)
 J. E. Hanger, Incorporated. (See Hanger, James E., Jr., assignor.)
 J. E. Mergott Company, The. (See Fuller, Franz A., assignor.)
 J. E. Peckham Co. (See Peckham, Joseph E., assignor.)
 J. F. Sturdy's Sons Co. (See Eklund, Alexander, assignor.)
 J. G. Brill Company, The. (See Adams, Walter S., assignor.)
 J. G. Brill Company, The. (See Head, Arthur F. H., assignor.)
 J. G. Brill Company, The. (See Heuling, William H., Jr., assignor.)
 J. G. Brill Company, The. (See Kohler, George B., assignor.)
 J. G. Brill Company, The. (See McWhirter, John S., assignor.)
 J. G. Brill Company, The. (See Smith, Warren M., assignor.)
 J. G. Cherry Company. (See Chadima, Frank, assignor.)
 J. G. Cherry Company. (See Van Kuren, Stephen J., assignor.)
 J & G Manufacturing Co. (See Tongberg, Otto H., assignor.)
 J. H. Sager Company. (See Sager, Clinton M., assignor.)
 J. H. Sager Company. (See Sager, James H., assignor.)
 J. H. White Manufacturing Company. (See Kahns, Walter R., assignor.)
 J. H. White Manufacturing Company. (See White, Edwin L., assignor.)
 J. H. Williams & Co. (See Amborn, George, assignor.)
 J. H. Williams & Co. (See Carew, Andrew F., assignor.)
 J. I. Case Threshing Machine Company. (See Davies, David P., assignor.)
 J. I. Case Threshing Machine Company. (See Stuckel, Frank C., assignor.)
 J. I. Case Threshing Machine Company. (See Welty, Albert B., assignor.)
 J. I. Case Threshing Machine Company. (See Zachow, William, assignor.)
 J. J. Wuellner & Son. (See Wuellner, John C., assignor.)
 J. L. Mott Iron Works, The. (See Hooper, Louis M., assignor.)
 J. L. Mott Iron Works, The. (See Lindemer, Charles, assignor.)
 J. L. Sommer Manufacturing Co. (See Sommer, John L., assignor.)
 J. M. Sherwood Manufacturing Corporation. (See Elmore, Charles B., assignor.)
 J. P. Eustis Manufacturing Company. (See Eustis and Brown, assignors.)
 J. S. McChesney & Co. (See McChesney, John S., assignor.)
 J. S. Schofield's Sons Company. (See Jackson, Lewis R., assignor.)
 J. T. Slocumb Company. (See Slocumb, John T., assignor.)
 J. W. Cruikshank Engineering Company. (See Cruikshank, James W., assignor.)
 Jabez Burns & Sons. (See Burns, William G., assignor.)
 Jabez Burns & Sons. (See Greene, Richard A., assignor.)
 Jabez Burns & Sons. (See Schnuck and Burns, assignors.)
 Jablonowsky, Heinrich, Riverside, N. J. Toy. No. 1,223,696; Apr. 24; v. 237; p. 1046.

Alphabetical list of patentees—Continued.

- Jachimowicz, Szymon, Zurich, Switzerland. Beam-compass. No. 1,240,853; Sept. 25; v. 242; p. 771.
- Jack, Clarence E., Louviere, Colo., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Cartridge-loading machine. No. 1,229,467; June 12; v. 239; p. 417.
- Jack, Matthew W. (See Doty, William D., assignor.)
- Jack, Robert K., Nutley, N. J. Strainer device. No. 1,220,231; Mar. 27; v. 236; p. 920.
- Jack, Robert K., Nutley, N. J. Duplex centrifugal pump. No. 1,229,274; June 12; v. 239; p. 352.
- Jacker, Richard J. (See Bersbach, Emil, assignor.)
- Jackline, Morley P., Atchison, Kans. Vehicle lifting-jack. No. 1,217,001; Feb. 20; v. 235; p. 972.
- Jackman, Charles W. (See Jackman, Miles M. and C. W.)
- Jackman, George C. (See McPhee and Jackman.)
- Jackman, George C., Spokane, Wash. Convertible auto-body. No. 1,247,840; Nov. 27; v. 244; p. 896.
- Jackman, Miles M. and C. W., Waterloo, Ind. Rotary engine. No. 1,239,694; Sept. 11; v. 242; p. 340.
- Jackman, Sanford J., Santa Ana, Cal. Vehicle direction-indicator. No. 1,233,479; July 17; v. 240; p. 709.
- Jackson, Albert C., Dayton, Ohio, assignor to L. R. Lenich, Union City, Ind. Flush-valve for water-closets. No. 1,217,183; Feb. 27; v. 235; p. 1078.
- Jackson, Benjamin F., Versailles, Ind. Wave-gravity pump. No. 1,250,315; Dec. 18; v. 245; p. 617.
- Jackson, Benton H., Dayton, Wash. Means for dropping projectiles from aerial crafts. No. 1,242,553; Oct. 9; v. 243; p. 385.
- Jackson, Bert B. (See Richardson and Jackson.)
- Jackson, Carl J., Superior, Wis. Screen attachment for windows. No. 1,234,034; July 17; v. 240; p. 887.
- Jackson, Charles C., Akron, Ohio. Wind-wheel. No. 1,225,033; May 8; v. 238; p. 873.
- Jackson, Charles W., Chicago, Ill. Screen. No. 1,220,232; Mar. 27; v. 236; p. 920.
- Jackson, Charles W., Leavenworth, Kans. Railway-crossing. No. 1,247,537; Nov. 20; v. 244; p. 773.
- Jackson, Clarence S., Brooklyn, assignor to Bayer-Stroud Corporation, New York, N. Y. Window-display. No. 1,214,546; Feb. 6; v. 235; p. 22.
- Jackson Cushion Spring Company. (See Venn, John G., assignor.)
- Jackson, Dugald C. (See Jackson, William B., assignor.)
- Jackson, E. Hilton, *et al.*, trustees. (See Cahill, Thaddeus, assignor.)
- Jackson, Earnest L., assignor of six-tenths to R. C. Deigman, Columbus, Ga. Attachment for speeder stop-motions. No. 1,222,405; Apr. 10; v. 237; p. 523.
- Jackson, Edith I., *et al.* (See Holden, John E., assignor.)
- Jackson, Elizabeth M., Toledo, Ohio. Pattern-making instrument. No. 1,241,121; Sept. 25; v. 242; p. 853.
- Jackson, Elmer H., Seattle, Wash. Dough-mixing apparatus. No. 1,241,390; Sept. 25; v. 242; p. 939.
- Jackson, Fay. (See Sanford and Jackson.)
- Jackson, Forest, Yetter, Iowa. Toothpick-holder. No. 1,212,357; Jan. 16; v. 234; p. 747.
- Jackson, Frank, Chicago, Ill. Skinning-tool. No. 1,239,489; Sept. 11; v. 242; p. 273.
- Jackson, Francis B., Tulsa, Okla. Lightning-protective attachment for oil-tanks and other structures. No. 1,251,037; Dec. 25; v. 245; p. 883.
- Jackson, George, Jr., Hoboken, N. J. Signal apparatus. No. 1,221,538; Apr. 3; v. 237; p. 189.
- Jackson, George W., Belleville, Ill. Mold. No. 1,248,125; Nov. 27; v. 244; p. 974.
- Jackson, Gilbert, New York, N. Y. Bottle-valve. No. 1,220,749; Mar. 27; v. 236; p. 1101.
- Jackson, Henry O. (See Bridenbaugh, Elmer H., assignor.)
- Jackson, Henry O., Denver, Colo. Oscillating pressure-blower. No. 1,243,299; Oct. 16; v. 243; p. 653.
- Jackson, Horatio N., Burlington, Vt. Receptacle. No. 1,217,948; Mar. 6; v. 236; p. 22.
- Jackson, Irl E., Casa, Ark. Permutation tire-lock. No. 1,240,146; Sept. 11; v. 242; p. 478.
- Jackson, James D., Sydney, New South Wales, Australia. Continuous-flow water-heater. No. 1,230,167; June 19; v. 239; p. 686.
- Jackson, Jesse. (See Louth and Jackson.)
- Jackson, Jesse, assignor to The Globe Stove & Range Company, Kokomo, Ind. Door construction for heat-insulated chambers. No. 1,234,669; July 24; v. 240; p. 1127.
- Jackson, Jesse, Kokomo, Ind., assignor to Globe Stove & Range Company, Kokomo, Mich. Thermostatic trip-switch device. No. 1,238,776; Sept. 4; v. 242; p. 17.
- Jackson, John L., *et al.* (See Graham, Leslie B., assignor.)
- Jackson, John R., San Francisco, assignor to A. G. Burns, Alameda, Cal. Automobile-lock. No. 1,223,052; Apr. 17; v. 237; p. 789.
- Jackson, Joseph H., Birmingham, Ala. Rotary steam-engine. No. 1,217,768; Feb. 27; v. 235; p. 1282.
- Jackson, Joseph M., *et al.* (See Turner, Frank A., assignor.)
- Jackson, Joseph R., and F. H. Davis, assignors, by mesne assignments, to W. H. Thompson, Memphis, Tenn. Time-service-controlling mechanism. No. 1,220,340; Mar. 27; v. 236; p. 960.
- Jackson, Joseph R., and F. H. Davis, assignors, by mesne assignments, to W. H. Thompson, Memphis, Tenn. Make-and-break controlling device. No. 1,220,341; Mar. 27; v. 236; p. 961.
- Jackson, Joseph W., Anderson, Ind., assignor to New Era Spring & Specialty Company, Detroit, Mich. Tire-carrier. No. 1,238,296; Aug. 28; v. 241; p. 994.
- Jackson, Joshua G., Buffalo, N. Y. Flying-machine. No. 1,247,685; Nov. 27; v. 244; p. 849.
- Jackson, Lewis R., assignor to J. S. Schofield's Sons Company, Macon, Ga. Drier. No. 1,220,130; Mar. 20; v. 236; p. 850.
- Jackson, Louis L., assignor of one-half to O. C. Horney, New York, N. Y. Producing fertilizers from silicates. No. 1,232,553; July 10; v. 240; p. 371.
- Jackson, Louis L., assignor of one-half to O. C. Horney, New York, N. Y. Decomposing silicates. No. 1,233,273; July 10; v. 240; p. 604.
- Jackson, Louis P., Schenectady, N. Y. Sound-reproducing machine. No. 1,232,924; July 10; v. 240; p. 493.
- Jackson, Lowder D., Philadelphia, Pa. Moisture-supplying device for gas-engines. No. 1,223,980; Apr. 24; v. 237; p. 1143.
- Jackson, Lucian C., Buffalo, N. Y. Means for controlling explosive-engines. No. 1,244,737; Oct. 30; v. 243; p. 1162.
- Jackson, Maxey, Toppenish, Wash. Railway-switch. No. 1,225,635; May 8; v. 238; p. 577.
- Jackson, Patrick T., Jr. (See Howard, Charles H., assignor.)
- Jackson, Patrick T., Jr., Cambridge, Mass. Torpedo-guard for vessels. No. 1,247,686; Nov. 27; v. 244; p. 849.
- Jackson, Ralph G., Chester, assignor to The Congoleum Company, Philadelphia, Pa. Block-printing machine. No. 1,241,391; Sept. 25; v. 242; p. 940.
- Jackson, Ray P., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Lighting-arrester. No. 1,215,540; Feb. 13; v. 235; p. 404.
- Jackson, Ray P., Edgewood, Pa., assignor to Westinghouse Electric and Manufacturing Company. Lighting-arrester. No. 1,217,452; Feb. 27; v. 235; p. 1172.
- Jackson, Ray P., Edgewood, Pa., assignor to Westinghouse Electric and Manufacturing Company. Static protective device. No. 1,217,453; Feb. 27; v. 235; p. 1172.
- Jackson, Ray P., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Protective means for an electrical distributing system. No. 1,224,172; May 1; v. 238; p. 20.
- Jackson, Ray P., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Vapor electric apparatus. No. 1,248,497; Dec. 4; v. 245; p. 20.
- Jackson, Ray P., Edgewood Park, and W. Schaafe, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Suspension device for insulators. No. 1,248,498; Dec. 4; v. 245; p. 20.
- Jackson, Raymond O., St. Louis, Mo., assignor, by mesne assignments, to Metallurgical Laboratories, Incorporated, Chicago, Ill. Electrode-holder. No. 1,242,554; Oct. 9; v. 243; p. 385.
- Jackson Rim Company *et al.* (See Harbridge, Chester C., assignor.)
- Jackson Rim Company *et al.* (See Mott, Otis W., assignor.)
- Jackson, Robert, Homer, La. Dike. No. 1,248,660; Dec. 4; v. 245; p. 69.
- Jackson, Robert J., assignor of one-half to W. H. Jenkins, Philadelphia, Pa. Circuit-closing push-button. No. 1,227,270; May 22; v. 238; p. 1210.
- Jackson, Samuel B., Quincy, Mass. Fastener. No. 1,251,380; Dec. 25; v. 245; p. 983.
- Jackson, Samuel D., Lumpkin, Ga. Sewing appliance. No. 1,229,963; June 12; v. 239; p. 582.
- Jackson, Samuel W., Chicago, Ill. Ventilator. No. 1,233,362; July 17; v. 240; p. 669.
- Jackson, Simeon S., Boston, assignor to The Stafford Company, Readville, Mass. Friction let-off mechanism for looms. No. 1,236,374; Aug. 7; v. 241; p. 268.
- Jackson, Simeon S., assignor to The Stafford Company, Boston, Mass. Warp stop-motion for looms. No. 1,239,792; Sept. 11; v. 242; p. 370.
- Jackson, Simeon S., Boston, assignor to The Stafford Company, Readville, Mass. Feeler device for looms. No. 1,248,865; Dec. 4; v. 245; p. 130.
- Jackson, Thaddeus A., Brooklyn, N. Y. Can-surface presser and evenner. No. 1,212,489; Jan. 16; v. 234; p. 792.
- Jackson, United S., Copperfield, Ore. Window-lock. No. 1,242,943; Oct. 16; v. 243; p. 544.
- Jackson, Van Buren, Pedro Miguel, Canal Zone, assignor to San Diego Consolidated Gas and Electric Co., San Diego, Cal. Lineman's device. No. 1,223,791; Apr. 24; v. 237; p. 1080.
- Jackson, Walter B., assignor of one-third to H. F. Smith and one-third to C. H. Aukett, Philadelphia, Pa. Speed-changing mechanism. No. 1,237,910; Aug. 21; v. 241; p. 834.
- Jackson, Walter S., Waterville, Me. Steam-heating boiler. No. 1,236,306; Aug. 7; v. 241; p. 248.
- Jackson, Wilber. (See Kennedy, Charles W., assignor.)
- Jackson, Willard G., Rockford, Ill. Spark-plug. No. 1,244,091; Oct. 23; v. 243; p. 928.

- Jackson, William B., assignor of one-half to D. C. Jackson, Chicago, Ill. Synchronizing device. No. 1,222,547; Apr. 10; v. 237; p. 574.
- Jackson, William H., Sterling, Kans. Mouse and rat trap. No. 1,218,406; Mar. 6; v. 236; p. 180.
- Jackson, William P., Oakland, Cal., assignor to General Electric Company. Motor-control system. No. 1,216,126; Feb. 13; v. 235; p. 618.
- Jackson, William W., Brooklyn, N. Y. Chute. No. 1,244,501; Oct. 30; v. 243; p. 1089.
- Jackson, William W., Jr. (See Elrod, General L., assignor.)
- Jacob, Max, Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Slip printing and feeding mechanism for accounting-machines. No. 1,238,777; Sept. 4; v. 242; p. 17.
- Jacob, Max, Berlin, Germany, assignor to The National Cash Register Company, Dayton, Ohio. Accounting-machine. No. 1,240,218; Sept. 18; v. 242; p. 542.
- Jacob, Thomas, Twin Bridges, Mont. Trap-setting device. No. 1,238,679; Aug. 28; v. 241; p. 1115.
- Jacobs, Albert W., Yutan, Nebr. Tractor. No. 1,221,739; Apr. 3; v. 237; p. 253.
- Jacobs, Albert W., assignor to Star Headlight & Lantern Co., Rochester, N. Y. Lantern for projection apparatus. No. 1,247,841; Nov. 27; v. 244; p. 896.
- Jacobs, Arthur E., Cleveland, Ohio. Toy cash-register. No. 1,227,054; May 22; v. 238; p. 1137.
- Jacobs Bros. (See Powers, Timothy B., assignor.)
- Jacobs Bros. Co., The. (See Powers, Timothy B., assignor.)
- Jacobs, Charles B., Glen Ridge, N. J., assignor, to American Abrasive Metals Company, New York, N. Y. Making metal castings. No. 1,249,101; Dec. 4; v. 245; p. 194.
- Jacobs, Charles D. (See Trotman, Walter K., assignor.)
- Jacobs, Edwin C., Norwalk, Ohio. Device for the study of common fractions. No. 1,224,748; May 1; v. 238; p. 225.
- Jacobs, Elmer J., *et al.* (See Everson, Ervin E., assignor.)
- Jacobs, Ernest H., Schenectady, N. Y., assignor to General Electric Company. Electric switch. No. 1,231,367; June 26; v. 239; p. 1126.
- Jacobs, Ernest H., Schenectady, N. Y., assignor to General Electric Company. Relay. No. 1,236,177; Aug. 7; v. 241; p. 208.
- Jacobs, Ernest H., Schenectady, N. Y., assignor to General Electric Company. Time-limit relay. No. 1,240,723; Sept. 18; v. 242; p. 697.
- Jacobs, George, Roswell, N. Mex., assignor to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,214,681; Feb. 6; v. 235; p. 70.
- Jacobs, George R. (See Spadt and Jacobs.)
- Jacobs, George S., Pontiac, Mich., assignor to The Geneva Tractor Company, Geneva, Ohio. Tractor attachment for automobiles. No. 1,243,414; Oct. 16; v. 243; p. 686.
- Jacobs, Gerald, Dolgeville, N. Y. Producing stencils for decorating fabrics. No. 1,220,850; Mar. 27; v. 236; p. 1137.
- Jacobs, Hannah and H., Brooklyn, N. Y. Hair drying and straightening comb. No. 1,217,454; Feb. 27; v. 235; p. 1173.
- Jacobs, Hannah and H., New York, N. Y. Hair waving and curling device. No. 1,233,060; July 10; v. 240; p. 536.
- Jacobs, Hannah and H., New York, N. Y. Hair waving and drying apparatus. No. 1,245,157; Nov. 6; v. 244; p. 5.
- Jacobs, Harry. (See Jacobs, Hannah and H.)
- Jacobs, Henry W., Topeka, Kans. Removable fire-box. No. 1,216,127; Feb. 13; v. 235; p. 618.
- Jacobs, Henry W., Topeka, Kans., and E. D. Levy, Springfield, Mo. Car. No. 1,221,740; Apr. 3; v. 237; p. 255.
- Jacobs, Henry W., and R. Emerson, Topeka, Kans. Aeroplane. No. 1,245,724; Nov. 6; v. 244; p. 176.
- Jacobs, Jacques, Maastricht, Netherlands. Paint and making same. No. 1,226,889; May 22; v. 238; p. 1080.
- Jacobs, Joseph, New York, N. Y., assignor to The Live Leather Belt Company. Apparatus for making an elastic body-belt web. No. 1,242,698; Oct. 9; v. 243; p. 432.
- Jacobs, Learcus H., Bunn, Ark. Fish-hook. No. 1,217,769; Feb. 27; v. 235; p. 1283.
- Jacobs, Luman W., Tolland, Conn. Miter-box. No. 1,248,866; Dec. 4; v. 245; p. 131.
- Jacobs, Morris L. (See Herter, Peter J., assignor.)
- Jacobs, Siegmund, assignor of one-third to C. Petrasek, Cicero, Ill. Liquid coating composition. No. 1,229,964; June 12; v. 239; p. 582.
- Jacobs, William H., Washington, Conn., assignor, by mesne assignments, to Lock-Tite Envelope Corporation, New York, N. Y. Making envelopes and the like. No. 1,213,769; Jan. 23; v. 234; p. 1270.
- Jacobsen, Arthur G. J., and A. Blaser, Jersey City, N. J. Clothes-line support. No. 1,232,317; July 3; v. 240; p. 261.
- Jacobson, Albert E., New York, N. Y. Photographically-sensitized medium. No. 1,219,739; Mar. 20; v. 236; p. 710.
- Jacobson, Allan F., New York, N. Y. Device for regulating the speed of trains. No. 1,249,761; Dec. 11; v. 245; p. 416.
- Jacobson, Edward B., assignor to J and B Manufacturing Company, Pittsfield, Mass. Ignition-timer. No. 1,213,495; Jan. 23; v. 234; p. 1178.
- Jacobson, Edward B., Pittsfield, assignor to Hendee Manufacturing Company, Springfield, Mass. Charging secondary batteries. No. 1,227,149; May 22; v. 238; p. 1170.
- Jacobson, Edward B., Pittsfield, assignor to Hendee Manufacturing Company, Springfield, Mass. Dynamo-electric machine. No. 1,235,803; Aug. 7; v. 241; p. 89.
- Jacobson, Hans M., Waterford, Wis. Horse-releaser. No. 1,221,056; Apr. 3; v. 237; p. 18.
- Jacobson, Hilding L., *et al.* (See Slert, John H., assignor.)
- Jacobson, Jacob W., Hancock, Mich. Soap-dispenser. No. 1,223,172; Apr. 17; v. 237; p. 831.
- Jacobucci, Raphael, Fall River, Mass. Can-opener. No. 1,214,682; Feb. 6; v. 235; p. 71.
- Jacobucci, Raphael, assignor of one-half to J. A. Grouke, Jr., Fall River, Mass. Multicolor-printing machine. No. 1,240,159; Sept. 11; v. 242; p. 483.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-boiler economizer. No. 1,219,320; Mar. 13; v. 236; p. 534.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-boiler economizer. No. 1,219,321; Mar. 13; v. 236; p. 535.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Regulating the temperature of superheated steam. No. 1,231,894; July 3; v. 240; p. 121.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Apparatus for regulating the temperature of superheated steam. No. 1,231,895; July 3; v. 240; p. 121.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-boiler. No. 1,231,896; July 3; v. 240; p. 121.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Thermostat. No. 1,233,480; July 17; v. 240; p. 709.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Furnace. No. 1,248,661; Dec. 4; v. 245; p. 69.
- Jacobus, David S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-boiler. No. 1,250,181; Dec. 18; v. 245; p. 577.
- Jacoby, Benjamin. (See King, Jacoby, and Johnson.)
- Jacoby, Leo D. (See Frankland, Alexander J., assignor.)
- Jacoby, Leo D., assignor to The Sanispoon Company, Boston, Mass. Machine for cutting and forming spoons from sheet material. No. 1,241,517; Oct. 2; v. 243; p. 14.
- Jacoby, Sellmar N. (See Dunner, Julius, assignor.)
- Jacoby, William, assignor to Automatic Tool Supply Co., Sioux Falls, S. D. Wrench. No. 1,243,300; Oct. 16; v. 243; p. 654.
- Jacocks, George T., Pottstown, Pa. Forging-die. No. 1,213,878; Jan. 30; v. 234; p. 1339.
- Jacomini, Marius P., assignor to General Briquetting Company, Chicago, Ill. Apparatus for exerting pressures and impacts and method of operating the same. No. 1,230,486; June 19; v. 239; p. 792.
- Jacquart, Bernard, South River, N. J. Manufacturing enameled bricks. No. 1,214,793; Feb. 6; v. 235; p. 108.
- Jacquelin, Emile, *et al.* (See Chassaing, Eugene, assignor.)
- Jacquemin, Henri. (See Leduc and Jacquemin.)
- Jacqueroed, Paul C., West New York, N. J. Mechanical eye. No. 1,233,242; July 10; v. 240; p. 594.
- Jacques, Charles A., New York, N. Y. Chiming-clock. No. 1,220,851; Mar. 27; v. 236; p. 1137.
- Jacques, George L., Neillsville, Wis. Skee-skate. No. 1,222,767; Apr. 17; v. 237; p. 692.
- Jacques, George L., Neillsville, Wis. Skee-skate. No. 1,223,882; Apr. 24; v. 237; p. 1111.
- Jacques, Lester E., McCook, Nebr. Horse-detacher. No. 1,215,541; Feb. 13; v. 235; p. 404.
- Jaderstrom, Charles D. (See Carlson, Underwood, and Jaderstrom.)
- Jaeger, Christian, assignor to Plastic Art Novelty and Specialty Co., New York, N. Y. Imitation food or other article and making the same. No. 1,212,066; Jan. 9; v. 234; p. 614.
- Jaeger, Gebhard, Columbus, Ohio. Means for supplying water to concrete-mixers. No. 1,241,518; Oct. 2; v. 243; p. 15.
- Jaeger, Gebhard, Columbus, Ohio. Concrete-distributing apparatus. No. 1,248,662; Dec. 4; v. 245; p. 69.
- Jaeger, Henry A. (See Bailey, Joseph, assignor.)
- Jaeger, Otto, Norristown, Pa. Coin-controlled device. No. 1,227,150; May 22; v. 238; p. 1171.
- Jaegge, Otto, Glendale, assignor to Peerless Silk Mills Inc., New York, N. Y. Binding for shoe-tops. No. 1,217,002; Feb. 20; v. 235; p. 972.
- Jaenichen, Louis, assignor to The Standard Computing Scale Company, Detroit, Mich. Scale. No. 1,228,927; June 5; v. 239; p. 187.
- Jaenichen, Louis, assignor to The Standard Computing Scale Company, Detroit, Mich. Thermostat for scales. No. 1,231,026; June 26; v. 239; p. 1012.
- Jaenichen, Louis, assignor to The Standard Computing Scale Company, Detroit, Mich. Scale. No. 1,240,219; Sept. 18; v. 242; p. 542.
- Jagenberg, Emil, Dusseldorf, Germany. Machine for pasting sheets on boxes and parcels. No. 1,235,690; Aug. 7; v. 241; p. 51.

Alphabetical list of patentees—Continued.

- Jagenberg, Emil, Dusseldorf, Germany. Machine for notching paper strips. No. 1,235,691; Aug. 7; v. 241; p. 52.
- Jagerspacher, Carl. (See Engi and Jagerspacher.)
- Jagerspacher, Carl. (See Funcke and Jagerspacher.)
- Jagerspacher, Carl. (See Wuth and Jagerspacher.)
- Jagerspacher, Carl. (See Wuth, Mayer, Jagerspacher, and Anderwert.)
- Jagerspacher, Carl, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Orange to red dyestuffs able to be chromated and making same. No. 1,210,808; Jan. 2; v. 234; p. 148.
- Jagerspacher, Carl, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Metal compounds of orthoxyazo dyestuffs and making same. No. 1,216,813; Feb. 20; v. 235; p. 908.
- Jagerspacher, Carl, and B. Wuth, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Copper compounds of orthoxyazo dyestuffs and making same. No. 1,216,812; Feb. 20; v. 235; p. 908.
- Jaggard, John, Collingswood, N. J. Autocycle attachment. No. 1,231,163; June 26; v. 239; p. 1059.
- Jahl, Anton, Linz, Germany. Making pure, highly-concentrated hydrogen peroxid from the peroxid of an alkaline earth. No. 1,210,651; Jan. 2; v. 234; p. 96.
- Jahn, August H., Pittsburgh, Pa. Cut-out for gas-engines. No. 1,226,974; May 22; v. 238; p. 1111.
- Jahn, Berthold. (See Cogswell, Jahn, and Kahl.)
- Jahn, Berthold, assignor to The B. Jahn Manufacturing Company, New Britain, Conn. Turn-button. No. 1,213,496; Jan. 23; v. 234; p. 1178.
- Jahn, Berthold, assignor to The B. Jahn Manufacturing Company, New Britain, Conn. Cup-dispenser. No. 1,226,772; May 22; v. 238; p. 1041.
- Jahn, Berthold, New Britain, and J. C. Hammer, Hartford, assignors to The B. Jahn Manufacturing Company, New Britain, Conn. Telephone-directory holder. No. 1,224,467; May 1; v. 238; p. 127.
- Jahn, Frederick G., Brooklyn, N. Y., assignor to International Postal Supply Company. Paper-feeding register. No. 1,232,318; July 3; v. 240; p. 261.
- Jahn, Frederick G., Brooklyn, N. Y., assignor to International Postal Supply Company. Transfer or coupon collector and counter. No. 1,232,319; July 3; v. 240; p. 261.
- Jahn, Frederick L., assignor to Watson and McDaniel Company, Philadelphia, Pa. Pressure-regulating valve. No. 1,245,725; Nov. 6; v. 244; p. 176.
- Jahnke, Charles B. (See Hobart and Jahnke.)
- Jahns, William H., O. A. Knox, and P. A. Wilcox, Los Angeles, Cal. Valve-lock. No. 1,231,164; June 26; v. 239; p. 1060.
- Jakab, Mike, Woodland, Me. Animal-trap. No. 1,222,406; Apr. 10; v. 237; p. 524.
- Jakab, Mike, Woodland, Me. Automatic stuff-box for paper-making machines. No. 1,251,381; Dec. 25; v. 245; p. 983.
- Jakab, Mike, assignor of one-third to J. Stopolovskii and one-third to Michael Drotar, Woodland, Me. Combined garment stretcher and hanger. No. 1,243,741; Oct. 23; v. 243; p. 822.
- Jakeway, Bernard, Harrison, Mich. Trace. No. 1,231,547; June 26; v. 239; p. 1184.
- Jakob, Hans, Ebenhausen, assignor to Selwig & Lange, Brunswick, Germany. Washing device for gun-cotton and similar products. No. 1,211,450; Jan. 9; v. 234; p. 402.
- Jakway, William H., Syracuse, N. Y. Vacuum cleaning apparatus. (Reissue.) No. 14,246; Jan. 9; v. 234; p. 650.
- James, Arthur P., assignor to H. W. Roundtree & Brother Trunk and Bag Co., Richmond, Va. Wardrobe-trunk-drawer-locking device. No. 1,240,043; Sept. 11; v. 242; p. 449.
- James, Bartlett B. (See Roth and James.)
- James, Bertie R., assignor of one-fourth to W. C. Daniel, one-fourth to G. F. Watson, Carter, and one-fourth to C. F. Cornels, Sayre, Okla. Fuel-vaporizer for internal-combustion engines. No. 1,215,027; Feb. 6; v. 235; p. 193.
- James, Campbell E., Frankfort, Ky. Adding-machine. No. 1,244,335; Oct. 23; v. 243; p. 1002.
- James, Edward, Cleveland, Ohio. Manufacture of flexible metal tubing. No. 1,243,179; Oct. 16; v. 243; p. 617.
- James Ferry & Sons. (See Ferry, John M., assignor.)
- James, Frederick A., Cleveland, Ohio. Rotary cleaning device. No. 1,236,307; Aug. 7; v. 241; p. 249.
- James, George A., assignor, by mesne assignments, of one-half to J. H. Ailing and one-half to F. M. Wright, San Francisco, Cal. Apparatus for electrolytically recovering metals. No. 1,233,363; July 17; v. 240; p. 669.
- James H. Boye Manufacturing Company. (See Boye, James H., assignor.)
- James H. Mann Company. (See Alexander, Elmer P., assignor.)
- James H. Matthews & Company. (See Escher and Nagy, assignors.)
- James, Henry D., Wilksburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of pump control. No. 1,231,613; July 3; v. 240; p. 25.
- James, Henry D., Wilksburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,232,925; July 10; v. 240; p. 493.
- James, Henry D., Wilksburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Relay. No. 1,235,033; July 31; v. 240; p. 1276.
- James Howden & Company. (See Hume, James H., assignor.)
- James Hunter Machine Company, The. (See Kevlin, Matthew F., assignor.)
- James, Isaac, Scranton, Pa. Spring-tire. No. 1,232,320; July 3; v. 240; p. 262.
- James, John, assignor to The James Manufacturing Company, Fort Atkinson, Wis. Stanchion. No. 1,211,586; Jan. 9; v. 234; p. 448.
- James L. Howard & Company. (See Brinckerhoff, Frank M., assignor.)
- James L. Howard & Company. (See Brinckerhoff, Frank M., assignor.) (Reissue.)
- James L. Morrison Machine Co. (See Ramsey, Clifford H., assignor.)
- James, Lawrence F. and R. F., New York, N. Y. Portable electric lamp. No. 1,223,883; Apr. 24; v. 237; p. 1111.
- James, Lewis A., Elk City, Kans. Nut-lock. No. 1,218,184; Mar. 6; v. 236; p. 103.
- James, Lynwood B., Washington, D. C. Ink-well. No. 1,218,663; Mar. 13; v. 236; p. 306.
- James Manufacturing Company, The. (See James, John, assignor.)
- James Manufacturing Company. (See James, William D., assignor.)
- James Manufacturing Company. (See Olson, John, assignor.)
- James, Merrill L., San Francisco, Cal. Indicator. No. 1,216,456; Feb. 20; v. 235; p. 785.
- James, Orvett B., Kent, Iowa. End-gate for wagons. No. 1,247,538; Nov. 20; v. 244; p. 773.
- James, Perry C., Sciota, Ill. Hinge. No. 1,222,294; Apr. 10; v. 237; p. 483.
- James, Perry C., Sciota, assignor to G. C. Bayne, Bushnell, Ill. Hinge. No. 1,216,573; Feb. 20; v. 235; p. 827.
- James, Perry C., Sciota, assignor to G. C. Bayne, Bushnell, Ill. Hog-door and gate. No. 1,217,770; Feb. 27; v. 235; p. 1283.
- James, Perry C., Sciota, assignor to G. C. Bayne, Bushnell, Ill. Hog door and gate. No. 1,220,630; Mar. 27; v. 236; p. 1063.
- James, Richard F. (See James, Lawrence F. and R. F.)
- James S. Kirk & Company. (See Becker and Ciesla, assignors.)
- James, Thomas, Jr., Philadelphia, Pa. Locomotive valve-gear. No. 1,226,523; May 15; v. 238; p. 919.
- James, Thomas C., Chicago, Ill. Solution for waterproofing fabrics. No. 1,240,345; Sept. 18; v. 242; p. 581.
- James, Thomas L., Higher Tranmere, and W. H. Beeson, Rock Ferry, England. Grain-sampler. No. 1,229,273; June 12; v. 239; p. 352.
- James, William A., Cowbridge, Wales. Means for steering a side car attached to a motor-cycle. No. 1,223,173; Apr. 17; v. 237; p. 831.
- James, William A., Woonsocket, R. I. Milling-cutter. No. 1,245,726; Nov. 6; v. 244; p. 176.
- James, William D., assignor to James Manufacturing Company, Fort Atkinson, Wis. Track-support for litter-carriers. No. 1,250,182; Dec. 18; v. 245; p. 578.
- James, William E. (See Clayton, William F., assignor.)
- James, William E., Prichard, Ala. Ice-box. No. 1,227,443; May 22; v. 238; p. 1264.
- James, William E., Prichard, Ala. Ice-box. No. 1,234,766; July 31; v. 240; p. 1192.
- James, William T., Chicago, Ill. Chain. No. 1,235,321; July 31; v. 240; p. 1362.
- James, William T., Chicago, Ill. Conveyer. No. 1,239,490; Sept. 11; v. 242; p. 274.
- Jameson, Charles S., Swampscott, assignor of one-half to H. L. Watson, Lynn, Mass. Signal for use with vehicles. No. 1,236,566; Aug. 14; v. 241; p. 366.
- Jameson, Charles V., Chicago, Ill. Pneumatic device for player-pianos. No. 1,219,104; Mar. 13; v. 236; p. 460.
- Jameson, Charles V., Chicago, Ill. Detachable pneumatic for player-pianos. No. 1,219,105; Mar. 13; v. 236; p. 461.
- Jamestown Curtain Rod Company. (See Sprinchorn, Ulrich, assignor.)
- Jamieson, Bertrand G., assignor of one-half to H. J. Richardson, Chicago, Ill. Switch mechanism. No. 1,247,842; Nov. 27; v. 244; p. 896.
- Jamieson, Henry, Gillespie, Ill. Switch apparatus. No. 1,244,738; Oct. 30; v. 243; p. 1162.
- Jamieson, Robert, Hopedale, Mass., assignor, by mesne assignments, to Draper Corporation, Portland, Me. Thread tension for loom-shuttles. No. 1,212,358; Jan. 16; v. 234; p. 747.
- Jamieson, William, Terre Haute, Ind. Table. No. 1,245,727; Nov. 6; v. 244; p. 177.
- Jammet, Auguste, San Mateo, Cal. Illuminated advertising vehicle-roof. No. 1,232,037; July 3; v. 240; p. 169.
- Jamison, John, Lafayette, Colo. Resilient wheel. No. 1,251,382; Dec. 25; v. 245; p. 983.
- Jamison, William J., Chicago, Ill. Bait. No. 1,232,804; July 10; v. 240; p. 454.
- Jamback, John N., and S. Saari, assignors to United States Horse Collar Co., Fitchburg, Mass. Metal horse-collar. No. 1,234,902; July 31; v. 240; p. 1234.

- Jander, Henry, Brooklyn, N. Y. Baking-oven. No. 1,244,502; Oct. 30; v. 243; p. 1090.
- Jandron, Wilfred J., St. Paul, Minn. Soda-straw holder. No. 1,215,937; Feb. 13; v. 235; p. 548.
- Janes, Alonzo, Beltnre, Ark. Lock. No. 1,228,445; June 5; v. 239; p. 24.
- Janes, Bert S. (See Luce and Janes.)
- Janes, Jessie, Bellevue, Ky., assignor of one-half to C. R. Hall, Cincinnati, Ohio. Dust-collector. No. 1,228,561; June 5; v. 239; p. 64.
- Janes, Lloyd, Carland, Mich. Tractor for farm machinery. No. 1,242,555; Oct. 9; v. 243; p. 386.
- Janes, Ralph R., Brooklyn, N. Y., assignor to Standard Knitting Mills Company. Closed-crotch underwear. No. 1,226,773; May 22; v. 238; p. 1041.
- Janes, Ralph R., Brooklyn, N. Y., assignor to Standard Knitting Mills Company. Undergarment. No. 1,250,464; Dec. 18; v. 245; p. 662.
- Janes, Robert T., Comanche, Tex. Folding crate. No. 1,227,798; May 29; v. 238; p. 1414.
- Janesville Machine Company, The. (See Krotz, Alvaro S., assignor.)
- Janisch, John L., Chicago, Ill. Concrete-form. No. 1,217,003; Feb. 20; v. 235; p. 972.
- Janish, Joseph, Jr., Baltimore, Md. Tube-compressor. No. 1,238,521; Aug. 28; v. 241; p. 1067.
- Jannelle, J. A. (See Jannelle, Joseph R., assignor.)
- Jannelle, Joseph R., Montreal, Quebec, Canada, assignor of one-half to J. A. Jannelle. Tread-chain connector. No. 1,232,554; July 10; v. 240; p. 371.
- Janney, Reynold, New York, N. Y. Controlling apparatus for fluid-gears. No. 1,220,424; Mar. 27; v. 236; p. 989.
- Janney, Reynold, New York, N. Y. Cooling and work table. No. 1,249,102; Dec. 4; v. 245; p. 195.
- Janney, Robert E. L., Chicago, Ill., assignor to American Steel Foundries, New York, N. Y. Guard-arm for couplings. No. 1,223,491; Apr. 24; v. 237; p. 972.
- Janofsky, Max, assignor to Winner Manufacturing Co., Incorporated, Washington, D. C. Junction-box connector. No. 1,246,102; Nov. 13; v. 244; p. 316.
- Jans, Gottlieb, Walsh, Alberta, Canada. Rail-joint. No. 1,213,497; Jan. 23; v. 234; p. 1178.
- Jansa, Anton, assignor of one-half to J. Por, Cleveland, Ohio. Rail-joint. No. 1,227,625; May 29; v. 238; p. 1356.
- Janse, Leendert, The Hague, Netherlands. Sliding door. No. 1,232,697; Apr. 24; v. 237; p. 1047.
- Jansky, John, Ganado, Tex. Attachment for stalk-cutters. No. 1,249,103; Dec. 4; v. 245; p. 195.
- Jantzen, Niels, Tacoma, Wash. Boat's rudder. No. 1,211,316; Jan. 2; v. 234; p. 323.
- Jautzer, Elsie A., Brooklyn, N. Y. Snap button or fastener. No. 1,225,818; May 15; v. 238; p. 682.
- Januchowsky, John, St. Louis, Mo. Closure for barrels. No. 1,242,352; Oct. 9; v. 243; p. 321.
- Janvier, Elie J. M., Paris, France. Purification of liquid and solid materials. No. 1,214,166; Jan. 30; v. 234; p. 1437.
- Jagues, Fernando O., Sr., Cranston, R. I. Anvil for micrometer-gages and similar gages. No. 1,223,325; Apr. 17; v. 237; p. 879.
- Jagues, Fernando O., Sr., Cranston, R. I. Micrometer-calipers. No. 1,235,478; July 31; v. 240; p. 1407.
- Jardine Manufacturing Corporation, The. (See Thomson, John S., assignor.)
- Jarecki, Frank J., Grand Rapids, Mich. Screw-press. No. 1,245,235; Nov. 6; v. 244; p. 28.
- Jargo, J. Elwin, deceased, Pasadena, Cal.; W. W. Benedict, administrator. Book-rest. No. 1,241,218; Sept. 25; v. 242; p. 884.
- Jarl, Emil. (See Robinson, D. Russell, assignor.)
- Jarmin, James B., Spokane, Wash., assignor of one-half to J. S. Beall, Portland, Ore. Attachment for telephones. No. 1,245,923; Nov. 6; v. 244; p. 236.
- Jaros, Ernest S., assignor to The United Demonstrating Machine Company, Columbus, Ohio. Advertising novelty. No. 1,239,013; Sept. 4; v. 242; p. 95.
- Jaros, Ernest S., assignor to The United Demonstrating Machine Company, Columbus, Ohio. Advertising device. No. 1,239,014; Sept. 4; v. 242; p. 95.
- Jarrell, James F., Longmont, Colo. Beet-seed cleaner. No. 1,235,479; July 31; v. 240; p. 1407.
- Jarrell, Thomas M., assignor of one-half to W. D. Simmons, High Point, N. C. Non-skid auto-chain. No. 1,226,890; May 22; v. 238; p. 1080.
- Jarvis, Dwight, *et al.* (See Morse, George O., assignor.)
- Jarvis, Herbert C., Renton, assignor to Seattle Car & Foundry Co., Seattle, Wash. Logging-car and bunk. No. 1,215,159; Feb. 6; v. 235; p. 235.
- Jarvis, Tom H., Huntington, W. Va. Grinding-machine. No. 1,233,670; July 17; v. 240; p. 772.
- Jascen, Josephine E., Oceanside, Cal. Mouse and rat trap. No. 1,228,324; May 29; v. 238; p. 1590.
- Jasper, Joseph H., Detroit, Mich. Calked sole. No. 1,246,929; Nov. 20; v. 244; p. 600.
- Jaszkul, John, Maspeth, N. Y. Metal barrel. No. 1,231,368; June 26; v. 239; p. 1127.
- Jauch, Albert, Chicago, Ill. Clutch. No. 1,241,631; Oct. 2; v. 243; p. 53.
- Jauss, Peter. (See Hazard, Henry T., assignor.) (Re-issue.)
- Jaume, Miguel, New York, N. Y. Water-seal pot. No. 1,223,174; Apr. 17; v. 237; p. 832.
- Jay, Claud N., Marlow, Okla. Automatic railway-gate. No. 1,244,336; Oct. 23; v. 243; p. 1002.
- Jay, Claud N., Marlow, Okla. Railway-gate. No. 1,247,405; Nov. 20; v. 244; p. 736.
- Jay, Herman W., Ainsworth, Nebr. Milling attachment for lathes. No. 1,217,949; Mar. 6; v. 236; p. 22.
- Jay, James W., Philadelphia, Pa. Weedless fish-hook. No. 1,215,938; Feb. 13; v. 235; p. 549.
- Jay, James W., Philadelphia, Pa. Means for attaching baits to lines. No. 1,226,891; May 22; v. 238; p. 1080.
- Jay, James W., Philadelphia, Pa. Fishing-fly holder. No. 1,231,165; June 26; v. 239; p. 1060.
- Jay, James W., Philadelphia, Pa. Minnow. No. 1,242,556; Oct. 9; v. 243; p. 386.
- Jay, Ollie M., *et al.* (See Stone, Oscar O., assignor.)
- Jay, Webb, Chicago, Ill. Liquid-fuel feeding device for internal-combustion engines. No. 1,218,085; Mar. 6; v. 236; p. 68.
- Jay, Webb, Chicago, Ill. Device for withdrawing and separating the liquid contents of the crank-case of an internal-combustion engine. No. 1,235,898; Aug. 7; v. 241; p. 121.
- Jay, Webb, Chicago, Ill. Liquid-feeding apparatus. (Re-issue.) No. 1,435,333; Sept. 11; v. 242; p. 487.
- Jay, Webb, Chicago, Ill. Liquid-elevating apparatus. No. 1,244,052; Oct. 23; v. 243; p. 917.
- Jay, Webb, Chicago, Ill. Suction-operated liquid-feed device. No. 1,244,092; Oct. 23; v. 243; p. 929.
- Jaynes, Alfonso L., Chicago, Ill., assignor to Safety on Sea Company. Life-preserver. No. 1,243,415; Oct. 16; v. 243; p. 686.
- Jeannetaud, Joseph, Dubuque, Iowa. Garment-pressing device. No. 1,232,555; July 10; v. 240; p. 371.
- Jeavons, William R., Cleveland, Ohio. Cooking device. No. 1,210,479; Jan. 2; v. 234; p. 35.
- Jeavons, William R., Cleveland, Ohio. Oil-stove. No. 1,218,777; Mar. 13; v. 236; p. 347.
- Jeavons, William R., and A. R. Whittaker, Cleveland, Ohio. Oven-door support. No. 1,210,480; Jan. 2; v. 234; p. 35.
- Jeavons, William R., and A. R. Whittaker, Cleveland, Ohio. Assembling-machine. No. 1,212,227; Jan. 16; v. 234; p. 699.
- Jeavons, William R., and A. R. Whittaker, Cleveland, Ohio. Oil-stove. No. 1,214,547; Feb. 6; v. 235; p. 23.
- Jeboult, Reginald C., Edmonds, British Columbia, Canada. Sunshade for pneumatic tires. No. 1,220,750; Mar. 27; v. 236; p. 1101.
- Jeckert, Joseph E., Garfield, N. J. Smoker's kit. No. 1,227,444; May 22; v. 238; p. 1264.
- Jedlicki, Henry. (See Katchmazenski, Frank X., assignor.)
- Jedlicka, Leo. (See Wild, Michael, assignor.)
- Jefferies, Ebenezer A. W., assignor to Morgan Construction Company, Worcester, Mass. Gas-producer. No. 1,240,220; Sept. 18; v. 242; p. 542.
- Jefferies, Ebenezer A. W., assignor to Morgan Construction Company, Worcester, Mass. Gas-producer. No. 1,251,038; Dec. 25; v. 245; p. 883.
- Jefferies, Ebenezer A. W., assignor to Morgan Construction Company, Worcester, Mass. Gas-producer. No. 1,251,039; Dec. 25; v. 245; p. 883.
- Jefferies, Samuel L., Spartanburg, S. C. Dental mixing-slabs. No. 1,247,406; Nov. 20; v. 244; p. 736.
- Jefferson Glass Company. (See Rankin, Carl, assignor.)
- Jefferson Union Company. (See Goodall, John N., assignor.)
- Jeffery, Benjamin A. (See Jeffery, Joseph A. and B. A.)
- Jeffery, Benjamin A., Detroit, Mich. Terminal clip for electric conductors. No. 1,214,470; Jan. 30; v. 234; p. 1541.
- Jeffery, Benjamin A., Detroit, Mich. Apparatus for forming blanks of ceramic material. No. 1,226,668; May 22; v. 238; p. 1005.
- Jeffery, Benjamin A., Detroit, Mich. Spark-plug. No. 1,232,038; July 3; v. 240; p. 170.
- Jeffery, Benjamin A., Detroit, Mich. Spark-plug. No. 1,232,039; July 3; v. 240; p. 170.
- Jeffery, Joseph A., Detroit, Mich. Preparing ceramic articles for handling. No. 1,240,575; Sept. 18; v. 242; p. 651.
- Jeffery, Joseph A., Detroit, Mich. Device for handling articles of ceramic material. No. 1,248,334; Nov. 27; v. 244; p. 1034.
- Jeffery, Joseph A., Duluth, Minn. Loading device for harvesting-machines. No. 1,243,069; Oct. 16; v. 243; p. 585.
- Jeffery, Joseph A. and B. A., Newark, N. J. Spark-plug. No. 1,214,471; Jan. 30; v. 234; p. 1541.
- Jeffery, Joseph A. and B. A., Detroit, Mich. Manufacturing spark-plugs. No. 1,214,472; Jan. 30; v. 234; p. 1541.
- Jeffery, Joseph A. and B. A., Detroit, Mich. Apparatus for use in manufacturing articles of ceramic material. No. 1,223,792; Apr. 24; v. 237; p. 1080.
- Jeffrey, Daniel F. (See Poteet and Jeffrey.)
- Jeffrey, Harvey. (See Hill and Jeffrey.)
- Jeffrey Manufacturing Company, The. (See Bauroth, Walter J., assignor.)
- Jeffrey Manufacturing Company, The. (See Briggs, Robert E., assignor.)
- Jeffrey Manufacturing Company, The. (See Coseo, Frederick C., assignor.)

Alphabetical list of patentees—Continued.

- Jeffrey Manufacturing Company, The. (See Fisher, Dudley T., assignor.)
- Jeffrey Manufacturing Company, The. (See Hamilton, William E., assignor.)
- Jeffrey Manufacturing Company, The. (See Hopkins, Edward L., assignor.)
- Jeffrey Manufacturing Company, The. (See Jenkins, Jonathan, assignor.)
- Jeffrey Manufacturing Company, The. (See Joy, Joseph F., assignor.)
- Jeffrey Manufacturing Company, The. (See Kittle, Gilbert R., assignor.)
- Jeffrey Manufacturing Company, The. (See Levin, Nils D., assignor.)
- Jeffrey Manufacturing Company, The. (See Liggett, William K., assignor.)
- Jeffrey Manufacturing Company, The. (See Lindenber, Frank H., assignor.)
- Jeffrey Manufacturing Company, The. (See Mueller, George H., assignor.)
- Jeffrey Manufacturing Company, The. (See Norris, George B., assignor.)
- Jeffrey Manufacturing Company, The. (See Read, Alexander M., assignor.)
- Jeffrey Manufacturing Company, The. (See Sessions, Frank L., assignor.)
- Jeffrey Manufacturing Company, The. (See Snider, Charles M., assignor.)
- Jeffrey Manufacturing Company, The. (See Waxbom, Carl J. E., assignor.)
- Jeffrey Manufacturing Company, The. (See Wescott, Otis B., assignor.)
- Jeffries, Adolphus F., New York, N. Y. Receptacle-closure. No. 1,226,524; May 15; v. 238; p. 919.
- Jelalian, Martin, Cranston, R. I. Swimming device. No. 1,216,457; Feb. 20; v. 235; p. 785.
- Jelalian, Martin, Cranston, R. I. Combined dirigible and hydro aeroplane. No. 1,227,912; May 29; v. 238; p. 1454.
- Jelalian, Martin, Cranston, R. I. Dirigible airship for military purposes. No. 1,241,219; Sept. 25; v. 242; p. 885.
- Jelalian, Martin, Cranston, R. I. Protection device for a person against bullets or explosives. No. 1,246,274; Nov. 13; v. 244; p. 368.
- Jelalian, Martin, Cranston, R. I. Hand-power-propelled hydroaero sporting dirigible balloon. No. 1,247,960; Nov. 27; v. 244; p. 929.
- Jelercic, Joseph, Willard, Wis. Life-boat. No. 1,249,633; Dec. 11; v. 245; p. 379.
- Jenckes Knitting Machine Company. (See Jenckes, Robert J., assignor.)
- Jenckes Knitting Machine Company. (See Larkin, Walter, assignor.)
- Jenckes Knitting Machine Company. (See Miller, Max C., assignor.)
- Jenckes, Lawrence B., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Take-up mechanism for looms. No. 1,226,525; May 15; v. 238; p. 919.
- Jenckes, Robert J., Providence, assignor to Jenckes Knitting Machine Company, Pawtucket, R. I. Knitting-machine. No. 1,244,503; Oct. 30; v. 243; p. 1090.
- Jenkins, Alexander F., assignor to The Alexander Milburn Company, Baltimore, Md. Oxyacetylene-torch. No. 1,228,676; June 5; v. 239; p. 103.
- Jenkins, Alexander F., assignor to The Alexander Milburn Company, Baltimore, Md. Portable torch. (Reissue.) No. 14,396; Nov. 20; v. 244; p. 795.
- Jenkins, Arthur H. (See Reynolds and Jenkins.)
- Jenkins, Charles D., assignor to Peat Coal Limited, Boston, Mass. Drying apparatus for peat and the like. No. 1,220,131; Mar. 20; v. 236; p. 850.
- Jenkins, Charles F., Washington, D. C. Gravity-railway device. No. 1,216,694; Feb. 20; v. 235; p. 867.
- Jenkins, Charles F., Washington, D. C. Motion-picture machine. No. 1,225,636; May 8; v. 238; p. 577.
- Jenkins, Charles F., assignor to The Graphoscope Company, Washington, D. C. Motion-picture apparatus. No. 1,229,275; June 12; v. 239; p. 353.
- Jenkins, Charles F., assignor to The Graphoscope Company, Washington, D. C. Film-handling device. No. 1,234,545; July 24; v. 240; p. 1090.
- Jenkins, Charles H., Garfield, Wash. Fifth-wheel or coupling-gear. No. 1,225,637; May 8; v. 238; p. 577.
- Jenkins, Columbus E., Hagerman, Idaho. Clover-harvester. No. 1,220,132; Mar. 20; v. 236; p. 851.
- Jenkins, Daniel C., Clarksburg, W. Va. Engine-regulator. No. 1,220,133; Mar. 20; v. 236; p. 851.
- Jenkins, Ed M., Italy, Tex. Sanitary telephone-mouth-piece. No. 1,215,377; Feb. 13; v. 235; p. 345.
- Jenkins, Edward W., Norristown, Pa. Knot-tying device for grain-binders. No. 1,239,793; Sept. 11; v. 242; p. 371.
- Jenkins, Elmer H., Cambridge, Ohio. Shade and curtain bracket. No. 1,216,128; Feb. 13; v. 235; p. 619.
- Jenkins, George H., Oak Park, Ill. Bookbinding appliance. No. 1,215,160; Feb. 6; v. 235; p. 236.
- Jenkins, George H., Oak Park, Ill. Bookbinding device. No. 1,235,322; July 31; v. 240; p. 1363.
- Jenkins, George H., Chicago, Ill. Heater for printing-presses. No. 1,236,178; Aug. 7; v. 241; p. 209.
- Jenkins, George H., Oak Park, and S. A. Hyers, Chicago, Ill. Binder. No. 1,215,161; Feb. 6; v. 235; p. 236.
- Jenkins, George H., Oak Park, and M. N. Murphy, La Grange, Ill. Binder and transfer device. No. 1,218,262; Mar. 6; v. 236; p. 132.
- Jenkins Graphite Lubricating Company, The. (See Jenkins, Samuel M., assignor.)
- Jenkins, Harry R., Eltham, New Zealand. Milking-machine teat-cup. No. 1,231,166; June 26; v. 239; p. 1060.
- Jenkins, Henry C., London, England. Electrolytic cell. No. 1,250,183; Dec. 18; v. 245; p. 578.
- Jenkins, Homer B., *et al.* (See Burgess, John W., assignor.)
- Jenkins, Howard O., Los Angeles, Cal. Guide-card. No. 1,215,542; Feb. 13; v. 235; p. 405.
- Jenkins, John, Dalmuir, Scotland. Ventilator-cowl for ships. No. 1,228,677; June 5; v. 239; p. 103.
- Jenkins, John J., Manchester, N. H. Machine to insert needle-latch rivets. No. 1,223,053; Apr. 17; v. 237; p. 790.
- Jenkins, John S., Lima, Ohio. Glass cover. No. 1,235,692; Aug. 7; v. 241; p. 52.
- Jenkins, Jonathan, Jenkins, Ky., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Attachment for coal-cutting machines. No. 1,247,407; Nov. 20; v. 244; p. 736.
- Jenkins, Luther V., and W. K. Bailey, Sadieville, Ky. Foldable crate. No. 1,227,445; May 22; v. 238; p. 1265.
- Jenkins, Marion R., Chillicothe, Mo. Hay-stacker. No. 1,235,804; Aug. 7; v. 241; p. 89.
- Jenkins Petroleum Process Company. (See Jenkins, Ulysses S., assignor.)
- Jenkins Petroleum Process Company. (See Schwartz, Stephen, assignor.)
- Jenkins, Robert L., Richmond, Va. Attachment for internal-combustion engines. No. 1,229,965; June 12; v. 239; p. 582.
- Jenkins, Samuel M., assignor to The Jenkins Graphite Lubricating Company, Louisville, Ky. System of forced-feed lubrication. No. 1,223,175; Apr. 17; v. 237; p. 832.
- Jenkins, Thomas B., Sumter, S. C. Adjustable hanger for springs. No. 1,216,458; Feb. 20; v. 235; p. 786.
- Jenkins, Ulysses S., Chicago, Ill., assignor, by mesne assignments, to Jenkins Petroleum Process Company, Milwaukee, Wis. Obtaining gasoline and other light oils from heavier hydrocarbons. No. 1,226,526; May 15; v. 238; p. 920.
- Jenkins, Walter D., Durham, N. C. Peanut-digger. No. 1,248,335; Nov. 27; v. 244; p. 1034.
- Jenkins, Weston, assignor to Rome Merchant Iron Mill, Rome, N. Y. Making tubular bars. No. 1,231,897; July 3; v. 240; p. 122.
- Jenkins, Weston, assignor to Rome Merchant Iron Mill, Rome, N. Y. Stay-bolt iron. No. 1,231,898; July 3; v. 240; p. 122.
- Jenkins, William E., assignor of one-half to M. L. Sanford, Warwick, N. Y. Milk-strainer. No. 1,249,762; Dec. 11; v. 245; p. 417.
- Jenkins, Wrisdon H. (See Jackson, Robert J., assignor.)
- Jenne, Christian J., San Francisco, Cal. Fire-alarm. No. 1,240,049; Sept. 11; v. 242; p. 449.
- Jenner, John H., Leavenworth, Ind. Adjustable wrench. No. 1,214,475; Jan. 30; v. 234; p. 1542.
- Jenney, Arthur E., Middleboro, Mass. Adaptable motor and mounting. No. 1,246,930; Nov. 20; v. 244; p. 600.
- Jenney, Charles D., assignor to The National Automobile Equipment Company, Indianapolis, Ind. Electric priming device. No. 1,250,465; Dec. 18; v. 245; p. 662.
- Jenney, Robert T., Monticello, Iowa. Means for operating driven mechanisms. No. 1,214,039; Jan. 30; v. 234; p. 1396.
- Jenney, Robert T., and R. J. Langer, assignors to Hall Manufacturing Company, Monticello, Iowa. Knee-protector. No. 1,251,040; Dec. 25; v. 245; p. 884.
- Jenning, Gustav A., East St. Louis, Ill. Leveling instrument. No. 1,216,129; Feb. 13; v. 235; p. 619.
- Jennings, Charles C. (See Holley and Jennings.)
- Jennings, Chester S., assignor to The Lamson Company, Boston, Mass. Monitor system for carrier-despatch apparatus. No. 1,210,481; Jan. 2; v. 234; p. 36.
- Jennings, Chester S., assignor to The Lamson Company, Boston, Mass. Monitor system for carrier-despatch apparatus. No. 1,210,482; Jan. 2; v. 234; p. 36.
- Jennings, Chester S., assignor to The Lamson Company, Boston, Mass. Automatic load despatching and delivering apparatus. No. 1,244,856; Oct. 30; v. 243; p. 1197.
- Jennings, Chester S., assignor to The Lamson Company, Boston, Mass. Apparatus for handling newspapers and the like. No. 1,245,728; Nov. 6; v. 244; p. 177.
- Jennings, Emerson P., Jr., Lehigh, Pa. Feeding mechanism for webs of paper and the like. No. 1,235,805; Aug. 7; v. 241; p. 90.
- Jennings, James W., New Richmond, Ohio. Expanding drill. No. 1,235,569; Aug. 7; v. 241; p. 13.
- Jennings, John E., Brooklyn, N. Y. Latticed pole. No. 1,211,160; Jan. 2; v. 234; p. 268.
- Jennings, John F., Smithfield, Ill. Emergency-stop for automobiles. No. 1,211,710; Jan. 9; v. 234; p. 489.
- Jennings, Oliver S., Wilkingsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Revolving fan. No. 1,226,076; May 15; v. 238; p. 770.

- Jennings, Victor H., Worcester, Mass., assignor, by mesne assignments, to Universal Patents Company, Woonsocket, R. I. Woven carrier. No. 1,250,886; Dec. 18; v. 245; p. 788.
- Jennings, William B. (See Butler and Jennings.)
- Jennison, Harry G., Toledo, Ohio. Wood impregnation. No. 1,237,521; Aug. 21; v. 241; p. 711.
- Jenny, Adolph, Paterson, N. J. Shuttle-driving mechanism for ribbon-loom. No. 1,247,277; Nov. 20; v. 244; p. 699.
- Jensen, Aage, San Francisco, Cal. Liquid-treating apparatus. No. 1,213,879; Jan. 30; v. 234; p. 1339.
- Jensen, Aage, Long Island City, N. Y. Apparatus for sterilizing milk-cans. No. 1,235,570; Aug. 7; v. 241; p. 13.
- Jensen, Aage, Long Island City, N. Y. Sterilizer and drier. No. 1,235,571; Aug. 7; v. 241; p. 14.
- Jensen, Alfred A., Merrill, Wis. Railway-tie and fastener. No. 1,221,330; Apr. 3; v. 237; p. 116.
- Jensen, Anders P., Norrköping, assignor to B. & O. Libergs Fabriksaktiebolag, Rosenfors Skogstorp, Sweden. Adjustable wrench. No. 1,234,169; July 24; v. 240; p. 967.
- Jensen, Andrew, Kenosha, Wis. Spring-coiling machine. No. 1,250,584; Dec. 18; v. 245; p. 699.
- Jensen, Augustus H., Cheney, Wash. Container and cutter for rubber-dam sheets. No. 1,239,695; Sept. 11; v. 242; p. 340.
- Jensen, Carl. (See Rasmussen and Jensen.)
- Jensen, Charles E. (See Meyer and Jensen.)
- Jensen, Christian A., Minden, Nebr. Latch. No. 1,237,522; Aug. 21; v. 241; p. 712.
- Jensen, George C., Oakland, Cal. Lock-controlled lever. No. 1,219,106; Mar. 13; v. 236; p. 461.
- Jensen, George C., Oakland, Cal. Lock mechanism for automobiles. No. 1,221,993; Apr. 10; v. 237; p. 378.
- Jensen, George C., Oakland, Cal. Automobile lock mechanism. No. 1,221,994; Apr. 10; v. 237; p. 379.
- Jensen, George C., Oakland, Cal. Locking device for movable levers. No. 1,233,785; July 17; v. 240; p. 807.
- Jensen, George C., Oakland, Cal. Device for locking movable levers. No. 1,233,786; July 17; v. 240; p. 808.
- Jensen, George C., Oakland, Cal. Gear-shift-lever-locking mechanism. No. 1,233,787; July 17; v. 240; p. 808.
- Jensen, George C., Oakland, Cal. Gear-shift lock for motor-vehicles. No. 1,233,788; July 17; v. 240; p. 809.
- Jensen, George C., Oakland, Cal. Lock-controlled valve. No. 1,233,789; July 17; v. 240; p. 809.
- Jensen, George C., Oakland, Cal. Mechanism for locking levers. No. 1,235,034; July 31; v. 240; p. 1276.
- Jensen, George C., Oakland, Cal. Locking means for levers. No. 1,235,035; July 31; v. 240; p. 1277.
- Jensen, George C., Oakland, Cal. Apparatus for locking levers. No. 1,240,346; Sept. 18; v. 242; p. 581.
- Jensen, George C., Oakland, Cal. Locking device for carbureters. No. 1,243,301; Oct. 16; v. 243; p. 654.
- Jensen, George C., Oakland, Cal. Lever-locking mechanism. No. 1,244,857; Oct. 30; v. 243; p. 1197.
- Jensen, George C., Oakland, Cal. Lever-locking apparatus. No. 1,248,126; Nov. 27; v. 244; p. 975.
- Jensen, Hans T., Sheridan, Wyo. Grinder attachment for lathes. No. 1,243,180; Oct. 16; v. 243; p. 617.
- Jensen, Hermann, Copenhagen, Denmark. Automatic sales device. No. 1,241,984; Oct. 2; v. 243; p. 164.
- Jensen, Lawrence H., St. Charles, Ill. Pump. No. 1,244,053; Oct. 23; v. 243; p. 917.
- Jensen, Louis, assignor to United Autographic Register Company, Chicago, Ill. Paper-supply attachment for type-writers. No. 1,243,942; Oct. 23; v. 243; p. 884.
- Jensen, Nels V., Portland, Oreg. Paper-file. No. 1,213,378; Jan. 23; v. 234; p. 1139.
- Jensen, Niels C., Chicago, Ill. Hat-pin protector. No. 1,237,049; Aug. 14; v. 241; p. 524.
- Jensen, Peter, Colton, Oreg. Draft-releasing device. No. 1,227,446; May 22; v. 238; p. 1265.
- Jensen, Rasmus, assignor of one-half to E. L. Colburn, Los Angeles, Cal. Automatic vaporizer. No. 1,235,806; Aug. 7; v. 241; p. 91.
- Jensen, Richard S., Los Angeles, Cal. Metal orchard-box. No. 1,233,243; July 10; v. 240; p. 594.
- Jensen, Roscoe, Sprague, Wash. Radiator foot-rest. No. 1,215,280; Feb. 6; v. 235; p. 278.
- Jensen, Rudolph C., Springwells, Mich. Leather facing for cone-clutches. No. 1,227,151; May 22; v. 238; p. 1171.
- Jenson, Samuel N., Estancia, N. Mex. Chalk-cup. No. 1,221,057; Apr. 3; v. 237; p. 19.
- Jepson, John W., New York, N. Y. Electrical system of distribution and regulating apparatus therefor. No. 1,233,671; July 17; v. 240; p. 772.
- Jepson, John W., Depew, N. Y., assignor to Gould Coupler Company. Regulating apparatus for generators. No. 1,236,179; Aug. 7; v. 241; p. 209.
- Jepson, John W., Depew, N. Y., assignor to Gould Coupler Company. Lighting system. No. 1,236,180; Aug. 7; v. 241; p. 209.
- Jepson, John W., Depew, N. Y., assignor to Gould Coupler Company. Electrical system. No. 1,237,648; Aug. 21; v. 241; p. 752.
- Jepson, John W., Depew, N. Y., assignor to Gould Coupler Company. Engine appliance. No. 1,240,724; Sept. 18; v. 242; p. 697.
- Jepson, John W., Depew, N. Y., assignor to Gould Coupler Company. Engine appliance. No. 1,240,725; Sept. 18; v. 242; p. 697.
- Jepson, John W., Depew, N. Y., assignor to Gould Coupler Company. Engine-starting arrangement. No. 1,240,726; Sept. 18; v. 242; p. 698.
- Jerich, Frank, Ely, Minn. Rail-joint. No. 1,240,727; Sept. 18; v. 242; p. 698.
- Jermin and Stevens. (See Stevens, Levi, assignor.)
- Jern, Emil A., Gävle, Sweden. Support for the motor on motor-driven vehicles or the like. No. 1,217,602; Feb. 27; v. 235; p. 1226.
- Jern, Emil A., assignor to P. Holmstrand, Gefle, Sweden. Transmission for motor-driven vehicles. No. 1,238,778; Sept. 4; v. 242; p. 18.
- Jernberg, Axel V., Tidaholm, Sweden. Fermentation of sulfite waste liquor. No. 1,221,058; Apr. 3; v. 237; p. 19.
- Jernigan, Albert S., assignor of one-fourth to J. L. M. Curry and A. J. Smith, Cheyenne, Okla. Fly-trap. No. 1,225,638; May 8; v. 238; p. 578.
- Jernigan, Henry R., Arlton, Ala. Peanut sheller or huller. No. 1,229,966; June 12; v. 239; p. 583.
- Jerome, William E. (See Robb and Jerome.)
- Jersey Cereal Food Company. (See Foster, R. Jay, assignor.)
- Jersey City Printing Company. (See Hall, Edward, assignor.)
- Jersey Sweeper Company. (See Smith, Ezra B., assignor.)
- Jerum, Henry, Liberty, N. Y. Record-filing case. No. 1,250,887; Dec. 18; v. 245; p. 788.
- Jesberg, Paul A., Los Angeles, Cal. Sales-book and foot-measuring device and record. No. 1,233,481; July 17; v. 240; p. 710.
- Jeske, Charles A. and C. P., Chicago, Ill. Speed-recorder for vehicles. No. 1,242,557; Oct. 9; v. 243; p. 386.
- Jeske, Clarence P. (See Jeske, Charles A. and C. P.)
- Jessen, Charles C., Oakland, Cal. Gas-radiator. No. 1,225,034; May 8; v. 238; p. 374.
- Jessen, James. (See McNulty, Nelson, and Jessen.)
- Jessen, James, assignor to H. O. Harding, Minneapolis, Minn. Tension device for bag-tying machines. No. 1,247,961; Nov. 27; v. 244; p. 929.
- Jesseph, Eugene S., Detroit, Mich. Cutter-head. No. 1,222,871; Apr. 17; v. 237; p. 728.
- Jesser, Leopold, Vienna, Austria. Making magnesia. No. 1,238,147; Aug. 28; v. 241; p. 943.
- Jesson, Jesse A., Corbin, Ky. Automatic train-stopping device. No. 1,227,913; May 29; v. 238; p. 1454.
- Jessup, George W., Boston, Mass. Syringe nozzle-point. No. 1,243,840; Oct. 23; v. 243; p. 854.
- Jessup, Henry W., trustee. (See Twombly, Willard I., assignor.)
- Jessup, Orson E., Springfield, Mass. Machine for straightening gun-barrels. No. 1,240,576; Sept. 18; v. 242; p. 651.
- Jester, Marvin H., Denver, Colo. Plaster-board-supporting metal clip. No. 1,217,603; Feb. 27; v. 235; p. 1226.
- Jester, Marvin H., assignor to The M. H. Jester Investment Company, Denver, Colo. Clamping-clip mechanism for securing plaster-boards to metal studding. No. 1,234,903; July 31; v. 240; p. 1235.
- Jesurun, Edward. (See Lyttle, Rowland, assignor.)
- Jett, George C., Gary, Ind. Tractor chain tread. No. 1,222,295; Apr. 10; v. 237; p. 484.
- Jewell, Charles E., Auburn, N. Y. Truss. No. 1,218,664; Mar. 13; v. 236; p. 306.
- Jewell Engineering Company. (See Jewell, William M., assignor.)
- Jewell, James E., Kansas City, Mo. Toy. No. 1,242,194; Oct. 9; v. 243; p. 271.
- Jewell, Lorna M., Los Angeles, Cal. Annunciator. No. 1,235,036; July 31; v. 240; p. 1277.
- Jewell, William M., assignor to Jewell Engineering Company, Chicago, Ill. Pressure-filter. No. 1,214,167; Jan. 30; v. 234; p. 1437.
- Jewell, William M., assignor to Jewell Engineering Company, Chicago, Ill. Filtration. No. 1,232,805; July 10; v. 240; p. 454.
- Jewell, William M., assignor to Jewell Engineering Company, Chicago, Ill. Filtering apparatus. No. 1,233,061; July 10; v. 240; p. 536.
- Jewell, William M., assignor to Jewell Engineering Company, Chicago, Ill. Filtration. No. 1,248,127; Nov. 27; v. 244; p. 975.
- Jewett, Francis H. (See Pilling and Jewett.)
- Jewett, Murrit M., Corning, N. Y. Coating-machine. No. 1,239,399; Sept. 4; v. 242; p. 217.
- Jewett, Tony M. (See Fox and Jewett.)
- Jiffy Jack Company, The. (See Widlar, Walter L., assignor.)
- Jikihara, Toshihei, assignor of one-half to N. Ando, Up-land, Cal. Wind-power. No. 1,211,161; Jan. 2; v. 234; p. 268.
- Jillson, Edward L. and W. R., Jr., Syracuse, assignors to R. C. Colman, New York, N. Y. Headlight. No. 1,214,309; Jan. 30; v. 234; p. 1489.
- Jillson, Willard R., Jr. (See Jillson, Edward L. and W. R., Jr.)
- Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Throttle-valve for pneumatic tools. No. 1,229,276; June 12; v. 239; p. 353.

Alphabetical list of patentees—Continued.

- Jiranek, Louis A., Birnamwood, Wis. Sanitary seat-cover apparatus. No. 1,224,646; May 1; v. 238; p. 189.
- Jirdinston, William C., Moline, assignor to Marselles Company, East Moline, Ill. Manure-spreader. No. 1,218,866; Mar. 13; v. 236; p. 381.
- Jno. W. Brown Manufacturing Co., The. (See Pfeifer, Leo L., assignor.)
- Joachim, Joseph W., New Orleans, La. Gage. No. 1,228,325; May 29; v. 238; p. 1590.
- Jobe, Hugh V., Roll, Okla. Telephone attachment. No. 1,236,567; Aug. 14; v. 241; p. 366.
- Jobes, Campbell. (See Pilchard, William W., assignor.)
- Jobson, Frank L. (See Dutton and Jobson.)
- Jochum, Alvis, assignor of one-half to F. West, Crab Orchard, Ill. Cattle-guard. No. 1,216,814; Feb. 20; v. 235; p. 908.
- Jochumsen, John, Independence, Iowa. Swing. No. 1,238,920; Sept. 4; v. 242; p. 64.
- Jockisch, Theodore W., Greensboro, Ala. Peanut-stripping machine. No. 1,250,466; Dec. 18; v. 245; p. 662.
- Jockisch, Velmer H., Greensboro, Ala. Peanut-digger. No. 1,228,562; June 5; v. 239; p. 64.
- Jockmus, Charles H., Ansonia, Conn. Detonating-fuse. No. 1,232,040; July 3; v. 240; p. 170.
- Jocks, Charles B. (See Honey, Archie P., assignor.)
- Joehrendt, Edward F., Chicago, Ill. Feeding mechanism for inking-ribbons for printing-presses. No. 1,228,928; June 5; v. 239; p. 187.
- Joerden, Harry J., Los Angeles, assignor of one-fourth to L. S. Wren, Hawthorne, Cal. Starter mechanism. No. 1,243,607; Oct. 16; v. 243; p. 745.
- Joerissen, Carl A., Washington, D. C., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,246,931; Nov. 20; v. 244; p. 601.
- Joffe, Joseph. (See Lomanitz, Sebastian, assignor.)
- Johaningmyer, Harry F., assignor to Frank Adam Electric Company, St. Louis, Mo. Knife-switch. No. 1,235,693; Aug. 7; v. 241; p. 52.
- Johannesen, Carl A., Brooklyn, N. Y. Projectile. No. 1,242,944; Oct. 16; v. 243; p. 545.
- Johannesen, Helge, Brooklyn, N. Y. Apparatus for making leggings. No. 1,229,277; June 12; v. 239; p. 354.
- Johannesen, Svend E., Pittsfield, Mass., assignor to General Electric Company. Method and means of voltage control. No. 1,225,639; May 8; v. 238; p. 578.
- Johannsmeyer, Frederick, assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Spool construction. No. 1,238,921; Sept. 4; v. 242; p. 64.
- Johansen, Johannes C., London, England. Massage apparatus. No. 1,210,809; Jan. 2; v. 234; p. 148.
- Johansen, Julius, Brainerd, Minn. Fish-hook attachment. No. 1,249,104; Dec. 4; v. 245; p. 195.
- Johansen, Severin, Atlanta, Ga. Pressure and valve mechanism for cotton-trampers for baling-presses. No. 1,234,035; July 17; v. 240; p. 888.
- Johanson, Carl S., Montclair, N. J. Extensible window-frame. No. 1,227,152; May 22; v. 238; p. 1171.
- Johanson, Carl S., Montclair, N. J. Extension-window guide. No. 1,238,297; Aug. 28; v. 241; p. 995.
- Johanson, Emil G., Chicago, Ill. Glass. No. 1,249,408; Dec. 11; v. 245; p. 313.
- Johanson, Erik W., Moline, Ill. Circuit-breaker. No. 1,242,195; Oct. 9; v. 243; p. 271.
- Johanson, Frans E. (See Karlsson and Johanson.)
- Johanson, Frans E., Gottenborg, Sweden. Ball-cage for ball-bearings. No. 1,223,492; Apr. 24; v. 237; p. 972.
- Johanson, Karl A. R., assignor to Nya Aktiebolaget Svenska Automatafabriken, Stockholm, Sweden. Apparatus for checking working-time. No. 1,235,519; July 31; v. 240; p. 1421.
- Johanson, Rudolph N., South Bend, Ind. Garment-holder. No. 1,246,275; Nov. 13; v. 244; p. 368.
- Johanson, Thure A., St. Charles, assignor to The Cable Company, Chicago, Ill. Piano sounding-board and frame. No. 1,249,763; Dec. 11; v. 245; p. 417.
- Johansson, Waldemar. (See Osberg and Johansson.)
- Johansson, Carl A., Christiania, Norway. Stabilization of aircraft. No. 1,223,698; Apr. 24; v. 237; p. 1047.
- Johansson, Carl E., Eskilstuna, Sweden. Accurate measuring-gage. No. 1,217,312; Feb. 27; v. 235; p. 1121.
- Johansson, Carl E., Eskilstuna, Sweden. Gage for measuring holes. No. 1,217,313; Feb. 27; v. 235; p. 1122.
- Johansson, Gustaf W. (See Risberg and Johansson.)
- Johansson, Robert, Gottenborg, Sweden. Automatic cut-out for electric lines. No. 1,233,062; July 10; v. 240; p. 537.
- Johansson, Victor J., Lidköping, Sweden. Regulating device for wind-motors. No. 1,242,196; Oct. 9; v. 243; p. 271.
- John A. Roebling's Sons Company. (See Horn, Harold J., assignor.)
- John A. Roebling's Sons Company. (See Sunderland, Charles C., assignor.)
- John A. Roebling's Sons Company. (See Sunderland and Green, assignors.)
- John C. Dettra & Company. (See Dettra, John C., assignor.)
- John C. Moninger Company. (See Berles, Edward, assignor.)
- John C. Nichols Harness Mfg. Company. (See Nichols, John C., assignor.)
- John Chatillon & Sons. (See Chatillon, Ralph F., assignor.)
- John Church Company, The. (See Lelsch, Joseph, assignor.)
- John Deere Wagon Company, The. (See Lay, Francis M., assignor.)
- John Douglas Company, The. (See Douglas, Charles E., assignor.)
- John Douglas Company, The. (See McNeil, Daniel W., assignor.)
- John Fogarty Co. (See Fogarty, John G., assignor.)
- John, Griffith, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Safety device. No. 1,225,964; May 15; v. 238; p. 730.
- John Maddock & Sons. (See Maddock, John, assignor.)
- John O. Heinze Company, The. (See Heinze, John O., assignor.)
- John, Peter W., Middleport, Pa. Car-coupling. No. 1,242,810; Oct. 9; v. 243; p. 466.
- John, Robert, New York, N. Y. Taking moving pictures. No. 1,216,695; Feb. 20; v. 235; p. 867.
- John, Robert, New York, N. Y., assignor, by mesne assignments, to Ikonochrome Company of America, Inc. Dark-room lantern. No. 1,212,228; Jan. 16; v. 234; p. 699.
- John, Robert, New York, N. Y., assignor, by mesne assignments, to Ikonochrome Company of America, Inc. Photographic lighting. No. 1,216,696; Feb. 20; v. 235; p. 867.
- John Simmons Company. (See Edwards, Albert, assignor.)
- John Thomson Press Company. (See Thomson, John, assignor.)
- John Thomson Press Company. (See Thomson and Flitz Gerald, assignors.)
- John W. Brown Manufacturing Company, The. (See Pfeifer, Leo L., assignor.)
- Johns, Anton A., Remer, Minn. Car-door lock. No. 1,213,651; Jan. 23; v. 234; p. 1232.
- Johns, Ayr V., Forsyth, Mont., assignor of one-half to T. A. Davis, Findlay, Ill. Mechanism for raising and lowering lanterns. No. 1,211,856; Jan. 9; v. 234; p. 543.
- Johns, Charles W., Jerseyville, Ill. Smokeless fuel-economizer. No. 1,243,943; Oct. 23; v. 243; p. 884.
- Johns-Pratt Company, The. (See Cole, Robert C., assignor.)
- Johns-Pratt Company, The. (See Hooker, Duncan C., assignor.)
- Johns-Pratt Company, The. (See Roberts, Edward E., assignor.)
- Johns, Robert I., New York, N. Y. Portable house. No. 1,218,665; Mar. 13; v. 236; p. 306.
- Johnsen, Alfred J., Illovo River, and H. E. Johnsen, Durban, Natal, South Africa. Fish-joint. No. 1,227,271; May 22; v. 238; p. 1211.
- Johnsen, Andrew, Vancouver, British Columbia, Canada. Means for connecting the ends of lifting-ropes together under the hull of a submerged vessel. No. 1,240,979; Sept. 25; v. 242; p. 811.
- Johnsen, Henry E. (See Johnsen, Alfred J. and H. E.)
- Johnsen, John D., Los Angeles, Cal. Producing color-printing plates. No. 1,237,342; Aug. 21; v. 241; p. 654.
- Johnsen, John T., Chicago, Ill. Household baling-press. No. 1,241,122; Sept. 25; v. 242; p. 854.
- Johnsen, Jonas A., Christiania, Norway. Device for transmitting or transforming micromovements. No. 1,229,619; June 12; v. 239; p. 470.
- Johnson, A. S., et al. (See Bentley, Frederick E., assignor.)
- Johnson, Aben E. (See Wilson, Richard T., assignor.)
- Johnson, Abraham S., and W. N. Waide, Trent, Wash. Train-order holder. No. 1,215,939; Feb. 13; v. 235; p. 549.
- Johnson, Adam D., Garrett, Pa. Saw-clamp. No. 1,217,004; Feb. 20; v. 235; p. 972.
- Johnson, Agnar, Rockford, Ill. Splitting-machine. No. 1,214,683; Feb. 6; v. 235; p. 71.
- Johnson, Albert E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Insole-blank and preparing it. No. 1,212,490; Jan. 16; v. 234; p. 793.
- Johnson, Albert E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for operating on soles. No. 1,213,770; Jan. 23; v. 234; p. 1271.
- Johnson, Albert E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for preparing insoles for reinforcing. No. 1,216,130; Feb. 13; v. 235; p. 619.
- Johnson, Albert E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Insole-fitting machine. No. 1,217,455; Feb. 27; v. 235; p. 1173.
- Johnson, Albert E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Forming-in machine. No. 1,217,456; Feb. 27; v. 235; p. 1173.
- Johnson, Albert E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for operating on soles. No. 1,218,561; Mar. 6; v. 236; p. 232.
- Johnson, Albert E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lip-slitting mechanism. No. 1,243,944; Oct. 23; v. 243; p. 885.

- Johnson, Albert E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-fitting machine. No. 1,245,594; Nov. 6; v. 244; p. 138.
- Johnson, Albert H., Glens Falls, N. Y. Blow-off valve. No. 1,238,779; Sept. 4; v. 242; p. 18.
- Johnson, Albert S., San Diego, Cal. Shock-absorber. No. 1,210,483; Jan. 2; v. 234; p. 37.
- Johnson, Albin J., Duluth, Minn. Combination toilet article. No. 1,226,669; May 22; v. 238; p. 1005.
- Johnson, Aldor, assignor of one-half to G. Johnson, Duluth, Minn. Vehicle. No. 1,242,446; Oct. 9; v. 243; p. 350.
- Johnson, Alfred C., Winters, Cal. Transmission mechanism for tractors and the like. No. 1,218,666; Mar. 13; v. 236; p. 306.
- Johnson, Alfred E., Racine, Wis. Shoe-fastening means. No. 1,236,308; Aug. 7; v. 241; p. 249.
- Johnson, Alfred L., Ogdon, Iowa. Sacker. No. 1,250,316; Dec. 18; v. 245; p. 617.
- Johnson, Allan W., Chicago, and W. S. Tait, Lemont, assignors to American Steel Window Company, Chicago, Ill. Metal sash or window. No. 1,213,498; Jan. 23; v. 234; p. 1179.
- Johnson, Andrew, Cripple Creek, Colo. Rail bond or tie. No. 1,211,162; Jan. 2; v. 234; p. 269.
- Johnson, Andrew, Minneapolis, Minn. Cable-grip. No. 1,244,093; Oct. 23; v. 243; p. 929.
- Johnson, Andrew A., Eggleston, Minn. Snap-hook. No. 1,235,480; July 31; v. 240; p. 1408.
- Johnson, Andrew E., and G. E. Franzen, Des Moines, Iowa. Adjustable shade-holder. No. 1,214,548; Feb. 6; v. 235; p. 23.
- Johnson, Andrew J., Cleveland, Ohio. Burner. No. 1,231,869; June 26; v. 239; p. 1127.
- Johnson, Anna S., Pierce City, Mo. Bed-chair. No. 1,230,301; June 19; v. 239; p. 731.
- Johnson, Antrum W., Warrenton, Mo. Wire-cloth rack. No. 1,229,086; June 5; v. 239; p. 239.
- Johnson, Arley M., Belle Center, Ohio. Hog catcher and holder. No. 1,227,794; May 29; v. 238; p. 1414.
- Johnson, Arley M., Belle Center, Ohio. Animal-holder. No. 1,232,556; July 10; v. 240; p. 371.
- Johnson, Arthur A., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,215,307; Feb. 6; v. 235; p. 287.
- Johnson, Arthur H., Epsom, England, assignor to The Union Switch & Signal Company, Swissvale, Pa. Relay. No. 1,236,375; Aug. 7; v. 241; p. 268.
- Johnson, August, Livingston Manor, N. Y. Steam-boiler. No. 1,241,985; Oct. 2; v. 243; p. 164.
- Johnson, August G. (See Adams and Johnson.)
- Johnson, August G., Monessen, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Wire fence. No. 1,250,184; Dec. 18; v. 245; p. 578.
- Johnson, Augustus, assignor of one-half to A. F. Richardson, Worcester, Mass. Rotary internal-combustion engine. No. 1,242,197; Oct. 9; v. 243; p. 272.
- Johnson, Austin, Grand Ledge, Mich. Pump. No. 1,218,086; Mar. 6; v. 236; p. 69.
- Johnson Automatic Sealer Co. (See Johnson, Harry L., assignor.)
- Johnson, Axel W., Portland, Ore. Automobile signaling device. No. 1,223,981; Apr. 24; v. 237; p. 1143.
- Johnson, Ben B., Evansville, Ind. Sewer-trap. No. 1,222,296; Apr. 10; v. 237; p. 484.
- Johnson, Bernhard, Valparaiso, Ind. Crude or heavy oil engine. No. 1,223,793; Apr. 24; v. 237; p. 1081.
- Johnson, Billie, Temple, Tex. Cotton-picker. No. 1,215,660; Feb. 13; v. 235; p. 451.
- Johnson, Billie, Temple, Tex. Cotton-picking needle. No. 1,230,168; June 19; v. 239; p. 687.
- Johnson-Bradford Safe Company. (See Johnson and Super, assignors.)
- Johnson, Bradley S., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction-gear. No. 1,232,321; July 3; v. 240; p. 262.
- Johnson, Bradley S., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Frictional spring. No. 1,250,585; Dec. 18; v. 245; p. 699.
- Johnson, Carl, Mullan, Idaho. Bottle-seal. No. 1,246,748; Nov. 13; v. 244; p. 510.
- Johnson, Carl E., St. Paul, Minn. Portable track-wheel. No. 1,220,852; Mar. 27; v. 236; p. 1137.
- Johnson, Carl H., Taylorsville, Pa. Hose-coupling. No. 1,245,108; Oct. 30; v. 243; p. 1273.
- Johnson, Charles, Seaside, Ore. Street-sweeper. No. 1,225,251; May 8; v. 238; p. 445.
- Johnson, Charles A., Sacramento, Cal. Finger-bar for mowers. No. 1,219,322; Mar. 13; v. 236; p. 535.
- Johnson, Charles A., Unionville, Conn. Tool-holder for planers. No. 1,223,493; Apr. 24; v. 237; p. 972.
- Johnson, Charles A., Galveston, Tex. Flexible conduit. No. 1,229,087; June 5; v. 239; p. 239.
- Johnson, Charles A., Waycross, Ga. Pneumatic tire. No. 1,244,337; Oct. 23; v. 243; p. 1003.
- Johnson, Charles A., Unionville, Conn. Threading-tool. No. 1,250,185; Dec. 18; v. 245; p. 579.
- Johnson, Charles C. (See Buchanan and Johnson.)
- Johnson, Charles E., Denver, Colo. Automatically-operating carbureter. No. 1,212,491; Jan. 16; v. 234; p. 793.
- Johnson, Charles E., Muskegon, Mich. Piston and piston-ring. No. 1,240,456; Sept. 18; v. 242; p. 617.
- Johnson, Charles E., New York, N. Y. Drawing instrument. No. 1,241,986; Oct. 2; v. 243; p. 164.
- Johnson, Charles E., New York, N. Y. Cigar case and cutter. No. 1,249,105; Dec. 4; v. 245; p. 195.
- Johnson, Charles E., assignor to The American Hardware Corporation, New Britain, Conn. Lock. No. 1,210,810; Jan. 2; v. 234; p. 146.
- Johnson, Charles E., Muskegon, assignor to The Piston Ring Company, Muskegon Heights, Mich. Manufacturing piston-rings. No. 1,214,549; Feb. 6; v. 235; p. 23.
- Johnson, Charles L., Dallas, Tex. Drum-lining. No. 1,249,764; Dec. 11; v. 245; p. 417.
- Johnson, Charles S. (See King, Jacoby, and Johnson.)
- Johnson, Charles T., Mossville, La. Stove-top protector. No. 1,227,447; May 22; v. 238; p. 1265.
- Johnson, Charles W., Orange, Mass. Fire-escape. No. 1,230,169; June 19; v. 239; p. 687.
- Johnson, Chester F. (See Snell and Johnson.)
- Johnson, Chester F., Detroit, Mich. Carbureter. No. 1,213,499; Jan. 23; v. 234; p. 1179.
- Johnson, Chester F., Detroit, Mich. Carbureter. No. 1,244,858; Oct. 30; v. 243; p. 1198.
- Johnson, Chester F., assignor to Cadillac Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,232,041; July 3; v. 240; p. 171.
- Johnson, Chloe E., Springfield, Mass. Curtain, blanket, and quilt frame. No. 1,219,556; Mar. 20; v. 236; p. 648.
- Johnson, Christian. (See Draper and Johnson.)
- Johnson, Christian A., assignor of one-fourth to J. Waldele, Laramie, Wyo. Tubular drill. No. 1,213,652; Jan. 23; v. 234; p. 1232.
- Johnson, Clarence B., assignor of one-third to P. R. Ingram and one-third to J. E. Cole, Norfolk, Va. Connector for batteries. No. 1,241,737; Oct. 2; v. 243; p. 87.
- Johnson, Claude R., Neodesha, Kans. Gas-stove. No. 1,221,539; Apr. 3; v. 237; p. 189.
- Johnson, Clause E. (See Jones, Rowe, and Johnson.)
- Johnson, Clyde A., San Diego, Cal. Door-cap fixture. No. 1,233,274; July 10; v. 240; p. 604.
- Johnson, Conrad A., Jamestown, N. Y. Window-screen. No. 1,235,694; Aug. 7; v. 241; p. 52.
- Johnson, Correl W., New York, N. Y. Sound-clarifier for sound producing or reproducing instruments. No. 1,240,050; Sept. 11; v. 242; p. 450.
- Johnson, Cyrus B. (See Fickling and Johnson.)
- Johnson, Cyrus C., McPherson, Kans. Oil-burner. No. 1,238,780; Sept. 4; v. 242; p. 18.
- Johnson, D. W. (See Woods, Joseph M., assignor.)
- Johnson, David A., Hammond, Ind. Automatic jointer. No. 1,218,562; Mar. 6; v. 236; p. 232.
- Johnson, David B., assignor of one-fourth to R. P. Murphy and one-fourth to H. Cashatt, Lynchburg, Ohio. Mail-distributing apparatus. No. 1,251,383; Dec. 25; v. 245; p. 984.
- Johnson, David C., Johnson, N. Mex. Clamp for wind-mills. No. 1,247,117; Nov. 20; v. 244; p. 654.
- Johnson, Deforest E., Hinsdale, N. Y. Pneumatic tire. No. 1,240,051; Sept. 11; v. 242; p. 450.
- Johnson, Dion L., Los Angeles, Cal. Producing molybdenum disulfide. No. 1,248,867; Dec. 4; v. 245; p. 131.
- Johnson, Edward. (See Holmes and Johnson.)
- Johnson, Edward, assignor to L. S. Hackney, St. Paul, Minn. Oil-separator. No. 1,230,581; June 19; v. 239; p. 825.
- Johnson, Edward H., Binghamton, N. Y. Implement for boiling eggs. No. 1,250,888; Dec. 18; v. 245; p. 789.
- Johnson, Edward H., Binghamton, N. Y. Egg-beater. No. 1,250,889; Dec. 18; v. 245; p. 789.
- Johnson, Edward H., Binghamton, N. Y. Kitchen utensil. No. 1,250,890; Dec. 18; v. 245; p. 789.
- Johnson, Edwin L., Kansas City, Mo. Automobile-signal. No. 1,225,714; May 8; v. 238; p. 603.
- Johnson, Eldridge R., Merion, Pa., assignor to Victor Talking Machine Company. Cutter for sound-reproducing styli. No. 1,229,469; June 12; v. 239; p. 419.
- Johnson, Eldridge R., Merion, Pa., assignor to Victor Talking Machine Company. Tone-modulating device for talking-machines. No. 1,231,370; June 26; v. 239; p. 1127.
- Johnson, Eldridge R., Merion, Pa., assignor to Victor Talking Machine Company. Talking-machine. No. 1,235,695; Aug. 7; v. 241; p. 53.
- Johnson, Eldridge R., Merion, and J. C. English, Philadelphia, Pa., assignors to Victor Talking Machine Company. Talking-machine. No. 1,217,869; Feb. 27; v. 235; p. 1316.
- Johnson, Eleanor, Centralia, Wash. Repairer and sealer. No. 1,244,984; Oct. 30; v. 243; p. 1236.
- Johnson, Elene E. (See St. Louis and Johnson.)
- Johnson, Elmer J., Norwood, Ill. Attachment for hot-air registers. No. 1,250,891; Dec. 18; v. 245; p. 790.
- Johnson, Emil, assignor of one-half to J. D. McCarthy, Chicago, Ill. Photographic-printing frame. No. 1,217,005; Feb. 20; v. 235; p. 973.
- Johnson, Eric, Seattle, Wash. Lumber-piler. No. 1,231,027; June 26; v. 239; p. 1012.
- Johnson, Eric, assignor to Deere & Company, Moline, Ill. Lubricating device. No. 1,224,647; May 1; v. 238; p. 189.
- Johnson, Ernest S., Webster City, Iowa. Feeding device for animals. No. 1,249,765; Dec. 11; v. 245; p. 417.

Alphabetical list of patentees—Continued.

- Johnson, Ernest S., and R. J. Beckley, Waterloo, Iowa. Perforating device for bank-checks. No. 1,250,317; Dec. 18; v. 245; p. 618.
- Johnson, Ernest W., Ballinacurra, Ireland. Carbureting apparatus for internal-combustion engines. No. 1,218,867; Mar. 13; v. 236; p. 381.
- Johnson, Eugene C., Los Angeles, Cal. Rail-contactor. No. 1,238,922; Sept. 4; v. 242; p. 64.
- Johnson, Floyd, assignor of one-half to R. N. Lannert, Evansville, Ind. Combination refuse-can and fly-trap. No. 1,244,859; Oct. 30; v. 243; p. 1198.
- Johnson, Francis T., Chicago, Ill. Washing-machine. No. 1,213,202; Jan. 23; v. 234; p. 1076.
- Johnson, Francis T., Chicago, Ill. Clutch and brake mechanism. No. 1,213,203; Jan. 23; v. 234; p. 1076.
- Johnson, Francis T., Chicago, Ill. Mechanical movement. No. 1,218,778; Mar. 13; v. 236; p. 347.
- Johnson, Frank B., Des Moines, Iowa. Receptacle. No. 1,244,338; Oct. 23; v. 243; p. 1003.
- Johnson, Frank C. (See Nash, Charles M., assignor.)
- Johnson, Frank E., Salt Lake City, Utah, assignor to American Manganese Steel Company, Augusta, Me. Liner for tube-mills. No. 1,243,742; Oct. 23; v. 243; p. 822.
- Johnson, Frank N., Holly Grove, Ark. Telemeter. No. 1,215,162; Feb. 6; v. 235; p. 236.
- Johnson, Frank P., Danville, Pa. Tire-fastening device. No. 1,222,211; Apr. 10; v. 237; p. 454.
- Johnson, Frank P., Danville, Pa. Tire-fastening device. No. 1,230,902; June 26; v. 239; p. 968.
- Johnson, Frederick C., Jersey Shore, Pa. Machine for cutting holes in metallic panel-boxes, &c. No. 1,232,926; July 10; v. 240; p. 494.
- Johnson, Frederick I., Warren, R. I. Terminal for electric conduits. No. 1,217,604; Feb. 27; v. 235; p. 1226.
- Johnson, Frederick I., Warren, R. I. Pipe-clamp. No. 1,250,467; Dec. 18; v. 245; p. 663.
- Johnson, Frederick L., Springfield, Mo. Dirigible-lamp mechanism for automobiles. No. 1,245,729; Nov. 6; v. 244; p. 177.
- Johnson, Frithiof N., Waukegan, Ill. Spring-matress. No. 1,250,892; Dec. 18; v. 245; p. 790.
- Johnson, Garfield. (See Johnson, Rolly A. and G.)
- Johnson, George A., assignor to W. H. Miner, Chicago, Ill. Draft-yoke. No. 1,221,331; Apr. 3; v. 237; p. 116.
- Johnson, George A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Railway-car draft-rigging. No. 1,223,794; Apr. 24; v. 237; p. 1081.
- Johnson, George A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. High-capacity friction spring draft-rigging. No. 1,225,715; May 8; v. 238; p. 603.
- Johnson, George A., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-arm for railway-cars. No. 1,228,563; June 5; v. 239; p. 64.
- Johnson, George F., Maple City, Kans. Tractor-wheel. No. 1,228,024; May 29; v. 238; p. 1492.
- Johnson, George M., McDonald, Pa. Automatic stopping and releasing device for mine-cars. No. 1,249,106; Dec. 4; v. 245; p. 196.
- Johnson, George T. (See Whitridge and Johnson.)
- Johnson, George T., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Cast-metal yoke for railway draft mechanism. No. 1,247,962; Nov. 27; v. 244; p. 930.
- Johnson, Good S., Dixon, Cal. Quick-detachable valve. No. 1,251,235; Dec. 25; v. 245; p. 940.
- Johnson, Gunnar. (See Johnson, Aldor, assignor.)
- Johnson, Gustaf. (See Sampson and Johnson.)
- Johnson, Gustaf E., Chicago, assignor to S. S. Vaughan, Oak Park, Ill. Engraving-machine. No. 1,239,696; Sept. 11; v. 242; p. 340.
- Johnson, Gustave A. (See Nichols and Johnson.)
- Johnson, Guy W., assignor of one-third to W. E. Knowles, Columbus, Ga. Window-shade bracket. No. 1,238,680; Aug. 28; v. 241; p. 1115.
- Johnson, Hans C., Fort Bragg, Cal. Weed-puller. No. 1,245,924; Nov. 6; v. 244; p. 236.
- Johnson, Hans O., Sacramento, assignor of one-third to C. T. Wengard, San Francisco, Cal. Direction-signal for motor-vehicles. No. 1,218,944; Mar. 13; v. 236; p. 407.
- Johnson, Hans O., assignor of one-half to A. E. Noack, Sacramento, Cal. Dimmer for motor-vehicles. No. 1,227,795; May 29; v. 238; p. 1414.
- Johnson, Harold S. (See Buckingham and Johnson.)
- Johnson, Harry A., assignor to The Superior Metal Products Company, Elyria, Ohio. Saddle for motor-cycles or bicycles. No. 1,229,468; June 12; v. 239; p. 418.
- Johnson, Harry C. (See Shaw, Levi M., assignor.)
- Johnson, Harry L., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Packing case or carton sealing machine. No. 1,223,176; Apr. 17; v. 237; p. 833.
- Johnson, Harry L., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Packing-case or carton-sealing machine. No. 1,242,945; Oct. 16; v. 243; p. 545.
- Johnson, Harry S. R., Sanford, Mich. Support. No. 1,223,795; Apr. 24; v. 237; p. 1081.
- Johnson, Henry A., Kansas City, Mo. Paper box. No. 1,211,857; Jan. 9; v. 234; p. 543.
- Johnson, Henry D., Dumfries, Va. Fluid-controlling valve for governors. No. 1,232,557; July 10; v. 240; p. 372.
- Johnson, Henry E., Jr., et al. (See Curtis, Joseph T., assignor.)
- Johnson, Henry L., Ewing, Mo. Cuspidor. No. 1,240,577; Sept. 18; v. 242; p. 652.
- Johnson, Herman C. (See Stahl and Johnson.)
- Johnson, Ida B., Crosbyton, Tex. Underwaist. No. 1,235,481; July 31; v. 240; p. 1408.
- Johnson, Iver R. (See Schuster and Johnson.)
- Johnson, J. B. (See Wildey, Arthur T., assignor.)
- Johnson, James A. (See Turner, Joseph B., assignor.)
- Johnson, James A., Norfolk, Va. Bottle-washing machine. No. 1,210,484; Jan. 2; v. 234; p. 37.
- Johnson, James B., Jester, Okla. Curbing for Artesian wells. No. 1,223,796; Apr. 24; v. 237; p. 1082.
- Johnson, James P., Cleveland, Ohio. Gear-grinding chuck. No. 1,219,740; Mar. 20; v. 236; p. 710.
- Johnson, James P., Toronto, Ontario, Canada. Automobile-washer. No. 1,230,072; June 12; v. 239; p. 617.
- Johnson, Jane M., Chicago, Ill. Combination corset and detachable abdominal support. No. 1,242,946; Oct. 16; v. 243; p. 545.
- Johnson, Jarvis M. (See Kinsler, George B., assignor.)
- Johnson, Jay M., Chicago, Ill. Coin-holder for coin-counting machines. No. 1,241,632; Oct. 2; v. 243; p. 53.
- Johnson, Jeremiah P., Detroit, Mich. Curtain construction for vehicles. No. 1,226,217; May 15; v. 238; p. 817.
- Johnson, Joel W., Pine Bluff, Ark. Speedometer-controlled ignition-circuit breaker. No. 1,223,177; Apr. 17; v. 237; p. 834.
- Johnson, John, Stoughton, Wis. Door-hinge fitter. No. 1,224,302; May 1; v. 238; p. 67.
- Johnson, John, Honolulu, Hawaii. Wrench. No. 1,232,806; July 10; v. 240; p. 454.
- Johnson, John A., Lexington, Miss. Egg-crate. No. 1,235,482; July 31; v. 240; p. 1408.
- Johnson, John A., Westerly, R. I. Crank-casing support. No. 1,239,915; Sept. 11; v. 242; p. 411.
- Johnson, John A., Manfred, N. D. Collapsible grain-cleaning device. No. 1,242,811; Oct. 9; v. 243; p. 467.
- Johnson, John A., assignor to The M. B. Schenck Company, Meriden, Conn. Socket structure for casters. No. 1,232,688; July 10; v. 240; p. 415.
- Johnson, John C., Cromwell, Iowa. Transmission mechanism. No. 1,229,088; June 5; v. 239; p. 239.
- Johnson, John C., assignor to Hummel & Downing Co., Milwaukee, Wis. Metal tiering and flap-retaining means for boxes. No. 1,241,633; Oct. 2; v. 243; p. 54.
- Johnson, John D., Aurora, Nebr. Package-tie. No. 1,221,741; Apr. 3; v. 237; p. 256.
- Johnson, John E. (See Hildebrand and Johnson.)
- Johnson, John E., Munising, Mich. Floor-clamp. No. 1,228,214; May 29; v. 238; p. 1554.
- Johnson, John E., Brooklyn, N. Y. Gage. No. 1,250,586; Dec. 18; v. 245; p. 699.
- Johnson, John E., assignor to Crescent Tool Company, Jamestown, N. Y. Combination-tool. No. 1,215,308; Feb. 6; v. 235; p. 287.
- Johnson, John E., assignor to Illinois Watch Case Co., Elgin, Ill. Case for cigarettes and the like. No. 1,229,967; June 12; v. 239; p. 583.
- Johnson, John E., and C. H. Oslund, Worcester, Mass. Rotary labeling-machine. No. 1,238,713; Aug. 28; v. 241; p. 1125.
- Johnson, John E., and C. H. Oslund, assignors to O & J Machine Co., Worcester, Mass. Conveying device. No. 1,245,730; Nov. 6; v. 244; p. 177.
- Johnson, John F., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Cement-gun apparatus. No. 1,223,586; Apr. 24; v. 237; p. 1005.
- Johnson, John H., Omaha, Nebr. Attachment for steel squares and the like. No. 1,225,132; May 8; v. 238; p. 406.
- Johnson, John H., assignor to Federal-Huber Company, Chicago, Ill. Valve. No. 1,241,519; Oct. 2; v. 243; p. 15.
- Johnson, John L., Nekoma, Kans. Steering apparatus. No. 1,224,549; May 1; v. 238; p. 156.
- Johnson, John L., assignor to Illinois Malleable Iron Co., Chicago, Ill. Molding-machine. No. 1,221,452; Apr. 3; v. 237; p. 158.
- Johnson, John M., Kansas City, Mo. Thermostatic indicator. No. 1,243,608; Oct. 16; v. 243; p. 745.
- Johnson, John S. (See Ashelman and Johnson.)
- Johnson, John T., Chicago, Ill. Gage. No. 1,225,819; May 15; v. 238; p. 682.
- Johnson, John W., and G. W. Hoover, Wapella, Ill. Brake mechanism. No. 1,225,965; May 15; v. 238; p. 731.
- Johnson, Jokum, et al. (See Johnson, Peter A., assignor.)
- Johnson, Joseph E., Jr., New York, N. Y. Composition of cast-iron. No. 1,217,184; Feb. 27; v. 235; p. 1078.
- Johnson, Joseph E., Jr., New York, N. Y. Furnace construction. No. 1,217,185; Feb. 27; v. 235; p. 1078.
- Johnson, Joseph E., Jr., New York, N. Y. Metallurgical process. No. 1,231,259; June 26; v. 239; p. 1090.
- Johnson, Joseph E., Jr., Hartsdale, N. Y. Producing ferrosilicon of high silicon content in blast-furnaces. No. 1,231,260; June 26; v. 239; p. 1090.
- Johnson, Joseph G., Eustis, Fla. Seed-gatherer. No. 1,212,644; Jan. 16; v. 234; p. 850.

- Johnson, Josiah F., Edgewood, Pa., assignor to The Westinghouse Machine Company. Automatic valve mechanism. No. 1,223,340; Apr. 17; v. 237; p. 885.
- Johnson, Lane, Kokomo, Ind. Clinker-grinder. No. 1,234,904; July 31; v. 240; p. 1235.
- Johnson, Lars. (See Davis and Johnson.)
- Johnson, Lawrence D., Melrose, and E. Erickson, Cliftondale; said Erickson assignor to Victor Shoe Machinery Company, Lynn, Mass. Stop-motion for power-driven machines. No. 1,243,609; Oct. 16; v. 243; p. 745.
- Johnson, Leonard V., and O. H. Benson, St. Michaels, Md. Edible container. No. 1,214,168; Jan. 30; v. 234; p. 1438.
- Johnson, Lewis H. (See Hinrichsen and Johnson.)
- Johnson, Lewis H., Bloomfield, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,210,652; Jan. 2; v. 234; p. 96.
- Johnson, Lewis H., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,210,653; Jan. 2; v. 234; p. 96.
- Johnson, Lewis H., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,212,492; Jan. 16; v. 234; p. 794.
- Johnson, Lewis H., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,212,493; Jan. 16; v. 234; p. 794.
- Johnson, Lewis H., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,212,494; Jan. 16; v. 234; p. 795.
- Johnson, Lewis H., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,212,495; Jan. 16; v. 234; p. 795.
- Johnson, Lewis H., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,215,378; Feb. 13; v. 235; p. 346.
- Johnson, Lewis H., Bloomfield, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,221,182; Apr. 3; v. 237; p. 64.
- Johnson, Lewis H., Bloomfield, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,221,865; Apr. 10; v. 237; p. 332.
- Johnson, Lewis H., Bloomfield, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,221,866; Apr. 10; v. 237; p. 333.
- Johnson, Lewis H., Bloomfield, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,227,153; May 22; v. 238; p. 1172.
- Johnson, Lewis H., Bloomfield, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,230,582; June 19; v. 239; p. 825.
- Johnson, Lloyd, Uhrichsville, Ohio. Torpedo guard-net. No. 1,249,107; Dec. 4; v. 245; p. 196.
- Johnson, Louis F., San Gabriel, Cal., assignor, by mesne assignments, to Power Developing Company. Dynamo-electric machine. No. 1,236,309; Aug. 7; v. 241; p. 249.
- Johnson, Louis K., assignor to S. J. Johnson, Brooklyn, N. Y. Compositor's type-setter channel. No. 1,244,094; Oct. 23; v. 243; p. 929.
- Johnson, Lynn D., Portland, Ore. Fuse and circuit tester. No. 1,249,965; Dec. 11; v. 245; p. 476.
- Johnson, Manfred, Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Automatic compensating device. No. 1,228,678; June 5; v. 239; p. 103.
- Johnson, Manfred J., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Synchronizing apparatus. No. 1,234,170; July 24; v. 240; p. 968.
- Johnson, Martin N., Moline, Ill. Feed-trough. No. 1,228,929; June 5; v. 239; p. 187.
- Johnson, Mary, New York, N. Y. Hand-protector. No. 1,215,163; Feb. 6; v. 235; p. 237.
- Johnson, Mary E., trustee. (See Bowker, Thomas F., assignor.)
- Johnson, Mason L., *et al.* (See Blevins, Kilgore, and Blevins, assignors.)
- Johnson, Mat P., Chico, Tex. Drop-feed for seeders and planters. No. 1,241,123; Sept. 25; v. 242; p. 854.
- Johnson, Merton E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-fitting machine. No. 1,237,523; Aug. 21; v. 241; p. 712.
- Johnson, Milo J., McBrides, Mich. Music-leaf turner. No. 1,235,807; Aug. 7; v. 241; p. 91.
- Johnson, Montgomery H., Utica, N. Y. Transmitter. No. 1,236,568; Aug. 14; v. 241; p. 366.
- Johnson, Morton L., Chicago, Ill. Signaling system. No. 1,218,563; Mar. 6; v. 236; p. 232.
- Johnson, Morton L., assignor, by mesne assignments, to Frank B. Cook Company, Chicago, Ill. Telephony. No. 1,230,170; June 19; v. 239; p. 687.
- Johnson, Morton L., assignor to Frank B. Cook Company, Chicago, Ill. Telephony. No. 1,236,569; Aug. 14; v. 241; p. 366.
- Johnson, Morton L., assignor to Automatic Electric Company, Chicago, Ill. Semi-automatic telephone-exchange system. No. 1,248,868; Dec. 4; v. 245; p. 131.
- Johnson, Nels M., and T. S. Quin, Chicago, Ill. Safety-indicator and license-bracket. No. 1,234,546; July 24; v. 240; p. 1090.
- Johnson, Nicolai B., Chicago, Ill. Athletic shoe. No. 1,229,278; June 12; v. 239; p. 354.
- Johnson, Nicolas, Eureka, Cal. Lumber-guide. No. 1,229,279; June 12; v. 239; p. 354.
- Johnson, Ole S., St. Paul, Minn. Domestic water-heater. No. 1,211,858; Jan. 9; v. 234; p. 543.
- Johnson, Oliver W., Cleveland, Ohio. Tractor drive-wheel and mounting for same. No. 1,219,323; Mar. 13; v. 236; p. 535.
- Johnson, Orville C., Aurora, Ill. Door-operating mechanism. No. 1,234,341; July 24; v. 240; p. 1023.
- Johnson, Oscar, Chicago, Ill. Electric switch. No. 1,233,364; July 17; v. 240; p. 670.
- Johnson, Oscar A., Wilsall, Mont. Stepping mechanism for vehicles. No. 1,232,689; July 10; v. 240; p. 415.
- Johnson, Oscar J., Cloquet, Minn. Garment-hanger. No. 1,238,781; Sept. 4; v. 242; p. 19.
- Johnston, Paul H., Davenport, Iowa. Spectacle and eyeglass mounting. No. 1,248,869; Dec. 4; v. 245; p. 131.
- Johnson, Peter A., Stoughton, Wis., assignor of one-third to R. Johnson and one-third to J. Johnson, Stoughton, Wis. Tractor. No. 1,246,603; Nov. 13; v. 244; p. 468.
- Johnson, Peter J., Petersburg, Va. Feeding-table for duplex box-nailers. No. 1,236,842; Aug. 14; v. 241; p. 456.
- Johnson, Pher E., and E. Anderson, Brooklyn, N. Y. Ladder-clamp. No. 1,241,392; Sept. 25; v. 242; p. 940.
- Johnson, Philip D., Chicago, assignor of one-half to C. A. Brown, Hinsdale, Ill. Liquid-fuel burner. No. 1,225,716; May 8; v. 238; p. 603.
- Johnson, Philip D., Chicago, assignor of one-half to C. A. Brown, Hinsdale, Ill. Oil-burner. No. 1,225,717; May 8; v. 238; p. 604.
- Johnson, Philip D., Chicago, assignor of one-half to C. A. Brown, Hinsdale, Ill. Oil-burner. No. 1,225,718; May 8; v. 238; p. 604.
- Johnson, Philip D., Chicago, assignor of one-half to C. A. Brown, Hinsdale, Ill. Pilot-burner. No. 1,225,719; May 8; v. 238; p. 605.
- Johnson, Philip D., Chicago, assignor of one-half to C. A. Brown, Hinsdale, Ill. Valve. No. 1,245,352; Nov. 6; v. 244; p. 62.
- Johnson, Pierce X., and F. J. Super, Portland, Oreg., assignors to Johnson-Bradford Safe Company. Safe-door. No. 1,235,808; Aug. 7; v. 241; p. 92.
- Johnson, Ralph A., Caldwell, Idaho. Replanting attachment for cultivators. No. 1,234,478; July 24; v. 240; p. 1069.
- Johnson, Richard, *et al.* (See Johnson, Peter A., assignor.)
- Johnson, Richard, Lake Benton, Minn. Draft appliance. No. 1,234,036; July 17; v. 240; p. 888.
- Johnson, Robert A., Springfield, Mass. Attachment for calipers. No. 1,234,342; July 24; v. 240; p. 1023.
- Johnson, Robert A., New Orleans, La. Insect-guard. No. 1,248,337; Nov. 27; v. 244; p. 1034.
- Johnson, Robert M. T., Binghamton, N. Y. Motor-vehicle body. No. 1,230,715; June 19; v. 239; p. 868.
- Johnson, Robert R., Atlanta, Ga. Ash-sifter. No. 1,217,314; Feb. 27; v. 235; p. 1122.
- Johnson, Rolly A. and G., assignors of one-sixth to F. C. Hoffer, one-sixth to C. F. Goudy, one-sixth to F. Sparks, and one-sixth to H. M. Hunter, Los Angeles, Cal. Valveless four-cycle engine. No. 1,224,468; May 1; v. 238; p. 128.
- Johnson, Royal K. (See Clemens and Johnson.)
- Johnson, Russell F., Roberts, Cal. Piston. No. 1,245,236; Nov. 6; v. 244; p. 29.
- Johnson, Sarah J. (See Johnson, Louis K., assignor.)
- Johnson Service Company. (See Fortier, Charles L., assignor.)
- Johnson, Sidney U., Universal, Ind. Porch-swing. No. 1,237,786; Aug. 21; v. 241; p. 796.
- Johnson, Solomon F., and L. P. Ayres, Indianapolis, Ind. Governor and automatic cut-out for electric generators. No. 1,219,001; Mar. 13; v. 236; p. 427.
- Johnson, Solomon F., and L. P. Ayres, Indianapolis, Ind. Electric switch. No. 1,219,002; Mar. 13; v. 236; p. 427.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Firearm. No. 1,212,773; Jan. 16; v. 234; p. 895.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Trigger mechanism for shoulder-arms. No. 1,213,204; Jan. 23; v. 234; p. 1077.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Combined box-magazine and finger-guard for bolt-action firearms. No. 1,214,923; Feb. 6; v. 235; p. 155.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Bolt-action shoulder-arm. No. 1,218,263; Mar. 6; v. 236; p. 132.

Alphabetical list of patentees—Continued.

- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Rear sight for bolt-action shoulder-arms. No. 1,220,637; Mar. 27; v. 236; p. 1063.
- Johnson, Thomas C., assignor to Winchester Repeating Arms Co., New Haven, Conn. Rear-sight bolt-action military arm. No. 1,225,640; May 8; v. 238; p. 578.
- Johnson, Thomas E. (See Canon, Edward L., assignor.)
- Johnson, Tomlinson F., Jr., Atlanta, Ga. Snap clamp or grip for electrical conductors. No. 1,244,339; Oct. 23; v. 243; p. 1003.
- Johnson Van Vlaanderen Machine Company, The. (See Buhl, Cay, assignor.)
- Johnson, Victor S. (See Davis and Johnson.)
- Johnson, Victor S., assignor to The Mantle Lamp Company of America, Chicago, Ill. Lamp. No. 1,211,163; Jan. 2; v. 234; p. 269.
- Johnson, Vincent K., Indianapolis, Ind., assignor of one-half to D. M. Moroney. Trolley-wheel. No. 1,219,820; Mar. 20; v. 236; p. 739.
- Johnson, W. P. (See Newton, George W., assignor.)
- Johnson, Walter J., Owensville, Ind. Disk-harrow cleaner. No. 1,230,716; June 19; v. 239; p. 868.
- Johnson, Walter J. O., assignor to H. S. Folger, Chicago, Ill. Mandrel-press. No. 1,222,631; Apr. 17; v. 237; p. 645.
- Johnson, Walter J. O., assignor to H. S. Folger, Chicago, Ill. Multiplying-gear for arbor-presses. No. 1,232,558; July 10; v. 240; p. 372.
- Johnson, Walter T., Macon, Ga. Rail-joint. No. 1,243,070; Oct. 16; v. 243; p. 586.
- Johnson, Warren V., Bloomsburg, Pa., assignor to American Car and Foundry Company, St. Louis, Mo. Interlocked mine-car wheel and journal-box. No. 1,244,739; Oct. 30; v. 243; p. 1163.
- Johnson, Warren V., Bloomsburg, Pa., and F. H. Gibbs, Brooklyn, N. Y., assignors to American Car and Foundry Company, St. Louis, Mo. Mine-car assembly. No. 1,244,740; Oct. 30; v. 243; p. 1163.
- Johnson, Wilfred G., Elyria, assignor to The Cleveland Motorcycle Manufacturing Company, Cleveland, Ohio. Motor-cycle transmission mechanism. No. 1,218,667; Mar. 13; v. 236; p. 307.
- Johnson, William B., New Haven, Conn. Pendent swivel bench-stool. No. 1,219,324; Mar. 13; v. 236; p. 536.
- Johnson, William N., Minnedosa, Manitoba, Canada. Vehicle-license-number exhibitor. No. 1,240,347; Sept. 18; v. 242; p. 582.
- Johnson, William O., River Rouge, Mich. Tie-holder. No. 1,247,539; Nov. 20; v. 244; p. 773.
- Johnson, William R., Camden, N. J. Fiber-cleaning machine. No. 1,224,648; May 1; v. 238; p. 189.
- Johnson, William S., Berwick, Pa., assignor to American Car and Foundry Company, St. Louis, Mo. Forging-machine. No. 1,244,741; Oct. 30; v. 243; p. 1163.
- Johnson, Willis, Gregory, Mo. Hat-pin-point protector. No. 1,229,689; June 5; v. 239; p. 240.
- Johnson, Willis F., Riverside, Cal. Automatic life-preserver. No. 1,236,310; Aug. 7; v. 241; p. 249.
- Johnson, Woolsey M., Hartford, Conn. Continuous zinc-smelter. No. 1,244,504; Oct. 30; v. 243; p. 1090.
- Johnson, Woolsey M., assignor to The Continuous Zinc Furnace Company, Hartford, Conn. Treatment of copper-nickel pyrrhotite. No. 1,238,298; Aug. 28; v. 241; p. 995.
- Johnson, Woolsey M., assignor to The Continuous Zinc Furnace Company, Hartford, Conn. Making alloy castings. No. 1,243,416; Oct. 16; v. 243; p. 687.
- Johnson, Albert F., assignor of one-third to L. Ries and one-third to A. N. Ries, Toledo, Ohio. Circular glass-cutter. No. 1,219,461; Mar. 20; v. 236; p. 613.
- Johnson, Amedee B., San Francisco, Cal. Train cash-register. No. 1,230,171; June 19; v. 239; p. 688.
- Johnson, Arthur C., assignor to Link-Belt Company, Chicago, Ill. Material-handling apparatus. No. 1,232,559; July 10; v. 240; p. 372.
- Johnson, Benjamin F., assignor of one-half to W. B. Mowbray, Ogden, Utah. Alarm device for motor-vehicles. No. 1,239,602; Sept. 11; v. 242; p. 309.
- Johnson, Charles E. (See Dudley, John Z., assignor.)
- Johnson, Clarence L. (See Brown and Johnson.)
- Johnson, Clarence S., Glendive, Mont., assignor of one-fourth to C. H. Crockard and one-fourth to S. H. Clark, Bismarck, N. D. Demountable rim. No. 1,218,945; Mar. 13; v. 236; p. 407.
- Johnson, David A. E., Helena, Ark. Type-writer attachment. No. 1,214,169; Jan. 30; v. 234; p. 1438.
- Johnson, David W., G. G. and S. S. Girling, Saanich, Vancouver Island, British Columbia, Canada. Road-oil-spreading nozzle. No. 1,243,417; Oct. 16; v. 243; p. 687.
- Johnston, Donald F., Toronto, Ontario, Canada. Automobile construction. No. 1,246,604; Nov. 13; v. 244; p. 469.
- Johnston, Edward A., Chicago, Ill., assignor, by mesne assignments, to International Harvester Corporation. Carbureter. No. 1,221,183; Apr. 3; v. 237; p. 64.
- Johnston, George C., Cuba, Ill. Foldable hanging seat. No. 1,217,950; Mar. 6; v. 236; p. 22.
- Johnston, Greenhow, Richmond, Va. Collapsible pontoon. No. 1,215,164; Feb. 6; v. 235; p. 237.
- Johnston, Gustave, Chicago, Ill. Rail-saw. No. 1,232,042; July 3; v. 240; p. 171.
- Johnston Harvester Company, The. (See Pollard, Arthur L., assignor.)
- Johnston, Henry A. (See Pidgin, Charles F., assignor.)
- Johnston, Herbert L., assignor to The Hobart Manufacturing Company, Troy, Ohio. Meat-chopper and the like. No. 1,219,557; Mar. 20; v. 236; p. 648.
- Johnston, Hugh, Toronto, Ontario, Canada. Game apparatus. No. 1,221,803; Apr. 3; v. 237; p. 278.
- Johnston, Hugh, Toronto, Ontario, Canada. Screen. No. 1,245,237; Nov. 6; v. 244; p. 29.
- Johnston, James G., Evanston, Ill., assignor to Warren Featherbone Company, Three Oaks, Mich. Stock-mount. No. 1,221,184; Apr. 3; v. 237; p. 65.
- Johnston, James O., Gem, Idaho. Neck-yoke. No. 1,240,052; Sept. 11; v. 242; p. 450.
- Johnston, James S., Utica, N. Y. Rim. No. 1,223,797; Apr. 24; v. 237; p. 1082.
- Johnston, James S., Utica, N. Y. Cloth-piler. No. 1,224,550; May 1; v. 238; p. 156.
- Johnston, James S., Utica, N. Y. Carbureter. No. 1,234,343; July 24; v. 240; p. 1023.
- Johnston, John. (See McKim and Johnston.)
- Johnston, John, London, England. Rotary compressor or exhauster. No. 1,233,581; July 17; v. 240; p. 744.
- Johnston, John A., Springfield, Mass. Spray-nozzle. No. 1,230,487; June 19; v. 239; p. 792.
- Johnston, John A., Springfield, Mass. Method of and apparatus for road-making. No. 1,242,558; Oct. 9; v. 243; p. 386.
- Johnston, John E., New York, N. Y. Horse-stock. No. 1,235,483; July 31; v. 240; p. 1409.
- Johnston, Millard L., Utica, N. Y. Clutch. No. 1,241,860; Oct. 30; v. 243; p. 1198.
- Johnston, Paul H., Davenport, Iowa. Ophthalmic mounting. No. 1,230,488; June 19; v. 239; p. 793.
- Johnston, Paul H., Davenport, Iowa. Mounting for ophthalmic lenses. No. 1,243,743; Oct. 23; v. 243; p. 817.
- Johnston, Philip, Merrick, Okla. Comb-cleaner. No. 1,245,463; Nov. 6; v. 244; p. 96.
- Johnston, R. D., Jr. (See McCaffrey, William H., assignor.)
- Johnston, Robert P., Asheville, N. C. Circuit-closing device. No. 1,240,147; Sept. 11; v. 242; p. 479.
- Johnston, Sadie L., New York, N. Y. Cigarette-case. No. 1,236,442; Aug. 14; v. 241; p. 325.
- Johnston, Samuel W., Chadbourn, N. C. Shade-raiser. No. 1,232,927; July 10; v. 240; p. 494.
- Johnston, Walter R., and J. A. Schlotterbeck, Hillsdale, N. J. Meat-grinding attachment. No. 1,217,006; Feb. 20; v. 235; p. 973.
- Johnston, Walter W., Gadsden, Ala. Mold for culverts. No. 1,241,393; Sept. 25; v. 242; p. 940.
- Johnston, Walter W., Gadsden, Ala. Mold for culverts. No. 1,244,214; Oct. 23; v. 243; p. 965.
- Johnston, Warren F., West Carrollton, Ohio. Spark-plug-insulating means. No. 1,222,768; Apr. 17; v. 237; p. 692.
- Johnston, William A., assignor of one-half to W. Queenan, Aurora, Ill. Pipe-coupling. No. 1,216,459; Feb. 20; v. 235; p. 786.
- Johnston, William H. (See Robertson, William P., assignor.)
- Johnston, William J., Port Carling, assignor of one-half to J. R. C. Hodgson, Gregory, Ontario, Canada. Motor attachment for boats. No. 1,225,252; May 8; v. 238; p. 445.
- Johnston, William R., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Motor-control system. No. 1,231,614; July 3; v. 240; p. 25.
- Johnston, William T., Newport, Ky. Pipe-threading machine. No. 1,231,743; July 3; v. 240; p. 71.
- Johnstone, Hugo R., Pasadena, Cal. Butt-rest for a fishing-rod. No. 1,223,884; Apr. 24; v. 237; p. 1112.
- Johnstone, Robert A., Ness City, Kans. Razor-blade holder. No. 1,212,956; Jan. 16; v. 234; p. 957.
- Joiner, Sylvester L., Monroe, La. Lantern-bracket and flag-holder. No. 1,246,749; Nov. 13; v. 244; p. 510.
- Joiette, Ernest A., Edmonton, Alberta, Canada. Operating device for beaters. No. 1,246,103; Nov. 13; v. 244; p. 317.
- Joleen, Nels, Chicago, Ill. Electric control system. No. 1,229,470; June 12; v. 239; p. 419.
- Joliet Railway Supply Company. (See Schultz, Richard F. C., assignor.)
- Joliot, André M. A., assignor to La Société "Aéra," Paris, France. Speed-indicator. No. 1,231,899; July 3; v. 240; p. 122.
- Jolley, Jasper W. (See Robbins and Jolley.)
- Jolliffe, John W. (See Lupton and Jolliffe.)
- Jolly, William E., and C. D. Fortier, Rahway, N. J. Color-frame. No. 1,213,653; Jan. 23; v. 234; p. 1232.
- Joly, Cezaire, Salem, Mass. Automatic train-stopping mechanism. No. 1,224,932; May 8; v. 238; p. 339.
- Jonas, Charles E., Edwards, Mo. Frictional gearing. No. 1,218,564; Mar. 6; v. 236; p. 233.
- Jonas, Julius, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Magnetically-controlled mercury-vapor apparatus and the like. No. 1,212,774; Jan. 16; v. 234; p. 896.
- Jonasson, Jacob, Des Moines, Iowa. Tone-arm. No. 1,232,807; July 10; v. 240; p. 455.
- Jonasson, John E., Bow, Wash. Irrigator. No. 1,228,777; June 5; v. 239; p. 138.

- Jones, Aaron J., Ancon, Canal Zone. Pliers. No. 1,231,167; June 26; v. 239; p. 1060.
- Jones, Albert C. (See Wade, Edwin T., assignor.)
- Jones, Albert W., Chicago, Ill. Belt-coupling. No. 1,248,128; Nov. 27; v. 244; p. 975.
- Jones, Alfred M., Des Moines, Iowa, assignor to H. R. Jones, Columbus, Ohio. Surgical appliance. No. 1,215,028; Feb. 6; v. 235; p. 193.
- Jones, Alva D., Philadelphia, Pa. Talking-machine cabinet. No. 1,228,446; June 5; v. 239; p. 24.
- Jones, Alva D., Philadelphia, Pa., assignor of one-fifth to E. H. Fairbanks, Merchantville, N. J. Sound-box. No. 1,220,638; Mar. 27; v. 236; p. 1064.
- Jones, Alva D., assignor of forty one-hundredths to F. Lyster, Philadelphia, Pa. Sound-transmitting apparatus. No. 1,249,409; Dec. 11; v. 245; p. 314.
- Jones, Anthony L., Columbia, S. C. Planter. No. 1,212,007; Jan. 9; v. 234; p. 614.
- Jones, Archibald B., San Francisco, Cal. Thermostatic fire-signal. No. 1,213,654; Jan. 23; v. 234; p. 1233.
- Jones, Benjamin, and P. J. Rees, Gwaun-Cae-Gurwen, Wales. Means for preventing the raising of dust by motor-vehicles. No. 1,216,131; Feb. 13; v. 235; p. 620.
- Jones, Benjamin H., St. Louis, Mo. Folding cot-bed. No. 1,218,868; Mar. 18; v. 236; p. 382.
- Jones Bros. Overall Company. (See Jones, David R., Jr., assignor.)
- Jones, Campbell P. (See Chauvin, James F., assignor.)
- Jones, Charles C., Los Angeles, Cal. Vacuum refrigerating system. No. 1,246,817; Nov. 13; v. 244; p. 530.
- Jones, Charles E. (See Bair and Greene, assignors.)
- Jones, Charles E., assignor to Metal Arts & Crafts Co., Chicago, Ill. Hanger for light-reflecting bowls. No. 1,221,059; Apr. 3; v. 237; p. 19.
- Jones, Charley C., Cedar Vale, Kans. Mail-catcher. No. 1,243,945; Oct. 23; v. 243; p. 885.
- Jones, Chelsie E. (See Pearson and Jones.)
- Jones, Chesney L., Oakland, assignor of one-half to F. J. Molt, Riverdale, N. J. Composition of matter. No. 1,244,742; Oct. 30; v. 243; p. 1164.
- Jones, Clarence H., assignor of one-half to H. C. Bromley, Seattle, Wash. Casing for piles. No. 1,211,164; Jan. 2; v. 233; p. 269.
- Jones, Clyde A. (See Winslow and Jones.)
- Jones, Columbus, Washington, Kans. Revolving hay-rack. No. 1,239,107; Sept. 4; v. 242; p. 124.
- Jones, Daniel M., Chattanooga, Tenn. Duplex-mold liner for linotype-slug-casting machines. No. 1,243,527; Oct. 16; v. 243; p. 721.
- Jones, David B. (See Fulton, Charles H., assignor.)
- Jones, David R., Red Wing, Minn. Dust-collector. No. 1,231,371; June 26; v. 239; p. 1128.
- Jones, David R., Jr., assignor to Jones Bros. Overall Company, Dubuque, Iowa. Sleeping-robe. No. 1,225,966; May 15; v. 238; p. 731.
- Jones, David R., Jr., assignor to Jones Bros. Overall Co., Dubuque, Iowa. Child's undergarment. No. 1,249,108; Dec. 4; v. 245; p. 196.
- Jones, Edmund C., Cincinnati, Ohio. Railway-switch. No. 1,251,041; Dec. 25; v. 245; p. 884.
- Jones, Edward A. and J. E., assignors to Engineers Specialty Company, Scranton, Pa. Lubricator. No. 1,217,951; Mar. 6; v. 236; p. 22.
- Jones, Edward E., Berkeley, Cal. Fender. No. 1,217,605; Feb. 27; v. 235; p. 1227.
- Jones, Edward M., Winchester, Ky. Comb. No. 1,226,527; May 15; v. 238; p. 920.
- Jones, Edward S., Mobile, Ala. Blind-opener and latch control. No. 1,220,144; Mar. 20; v. 236; p. 856.
- Jones, Edward S., assignor of one-half to M. Van Heuvel, Mobile, Ala. Ship-davit. No. 1,218,087; Mar. 6; v. 236; p. 69.
- Jones, Edward S., assignor of one-tenth to M. W. and N. H. Meyer, Mobile, Ala. Resilient tire. No. 1,241,852; Oct. 2; v. 243; p. 123.
- Jones, El Dorado, and R. P. Upton, Moline, Ill., assignors, by mesne assignments, to Cook Muffler Co. Exhaust attachment for gas-engines. No. 1,229,471; June 12; v. 239; p. 419.
- Jones, Eli, Lexington, Tenn. Cutter-head. No. 1,245,238; Nov. 6; v. 244; p. 29.
- Jones, Eli, assignor of one-half to R. A. Lewis, Lexington, Tenn. Lock-washer. No. 1,228,679; June 5; v. 239; p. 104.
- Jones, Enoch E., Los Angeles, Cal. Starting mechanism for internal-combustion motors. No. 1,220,853; Mar. 27; v. 236; p. 1138.
- Jones, Ernest B., West Canaan, N. H. Mortising-jig. No. 1,210,942; Jan. 2; v. 234; p. 195.
- Jones, Erwin R. (See Miller, Andrew F., assignor.)
- Jones, Eugene W., et al. (See Gray, Harry M., assignor.)
- Jones, Evan B., La Grande, Oreg. Glove. No. 1,231,168; June 26; v. 239; p. 1061.
- Jones, F. E., et al. (See Bretz, George W., assignor.)
- Jones, Francis M., Oakland, Cal. Bicycle crank-hanger. No. 1,235,530; July 31; v. 240; p. 1426.
- Jones, Frank, Oakland, Cal. Grease-retainer. No. 1,248,129; Nov. 27; v. 244; p. 975.
- Jones, Frank E., South Coffeyville, Okla. Door latch and holdback. No. 1,224,749; May 1; v. 238; p. 226.
- Jones, Frederick W., and L. Glass, Milwaukee, Wis. Permutation-lock. No. 1,240,854; Sept. 25; v. 242; p. 772.
- Jones, George, Manor Park, England. Conveyer for coal-ing ships and other such purposes. No. 1,239,400; Sept. 4; v. 242; p. 217.
- Jones, George B., assignor to The Globe Stove & Range Company, Kokomo, Ind. Electric heating element. No. 1,234,670; July 24; v. 240; p. 1128.
- Jones, George C., Kansas City, Kans. Automatically-swinging headlight. No. 1,219,947; Mar. 20; v. 236; p. 784.
- Jones, George G., Cleveland, Ohio. Emblem. No. 1,220,233; Mar. 27; v. 236; p. 921.
- Jones, George M. (See Aaron and Jones.)
- Jones, Grover H., Los Angeles, Cal. Counter. No. 1,243,610; Oct. 16; v. 243; p. 746.
- Jones, Harriet B., Baltimore, Md. Fruit seeder or pitter. No. 1,220,854; Mar. 27; v. 236; p. 1138.
- Jones, Harry, Suffern, N. Y., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del. Brake-shoe. No. 1,218,668; Mar. 13; v. 236; p. 307.
- Jones, Harry, Suffern, N. Y., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del. Reinforcing-back for brake-shoes. No. 1,224,867; May 1; v. 238; p. 265.
- Jones, Harry, Suffern, N. Y., assignor, by mesne assignments, to The American Brake Shoe & Foundry Company, Wilmington, Del. Brake-shoe. No. 1,225,336; May 8; v. 238; p. 477.
- Jones, Harry, and R. C. Augur, Suffern, N. Y., assignors, by mesne assignments, to The American Brake Shoe & Foundry Company, Wilmington, Del. Composition-filled brake-shoe. No. 1,213,379; Jan. 23; v. 234; p. 1139.
- Jones, Harry B., Clay City, Ind. Tire-pump. No. 1,217,771; Feb. 27; v. 235; p. 1283.
- Jones, Harry R., Danville, Pa. Receptacle. No. 1,245,925; Nov. 6; v. 244; p. 237.
- Jones, Harry W., San Francisco, Cal., assignor to American Can Company, New York, N. Y. Making paper boxes. No. 1,236,443; Aug. 14; v. 241; p. 325.
- Jones, Harry W., San Francisco, Cal., assignor to American Can Company, New York, N. Y. Making paper boxes. No. 1,236,444; Aug. 14; v. 241; p. 325.
- Jones, Harry W., San Francisco, Cal., assignor to American Can Company, New York, N. Y. Box for cigarettes and the like. No. 1,246,932; Nov. 20; v. 244; p. 601.
- Jones, Henry A., and B. C. Harrell, Yancey, Tex. Boll-weevil machine. No. 1,243,302; Oct. 16; v. 243; p. 655.
- Jones, Henry D. (See Greiner and Jones.)
- Jones, Henry D., assignor to The Kelly-Springfield Road Roller Company, Springfield, Ohio. Scarifying attachment for road-engines. No. 1,226,528; May 15; v. 238; p. 920.
- Jones, Henry D., assignor to The Kelly-Springfield Road Roller Company, Springfield, Ohio. Scarifying device for road-engines. No. 1,230,302; June 19; v. 239; p. 731.
- Jones, Henry D., assignor to The Kelly-Springfield Road Roller Company, Springfield, Ohio. Tool for scarifying devices. No. 1,236,311; Aug. 7; v. 241; p. 250.
- Jones, Hilles C., Allentown, N. J. Hose-clamp. No. 1,236,312; Aug. 7; v. 241; p. 250.
- Jones, Robert R. (See Jones, Alfred M., assignor.)
- Jones, Horace E., Ebensburg, Pa. Wheel-holder. No. 1,226,335; May 15; v. 238; p. 860.
- Jones, Horatio S., Kansas City, Mo. Operating-table. No. 1,249,410; Dec. 11; v. 245; p. 314.
- Jones, Howard B., Evanston, Ill. Pump. No. 1,240,855; Sept. 25; v. 242; p. 772.
- Jones, Howard B., Chicago, Ill. Game apparatus. No. 1,242,198; Oct. 9; v. 243; p. 272.
- Jones, Howard H. (See Brassett and Jones.)
- Jones, Hugh G., Glen, Colo. Sliding-gate hanger. No. 1,218,869; Mar. 13; v. 236; p. 382.
- Jones, Ira, Pottstown, Pa. Detachable coffee-pot handle. No. 1,231,372; June 26; v. 239; p. 1128.
- Jones, J. Albert, Marcellus, Mich. Head-lamp control for motor-vehicles. No. 1,226,529; May 15; v. 238; p. 920.
- Jones, J. H. (See Dixon, John M., assignor.)
- Jones, James C., Philadelphia, Pa. Mail-bag-transferring device. No. 1,227,914; May 29; v. 238; p. 1455.
- Jones, James F., Moneta, assignor of one-half to Floete Lumber Company, Spencer, Iowa. Sack-baler. No. 1,249,109; Dec. 4; v. 245; p. 196.
- Jones, James H., et al. (See Kottemann, Otto A., assignor.)
- Jones, James L. (See Jones, Melville E., Jr., and J. L.)
- Jones, Jesse B., Arcata, Cal. Resilient tire. No. 1,243,303; Oct. 16; v. 243; p. 655.
- Jones, Jesse L., Oakmont, Pa., assignor to Westinghouse Electric and Manufacturing Company. Etching metals. No. 1,248,499; Dec. 4; v. 245; p. 21.
- Jones, Jesse W., Birmingham, Ala. Jack. No. 1,227,448; May 22; v. 238; p. 1266.
- Jones, John A., Farmington, Me. Trap-nest for hens. No. 1,221,540; Apr. 3; v. 237; p. 189.
- Jones, John A., C. O. Rowe, and C. E. Johnson, Palestine, Tex. Sanitary cigarette-paper receptacle. No. 1,212,068; Jan. 9; v. 234; p. 615.
- Jones, John D., Walla Walla, Wash. Threshing-cylinder. No. 1,215,940; Feb. 13; v. 235; p. 550.
- Jones, John D., Walla Walla, Wash. Valve. No. 1,226,671; May 22; v. 238; p. 1005.
- Jones, John D., Walla Walla, Wash. Self-oiling bushing. No. 1,230,823; June 19; v. 239; p. 904.

Alphabetical list of patentees—Continued.

- Jones, John D., Walla Walla, Wash. Lubricator for engines. No. 1,231,615; July 3; v. 240; p. 26.
- Jones, John D., Walla Walla, Wash. Piston-rod. No. 1,231,900; July 3; v. 240; p. 123.
- Jones, John D., Walla Walla, Wash. Internal-combustion engine. No. 1,231,901; July 3; v. 240; p. 123.
- Jones, John D., Walla Walla, Wash. Grain-winning machine. No. 1,235,899; Aug. 7; v. 241; p. 121.
- Jones, John D., Walla Walla, Wash. Grain-separator. No. 1,249,966; Dec. 11; v. 245; p. 476.
- Jones, John D., assignor of one-half to H. C. Baker, Walla Walla, Wash. Fan. No. 1,226,670; May 22; v. 238; p. 1005.
- Jones, John E. (See Jones, Edward A. and J. E.)
- Jones, John T., Clifton, N. Y. Calculating instrument. No. 1,214,040; Jan. 30; v. 234; p. 1396.
- Jones, John T., Ernest, Pa. Miner's lamp. No. 1,218,185; Mar. 6; v. 236; p. 103.
- Jones, Joseph S., New York, N. Y. Electric switch. No. 1,217,114; Feb. 20; v. 235; p. 1010.
- Jones, Joseph W., Pelham, assignor to Jones Motrola, Inc., New York, N. Y. Winding device for spring-motors. No. 1,219,325; Mar. 13; v. 236; p. 536.
- Jones, Joshua J., Schenectady, N. Y. Throttle-valve mechanism for locomotives. No. 1,229,968; June 12; v. 239; p. 583.
- Jones, La Mar R. (See Grimshaw and Jones.)
- Jones & Lamson Machine Company. (See Flanders, Ralph E., assignor.)
- Jones, Lawrence E., Liberty, Mo. Direction-indicator for motor-vehicles. No. 1,245,731; Nov. 6; v. 244; p. 178.
- Jones, Llewellyn J., and G. R. Monro, Toledo, Ohio. Shutter means for lamps. No. 1,215,029; Feb. 6; v. 235; p. 193.
- Jones, Louis C. (See Pennock, Jones, and Grover.)
- Jones, Louis C., and F. L. Grover, Syracuse, assignors to The Solvay Process Company, Solvay, N. Y. Recovering constituents of value from alkaline deposits. No. 1,215,543; Feb. 13; v. 235; p. 405.
- Jones, Louis C., and F. L. Grover, Syracuse, assignors to The Solvay Process Company, Solvay, N. Y. Recovering potassium chlorid from alkaline deposits. No. 1,215,544; Feb. 13; v. 235; p. 406.
- Jones, Louis C., and F. L. Grover, Syracuse, assignors to The Solvay Process Company, Solvay, N. Y. Recovering borax from alkaline deposits. No. 1,215,545; Feb. 13; v. 235; p. 406.
- Jones, Louis C., and G. N. Terziev, Syracuse, assignors to The Solvay Process Company, Solvay, N. Y. Producing chlorin gas. No. 1,236,570; Aug. 14; v. 241; p. 367.
- Jones, Louis C., F. L. Grover, and J. L. Silsbee, Syracuse, assignors to The Solvay Process Company, Solvay, N. Y. Recovering potassium and magnesium chlorids from natural deposits. No. 1,215,546; Feb. 13; v. 235; p. 406.
- Jones, Louis W., Pittsburgh, Pa. Pipe-vise and mounting. No. 1,227,449; May 22; v. 238; p. 1266.
- Jones, Lucy B., Chattanooga, Tenn. Millinery-cabinet. No. 1,225,641; May 8; v. 238; p. 578.
- Jones, Lulu. (See Morgan, John, assignor.)
- Jones, Marcellus W., Carthage, Mo. Safety-hook. No. 1,215,281; Feb. 6; v. 235; p. 278.
- Jones, Marshal E., Sparta, Ill. Convertible agricultural implement. No. 1,214,041; Jan. 30; v. 234; p. 1396.
- Jones, Marshall N., Denver, Colo., assignor to National Glass Casket Company. Coffin. No. 1,224,383; May 1; v. 238; p. 96.
- Jones, Martin A., McGregor, Tex. Cotton-chopper. No. 1,214,684; Feb. 6; v. 235; p. 71.
- Jones, Mary B., Springfield, Ohio. Cake-pan. No. 1,229,280; June 12; v. 239; p. 354.
- Jones, Maxwell M., Chicago, Ill. Bath-cabinet heater. No. 1,240,053; Sept. 11; v. 242; p. 451.
- Jones, Melville E., Jr., and J. L., Washington, D. C. Vehicle-lifting mechanism. No. 1,236,571; Aug. 14; v. 241; p. 367.
- Jones Motrola, Inc. (See Jones, Joseph W., assignor.)
- Jones, Nestor L. (See Wilson and Jones.)
- Jones, Oscar O., Ontonagon, Mich. Self-cleaning curry-comb. No. 1,225,133; May 8; v. 238; p. 406.
- Jones, Owen M., New York, N. Y. System for controlling the levels of liquids. No. 1,227,540; May 22; v. 238; p. 1297.
- Jones, Pearl N., Pittsburgh, Pa. Passenger-car. No. 1,236,943; Aug. 14; v. 241; p. 489.
- Jones, Prior A. (See Griffin and Jones.)
- Jones, Ralph E., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electrical appliance for panel-boards. No. 1,218,407; Mar. 6; v. 236; p. 180.
- Jones, Rees J. (See Bearce and Jones.)
- Jones, Richard E., Hagerstown, Md. Latch. No. 1,240,578; Sept. 18; v. 242; p. 652.
- Jones, Robert C., New Cumberland, W. Va. Release-socket. No. 1,232,928; July 10; v. 240; p. 495.
- Jones, Rufus E., Milwaukee, Wis. Light-projecting apparatus. No. 1,235,484; July 31; v. 240; p. 1409.
- Jones, Thomas E., Hammond, Ind. Egg-beater. No. 1,246,104; Nov. 13; v. 244; p. 317.
- Jones, Vern L., assignor to The Farrand Company, Detroit, Mich. Automatic regulator for pneumatic pianos. No. 1,223,885; Apr. 24; v. 237; p. 1112.
- Jones, Walter, Amblecote, Stourbridge, England. Purification of sewage and analogous liquids. No. 1,247,540; Nov. 20; v. 244; p. 774.
- Jones, Walter, Stourbridge, England. Purification of sewage and other liquids. No. 1,247,541; Nov. 20; v. 244; p. 774.
- Jones, Walter, Stourbridge, England. Purification of sewage and analogous liquids. No. 1,247,542; Nov. 20; v. 244; p. 774.
- Jones, Walter, Stourbridge, England. Purification of sewage and analogous liquids. No. 1,247,543; Nov. 20; v. 244; p. 775.
- Jones, Walter A. (See De Vaughn, Harry E., assignor.)
- Jones, Walter A. (See Waggoner, Chauncey W., assignor.)
- Jones, Walter A., Morgantown, W. Va. Glass-tank. No. 1,250,893; Dec. 18; v. 245; p. 790.
- Jones, Walter C., Chicago, Ill. Separable attachment-plug. No. 1,225,337; May 8; v. 238; p. 477.
- Jones, Walter J., New York, N. Y., assignor to General Electric Company. Incandescent-lamp socket. (Reissue.) No. 14,341; Aug. 7; v. 241; p. 274.
- Jones, Walter S., Athens, Ga. Razor-stroppler. No. 1,244,095; Oct. 23; v. 243; p. 930.
- Jones, Washington S., Lockhart, Miss. Farming implement. No. 1,219,107; Mar. 13; v. 236; p. 462.
- Jones, Wesley C., Portland, Ore. Computing attachment for dial-scales. No. 1,225,134; May 8; v. 238; p. 407.
- Jones, Whitman G., Great Falls, Mont. Wire-hoist. No. 1,233,244; July 10; v. 240; p. 594.
- Jones, Wiley, Westerly, W. Va. Speeder mechanism for motor-boats. No. 1,239,186; Sept. 4; v. 242; p. 148.
- Jones, William, New York, N. Y. Apparatus for the production of oxygen and hydrogen gases. No. 1,212,229; Jan. 16; v. 234; p. 700.
- Jones, William A., West New Brighton, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Superheater-boiler. No. 1,242,447; Oct. 9; v. 243; p. 350.
- Jones, William D., Brooklyn, assignor to Universal Stamping Machine Co., New York, N. Y. Feeding and separating device for mail-marking machines. No. 1,214,474; Jan. 30; v. 234; p. 1542.
- Jones, William G., assignor to Accounting Devices Company, Evanston, Ill. Loose-leaf binder. No. 1,241,220; Sept. 25; v. 242; p. 885.
- Jones, William G. A., Denver, Colo. Folding easel. No. 1,225,642; May 8; v. 238; p. 579.
- Jones, William H., Nelson, Cal. Harrow-evers. No. 1,212,957; Jan. 16; v. 234; p. 957.
- Jones, William H., Ottumwa, Iowa. Stump-burning device. No. 1,231,535; June 26; v. 239; p. 1180.
- Jones, William J., Martinsville, Va. Vehicle-wheel. No. 1,225,967; May 15; v. 238; p. 731.
- Jones, William K., Wichita, Kans. Combination-suit. No. 1,219,326; Mar. 13; v. 236; p. 536.
- Jones, William K., Wichita, Kans. Infant's apparel. (Reissue.) No. 14,328; July 17; v. 240; p. 911.
- Jones, William K., Wichita, Kans. Infant's apparel. (Reissue.) No. 14,339; Oct. 30; v. 243; p. 1290.
- Jones, William S., Des Moines, Iowa. Attachment for presses. No. 1,238,299; Aug. 28; v. 241; p. 995.
- Jones, William W. (See Malvern and Jones.)
- Jones, William W., assignor of one-fifth to R. E. Gearhart and one-fifth to E. Carpenter, Maryville, Mo. Resilient wheel. No. 1,221,995; Apr. 10; v. 237; p. 379.
- Jonish, Florian, Wavy Creek, Saskatchewan, Canada. Sleigh-runner. No. 1,212,496; Jan. 16; v. 234; p. 796.
- Jonson, Henriette W., assignor of two-thirds to A. E. Fox, Philadelphia, Pa. Milk and bread box. No. 1,223,178; Apr. 17; v. 237; p. 834.
- Jonsson, Alfred, Lidsköpings, Sweden. Drill-chuck. No. 1,249,766; Dec. 11; v. 245; p. 417.
- Jonsson, Olaf, Milwaukee, Wis. Draft device. No. 1,231,373; June 26; v. 239; p. 1128.
- Jontz, Guy F., Moline, Ill. Pressure-generator. No. 1,249,767; Dec. 11; v. 245; p. 418.
- Joost, William E. (See Pruitt, Conrad D., assignor.)
- Jope, Thomas E., New York, N. Y. Picture-frame. No. 1,226,077; May 15; v. 238; p. 770.
- Jopson, William G., Abington, Mass. Apparatus for removing yarn from bobbins. No. 1,243,071; Oct. 16; v. 243; p. 586.
- Jordahl, Anders, Berlin, Germany. Centering for reinforced-concrete floors and roofs. No. 1,241,124; Sept. 25; v. 242; p. 854.
- Jordan, Bennett E., assignor of one-half to R. D. Wilbor, Hugo, Okla. Rein-spur. No. 1,218,088; Mar. 6; v. 236; p. 70.
- Jordan, Christopher C., et al. (See Jordan, George A., assignor.)
- Jordan, Cornelius, Weehawken, N. J., assignor to E. H. Kluge Weaving Company, New York, N. Y. Manufacture of labels. No. 1,225,253; May 8; v. 238; p. 442.
- Jordan, Cornelius, Weehawken, N. J., assignor to E. H. Kluge Weaving Company, New York, N. Y. Mechanism for packaging labels and the like. No. 1,231,028; June 26; v. 239; p. 1013.
- Jordan Demountable Rim Company. (See Jordan, Ruric W., assignor.)
- Jordan, Forrest, San Francisco, Cal. Shoe-creeper. No. 1,236,572; Aug. 14; v. 241; p. 367.
- Jordan, Frank N., St. John, New Brunswick, Canada. Lawn-trimmer. No. 1,218,669; Mar. 13; v. 236; p. 308.
- Jordan, Fred A., assignor of one-half to W. G. Swart, Duluth, Minn. Rotary mill. No. 1,224,933; May 8; v. 238; p. 340.

- Jordan, George A., assignor of one-third to W. H. Jordan and one-third to C. C. Jordan, Brooklyn, N. Y. Holst. No. 1,217,457; Feb. 27; v. 235; p. 1174.
- Jordan, George W., Cincinnati, Ohio. Ventilation window-lock. No. 1,223,587; Apr. 24; v. 237; p. 1006.
- Jordan, J. Eugene. (See Crawford, Edgar J., assignor.)
- Jordan, James W., Williamsburg, Ky. Beehive. No. 1,211,587; Jan. 9; v. 234; p. 448.
- Jordan, Jay B., Lock Berlin, N. Y. Flexible sled. No. 1,226,672; May 22; v. 238; p. 1006.
- Jordan, John H., Scranton, Pa. Electric-light-control system. No. 1,241,520; Oct. 2; v. 243; p. 15.
- Jordan, Joseph C., Granton, Wis. Stock-watering apparatus. No. 1,215,030; Feb. 6; v. 235; p. 194.
- Jordan, Perry L., Clallam Bay, Wash. Automobile driving-gear. No. 1,224,750; May 1; v. 238; p. 226.
- Jordan, Rebecca Q., Camden, N. J. Button. No. 1,231,902; July 3; v. 240; p. 123.
- Jordan, Robert E., assignor to The Albright-Nell Company, Chicago, Ill. Hair and refuse remover for de-hairing-machines. No. 1,221,185; Apr. 3; v. 237; p. 65.
- Jordan, Robert E., assignor to The Packers Machinery & Equipment Co., Chicago, Ill. Hog-scraping structure. No. 1,232,448; July 3; v. 240; p. 301.
- Jordan, Roy V., Herrin, Ill. Sanitary head for drinking-fountains. No. 1,250,587; Dec. 18; v. 245; p. 700.
- Jordan, Ruric W., Holderness, N. H., assignor to Jordan Demountable Rim Company, Boston, Mass. Wheel-rim. No. 1,217,458; Feb. 27; v. 235; p. 1174.
- Jordan, Thomas H., Milton, W. Va. Cover for cooking utensils. No. 1,222,212; Apr. 10; v. 237; p. 455.
- Jordan, William G. (See Cumming, Albert J., assignor.)
- Jordan, William H., *et al.* (See Jordan, George A., assignor.)
- Jordan, William W., Mena, Ark. Spring-barrel for watches. No. 1,223,982; Apr. 24; v. 237; p. 1144.
- Jordon, Henry D., *et al.* (See Guthrie, Venable J., assignor.)
- Jordon, Mamie S., South Haven, Minn. Mitt. No. 1,240,728; Sept. 18; v. 242; p. 699.
- Joret, Léon J. (See Grouvelle, Arquembourg, and Joret.)
- Jorgensen, Jorgen P. L., Omaha, Nebr. Portable turntable for automobiles. No. 1,250,318; Dec. 18; v. 245; p. 618.
- Jorgensen, Lars R., South Berkeley, Cal. Dam construction. No. 1,216,234; Feb. 13; v. 235; p. 655.
- Jorgenson, Chris M., Seattle, Wash. Anticreeping device for rails. No. 1,210,943; Jan. 2; v. 234; p. 195.
- Jorgenson, Peter, Watertown, S. D. Grain-separator. No. 1,243,528; Oct. 16; v. 243; p. 721.
- Jorve, Axel G., Rothsay, Minn. Clamping-frame for holding plowshares. No. 1,251,042; Dec. 25; v. 245; p. 884.
- Jory, George W., Marysville, Cal. Caterpillar-tread for vehicles. No. 1,217,007; Feb. 20; v. 235; p. 974.
- Jose, Harry T., Biddeford, Me. Wind-shield for motorcycles. No. 1,239,916; Sept. 11; v. 242; p. 411.
- José Lopes Guimarães & Co. (See Guimarães, José L., assignor.)
- Joseph Baker & Sons Limited. (See Baker and Cramb, assignors.)
- Joseph Dixon Crucible Company, The. (See Thomsen, Jorgen E., assignor.)
- Joseph, Elias, Washington, D. C. Pattern holder, saver, and hanger. No. 1,249,411; Dec. 11; v. 245; p. 314.
- Joseph Joseph & Brothers Company, The. (See Stokes, William M., assignor.)
- Joseph N. Smith & Company. (See Ackerman, Edward L., assignor.)
- Joseph, Orville E., Moose Jaw, Saskatchewan, Canada. Road recorder and indicator. No. 1,244,743; Oct. 30; v. 243; p. 1164.
- Joseph, Simon, assignor to Brown Brothers Limited, London, England. Casing for vehicle-springs. No. 1,215,379; Feb. 13; v. 235; p. 346.
- Joseph Stokes Rubber Company. (See Boyer, Harry L., assignor.)
- Joseph Wilcox Inc. (See Wilcox, Joseph, assignor.)
- Josephson, Edgar, assignor to Pantasote Leather Company, Passaic, N. J. Treating celluloid. No. 1,211,588; Jan. 9; v. 234; p. 448.
- Josephson, Eskil H., Chicago, Ill. Repeating attachment for sound-reproducing instruments. No. 1,218,408; Mar. 6; v. 236; p. 180.
- Josephson, Henry, Cleveland, Ohio. Pawl-locking mechanism for pawl-carrying levers. No. 1,225,135; May 8; v. 238; p. 407.
- Josephson, Henry, Cleveland, Ohio. Shaft-operating mechanism. No. 1,227,796; May 29; v. 238; p. 1414.
- Josephson, Henry, Cleveland, Ohio. Brake-shaft-operating mechanism for automobiles. No. 1,227,797; May 29; v. 238; p. 1415.
- Josephson, Henry, Cleveland, Ohio. Shaft-operating mechanism. No. 1,234,344; July 24; v. 240; p. 1024.
- Joslen, Alonzo, Oklahoma, Okla. Rake. No. 1,224,551; May 1; v. 238; p. 157.
- Josley, Hubbard N., Syracuse, assignor to Remington Typewriter Company, Ithaca, N. Y. Pawl-and-ratchet mechanism. No. 1,239,917; Sept. 11; v. 242; p. 412.
- Joslin, Alexander S. (See Ruehrer, Emil C., assignor.)
- Joslin, Charles T., New Scotland, N. Y. Invalid-bed. No. 1,219,558; Mar. 20; v. 236; p. 648.
- Joslin, Frank M. (See Inman and Joslin.)
- Joslyn, Victor C., *et al.* (See Friberger, Harry L., assignor.)
- Joslyn, Walter B., Ypsilanti, Mich. Automatic decarbonizer. No. 1,249,412; Dec. 11; v. 245; p. 315.
- Josse, Emil, Berlin-Lankwitz, and W. Gensecke, Berlin-Wilmersdorf, Germany. Condensing apparatus. No. 1,223,391; Apr. 24; v. 237; p. 936.
- Josse, Emil, and W. Gensecke, Charlottenburg, Germany. Apparatus for cooling air, liquids, vapors, gases, and the like. No. 1,228,930; June 5; v. 239; p. 187.
- Josselyn, Stormont, Atlantic, assignor of one-half to S. C. Crocker, Boston, Mass. Fountain-pen. No. 1,214,310; Jan. 30; v. 234; p. 1490.
- Josselyn, Stormont, Atlantic, assignor of one-half to S. C. Crocker, Boston, Mass. Fountain-pen. (Reissue.) No. 14,397; Nov. 27; v. 244; p. 1062.
- Jost, Lawrence, North Bergen, assignor to Oscar Schmidt, Inc., Jersey City, N. J. Key-zither. No. 1,223,072; Apr. 17; v. 237; p. 796.
- Jovanovitz, Rudolf, and A. Lambert, New England, N. D. Milk-strainer. No. 1,231,374; June 26; v. 239; p. 1128.
- Joy, Henry W., Cobham, England. Cinematograph-machine. No. 1,250,186; Dec. 18; v. 245; p. 579.
- Joy, Joseph F., Courtney, Pa., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Tool-sharpening device. No. 1,246,750; Nov. 13; v. 244; p. 510.
- Joy, Robert, San Francisco, Cal. Mechanical mattress-tightener. No. 1,222,297; Apr. 10; v. 237; p. 484.
- Joy, William H., and F. Korff, assignors to Korff Mfg. Co., Lansing, Mich. Display-stand for flowers. No. 1,220,855; Mar. 27; v. 236; p. 1138.
- Joyce, Adam M., *et al.* (See Evans, Harry N., Sr., assignor.)
- Joyce, James J. (See Bozzett, Oliver W., assignor.)
- Joyce, James J., Annapolis, Md. Device for the recovery of torpedoes. No. 1,216,132; Feb. 13; v. 235; p. 620.
- Joyce, Thomas G., Scranton, Pa. Rail-joint. No. 1,222,407; Apr. 10; v. 237; p. 524.
- Joyner, Miles D., Savannah, Ga. Adjustable gib for cross-heads. No. 1,212,140; Jan. 9; v. 234; p. 640.
- Jubb, Thomas. (See Clegg and Jubb.)
- Judd, Earldley C. B., assignor to The Brunswick-Balke-Collepder Company, Chicago, Ill. Closet-seat hinge. No. 1,221,060; Apr. 3; v. 236; p. 19.
- Judd, Henry S., and H. Pletsch, assignors to Judd Laundry Machine Company, Chicago, Ill. Driving mechanism for washing-machines. No. 1,240,801; Sept. 18; v. 242; p. 722.
- Judd, John F. (See Hogan, Judd, and Waite.)
- Judd Laundry Machine Company. (See Judd and Pletsch, assignors.)
- Judd Laundry Machine Company. (See Pletsch, Henry, assignor.)
- Judd, Norris A., San Francisco, Cal. Temporary binder. No. 1,235,900; Aug. 7; v. 241; p. 122.
- Judd, Wallace S. (See Avery and Judd.)
- Judelshon, Oscar I., Brooklyn, N. Y. Apparatus for controlling electric circuits. No. 1,237,649; Aug. 21; v. 241; p. 752.
- Judelshon, Oscar I., Brooklyn, N. Y. Cloth-cutting machine. No. 1,242,448; Oct. 9; v. 243; p. 351.
- Judge, Louis L., Govans, Md. Bedstead. No. 1,248,338; Nov. 27; v. 244; p. 1034.
- Judge, Thomas J. (See McHale and Judge.)
- Judge, William P., Detroit, Mich. Seat-spring. No. 1,223,494; Apr. 24; v. 237; p. 973.
- Judson, Howard T., Leominster, Mass. Process of ornamentation. No. 1,235,037; July 31; v. 240; p. 1277.
- Juengling, Herman, Detroit, Mich. Valley-tile. No. 1,217,459; Feb. 27; v. 235; p. 1174.
- Juengst, Charles A., Croton Falls, N. Y. Internal-combustion engine. No. 1,240,980; Sept. 25; v. 242; p. 811.
- Juengst, Charles A., Croton Falls, N. Y. Internal-combustion engine. No. 1,244,862; Oct. 30; v. 243; p. 1199.
- Juengst, Charles A., Croton Falls, N. Y. Internal-combustion engine. No. 1,246,276; Nov. 13; v. 244; p. 369.
- Juengst, Charles A., Croton Falls, N. Y., assignor, by mesne assignments, to American Assembling Machine Company. Conveyer. No. 1,215,547; Feb. 13; v. 235; p. 407.
- Juengst, Charles A., Croton Falls, N. Y., assignor, by mesne assignments, to American Assembling Machine Company. Sheet-feeding machine. No. 1,232,560; July 10; v. 240; p. 373.
- Juengst, Charles A., Croton Falls, N. Y., assignor, by mesne assignments, to American Assembling Machine Company. Pamphlet-coverer. No. 1,244,861; Oct. 30; v. 243; p. 1199.
- Juergens, Gustav H., assignor to P. C. Murphy Trunk Company, St. Louis, Mo. Trunk-locking mechanism. No. 1,214,042; Jan. 30; v. 234; p. 1397.
- Juergens, Gustav H., assignor to P. C. Murphy Trunk Co., St. Louis, Mo. Wardrobe-trunk. No. 1,223,886; Apr. 24; v. 237; p. 1112.
- Julian, Alonzo, Alligator, Miss. Cigarette-paper book. No. 1,234,037; July 17; v. 240; p. 888.
- Julian-Beggs Signal Company. (See Julian, Hovey, and Clark, assignors.)
- Julian-Beggs Signal Company. (See Julian and Morris, assignors.)

Alphabetical list of patentees—Continued.

- Julian, David, Waterbury, Conn., assignor, by mesne assignments, to Russell, Burdall & Ward Bolt and Nut Company, Port Chester, N. Y. Nut-machine. No. 1,242,199; Oct. 9; v. 243; p. 273.
- Julian, Henry S. (See Williams and Strait, assignors.)
- Julian, Marsena R., Birmingham, Ala. Block-signal system. No. 1,243,418; Oct. 16; v. 243; p. 687.
- Julian, Marsena R., Birmingham, Ala. Block-signal system. No. 1,243,419; Oct. 16; v. 243; p. 688.
- Julian, Marsena R., assignor to Julian Signal Company, Birmingham, Ala. Block-signal system. No. 1,230,903; June 26; v. 239; p. 968.
- Julian, Marsena R., assignor to Julian Signal Company, Birmingham, Ala. Block-signal system. No. 1,232,561; July 10; v. 240; p. 373.
- Julian, Marsena R., and J. V. Morris, Birmingham, Ala., assignors to Julian-Beggs Signal Company, Terre Haute, Ind. Circuit-breaker for block-signal systems. No. 1,231,169; June 26; v. 239; p. 1061.
- Julian, Marsena R., Birmingham, Ala., M. H. Hovey, Madison, Wis., and T. E. Clark, Detroit, Mich., assignors to Julian-Beggs Signal Company, Terre Haute, Ind. Speed-controlling mechanism for block-signal system. No. 1,248,663; Dec. 4; v. 245; p. 70.
- Julian Signal Company. (See Julian, Marsena R., assignor.)
- Julien, Albert, Copas, Minn. Potato-bug destroyer. No. 1,214,311; Jan. 30; v. 234; p. 1490.
- Julien, Edwin P., Seattle, Wash. Curing, packing, and preserving fish. No. 1,229,472; June 12; v. 239; p. 419.
- Julien, Oscar C., Montreal, Wis. Drill-forming die. No. 1,230,303; June 19; v. 239; p. 732.
- Julius Kayser & Co. (See Decker and Myers, assignors.)
- Julius Kayser & Co. (See Myers and Keene, assignors.)
- Julius Kayser & Co. (See Seifert, Ernst T., assignor.)
- Julius King Optical Co. (See King, Frederick W., assignor.)
- Julius Pintsch Aktiengesellschaft. (See Rosenthal, Hans, assignor.)
- Julow, George W., D. E. Spathelf, and E. Sehl, assignors to Hamilton-Brown Shoe Company, St. Louis, Mo. Heel-setting clamp. No. 1,245,732; Nov. 6; v. 244; p. 178.
- Julyan, Fred G., et al. (See Prachar, John, assignor.)
- Juneau, Charles G. (See Petran and Juneau.)
- Jung, Alfred J., London, assignor to Chex Ticket Machines (1914) Limited, Westminster, England. Ticket printing and issuing machine. No. 1,233,245; July 10; v. 240; p. 595.
- Jung, Oscar H., assignor to Arrow Fuse & Mfg. Co., Milwaukee, Wis. Refillable cartridge-fuse. No. 1,246,105; Nov. 13; v. 244; p. 317.
- Jungclaus, Henry P., Indianapolis, Ind. Column-form clamp. No. 1,227,798; May 29; v. 238; p. 1415.
- Jungst, Homer V., and H. G. Kennedy, assignors to The Kennedy Wagon Company, Seattle, Wash. Door-fastener. No. 1,211,711; Jan. 9; v. 234; p. 489.
- Junior Monarch Hay Press Company. (See Miller and Toffelmier, assignors.)
- Junker, Wilhelm, Brunswick, Germany. Device for skinning potatoes and the like. No. 1,234,767; July 31; v. 240; p. 1192.
- Junkers, Hugo. (See Spaleck, Paul, assignor.)
- Junkers, Hugo, Aachen, Germany. Hydraulic brake. No. 1,228,215; May 29; v. 238; p. 1554.
- Junkers, Hugo, Aachen, Germany. Cylinder of internal-combustion engines and other similar machines. No. 1,231,903; July 3; v. 240; p. 124.
- Junkers, Hugo, Aachen, Germany. Cylinder for internal-combustion engines. No. 1,231,904; July 3; v. 240; p. 124.
- Junod, André, New York, N. Y. Automatic stop for talking-machines. No. 1,228,564; June 5; v. 239; p. 65.
- Junoform Company, The. (See Smith, Goodwin B., assignor.)
- Juopperi, Mathias E. (See Soininen, Kustaa E., assignor.)
- Jurak, Louis, Chicago, Ill. Game. No. 1,249,413; Dec. 11; v. 245; p. 315.
- Juran, Charles R., Herrick, S. D. Plow. No. 1,243,072; Oct. 16; v. 243; p. 586.
- Jurgens, Emil G. (See Brenne, Jurgens, and Dudley.)
- Jurick, Thomas J., Great Falls, Mont. Cigarette-case. No. 1,242,699; Oct. 9; v. 243; p. 432.
- Jurk, August H., Buffalo, N. Y. Fender. No. 1,220,134; Mar. 20; v. 236; p. 851.
- Jurkiewicz, Adam. (See Dubiel, Jurkiewicz, and Sitko.)
- Jurkowski, Edward, New York, N. Y. Combined step-ladder and ironing-board. No. 1,243,304; Oct. 16; v. 243; p. 655.
- Jury, Alfred E., New York, N. Y., assignor to National India Rubber Company, Fabric. No. 1,241,853; Oct. 2; v. 243; p. 123.
- Juslin, Emil, assignor of one-third to E. Carlson, Philadelphia, Pa. Stopping apparatus for railways. No. 1,215,380; Feb. 13; v. 235; p. 347.
- Just, William G., Boyd, Minn. Spring door-closer. No. 1,247,687; Nov. 27; v. 244; p. 849.
- Justi, Henry D., Philadelphia, Pa. Artificial tooth. No. 1,241,854; Oct. 2; v. 243; p. 123.
- Justi & Sons, H. D. (See Wenzel, Henry W., assignor.)
- Justice, Ithamar M. (See Underwood and Justice.)
- Justrite Manufacturing Company. (See Hansen, Augie L., assignor.)
- Jutila, Artturi, Duluth, Minn. Resilient wheel. No. 1,217,190; Feb. 27; v. 235; p. 1081.
- Jutrasch, Frank, Milwaukee, Wis. Cooling-radiator. No. 1,250,187; Dec. 18; v. 245; p. 579.
- K. Kaufmann & Co. (See Kaufmann, Ary, assignor.)
- K. P. Manufacturing Company, The. (See Knauss, Edward, assignor.)
- K. W. Ignition Company, The. (See Williams, Joseph A., assignor.)
- Kabase, Frank E., Birmingham, Ala. Furnace for burning coke and charcoal. No. 1,236,573; Aug. 14; v. 241; p. 367.
- Kabo Corset Co. (See Anderman, Goldie L., assignor.)
- Kabo Corset Co. (See Florsheim and Orewiler, assignors.)
- Kabo Corset Company. (See Mortara, Ugo, assignor.)
- Kaczkiela, Izidor, Pawtucket, R. I. Corset-fastener. No. 1,235,143; July 31; v. 240; p. 1308.
- Kade, Charles F., assignor to C. F. Kade, Jr., Plymouth, Wis. Folding table. No. 1,217,772; Feb. 27; v. 235; p. 1284.
- Kadel, Byers W., Roanoke county, Va. Railway car and truck construction. No. 1,213,205; Jan. 23; v. 234; p. 1077.
- Kadel, Byers W., Roanoke county, Va. Car-truck. No. 1,213,206; Jan. 23; v. 234; p. 1072.
- Kadel, Byers W., Roanoke county, Va. Draft-rigging for railway-cars. No. 1,228,216; May 29; v. 238; p. 1554.
- Kadel, Byers W., Roanoke county, Va. Car-truck. No. 1,241,394; Sept. 25; v. 242; p. 941.
- Kadel, Byers W., Roanoke county, Va. Car-truck brake. No. 1,241,395; Sept. 25; v. 242; p. 941.
- Kadel, Byers W., Roanoke county, Va. Truck side bearing. No. 1,241,396; Sept. 25; v. 242; p. 941.
- Kadow, August, assignor to The Westlake Machine Company, Toledo, Ohio. Manufacture of hollow glass articles. No. 1,221,332; Apr. 3; v. 237; p. 117.
- Kadow, August, assignor to The Westlake Machine Company, Toledo, Ohio. Mold for glass-gathering mechanisms. No. 1,223,392; Apr. 24; v. 237; p. 936.
- Kadow, August, assignor to The Westlake Machine Company, Toledo, Ohio. Glass-gathering mechanism. No. 1,223,393; Apr. 24; v. 237; p. 936.
- Kadow, August, assignor to The Westlake Machine Company, Toledo, Ohio. Glass-blowing machine. No. 1,248,664; Dec. 4; v. 245; p. 70.
- Kadry, Vassaf, Constantinople, Turkey, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,213,880; Jan. 30; v. 234; p. 1340.
- Kaech, Ben, Brooklyn, Wis. Mail-bag-delivery apparatus. No. 1,213,106; Jan. 16; v. 234; p. 1009.
- Kaeding, Fred A., Kramer, N. D. Button-fastener. No. 1,214,312; Jan. 30; v. 234; p. 1490.
- Kaeding, Fred A., Kramer, N. D. Hay-stacker. No. 1,242,812; Oct. 9; v. 243; p. 467.
- Kaehler, George A. E., Fresno, Cal. Auto-rim forcer. No. 1,219,948; Mar. 20; v. 236; p. 784.
- Kaellin, Charles G., Buffalo, N. Y. Vise. No. 1,223,073; Apr. 17; v. 237; p. 796.
- Kaemmerling, Gustav H., Erie, Pa., assignor to General Electric Company. Governing and valve-operating mechanism for engines. No. 1,246,605; Nov. 13; v. 244; p. 469.
- Kaemmerling, Gustav H., assignor to Fuller-Kaemmerling Engine Company, Allentown, Pa. Method and apparatus for burning fuel. No. 1,251,043; Dec. 25; v. 245; p. 884.
- Kaeppler, John, Niagara Falls, N. Y. Fermenting straight dough. No. 1,251,044; Dec. 25; v. 245; p. 885.
- Kaeser, Otto F. (See Morison, Bager, and Kaeser.)
- Kaeser, Robert, Milwaukee, Wis. Tailor's measuring device. No. 1,218,565; Mar. 6; v. 236; p. 233.
- Kafer, George W., Trenton, N. J. Ice-support and water-cooler. No. 1,237,050; Aug. 14; v. 241; p. 524.
- Kagay, Charles E. (See Adams, Frank L., assignor.)
- Kägi, Hans, Winterthur, Switzerland. Pot for mustard, jam, marmalade, honey, &c. No. 1,241,221; Sept. 25; v. 242; p. 885.
- Kah, Arthur W. (See Farley, Michael H., assignor.)
- Kahl, Ernest E. (See Cogswell, Jahn, and Kahl.)
- Kahl, John W., Otisco, Ind. Hay-rake. No. 1,221,541; Apr. 3; v. 237; p. 190.
- Kahle, John W. (See Cartmell, Robert J., assignor.)
- Kahlenberg Bros. Co. (See Kahlenberg, William R., assignor.)
- Kahlenberg, William R., assignor to Kahlenberg Bros. Co., Two Rivers, Wis. Governor for fuel-injection pumps of engines of the semi-Diesel or like types. No. 1,221,542; Apr. 3; v. 237; p. 190.
- Kahlenberg, William R., assignor to Kahlenberg Bros. Co., Two Rivers, Wis. Igniter-tube for internal-combustion engines. No. 1,232,562; July 10; v. 240; p. 374.
- Kahler, Charles F., Boise, Idaho. Knockdown culvert. No. 1,232,043; July 3; v. 240; p. 172.
- Kahn, Bruno, assignor to F. C. Hess, Chicago, Ill. Oven. No. 1,241,521; Oct. 2; v. 243; p. 16.
- Kahn, Ignatius W., Detroit, Mich. Alternating-current-motor starter. No. 1,232,322; July 3; v. 240; p. 262.
- Kahn, Jacob J., assignor of one-half to Samuel Hart & Company, Montreal, Quebec, Canada. Garment. No. 1,223,394; Apr. 24; v. 237; p. 937.

- Kahn, Joseph, Chicago, Ill. Index. No. 1,246,933; Nov. 20; v. 244; p. 601.
- Kahn, Julius, Jersey City, N. J., assignor to Pacific Novelty Company, New York, N. Y. Clasp. No. 1,221,996; Apr. 10; v. 237; p. 380.
- Kahn, Julius, Youngstown, Ohio, assignor to Trussed Concrete Steel Company, Detroit, Mich. Floor construction. No. 1,250,588; Dec. 18; v. 245; p. 700.
- Kahn, Silas, New York, N. Y. Automobile-top. No. 1,230,904; June 26; v. 239; p. 969.
- Kahns, Walter R., Chicago, Ill., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Candle-cup for lighting-fixtures. No. 1,233,882; July 17; v. 240; p. 839.
- Kahrer, Robert J., Newark, N. J. Water-heater. No. 1,222,105; Apr. 10; v. 237; p. 417.
- Kail, Grover C., Jewett, Ohio. Automatic gas-shut-off valve. No. 1,218,089; Mar. 6; v. 236; p. 70.
- Kail, Jackson L., assignor, by mesne assignments, to Winslow Bros. Company, Chicago, Ill. Door-hanger. No. 1,232,563; July 10; v. 240; p. 374.
- Kail, Wilbert S. (See Mortland and Kail.)
- Kailer, Harvey E., assignor to C. H. Stolp, Aurora, Ill. Automobile-hood. No. 1,242,813; Oct. 9; v. 243; p. 467.
- Kaimer, Richard, New Haven, Conn. Strike-plate for vehicle-door latches. No. 1,233,672; July 17; v. 240; p. 773.
- Kain, Harry C. (See Brown and Kain.)
- Kain, William J., assignor of one-third to A. E. Fox and one-third to C. J. Verstay, Grand Rapids, Mich. Bed-spring construction. No. 1,246,277; Nov. 13; v. 244; p. 369.
- Kaiser, Benjamin, *et al.* (See Zipperstein and Kaplan, assignors.)
- Kaiser, Charles, Savage, Mont. Measuring device for liquid-containers. No. 1,233,791; July 17; v. 240; p. 809.
- Kaiser Company. (See Meyer, Frederick P., assignor.)
- Kaiser, Henry J., Everett, Wash. Pavement. No. 1,234,171; July 24; v. 240; p. 968.
- Kaiser, Jacob W., East Cleveland, Ohio. Dispensing-receptacle. No. 1,211,945; Jan. 9; v. 234; p. 575.
- Kaiser, John, New York, N. Y. Making talking-machine records. No. 1,249,414; Dec. 11; v. 245; p. 315.
- Kaiser, John F., Bartlesville, Okla. Sign. No. 1,212,069; Jan. 9; v. 234; p. 615.
- Kaiser, William G., Port Wayne, Ind., assignor of one half to C. B. Bowen. Top-bow clamp. No. 1,249,634; Dec. 11; v. 245; p. 379.
- Kaiserman, Jacob R., Livingston, Mont. Electrical operating means for doors. No. 1,249,110; Dec. 4; v. 245; p. 196.
- Kaisling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Switch for automatic telephone systems. No. 1,215,814; Feb. 13; v. 235; p. 503.
- Kaisling, William, assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Binding-post. No. 1,219,003; Mar. 13; v. 236; p. 427.
- Kaisling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Electromagnetic signal. No. 1,219,949; Mar. 20; v. 236; p. 784.
- Kaisling, William, assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Knife-switch relay. No. 1,228,778; June 5; v. 239; p. 138.
- Kaisling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Operator's key. No. 1,230,410; June 19; v. 239; p. 765.
- Kaisling, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Ringing-relay. No. 1,232,044; July 3; v. 240; p. 172.
- Kaisling, William, assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Signaling-horn. No. 1,250,589; Dec. 18; v. 245; p. 701.
- Kajiyama, Tameo, New York, N. Y. Game device. No. 1,224,173; May 1; v. 238; p. 21.
- Kakela, Elizabeth, Seattle, Wash. Clamp. No. 1,220,639; Mar. 27; v. 236; p. 1064.
- Kalamazoo Loose Leaf Binder Company. (See Wigginton, George P., assignor.)
- Kalamazoo Stove Company. (See Babbitt, Ralph M., assignor.)
- Kalamazoo Stove Company. (See Curtienius, Dwight R., assignor.)
- Kalamazoo Tank and Silo Co. (See Youmans, George P., assignor.)
- Kalanquin, Harry E., Seattle, Wash. Skate-clamp. No. 1,219,004; Mar. 13; v. 236; p. 428.
- Kalbfeisch, Victor R., assignor of one-third to M. G. Griffiths, Sault Ste. Marie, Mich. Life-boat hook. No. 1,214,313; Jan. 30; v. 234; p. 1490.
- Kales, George, Houghton, Wash. Device for cleaning panes of glass. No. 1,250,468; Dec. 18; v. 245; p. 663.
- Kales, William R., Detroit, Mich. Wrist-watch bracelet. No. 1,216,322; Feb. 20; v. 235; p. 737.
- Kaletay, Joseph F., New York, N. Y. Dispensing-faucet. No. 1,233,482; July 17; v. 240; p. 710.
- Kalina, Loeser, Brooklyn, N. Y. Percolator. No. 1,232,808; July 10; v. 240; p. 455.
- Kalista, Frank, Steinway, N. Y. Game. No. 1,238,522; Aug. 28; v. 241; p. 1067.
- Kalisz, Stephen, Chicago, Ill. Collapsible stand and support. No. 1,241,987; Oct. 2; v. 243; p. 165.
- Kallberg, Oscar, Patterson, Cal. Garment-supporter. No. 1,211,589; Jan. 9; v. 234; p. 448.
- Kallenbach, Edward E., assignor to William R. Warner & Company, Philadelphia, Pa. Filling-machine. No. 1,248,339; Nov. 27; v. 244; p. 1035.
- Kallenbach, Walter H., Boston, Mass. Thermostat. No. 1,219,950; Mar. 20; v. 236; p. 785.
- Kallenbach, Walter H., Jamaica Plain, and C. C. Bertsch, Forest Hills, Mass. Electric self-winding clock. No. 1,219,108; Mar. 13; v. 236; p. 462.
- Kallnbach Automatic Fire Alarm Company, The. (See Kallnbach, Carl A., assignor.)
- Kallnbach, Carl A., Detroit, Mich., assignor to The Kallnbach Automatic Fire Alarm Company, Cleveland, Ohio. Alarm system. No. 1,212,958; Jan. 16; v. 234; p. 958.
- Kálmán, Alexander, New York, N. Y. Matrix for linotype-machines. No. 1,211,946; Jan. 9; v. 234; p. 576.
- Kalmus, Herbert T., Brookline, assignor to The Exolon Company, Cambridge, Mass. Making abrasive material. No. 1,226,892; May 22; v. 238; p. 1081.
- Kalmus, Herbert T., Brookline, assignor to The Exolon Company, Cambridge, Mass. Treating nephelin syenite. No. 1,234,905; July 31; v. 240; p. 1235.
- Kaltenbach, Jacob, Wilkes-Barre, Pa. Direction-indicator for vehicles. No. 1,212,070; Jan. 9; v. 234; p. 615.
- Kalteyer, Frederick J., Philadelphia, Pa. Razor-sharpening device. No. 1,230,717; June 19; v. 239; p. 868.
- Kalusowski, Henry E. (See Bailey and Kalusowski.)
- Kamada, Harumichi, and T. Ishizuka, Sacramento, Cal. Animal-feeder. No. 1,214,314; Jan. 30; v. 234; p. 1491.
- Kamenstein, Myer. (See Paroly, Isidor, assignor.)
- Kamenstein, Myer, New York, N. Y. Ash-sifter. No. 1,228,779; June 5; v. 239; p. 138.
- Kamianczyn, Wasyl, Duquesne, and I. Wasylow, Wendel, Pa. Lock. No. 1,216,697; Feb. 20; v. 235; p. 868.
- Kaminetsky, Morris A., Passaic, N. J. Smoke-bell support. No. 1,211,317; Jan. 2; v. 234; p. 323.
- Kaminski, Paul, Spandau, and O. Schneider, Schöneberg, near Berlin, assignors to Siemens & Halske, A. G., Berlin, Germany. Electric signaling system. No. 1,215,815; Feb. 13; v. 235; p. 504.
- Kaminsky, Bennett, Indianapolis, Ind. Drinking-fountain. No. 1,222,298; Apr. 10; v. 237; p. 484.
- Kammerer, Gustav, Vienna, Austria-Hungary. Apparatus for determining points in space by means of perspective views. No. 1,216,133; Feb. 13; v. 235; p. 621.
- Kammerer, Paul C. R., assignor to Pittsburgh Instrument Machine Company, Pittsburgh, Pa. Testing apparatus. No. 1,237,051; Aug. 14; v. 241; p. 524.
- Kammerhoff, Heinrich H. M., Orange, N. J. Electric gas-engine-starting and battery-charging system. No. 1,225,643; May 8; v. 238; p. 579.
- Kammerhoff, Heinrich M., Orange, N. J. Electrically-operated speed-limiting device for motor-vehicles. No. 1,248,130; Nov. 27; v. 244; p. 976.
- Kammerhoff, Heinrich H. M., Orange, assignor to Edison Storage Battery Company, West Orange, N. J. Galvanic battery. No. 1,240,856; Sept. 25; v. 242; p. 772.
- Kammers, Adam, Roxboro, Wash. Force-feed for harvester-headers. No. 1,217,008; Feb. 20; v. 235; p. 974.
- Kamowski, Stephen, Nanticoke, Pa. Conduit-threader. No. 1,223,699; Apr. 24; v. 237; p. 1047.
- Kamp, Albert, Niagara Falls, N. Y. Variable sliding-cone feed for woodworking machinery. No. 1,230,718; June 19; v. 239; p. 869.
- Kamp, Walter V. (See Macmechen and Kamp.)
- Kamuf, William J., Joplin, Mo. Time-controlled operating mechanism. No. 1,219,951; Mar. 20; v. 236; p. 785.
- Kandlbinder, Emelia F., Springfield, Ill. Automobile-lifting-jack apparatus. No. 1,225,644; May 8; v. 238; p. 580.
- Kandó, Coloman de, Budapest, Hungary, assignor, by mesne assignments, to Westinghouse Machine Company. Electric motor system. No. 1,222,539; Apr. 10; v. 237; p. 571.
- Kando, Kalman von, Vado Ligure, Italy, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Apparatus for protecting electric circuits. No. 1,246,686; Nov. 13; v. 244; p. 492.
- Kane, Arthur L., and J. J. O'Neil, Newport, R. I. Tooth-brush holder. No. 1,212,645; Jan. 16; v. 234; p. 850.
- Kane, Herbert W., New Orleans, La. Concrete-drill holder. No. 1,217,606; Feb. 27; v. 235; p. 1227.
- Kane, James J., Brooklyn, N. Y. Ship's-table rack. No. 1,246,606; Nov. 13; v. 244; p. 470.
- Kane, John, and F. J. Couch, Monroe, N. Y., assignors to American Laundry Machinery Co., Cincinnati, Ohio. Ironing-machine. No. 1,210,485; Jan. 2; v. 234; p. 38.
- Kane, John J., Dover, N. H., assignor, by mesne assignments, to United Shoe Machinery Company, Paterson, N. J. Insole-reinforcing machine. No. 1,236,715; Aug. 14; v. 241; p. 416.
- Kane, John J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Engine-starting device. No. 1,245,464; Nov. 6; v. 244; p. 96.
- Kane, John J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Engine-starter. No. 1,248,870; Dec. 4; v. 245; p. 132.
- Kane, Peter W., assignor of one-half to E. N. Pearce, Rochester, Wash. Pneumatic cushioning device. No. 1,226,673; May 22; v. 238; p. 1006.
- Kane, Robert, Humboldt, Ill. Gearing. No. 1,241,855; Oct. 2; v. 243; p. 123.

Alphabetical list of patentees—Continued.

- Kane, Thomas H., Youngstown, Ohio, assignor to Trussed Concrete Steel Company, Detroit, Mich. Ceiling. No. 1,217,952; Mar. 6; v. 236; p. 23.
- Kane, Thomas H., Youngstown, Ohio, assignor to Trussed Concrete Steel Company, Detroit, Mich. Window. No. 1,228,780; June 5; v. 239; p. 139.
- Kane, Thomas H., Youngstown, Ohio, assignor to Trussed Concrete Steel Company, Detroit, Mich. Window. No. 1,235,979; Aug. 7; v. 241; p. 147.
- Kane, William. (See Wessels and Kane.)
- Kane, William, Philadelphia, Pa. Boiler or heater. No. 1,215,031; Feb. 6; v. 235; p. 194.
- Kane, William, Philadelphia, Pa. Boiler structure. No. 1,231,375; June 26; v. 239; p. 1128.
- Kane, William, Norristown, Pa. Dirt-removing means. No. 1,250,469; Dec. 18; v. 245; p. 663.
- Kann, Emil A., New York, N. Y. Belt. No. 1,247,688; Nov. 27; v. 244; p. 850.
- Kansas City Elevator Manufacturing Company. (See Turner, Frederick E., assignor.)
- Kansas City Folding and Marking Machine Co. (See Barr, John H., assignor.)
- Kansas City Gasoline Company, The. (See Wellman, Frank E., assignor.)
- Kansas State Agricultural College, The. (See Haslam, Thomas P., assignor.)
- Kanster, Jacob, assignor of one-third to T. J. Walsh and one-third to F. Walsh, Newark, N. J. Washtub-cover. No. 1,223,588; Apr. 24; v. 237; p. 1006.
- Kant-Lek Faucet Co. (See Hoff, George K., assignor.)
- Kantor, Jacob, Port Elizabeth, Cape Colony, South Africa. Piano wrest-plank. No. 1,212,775; Jan. 16; v. 234; p. 896.
- Kantor, Wolf, New York, N. Y. Convertible chair. No. 1,249,415; Dec. 11; v. 245; p. 315.
- Kantro, Michael, Brooklyn, N. Y. Envelop. No. 1,220,515; Mar. 27; v. 236; p. 1021.
- Kantrowitz, Belle R., New York, N. Y. Toilet novelty. No. 1,223,074; Apr. 17; v. 237; p. 796.
- Kantsink Swimming Harness Company. (See Lyon, Robert W., assignor.)
- Kanzaki, Kishiro, Summit, N. J. Food product. No. 1,220,751; Mar. 27; v. 236; p. 1101.
- Kaolin Products Corporation. (See Charlton, Harry W., assignor.)
- Kapelman, Felix G., New York, N. Y. Corner-lock for metal frames. No. 1,249,416; Dec. 11; v. 245; p. 316.
- Kaplan, Abraham, Brooklyn, N. Y. Street-sweeping machine. No. 1,238,681; Aug. 28; v. 241; p. 1115.
- Kaplan, Abraham C. (See Zipstein and Kaplan.)
- Kaplan, Arthur, assignor to L. Costabile, Brooklyn, N. Y. Man's shirt-waist. No. 1,210,486; Jan. 2; v. 234; p. 38.
- Kaplan, Benjamin, New York, N. Y. Hot-water boiler. No. 1,219,741; Mar. 20; v. 236; p. 710.
- Kaplan, Ezra, assignor to National Art Novelty Company, Chicago, Ill. Hanger for pictures and the like. No. 1,248,131; Nov. 27; v. 244; p. 976.
- Kaplan, Henry, assignor to Long Manufacturing Company, San Francisco, Cal. Expanding-tool for wheel-rims. No. 1,214,315; Jan. 30; v. 234; p. 1491.
- Kaplan, Jacob, assignor to A. C. K. Belting Co., Chicago, Ill. Belt tightener and spreader. No. 1,227,541; May 22; v. 238; p. 1298.
- Kaplan, Julius, New York, N. Y. Garment. No. 1,225,254; May 8; v. 238; p. 446.
- Kaplan, Morduch L., Brooklyn, N. Y. Oxidation of manganese carbonate. No. 1,247,278; Nov. 20; v. 244; p. 699.
- Kaplan, Morduch L., Brooklyn, assignor to Beacon Miniature Electric Co., Inc., New York, N. Y. Pocket flashlight. No. 1,219,109; Mar. 13; v. 236; p. 462.
- Kaplan, Morduch L., Brooklyn, assignor to Beacon Miniature Electric Co., Inc., New York, N. Y. Galvanic cell. No. 1,221,061; Apr. 3; v. 237; p. 20.
- Kaplan, Morduch L., Brooklyn, assignor to Beacon Miniature Electric Co., Inc., New York, N. Y. Galvanic cell. No. 1,221,062; Apr. 3; v. 237; p. 20.
- Kaplan, Morris, New York, N. Y. Eyeglasses. No. 1,212,776; Jan. 16; v. 234; p. 896.
- Kaplan, Nathan, New York, N. Y. Cot-bed. No. 1,237,052; Aug. 14; v. 241; p. 525.
- Kaplan, Nathan, New York, N. Y. Fire-escape. No. 1,241,856; Oct. 2; v. 243; p. 123.
- Kapp, Gisbert, Birmingham, England, assignor to The Westinghouse Electric & Manufacturing Company. Oscillating phase-advancer. No. 1,236,716; Aug. 14; v. 241; p. 416.
- Kapprel, Frank, Kansas City, Mo. Door or window operating device. No. 1,237,650; Aug. 21; v. 241; p. 753.
- Karaian, Melcon A. (See Egav, Louis A., assignor.)
- Karberg, Peter K., Dubuque, Iowa. Means for attaching buttons to garments. No. 1,251,236; Dec. 25; v. 245; p. 940.
- Karch, Oscar H., Rochester, N. Y. Automatic stop for sound-reproducing machines. No. 1,222,408; Apr. 10; v. 237; p. 525.
- Karcher, Otto, Canton, Ohio. Hand-propelled vehicle. No. 1,214,475; Jan. 30; v. 234; p. 1543.
- Karcher, Otto, Canton, Ohio. Dispensing device. No. 1,226,218; May 15; v. 238; p. 817.
- Kardell, Henry W., St. Louis, Mo. Traction-plow. No. 1,222,299; Apr. 10; v. 237; p. 485.
- Kardos, Emanuel, Chrome, N. J., assignor to Th. Goldschmidt Aktien-Gesellschaft, Essen-on-the-Ruhr, Germany. Apparatus for separating materials. No. 1,250,590; Dec. 18; v. 245; p. 701.
- Kardos, Michael, Charlottenburg, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Green vat dyes and making them. No. 1,216,134; Feb. 13; v. 235; p. 621.
- Karges, Julius J., Maywood, Mo. Display device. No. 1,232,564; July 10; v. 240; p. 374.
- Kari, Edwin, Superior, Wis. Safety-lock for brake-shoes. No. 1,229,281; June 12; v. 239; p. 355.
- Karin, John, Koppel, Pa. Keyless padlock. No. 1,223,983; Apr. 24; v. 237; p. 1144.
- Karl, George E., assignor to The Dunham Company, Berea, Ohio. Land-roller. No. 1,250,591; Dec. 18; v. 245; p. 701.
- Karl, Joseph M., Roslyn Heights, assignor to Roslyn Specialty Company, Inc., Roslyn, N. Y. Hinge. No. 1,217,607; Feb. 27; v. 235; p. 1227.
- Karl, Joseph M., Roslyn Heights, assignor to Roslyn Specialty Company, Inc., Roslyn, N. Y. Stand for sad-irons. No. 1,219,400; Mar. 13; v. 236; p. 552.
- Karle, John D., Roselle Park, N. J. Bottle-stopper. No. 1,214,550; Feb. 6; v. 235; p. 24.
- Karle, John D., Newark, N. J., assignor to The Singer Manufacturing Company. Sewing-machine ruffler. No. 1,231,170; June 26; v. 239; p. 1061.
- Karlskind, Ed. E. (See Sheldon, Charles F., assignor.)
- Karlsson, Kaleb, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Ball-cage for ball-bearings. No. 1,223,396; Apr. 24; v. 237; p. 937.
- Karlsson, Kaleb, and E. E. Johanson, assignors to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Ball-cage for ball-bearings. No. 1,223,395; Apr. 24; v. 237; p. 937.
- Karn, Harry W., Pittsburgh, Pa. Artificial limb. No. 1,244,612; Oct. 30; v. 243; p. 1123.
- Karn, Vernon O., Hollansburg, Ohio. Railway-tie and rail-fastening means. No. 1,232,565; July 10; v. 240; p. 374.
- Karnasch, Leopold M., assignor to Pelton Water Wheel Company, San Francisco, Cal. Pressure-regulating apparatus. No. 1,243,073; Oct. 16; v. 243; p. 587.
- Karnasch, Leopold M., assignor to Pelton Water Wheel Company, San Francisco, Cal. Unloader-valve. No. 1,248,665; Dec. 4; v. 245; p. 70.
- Karns, Frederick P. (See Phenice, Edward, assignor.)
- Karolle, John, Flint, Mich. Butter pressing and molding machine. No. 1,217,460; Feb. 27; v. 235; p. 1175.
- Karolle, John, and G. Csveresco, Flint, Mich. Quick-action vise. No. 1,229,753; June 12; v. 239; p. 513.
- Karp, Morris, assignor to Passaic Metal Ware Company, Passaic, N. J. Cigarette-box. No. 1,235,572; Aug. 7; v. 241; p. 14.
- Karpen, Adolph. (See Miller, Royal R., assignor.)
- Karpen, Isaac, assignor to S. Karpen & Bros., Chicago, Ill. Spring structure. No. 1,226,219; May 15; v. 238; p. 818.
- Karpen, John. (See Barrow and Karpen.)
- Karpen, Leopold. (See Carpenter, Stephen L., assignor.)
- Karpen, Solomon, assignor to S. Karpen & Bros., Chicago, Ill. Couch or sofa. No. 1,213,380; Jan. 23; v. 234; p. 1139.
- Karpouich, John, Boston, Mass. Machine for bending rods. No. 1,214,551; Feb. 6; v. 235; p. 24.
- Karr, James P., assignor to R. W. Karr, Fort Wayne, Ind. Lock for a slidable spud. No. 1,233,582; July 17; v. 240; p. 744.
- Karr, John R., Tracy, Cal. Automatic flue-cleaner. No. 1,215,165; Feb. 6; v. 235; p. 238.
- Karr, Raymond W. (See Karr, James P., assignor.)
- Karrer, Paul, Frankfurt-on-the-Main, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Complex arseno compounds and making same. No. 1,214,924; Feb. 6; v. 235; p. 155.
- Karsen, John, Holland, Mich. Coal-hod. No. 1,234,671; July 24; v. 240; p. 1128.
- Karsten, Joseph, Chokio, Minn. Barrel-lifting device. No. 1,229,090; June 5; v. 239; p. 240.
- Karsten, William F. C., Milwaukee, Wis. Rail-joint. No. 1,212,777; Jan. 16; v. 234; p. 896.
- Kartrude, Peter O., Luverne, Minn. Draft-equalizer. No. 1,226,975; May 22; v. 238; p. 1111.
- Kaschenbach, John, Wilkes-Barre, Pa. Bullet-lubricator. No. 1,229,969; June 12; v. 239; p. 584.
- Kashian, Minas H., Amesbury, Mass. Trolley-head. No. 1,237,787; Aug. 21; v. 241; p. 796.
- Kasley, Alexander T., Swissvale, Pa. Heat-engine. No. 1,231,376; June 26; v. 239; p. 1129.
- Kasley, Alexander T., Swissvale, Pa., assignor to The Westinghouse Machine Company. Power-developing apparatus. No. 1,226,220; May 15; v. 238; p. 818.
- Kasley, Alexander T., Swissvale, Pa., assignor to The Westinghouse Machine Company. Governor. No. 1,231,261; June 26; v. 239; p. 1090.
- Kasmeier, John, Beville, Tex. Apparatus for destroying weevils. No. 1,232,323; July 3; v. 240; p. 263.
- Kaspar, Carl, Chicago, Ill. Trolley mechanism for railway-cars. No. 1,238,148; Aug. 28; v. 241; p. 944.
- Kasper, Joseph P., Hammond, Ind. Auto-signal. No. 1,242,449; Oct. 9; v. 243; p. 351.

- Kasperson, Frank H., New Haven, Conn. Tool-holding device. No. 1,240,729; Sept. 18; v. 242; p. 699.
- Kass, Samuel M., Philadelphia, Pa., assignor of two-fifths to H. E. Latham. Pipe-vice. No. 1,236,717; Aug. 14; v. 241; p. 417.
- Kast, Edward R., Baltimore, Md., assignor to Kast Insetting and Gathering Machine Company. Signature-gatherer. No. 1,236,181; Aug. 7; v. 241; p. 210.
- Kast, Edward R., Baltimore, Md., assignor to Kast Insetting and Gathering Machine Company. Insetting-machine. No. 1,236,445; Aug. 14; v. 241; p. 326.
- Kast, Hermann. (See Gerngross and Kast.)
- Kast Insetting and Gathering Machine Company. (See Kast, Edward R., assignor.)
- Kastens, William, Springfield, Ohio. Spring-wheel. No. 1,220,425; Mar. 27; v. 236; p. 989.
- Kastner, Henry J., Dayton, Ohio. Sound-intensifying device for telephones. No. 1,225,136; May 8; v. 238; p. 408.
- Katakou, Wasaku, Los Angeles, Cal. Carpet-sweeper. No. 1,230,489; June 19; v. 239; p. 793.
- Katchmazenski, Frank X., assignor of one-half to H. Jedlicki, Foley, Minn. Wrench. No. 1,231,262; June 26; v. 239; p. 1091.
- Kate, John H., assignor of one-half to E. J. Raymond, Des Moines, Iowa. Incubator. No. 1,219,643; Mar. 20; v. 236; p. 677.
- Kate, John H., assignor to X-Ray Incubator Company, Des Moines, Iowa. Egg-tester. No. 1,226,078; May 15; v. 238; p. 771.
- Kate, John H., assignor to X Ray Incubator Company, Des Moines, Iowa. Gas and smoke sealing device for incubators. No. 1,229,091; June 5; v. 239; p. 240.
- Kate, John H., assignor to X Ray Incubator Company, Des Moines, Iowa. Incubator. No. 1,231,029; June 26; v. 239; p. 1013.
- Kately, Samuel E., Chicago, and H. C. Alger, Oak Park, Ill. Paper-moistening device. No. 1,250,894; Dec. 18; v. 245; p. 790.
- Katow, William I., San Francisco, Cal. Window-washer. No. 1,219,401; Mar. 13; v. 236; p. 563.
- Katz, Frank, New York, N. Y. Crease-retainer for hats. No. 1,251,045; Dec. 25; v. 245; p. 885.
- Katz, Nahum E., Meridian, Miss. Making viscose. No. 1,251,237; Dec. 25; v. 245; p. 940.
- Katz, Sidney H., and F. K. Orvitz, Pittsburgh, Pa. Manufacture of formates. No. 1,212,359; Jan. 16; v. 234; p. 747.
- Katzenberger, Oscar, Chicago, Ill. Jamb spring-hinge. No. 1,242,700; Oct. 9; v. 243; p. 432.
- Katzenberger, Oscar, Chicago, Ill. Spring-hinge. No. 1,245,733; Nov. 6; v. 244; p. 178.
- Katzenberger, Oscar, Chicago, Ill. Lavatory-strike. No. 1,245,734; Nov. 6; v. 244; p. 179.
- Katzenberger, Oscar, Chicago, Ill. Spring-hinge. No. 1,248,132; Nov. 27; v. 244; p. 976.
- Katzenberger, Oscar, Chicago, Ill. Door-spring. No. 1,249,111; Dec. 4; v. 245; p. 197.
- Katzinger, Edward and S. C., assignors to Edward Katzinger Company, Chicago, Ill. Baking-pan. No. 1,229,282; June 12; v. 239; p. 355.
- Katzinger, Sidney C. (See Katzinger, Edward and S. C.)
- Katzmarek, Michael, Duluth, Minn. Rod trimmer or reducer. No. 1,240,221; Sept. 18; v. 242; p. 543.
- Kaub, Arthur D., Mingo, Ind. Cabinet. No. 1,227,799; May 29; v. 238; p. 1415.
- Kauer, Theodore, Brooklyn, N. Y. Gas fire-kindler. No. 1,232,324; July 3; v. 240; p. 263.
- Kauffman, David, Sr., Pottstown, Pa. Puddle-billet rolling and finishing mill. No. 1,229,283; June 12; v. 239; p. 355.
- Kauffman, Harry M., assignor to F. Price, Philadelphia, Pa. Tool. No. 1,234,906; July 31; v. 240; p. 1236.
- Kauffman, Ralph A., Waterloo, assignor, by mesne assignments, of one-half to E. Von Osterheldt, Des Moines, Iowa. Automatic vehicle-top. No. 1,226,079; May 15; v. 238; p. 771.
- Kaufman, Adolph G., New York, N. Y. Lantern-globe-support plate. No. 1,220,234; Mar. 27; v. 236; p. 921.
- Kaufman, Adolph G., New York, N. Y. Burner-head and shade-holder for lamps. No. 1,230,719; June 19; v. 239; p. 869.
- Kaufman, August F., Wheeling, W. Va. Package-tie and advertising device combined. No. 1,233,365; July 17; v. 240; p. 670.
- Kaufman, Charles L., Englewood, N. J., assignor to A. Arbib, New York, N. Y. Apparatus for making feather boas and the like. No. 1,222,300; Apr. 10; v. 237; p. 485.
- Kaufman, Ferdinand, New Orleans, La. Display-rack. No. 1,223,984; Apr. 24; v. 237; p. 1144.
- Kaufman, Frank M. (See Kaufman, Harry and F. M.)
- Kaufmann, Frederick A. (See Foersterling, Sargent, and Kaufmann.)
- Kaufman, Harry and F. M., assignors to Fred Pearson & Company, Inc., Philadelphia, Pa. Woven pile fabric. No. 1,249,768; Dec. 11; v. 245; p. 418.
- Kaufman, Harry and F. M., assignors to Fred Pearson & Company, Inc., Philadelphia, Pa. Woven pile fabric. No. 1,249,769; Dec. 11; v. 245; p. 418.
- Kaufmann, Ary, Newark, N. J., assignor to K. Kaufmann & Co. Pressed-out, raised, or embossed corner-piece for bags. No. 1,211,165; Jan. 2; v. 234; p. 270.
- Kaufmann, Carl H., Santa Ana, Cal. Spotlight. No. 1,237,524; Aug. 21; v. 241; p. 712.
- Kaufmann, Friedrich A., Perth Amboy, N. J., assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Cementation process. No. 1,235,901; Aug. 7; v. 241; p. 122.
- Kaufmann, Waller L., Santa Ana, Cal. Automobile spotlight. No. 1,235,809; Aug. 7; v. 241; p. 92.
- Kaukaine, Herman, Virginia, Minn. Portable conveyer. No. 1,224,384; May 1; v. 238; p. 97.
- Kaul, Walter H., Humble, Tex. Oil-thief. No. 1,210,487; Jan. 2; v. 234; p. 38.
- Kaul, Burt J., assignor to The Indiana Wagon Company, La Fayette, Ind. Collapsible hog-feeder. No. 1,246,751; Nov. 13; v. 244; p. 511.
- Kausch, Louis W., North Milwaukee, Wis. Sleigh-runner attachment for wheeled vehicles. No. 1,214,685; Feb. 6; v. 235; p. 72.
- Kavalas, Evans. (See Kavalas, Tom and E.)
- Kavalas, Tom and E., Rock Falls, Ill. Wire-fence machine. No. 1,227,272; May 22; v. 238; p. 1211.
- Kavanagh, Edward H., et al. (See Scott, Jacob R., assignor.)
- Kavanagh, George L., Montreal, Quebec, Canada. Tire removing and applying device. No. 1,217,009; Feb. 20; v. 235; p. 974.
- Kavecansky, Emrech, Cleveland, Ohio. Clothes-mangle. No. 1,251,384; Dec. 25; v. 245; p. 984.
- Kavgas, Nicklaus, assignor to Products Dispensing Company, Inc., New York, N. Y. Butter-dispensing apparatus. No. 1,217,953; Mar. 6; v. 236; p. 23.
- Kawaguchi, Kenichi, Kekaha, Hawaii. Graphophone-needle box. No. 1,247,843; Nov. 27; v. 244; p. 897.
- Kawakubo, Tomegoro, Seattle, Wash. Vegetable-ball cutter. No. 1,218,566; Mar. 6; v. 236; p. 234.
- Kawalle, William E., Manitowoc, Wis. Self-propelled vehicle. No. 1,231,377; June 26; v. 239; p. 1129.
- Kawasaki, Utakichi, San Francisco, Cal., assignor to The Rex Toy Manufacturing Co. Automobile toy body and making the same. No. 1,249,967; Dec. 11; v. 245; p. 476.
- Kawate, Hiyozo, assignor of forty one-hundredths to O. Shintani, Seattle, Wash. Can-labeling machine. No. 1,224,303; May 1; v. 238; p. 67.
- Kawneer Manufacturing Company. (See Brown, M. Lewis, assignor.)
- Kawneer Manufacturing Company. (See Fraser, John A., assignor.)
- Kaye, Benjamin M., New York, N. Y. Golf-club. No. 1,222,770; Apr. 17; v. 237; p. 692.
- Kaye, George N. (See Shepherd, George R., assignor.)
- Kaye, Melvin W., Monaca, Pa. Body-rest. No. 1,238,782; Sept. 4; v. 242; p. 19.
- Kaye, Samuel, Columbus, Miss. Cap-finger. No. 1,234,768; July 31; v. 240; p. 1193.
- Kayetan, John, New York, N. Y., and H. Evenson, Wheat Ridge, Colo., assignors to Kayetan-Rues Company, Inc. Razor-honing machine. No. 1,217,608; Feb. 27; v. 235; p. 1228.
- Kayetan-Rues Company. (See Kayetan and Evenson, assignors.)
- Kaynce Company, The. (See Hays, Louis, assignor.)
- Kays, Charles A. (See Wilhelm and Kays.)
- Kayser, Edwin C., Beau Sejour, St. Brelade's Bay, Isle of Jersey, assignor, by mesne assignments, to The Hydrogenation Company, Cincinnati, Ohio. Catalyzer and preparing the same. No. 1,236,446; Aug. 14; v. 241; p. 326.
- Kayser, Eugen, Berlin, Germany, assignor to The Hess-Bright Manufacturing Company, Philadelphia, Pa. Ball-bearing. No. 1,238,783; Sept. 4; v. 242; p. 19.
- Kayser, Otto, Schöneberg, near Berlin, Germany. Arrangement of tables in railway dining-cars or the like. No. 1,219,953; Mar. 20; v. 236; p. 786.
- Keahn, Emil J., Detroit, Mich. Attachment for fur-sewing machines. No. 1,224,174; May 1; v. 238; p. 21.
- Kean, Ida, administratrix. (See Kean, Joseph.)
- Kean, Joseph, deceased; I. Kean, administratrix, Des Moines, Iowa. Valve. No. 1,228,565; June 5; v. 239; p. 65.
- Kean, Otho V., Providence, R. I. Bullet. No. 1,219,742; Mar. 20; v. 236; p. 711.
- Kean, Otho V., Providence, R. I. Tableware. No. 1,238,149; Aug. 28; v. 241; p. 944.
- Kean, Otho V., Providence, R. I. Tableware. No. 1,238,150; Aug. 28; v. 241; p. 944.
- Keane, John J., St. Louis, Mo. Railway train-pipe-hose coupling. No. 1,250,895; Dec. 18; v. 245; p. 791.
- Kearby, John G., and Z. Robinson, Mineral Wells, Tex. Electric connection for automobile-lamps. No. 1,239,697; Sept. 11; v. 242; p. 341.
- Kearney, William F., Montreal, Quebec, Canada. Axle-lubricating device. No. 1,243,946; Oct. 23; v. 243; p. 885.
- Kearns, Chester A., and P. J. Hartigan, Paynesville, Minn. Pump for motor-vehicles. No. 1,226,530; May 15; v. 238; p. 921.
- Kearny, Philip, Morristown, N. J. Torch. No. 1,235,902; Aug. 7; v. 241; p. 122.
- Kearsley, William K., Newark, N. J., assignor to General Electric Company. Sheathed wire and terminal therefor. No. 1,213,881; Jan. 30; v. 234; p. 1340.
- Kenry, William J., Schenectady, N. Y. Grinding-mill. No. 1,238,784; Sept. 4; v. 242; p. 19.

- Keasey, Francis M., Watervliet, Mich. Necktie attachment. No. 1,219,743; Mar. 20; v. 236; p. 711.
- Keating, Henry E. (See Allen, William H., assignor.)
- Keating, John B., Oakland, assignor to Byron Jackson Iron Works, West Berkeley, Cal. Liquid-sealing box. No. 1,211,166; Jan. 2; v. 234; p. 270.
- Keating, Robert M., Springfield, Mass. Wire wheel. No. 1,239,794; Sept. 11; v. 242; p. 371.
- Keating, Robert M., Springfield, Mass. Flushing-valve. No. 1,242,200; Oct. 9; v. 243; p. 273.
- Keating, Robert M., assignor to Springfield Valve Company, Springfield, Mass. Flushing-valve. No. 1,220,856; Mar. 27; v. 236; p. 1138.
- Keating, William, New York, N. Y. Elevator protective apparatus. No. 1,221,543; Apr. 3; v. 237; p. 190.
- Keating, William J., Escanaba, Mich. Shoveling or digging device. No. 1,217,954; Mar. 6; v. 236; p. 23.
- Keator, Edward O., Cincinnati, Ohio. Adjustable clamp. No. 1,226,221; May 15; v. 238; p. 818.
- Keator, Edward O., Cincinnati, Ohio. Bar and wire-rope clip. No. 1,233,366; July 17; v. 240; p. 670.
- Keator, Edward O., Cincinnati, Ohio. Hanger for temporary girder and beam forms. No. 1,237,525; Aug. 21; v. 241; p. 712.
- Keay, John. (See Pierce, Harry H., assignor.)
- Kebbell, John F., assignor of one-half to G. G. Gros, London, England. Folding box. No. 1,226,531; May 15; v. 238; p. 922.
- Keblinger, Wilbur, Washington, D. C., assignor, by mesne assignments, to Universal Patents Company, Woonsocket, R. I. Caddie-bag and the like receptacle. No. 1,236,313; Aug. 7; v. 241; p. 250.
- Keck, William M., Coalinga, Cal. Underreamer. No. 1,225,968; May 15; v. 238; p. 732.
- Kee, William J., Jr., Kansas City, Kans., and U. Wedge, Ardmore, Pa. Manufacture of sulfuric acid. No. 1,220,752; Mar. 27; v. 236; p. 1102.
- Keefe, James E., Chicago, Ill. Dentifrice. No. 1,211,712; Jan. 9; v. 234; p. 489.
- Keefe, William J., St. Louis, Mo. Amusement apparatus. No. 1,238,151; Aug. 28; v. 241; p. 944.
- Keefer, Philip S. (See Blanchard, Crocker, and Keefer.)
- Keefer, Samuel H. (See Sears and Keefer.) (Reissue.)
- Keefer, Walter L., Fitchburg, Mass. Adjustable expand ing center. No. 1,219,744; Mar. 20; v. 236; p. 711.
- Keegan, Francis W., assignor to D. M. Livingston, New York, N. Y. Radiator. No. 1,239,491; Sept. 11; v. 242; p. 274.
- Keegan, John E., and R. D. Wright, assignors of one-fourth to S. W. Minton, Damascus, Va. Auxiliary air controller and heater. No. 1,238,523; Aug. 28; v. 241; p. 1067.
- Keeler, Alonzo R., Altona, Ill. Corn-gatherer. No. 1,219,327; Mar. 13; v. 236; p. 537.
- Keeler Automatic Headgate Company. (See Keeler, Karl F., assignor.)
- Keeler, Frank F., West Newton, assignor of one-half to T. R. Baker, Indianapolis, Ind. Auxiliary spring for vehicles. No. 1,218,409; Mar. 6; v. 236; p. 181.
- Keeler, John C., Cottonwood, Cal. Scaffold. No. 1,211,318; Jan. 2; v. 234; p. 324.
- Keeler, Karl F., assignor to Keeler Automatic Headgate Company, Provo, Utah. Automatic head-gate. No. 1,210,944; Jan. 2; v. 234; p. 196.
- Keeler, Karl F., assignor to Keeler Automatic Headgate Company, Provo, Utah. Automatic head-gate. No. 1,216,698; Feb. 20; v. 235; p. 868.
- Keeler, Max N., Urbana, Ill. Window structure. No. 1,221,186; Apr. 3; v. 237; p. 65.
- Keen, Eliot, Brooklyn, assignor to The Aladdin Lamp Corporation, New York, N. Y. Electric fan. No. 1,219,745; Mar. 20; v. 236; p. 712.
- Keen, Eliot, Brooklyn, assignor to The Aladdin Lamp Corporation, New York, N. Y. Electric heater. No. 1,220,235; Mar. 27; v. 236; p. 921.
- Keen, Eliot, Brooklyn, assignor to W. P. Dunham, New York, N. Y. Control-switch for electric lamps. No. 1,239,275; Sept. 4; v. 242; p. 179.
- Keenan, Patrick S., Denver, Colo. Automatic make-and-break device. No. 1,229,473; June 12; v. 239; p. 420.
- Keenan, Peter D., San Francisco, Cal. Nursing-bottle bracket. No. 1,232,690; July 10; v. 240; p. 416.
- Keene, Alvin D., Schenectady, N. Y., assignor to General Electric Company. Electric welding system. No. 1,246,106; Nov. 13; v. 244; p. 317.
- Keene, George F., Whitman, Mass., assignor to The United Shoe Machinery Company, Paterson, N. J. Stitch separating and indenting machine. No. 1,232,427; July 3; v. 240; p. 295.
- Keene, Richard. (See Myers and Keene.)
- Keene Shock Absorber Company. (See Olsen, George, assignor.)
- Keene, William J., assignor to Chicago Spring Butt Company, Chicago, Ill. Door-closer. No. 1,243,947; Oct. 23; v. 243; p. 885.
- Keener, George I. (See McLaughlin, Charles W., assignor.)
- Keener, Jacob G., et al., trustees. (See Von Vargyas, Eugene, assignor.)
- Keeney, Fred W., and J. M. Perkins, Oklahoma, Okla. Sedimentation-basin. No. 1,226,893; May 22; v. 238; p. 1081.
- Keeney, Robert M., and L. F. Vogt, Washington, assignors to Standard Chemical Company, Pittsburgh, Pa. Ferro-uranium alloy. No. 1,240,054; Sept. 11; v. 242; p. 451.
- Keeney, Robert M., and L. F. Vogt, Washington, assignors to Standard Chemical Company, Pittsburgh, Pa. Nickel-uranium alloy. No. 1,240,055; Sept. 11; v. 242; p. 451.
- Keeney, Robert M., and L. F. Vogt, Washington, assignors to Standard Chemical Company, Pittsburgh, Pa. Manufacturing ferro-uranium. No. 1,240,056; Sept. 11; v. 242; p. 451.
- Keep, William J., assignor to The Michigan Stove Company, Detroit, Mich. Oven. No. 1,236,718; Aug. 14; v. 241; p. 417.
- Keepfer, Thomas, Philadelphia, Pa. Winding-signal for a talking-machine. No. 1,240,730; Sept. 18; v. 242; p. 699.
- Keeran, Charles R., Chicago, Ill. Receptacle-closure. No. 1,226,532; May 15; v. 238; p. 922.
- Keeran, Charles R., Chicago, Ill. Knife. No. 1,234,345; July 24; v. 240; p. 1024.
- Kees, Frederick, assignor of one-half to J. S. Mitchell, Minneapolis, Minn. Dispensing device. No. 1,220,753; Mar. 27; v. 236; p. 1102.
- Keese, Frank E. (See Gow and Keese.)
- Keesee, Clifton G. (See Campbell, John C., assignor.)
- Keesey, John A., Brooklyn, N. Y. Guide and support for signal-rods. No. 1,251,239; Dec. 25; v. 245; p. 941.
- Keesey, John A., Brooklyn, N. Y. Guide and support for signal-rods. No. 1,251,240; Dec. 25; v. 245; p. 941.
- Keetle, John H., Ashland, Nebr. Road-grading machine. No. 1,211,167; Jan. 2; v. 234; p. 271.
- Kehl, Frank E., assignor to The Dan Patch Novelty Company, Connorsville, Ind. Vehicle-body. No. 1,218,090; Mar. 6; v. 236; p. 70.
- Kehm, August, Chicago, Ill. Radiator-support. No. 1,244,613; Oct. 30; v. 243; p. 1123.
- Kehoe, Charles S., et al., executors. (See Barratt, William T.)
- Kehoe, Christopher C. (See Von Gizinsky, Casimir, assignor.)
- Kehres, Gustav C. (See Bridgen and Kehres.)
- Keichel, William P., Siegfried, Pa. Guard for lathe-dogs. No. 1,232,325; July 3; v. 240; p. 264.
- Keighler, Walter M., Philadelphia, Pa. Gas-heated steam-radiator. No. 1,237,343; Aug. 21; v. 241; p. 654.
- Keil, Gustav B., assignor to Federal Sign System (Electric), Chicago, Ill. Gearing. No. 1,245,109; Oct. 30; v. 243; p. 1273.
- Keil, Henry F., New York, assignor to Library Bureau, Ilion, N. Y. Drawer-pull. No. 1,210,945; Jan. 2; v. 234; p. 196.
- Kell, John M., Boonton, N. J. Greaser. No. 1,213,655; Jan. 23; v. 234; p. 1233.
- Kell, Lewis E., assignor to St. Louis Car Company, St. Louis, Mo. Spring-support. No. 1,237,053; Aug. 14; v. 241; p. 525.
- Keim, Ivan N., Mount Holly, N. J. Tire. No. 1,235,485; July 31; v. 240; p. 1410.
- Keim, Melville I., Chicago, Ill. Tobacco-box. No. 1,216,135; Feb. 13; v. 235; p. 621.
- Keiner, Henry A., New York, N. Y. Sheet-metal container. No. 1,214,925; Feb. 6; v. 235; p. 155.
- Keiper, Frank, et al. (See Kendrick, Alexander M., assignor.)
- Keiper, Frank, et al. (See Marquis, Alexander G., assignor.)
- Keiper, Henry B., Lancaster, Pa. Knockdown forge. No. 1,221,187; Apr. 3; v. 237; p. 66.
- Keiper, Henry B., Lancaster, Pa. Cream-separator. No. 1,241,988; Oct. 2; v. 243; p. 165.
- Keiper, Henry B., Lancaster, Pa. Reaction shock-absorber. No. 1,243,181; Oct. 16; v. 243; p. 617.
- Keiper, Henry B., assignor to Champion Blower & Forge Company, Lancaster, Pa. Audible speed-indicator. No. 1,217,773; Feb. 27; v. 235; p. 1284.
- Keir, Anita H., Philadelphia, Pa. Garment-support. No. 1,218,410; Mar. 6; v. 236; p. 181.
- Keiser, Ferne G., Columbus, Ohio. Tie and making same. No. 1,232,566; July 10; v. 240; p. 375.
- Keister, George W., Kent, Ill. Submarine-destroyer. No. 1,247,963; Nov. 27; v. 244; p. 930.
- Keister, James, Steubenville, Ohio. Reversible four-cycle engine. No. 1,237,054; Aug. 14; v. 241; p. 525.
- Keister, John A., St. Louis, Mo. Valve. No. 1,249,112; Dec. 4; v. 245; p. 197.
- Keister, William E., Essex, Iowa. Drain-tile tool. No. 1,237,788; Aug. 21; v. 241; p. 796.
- Kelter, Charles R., Scammon, Kans. Water-heater. No. 1,232,567; July 10; v. 240; p. 375.
- Keith, Alexander E. (See Blessing, John G., assignor.)
- Keith, Alexander E., assignor, by mesne assignments, to Automatic Electric Company, Chicago, Ill. Supervisory system. No. 1,214,686; Feb. 6; v. 235; p. 72.
- Keith, Alexander E., assignor, by mesne assignments, to Automatic Electric Company, Chicago, Ill. Telephone-exchange system. No. 1,217,121; Feb. 20; v. 235; p. 1013.
- Keith, Alexander E., Hinsdale, Ill., assignor, by mesne assignments, to Automatic Electric Company. Telephone-subscriber's calling mechanism. No. 1,216,323; Feb. 20; v. 235; p. 737.

- Keith, Alexander E., Hinsdale, assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,237,208; Aug. 14; v. 241; p. 571.
- Keith, Boyd B., Mansfield, Ohio. Step-ladder. No. 1,235,696; Aug. 7; v. 241; p. 53.
- Keith, Edward B., Pontiac, Mich. Pressure-regulator for tires. No. 1,243,420; Oct. 16; v. 243; p. 688.
- Keith, Frederick R., Randolph, Mass. Insole. No. 1,211,168; Jan. 2; v. 234; p. 271.
- Keith, Frederick R., Randolph, Mass. Insole. No. 1,232,691; July 10; v. 240; p. 416.
- Keith, George, Sheridan, Ill. Inflating device. No. 1,225,137; May 8; v. 238; p. 408.
- Keith, George, assignor of one-half to J. Keith, London, England. Gas-burner. No. 1,210,654; Jan. 2; v. 234; p. 97.
- Keith, George, assignor of one-half to J. Keith, London, England. Crucible-furnace. No. 1,241,397; Sept. 25; v. 242; p. 942.
- Keith, George, assignor of one-half to J. Keith, London, England. Apparatus for delivering a mixture of gas and air. No. 1,250,319; Dec. 18; v. 245; p. 618.
- Keith, Irving L. (See Brittain, George E., assignor.)
- Keith, Irving L., Haverhill, Mass. Cementing-machine. No. 1,242,561; Oct. 9; v. 243; p. 388.
- Keith, James. (See Keith, George, assignor.)
- Keith and Wright *et al.* (See Wilson, John M., assignor.)
- Keithley, Herbert R., Michigan City, Ind. Dump-car. No. 1,248,666; Dec. 4; v. 245; p. 71.
- Keizer, Marcus L., Baker, Oreg. Vehicle-fender. No. 1,212,497; Jan. 16; v. 234; p. 796.
- Kelbur Manufacturing Company. (See Kelly, William D., assignor.)
- Keliher, James J., Council Bluffs, Iowa, assignor to The Paxton-Mitchell Company, Omaha, Nebr. Valve. No. 1,245,735; Nov. 6; v. 244; p. 179.
- Kell, John A. (See Myers and Kell.)
- Kellam & Shaffer Company, The. (See Cass, Myron T., assignor.)
- Kellan, Edward L., Chicago, Ill. Automatic valve device for distributing liquid under pressure. No. 1,218,567; Mar. 6; v. 236; p. 234.
- Kelleher, Edmond T. (See Gerke, Braisted, and Kelleher.)
- Kellenberger, James E., Pendleton, Oreg., assignor to The Kellenberger Manufacturing Company, Spokane, Wash. Automobile transmission-gearing. No. 1,247,279; Nov. 20; v. 244; p. 700.
- Kellenberger Manufacturing Company, The. (See Kellenberger, James E., assignor.)
- Keller, Abraham I. (See Goldenberg and Keller.)
- Keller, Andreas R., Chicago, Ill. Mash and strainer tank machine. No. 1,213,381; Jan. 23; v. 234; p. 1139.
- Keller, Augustus H. and G. D., Philadelphia, Pa., assignors to said G. D. Keller. Alarm for automobiles. No. 1,245,239; Nov. 6; v. 244; p. 30.
- Keller, Carrie M., Fort Worth, Tex. Hat for dolls and other purposes. No. 1,221,867; Apr. 10; v. 237; p. 333.
- Keller, Charles C., Cleveland, Ohio. Lavatory. No. 1,213,207; Jan. 23; v. 234; p. 1078.
- Keller, Charles G., Poughkeepsie, N. Y. Wrench. No. 1,242,201; Oct. 9; v. 234; p. 274.
- Keller, Cornelius H., *et al.* (See Friberger, Harry L., assignor.)
- Keller-Dorian, Albert, Lyon, France. Film for photographic projections in colors. No. 1,214,552; Feb. 6; v. 235; p. 24.
- Keller, Emory T., City Point, Va. Acid-collecting apparatus. No. 1,247,280; Nov. 20; v. 244; p. 700.
- Keller, Ernest G., Beacon, N. Y. Automatic train-stop. No. 1,236,314; Aug. 7; v. 241; p. 250.
- Keller, Frederick R. (See Henley and Keller.)
- Keller, George D. (See Keller, Augustus H. and G. D.)
- Keller, George E., and J. F. Pender, Vancouver, Wash. Separator. No. 1,249,635; Dec. 11; v. 245; p. 379.
- Keller, George M. (See Applebaugh and Keller.)
- Keller, George W. (See Hancock and Keller.)
- Keller, Harry. (See Farrell and Keller.)
- Keller, Isidore R., Upper Sandusky, Ohio. Rain-water strainer and cut-off. No. 1,242,814; Oct. 9; v. 243; p. 468.
- Keller, James H., Fort Myers, Fla. Sanitary cistern. No. 1,232,929; July 10; v. 240; p. 495.
- Keller, Jeremiah, Chicago, Ill. Motion-picture machine. No. 1,232,326; July 3; v. 240; p. 264.
- Keller, Jeremiah, Chicago, Ill. Intermittent gearing for motion-picture machines. No. 1,232,327; July 3; v. 240; p. 264.
- Keller, Jeremiah, Chicago, Ill. Framing device for motion-picture machines. No. 1,232,328; July 3; v. 240; p. 265.
- Keller, John R., Crafton, Pa., assignor to The American Mechanical Toy Company, Dayton, Ohio. Structural device. No. 1,242,202; Oct. 9; v. 243; p. 274.
- Keller, John W. (See Davis and Keller.)
- Keller, Joseph F., and W. A. Warman, assignors to Keller Mechanical Engraving Company, New York, N. Y. Engraving-machine. No. 1,243,182; Oct. 16; v. 243; p. 618.
- Keller, Joseph M., Montgomery, Ala. Dressing-cabinet. No. 1,247,964; Nov. 27; v. 244; p. 930.
- Keller, Joseph M., Jr., Cleveland, Ohio. Timing mechanism and apparatus involving the same. No. 1,215,166; Feb. 6; v. 235; p. 238.
- Keller, Julius, Fond du Lac, Wis. Detonator for ordnance-shells. No. 1,221,453; Apr. 3; v. 237; p. 159.
- Keller, Julius, Fond du Lac, Wis. Detonator. No. 1,221,454; Apr. 3; v. 237; p. 159.
- Keller, Louis A. (See Phillips and Keller.)
- Keller Mechanical Engraving Company. (See Keller and Warman, assignors.)
- Keller Mechanical Engraving Company. (See Warman, William A., assignor.)
- Keller, William H., Norton, Va. Electric resistance device. No. 1,240,457; Sept. 18; v. 242; p. 617.
- Kellermann, Charles H. (See Curland, Henry, assignor.)
- Kelley, Arthur F., *et al.*, administrators. (See Woodland, Frank O.)
- Kelley, Benjamin F., assignor of one-fourth to R. A. Griffith and one-fourth to D. D. Myers, Tulsa, Okla. Clamp. No. 1,234,038; July 17; v. 240; p. 888.
- Kelley, Charles K., Lead, S. D. Gage. No. 1,246,752; Nov. 13; v. 244; p. 511.
- Kelley, Edward W., Worcester, Mass. Fleece slipper-sole. No. 1,231,263; June 26; v. 239; p. 1091.
- Kelley, George B., Flushing, assignor to Transport Tractor Company, Inc., Long Island City, N. Y. Cushion-spring for three-wheeled tractors. No. 1,239,603; Sept. 11; v. 242; p. 310.
- Kelley, Harry H., Atlanta, Ga. Vacuum shuttle-operating mechanism for looms. No. 1,222,409; Apr. 10; v. 237; p. 525.
- Kelley, Harry H., Atlanta, Ga. Compressed-air shuttle-operating mechanism for looms. No. 1,222,410; Apr. 10; v. 237; p. 526.
- Kelley, Harry R., Minneapolis, assignor of one-half to Purity Baking Company, St. Paul, Minn. Self-propelled vehicle. No. 1,223,495; Apr. 24; v. 237; p. 973.
- Kelley, Jennie, Chicago, Ill. Adjustable wheeled receptacle for golf-clubs. No. 1,231,030; June 26; v. 239; p. 1013.
- Kelley, Joel R., Owasso, Okla. Cultivator attachment. No. 1,229,970; June 12; v. 239; p. 584.
- Kelley, Joel R., Owasso, Okla. Cultivator-arch. No. 1,241,634; Oct. 2; v. 243; p. 54.
- Kelley, John, Bigelow, Ark. Swingletree. No. 1,232,809; July 10; v. 240; p. 455.
- Kelley, John R., Covington, Ky. Cassette. No. 1,213,208; Jan. 23; v. 234; p. 1078.
- Kelley, Joseph H., West Lake, La. Engine. No. 1,235,810; Aug. 7; v. 241; p. 92.
- Kelley, Paul J., Beverly, Mass. Device for use with collets. No. 1,227,626; May 29; v. 238; p. 1356.
- Kelley, William V. D. (See Raleigh and Kelley.)
- Kelgren, Gustaf, Everett, Mass. Load-handling apparatus. No. 1,243,074; Oct. 16; v. 243; p. 587.
- Kelling, John, Milwaukee, Wis. Fleshing-machine. No. 1,235,697; Aug. 7; v. 241; p. 53.
- Kellner, Gustav A. H. (See Patterson and Kellner.)
- Kellner, Mary F., Chicago, Ill. Sewing-bowl. No. 1,241,522; Oct. 2; v. 243; p. 16.
- Kellogg, Carl A., Battle Creek, Mich. Printing-machine. No. 1,232,329; July 3; v. 240; p. 265.
- Kellogg, Charles S. (See Beskow and Kellogg.)
- Kellogg, Charles S., Montclair, N. J. Differential gear. No. 1,227,055; May 22; v. 238; p. 1137.
- Kellogg, Daniel P., assignor of one-half to P. Sheedy, Los Angeles, Cal. Car-roof. No. 1,230,720; June 19; v. 239; p. 869.
- Kellogg, E. C. (See Rees, David D., assignor.)
- Kellogg, Henry L., Bancroft, assignor of one-half to W. A. Runge, Wausau, Wis. Sash-lock. No. 1,238,682; Aug. 28; v. 241; p. 1115.
- Kellogg, James, assignor of one-half to S. Speight, Little Falls, N. J. Circuit-closer for burglar-alarms. No. 1,246,433; Nov. 13; v. 244; p. 417.
- Kellogg, James R. (See Greene, Claude R., assignor.)
- Kellogg, John H., Battle Creek, Mich. Food product and preparing the same. No. 1,219,005; Mar. 13; v. 236; p. 428.
- Kellogg, Ray E., Los Angeles, Cal. Pneumatically-propelled hydroplane. No. 1,238,408; Aug. 28; v. 241; p. 1029.
- Kellogg, Stanley T., Bridgeport, Conn. Motor-cycle gun-mount. No. 1,234,172; July 24; v. 240; p. 968.
- Kellogg Switchboard and Supply Company. (See Currier, Hiram D., assignor.)
- Kellogg Switchboard and Supply Company. (See Currier and Ericson, assignors.)
- Kellogg Switchboard and Supply Company. (See Currier and Utter, assignors.)
- Kellogg Switchboard and Supply Company. (See Deakin, Gerald, assignor.)
- Kellogg Switchboard and Supply Company. (See Dean, William W., assignor.)
- Kellogg Switchboard & Supply Company. (See Dunbar, Francis W., assignor.)
- Kellogg Switchboard & Supply Company. (See Dyson, Alfred H., assignor.)
- Kellogg Switchboard and Supply Company. (See Ericson, Lawrence, assignor.)
- Kellogg Switchboard and Supply Company. (See Ferguson, Thomas H., assignor.)

Alphabetical list of patentees—Continued.

- Kellogg Switchboard and Supply Company. (See Kaisling, William, assignor.)
- Kellogg Switchboard & Supply Company. (See Mueller, George D., assignor.)
- Kellogg Switchboard and Supply Company. (See Reid, William, assignor.)
- Kellogg Switchboard and Supply Company. (See Simpson, Charles A., assignor.)
- Kellogg Switchboard & Supply Company. (See Smith, Charles H., assignor.)
- Kellogg Switchboard & Supply Company. (See Stroud, Harold D., assignor.)
- Kellogg Switchboard & Supply Company. (See Utter, Richard L., assignor.)
- Kellogg Switchboard and Supply Company. (See Weiss, Alfred H., assignor.)
- Kellogg Switchboard and Supply Company. (See Winston, Charles S., assignor.)
- Kellogg, Winthrop C., Wilkinsburg, assignor to Mathews Gravity Carrier Company, Ellwood City, Pa. Reversible coupling for gravity-carriers. No. 1,226,222; May 15; v. 238; p. 819.
- Kellonemi, Walter, Lead, S. D. Barn-door lock. No. 1,238,152; Aug. 28; v. 241; p. 945.
- Kells, Charles E., New Orleans, La. Rotary compressor. No. 1,211,169; Jan. 2; v. 234; p. 271.
- Kelly, Andrew W., and J. Hornyak, Philadelphia, Pa. Slide-rule. No. 1,210,488; Jan. 2; v. 234; p. 39.
- Kelly, Burt O., Shelby, Mich. Oil-burner. No. 1,239,276; Sept. 4; v. 242; p. 179.
- Kelly, Cam. (See Gorham and Kelly.)
- Kelly, Charles R., Cambridge Springs, Pa. Fertilizer-distributor. No. 1,221,742; Apr. 3; v. 237; p. 256.
- Kelly, Eduardo V., Vedado, Habana, Cuba. Illuminated pencil. No. 1,230,721; June 19; v. 239; p. 870.
- Kelly, Edward, and E. Reynolds, Bradley Beach, assignors of one-fifth to F. Newman, Manasquan, N. J. Vaporizer for gas-engines. No. 1,222,106; Apr. 10; v. 237; p. 417.
- Kelly, Edwin, Cazenovia, Wis. Unloading-platform. No. 1,243,948; Oct. 23; v. 243; p. 886.
- Kelly, Edwin W. (See Snook and Kelly.)
- Kelly, Emmett J. (See Cook and Kelly.)
- Kelly Filter Press Company. (See Genter, Albert L., assignor.)
- Kelly, Guy W., assignor of one-half to C. Buchanan, Marceline, Mo. Device for use in the preparation of mayonnaise dressing. No. 1,220,426; Mar. 27; v. 236; p. 990.
- Kelly, Harry L., Washington, D. C. Valve for flushing systems. No. 1,231,378; June 26; v. 239; p. 1130.
- Kelly, Henry, Phoenix, Ala. Wreck-preventer. No. 1,236,315; Aug. 7; v. 241; p. 251.
- Kelly, Henry D., Kansas City, Mo. Hand-hole plate for boilers. No. 1,226,080; May 15; v. 238; p. 771.
- Kelly, Henry D., Kansas City, Mo. Measuring-faucet. No. 1,226,081; May 15; v. 238; p. 772.
- Kelly, Henry D., Kansas City, Mo. Steam-boiler. No. 1,235,811; Aug. 7; v. 241; p. 93.
- Kelly, Hugh W., Trenton, N. J. Track-torpedo. No. 1,249,113; Dec. 4; v. 245; p. 197.
- Kelly, Hugh W., Trenton, assignor of one-half to A. Love, Ridgewood, N. J. Track-torpedo. No. 1,248,667; Dec. 4; v. 245; p. 71.
- Kelly, Hugh W., Trenton, assignor of one-half to A. Love, Ridgewood, N. J. Track-torpedo. No. 1,248,668; Dec. 4; v. 245; p. 72.
- Kelly, Hugh W., Trenton, assignor of one-half to A. Love, Ridgewood, N. J. Track-torpedo. No. 1,248,669; Dec. 4; v. 245; p. 72.
- Kelly, Hugh W., Trenton, assignor of one-half to A. Love, Ridgewood, N. J. Track-torpedo. No. 1,248,670; Dec. 4; v. 245; p. 72.
- Kelly, James L., Nowata, Okla. Air-feeding device for internal-combustion engines. No. 1,249,968; Dec. 11; v. 245; p. 477.
- Kelly, James M., Portland, Oreg. Floor-sander. No. 1,243,949; Oct. 23; v. 243; p. 886.
- Kelly, John A., Philadelphia, Pa. Presser-foot for shoe-sewing machines. No. 1,216,324; Feb. 20; v. 235; p. 788.
- Kelly, John A., Braintree, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Making shoes. (Reissue.) No. 14,261; Feb. 20; v. 235; p. 1017.
- Kelly, John B., assignor of one-half to Z. A. Douglas, Birmingham, Ala. Railway-track sand-remover. No. 1,222,213; Apr. 10; v. 237; p. 455.
- Kelly, John F., assignor to Thomas Maddock's Sons Company, Trenton, N. J. Seat-operated water-closet. No. 1,237,911; Aug. 21; v. 241; p. 834.
- Kelly, John L. M., Trenton, N. J. Automobile and vehicle signaling device. No. 1,222,301; Apr. 10; v. 237; p. 486.
- Kelly, John P., and H. F. Reid, Grantwood, N. J. Composition for removing paint and varnish. No. 1,219,559; Mar. 20; v. 236; p. 649.
- Kelly, John W., Silver City, Miss. Station-indicator. No. 1,239,401; Sept. 4; v. 242; p. 217.
- Kelly, Martin J., New Britain, Conn. Water-closet device. No. 1,215,816; Feb. 13; v. 235; p. 504.
- Kelly, Martin J., New Britain, Conn. Spring-cock. No. 1,241,989; Oct. 2; v. 243; p. 166.
- Kelly, Patrick J., Elizabeth, N. J. Internal-thread-cutting tool. No. 1,234,769; July 31; v. 240; p. 1193.
- Kelly, Richard J., Syracuse, N. Y. Wick-raising mechanism for lanterns. No. 1,241,125; Sept. 25; v. 242; p. 855.
- Kelly, Ruth G., Clifton, Ariz. Extra automobile-seat. No. 1,236,316; Aug. 7; v. 241; p. 251.
- Kelly-Springfield Road Roller Company, The. (See Greiner and Jones, assignors.)
- Kelly-Springfield Road Roller Company, The. (See Jones, Henry D., assignor.)
- Kelly-Springfield Tire Company. (See Mallaby, George F., assignor.)
- Kelly, Walter J. (See Schureman and Kelly.)
- Kelly, William, assignor of forty-nine one-hundredths to C. M. Warner, Memphis, Tenn. Drain for water systems. No. 1,216,815; Feb. 20; v. 235; p. 908.
- Kelly, William A., assignor to A. B. Norwalk, New York, N. Y. Tire-valve. No. 1,223,179; Apr. 17; v. 237; p. 834.
- Kelly, William D., assignor to Kelbur Manufacturing Company, Chicago, Ill. Woodworking-machine. No. 1,245,240; Nov. 6; v. 244; p. 30.
- Kelly, William E., Cleveland, Ohio. Reamer. No. 1,246,607; Nov. 13; v. 244; p. 470.
- Kelly, William F., Syracuse, N. Y. Lubricator. No. 1,235,812; Aug. 7; v. 241; p. 93.
- Kelly, William H., Waltham, Mass. Washboard. No. 1,218,411; Mar. 6; v. 236; p. 181.
- Kelly, William H., Frederick, Okla. Barrel-stand. No. 1,220,640; Mar. 27; v. 236; p. 1064.
- Kelly, William H., Los Angeles, Cal. Making bearing metals. No. 1,234,547; July 24; v. 240; p. 1090.
- Kelly, William H., Cheyenne, Wyo. Flying-machine. No. 1,237,789; Aug. 21; v. 241; p. 796.
- Kelly, William H., Long Branch, N. J. Shock-absorbing-spring device. No. 1,248,671; Dec. 4; v. 245; p. 72.
- Kelly, William J., Clinton, Iowa. Sofa-bed. No. 1,223,798; Apr. 24; v. 237; p. 1082.
- Kelly, William J., Reading, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Making shoes. No. 1,214,316; Jan. 30; v. 234; p. 1491.
- Kelly, William J., Reading, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting-machine. No. 1,214,317; Jan. 30; v. 234; p. 1492.
- Kelly, William J., Reading, Pa., assignor of one-third to H. I. Bernhard, Brooklyn, N. Y. Stitch-down shoe. No. 1,243,421; Oct. 16; v. 243; p. 689.
- Kelly, William J., Reading, Pa., assignor of one-third to H. I. Bernhard, Brooklyn, N. Y. Making stitch-down shoes. No. 1,251,385; Dec. 25; v. 245; p. 984.
- Kelly, William M., assignor to American Type Founders Company, Jersey City, N. J. Printing-press. No. 1,227,450; May 22; v. 238; p. 1266.
- Keloe Company. (See Hilgendorf and Palmer, assignors.)
- Kelsall, George A., assignor to Western Electric Company, Incorporated, New York, N. Y. Loading unit for telephone systems. No. 1,238,153; Aug. 28; v. 241; p. 945.
- Kelsall, Oliver H., et al. (See Medanich, Daniel B., assignor.)
- Kelsay, Le Roy W., assignor of one-half to J. L. Grindle, New York, N. Y. Device for developing roll-films. No. 1,212,498; Jan. 16; v. 234; p. 796.
- Kelsea, Clarence H. (See Nichols and Kelsea.)
- Kelsey, Cadwallader W., Hartford, Conn. Rear-axle construction for motor-vehicles. No. 1,219,006; Mar. 13; v. 236; p. 428.
- Kelsey, Cadwallader W., Hartford, Conn. Motor-vehicle. No. 1,219,007; Mar. 13; v. 236; p. 429.
- Kelsey Wheel Company. (See Booth, William N., assignor.)
- Kelso, Charles L., Cle Elum, Wash. Lawn or garden sprinkler. No. 1,235,813; Aug. 7; v. 241; p. 93.
- Kelso, Ralph S. (See Moffatt and Kelso.)
- Kelso, Ralph S., Cleveland, Ohio. Revolving-hook construction for sewing-machines. No. 1,235,323; July 31; v. 240; p. 1363.
- Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Coupling-centering mechanism. No. 1,214,318; Jan. 30; v. 234; p. 1492.
- Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car-coupling. No. 1,239,187; Sept. 4; v. 242; p. 149.
- Kelson, Charles H., et al. (See Bergren, John A., assignor.)
- Kemble, William, Kingston, N. Y. Window-shade hanger. No. 1,222,632; Apr. 17; v. 237; p. 645.
- Kemco Electric Manufacturing Company, The. (See Kouyoumjan, Haroutian K., assignor.)
- Kemmerich, William E., New York, N. Y. Automobile-tire. No. 1,217,461; Feb. 27; v. 235; p. 1175.
- Kemon, Frank P., Atlantic City, N. J. Form for concrete construction. No. 1,212,499; Jan. 16; v. 234; p. 797.
- Kemp, Albert H., Pasadena, Cal. Pod-opener. No. 1,215,167; Feb. 6; v. 235; p. 238.
- Kemp, Clarence M., et al. (See Hersey, Arthur J., assignor.)
- Kemp, Ernest A., Châtelaine, near Geneva, Switzerland. Billiard-table. No. 1,220,236; Mar. 27; v. 236; p. 921.
- Kemp, Harry T., and H. P. Randall, Pasadena, assignors to Kemp Manufacturing Co., Los Angeles, Cal. Drawer-guide. No. 1,248,133; Nov. 27; v. 244; p. 977.
- Kemp, Jack, et al. (See Tela, David E., assignor.)

- Kemp, James R., Newbury, England. Two-stroke-cycle internal-combustion engine. No. 1,242,450; Oct. 9; v. 243; p. 351.
- Kemp, Joseph A., *et al.* (See Patterson, Warren A., assignor.)
- Kemp, Joseph A. (See Patterson, Warren A., assignor.)
- Kemp Manufacturing Co. (See Kemp and Randall, assignors.)
- Kemp Manufacturing Co. (See Randall, Herman P., assignor.)
- Kemp, Walter D., New York, N. Y. Face-protector. No. 1,238,154; Aug. 28; v. 241; p. 945.
- Kemp, William, Altoona, Pa. Drifting-valve for explosion-engines. No. 1,215,381; Feb. 13; v. 235; p. 847.
- Kemp, William W., and W. H. Van Horn, Baltimore, Md. Heater for water-tube boilers. No. 1,234,173; July 24; v. 240; p. 969.
- Kemp, William W., and W. H. Van Horn, Baltimore, Md. Blast-heater. No. 1,244,863; Oct. 30; v. 243; p. 1199.
- Kemp, William W., and W. H. Van Horn, Baltimore, Md. Method of heating. No. 1,244,864; Oct. 30; v. 243; p. 1200.
- Kempel, Arthur B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making mottled rubber flooring. No. 1,215,382; Feb. 13; v. 235; p. 848.
- Kempel, Arthur B., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Porous rubber fabric and producing the same. No. 1,229,284; June 12; v. 239; p. 358.
- Kemper, Frederick W., New York, N. Y. Transmission mechanism for power-driven vehicles. No. 1,243,611; Oct. 16; v. 243; p. 746.
- Kemper, James R., Elkins, W. Va. Bed-rail. No. 1,230,490; June 19; v. 239; p. 793.
- Kemper-Thomas Company, The. (See Henderson, Charles F., assignor.)
- Kemper-Thomas Company, The. (See Henderson, Edwin L., assignor.)
- Kempf, Herman H., Brooklyn, assignor to L. Schlesinger, New York, N. Y. Toy gun. No. 1,249,114; Dec. 4; v. 245; p. 197.
- Kempf, Henry J., assignor to Package Machinery Company, Springfield, Mass. Wrapping-machine. No. 1,226,622; May 15; v. 238; p. 949.
- Kempler, Benjamin, assignor of one-half to S. Wald, New York, N. Y. Automobile-fender. No. 1,240,057; Sept. 11; v. 242; p. 451.
- Kempner, Solomon S. (See Martel and Rascoe, assignors.)
- Kempny, Karl, Cleveland, Ohio. Movable shield. No. 1,234,174; July 24; v. 240; p. 969.
- Kempny, Karol, Cleveland, Ohio. Non-skidding device. No. 1,247,281; Nov. 20; v. 244; p. 700.
- Kemppel, Frederick. (See Smith, Emery N., assignor.)
- Kempshall, Eleazer, deceased, Washington, D. C.; I. B. Kempshall, executor. Composite material for covering drawing-rolls. No. 1,236,317; Aug. 7; v. 241; p. 252.
- Kempshall, Iva B., executor. (See Kempshall, Eleazer.)
- Kempsmith Manufacturing Co., The. (See Parsons, Fred A., assignor.)
- Kempthorne, Leonidas L. (See Boll and Kempthorne.)
- Kempton, Harrison D., Cranston, R. I. Carpet-beater. No. 1,241,222; Sept. 25; v. 242; p. 886.
- Kempton, Willard H., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Coating electric condensers. No. 1,249,770; Dec. 11; v. 245; p. 419.
- Kendall, Burton W., assignor to Western Electric Company, Incorporated, New York, N. Y. Transmission-circuit. No. 1,216,136; Feb. 13; v. 235; p. 621.
- Kendall, David, assignor to The Alliance Machine Company, Alliance, Ohio. Crane. No. 1,226,533; May 15; v. 238; p. 922.
- Kendall, David, assignor to The Alliance Machine Company, Alliance, Ohio. Soaking-pit crane. No. 1,236,089; Aug. 7; v. 241; p. 180.
- Kendall, Edward D., Elizabeth, assignor of one-half to L. T. Haggin, Closter, N. J., and M. V. Haggin and A. McCulloh, New York, N. Y., and H. E. Moller, Montclair, N. J., executors. Sulfonating coal-tar dyes. No. 1,217,462; Feb. 27; v. 235; p. 1175.
- Kendall, Edward D., Elizabeth, assignor of one-third to L. T. Haggin, Closter, N. J., M. V. Haggin, A. McCulloh, and H. E. Moller, New York, N. Y., as executors. Composition of matter for adapting carbon residues from the distillation of petroleum for use in smelting-furnaces. No. 1,236,447; Aug. 14; v. 241; p. 326.
- Kendall, Hazel C., Boston, Mass. Envelop-sealing tool. No. 1,244,054; Oct. 23; v. 243; p. 918.
- Kendall, Ira H., Potsdam, N. Y. Milk-testing bottle. No. 1,221,455; Apr. 3; v. 237; p. 159.
- Kendall, William G., Newark, N. J. Spout for receptacles. No. 1,213,500; Jan. 23; v. 234; p. 1179.
- Kendall, William G., Newark, N. J. Rouge-pad. No. 1,213,501; Jan. 23; v. 234; p. 1180.
- Kendall, William G., Newark, N. J. Compressed-powder holder. No. 1,223,985; Apr. 24; v. 237; p. 1144.
- Kendall, William G., Newark, N. J. Hinge for vanity-cases. No. 1,225,439; May 8; v. 238; p. 512.
- Kendall, William G., Newark, N. J. Safety-catch. No. 1,228,025; May 29; v. 238; p. 1493.
- Kendall, William G., Newark, N. J. Vanity-box. No. 1,229,285; June 12; v. 239; p. 356.
- Kendall, William G., Newark, N. J. Combination vanity-case. No. 1,229,286; June 12; v. 239; p. 356.
- Kendall, William G., Newark, N. J. Rouge-pad holder. No. 1,236,843; Aug. 14; v. 241; p. 457.
- Kendall, William G., Newark, N. J. Rouge-pad holder. No. 1,236,844; Aug. 14; v. 241; p. 457.
- Kendall, William G., Newark, N. J. Hinge for boxes and the like. No. 1,236,845; Aug. 14; v. 241; p. 457.
- Kendall, William G., Newark, N. J. Lip-stick holder. No. 1,236,846; Aug. 14; v. 241; p. 457.
- Kendall, William G., Newark, N. J. Powder-press. No. 1,244,096; Oct. 23; v. 243; p. 930.
- Kendig, Benton B., Mount Vernon, N. Y. Accerting device for music-players. No. 1,237,651; Aug. 21; v. 241; p. 753.
- Kendig, Julian H., Pittsburgh, Pa. Insulator. No. 1,217,315; Feb. 27; v. 235; p. 1122.
- Kendig, Julian H., Pittsburgh, Pa. Headlight apparatus for vehicles and process for dimming. No. 1,245,241; Nov. 6; v. 244; p. 30.
- Kendig, Julian H., Pittsburgh, Pa. Support for electrical fixtures. No. 1,246,107; Nov. 13; v. 244; p. 318.
- Kendrick, Alexander M., Brooklyn, assignor of one-half to C. J. Pembroke and one-half to F. Keiper, Rochester, N. Y. Safety device for presses, &c. No. 1,244,097; Oct. 23; v. 243; p. 930.
- Kendrick, Fayette D., St. Paul, Minn. Sled attachment for perambulators. No. 1,233,792; July 17; v. 240; p. 810.
- Kendrick, James P., Fayette, Mo. Automatic dirigible light-support. No. 1,227,154; May 22; v. 238; p. 1172.
- Kendrick, John W., Chicago, Ill. Rail securing and supporting means. No. 1,241,857; Oct. 2; v. 243; p. 124.
- Kendrick, Solomon, Revere, assignor to Everlastik, Incorporated, Boston, Mass. Needle-loom. No. 1,239,604; Sept. 11; v. 242; p. 310.
- Kendrick, Solomon, Revere, assignor to Everlastik, Incorporated, Boston, Mass. Needle-loom. No. 1,239,605; Sept. 11; v. 242; p. 311.
- Kendricks, W. H. (See Davidson, Benjamin H., assignor.)
- Kengle, Harry V. (See Crain, Kengle, and Bundy.)
- Kennard, Charles B. (See Thompson and Kennard.)
- Kennard, William K., assignor of one-half to S. S. Kimball, Bangor, Me. Coupling for hose and pipes. No. 1,236,182; Aug. 7; v. 241; p. 210.
- Kennecott Copper Corporation. (See Stannard, Earl T., assignor.)
- Kennedy, Alfred D., Greenville, S. C., assignor of one-half to American Machine & Manufacturing Company. Means for indicating abnormal temperatures in vegetable matter. No. 1,224,385; May 1; v. 238; p. 97.
- Kennedy, Alfred D., Greenville, S. C., assignor of one-half to American Machine & Manufacturing Company. Machine for separating meats of cotton-seed from the hulls. No. 1,246,108; Nov. 13; v. 244; p. 318.
- Kennedy, Andrew J., Chicago, Ill. Safety delivery-receptacle. No. 1,219,328; Mar. 13; v. 236; p. 537.
- Kennedy, Arthur M. (See Smyser, Louis B., assignor.)
- Kennedy, Arthur M., Philadelphia, Pa. Fender for motor-vehicles. No. 1,212,071; Jan. 9; v. 234; p. 616.
- Kennedy, Carlton L., South Braintree, assignor to The Holtzer-Cabot Electric Company, Brookline, Mass. Centrifugal switch. No. 1,222,633; Apr. 17; v. 237; p. 646.
- Kennedy, Carlton L., South Braintree, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Dynamo-electric machine. No. 1,238,923; Sept. 4; v. 242; p. 65.
- Kennedy, Charles E. (See Mosteller and Kennedy.)
- Kennedy, Charles J., assignor to Northern Novelty Manufacturing Company, Duluth, Minn. Instrument. No. 1,225,969; May 15; v. 238; p. 732.
- Kennedy, Charles J., and W. W. Blackshaw, Duluth, Minn. Hand-stamp-aligning device. No. 1,249,417; Dec. 11; v. 245; p. 316.
- Kennedy, Charles W., Clarence, assignor of one-half to W. Jackson, Macon, Mo. Four-wheel drive for automobiles. No. 1,229,971; June 12; v. 239; p. 584.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,212,500; Jan. 16; v. 234; p. 797.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,218,264; Mar. 6; v. 236; p. 133.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Type or matrix. No. 1,221,868; Apr. 10; v. 237; p. 334.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Driving mechanism for typographical machines. No. 1,231,905; July 3; v. 240; p. 124.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,231,906; July 3; v. 240; p. 125.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,231,907; July 3; v. 240; p. 125.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,231,908; July 3; v. 240; p. 125.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,234,175; July 24; v. 240; p. 969.

Alphabetical list of patentees—Continued.

- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,246,754; Nov. 13; v. 244; p. 511.
- Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,246,755; Nov. 13; v. 244; p. 512.
- Kennedy, Edward, New York, N. Y. Testing device for water systems. No. 1,216,699; Feb. 20; v. 235; p. 868.
- Kennedy, Edward F., Ansonia, Conn. Stop mechanism. No. 1,217,774; Feb. 27; v. 235; p. 1284.
- Kennedy, Francis M., New Orleans, La. Machine for associating and folding the several sections of newspapers. No. 1,245,465; Nov. 6; v. 244; p. 97.
- Kennedy, Frank B., assignor to The Recording Register & Fare Box Company, New Haven, Conn. Fare-box. No. 1,217,186; Feb. 27; v. 235; p. 1079.
- Kennedy, Frank B., assignor to The Recording Register & Fare Box Company, New Haven, Conn. Registering fare-box. No. 1,246,608; Nov. 13; v. 244; p. 470.
- Kennedy, George A., deceased; M. Kennedy, administratrix, assignor to J. J. Dauch, Sandusky, Ohio. Lifting mechanism for power-operated plows. No. 1,224,879; May 1; v. 238; p. 270.
- Kennedy, George C., Waterloo, Iowa. Vehicle. No. 1,219,821; Mar. 20; v. 236; p. 739.
- Kennedy, George D., Sonora, Cal. Combination pliers and wire-splicer. No. 1,212,501; Jan. 16; v. 234; p. 798.
- Kennedy, George T., Calgary, Alberta, Canada. Air-compressor. No. 1,238,683; Aug. 28; v. 241; p. 1115.
- Kennedy, George W., Columbia, assignor of one-half to J. E. Deaver, Paris, Mo. Lock-keeper. No. 1,238,924; Sept. 4; v. 242; p. 65.
- Kennedy, Harry A., Clearfield, Pa. Refractory material and making the same. No. 1,238,020; Aug. 21; v. 241; p. 869.
- Kennedy, Harry A., Clearfield, Pa. Basic brick. No. 1,240,148; Sept. 11; v. 242; p. 479.
- Kennedy, Harry E. (See Mulvany and Kennedy.)
- Kennedy, Harry G. (See Jungst and Kennedy.)
- Kennedy, Henry A., assignor of five-eighths to A. W. Chapman, Providence, R. I., and one-eighth to Hopedale Manufacturing Company, Hopedale, Mass. Thread guide or eye for loom-shuttles. No. 1,225,035; May 8; v. 238; p. 374.
- Kennedy, James. (See Wright, John G., assignor.)
- Kennedy, James J., Brooklyn, N. Y. Toy. No. 1,211,590; Jan. 9; v. 234; p. 449.
- Kennedy, John T., Soldier City, Kans. Nut-lock. No. 1,212,361; Jan. 16; v. 234; p. 748.
- Kennedy, James W., Canton, Ohio. Ice-cream-cone dispenser. No. 1,218,186; Mar. 6; v. 236; p. 104.
- Kennedy, James W., Canton, Ohio. Apparatus for dispensing semisolid substances. No. 1,250,470; Dec. 18; v. 245; p. 664.
- Kennedy, Joseph, assignor to The Clements Company, New York, N. Y. Wall-socket. No. 1,227,627; May 29; v. 238; p. 1356.
- Kennedy, Joseph, assignor to The Clements Company, New York, N. Y. Wall-socket. No. 1,229,287; June 12; v. 239; p. 356.
- Kennedy, Joseph, assignor to The Clements Company, New York, N. Y. Wall-socket. No. 1,234,176; July 24; v. 240; p. 970.
- Kennedy, Joseph, assignor to The Clements Company, New York, N. Y. Wall-socket. No. 1,234,177; July 24; v. 240; p. 970.
- Kennedy, Joseph, assignor to The Clements Company, New York, N. Y. Wall-socket. No. 1,234,178; July 24; v. 240; p. 970.
- Kennedy, Joseph, assignor to The Clements Company, New York, N. Y. Wall-socket. No. 1,234,179; July 24; v. 240; p. 971.
- Kennedy, Joseph, assignor to The Clements Company, New York, N. Y. Cable-hanger. No. 1,239,108; Sept. 4; v. 242; p. 125.
- Kennedy, Joseph E., New York, N. Y. Locking and automatic tightening device for conoidal mounts. No. 1,231,744; July 3; v. 240; p. 71.
- Kennedy, Julian, Pittsburgh, Pa. Manipulator for rolling-mills. No. 1,220,754; Mar. 27; v. 236; p. 1102.
- Kennedy, Julian, Pittsburgh, Pa. Gas-burner. No. 1,228,217; May 29; v. 238; p. 1555.
- Kennedy, Lewis R. (See Luke, Russell, Kennedy, and Anderson.)
- Kennedy, Lewis T., Hannibal, Mo. Steering-gear attachment. No. 1,215,168; Feb. 6; v. 235; p. 239.
- Kennedy, Louis S., Sandy Ridge, Pa. Arch for locomotive-boiler furnaces. No. 1,213,107; Jan. 16; v. 234; p. 1010.
- Kennedy, Marie, administratrix. (See Kennedy, George A.)
- Kennedy, Otis M., assignor to The Cunningham Piano Company, Philadelphia, Pa. Pneumatic device for player-pianos. No. 1,233,367; July 17; v. 240; p. 670.
- Kennedy, Rayburn F., College Corner, Ohio. Tallying device. No. 1,211,170; Jan. 2; v. 234; p. 272.
- Kennedy, Robert R., West Wheeling, Ohio. Syrup-container. No. 1,232,930; July 10; v. 240; p. 496.
- Kennedy Wagon Company, The. (See Jungst and Kennedy, assignors.)
- Kennedy, Walter J., assignor to The Fuel Economizer Company, Cleveland, Ohio. Automatic valve. No. 1,217,955; Mar. 6; v. 236; p. 24.
- Kennedy, Walter J., and G. Yelle, Indian Orchard, Mass. Monument. No. 1,214,319; Jan. 30; v. 234; p. 1493.
- Kennedy, William B., Warm River, Idaho. Detachable handle for cooking utensils. No. 1,217,010; Feb. 20; v. 235; p. 975.
- Kennedy, William G., New York, N. Y., and B. W. Tucker, South Orange, N. J. Foldable doll-carriage. No. 1,238,524; Aug. 28; v. 241; p. 1067.
- Kennedy, William J., Fairfield, Iowa. Salt-holding device for animals. No. 1,225,645; May 8; v. 238; p. 580.
- Kennedy, William J., Jersey City, N. J. Drill-stand. No. 1,251,046; Dec. 25; v. 245; p. 885.
- Kennel, Thomas J., near Middletown, Ohio. Combined wagon box and rack. No. 1,228,117; May 29; v. 238; p. 1524.
- Kennell, Henry, New York, N. Y. Bottle-holder. No. 1,227,451; May 22; v. 238; p. 1267.
- Kennelly, Joseph T. (See Anderson and Kennelly.)
- Kenney, Francis P., and W. J. Elliott, Philadelphia, Pa. Riveting-machine. No. 1,238,785; Sept. 4; v. 242; p. 20.
- Kenney, Myron E., Sauk, Wash. Saw-filing machine. No. 1,216,187; Feb. 13; v. 235; p. 622.
- Kenney, Patrick H., Keyser, W. Va. Wrist-pin fastening for cross-heads. No. 1,231,745; July 3; v. 240; p. 71.
- Kenney, William J., Wilmette, assignor to Under-Feed Stoker Company of America, Chicago, Ill. Underfeed stoker. No. 1,211,592; Jan. 9; v. 234; p. 450.
- Kenney, William J., Wilmette, and H. P. Grohn, assignors to Underfeed Stoker Company of America, Chicago, Ill. Automatic stoking apparatus. No. 1,211,591; Jan. 9; v. 234; p. 449.
- Kenniker, Nicholas O., assignor to Durable Box Co., Chicago, Ill. Hinge. No. 1,243,950; Oct. 23; v. 243; p. 886.
- Kennington, William O., assignor to Remy Electric Company, Anderson, Ind. Article composed partly of rubber or the like. No. 1,218,568; Mar. 6; v. 236; p. 235.
- Kennington, William O., assignor to Remy Electric Company, Anderson, Ind. System for supplying electricity. No. 1,219,008; Mar. 13; v. 236; p. 429.
- Kennon, C. W. (See Cleveland, William K., assignor.)
- Kenny, John J., Chicago, Ill. Pipe-closure. No. 1,224,934; May 8; v. 238; p. 340.
- Kenny, Luther T., Hawarden, Iowa. Fastener for sliding doors. No. 1,230,722; June 19; v. 239; p. 870.
- Kensbock, George, Easton, Kans. Grain-container for wagon-boxes. No. 1,243,183; Oct. 16; v. 243; p. 619.
- Kenstowicz, Wacław, Chicago, Ill. Rotary brush. No. 1,212,360; Jan. 16; v. 234; p. 748.
- Kent, Arthur A., Philadelphia, Pa. Horn. No. 1,222,107; Apr. 10; v. 237; p. 417.
- Kent, Arthur A., Rosemont, Pa. Electric contact device. No. 1,246,818; Nov. 13; v. 244; p. 530.
- Kent, Bert M., Washington, D. C., assignor to The Kent Vacuum Cleaner Company Inc., Rome, N. Y. Vacuum-creating and dust-separating machine. No. 1,220,641; Mar. 27; v. 236; p. 1065.
- Kent, Burton M., Sayre, Pa., assignor of one-half to E. M. Ragan, Binghamton, N. Y. Locking device. No. 1,211,451; Jan. 9; v. 234; p. 402.
- Kent, Frank W., London, England. Photographic printing paper and transfer process. No. 1,228,680; June 5; v. 239; p. 104.
- Kent, Horace L., Brooklyn, N. Y. Golf-club. No. 1,213,382; Jan. 23; v. 234; p. 1140.
- Kent, John T., Douglas, Ariz. Gate. No. 1,219,822; Mar. 20; v. 236; p. 740.
- Kent Motors Company. (See Fekete, Stephen L., assignor.)
- Kent, Perry E., New York, N. Y. Fastening device for overshoes for tires. No. 1,227,800; May 29; v. 238; p. 1416.
- Kent, Priscilla E. (See Kent, Randal, assignor.)
- Kent, Randal, Elizabethtown, Pa., assignor of one-fourth to P. E. Kent, Washington, D. C. Combined tobacco-receptacle and pipe-cleaner. No. 1,242,902; Oct. 9; v. 243; p. 495.
- Kent, Reese B., Parkersburg, W. Va. Index sheet-music cabinet. No. 1,233,368; July 17; v. 240; p. 671.
- Kent Vacuum Cleaner Company, The. (See Kent, Bert M., assignor.)
- Kenyon, Bertram C., assignor of one-half to Dodge Manufacturing Company, Mishawaka, Ind. Two-cycle internal-combustion engine. No. 1,215,383; Feb. 13; v. 235; p. 348.
- Kenyon, Bertram C., assignor of one-half to Dodge Manufacturing Company, Mishawaka, Ind. Rotating-cylinder gas-engine. No. 1,227,452; May 22; v. 238; p. 1267.
- Kenyon, Carl D., Oswego, N. Y. Burglar-proof safe. No. 1,232,330; July 3; v. 240; p. 266.
- Kenyon, Harrie B., Detroit, assignor to J. M. Richardson, Highland Park, Mich. Headlight. No. 1,229,474; June 12; v. 239; p. 420.
- Kenyon, Otis A., New York, N. Y. Electric welding. No. 1,218,265; Mar. 6; v. 236; p. 133.
- Kenyon, Otis A., New York, N. Y. Electric welding. No. 1,218,266; Mar. 6; v. 236; p. 133.
- Kenyon, Otis A., New York, N. Y. Electric welding. No. 1,218,267; Mar. 6; v. 236; p. 134.
- Kenyon, Otis A., New York, N. Y. Electric welding. No. 1,218,268; Mar. 6; v. 236; p. 134.
- Kenyon, Otis A., New York, N. Y. Electric welding. No. 1,218,269; Mar. 6; v. 236; p. 134.

- Kenyon, Otis A., New York, N. Y. Electric welding. No. 1,229,288; June 12; v. 239; p. 357.
- Kenyon, Roy L., assignor to The R. L. Kenyon Company, Waukesha, Wis. Tufting-machine. No. 1,220,237; Mar. 27; v. 236; p. 922.
- Kenyon, Thomas. (See Isherwood, Arthur, assignor.)
- Keplinger, George W., Nortonville, Ky. Sad-iron heater. No. 1,230,411; June 19; v. 239; p. 766.
- Keppel, Jesse E., St. Louis, Mo. Signal device for electric-railway cars. No. 1,222,634; Apr. 17; v. 237; p. 646.
- Keppel, Jesse E., St. Louis, Mo. Gage. No. 1,229,289; June 12; v. 239; p. 357.
- Keppel, Jesse E., St. Louis, Mo. Valved air-pump. No. 1,234,908; July 31; v. 240; p. 1236.
- Keppel, Jesse E., assignor to Vulcan Valve Company, St. Louis, Mo. Valve. No. 1,212,362; Jan. 16; v. 234; p. 748.
- Keppel, Jesse E., St. Louis, Mo., assignor to Vulcan Valve Company. Valve. No. 1,214,553; Feb. 6; v. 235; p. 25.
- Keppel, Jesse E., assignor to Vulcan Valve Company, St. Louis, Mo. Valve. No. 1,234,907; July 31; v. 240; p. 1236.
- Keppeler, Adolph F., Butte, Mont. Screw-driver. No. 1,238,300; Aug. 28; v. 241; p. 995.
- Keppelman, Paul O., Reading, Pa. Supply-valve. No. 1,220,427; Mar. 27; v. 236; p. 990.
- Keppelmann, Daniel E. (See Oswald, Charles E., assignor.)
- Keppler, Lewis F., Harlan, Iowa. Insulator-bracket. No. 1,219,746; Mar. 20; v. 236; p. 712.
- Ker, Robert A., London, England. Fountain-pen. No. 1,228,781; June 5; v. 239; p. 139.
- Kerby, Joe M., *et al.* (See Dunn, William F., assignor.)
- Kerch, William C., Mill Valley, assignor of one-half to C. Rothschild and one-half to S. Dusenberry, San Francisco, Cal. Electrical-lamp lock. No. 1,238,684; Aug. 28; v. 241; p. 1116.
- Kerchey, John L., Schaghticoke, N. Y. Reef-alarm for ships. No. 1,247,689; Nov. 27; v. 244; p. 850.
- Kerfoot, Thomas J., Bluffton, Ind. Meter-box. No. 1,222,411; Apr. 10; v. 237; p. 526.
- Kerivan, George E., Newton, Mass. Mattress. No. 1,228,783; June 5; v. 239; p. 140.
- Kerlin, Frederick, Brooklyn, N. Y., assignor of one-half to E. B. Ewen, Alloway, N. J. Dust-collector. No. 1,233,246; July 10; v. 240; p. 595.
- Kern, Cecil H. (See Shaw, Frank E., assignor.)
- Kern, Charles J. (See Faessler, Charles A., assignor.)
- Kern, Charles J., Buffalo, N. Y., assignor to Inventors Product Company, Inc. Towel-holder. No. 1,229,475; June 12; v. 239; p. 421.
- Kern, Conrad, Zurich, Switzerland. Dressing-hammer. No. 1,212,502; Jan. 16; v. 234; p. 798.
- Kern, Edward N., Portsmouth, Ohio. Liquid-fuel-dispensing apparatus. No. 1,210,811; Jan. 2; v. 234; p. 149.
- Kern, Edward N., Portsmouth, Ohio. Liquid-fuel-dispensing apparatus. No. 1,210,812; Jan. 2; v. 234; p. 149.
- Kern, George, Peru, Ill. Coin-controlled machine. No. 1,224,115; Apr. 24; v. 237; p. 1189.
- Kern, George, Peru, Ill. Coin-controlled machine. No. 1,225,720; May 8; v. 238; p. 605.
- Kern, George, Peru, Ill. Vending apparatus. No. 1,225,970; May 15; v. 238; p. 732.
- Kern, George, Peru, Ill. Vending apparatus. No. 1,226,774; May 22; v. 238; p. 1042.
- Kern, Ralph A., *et al.* (See Grove, Edward H., assignor.)
- Kern, Roy S., assignor of one-half to L. H. Blacklock, St. Paul, Minn. Piston. No. 1,218,569; Mar. 6; v. 236; p. 235.
- Kern, Willis H. (See Baxter and Kern.)
- Kern, Xavier, West Brookfield, Ohio. Unloading-chute for cars. No. 1,251,238; Dec. 25; v. 245; p. 940.
- Kerner Manufacturing Company. (See Dodds, Ethan I., assignor.)
- Kerner Manufacturing Company. (See Frauenheim, Joseph A., assignor.)
- Kernohan, Robert B., and N. C. Rendleman, Pittsburgh, Pa. Universal mill. No. 1,228,782; June 5; v. 239; p. 139.
- Kerosene Motor Appliance Co. (See Smith, John E., assignor.)
- Kerr, Andrew, Belfast, Ireland. Automatic train and the like control and (or) signaling system. No. 1,218,270; Mar. 6; v. 236; p. 134.
- Kerr, Andrew, Belfast, Ireland. Railway signaling. No. 1,242,701; Oct. 9; v. 243; p. 433.
- Kerr, Charles H., Tarentum, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Pot for the manufacture of plate-glass and making the same. No. 1,217,956; Mar. 6; v. 236; p. 24.
- Kerr, Charles V., East Orange, N. J., assignor to The American Well Works, Aurora, Ill. Air-compressor. No. 1,233,275; July 10; v. 240; p. 604.
- Kerr, Charles V., Wellsville, N. Y., assignor to The American Well Works, Aurora, Ill. Speed-governor. No. 1,233,276; July 10; v. 240; p. 605.
- Kerr, Daniel E., Portland, Me. Curtain-shade and roller connector. No. 1,215,032; Feb. 6; v. 235; p. 194.
- Kerr, Jay, Adrian, Mich. Forming nut-locking washers. No. 1,231,909; July 3; v. 240; p. 126.
- Kerr, Oscar F., Como, Tex. Discharge-tube for fertilizer-distributors. No. 1,219,823; Mar. 20; v. 236; p. 740.
- Kerr Turbine Company. (See Dahlstrand, Josef Y., assignor.)
- Kerrick, Walter B., Los Angeles, Cal. Spring-wheel. No. 1,237,913; Aug. 21; v. 241; p. 835.
- Kersey, Amos W. (See Leggett and Kersey.)
- Kershaw, Grindrod. (See Holt and Kershaw.)
- Kershaw, Harry, Manchester, England. Grinding attachment for lathes. No. 1,251,047; Dec. 25; v. 245; p. 885.
- Kershaw, Henry, Chicago, Ill. Filter. No. 1,247,118; Nov. 20; v. 244; p. 654.
- Kershaw, Joseph, Joplin, Mo. Dancing doll. No. 1,233,786; Sept. 4; v. 242; p. 20.
- Kershner, Francis E., Henry, W. Va. Spoon-holder. No. 1,211,171; Jan. 2; v. 234; p. 272.
- Kerst, John G., Springfield, Ill. Shocking accessory for harvesting-machines. No. 1,221,743; Apr. 3; v. 237; p. 256.
- Kersteln, Ernest A., Union, N. J., assignor to American Meter Co., New York, N. Y. Indicating adjunct for gas-meters. No. 1,244,340; Oct. 23; v. 243; p. 1003.
- Kersten, Jacob, Grand Rapids, Mich. Top construction for dress-forms. No. 1,218,271; Mar. 6; v. 236; p. 135.
- Kersten, Jacob, Grand Rapids, Mich. Adjustable dress-form connection. No. 1,218,272; Mar. 6; v. 236; p. 135.
- Kersten, Jacob, Grand Rapids, Mich. Integral nut-lock, spring, and washer. No. 1,221,456; Apr. 3; v. 237; p. 160.
- Kersten, Jacob, Grand Rapids, Mich. Casket construction. No. 1,234,180; July 24; v. 240; p. 971.
- Kersten, Rudolf, Dresden, N. D. Apparatus for washing or developing photographic plates or films. No. 1,234,346; July 24; v. 240; p. 1025.
- Kersteter, Charles W., Milwaukee, Wis. Alarm for wet-pipe automatic fire-extinguishing systems. No. 1,211,452; Jan. 9; v. 234; p. 402.
- Kerto Corporation. (See Kohout, George A., assignor.)
- Kertész, Alex, assignor to R. Kertesz, Newark, N. J. Pipe-coupling clamp. No. 1,223,054; Apr. 17; v. 237; p. 790.
- Kertesz, R. (See Kertész, Alex, assignor.)
- Kerwin, Michael, Philadelphia, assignor of one-half to himself, and one-half to F. Baldwin, Bristol, Pa. Doffing mechanism for spinning-machines. No. 1,242,947; Oct. 16; v. 243; p. 545.
- Kesling, Elmer G., Bloomfield, Mo. Print-titling-film roll. No. 1,234,770; July 31; v. 240; p. 1193.
- Kespohl, William, Hannibal, Mo. Brick-machine. No. 1,241,398; Sept. 25; v. 242; p. 942.
- Kesses, Charles, New York, N. Y. Moving-picture camera. No. 1,223,341; Apr. 17; v. 237; p. 886.
- Kesses, Charles, New York, N. Y. Combination photo and type printing machine. No. 1,228,784; June 5; v. 239; p. 140.
- Kessler, Charles H., Harrisonville, Mo. Corn-planter. No. 1,217,011; Feb. 20; v. 235; p. 975.
- Kessler, John H., Yonkers, N. Y. Skate. No. 1,249,115; Dec. 4; v. 245; p. 198.
- Kessler, Martin C., assignor to The Kessler Motor Company, Denver, Colo. Explosive-engine. No. 1,221,544; Apr. 3; v. 237; p. 191.
- Kessler, Martin C., assignor to Kessler Motor Company, Denver, Colo. Explosive-engine. No. 1,221,545; Apr. 3; v. 237; p. 191.
- Kessler, Martin C., assignor to The Kessler Motor Company, Denver, Colo. Explosive-engine. No. 1,234,039; July 17; v. 240; p. 889.
- Kessler Motor Company, The. (See Kessler, Martin C., assignor.)
- Kessler, Otto, Passaic, N. J. Swivel attachment-plug. No. 1,231,379; June 26; v. 239; p. 1130.
- Kessler, William E., Jersey City, N. J. Periscope. No. 1,225,646; May 8; v. 238; p. 580.
- Kester, Jeremiah B. (See Bryfogle and Kester.)
- Kester, John E., Curwensville, Pa. Non-skidding device. No. 1,249,969; Dec. 11; v. 245; p. 477.
- Kester, Willard W., Paso Robles, Cal. Insect-beater. No. 1,225,971; May 15; v. 238; p. 733.
- Kesterson, Reuben N., near Knoxville, Tenn. Rope-faster. No. 1,251,048; Dec. 25; v. 245; p. 886.
- Ketcham, Louis B., Binghamton, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Needle-guard for sewing-machines. No. 1,212,778; Jan. 16; v. 234; p. 897.
- Ketchen, Christopher A., Jr. (See Malcomson and Ketchen.)
- Ketcher, Frederick J. (See Snyder, Erle B., assignor.)
- Ketchum, Alice M. (See Lacroix, Fred, assignor.)
- Ketchum, Frank B., *et al.* (See Wise, Joseph C., assignor.)
- Ketler, William H., assignor of one-third to A. Macalister, Camden, N. J. Poison-bottle indicator. No. 1,245,736; Nov. 6; v. 244; p. 179.
- Ketola, John, San Francisco, Cal. Paper-hanger's tool. No. 1,247,119; Nov. 20; v. 244; p. 654.
- Kettel, Charles, assignor of one-fourth to J. A. Skillman, St. Louis, Mo. Hot-water boiler. No. 1,211,172; Jan. 2; v. 234; p. 272.
- Kettell, Seneca, North Scituate, R. I. Plate and pan lifter. No. 1,213,882; Jan. 30; v. 234; p. 1340.
- Kettelson, Harry C., Milwaukee, Wis. Roofing-cleat. No. 1,225,972; May 15; v. 238; p. 733.

Alphabetical list of patentees—Continued.

- Ketterer, Charles A., East St. Louis, Ill. Refrigerator. No. 1,222,635; Apr. 17; v. 237; p. 646.
- Kettering, Charles F., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Co. Ignition system. No. 1,223,180; Apr. 17; v. 237; p. 835.
- Kettering, Charles F., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Co. Ignition device. No. 1,231,264; June 26; v. 239; p. 1091.
- Kettering, Charles F., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Co. Control for electrical systems. No. 1,231,265; June 26; v. 239; p. 1092.
- Kettering, Charles F., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Engine-starting device. No. 1,231,266; June 26; v. 239; p. 1092.
- Kettering, Charles F., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Co. Ignition system. No. 1,233,369; July 17; v. 240; p. 671.
- Kettering, Charles F., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Co. Control for electrical systems. No. 1,233,370; July 17; v. 240; p. 671.
- Kettering, Charles F., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Co. Engine-starting device. No. 1,240,348; Sept. 18; v. 242; p. 582.
- Kettering, Charles F., and W. A. Chryst, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Co. System of selective electrical distribution. No. 1,211,378; Jan. 2; v. 234; p. 341.
- Kettering, Charles F., and W. A. Chryst, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Co. Electric machine. No. 1,229,754; June 12; v. 239; p. 513.
- Kettering, Charles F. and W. A. Chryst, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Co. Engine-starting device. No. 1,241,990; Oct. 2; v. 243; p. 166.
- Kettering, Charles F., and W. A. Chryst, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company. Engine-starting system. No. 1,243,422; Oct. 16; v. 243; p. 690.
- Kettering, Charles F., and W. A. Chryst, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company. Engine-starting system. No. 1,250,188; Dec. 18; v. 245; p. 580.
- Kettering, Charles F., and R. S. De Maree, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Co. Electric switch. No. 1,225,820; May 15; v. 238; p. 682.
- Ketterlinus Lithographic Manufacturing Company. (See Schneider, Francis A., assignor.)
- Keuffel & Esser Company. (See Campbell, Ben J., assignor.)
- Keuffel & Esser Company. (See Sparkes, John G., assignor.)
- Keus, Henri I. (See Van Swoay and Keus.)
- Kevin, Mathew F., Pittsfield, assignor to The James Hunter Machine Company, North Adams, Mass. Drier. No. 1,249,771; Dec. 11; v. 245; p. 419.
- Key, Emmett. (See Rosenfield, Helm, and Key.)
- Key, James E., Pittsburgh, Pa. Shock-absorber. No. 1,243,305; Oct. 16; v. 243; p. 656.
- Key, Lewis R. (See Brantingham and Key.)
- Key, Texal A. (See Miller and Key.)
- Key, Thomas D., Alexandria, Egypt. Disk valve. No. 1,239,015; Sept. 4; v. 242; p. 95.
- Keyel, William. (See Ferguson, Albert M., assignor.)
- Keyes, Eugene L., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Device for bending the tacks of lasted shoes. No. 1,210,655; Jan. 2; v. 234; p. 97.
- Keyes Fibre Company. (See Chaplin, Merle P., assignor.)
- Keyes, Frederick G., Boston, Mass., assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Sterilizing apparatus. No. 1,235,698; Aug. 7; v. 241; p. 53.
- Keyes, Frederick G., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor electric apparatus. No. 1,235,699; Aug. 7; v. 241; p. 54.
- Keyes, Frederick G., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Catalytic synthesis of organic substitution products. No. 1,237,652; Aug. 21; v. 241; p. 754.
- Keyes, Frederick G., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Cleaning and renewing electric lamps. No. 1,237,653; Aug. 21; v. 241; p. 754.
- Keyes, Frederick G., Hoboken, N. J., assignor to National Automatic Refrigerator Company. Refrigerating apparatus. No. 1,242,559; Oct. 9; v. 243; p. 387.
- Keyes, Frederick G., assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Preparing crucibles for preparing fused quartz. No. 1,249,637; Dec. 11; v. 245; p. 380.
- Keyes, Frederick G., Boston, Mass., assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Crucible for preparing fused quartz. No. 1,249,636; Dec. 11; v. 245; p. 379.
- Keyes, Frederick G., Hoboken, N. J., and A. L. Brett, South Braintree, Mass. Water-valve for refrigerating machines. No. 1,235,980; Aug. 7; v. 241; p. 148.
- Keyes, Harold R., North Fond du Lac, Wis. Penholder. No. 1,231,910; July 3; v. 240; p. 126.
- Keyes, Lyman G., National Military Home, Kans. Double-door bolt. No. 1,241,991; Oct. 2; v. 243; p. 167.
- Keynton, Howard, West Hoboken, N. J. Valve for radiators or the like. No. 1,213,108; Jan. 16; v. 234; p. 1010.
- Keyoke Railway Equipment Company. (See Murray, George C., assignor.)
- Keys, Hiram S., Edgcomb, Wash. Silo-packer. No. 1,217,957; Mar. 6; v. 236; p. 25.
- Keys, James J., Brooklyn, N. Y. Arch-support. No. 1,219,331; Mar. 13; v. 236; p. 538.
- Keys, William A., New York, N. Y. Necktie. No. 1,219,329; Mar. 13; v. 236; p. 538.
- Keys, William A., New York, N. Y. Necktie. No. 1,219,330; Mar. 13; v. 236; p. 538.
- Keystone Driller Co. (See Wagner, George E., assignor.)
- Keystone Driller Company. (See Downie, Robert M., assignor.)
- Keystone Film Company. (See Bentz, Joseph J., assignor.)
- Keystone Leather Company. (See Hofmann and Christy, assignors.)
- Keystone Vehicle Parts Company. (See Summeril, Frank H., assignor.)
- Khumber, Gustave, and A. A. Williams, Denver, Colo. Steam-packing valve. No. 1,218,187; Mar. 6; v. 236; p. 104.
- Kibele, Eugene, assignor to Southern Well Works Company, Chattanooga, Tenn. Lifting-clamp for well-casings. No. 1,231,616; July 3; v. 240; p. 26.
- Kicklighter, Charles H., Macon, Ga. Electric riveting. No. 1,236,090; Aug. 7; v. 241; p. 181.
- Kicklighter, Charles H., Macon, Ga. Electric welding. No. 1,236,091; Aug. 7; v. 241; p. 181.
- Kicklighter, Charles H., Pasadena, Cal., assignor to Westinghouse Electric & Manufacturing Company. Voltage-regulator. No. 1,222,412; Apr. 10; v. 237; p. 527.
- Kidd, Irvin A., Salisbury, assignor of one-half to T. H. Kritzer, Spencer, N. C. Pipe-clamp. No. 1,241,126; Sept. 25; v. 242; p. 855.
- Kidd, Lewis, Indianapolis, Ind. Reinforced-concrete railway-tie. No. 1,239,402; Sept. 4; v. 242; p. 217.
- Kidde, Regnar, New York, N. Y. Safety-heater. No. 1,235,573; Aug. 7; v. 241; p. 15.
- Kidder, George C., Salt Lake City, Utah. Furnace or stove construction. No. 1,226,082; May 15; v. 238; p. 772.
- Kidder, Horatio G. S., Crewe, Va. Framing-tool. No. 1,237,790; Aug. 21; v. 241; p. 797.
- Kidder, Walter M. (See Hood, Anderson, Feters, McClincy, Gagnon, and Kidder.)
- Kidder, Wellington H., Roosevelt, assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Stand or support for loose-leaf books, &c. No. 1,223,075; Apr. 17; v. 237; p. 797.
- Kidder, Wellington H., Roosevelt, assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Sheet-collating device, &c. No. 1,251,241; Dec. 25; v. 245; p. 941.
- Kidder, Wellington P., Boston, Mass. Carbureter. No. 1,238,787; Sept. 4; v. 242; p. 20.
- Kidwell, Edgar, Washington, D. C., assignor to Waste Utilities Company of Delaware, New York, N. Y. Refuse-furnace. No. 1,239,403; Sept. 4; v. 242; p. 218.
- Kidwell, John A., Columbus, Ohio. Mail-bag lock. No. 1,229,290; June 12; v. 239; p. 358.
- Kieckhefer Box Company. (See Simpson, Frost V., assignor.)
- Kiefer, James H., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Co. Automatic circuit-controlling device. No. 1,230,172; June 19; v. 239; p. 688.
- Kiefer, Karl, Cincinnati, Ohio. Filtering apparatus. No. 1,211,947; Jan. 9; v. 234; p. 576.
- Kiefer, Karl, Cincinnati, Ohio. Filling apparatus. No. 1,216,574; Feb. 20; v. 235; p. 827.
- Kiefer, Karl, Cincinnati, Ohio. Filling apparatus. No. 1,227,628; May 29; v. 238; p. 1357.
- Kiehl, Fred G., Muscotah, Kans. Folding crate. No. 1,232,331; July 3; v. 240; p. 266.
- Kiehl, Hugo, Chicago, Ill. Electric incandescent lamp. No. 1,217,775; Feb. 27; v. 235; p. 1285.
- Kiehl, William B., Pittsburgh, Pa. Awning-pulley. No. 1,241,992; Oct. 2; v. 243; p. 167.
- Kiel, Frank. (See Geminden and Kiel.)
- Kiel Manufacturing Company. (See Kiel, Peter P., assignor.)
- Kiel, Peter P., assignor to Kiel Manufacturing Company, Albert Lea, Minn. Wringer-bracket. No. 1,211,593; Jan. 9; v. 234; p. 450.
- Kielkowicz, Pawel. (See Puchalski and Kielkowicz.)
- Kienzie, Herbert, New York, N. Y. Shade-holder. No. 1,221,744; Apr. 3; v. 237; p. 257.
- Kieren, Joseph, Gilbert, Minn. Alarm for cars. No. 1,225,036; May 8; v. 238; p. 375.
- Kiernan, Thomas F., Salida, Cal. Headlight-dimmer. No. 1,230,304; June 19; v. 239; p. 732.
- Kiersey, Thomas. (See Ebrill and Kiersey.)
- Kierstead, James S., Plymouth, Mass. Nut-lock. No. 1,235,205; July 31; v. 240; p. 1327.
- Kies, Eugene, Chicago, Ill. Lock. No. 1,217,012; Feb. 20; v. 235; p. 975.
- Kieselguhr Company of America. (See Krieger, Arthur H., assignor.)
- Kieser, Walter, Charlottenburg, Germany, assignor to General Electric Company. Machine for use in condenser systems. No. 1,246,109; Nov. 13; v. 244; p. 319.
- Kieser, Walter, and G. Pagel, Charlottenburg, Germany, assignors to General Electric Company. Pump. No. 1,215,282; Feb. 6; v. 235; p. 278.

- Kiessig, Harry R., Berkeley, Cal. Firearm-cleaning-rod tip. No. 1,213,383; Jan. 23; v. 234; p. 1140.
- Kieves, Philip, *et al.* (See Mallove, Morris, assignor.)
- Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing-machine. No. 1,214,170; Jan. 30; v. 234; p. 1438.
- Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Mechanical movement. No. 1,234,771; July 31; v. 240; p. 1194.
- Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Stop-motion. No. 1,234,772; July 31; v. 240; p. 1194.
- Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing-machine. No. 1,234,773; July 31; v. 240; p. 1194.
- Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole-sewing machine. No. 1,248,134; Nov. 27; v. 244; p. 977.
- Kiewicz, John, Hyde Park, assignor to The Reece Button Hole Machine Company, Boston, Mass. Stop mechanism. No. 1,223,397; Apr. 24; v. 237; p. 938.
- Kiggen, John H., *et al.* (See De Mesquita, Jacques L., assignor.)
- Kightlinger, Adelbert D., Washington, Pa. Derrick. No. 1,221,747; Apr. 3; v. 237; p. 258.
- Kihlgren, Theodor, assignor, by mesne assignments, to National Equipment Company, Springfield, Mass. Stringing device for making confections. No. 1,210,946; Jan. 2; v. 234; p. 196.
- Kilb, George J., Covington, Ky., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for operating on insoles. No. 1,243,951; Oct. 23; v. 243; p. 887.
- Kilbourn Manufacturing Corporation. (See Smith, William E., assignor.)
- Kilbourne and Jacobs Manufacturing Company, The. (See Burner, William L., assignor.)
- Kilbourne and Jacobs Manufacturing Company, The. (See Burner and Benbow, assignors.)
- Kilburn, Charles, Cincinnati, Ohio. Stone-tool. No. 1,214,320; Jan. 30; v. 234; p. 1493.
- Kilburn, John E., assignor to Hale and Kilburn Company, Philadelphia, Pa. Car-seat. No. 1,220,642; Mar. 27; v. 236; p. 1065.
- Kilburn, John E., assignor to Hale and Kilburn Company, Philadelphia, Pa. Reversible car-seat. No. 1,228,785; June 5; v. 239; p. 140.
- Kilburn, John E., assignor to Hale and Kilburn Company, Philadelphia, Pa. Car-seat. No. 1,232,931; July 10; v. 240; p. 496.
- Kilby Car & Foundry Company. (See Darden and Doering, assignors.)
- Kilby, Herbert N., Cleveland, Ohio. Filter. No. 1,211,859; Jan. 9; v. 234; p. 544.
- Kilby, Herbert N., Cleveland, Ohio. Filter. No. 1,229,755; June 12; v. 239; p. 514.
- Kilby, Herbert N., assignor to J. F. Kilby and J. Gehring, Cleveland, Ohio. Brick manufacture. No. 1,231,267; June 26; v. 239; p. 1093.
- Kilby, Joseph F., *et al.* (See Kilby, Herbert N., assignor.)
- Kilby Manufacturing Company, The. (See Shatto, George E., assignor.)
- Kildow, George W., Yates Center, Kans. Corn-header. No. 1,213,502; Jan. 23; v. 234; p. 1180.
- Kile, Leon W., Struthers, Ohio. Metal-cutting apparatus. No. 1,244,744; Oct. 30; v. 243; p. 1164.
- Kile, R. P. (See Beeman, Charley L., assignor.)
- Kilgen, Alfred G., St. Louis, Mo. Organ-valve. No. 1,247,844; Nov. 27; v. 244; p. 897.
- Kilgore, Charles F. (See Blevins, Kilgore, and Blevins.)
- Kilgore, Frederick O., Somerville, assignor to Spray Primer Company, Boston, Mass. Priming apparatus. No. 1,216,460; Feb. 20; v. 235; p. 786.
- Kilgore, Frederick O., assignor to Spray Primer Company, Boston, Mass. Primer. No. 1,233,247; July 10; v. 240; p. 596.
- Kilgore, Joseph D., Homestead, Pa. Toy pistol. No. 1,225,821; May 15; v. 238; p. 683.
- Kilgour, Dwight F., Lexington, Mass. Lubricator. No. 1,242,702; Oct. 9; v. 243; p. 433.
- Kilham, Arthur E., *et al.* (See Turner, Frank A., assignor.)
- Kilian, Ernst B., Highland Falls, N. Y. Illuminated sign. No. 1,247,408; Nov. 20; v. 244; p. 736.
- Kilkenny, Thomas R., North Providence, assignor to H. N. Pervar Co., Providence, R. I. Clasp. No. 1,214,794; Feb. 6; v. 235; p. 108.
- Kilkenny, William F., assignor to Strathmore Company, Providence, R. I. Tea-ball tree. No. 1,216,700; Feb. 20; v. 235; p. 869.
- Kilkenny, William F., assignor to Strathmore Company, Providence, R. I. Dish-holder. No. 1,235,206; July 31; v. 240; p. 1327.
- Kilker, John E. (See Dake and Kilker.)
- Kilark Electric Manufacturing Company. (See Thomas, Henry V., assignor.)
- Killebrew, Edward, St. Louis, Mo. Headlight-dimmer. No. 1,238,685; Aug. 28; v. 241; p. 1116.
- Killebrew, Oscar D., Richmond, Va. Cotton-picker. No. 1,235,486; July 31; v. 240; p. 1410.
- Killen, Edward B., London, England. Rubber tire and its attachment and detachment to and from wheels. No. 1,225,973; May 15; v. 238; p. 733.
- Killian, Albert T., Buffalo, N. Y. Thrust-bearing. No. 1,228,567; June 5; v. 239; p. 66.
- Killian, Albert T., Buffalo, N. Y. Roller-bearing. No. 1,246,934; Nov. 20; v. 244; p. 601.
- Killian, George H. (See Holland, James J., assignor.)
- Killian, Laurence J., Boston, Mass. Automobile signaling device. No. 1,212,363; Jan. 16; v. 234; p. 748.
- Killinger, Albert T. (See Mendenhall and Killinger.)
- Killingsworth, Troy, Ash Grove, Mo. Display device. No. 1,217,013; Feb. 20; v. 235; p. 976.
- Killingsworth, Wilber, assignor to The Chillicothe Bean Snipper Company, Chillicothe, Ohio. Machine for snipping beans, &c. No. 1,246,110; Nov. 13; v. 244; p. 319.
- Killingsworth, Wilber, Columbus, assignor to The Phiney Engineering Company, Chillicothe, Ohio. Machine for trimming the ends of articles. No. 1,246,935; Nov. 20; v. 244; p. 601.
- Killius, Albert C., Spokane, Wash. Negative-holder. No. 1,236,092; Aug. 7; v. 241; p. 182.
- Killman Hydraulic Power Transmission Company. (See Killman, Thomas A., assignor.)
- Killman, Thomas A., Nashville, assignor to Killman Hydraulic Power Transmission Company, Tullahoma, Tenn. Motor or pump. No. 1,221,333; Apr. 3; v. 237; p. 117.
- Kilmer, William, Sr., Brooklyn, Iowa. Chalk-line reel. No. 1,234,347; July 24; v. 240; p. 1025.
- Kilmer, William, Sr., Brooklyn, Iowa. Proportionate feeding device for concrete-mixers. No. 1,247,409; Nov. 20; v. 244; p. 736.
- Kilmer, William A., De Kalb, Ill., assignor to The American & Steel Wire Company of New Jersey, Hoboken, N. J. Closing device for electric circuits. No. 1,220,342; Mar. 27; v. 236; p. 961.
- Kilpatrick, Earl R. (See Hawk, Lewis E., assignor.)
- Kilpatrick, Rolin E. (See Payne, Paul W., assignor.)
- Kilroy, Thomas, Bayonne, N. J. Apparatus for concentrating sulfuric acid. No. 1,211,594; Jan. 9; v. 234; p. 450.
- Kilroy, Willie D. (See Evershed and Kilroy.)
- Kilstrom, Axel, Providence, R. I. Shoe-buckle. No. 1,218,109; Jan. 16; v. 234; p. 1011.
- Kimata, Sampow, Kobe, Japan. Manufacturing tennis-gut. No. 1,231,911; July 3; v. 240; p. 126.
- Klmack, Peter, St. Louis, Mo. Railway-rail. No. 1,242,203; Oct. 9; v. 243; p. 275.
- Kimball, Earl F., Brookline, Mass. Internal-combustion engine. No. 1,249,418; Dec. 11; v. 245; p. 316.
- Kimball, Frank J., assignor to Frank J. Kimball Company, Los Angeles, Cal. Oil-burning internal-combustion engine. No. 1,232,692; July 10; v. 240; p. 416.
- Kimball, Frank J., assignor to Frank J. Kimball Company, Los Angeles, Cal. Rotary well-pump. No. 1,245,466; Nov. 6; v. 244; p. 97.
- Kimball, George E., Rochester, Pa., assignor to Automatic Electric Company, Chicago, Ill. Telephone ring-back or reverting-call system. No. 1,216,461; Feb. 20; v. 235; p. 787.
- Kimball, Grace A., Adamsville, R. I. Coat-hanger. No. 1,214,926; Feb. 6; v. 235; p. 156.
- Kimball, Grace M., New York, N. Y. Garment. No. 1,238,686; Aug. 28; v. 241; p. 1116.
- Kimball, Herbert S., Newton, assignor to Merrimac Chemical Company, Boston, Mass. Making phenols. No. 1,245,353; Nov. 6; v. 244; p. 63.
- Kimball, James L., Salem, assignor to Walter G. Ruggles Company, Boston, Mass. Steam-pressure-regulating valve. No. 1,236,093; Aug. 7; v. 241; p. 182.
- Kimball, Perley L., assignor to The Vermont Farm Machine Company, Bellows Falls, Vt. Regulating device for centrifugal cream-separators. No. 1,232,568; July 10; v. 240; p. 375.
- Kimball, Perley L., assignor to Vermont Farm Machine Company, Bellows Falls, Vt. Suspension and driving device for centrifugal cream-separator bowls. No. 1,232,810; July 10; v. 240; p. 455.
- Kimball, Perley L., assignor to The Vermont Farm Machine Company, Bellows Falls, Vt. Centrifugal cream-separator. No. 1,232,811; July 10; v. 240; p. 456.
- Kimball, Perley L., assignor to The Vermont Farm Machine Company, Bellows Falls, Vt. Flexible bearing. No. 1,246,111; Nov. 13; v. 244; p. 319.
- Kimball, Perley L., assignor to The Vermont Farm Machine Company, Bellows Falls, Vt. Cream-cone for cream-separators. No. 1,247,965; Nov. 27; v. 244; p. 931.
- Kimball, Philip S., Milford, Mass. Jack. No. 1,225,822; May 15; v. 238; p. 683.
- Kimball, Richard D., Medford, Mass. Pipe-supporting frame. No. 1,220,343; Mar. 27; v. 236; p. 962.
- Kimball, Samuel S. (See Kennard, William K., assignor.)
- Kimber, Oscar A., Indianapolis, Ind. Heel-fastener. No. 1,235,824; July 31; v. 240; p. 1363.
- Kimber, Walter E., Harlsden, London, England. Hammer rock-drill. No. 1,212,141; Jan. 9; v. 234; p. 640.
- Kimble, Austin, Glenellyn, Ill. Motor attachment for power-driven machines. No. 1,242,204; Oct. 9; v. 243; p. 275.
- Kimble, Austin, Chicago, and J. D. Nies, St. Charles, assignors to Kimble Electric Company, Chicago, Ill. Synchronous motor. No. 1,217,187; Feb. 27; v. 235; p. 1879.
- Kimble Electric Company. (See Kimble and Nies, assignors.)

Alphabetical list of patentees—Continued.

- Kimble, Fred, assignor of one-half to A. W. Bruner, Los Angeles, Cal. Ball-trap. No. 1,229,092; June 5; v. 239; p. 240.
- Kimbriel, Isham S., Somes, Cal. Cultivator. No. 1,217,776; Feb. 27; v. 235; p. 1285.
- Kimes, Hugh W., assignor to The Vaile-Kimes Company, Dayton, Ohio. Pumping apparatus. No. 1,232,932; July 10; v. 240; p. 496.
- Kimes, Hugh W., assignor to The Vaile-Kimes Company, Dayton, Ohio. Water-supply system. No. 1,247,544; Nov. 20; v. 244; p. 775.
- Kimmerlé, George E. (See Washburne and Kimmerlé.)
- Kimmerling, Adam, Schleisingerville, Wis. Fish-guard. No. 1,215,817; Feb. 13; v. 235; p. 505.
- Kimney, Alfred, Brooklyn, and J. D. Cael, Elmhurst, N. Y. Spigot-valve. No. 1,211,595; Jan. 9; v. 234; p. 451.
- Kimmich, Ernest, Detroit, Mich. Fire-pot attachment. No. 1,225,440; May 8; v. 238; p. 512.
- Kimpitsu Seishi Kabushiki Kaisha. (See Kuroki, Shingo, assignor.)
- Kimura, Kenkichi, Salkamachi, Japan. Compound tooth-brush. No. 1,232,933; July 10; v. 240; p. 496.
- Kimura, Kenkichi, New York, N. Y. Means for cleaning boiler-tubes. No. 1,234,909; July 31; v. 240; p. 1237.
- Kimura, Kenkichi, New York, N. Y. Means for cleaning boiler-tubes. No. 1,237,527; Aug. 21; v. 241; p. 713.
- Kincade, Elmer C., assignor of one-half to J. F. Fisher, Beaumont, Tex. Safety-lamp. No. 1,228,566; June 5; v. 239; p. 66.
- Kincaid, Clara A. B., Indianapolis, Ind. Chemical heater. No. 1,216,816; Feb. 20; v. 235; p. 909.
- Kincaid, John W., Mt. Carmel, Ohio. Road-building machine. No. 1,244,505; Oct. 30; v. 243; p. 1091.
- Kinch, Earl L., assignor to Waterbury Buckle Company, Waterbury, Conn. Marking-ticket. No. 1,230,412; June 19; v. 239; p. 766.
- Kinch, George E., Quirindi, New South Wales, Australia. Night-soil pan and destroyable lining therefor. No. 1,230,413; June 19; v. 239; p. 766.
- Kinden, Nikolai J., Lake Mills, Iowa. Lawn-mower. No. 1,235,144; July 31; v. 240; p. 1308.
- Kinder, Halsey G., assignor to The Widney Company, Chicago, Ill. Electropneumatic organ-valve. No. 1,239,698; Sept. 11; v. 242; p. 341.
- Kindling, Louis, Milwaukee, Wis. Sanding-wagon. No. 1,231,269; June 26; v. 239; p. 1094.
- Kindt, Arthur H., Myerstown, Pa. Planter. No. 1,211,596; Jan. 9; v. 234; p. 451.
- Kindy, Samuel B. (See McKinley and Kindy.)
- Kinehan, John J., Los Angeles, Cal. Orthodontic appliance. No. 1,240,731; Sept. 18; v. 242; p. 700.
- Kinetic Electric Company. (See Becker, Edmund H., assignor.)
- Kinetic Engineering Company. (See Bierck, Harold A., assignor.)
- Kineto Machine Company. (See Willens, George, assignor.)
- King, Adele R., assignor to F. R. King, New York, N. Y. Electric flat-iron. No. 1,249,638; Dec. 11; v. 245; p. 380.
- King, Alfred E., *et al.* (See De Nagy, Desiré, assignor.)
- King, Alick, Lowestoft, assignor to Torbinia Engineering Company (1916) Limited, London, England. Variable governor-gear for internal-combustion engines. No. 1,220,857; Mar. 27; v. 236; p. 1139.
- King, Am Dee, New Albany, Ind. Collapsible drum. No. 1,214,171; Jan. 30; v. 234; p. 1438.
- King, Bruce L. (See Capocéfalo and King, assignors.)
- King, Charles B., B. Jacoby, and C. S. Johnson, assignors to The Marion Steam Shovel Company, Marion, Ohio. Tripping device. No. 1,240,222; Sept. 18; v. 242; p. 543.
- King, Clarence R., Worcester, Mass., assignor to Norton Company. Abrasive wheel. No. 1,235,325; July 31; v. 240; p. 1364.
- King, Clifford G., Providence, R. I. Brooch. No. 1,221,869; Apr. 10; v. 237; p. 334.
- King, Cyril W., Oswego, N. Y. Electric-light fixture. No. 1,213,384; Jan. 23; v. 234; p. 1140.
- King, Dale M., Detroit, Mich. Seat. No. 1,246,278; Nov. 13; v. 244; p. 369.
- King, Edward B., Irvington, N. J. Match-box holder. No. 1,216,325; Feb. 20; v. 235; p. 738.
- King, Ernest A., assignor to Henry Disston & Sons, Incorporated, Philadelphia, Pa. Level. No. 1,241,399; Sept. 25; v. 242; p. 942.
- King, Ernest A., Philadelphia, Pa., assignor to Henry Disston & Sons, Incorporated, Philadelphia, Pa. Plumb. No. 1,246,609; Nov. 13; v. 244; p. 471.
- King, Eugene E., Vancouver, British Columbia, Canada. Rotary air-valve for cornets or the like. No. 1,244,745; Oct. 30; v. 243; p. 1164.
- King, Eugenia W., Birmingham, Ala. Thread-cutting thimble. No. 1,221,546; Apr. 3; v. 237; p. 192.
- King, Eustachius J., Philadelphia, Pa. Switch construction. No. 1,229,972; June 12; v. 239; p. 584.
- King, Frances R. (See King, Adele R., assignor.)
- King, Frederick W., New York, N. Y., assignor to Julius King Optical Co. Goggles. No. 1,223,076; Apr. 17; v. 237; p. 797.
- King, George A., Maple Falls, Wash. Driving mechanism. No. 1,221,334; Apr. 3; v. 237; p. 117.
- King, George H., Tropico, Cal. Non-carbonizing system for internal-combustion engines. No. 1,247,966; Nov. 27; v. 244; p. 931.
- King, George H., Anderson, assignor of one-fourth to R. H. Brunt, Summitville, Ind. Heating-stove. No. 1,224,469; May 1; v. 238; p. 128.
- King, Gilbert, Pittsburgh, Pa. Belt. No. 1,222,302; Apr. 10; v. 237; p. 486.
- King, Gustaves F., Depew, Okla. Hoe-holder. No. 1,237,209; Aug. 14; v. 241; p. 571.
- King & Hamilton Company. (See Gilman, John H., assignor.)
- King & Hamilton Company. (See Gilman, John H. and A. E. assignors.)
- King, Harry W. (See Hawkins, Cyrus, assignor.)
- King, Henry C., Washington, Kans. Supporting device for automobiles. No. 1,212,646; Jan. 16; v. 234; p. 850.
- King, Henry C., Washington, Kans. Vehicle lifter and support. No. 1,247,967; Nov. 27; v. 244; p. 931.
- King, Isaac W., assignor to The Automatic Advertising & Sales Company, Kansas City, Mo. Roll-printing device. No. 1,229,476; June 12; v. 239; p. 421.
- King, James, Leicester, England. Game apparatus. No. 1,215,033; Feb. 6; v. 235; p. 195.
- King, James D., assignor to The Queen City Safety Appliance Company, Meridian, Miss. Safety device for railway-cars. No. 1,222,108; Apr. 10; v. 237; p. 418.
- King, James G. (See Scarborough and King.)
- King, James T., Highland Park, Mich. Piston. No. 1,222,413; Apr. 10; v. 237; p. 527.
- King, Jay A. (See Dalbey, Joel B., assignor.)
- King, Jess E., assignor of one-half to W. C. Pearce, Syracuse, N. Y. Electric load-distributor. No. 1,226,534; May 15; v. 238; p. 922.
- King, Jesse C., Montreal, Quebec, Canada. Electrode and coating therefor. No. 1,223,986; Apr. 24; v. 237; p. 1145.
- King, Jesse G., assignor to Splitdorf Electrical Company, Newark, N. J. Engine-starter. No. 1,219,560; Mar. 20; v. 236; p. 649.
- King, John W., Alpha, Idaho. Dehorning implement. No. 1,239,016; Sept. 4; v. 242; p. 96.
- King, Joseph. (See King, Solomon and J.)
- King, Joseph, Troy, N. Y. Skate. No. 1,245,737; Nov. 6; v. 244; p. 180.
- King, L. E. (See Rowe, George H., assignor.)
- King Lock Company, The. (See Baird, Edward P., assignor.)
- King Lock Company, The. (See Christoph, Emil A., assignor.)
- King, Lowell M., Oregon, Ill. Railway-gate apparatus. No. 1,240,149; Sept. 11; v. 242; p. 479.
- King, Matthew L., Bradley, Ill. Silo-door frame. No. 1,249,970; Dec. 11; v. 245; p. 477.
- King, Michael S., Blackfoot, Idaho. Potato-cutter. No. 1,227,056; May 22; v. 238; p. 1138.
- King, Otto S., New York, N. Y. Safety-fuse coupling for gas-tank valves. No. 1,211,173; Jan. 2; v. 234; p. 273.
- King, Robert L., Yancy Mills, Mo. Automatic lamp-lighter. No. 1,225,647; May 8; v. 238; p. 580.
- King, Percival E., and G. J. Wittmann, Newburgh, N. Y. Vehicle-tire. No. 1,220,516; Mar. 27; v. 236; p. 1021.
- King, Ross L. (See Capocéfalo and King.)
- King, Roswell B., Pensacola, Fla. Reel-brake for fishing-rods. No. 1,227,273; May 22; v. 238; p. 1211.
- King, Roy D., Chicago, Ill., assignor to American Sales Company, Monroe, La. Baggage-truck. No. 1,236,847; Aug. 14; v. 241; p. 458.
- King, Solomon and J., Tazewell county, Ill. Valve structure for steam-engines. No. 1,212,959; Jan. 16; v. 234; p. 958.
- King, Thomas E., Frances, Wash. Gun-sight. No. 1,238,687; Aug. 28; v. 241; p. 1116.
- King, Walter G., New York, N. Y. Goggles. No. 1,220,755; Mar. 27; v. 236; p. 1103.
- King & Wotherspoon. (See Ebeling, Frederick W., assignor.)
- King, William A., La Conner, assignor of one-half to W. Clemons, Skagit county, Wash. Motion-picture machine. No. 1,224,304; May 1; v. 238; p. 68.
- King, William A., Pierre, S. D. Seed-corn drier. No. 1,236,318; Aug. 7; v. 241; p. 252.
- King, Willard E., Topeka, Kans. Pneumatic tire. No. 1,214,321; Jan. 30; v. 234; p. 1493.
- King, William F., Clinton, and J. S. Whitlock, Laurens, assignors of three-fourths to Clinton Cam Company, Clinton, S. C. Bobbin-stand for loom-magazines. No. 1,210,489; Jan. 2; v. 234; p. 39.
- King, William R. (See Ashbaugh and King.)
- King, William R., Dorsey, assignor of one-half to R. D. McKrey, Murphy, N. C. Rerailer. No. 1,251,242; Dec. 25; v. 245; p. 942.
- Kingham, Fredrick A., Eagle Grove, Iowa. Horseshoe. No. 1,229,973; June 12; v. 239; p. 585.
- Kingsbury, Albert, Pittsburgh, Pa. Thrust-bearing. No. 1,229,291; June 12; v. 239; p. 358.
- Kingsbury, Albert, Pittsburgh, Pa. Oil purifier and pump. No. 1,242,560; Oct. 9; v. 243; p. 387.
- Kingsbury, Albert, Pittsburgh, Pa. Horizontal-thrust bearing. No. 1,242,948; Oct. 16; v. 243; p. 546.
- Kingsbury, Albert, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Gear-cutting machine. No. 1,250,320; Dec. 18; v. 245; p. 619.

- Kingsbury, Elmer J., Chicago, Ill. Display-signal. No. 1,245,467; Nov. 6; v. 244; p. 97.
- Kingston, Frank L., Cleveland, Ohio. Valve-spring-compensating means. No. 1,248,672; Dec. 4; v. 245; p. 72.
- Kingsbury, George P., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical Machine. No. 1,231,912; July 3; v. 240; p. 126.
- Kingsbury, Harry T., Keene, N. H. Toy dump-wagon. No. 1,224,935; May 8; v. 238; p. 340.
- Kingsbury, Harry T., Keene, N. H. Spring-motor for mechanical toys. No. 1,229,974; June 12; v. 239; p. 585.
- Kingsbury, Harry T., Keene, N. H. Toy ladder-truck. No. 1,229,975; June 12; v. 239; p. 585.
- Kingsbury, Harry T., Keene, N. H. Frame construction for toy vehicles. No. 1,234,479; July 24; v. 240; p. 1069.
- Kingsbury, Henry B. (See Clement, Cecil C., assignor.)
- Kingsbury, Jacob S., assignor to Kingsbury-Leahy Company, Albany, N. Y. Traction device for vehicle-wheels. No. 1,211,453; Jan. 9; v. 234; p. 493.
- Kingsbury-Leahy Company. (See Kingsbury, Jacob S., assignor.)
- Kingsland, John C., Arlington, N. J. Truss. No. 1,240,732; Sept. 18; v. 242; p. 700.
- Kingsley, George, Nutley, N. J. Water-tube boiler. No. 1,236,574; Aug. 14; v. 241; p. 368.
- Kinion, Archie A., Sand Springs, Okla. Collar fastening. No. 1,240,857; Sept. 25; v. 242; p. 773.
- Kinion, Archie A., Sand Springs, Okla. Collar-holder. No. 1,242,451; Oct. 9; v. 243; p. 352.
- Kinkead, Robert S., assignor to W. B. Ewing, Minneapolis, Minn. Variable transmission mechanism for tractors. No. 1,231,031; June 26; v. 239; p. 1014.
- Kinkead, Robert S., and P. B. Ford, assignors to W. B. Ewing, Minneapolis, Minn. Tractor. No. 1,243,184; Oct. 16; v. 243; p. 619.
- Kinkel, Gustavus A., Buffalo, N. Y. Combination-kettle. No. 1,238,688; Aug. 28; v. 241; p. 1117.
- Kinkelaar, August E., Cleveland, Ohio. Article-holder. No. 1,214,795; Feb. 6; v. 235; p. 108.
- Kinnaman, Noel, Chicago, Ill. Practice-keyboard for key-operated machines. No. 1,220,428; Mar. 27; v. 236; p. 991.
- Kinnard, Charles E., Cochran Mills, Pa. Automatic safety device and danger-zone signal. No. 1,246,434; Nov. 13; v. 244; p. 417.
- Kinnard, Luella S., Chicago, Ill. Rug. No. 1,213,656; Jan. 23; v. 234; p. 1233.
- Kinnard, Luella S., Chicago, Ill. Toilet-box. No. 1,224,552; May 1; v. 238; p. 157.
- Kinnard, Robert M., Sebring, Ohio. Stove-room for potteries. No. 1,249,772; Dec. 11; v. 245; p. 419.
- Kinne, Tempel L., assignor to The Murray Company, Dallas, Tex. Boll breaker and cleaner. No. 1,231,171; June 26; v. 239; p. 1062.
- Kinnear Manufacturing Company, The. (See McCloud, Edward H., assignor.)
- Kinnear Manufacturing Company, The. (See Rosenberg, Ralph H., assignor.)
- Kinnebrew, Lee, *et al.* (See Bradley, Richard C., assignor.)
- Kinney, Alpheus A., Nowata, Okla. Street-car. No. 1,238,021; Aug. 21; v. 241; p. 869.
- Kinney, Frank B., assignor of one-half to J. M. Smith, Syracuse, N. Y. Ice-shaver. No. 1,233,673; July 17; v. 240; p. 773.
- Kinney, Frank B., Syracuse, assignor of one-half to E. J. Bushnell, Solvay, N. Y. Depth-gage. No. 1,248,340; Nov. 27; v. 244; p. 1035.
- Kinney, Frank E., Jericho, Vt. Device for use in crocheting and other work. No. 1,214,172; Jan. 30; v. 234; p. 1439.
- Kinney, Frederick A., Philadelphia, Pa. Safety-pin. No. 1,225,823; May 15; v. 238; p. 684.
- Kinney, Justus R., Allston, assignor to The Kinney Manufacturing Company, Boston, Mass. Road-oiler. No. 1,220,344; Mar. 27; v. 236; p. 962.
- Kinney, Justus R., Allston, assignor to The Kinney Manufacturing Company, Boston, Mass. Valve. No. 1,234,181; July 24; v. 240; p. 971.
- Kinney, Justus R., Dorchester, assignor to The Kinney Manufacturing Company, Boston, Mass. Road-oiler. No. 1,234,910; July 31; v. 240; p. 1237.
- Kinney, Lloyd H., Scranton, Pa. Device for repairing car-wheels. No. 1,235,487; July 31; v. 240; p. 1410.
- Kinney, Lloyd H., Scranton, Pa. Rail-joint. No. 1,249,116; Dec. 4; v. 245; p. 198.
- Kinney Manufacturing Company, The. (See Kinney, Justus R., assignor.)
- Kinosian, Harry J., Worcester, Mass. Attachment for planers. No. 1,211,174; Jan. 2; v. 234; p. 273.
- Kinsbruner, Leopold, New York, N. Y. Vehicle. No. 1,246,435; Nov. 13; v. 244; p. 417.
- Kinsella, Sara, Bridgeport, Conn. Straight-back corset. No. 1,216,326; Feb. 20; v. 235; p. 738.
- Kinsey, George, Cincinnati, Ohio. Angling-clip. No. 1,250,189; Dec. 18; v. 245; p. 580.
- Kinsey, Martin L., Dos Palos, Cal. Cork-extractor. No. 1,225,037; May 8; v. 238; p. 375.
- Kinsfather, George C., Livingston, Mont. Clamping device. No. 1,229,093; June 5; v. 239; p. 241.
- Kinsler, George B., assignor of one-half to J. M. Johnson, Hartford, Conn. Belt-fastener. No. 1,249,419; Dec. 11; v. 245; p. 316.
- Kinsley, Albert E., assignor to Triumph Trap Co. Inc., Oneida, N. Y. Game-trap. No. 1,238,525; Aug. 28; v. 241; p. 1068.
- Kinsley, Albert E., assignor to Oneida Game Trap Co. Inc., Oneida, N. Y. Collapsible animal-trap. No. 1,246,112; Nov. 13; v. 244; p. 320.
- Kinsley, Carl, Chicago, Ill. Telegraphy. No. 1,249,773; Dec. 11; v. 245; p. 420.
- Kinsley, Richard F., East Cleveland, J. D. Morron, Lakewood, and C. R. Haynes, Cleveland, Ohio, assignors to Mechanical Rubber Company. Recovering rubber waste. No. 1,215,941; Feb. 13; v. 235; p. 550.
- Kinsley, Lewis, Philadelphia, Pa., assignor to Hope Machine Company. Piston packing-ring. No. 1,224,751; May 1; v. 238; p. 226.
- Kinsley, William S. (See Palmer and Kinsley.)
- Kinsley, William S., Reading, assignor to The Russell Company, Boston, Mass. Machine for coating sheet material. No. 1,235,326; July 31; v. 240; p. 1364.
- Kinsley, William S., Reading, assignor to The Russell Company, Boston, Mass. Machine for introducing knickers into fabrics. No. 1,235,327; July 31; v. 240; p. 1364.
- Kinsley, William S., Reading, assignor to The Russell Company, Boston, Mass. Feeder for fibrous materials. No. 1,235,328; July 31; v. 240; p. 1364.
- Kinsolving, Walter A., Washington, D. C. Tire-tool. No. 1,217,777; Feb. 27; v. 235; p. 1285.
- Kinstler, Jerome, *et al.* (See De Mesquita, Jacques L., assignor.)
- Kintner, Charles J., New York, N. Y. Railway signaling. No. 1,239,699; Sept. 11; v. 242; p. 342.
- Kintner, Samuel M., *et al.*, receivers. (See Kroger, Fred H., assignor.)
- Kintner, Samuel M., Pittsburgh, Pa. Apparatus for coding and decoding. No. 1,210,656; Jan. 2; v. 234; p. 97.
- Kinz, Emil B., Oak Park, and E. C. Wescott, Sacramento, assignors to Pacific Gas and Electric Company, San Francisco, Cal. Revivifying and utilizing spent oxid. No. 1,211,713; Jan. 9; v. 234; p. 490.
- Kinzel, Edward, Albany, N. Y. Implement. No. 1,211,175; Jan. 2; v. 234; p. 273.
- Kinzel, Henry J., Knoxville, Tenn. Combined cutter and cultivator. No. 1,244,746; Oct. 30; v. 243; p. 1165.
- Kinzer, John J., Wildwood, assignor to Pittsburg Brake Shoe Company, Pittsburgh, Pa. Brake-shoe. No. 1,219,462; Mar. 20; v. 236; p. 614.
- Kinzer, John J., Wildwood, assignor to Pittsburg Brake Shoe Company, Pittsburgh, Pa. Brake-shoe. No. 1,219,463; Mar. 20; v. 236; p. 614.
- Kinzer, John J., Wildwood, assignor to Pittsburg Brake Shoe Company, Pittsburgh, Pa. Brake-shoe. No. 1,219,464; Mar. 20; v. 236; p. 614.
- Kinzer, John J., Wildwood, assignor to Pittsburg Brake Shoe Company, Pittsburgh, Pa. Brake-shoe. No. 1,219,465; Mar. 20; v. 236; p. 615.
- Kinzer, John J., Wildwood, assignor to Pittsburg Brake Shoe Company, Pittsburgh, Pa. Brake-shoe. No. 1,219,824; Mar. 20; v. 236; p. 740.
- Kinzie, Phillip A. (See Evans, Francis D., assignor.)
- Kinzig, Louis D., Dayton, Ohio, assignor to Optenber Iron Works, Sheboygan, Wis. Apparatus for softening water. No. 1,220,429; Mar. 27; v. 236; p. 991.
- Kip, Frederic E. (See Stoddard, William O., Jr., assignor.)
- Kipniss, Abraham, and M. P. Neumann, New York, N. Y. Machine for making bobbins for electric batteries. No. 1,211,176; Jan. 2; v. 234; p. 274.
- Kipniss, Abraham, and M. P. Neumann, assignors to B. Markowitz, New York, N. Y. Machine for making metal binding for suitcases. No. 1,244,985; Oct. 30; v. 243; p. 1237.
- Kippe, Otto, Osnabrück, Germany. Compressing fine ores and the like substances into blocks or briquets. No. 1,238,022; Aug. 21; v. 241; p. 869.
- Kipper, Herman B., Solvay, N. Y. Making caustic soda. No. 1,227,453; May 22; v. 238; p. 1268.
- Kipper, Herman B., Muskegon, Mich. Producing fused ferric sulfate and sodium sulfate. No. 1,250,471; Dec. 18; v. 245; p. 664.
- Kippes, Henry W., Brooklyn, N. Y. Rowlock. No. 1,225,824; May 15; v. 238; p. 684.
- Kiral, Luke, New York, N. Y. Can-opener. No. 1,221,745; Apr. 3; v. 237; p. 257.
- Kiraly, John. (See Virovatz, Joseph, assignor.)
- Kirbach, Robert, and V. Uber, Linden, N. J. Carbureter. No. 1,211,714; Jan. 9; v. 234; p. 490.
- Kirby, Charles H., assignor to Detroit Lubricator Company, Detroit, Mich. Carbureter. No. 1,213,209; Jan. 23; v. 234; p. 1079.
- Kirby, Dennis F., Waterloo, Iowa. Bar-bending machine. No. 1,250,896; Dec. 18; v. 245; p. 791.
- Kirby, Francis L., assignor of one-third to H. L. Taylor, Globe, and one-third to T. T. Swift, Safford, Ariz. Sifter. No. 1,245,595; Nov. 6; v. 244; p. 138.
- Kirby, James B., Cleveland, Ohio. Suction-cleaner. No. 1,214,796; Feb. 6; v. 235; p. 108.
- Kirby, James B., Cleveland, Ohio. Vacuum cleaning-machine. No. 1,236,944; Aug. 14; v. 241; p. 489.

Alphabetical list of patentees—Continued.

- Kirby, John, Pittsburgh, Pa. Welding a protective covering of copper to an iron or steel body. No. 1,211,715; Jan. 9; v. 234; p. 490.
- Kirby, John, assignor of one-fourth to O. Kirby, Leechburg, Pa., one-fourth to J. B. Sommerville, Wheeling, W. Va., and one-fourth to S. M. Boyd, Pittsburgh, Pa. Smelting-furnace. No. 1,222,636; Apr. 17; v. 237; p. 647.
- Kirby, John, New York, N. Y. Electric revolution-meter for internal-combustion engines. No. 1,241,993; Oct. 2; v. 243; p. 167.
- Kirby, John, New York, N. Y. Engine-revolution indicator. No. 1,241,994; Oct. 2; v. 243; p. 167.
- Kirby, John, Jr., assignor to The Dayton Manufacturing Company, Dayton, Ohio. Antirattling device. No. 1,211,860; Jan. 9; v. 234; p. 544.
- Kirby, John B., Whitman, Mass. Fly-trap. No. 1,235,574; Aug. 7; v. 241; p. 15.
- Kirby, Owen, *et al.* (See Kirby, John, assignor.)
- Kirby, Thomas L., Hartsville, Tenn. Engine attachment. No. 1,214,322; Jan. 30; v. 234; p. 1494.
- Kirby, Wallace W., Washington, D. C., assignor, by mesne assignments, to The Rapid Process Lithograph Company, Inc. Forming printing-plates. No. 1,219,332; Mar. 13; v. 236; p. 538.
- Kirchhofer, August, assignor of one-half to T. A. Clarkson, Nashville, Tenn. Pulverized-coal-burning means for locomotives. No. 1,239,918; Sept. 11; v. 242; p. 412.
- Kirchhoff, William G., assignor to American Bakers Machinery Company, St. Louis, Mo. Dough-divider. No. 1,217,778; Feb. 27; v. 235; p. 1286.
- Kirchhoff, Richard J., Dedichen, and W. Lange, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Ortho-oxo-monoazo-dyes. No. 1,219,954; Mar. 20; v. 236; p. 786.
- Kirchner, Charles W., Denver, Colo. Glare-arrester attachment for hats or caps. No. 1,232,812; July 10; v. 240; p. 456.
- Kirfman, John S., Des Moines, Iowa. Tree-protecting device. No. 1,235,520; July 31; v. 240; p. 1422.
- Kirk, Bernard T. (See Phelps, Kirk, and Comstock.)
- Kirk, C. J., *et al.* (See Bernheim, Ernest, assignor.)
- Kirk, Clarence L. (See Glazier, Peter F., assignor.)
- Kirk, Edward R. (See Griffin and Kirk.)
- Kirk, Frank M., *et al.* (See Prigan, Ernest W., assignor.)
- Kirk, Henry C., Roland Park, Md. Making Venturi tubes. No. 1,245,596; Nov. 6; v. 244; p. 138.
- Kirk, Henry C., Jr., Roland Park, and G. H. Dumler, Baltimore, Md. Manufacturing metal articles by deposit. No. 1,219,466; Mar. 20; v. 236; p. 615.
- Kirk, Jason E., Christiansburg, Va., assignor to Triangle Kirk, Louis H., assignor to Peg Lock Block Company, Inc., New York, N. Y. Toy wagon. No. 1,244,506; Oct. 30; v. 243; p. 1091.
- Kirk, Richard, Logan, W. Va. Spring-support. No. 1,232,934; July 10; v. 240; p. 497.
- Ventilation Corporation. Ventilating apparatus. No. 1,228,931; June 5; v. 239; p. 188.
- Kirk, Rufus, *et al.* (See Schlundt, Christian H., assignor.)
- Kirk, Walter L., assignor to Lyon & Healy, Chicago, Ill. Tuning-pin for harps and the like. No. 1,220,430; Mar. 27; v. 236; p. 992.
- Kirkaldie, James B. (See Lane, Hendry, and Kirkaldie.)
- Kirky, Jacques J., Clymer, N. Y. Can-straightening machine. No. 1,229,292; June 12; v. 239; p. 358.
- Kirkeby, Victor A., Shakopee, Minn. Combined match box and igniter. No. 1,235,488; July 31; v. 240; p. 1411.
- Kirkham, Charles B., Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Aerial-propeller fastening. No. 1,246,023; Nov. 6; v. 244; p. 262.
- Kirkham, Ralph E. (See Graham and Kirkham.)
- Kirkland, William A., Cedar Falls, Iowa. Cut-out switch for series loops. No. 1,223,987; Apr. 24; v. 237; p. 1145.
- Kirkland, William L., Birmingham, Ala. Key-ring holder. No. 1,215,283; Feb. 6; v. 235; p. 279.
- Kirkling, Wesley P. (See Peacock, James V. L., assignor.)
- Kirkman, Thomas W., New York, N. Y. Electrical fuse. No. 1,236,448; Aug. 14; v. 241; p. 326.
- Kirkman, Thomas W., New York, N. Y. Governor for spring-motors. No. 1,236,449; Aug. 14; v. 241; p. 327.
- Kirkman, William T., Jr. (See Tanner, Emmett, assignor.)
- Kirkpatrick, James M., Files Valley, and G. C. Tirey, Maypearl, Tex. Shovel-fastening for cultivators. No. 1,250,472; Dec. 18; v. 245; p. 665.
- Kirkpatrick, Otey R., assignor of one-half to J. M. Smith, Mineral Wells, Tex. Permutation-lock. No. 1,246,610; Nov. 13; v. 244; p. 471.
- Kirkpatrick, Raymond L., and A. Molthen, Chicago, Ill. Mortuary board. No. 1,237,055; Aug. 14; v. 241; p. 526.
- Kirkpatrick, William J., and G. W. Farley, assignors of one-third to I. Mullen, Eureka, Cal. Newspaper supplementing or inserting machine. No. 1,223,398; Apr. 24; v. 237; p. 938.
- Kirkpatrick, Willis B., assignor to Independent Ice Company of Baltimore City, Baltimore, Md. Apparatus for manufacturing ice. No. 1,221,746; Apr. 3; v. 237; p. 258.
- Kirkpatrick, Willis B., assignor to Independent Ice Company of Baltimore City, Baltimore, Md. Agitating water in making ice. (Reissue.) No. 14,321; June 26; v. 239; p. 1185.
- Kirkpatrick, Willis B., Hartsdale, N. Y., assignor to Independent Ice Company of Baltimore City, Baltimore, Md. Agitating water in making ice. (Reissue.) No. 14,390; Nov. 6; v. 244; p. 266.
- Kirkwood, Ramey, Abbeville, S. C. Liquid-gage. No. 1,224,752; May 1; v. 238; p. 227.
- Kirsch, Charles W., Sturgis, Mich. Portière-hanger. No. 1,239,919; Sept. 11; v. 242; p. 412.
- Kirsch, Charles W., Sturgis, Mich. Shade-roller. No. 1,240,579; Sept. 18; v. 242; p. 652.
- Kirsch, Charles W., Sturgis, Mich. Shade-roller. No. 1,242,949; Oct. 16; v. 243; p. 546.
- Kirsch, Charles W., assignor to Kirsch Manufacturing Co., Sturgis, Mich. Curtain-rod. No. 1,210,947; Jan. 2; v. 234; p. 197.
- Kirsch, Charles W., assignor to Kirsch Manufacturing Co., Sturgis, Mich. Curtain-rod. No. 1,240,582; Sept. 18; v. 242; p. 653.
- Kirsch, Charles W., assignor to Kirsch Manufacturing Co., Sturgis, Mich. Curtain-rod. No. 1,245,354; Nov. 6; v. 244; p. 63.
- Kirsch, Charles W., assignor to Kirsch Manufacturing Co., Sturgis, Mich. Curtain-rod. No. 1,250,190; Dec. 18; v. 245; p. 580.
- Kirsch, Charles W., and J. A. Henry, assignors to Kirsch Manufacturing Co., Sturgis, Mich. Shade-roller. No. 1,240,580; Sept. 18; v. 242; p. 653.
- Kirsch, Charles W., and H. J. Lahmeyer, Sturgis, Mich. Panel-curtain frame. No. 1,240,581; Sept. 18; v. 242; p. 653.
- Kirsch, Frank J. (See Debbeler and Kirsch.)
- Kirsch, Jacob, Banner, Okla. Control device for spring-motors. No. 1,228,326; May 29; v. 238; p. 1590.
- Kirsch, Louis, Polar, Wis. Gate-latch. No. 1,233,674; July 17; v. 240; p. 773.
- Kirsch Manufacturing Co. (See Kirsch, Charles W., assignor.)
- Kirsch Manufacturing Co. (See Kirsch and Henry, assignors.)
- Kirsten, Friedrich K. J., Seattle, Wash. Stump-pulling process. No. 1,250,897; Dec. 18; v. 245; p. 791.
- Kirstin, Alfred J. (See Moe and Kirstin.)
- Kirstin, Alfred J., assignor to A. J. Kirstin Company, Escanaba, Mich. Slack-take-up mechanism. No. 1,210,657; Jan. 2; v. 234; p. 98.
- Kiser, Frank H., Columbus, Ohio. Carriage-top. No. 1,225,038; May 8; v. 238; p. 376.
- Kish, Julius, Cleveland, Ohio. Safety door-lock. No. 1,243,952; Oct. 23; v. 243; p. 887.
- Kishi, Kazuta, Tokyo, Japan. Producing artificial silk. No. 1,231,172; June 26; v. 239; p. 1062.
- Kislovitz, Samuel, New York, N. Y., assignor to C. A. Blades, Arlington, N. J. Paper box. No. 1,213,135; Jan. 16; v. 234; p. 1018.
- Kiso, Henry K., New York, N. Y. Coating composition and making the same. No. 1,236,183; Aug. 7; v. 241; p. 210.
- Kiso, Henry K., New York, N. Y. Letter-file. No. 1,240,058; Sept. 11; v. 242; p. 451.
- Kiss, Andre, Cincinnati, Ohio. Adjustable plate-holder attachment for cameras. No. 1,225,039; May 8; v. 238; p. 376.
- Kiss, Andre, assignor of one-half to M. Rusz, Cincinnati, Ohio. Camera. No. 1,218,273; Mar. 6; v. 236; p. 186.
- Kiss, James. (See Bachardy and Kiss.)
- Kissane, John F. and T. J., Detroit, Mich.; said John F. Kissane assignor to said T. J. Kissane. Elevator attachment for vehicles. No. 231,380; June 26; v. 239; p. 1131.
- Kissane, Thomas J. (See Kissane, John F. and T. J.)
- Kissel Motor Car Company. (See Tarkington, Joseph A., assignor.)
- Kissinger, Clarence L., assignor of one-half to F. A. De Witt, Pierson, Iowa. Clevis. No. 1,210,814; Jan. 2; v. 234; p. 150.
- Kissinger, Robert C., Dayton, Ohio. Trolley. No. 1,247,968; Nov. 27; v. 244; p. 932.
- Kissock, Alan, Tucson, Ariz. Separating lead and molybdenum from mineral wulfenite. No. 1,218,412; Mar. 6; v. 236; p. 182.
- Kistner, George, Naples, N. Y. Basket-handling machine. No. 1,243,185; Oct. 16; v. 243; p. 620.
- Kitak, Joseph, Seattle, Wash. Antiskid device for automobiles. No. 1,238,301; Aug. 28; v. 241; p. 996.
- Kitooka, Toraki, Pasadena, Cal. Signal apparatus for automobiles. No. 1,215,661; Feb. 13; v. 235; p. 451.
- Kitch, Joseph B., Cedaredge, Colo. Box assembling and nailing machine. No. 1,244,986; Oct. 30; v. 243; p. 1237.
- Kitchel, Earnest M., Doty, Wash. Spark-arrester. No. 1,237,791; Aug. 21; v. 241; p. 797.
- Kitchen, Frederick T., West New Brighton, assignor to Gold Car Heating & Lighting Company, New York, N. Y. Controller for heating systems. No. 1,214,323; Jan. 30; v. 234; p. 1494.
- Kitchen, John E. (See Babcock, Elisha W., assignor.)
- Kitchen, John F., Erie, Pa. Gun-cleaner attachment. No. 1,237,056; Aug. 14; v. 241; p. 526.

- Kitchen, John F., assignor to The Spirella Company, Meadville, Pa. Garment-stay. No. 1,212,960; Jan. 16; v. 234; p. 958.
- Kitchen, John F., assignor to The Spirella Company, Meadville, Pa. Garment-stay. No. 1,212,961; Jan. 16; v. 234; p. 959.
- Kitchen, Joseph M. W., East Orange, N. J. Bottle-closure. No. 1,224,649; May 1; v. 238; p. 190.
- Kitchen, Joseph M. W., East Orange, N. J. Toilet-paper. No. 1,224,650; May 1; v. 238; p. 190.
- Kitchen, Joseph M. W., East Orange, N. J. Centering-director for record-disks. No. 1,226,674; May 22; v. 238; p. 1007.
- Kitchen, Joseph M. W., East Orange, N. J. Food composition. No. 1,230,091; June 12; v. 239; p. 623.
- Kitching, David C., Valley Mills, Tex. Automobile-head-light-lamp mounting. No. 1,224,470; May 1; v. 238; p. 128.
- Kite, Charles F., and M. H. Skelt, London, England. Rotary pump and fan for water and air and other fluids. No. 1,231,381; June 26; v. 239; p. 1131.
- Kitsee, Isidor, assignor to Dye Products Company of the United States, Philadelphia, Pa. Purifying logwood dyes. No. 1,210,948; Jan. 2; v. 234; p. 197.
- Kitsee, Isidor, Philadelphia, Pa. Color-carrier for color photography. No. 1,221,457; Apr. 3; v. 237; p. 160.
- Kitsee, Isidor, Philadelphia, Pa., assignor to The Coit-Kitsee Co. Synchronous phonograph and kinetograph. No. 1,213,883; Jan. 30; v. 234; p. 1341.
- Kitsee, Isidor, Philadelphia, Pa., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y. Quadruplex telegraphy. No. 1,218,274; Mar. 6; v. 236; p. 136.
- Kitsee, Isidor, Philadelphia, Pa., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y. Quadruplex telegraphy. No. 1,218,413; Mar. 6; v. 236; p. 182.
- Kitsee, Isidor, Philadelphia, Pa., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y. Duplexing telegraphic lines. No. 1,218,870; Mar. 13; v. 236; p. 383.
- Kitsee, Isidor, Philadelphia, Pa., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y. Method of and means for quadruplexing cables. No. 1,219,110; Mar. 13; v. 236; p. 463.
- Kitsee, Isidor, Philadelphia, Pa., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y. Quadruplex telegraphy. No. 1,219,561; Mar. 20; v. 236; p. 650.
- Kitsee, Isidor, Philadelphia, Pa., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y. Quadruplex telegraphy. No. 1,219,955; Mar. 20; v. 236; p. 786.
- Kitsee, Isidor, Philadelphia, Pa., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y. Quadruplex telegraphy. No. 1,220,238; Mar. 27; v. 236; p. 922.
- Kitsee, Isidor, Philadelphia, Pa., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y. Quadruplex telegraphy. No. 1,220,756; Mar. 27; v. 236; p. 1103.
- Kitsee, Isidor, Philadelphia, Pa., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y. Quadruplex telegraphy. No. 1,221,188; Apr. 3; v. 237; p. 66.
- Kitsee, Isidor, Philadelphia, Pa., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y. Telegraphy. No. 1,221,547; Apr. 3; v. 237; p. 192.
- Kitsee, Isidor, Philadelphia, Pa., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y. Telegraphy. No. 1,221,870; Apr. 10; v. 237; p. 334.
- Kitsee, Isidor, Philadelphia, Pa., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y. Quadruplex telegraphy. No. 1,222,303; Apr. 10; v. 237; p. 486.
- Kitsee, Isidor, Philadelphia, Pa., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y. Telegraphic receiving organism. No. 1,222,771; Apr. 17; v. 237; p. 693.
- Kitsee, Isidor, Philadelphia, Pa., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y. Telegraphy. No. 1,236,575; Aug. 14; v. 241; p. 368.
- Kitsee, Isidor, Philadelphia, Pa., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y. Telegraphic transmission. No. 1,236,576; Aug. 14; v. 241; p. 369.
- Kitsee, Isidor, Philadelphia, Pa., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y. Telegraphy. No. 1,247,120; Nov. 20; v. 244; p. 654.
- Kitt, William C., Cincinnati, Ohio. Egg-carrying package. No. 1,221,804; Apr. 3; v. 237; p. 278.
- Kittel, August J., Torrington, Conn. Attachment for pianos. No. 1,219,747; Mar. 20; v. 236; p. 712.
- Kitterman, E. J., et al. (See Pittaluga, Stefano, assignor.)
- Kitterman, George W., Muskegon Heights, Mich. Vehicle-wheels. No. 1,246,756; Nov. 13; v. 244; p. 512.
- Kitterman, Samuel C. (See Maberry and Kitterman.)
- Kittle, Caroline, North Bergen, N. J. Registry-return-receipt envelop. No. 1,221,189; Apr. 3; v. 237; p. 67.
- Kittle, Gilbert R., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Hollow-cast ball. No. 1,215,662; Feb. 13; v. 235; p. 451.
- Kittle, Gilbert R., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Casting hollow balls. No. 1,247,545; Nov. 20; v. 244; p. 775.
- Kittle, John A., St. Louis, Mo. Automobile-stabilizer. No. 1,210,490; Jan. 2; v. 234; p. 39.
- Kitton, John C., Chicago, Ill. Heat-absorbing device. No. 1,246,279; Nov. 13; v. 244; p. 370.
- Kitton, John C., Chicago, Ill. Refrigeratory apparatus. No. 1,250,898; Dec. 18; v. 245; p. 791.
- Kittredge, Harold S., assignor of one-half to H. A. Anderson, Chicago, Ill., and one-half to F. D. A. Hunter, Fort Wayne, Ind. Signal-lamp. No. 1,240,458; Sept. 18; v. 242; p. 617.
- Kitts Steam Specialty Co. (See Kitts, Willard A., Sr., assignor.)
- Kitts, Willard A., Jr., Mountain Lakes, N. J. Safety water-glass fitting. No. 1,250,321; Dec. 18; v. 245; p. 619.
- Kitts, Willard A., Sr., assignor to Kitts Steam Specialty Co. Inc., Oswego, N. Y. Liquid-level indicator for steam-boilers. No. 1,223,799; Apr. 24; v. 237; p. 1082.
- Kitzeman, George G., Des Moines, Iowa. Pocket billiard-rack and operating mechanism therefor. No. 1,246,436; Nov. 13; v. 244; p. 418.
- Kjeldaa, Oscar, Christiania, Norway. Stud-and-socket fastening for garments. No. 1,223,181; Apr. 17; v. 237; p. 835.
- Kjellgren, John G., Cleveland, Ohio. Traction-meter. (Reissue.) No. 14,381; Oct. 23; v. 243; p. 1038.
- Kladiva, Alois, Kenosha, Wis. Thermostatic regulator for incubators. No. 1,228,568; June 5; v. 239; p. 66.
- Klaeger, Hermann, assignor to Fortuna-Werke, Spezialmaschinenfabrik, Gesellschaft Mit Beschränkter Haftung, Cannstatt-Stuttgart, Germany. Working enameled leather and the like with skiving or splitting machines. No. 1,214,173; Jan. 30; v. 234; p. 1439.
- Klaes, John, Denver, Colo. Ticket-punch. No. 1,217,870; Feb. 27; v. 235; p. 1316.
- Klages, Edward A., Crafton, Pa. Combination clock and home savings-bank. No. 1,216,138; Feb. 13; v. 235; p. 622.
- Klages, Reynold E. (See Sexton and Klages.)
- Klahn, Emil. (See Needham, Cook, and Klahn.)
- Klahn, Emil, Hoboken, N. J. Ball-bearing roller. No. 1,212,503; Jan. 16; v. 234; p. 798.
- Klahn, Emil, Weehawken, N. J. Ball-bearing roller. No. 1,218,275; Mar. 6; v. 236; p. 137.
- Klahn, Emil, Morris Plains, N. J. Non-magnetic compass. No. 1,250,592; Dec. 18; v. 245; p. 702.
- Klahre, Gustav, Chicago, Ill. Water system. No. 1,217,958; Mar. 6; v. 236; p. 25.
- Klais, Michael, Central City, Colo. Paper-hanger's prop. No. 1,229,976; June 12; v. 239; p. 586.
- Klansnic, Joseph, Black Diamond, Wash. Safety-stop for mine-cars. No. 1,219,748; Mar. 20; v. 236; p. 713.
- Klaput, Franciszek, Woodlawn, Pa. Breech-loading ordinance. No. 1,217,959; Mar. 6; v. 236; p. 25.
- Klask, Hermann, Batesburg, S. C. Lock. No. 1,211,177; Jan. 2; v. 234; p. 274.
- Klasnich, John, Universal, Ind. Door-spring. No. 1,224,753; May 1; v. 238; p. 227.
- Klass, Fanny, San Francisco, Cal. Combination front and back reducer. No. 1,218,414; Mar. 6; v. 236; p. 183.
- Klatte, Fritz, and A. Rollett, Schwanheim-on-the-Main, assignors to Chemische Fabrik Greishelm-Elektron, Frankfurt-on-the-Main, Germany. Plastic composition and producing it. No. 1,241,788; Oct. 2; v. 243; p. 87.
- Klauber, Laurence M., and R. C. Cavell; said Cavell assignor to San Diego Consolidated Gas and Electric Co., San Diego, Cal. Current-distributing apparatus. No. 1,213,211; Jan. 23; v. 234; p. 1079.
- Klauber, Charles, New York, N. Y. Bottle-holder. No. 1,239,109; Sept. 4; v. 242; p. 125.
- Klauder-Weldon Dyeing Machine Company. (See Higgs, Henry, assignor.)
- Klaus, Nicholas, and E. W. Rookhart, Breda, Iowa. Skirt-band fastening. No. 1,227,274; May 22; v. 238; p. 1212.
- Klausing, Frank W. T., Lakewood, and W. C. Tackaberry, Cleveland, Ohio. Toggle-locking follower-holder. No. 1,240,223; Sept. 18; v. 242; p. 543.
- Klay, Abraham B., Modesto, Cal. Ware-kiln. No. 1,226,535; May 15; v. 238; p. 923.
- Klay, Abraham B., Modesto, Cal. Dairy-barn. No. 1,230,305; June 19; v. 239; p. 732.
- Klay, Abraham B., Modesto, Cal. Ware-truck. No. 1,230,306; June 19; v. 239; p. 733.
- Klear, Ralph D. (See Eger and Klear.)
- Kleckhefer Box Company. (See Simpson, Frost V., assignor.)
- Kleckler, Henry. (See Curtiss and Kleckler.)
- Kleckler, Henry. (See Tarbox and Kleckler.)
- Kleckler, Henry, Buffalo, N. Y., assignor to The Curtiss Motor Co. Aeroplane furniture. No. 1,246,024; Nov. 6; v. 244; p. 263.
- Kleckler, Henry, Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Dual interlocking control. No. 1,246,025; Nov. 6; v. 244; p. 263.

Alphabetical list of patentees—Continued.

- Kleckler, Henry, Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Tail-skid clip. No. 1,246,026; Nov. 6; v. 244; p. 263.
- Kleckler, Henry, Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Aeroplane-control surface. No. 1,246,027; Nov. 6; v. 244; p. 264.
- Kleckler, Henry, Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Aeroplane-wing hinge. No. 1,246,028; Nov. 6; v. 244; p. 264.
- Kleckner, Roy C., Indianapolis, Ind. Dental-floss holder. No. 1,217,779; Feb. 27; v. 235; p. 1286.
- Kleckner, William R., Cowell, Cal. Temperature-signal for stacks. No. 1,225,648; May 8; v. 238; p. 581.
- Kleckner, William R., Cowell, Cal. Bacteria and fungi exterminator. No. 1,227,454; May 22; v. 238; p. 1268.
- Kleckner, William R., Cowell, Cal. Device for applying substances to trees, shrubs, and vines. No. 1,240,733; Sept. 18; v. 242; p. 700.
- Kleidman, Joseph, assignor, by mesne assignments, to The Aheadoft Pictorial Co., New York, N. Y. Cinematographic apparatus. No. 1,236,319; Aug. 7; v. 241; p. 252.
- Klein, Adolph S., Cleveland, Ohio. Refrigerator. No. 1,216,576; Feb. 20; v. 235; p. 828.
- Klein, Charles J., Milwaukee, Wis. Circuit-controller. No. 1,222,215; Apr. 10; v. 237; p. 456.
- Klein, Charles J., Milwaukee, Wis. Lamp-socket casing or the like. No. 1,235,531; July 31; v. 240; p. 1426.
- Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,210,658; Jan. 2; v. 234; p. 98.
- Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,210,659; Jan. 2; v. 234; p. 99.
- Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,222,214; Apr. 10; v. 237; p. 455.
- Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,227,801; May 29; v. 238; p. 1416.
- Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Lamp-socket and the like. No. 1,228,026; May 29; v. 238; p. 1493.
- Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Casing for lamp-sockets or the like. No. 1,228,027; May 29; v. 238; p. 1493.
- Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Casing for lamp-sockets and the like. No. 1,228,028; May 29; v. 238; p. 1494.
- Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,240,459; Sept. 18; v. 242; p. 617.
- Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,247,690; Nov. 27; v. 244; p. 850.
- Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Lamp-socket. No. 1,248,135; Nov. 27; v. 244; p. 977.
- Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Pull-chain switch. No. 1,249,117; Dec. 4; v. 245; p. 198.
- Klein, Fred J., New York, N. Y. Paper-clip. No. 1,218,276; Mar. 6; v. 236; p. 137.
- Klein, Fred J., New York, N. Y. Note-book holder. No. 1,237,912; Aug. 21; v. 241; p. 834.
- Klein, Frederick, trustee. (See Wilkes, Clarence H., assignor.)
- Klein, Harry H., New York, N. Y. Collar-support. No. 1,248,341; Nov. 27; v. 244; p. 1035.
- Klein, Henry, New York, N. Y. Metal fastener. No. 1,237,344; Aug. 21; v. 241; p. 655.
- Klein, Henry, New York, N. Y. Steel partition and the like. No. 1,241,635; Oct. 2; v. 243; p. 54.
- Klein, Henry F., St. Anthony, N. D. Demountable rim. No. 1,239,606; Sept. 11; v. 242; p. 311.
- Klein, Jacob J., Kearney, Nebr. Road-drag. No. 1,230,723; June 19; v. 239; p. 870.
- Kline, James N., Washington, D. C. Vacuum nursing-bottle and nipple therefor. No. 1,221,335; Apr. 3; v. 237; p. 118.
- Kline, John. (See Harris, Mack H., assignor.)
- Kline, Martin K., Fort Edward, N. Y. Piano attachment. No. 1,237,057; Aug. 14; v. 241; p. 526.
- Kline, Oskar, assignor to J. Truchinsky, New York, N. Y. Permutation-lock. No. 1,241,636; Oct. 2; v. 243; p. 54.
- Kline, Rudolph, and T. Brueck, Rochester, N. Y. Photographic shutter. No. 1,215,284; Feb. 6; v. 235; p. 279.
- Kline, Stanley, and J. Luttman, Cincinnati, assignors to The Mendel-Drucker Company, Norwood, Ohio. Trunk-lock. No. 1,214,687; Feb. 6; v. 235; p. 72.
- Kline, Stanley, and J. Luttman, assignors to The Mendel-Drucker Company, Cincinnati, Ohio. Trunk-lock. No. 1,237,526; Aug. 21; v. 241; p. 713.
- Kline, William E., Tappan, N. Y. Automobile-headlight. No. 1,249,421; Dec. 11; v. 245; p. 317.
- Kleinberg, William, New York, N. Y. High-frequency therapeutical apparatus. No. 1,230,905; June 26; v. 239; p. 969.
- Kleine, Frank M., Duluth, Minn. Wire-clamp. No. 1,216,575; Feb. 20; v. 235; p. 828.
- Kleinert, Karl, assignor to Firm of Robert Bosch, Stuttgart, Germany. Projection-lamp. No. 1,232,046; July 3; v. 240; p. 173.
- Kleinert, Karl, assignor to Firm of R. Bosch, Stuttgart, Germany. Dimming-switch for projection-lamps. No. 1,238,155; Aug. 28; v. 241; p. 946.
- Kleinfeldt, Arthur, Hoboken, N. J. Pop-gun. No. 1,214,797; Feb. 6; v. 235; p. 108.
- Kleinfeldt, Arthur, assignor to H. L. Erny, Hoboken, N. J. Thermostatic attenuating device. No. 1,234,548; July 24; v. 240; p. 1090.
- Kleinman, Leo, New York, N. Y. Safety-cock. No. 1,238,023; Aug. 21; v. 241; p. 870.
- Kleinschmidt, Hans, Wilmersdorf, Germany, A. Halpern and E. Pospischil, Vienna, Austria-Hungary, assignors to Firm of Gas-Zünder Gesellschaft m. b. H., Berlin, Germany. Automatic lighter for gas-burners. No. 1,216,817; Feb. 20; v. 235; p. 909.
- Kleinschmidt, Henry F., A. Johnstown, Pa. Surface-grinder. No. 1,225,040; May 8; v. 238; p. 376.
- Kleinstück, Martin, Dresden, Germany. Artificially seasoning wood. No. 1,210,491; Jan. 2; v. 234; p. 39.
- Klemm, Emil R., Chicago, Ill. Braking device. No. 1,217,188; Feb. 27; v. 235; p. 1080.
- Klemm, Lewis K., Jr. (See Mott, James L., Jr., assignor.)
- Klemme, Al C., Lewistown, Mont. Automobile-hoist. No. 1,233,793; July 17; v. 240; p. 810.
- Klemme, Ernst F., Milwaukee, Wis. Ventilator for water-closets. No. 1,228,786; June 5; v. 239; p. 141.
- Klemme, Ernst F., Milwaukee, Wis. Ventilator. No. 1,236,184; Aug. 7; v. 241; p. 211.
- Klenk, Gottlieb, Defiance, Ohio, assignor to The Defiance Pressed Steel Company. Sheet-metal box. No. 1,240,224; Sept. 18; v. 242; p. 544.
- Klenk, John C., and J. J. Cronin, Chicago, Ill. Supporting device. No. 1,229,977; June 12; v. 239; p. 586.
- Klensch, Karl. (See Vögels and Klensch.)
- Kleppe, Herman J., Norway, Iowa. Self-cleaning curry-comb. No. 1,251,049; Dec. 25; v. 245; p. 886.
- Klepper, Charles, San Francisco, Cal. Hair-dressing frame. No. 1,237,792; Aug. 21; v. 241; p. 797.
- Klepsch, Ernst, Saginaw, Mich. Folding ax. No. 1,220,858; Mar. 27; v. 236; p. 1139.
- Kleven, Gustav O. J., Salt Lake City, Utah. Mechanical stoker. No. 1,247,969; Nov. 27; v. 244; p. 932.
- Klickman, Rudolph H. (See Miller and Klickman.)
- Klier, William R., Newton, Ill. Belt guide and shifter. No. 1,211,716; Jan. 9; v. 234; p. 490.
- Klier, William R., Galva, Ill. Attachment for belt guides and shifters. No. 1,224,553; May 1; v. 238; p. 157.
- Kliesrath, Victor W. (See Heins and Kliesrath.)
- Kliesrath, Victor W., and L. C. Carlton, Port Washington, N. Y. Cuff-button retainer. No. 1,235,575; Aug. 7; v. 241; p. 15.
- Klimas, William, Paterson, N. J. Combination-lock. No. 1,236,945; Aug. 14; v. 241; p. 490.
- Klimas, William, Paterson, N. J. Railway-tie. No. 1,238,788; Sept. 4; v. 242; p. 21.
- Klimo, Gustav, assignor to The Theodor Kundtz Company, Cleveland, Ohio. Cabinet for sewing-machines, type-writers, &c. No. 1,229,620; June 12; v. 239; p. 470.
- Klin, John R., assignor to The Germless Paper Cup Company, Dayton, Ohio. Holder for paper cups. No. 1,239,277; Sept. 4; v. 242; p. 180.
- Kline, Charles F., assignor of one-half to W. C. Kline, Cleveland, Ohio. Guard for door-latches. No. 1,215,384; Feb. 13; v. 235; p. 348.
- Kline, Edwin P., New York, N. Y. Candy-sealing machine. No. 1,245,597; Nov. 6; v. 244; p. 138.
- Kline, Francis, assignor of one-half to F. Burkman, Chicago, Ill. Needle-threader for sewing-machines. No. 1,235,532; July 31; v. 240; p. 1426.
- Kline, Frederick H., Los Angeles, Cal. Collar. No. 1,211,319; Jan. 2; v. 234; p. 324.
- Kline, John A., Bloomsburg, Pa. Lock-bolt. No. 1,224,936; May 8; v. 238; p. 341.
- Kline, Nick W., Los Angeles, Cal. Auto-trailer. No. 1,247,282; Nov. 20; v. 244; p. 701.
- Kline, W. C. (See Kline, Charles F., assignor.)
- Kling, Fred E., Youngstown, Ohio, assignor of one-half to L. B. Weidlein. Filtering medium for cleaning furnace-gases. No. 1,215,385; Feb. 13; v. 235; p. 349.
- Kling-Müller, Eugén, Philadelphia, Pa. Electric clock. No. 1,239,507; Sept. 11; v. 242; p. 279.
- Klingberg, William A., Afton, Okla. Window-shield. No. 1,246,936; Nov. 20; v. 244; p. 602.
- Klingensfeld, Harry M., Milwaukee, Wis. Refrigerating apparatus. No. 1,246,280; Nov. 13; v. 244; p. 370.
- Klingensmith, Edmund L., Pierson, Iowa. Reinforced-concrete door and window frame construction. No. 1,229,293; June 12; v. 239; p. 359.
- Klingman, Arthur M. (See Brown and Klingman.)
- Klinka, Lucie M., Milwaukee, Wis. Kitchen utensil. No. 1,235,038; July 31; v. 240; p. 1278.
- Klinkenberg, Adolf, Dortmund, Germany. Manufacturing iron and steel from oxygen-containing baths. No. 1,238,409; Aug. 28; v. 241; p. 1030.
- Klinsmann, Otto A., Fargo, N. D. Caster. No. 1,222,414; Apr. 10; v. 237; p. 527.
- Klippel Manufacturing Company. (See Swan, John H., assignor.)
- Klippbahn, Ernest O. E., Dobbins, Cal. Protective device. No. 1,239,795; Sept. 11; v. 242; p. 371.
- Klitsch, Henry J., East Mauch Chunk, Pa. Horseshoe-calk. No. 1,244,098; Oct. 23; v. 243; p. 931.

- Klobuchar, Johan, Steuben, Mich. Rail-joint. No. 1,232,332; July 3; v. 240; p. 266.
- Klocke, William, assignor to E. W. Bliss Company, Brooklyn, N. Y. Drawing-press. No. 1,212,230; Jan. 16; v. 234; p. 700.
- Klockslem, Louis H., Paton, Iowa. Resilient tire. No. 1,214,174; Jan. 30; v. 234; p. 1439.
- Kloepfer, Carl F. (See Kloepfer, George J. and C. F.)
- Kloepfer, George J. and C. F., Springfield, Ohio. Signaling device. No. 1,215,169; Feb. 6; v. 235; p. 239.
- Kloepfer, Fred H., Lancaster, Kans. Attachment for oil-founts. No. 1,227,629; May 29; v. 238; p. 1357.
- Klofkorn, Emil W. C., Blackwell, Okla. Wire-stretcher gage. No. 1,249,118; Dec. 4; v. 245; p. 119.
- Klok, Carl R., Chicago, Ill., assignor, by mesne assignments, to United Table-Bed Company. Folding bed. No. 1,243,423; Oct. 16; v. 243; p. 690.
- Klok, Carl R., Chicago, Ill., assignor, by mesne assignments, to United Table-Bed Company. Table-bed. No. 1,243,424; Oct. 16; v. 243; p. 690.
- Klok, Carl R., Chicago, Ill., assignor, by mesne assignments, to United Table-Bed Company. Table-bed. No. 1,243,425; Oct. 16; v. 243; p. 691.
- Klok, Carl R., Chicago, Ill., assignor, by mesne assignments, to United Table-Bed Company. Table-bed. No. 1,243,426; Oct. 16; v. 243; p. 691.
- Klok, Carl R., Chicago, Ill., assignor, by mesne assignments, to United Table-Bed Co. Folding bed. No. 1,244,987; Oct. 30; v. 243; p. 1237.
- Klok, Carl R., Chicago, Ill., assignor, by mesne assignments, to United Table-Bed Company. Folding bed. No. 1,244,988; Oct. 30; v. 243; p. 1237.
- Klok, Carl R., Chicago, Ill., assignor, by mesne assignments, to United Table-Bed Company. Table-bed. No. 1,246,611; Nov. 13; v. 244; p. 471.
- Klok, Carl R., Chicago, Ill., assignor, by mesne assignments, to United Table-Bed Company. Table-bed. No. 1,246,612; Nov. 13; v. 244; p. 471.
- Kloneck, August J., New York, N. Y. Signaling device. No. 1,223,589; Apr. 24; v. 237; p. 1006.
- Klopp, Peter, Detroit, Mich. Fuel-vaporizer. No. 1,249,119; Dec. 4; v. 245; p. 199.
- Klorer, Charles P., East Conemaugh, assignor of two-thirds to J. E. Zang, Johnstown, Pa. Flexible clamp-joint. No. 1,217,960; Mar. 6; v. 236; p. 26.
- Klos, John E. (See Baker and Klos.)
- Klose, Frank, St. James, Minn. Quack-grass digger. No. 1,251,050; Dec. 25; v. 245; p. 886.
- Klotz, Arthur H., Dayton, Ohio. Cooperage-lamp. No. 1,232,047; July 3; v. 240; p. 173.
- Klotz, Charles H., Washington, D. C., assignor to Gold Car Heating & Lighting Company, New York, N. Y. Hose-coupling for cars. No. 1,213,110; Jan. 16; v. 234; p. 1011.
- Klousnitzer, Frank, *et al.* (See Smolik, Mathias, assignor.)
- Kløver-Byggryn-Fabrikken. (See Gerl-Holmen, Niels, assignor.)
- Kluchansky, Eugene, New York, N. Y. Advertising apparatus. No. 1,223,887; Apr. 24; v. 237; p. 1113.
- Kluczny, Frank E., *et al.* (See Hoffmann, Michael, assignor.)
- Klueg, Martin, Sandusky, Ohio. Extension-table. No. 1,224,175; May 1; v. 238; p. 21.
- Kluender, William J., Paulina, Iowa. Partition. No. 1,219,825; Mar. 20; v. 236; p. 740.
- Kluft, Peter N., Amsterdam, Netherlands. Tool-holder. No. 1,230,724; June 19; v. 239; p. 870.
- Kluge, Otto, Golconda, Ill. Vertical cutter attachment for mowing-machines. No. 1,229,756; June 12; v. 239; p. 514.
- Klugh, Paul B., assignor to The Cable Company, Chicago, Ill. Mechanical musical instrument. No. 1,215,548; Feb. 13; v. 235; p. 407.
- Klugh, Paul B., assignor to The Cable Company, Chicago, Ill. Perforated sheet. No. 1,217,094; Feb. 20; v. 235; p. 1002.
- Klugh, Paul B., assignor to The Cable Company, Chicago, Ill. Mechanical musical instrument. No. 1,228,029; May 29; v. 238; p. 1494.
- Klugh, Paul B., assignor to The Cable Company, Chicago, Ill. Music-sheet-controlling device. No. 1,240,160; Sept. 11; v. 242; p. 483.
- Klumb, Edward F., Chicago, Ill. Artificial tooth. No. 1,220,239; Mar. 27; v. 236; p. 923.
- Knaack, Gustav J., and C. J. Marquardt, Princeton, Wis. Heating-drum. No. 1,213,212; Jan. 23; v. 234; p. 1079.
- Knaack, Gustav J., and C. J. Marquardt, Princeton, Wis. Window-screen. No. 1,213,213; Jan. 23; v. 234; p. 1080.
- Knack, Frederick, Hoquiam, Wash. Silo. No. 1,246,281; Nov. 13; v. 244; p. 370.
- Knackstedt, Louis C. (See Peterson and Knackstedt.)
- Knape, Ernest P., Twin Falls, Idaho. Ditching-machine. No. 1,243,306; Oct. 16; v. 243; p. 656.
- Knapp, Ada B. (See Knapp, Edward B., assignor.)
- Knapp Brothers Manufacturing Company of Chicago, Illinois. (See Knapp, George S., assignor.)
- Knapp, Charles S. (See Parke and Knapp.)
- Knapp, David R., assignor to The Eastern Steel Company, Pottsville, Pa. Electric furnace. No. 1,240,460; Sept. 18; v. 242; p. 618.
- Knapp, Edward B., assignor to A. B. Knapp, San Jacinto, Cal. Harness-hook. No. 1,211,320; Jan. 2; v. 234; p. 324.
- Knapp, Fred, *et al.* (See Dudley, John B., assignor.)
- Knapp, George O., Newark, N. J. Reed-holder. No. 1,229,757; June 12; v. 239; p. 514.
- Knapp, George S., La Grange, assignor to Knapp Brothers Manufacturing Company of Chicago, Ill., Chicago, Ill. Metal cove-molding and fittings. No. 1,250,594; Dec. 18; v. 245; p. 702.
- Knapp, Jacob, assignor to The Sechler and Company, Cincinnati, Ohio. Steering device for drawn vehicles. No. 1,247,410; Nov. 20; v. 244; p. 737.
- Knapp, Jacob, assignor to The Sechler and Company, Cincinnati, Ohio. Coupling-bar for automobile-trailers. No. 1,250,899; Dec. 18; v. 245; p. 792.
- Knapp, Jacob A., Tremont, Ill. Take-up device for lamp-cords. No. 1,230,414; June 19; v. 239; p. 766.
- Knapp, John D. C., Hornsilver, Nev., assignor to J. C. Brown, Duluth, Minn. Fastener for sash-cords. No. 1,219,467; Mar. 20; v. 236; p. 615.
- Knapp, John H., Black River, N. Y. Shade-bracket. No. 1,233,248; July 10; v. 240; p. 596.
- Knapp, Joseph K., North Platte, Nebr. Photographic-printing apparatus. No. 1,231,173; June 26; v. 239; p. 1062.
- Knapp, Lloyd G., Lisbon, N. D. Tractor-guide. No. 1,234,040; July 17; v. 240; p. 889.
- Knapp, Philip N., South Norwalk, Conn. Straw-braid hat. No. 1,219,111; Mar. 13; v. 236; p. 463.
- Knapp, Theron L. (See Roderick and Knapp.)
- Knapp, William, Bayonne, N. J., assignor to New York Electric Lamp Company, Inc., New York, N. Y. Lamp-shade holder. No. 1,251,051; Dec. 25; v. 245; p. 886.
- Knapp, William G., *et al.* (See Wilcox, Charles E., assignor.)
- Knapp, William G., Alhambra, Cal. Sectional slip. No. 1,234,041; July 17; v. 240; p. 890.
- Knauf, Carl, Kronach, Germany. Map-displaying apparatus. No. 1,218,277; Mar. 6; v. 236; p. 137.
- Knauff, George C., Chicago, Ill. Circuit-controller. No. 1,231,268; June 26; v. 239; p. 1093.
- Knauss, Edward, Mount Vernon, assignor to The K. P. Manufacturing Company, Inc., New York, N. Y. Car-bureter. No. 1,212,505; Jan. 16; v. 234; p. 799.
- Knauss, Edward, Mount Vernon, assignor to The K. P. Manufacturing Company, Inc., New York, N. Y. Shock-absorber for motor-vehicles. No. 1,212,506; Jan. 16; v. 234; p. 799.
- Knauss, Edward, assignor to The K. P. Manufacturing Company, Inc., New York, N. Y. Rim-contractor. No. 1,242,950; Oct. 16; v. 243; p. 547.
- Knecht, John E., Batavia, Ill. Candy-pulling machine. No. 1,225,138; May 8; v. 238; p. 408.
- Knee, Louis, New York, N. Y. Felt welt and making same for gloves and the like. No. 1,231,382; June 26; v. 239; p. 1131.
- Kneedler, John D., Sioux City, Iowa. Road-bed equipment for railways. No. 1,235,039; July 31; v. 240; p. 1278.
- Kneisel, Arthur, Cleveland, Ohio. Test-connector for electric wires. No. 1,244,099; Oct. 23; v. 243; p. 931.
- Knepper, J. F. (See Taylor, John E., assignor.)
- Knerr, Benjamin F., Gresham, Nebr. Hog-oiler. No. 1,229,094; June 5; v. 239; p. 241.
- Knerr, Horace C., Primos, Pa. Control system. No. 1,228,030; May 29; v. 238; p. 1494.
- Knickerbein, Gustav, Milwaukee, Wis. Scene-shifting apparatus. No. 1,241,637; Oct. 2; v. 243; p. 55.
- Knieriem, Arthur J., Scribner, and G. H. Hilbers, Hooper, Nebr. Shiftable tractor draw-bar. No. 1,213,385; Jan. 23; v. 234; p. 1141.
- Knieriem, Edward A., deceased, New York, N. Y.; G. P. Hotaling, executor. Sanitary bandage. No. 1,217,014; Feb. 20; v. 235; p. 976.
- Kniffen, Frederick, assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Apparatus for recovering solvents. No. 1,236,719; Aug. 14; v. 241; p. 418.
- Kniffler, Bruno, Winchester, and W. A. Oppen, Stoneham, Mass. Apparatus for preparing resin size for paper manufacture. No. 1,215,034; Feb. 6; v. 235; p. 195.
- Knight, Albert F., New Bedford, Mass. Nipper-motion control. No. 1,235,981; Aug. 7; v. 241; p. 148.
- Knight American Patents Company. (See Knight, Charles Y., assignor.)
- Knight American Patents Company. (See Porter, Finley R., assignor.)
- Knight American Patents Company. (See Tillotson, Harry C., assignor.)
- Knight, Amos L., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Type-mold. No. 1,219,956; Mar. 20; v. 236; p. 787.
- Knight, Amos L., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Casting-machine for elements of printing-forms. No. 1,222,415; Apr. 10; v. 237; p. 527.
- Knight, Amos L., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Strip element of printing-forms and making the same. No. 1,237,058; Aug. 14; v. 241; p. 526.

Alphabetical list of patentees—Continued.

- Knight, Charles Y., Pasadena, Cal., assignor to Knight American Patents Company, Chicago, Ill. Circulation system for internal-combustion engines. No. 1,234,042; July 17; v. 240; p. 890.
- Knight, Edmund H., Charlevoix, Mich. Four-wheel motor-driven vehicle. No. 1,233,372; July 17; v. 240; p. 672.
- Knight, Edward M., New York, N. Y. Water-purifying apparatus. No. 1,244,989; Oct. 30; v. 243; p. 1238.
- Knight, Frank H., assignor of one-half to H. G. Rush, Lancaster, Pa. Lock for automobiles. No. 1,223,888; Apr. 24; v. 237; p. 1113.
- Knight, Frank T., Columbus, Ga. Railway-controlling apparatus. No. 1,247,546; Nov. 20; v. 244; p. 776.
- Knight, George L. (See Isbell, John F., assignor.)
- Knights, Harold B., Albion, Me. Beehive. No. 1,235,576; Aug. 7; v. 241; p. 16.
- Knight, Julian G., New York, N. Y., assignor to J. Gordon Knight Electric Company, Inc. Outlet-box. No. 1,210,492; Jan. 2; v. 234; p. 40.
- Knight, Richard D., Providence, R. I. Coin-holder. No. 1,217,189; Feb. 27; v. 235; p. 1080.
- Knight, Richard G. H., Providence, and G. R. Quimby, Central Falls, R. I. Spindle-adjusting device. No. 1,213,657; Jan. 23; v. 234; p. 1233.
- Knight, Robert H., Iuka, Ill. Tool-driver. No. 1,242,205; Oct. 9; v. 243; p. 275.
- Knight, Royal, Bellingham, Wash. Can-filler. No. 1,250,322; Dec. 18; v. 245; p. 619.
- Knight, Sherwood S., Berkeley, Cal. Making steel and iron. No. 1,213,806; Jan. 23; v. 234; p. 1284.
- Knight, William C., Detroit, Mich. Liquid-flow indicator. No. 1,249,120; Dec. 4; v. 245; p. 199.
- Knight, William H., Cleveland, Ohio. Gas-meter. No. 1,246,613; Nov. 13; v. 244; p. 472.
- Knipe, Oliver C., Palo Alto, Cal. Ball-bearing. No. 1,233,583; July 17; v. 240; p. 744.
- Knisley, George F., Charleston, S. C. Emergency-brake. No. 1,240,150; Sept. 11; v. 242; p. 480.
- Knisely, William S., Benton Harbor, Mich. Car and air-hose coupling. No. 1,228,569; June 5; v. 239; p. 67.
- Knissel, Louis C., and W. J. McClenahan, New York, N. Y. Sanitary confessional-window. No. 1,238,689; Aug. 28; v. 241; p. 1117.
- Knittel, Andrew W., New Castle, Pa. Curtain-stretcher. No. 1,229,621; June 12; v. 239; p. 470.
- Knittel, Frank E., Mooreland, Okla. Weaning device. No. 1,214,927; Feb. 6; v. 235; p. 156.
- Knoch, Carl, New York, N. Y. Grand-piano action. No. 1,216,701; Feb. 20; v. 235; p. 869.
- Knoch, Isaac, and A. R. Nelson, Susanville, Cal. Window-shade fixture and mounting. No. 1,236,577; Aug. 14; v. 241; p. 369.
- Knochel, Francis C. (See Berger and Knochel.)
- Knodle, Martin L., Gloucester, N. J. Poultry-feeder. No. 1,249,774; Dec. 11; v. 245; p. 420.
- Knoevenagel, Emil, Heidelberg, assignor to Knoll and Company, Ludwigshafen-on-the-Rhine, Germany. Modifying acetyl-celluloses. No. 1,241,995; Oct. 2; v. 243; p. 168.
- Knoll and Company. (See Knoevenagel, Emil, assignor.)
- Knoll, George W., Jr., Philadelphia, Pa. Poultry-feeding device. No. 1,239,404; Sept. 4; v. 242; p. 218.
- Knopke, Raymond C., Glenellyn, Ill. Metal fence-post. No. 1,237,654; Aug. 21; v. 241; p. 754.
- Knoth, Conrad, Newark, assignor to Hyatt Roller Bearing Division, United Motors Corporation, Harrison, N. J. Rivet connection for tie-bars. No. 1,250,595; Dec. 18; v. 245; p. 702.
- Knothe, Emeline. (See Knothe, Emil M., assignor.)
- Knothe, Emil M., assignor to E. Knothe, Seattle, Wash. Car-fender. No. 1,214,175; Jan. 30; v. 234; p. 1439.
- Knott, Clarence B., New York, N. Y. Focusing device for cameras. No. 1,232,333; July 3; v. 240; p. 266.
- Knott, Edward D., New Orleans, La. Fuse-plug. No. 1,238,690; Aug. 28; v. 241; p. 1117.
- Knott, Eustace R., Sharon, Mass. Wrapping-machine. No. 1,216,702; Feb. 20; v. 235; p. 869.
- Knott, John A. (See Spain, John J. and W. L., assignors.)
- Knouff, John E., Wilmet, Ind. Grindstone attachment. No. 1,224,754; May 1; v. 238; p. 227.
- Knower, Earl A., Packwaukee, Wis. Priming device. No. 1,217,015; Feb. 20; v. 235; p. 976.
- Knowles, Camden E., and L. D. Cornelius, Pittsburg, Kans. System for firing explosives in mines. No. 1,212,072; Jan. 9; v. 234; p. 616.
- Knowles, Eli H., Malone, Fla. Emergency draft appliance for automobiles. No. 1,212,647; Jan. 18; v. 234; p. 851.
- Knowles, George E., deceased, New York, N. Y.; H. A. Knowles, executrix. Ventilating device. No. 1,213,884; Jan. 30; v. 234; p. 1341.
- Knowles, Hattie A., executrix. (See Knowles, George E.)
- Knowles, Henry R., Ridley Park, Pa. Concealing-screen for visible type-writers. No. 1,240,349; Sept. 18; v. 242; p. 582.
- Knowles, Jesse B., Oakland, Cal. Oil-level indicator. No. 1,246,757; Nov. 13; v. 244; p. 512.
- Knowles, Joseph, Edmonds, Wash. Wrench. No. 1,241,223; Sept. 25; v. 242; p. 886.
- Knowles, William E. (See Johnson, Guy W., assignor.)
- Knowles, William E., et al. (See Miller, Homer E., assignor.)
- Knowlton, Theodore E., Elba, P. H. McCorquodale, J. H. Wyckoff, C. H. Russell, and J. N. Tooker, Syracuse, assignors to Church & Dwight Company, New York, N. Y. Carton-handling machine. No. 1,220,643; Mar. 27; v. 236; p. 1065.
- Knowlton, William N., Brooklyn, N. Y. Vehicle-wheel tire. No. 1,240,059; Sept. 11; v. 242; p. 452.
- Knox, Elmer G., and F. B. Dicker, Jackson, Mich. Valve for internal-combustion engines. No. 1,235,329; July 31; v. 240; p. 1365.
- Knox, Luther L., Avalon, Pa. Water-cooled floor. No. 1,223,800; Apr. 24; v. 237; p. 1083.
- Knox, Luther L., Avalon, Pa. Rendering-kettle. No. 1,229,758; June 12; v. 239; p. 515.
- Knox, Luther L., Avalon, assignor to Knox Pressed & Welded Steel Company, Pittsburgh, Pa. Water-cooled floor structure. No. 1,223,801; Apr. 24; v. 237; p. 1083.
- Knox, Luther L., Avalon, assignor to Blaw-Knox Company, Pittsburgh, Pa. Water-cooled floor structure. No. 1,244,507; Oct. 30; v. 243; p. 1091.
- Knox, Luther L., Bellevue, assignor to Blaw-Knox Company, Pittsburgh, Pa. Valve system for reversing-furnaces. No. 1,250,900; Dec. 18; v. 245; p. 792.
- Knox, Oscar A. (See Jahns, Knox, and Wilcox.)
- Knox Pressed & Welded Steel Company. (See Knox, Luther L., assignor.)
- Knox, Samuel L. G., San Francisco, Cal. Torpedo protection. No. 1,243,427; Oct. 16; v. 243; p. 691.
- Knox, William, San Francisco, Cal. Fruit-pitter. No. 1,237,528; Aug. 21; v. 241; p. 713.
- Knox, William J., assignor, by mesne assignments, to General Research Laboratories, New York, N. Y. Medicinal compound. No. 1,210,949; Jan. 2; v. 234; p. 198.
- Knudsen, Becker C., Clinton, Iowa. Radius-rod for automobiles. No. 1,221,190; Apr. 3; v. 237; p. 67.
- Knudsen, Jacob B., assignor of one-half to E. H. Quail, Chicago, Ill. Coil-spring. (Reissue.) No. 14,287; Apr. 17; v. 237; p. 892.
- Knudsen, Peder M., Brooklyn, N. Y. Manicuring device. No. 1,231,270; June 26; v. 239; p. 1094.
- Knudson, Knud C. (See Larson and Knudson.)
- Knudson, Oscar. (See Hill and Jeffrey, assignors.)
- Knurck, John G., Woodhaven, N. Y. Envelop. No. 1,228,218; May 29; v. 238; p. 1555.
- Knuth, G. Friedrich W. (See Gilbert, Ora B., assignor.)
- Knutson, Alfred W., assignor to Rowe Manufacturing Co., Galesburg, Ill. Cattle-aling device. No. 1,214,176; Jan. 30; v. 234; p. 1440.
- Knutson, Alfred W., assignor to Rowe Manufacturing Co., Galesburg, Ill. Track-hanger. No. 1,214,177; Jan. 30; v. 234; p. 1440.
- Knutson, Alfred W., assignor to Rowe Manufacturing Co., Galesburg, Ill. Cattle-aling device. No. 1,214,178; Jan. 30; v. 234; p. 1441.
- Knutson, Alfred W., assignor to Rowe Manufacturing Co., Galesburg, Ill. Locking-head for stanchions. No. 1,216,327; Feb. 20; v. 235; p. 739.
- Knutson, Alfred W., assignor to Rowe Manufacturing Co., Galesburg, Ill. Stop device for stalls. No. 1,235,700; Aug. 7; v. 241; p. 54.
- Knutson, Alfred W., assignor to Rowe Manufacturing Co., Galesburg, Ill. Hoisting device. No. 1,239,110; Sept. 4; v. 242; p. 125.
- Knutson, Alfred W., assignor to Rowe Manufacturing Co., Galesburg, Ill. Gearing. No. 1,239,111; Sept. 4; v. 242; p. 126.
- Knutson, Alfred W., assignor to Rowe Manufacturing Co., Galesburg, Ill. Stanchion-head. No. 1,246,758; Nov. 13; v. 244; p. 512.
- Knutson, Alfred W., assignor to Rowe Manufacturing Co., Galesburg, Ill. Baling-press. No. 1,246,759; Nov. 13; v. 244; p. 513.
- Kny-Scheerer Corporation, The. (See Berry, William D., assignor.)
- Kny-Scheerer Corporation. (See Hawley, George W., assignor.)
- Kny-Scheerer Corporation, The. (See Liptay, John M., assignor.)
- Kny-Scheerer Corporation, The. (See Winter, William A., assignor.)
- Knysz, Stefan, Hamtramck, Mich. Can-opener. No. 1,231,746; July 3; v. 240; p. 71.
- Ko, Eune, Peter C., Philadelphia, Pa. Portable pad. No. 1,247,547; Nov. 20; v. 244; p. 776.
- Kobayashi, Frank T., Kenilworth, Utah. Electrical switch. No. 1,246,282; Nov. 13; v. 244; p. 371.
- Kobert, Frank P., Amityville, N. Y., assignor to International Electric Riveter Company. Electric riveting apparatus. (Reissue.) No. 14,319; June 19; v. 239; p. 909.
- Kobler-Stauder, Victor, Zurich, Switzerland. Type-writing machine. No. 1,245,926; Nov. 6; v. 244; p. 237.
- Koch, Charles, New York, N. Y. Magnetic brake. No. 1,243,529; Oct. 16; v. 243; p. 721.
- Koch, Felix, Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Passenger-car construction. No. 1,224,176; May 1; v. 238; p. 22.
- Koch, Felix, Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Passenger-car-hood construction. No. 1,249,121; Dec. 4; v. 245; p. 200.
- Koch, Fred J., New Baden, Ill. Traffic-signal for automobiles. No. 1,244,990; Oct. 30; v. 243; p. 1238.

- Koch, Frederick, Newark, N. J., assignor to Powers Accounting Machine Company, New York, N. Y. Pin-box for sorting-machines. No. 1,234,348; July 24; v. 240; p. 1025.
- Koch, Nicholas, *et al.* (See Lohse, Wilhelm R., assignor.)
- Koch, Norbert. (See Hellemann, Behnke, and Koch.)
- Koch, Ralph A. (See Sterling and Koch.)
- Koch, Reinhold G., New York, N. Y., assignor to Silver Crown Disk Company, Inc. Cover for bottle-cap corks. No. 1,238,156; Aug. 28; v. 241; p. 946.
- Koch, Richard, assignor to The Concordia Safety Lamp Company, Inc., Pittsburgh, Pa. Miner's safety electric lamp. No. 1,218,570; Mar. 6; v. 236; p. 235.
- Koch, Wilhelm. (See Lüttringhaus and Koch.)
- Koch, William C., St. Paul, Minn. Antirattling device for automobile-curtains. No. 1,224,177; May 1; v. 238; p. 22.
- Koch, William C., St. Paul, Minn. Releasing device. No. 1,224,651; May 1; v. 238; p. 190.
- Koch, William C., St. Paul, Minn. Ornamentally roughening bricks. No. 1,234,098; July 17; v. 240; p. 907.
- Koch, William G., Milwaukee, Wis. Metal-coated sheet. No. 1,223,399; Apr. 24; v. 237; p. 938.
- Kochendorfer, Alfred P., South Park, Minn. Harrow attachment. No. 1,248,673; Dec. 4; v. 245; p. 73.
- Kocisko, Michael, Angus, Minn., assignor to O. Myhran, Barton, N. D. Adjustable level. No. 1,215,035; Feb. 6; v. 235; p. 195.
- Kocourek, Henry, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Speed-indicator for talking-machines. No. 1,219,112; Mar. 13; v. 236; p. 463.
- Kocourek, Henry, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Electric jack. No. 1,224,652; May 1; v. 238; p. 191.
- Kocourek, Henry, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Oil-feed indicator. No. 1,234,774; July 31; v. 240; p. 1195.
- Kočovský, Anton. (See Balko and Kočovský.)
- Koeb, Emil, New York, N. Y. Vehicle suspension. No. 1,220,431; Mar. 27; v. 236; p. 992.
- Koeb, Emil, New York, N. Y. Suspension-spring. No. 1,237,655; Aug. 21; v. 241; p. 755.
- Koehler, Andrew R., Buffalo, N. Y. Trimming-machine. No. 1,227,155; May 22; v. 238; p. 1172.
- Koehler, Andrew R., Buffalo, N. Y. Work-holder for machines for trimming electrotype-blocks or the like. No. 1,227,156; May 22; v. 238; p. 1173.
- Koehler, Frank G., St. Louis, Mo. Truck. No. 1,221,997; Apr. 10; v. 237; p. 380.
- Koehler, Frank G., St. Louis, Mo. Truck-bearing. No. 1,226,894; May 22; v. 238; p. 1081.
- Koehler, Henry L., Louisville, Ky. Delivery attachment for printing-presses. No. 1,215,285; Feb. 6; v. 235; p. 279.
- Koehler, Maximilian E., Washburn, Wis. Motor-cycle trailer. No. 1,234,043; July 17; v. 240; p. 890.
- Koehler, Rudolph, St. Louis, Mo. Locking device. No. 1,251,243; Dec. 25; v. 245; p. 942.
- Koehli, Samuel, Pasadena, Cal. Basket for lawn-mowers. No. 1,244,341; Oct. 23; v. 243; p. 1004.
- Koehnle, Frederick C. (See Loveland, John W., assignor.)
- Koehring Machine Company. (See Koehring, Philip A., assignor.)
- Koehring Machine Company. (See Lichtenberg, Erich H., assignor.)
- Koehring, Philip A., assignor to Koehring Machine Company, Milwaukee, Wis. Conveyor apparatus. No. 1,227,157; May 22; v. 238; p. 1173.
- Koella, Frederick E. (See Bulask and Koella.)
- Koelling, Wesley C., Freeport, Kans. Automatic coal-feed and draft-regulator. No. 1,232,813; July 10; v. 240; p. 456.
- Koelsch, Kate, Atchison, Kans. Veil. No. 1,241,858; Oct. 2; v. 243; p. 124.
- Koenig, Charles M., Farmingdale, N. Y. Coat-hanger. No. 1,244,342; Oct. 23; v. 243; p. 1004.
- Koenig, Louis, New York, N. Y. Tire-shield. No. 1,228,447; June 5; v. 239; p. 24.
- Koenig, Paul M., Atascadero, Cal. Combined shipping and display case. No. 1,235,521; July 31; v. 240; p. 1422.
- Koenig, Ralph, Newburg, Wis. Telegraph-sounder. No. 1,226,775; May 22; v. 238; p. 1042.
- Koenig, Walter R., Wilton Junction, Iowa. License-holder. No. 1,223,700; Apr. 24; v. 237; p. 1047.
- Koenig, William J., Brooklyn, N. Y. Flushing-tank valve. No. 1,245,738; Nov. 6; v. 244; p. 180.
- Koepp & Co., Rudolph. (See Bredig, Georg, assignor.)
- Koepp & Co., Rudolph. (See Eyer, Philipp, assignor.)
- Koeppel, Adolph G., Palmyra, Ill. Lock-valve. No. 1,240,734; Sept. 18; v. 242; p. 700.
- Koering, Bruno R., Detroit, Mich. Filter-tank. No. 1,225,441; May 8; v. 238; p. 513.
- Koester, George H., assignor of one-fifth to G. W. Orrick, Crocker, Mo. Liquid-dispensing apparatus. No. 1,233,794; July 17; v. 240; p. 810.
- Koester, Herman. (See Bristol and Koester.)
- Koester, Paul, *et al.* (See Rodler, Harold B., assignor.)
- Koetschet, Joseph, Lyon, and M. Theumann, St. Fons, assignors to Societe Chimique Des Usines Du Rhone (ancienement Gilliard, P. Monnet et Cartier), Paris, France. Manufacture of cellulose derivatives. No. 1,216,462; Feb. 20; v. 235; p. 787.
- Koffskey, George, New Orleans, La. Nautical instrument. No. 1,245,355; Nov. 6; v. 244; p. 63.
- Kofol, Leopold, Detroit, Mich. Match-safe. No. 1,234,911; July 31; v. 240; p. 1238.
- Koger, John J., Morristown, Tenn. Power-transmitting apparatus. No. 1,218,278; Mar. 6; v. 236; p. 138.
- Kögler, Albert P., San Francisco, Cal. Oil-feeding valve. No. 1,224,755; May 1; v. 238; p. 228.
- Kogler, Peter J., assignor of one-half to J. J. Hayden, Ossining, N. Y. Automatic train-stop. No. 1,232,569; July 10; v. 240; p. 376.
- Kohl, Eduard F., Vienna, Austria. Keyless lock. No. 1,240,981; Sept. 25; v. 242; p. 811.
- Kohlbach, Henry F. W., New Bedford, Mass. Lawn-mower sharpener. No. 1,226,675; May 22; v. 238; p. 1007.
- Kohlberger, Charles F., New York, N. Y. Lock. No. 1,239,188; Sept. 4; v. 242; p. 149.
- Kohler Co. (See Kohler, Walter J., assignor.)
- Kohler, George B., assignor to The J. G. Brill Company, Philadelphia, Pa. Back for car-seats. No. 1,220,644; Mar. 27; v. 236; p. 1066.
- Kohler, George B., assignor to The J. G. Brill Company, Philadelphia, Pa. Car-seat. No. 1,221,748; Apr. 3; v. 237; p. 258.
- Kohler, George B., assignor to The J. G. Brill Company, Philadelphia, Pa. Door-operating mechanism. No. 1,222,772; Apr. 17; v. 237; p. 693.
- Kohler, George B., assignor to The J. G. Brill Company, Philadelphia, Pa. Metallic sash. No. 1,228,327; May 29; v. 238; p. 1591.
- Kohler, George B., assignor to The J. G. Brill Company, Philadelphia, Pa. Window-frame. No. 1,240,735; Sept. 18; v. 242; p. 701.
- Kohler, George B., assignor to The J. G. Brill Company, Philadelphia, Pa. Window-sash. No. 1,242,815; Oct. 9; v. 243; p. 468.
- Kohler, George B., assignor to The J. G. Brill Company, Philadelphia, Pa. Automatic lighting system for doorways. No. 1,243,530; Oct. 16; v. 243; p. 722.
- Kohler, George B., assignor to The J. G. Brill Company, Philadelphia, Pa. Car-seat. No. 1,243,531; Oct. 16; v. 243; p. 722.
- Kohler, John B., Chicago, Ill., assignor to The Kohler-Liebhich Company, Wilmington, Del. Percussion musical instrument. No. 1,210,950; Jan. 2; v. 234; p. 198.
- Kohler-Liebhich Company, The. (See Kohler, John B., assignor.)
- Kohler, Walter J., Sheboygan, assignor to Kohler Co., Kohler, Wis. Drain-outlet for sinks and the like. No. 1,236,450; Aug. 14; v. 241; p. 327.
- Kohlhaas, George, Elmira, N. Y. Die and die-holder. No. 1,250,323; Dec. 18; v. 245; p. 620.
- Kohlhaas, George P., Greene, Iowa. Seed-corn tipper. No. 1,221,336; Apr. 3; v. 237; p. 118.
- Kohlhepp, John W., assignor to The Albright Mill Company, Chicago, Ill. Carcass scalding, dehairing, and polishing machine. No. 1,210,951; Jan. 2; v. 234; p. 198.
- Kohlmeier, William, Lyons, Nebr. Self-feeder for alfalfa hay for hogs. No. 1,234,349; July 24; v. 240; p. 1026.
- Kohman, Henry A., Pittsburgh, Pa., C. Hoffman, New York, N. Y., and T. M. Godfrey, Pittsburgh, Pa. Mineral water for use in the manufacture of leavened bread. No. 1,213,210; Jan. 23; v. 234; p. 1079.
- Kohman, Henry A., T. M. Godfrey, and L. H. Ashe, Pittsburgh, Pa., assignors to Ward Baking Company, New York, N. Y. Manufacture of bread. No. 1,222,304; Apr. 10; v. 237; p. 487.
- Kohman, Henry A., T. M. Godfrey, and L. H. Ashe, Pittsburgh, Pa., assignors to Ward Baking Company, New York, N. Y. Shortening composition and producing the same. No. 1,242,883; Oct. 9; v. 243; p. 490.
- Kohman, Henry A., T. M. Godfrey, and L. H. Ashe, Pittsburgh, Pa., assignors to Ward Baking Company, New York, N. Y. Producing a shortening composition. No. 1,242,884; Oct. 9; v. 243; p. 490.
- Köhn, Claus H., Leipzig, assignor to M. Brockmann Chemische Fabrik m. b. H., Leipzig-Eutritzsch, Germany. Motor-plow. No. 1,221,458; Apr. 3; v. 237; p. 160.
- Kohn, Leo M., Buffalo, N. Y. Apparatus for facilitating the inspection of laundered articles or the like. No. 1,245,242; Nov. 6; v. 244; p. 31.
- Kohn, Leopold. (See Biss and Kohn.)
- Kohn, Siegfried, Westfield, N. J. Pigment and making same. No. 1,231,617; July 3; v. 240; p. 26.
- Kohne, Robert D., Toledo, Ohio. Agricultural tractor. No. 1,227,630; May 29; v. 238; p. 1357.
- Kohout, George A., assignor to Kersto Corporation, Chicago, Ill. Automatic furnace-stoker. No. 1,222,109; Apr. 10; v. 237; p. 418.
- Kohout, George A., assignor to Kersto Corporation, Chicago, Ill. Automatic furnace-stoker. No. 1,243,186; Oct. 16; v. 243; p. 620.
- Kohout, George A., assignor to Shear-Klean Grate Company, Chicago, Ill. Grate. No. 1,246,937; Nov. 20; v. 244; p. 602.
- Kohr, Frank, Des Moines, Iowa. Egg-shipment case. No. 1,223,055; Apr. 17; v. 237; p. 790.
- Koier, Arthur W., Richmond, Va. Sash-fastener. No. 1,236,451; Aug. 14; v. 241; p. 327.
- Koken Barbers' Supply Company. (See Koken, Walter F., assignor.)

Alphabetical list of patentees—Continued.

- Koken, Walter F., assignor to Koken Barbers' Supply Company, St. Louis, Mo. Chiropody-chair. No. 1,233,249; July 10; v. 240; p. 596.
- Koken, Walter F., assignor to Koken Barbers' Supply Company, St. Louis, Mo. Barber's chair. No. 1,242,109; Oct. 2; v. 243; p. 203.
- Koken, Walter F., assignor to Koken Barbers' Supply Company, St. Louis, Mo. Barber's chair. No. 1,242,110; Oct. 2; v. 243; p. 204.
- Kolár, Nándor, assignor to Autometrograph Részvénytársaság, Budapest, Hungary. Bill-delivery apparatus. No. 1,251,386; Dec. 25; v. 245; p. 985.
- Kolarik, Frank E., assignor of one-half to B. M. Allen, Nunn, Colo. Carburetor. No. 1,247,548; Nov. 20; v. 244; p. 776.
- Kolb, Peter, Fort Deposit, Ala. Insect-destroyer. No. 1,218,188; Mar. 6; v. 236; p. 104.
- Kolbert, Edward, New York, N. Y. Garment-supporting form. No. 1,242,703; Oct. 9; v. 243; p. 434.
- Kole, Benjamin, Goshen, Ind. Rain-indicator. No. 1,242,951; Oct. 16; v. 243; p. 547.
- Kolesch, Percy A., Brooklyn, N. Y. Surveyor's target. No. 1,227,631; May 29; v. 238; p. 1358.
- Kolff, Petrus v., assignor to The Electric Tachometer Corporation, Philadelphia, Pa. Signaling apparatus. No. 1,242,816; Oct. 9; v. 243; p. 469.
- Kolisek, Anton, and M. Sobalo, Amsterdam, Ohio. Car-coupling for pit-cars. No. 1,246,113; Nov. 13; v. 244; p. 320.
- Kolkmann, John H., New York, N. Y. Coasting-wagon for children. No. 1,235,489; July 31; v. 240; p. 1411.
- Kolkmeier, Henry, St. Peters, Mo. Gate-hinge. No. 1,232,048; July 3; v. 240; p. 173.
- Koller, Joseph P., Chicago, Ill. Photograph-case. No. 1,215,036; Feb. 6; v. 235; p. 196.
- Koller, W. C. (See Brubaker, Henry, assignor.)
- Kollmeyer, Henry, Concordia, Mo. Door-lock. No. 1,215,286; Feb. 6; v. 235; p. 280.
- Kollock, George L., and R. P. Martin, assignors to Universal Hammer Company, Seattle, Wash. Hammer. No. 1,224,471; May 1; v. 238; p. 129.
- Kollstede, Alfred G., New York, N. Y., assignor to Rotary Meter Company. Pressure-correcting meter. No. 1,230,583; June 19; v. 239; p. 826.
- Kolomyjczuk, Nykola, South Porcupine, Ontario, Canada. Stump-puller. No. 1,231,618; July 3; v. 240; p. 26.
- Kolossvary, Endre, Budapest, Hungary, assignor, by mesne assignments, to Western Electric Company, Incorporated. Apparatus for checking a number of telephone-calls. No. 1,221,191; Apr. 3; v. 237; p. 67.
- Kols, Jacob A., Cleveland, Ohio. Sterilizer. No. 1,214,179; Jan. 30; v. 234; p. 1441.
- Komorous, Joseph, assignor to Parisian Novelty Company, Chicago, Ill. Structure comprising disks covered with flexible material. No. 1,228,219; May 29; v. 238; p. 1555.
- Komorous, Joseph, assignor to Parisian Novelty Company, Chicago, Ill. Powder-receptacle. No. 1,231,383; June 26; v. 239; p. 1131.
- Komorous, Joseph, assignor to Parisian Novelty Company, Chicago, Ill. Powder-receptacle. No. 1,231,384; June 26; v. 239; p. 1132.
- Komorous, Joseph, assignor to Parisian Novelty Company, Chicago, Ill. Container. No. 1,233,063; July 10; v. 240; p. 537.
- Komov, Albert P., Brooklyn, assignor to United States Cloth Cutting Machine Co., Inc., New York, N. Y. Electric cloth-cutting machine. No. 1,244,055; Oct. 23; v. 243; p. 918.
- Kompart, William C., Bellaire, Ohio. Resilient wheel. No. 1,229,095; June 5; v. 239; p. 242.
- Konar, John, Chicago, Ill., assignor of two-thirds to T. F. Adams, Sunnyside, Mont. Mechanical movement. No. 1,225,442; May 8; v. 238; p. 513.
- Konczak, Ignatius, Osakis, Minn. Hay-sling release. No. 1,239,700; Sept. 11; v. 242; p. 342.
- Kondolf, Mathias R., Rochester, N. Y. Process and apparatus for making boxes. No. 1,226,517; Mar. 27; v. 236; p. 1022.
- Kondolf, Mathias R., Rochester, N. Y. Box-cover. No. 1,234,480; July 24; v. 240; p. 1069.
- Kondratieff, Dmitrie S., Wilmington, Del., assignor of one-half to B. Edelbertz, New York, N. Y. Making smokeless powders. No. 1,212,770; Jan. 16; v. 234; p. 895.
- Kone, George W., assignor of one-half to S. R. Spencer, Rock Island, Ill. Seed-planter. No. 1,217,780; Feb. 27; v. 235; p. 1287.
- Kone, George W., assignor of one-half to S. R. Spencer, Rock Island, Ill. Planter. No. 1,219,644; Mar. 20; v. 236; p. 678.
- Köneman, William A., Baltimore, Md. Mouse-trap. No. 1,243,428; Oct. 16; v. 243; p. 692.
- Konetsky, John R., assignor to Ralston Iron Works, San Francisco, Cal. Brake-pedal mounting. No. 1,218,415; Mar. 6; v. 236; p. 183.
- Konietzky, Alexander O., Weehawken, N. J. Stop mechanism for roller-skates. No. 1,230,491; June 19; v. 239; p. 793.
- König, Rudolf. (See Stanzig and König.)
- Konigsberg, Joseph. (See Forsheim and Konigsberg.)
- Koniuszewski, John, Manchester, N. H. Automatic fender for automobiles. No. 1,219,113; Mar. 13; v. 236; p. 464.
- Konrath, John, New York, N. Y. Rescue apparatus. No. 1,228,220; May 29; v. 238; p. 1555.
- Kontolampros, Demetrius J., San Francisco, Cal. Anticreeper and spreadless tie-plate. No. 1,250,901; Dec. 18; v. 245; p. 792.
- Kook, Cheli, Akron, assignor of one-eighth to S. Besser, Warren, Ohio. Hole-closing device for ships. No. 1,249,422; Dec. 11; v. 245; p. 317.
- Koons, Helos H., Narka, Kans. Sickie-bar. No. 1,231,174; June 26; v. 239; p. 1063.
- Koontz, Augustus O. (See Koontz, Charles L., assignor.)
- Koontz, Charles L., assignor of one-half to A. O. Koontz, South Bend, Ind. Gas-burner. No. 1,213,885; Jan. 30; v. 234; p. 1342.
- Koontz, Dennis L., Port Atkinson, Wis. Paper package. No. 1,227,802; May 29; v. 238; p. 1416.
- Koontz, George B., et al. (See Gibson, William A., assignor.)
- Koontz, John A., Jr., Palo Alto, assignor of one-half to E. W. Beardsley, San Francisco, and one-fourth to R. W. Shoemaker, Alameda, Cal. Electric-conductor-insulating support. No. 1,215,549; Feb. 13; v. 235; p. 408.
- Koontz, Victor R., Waynesboro, Pa. Automatic pipe-cutting machine. No. 1,212,507; Jan. 16; v. 234; p. 800.
- Koontz, Victor R., Waynesboro, Pa. Die-head. No. 1,212,508; Jan. 16; v. 234; p. 800.
- Koontz, Victor R., Waynesboro, Pa. Chaser and mounting therefor. No. 1,216,328; Feb. 20; v. 235; p. 739.
- Koopmann, Kittie M., Walldwick, N. J. Cooking-pot cover. No. 1,210,813; Jan. 2; v. 234; p. 149.
- Kopetschny, Alexander H., Jersey City, N. J. Scapular-ring. No. 1,239,405; Sept. 4; v. 242; p. 218.
- Kopf, John. (See Swanson, Christina, assignor.)
- Kopf, Melrose G., assignor to McCormick Manufacturing Company, Dayton, Ohio. Spark-plug for internal-combustion engines. No. 1,216,139; Feb. 13; v. 235; p. 622.
- Kopf, Melrose G., assignor to The McCormick Manufacturing Company, Dayton, Ohio. Spring-lubricating device. No. 1,246,938; Nov. 20; v. 244; p. 602.
- Kopinski, August, Chicago, Ill. Air-brush. No. 1,218,279; Mar. 6; v. 236; p. 138.
- Kopp, John P., assignor of one-fourth to J. W. Sherman, one-eighth to J. W. Roberts, and one-eighth to G. F. Bigelow, Springfield, Mo. Car-replacer. No. 1,222,956; Apr. 17; v. 237; p. 756.
- Koppe, William P. (See Caldwell and Koppe.)
- Koppel, Hyman, Boston, Mass. Ash-sifting apparatus. No. 1,226,976; May 22; v. 238; p. 1111.
- Koppitz, Carl G., Wilkesburg, Pa. Means for transferring high-potential electric current as arcs. No. 1,233,584; July 17; v. 240; p. 744.
- Koppe, William P., Brooklyn, N. Y., assignor to Scholl Manufacturing Company, Inc., Chicago, Ill. Bunion-corrective appliance. No. 1,245,468; Nov. 6; v. 244; p. 98.
- Koppers, Heinrich, Essen-on-the-Ruhr, Germany, assignor, by mesne assignments, to H. Koppers Company. Operating furnace and oven apparatus with recovery of heat. No. 1,246,114; Nov. 13; v. 244; p. 320.
- Koppitz, Carl G., Youngstown, Ohio. Process of and apparatus for interconverting and adjusting the relative voltage of high-potential alternating and direct electric currents. No. 1,244,614; Oct. 30; v. 243; p. 1124.
- Koppitz, Carl G., Youngstown, Ohio. Interconverting high-potential polyphase and direct electric currents and transmitting power. No. 1,245,356; Nov. 6; v. 244; p. 64.
- Kops Brothers. (See Kops, Waldemar, assignor.)
- Kops, Daniel, New York, N. Y. Apparel-corset. No. 1,212,963; Jan. 10; v. 234; p. 960.
- Kops, Daniel, New York, N. Y. Apparel-corset. No. 1,213,658; Jan. 23; v. 234; p. 1234.
- Kops, Daniel, New York, N. Y. Apparel-corset. No. 1,214,180; Jan. 30; v. 234; p. 1441.
- Kops, Daniel, New York, N. Y. Apparel-corset. No. 1,215,287; Feb. 6; v. 235; p. 280.
- Kops, Daniel, New York, N. Y. Apparel-corset. No. 1,215,550; Feb. 13; v. 235; p. 408.
- Kops, Daniel, New York, N. Y. Bust-supporter. No. 1,233,250; July 10; v. 240; p. 597.
- Kops, Daniel, New York, N. Y. Apparel-corset. No. 1,233,251; July 10; v. 240; p. 597.
- Kops, Daniel, New York, N. Y. Apparel-corset. No. 1,234,549; July 24; v. 240; p. 1091.
- Kops, Daniel, New York, N. Y. Apparel-corset. No. 1,241,400; Sept. 25; v. 242; p. 943.
- Kops, Waldemar, assignor to Kops Brothers, New York, N. Y. Brassière. No. 1,237,059; Aug. 14; v. 241; p. 527.
- Kops, Waldemar, assignor to Kops Brothers, New York, N. Y. Brassière. No. 1,237,060; Aug. 14; v. 241; p. 527.
- Korber, Hermann. (See Condé, Max, assignor.)
- Kordina, Felix F., Lebanon, Ore. Comb-cleaner. No. 1,228,221; May 29; v. 238; p. 1556.
- Koren, Harald, Cleveland, Ohio. Display apparatus. No. 1,226,676; May 22; v. 238; p. 1007.
- Koren Manufacturing Company. (See Woods, Edward D., assignor.)

- Koressios, Theodore N. C., London, England. Auxiliary air-admission device. No. 1,238,691; Aug. 28; v. 241; p. 1117.
- Korff, Francis. (See Joy and Korff.)
- Korff Mfg. Co. (See Joy and Korff, assignors.)
- Korfhage, Herman C., New Albany, Ind. Clock. No. 1,219,749; Mar. 20; v. 236; p. 713.
- Korfitsen, August, Brooklyn, N. Y. Gas-heating attachment. No. 1,232,049; July 3; v. 240; p. 174.
- Korn, Eugene, San Francisco, Cal. Crease-retaining device for hats. No. 1,230,307; June 19; v. 239; p. 733.
- Korn, Henry, Chicago, Ill. Distributor for gravity conveyor systems. No. 1,224,472; May 1; v. 238; p. 129.
- Kornbau, Kennard, New Dorp, N. Y. Fitting for electroliers. No. 1,244,615; Oct. 30; v. 243; p. 1124.
- Kornstein, Ulrich, *et al.* (See Bell, Albert C., assignor.)
- Kornstein, Ulrich, Chicago, Ill. Hair-drying comb. No. 1,248,674; Dec. 4; v. 245; p. 73.
- Kors, Charles H., Poughkeepsie, N. Y. Box. No. 1,232,935; July 10; v. 240; p. 497.
- Kors, Charles H., Poughkeepsie, N. Y. Covered receptacle. No. 1,232,936; July 10; v. 240; p. 497.
- Kortas, Bernard, Chicago, Ill. Pipe-coupling nut. No. 1,244,100; Oct. 23; v. 243; p. 931.
- Korte, Christian, assignor of two-thirds to Cambells and Hunter Limited, Leeds, England. Briquetting-machine. No. 1,242,704; Oct. 9; v. 243; p. 434.
- Korten, Benjamin F., Portland, Oreg. Sanitary cuspidor. No. 1,231,385; June 26; v. 239; p. 1132.
- Korthals-Altes, Willem C., Schenectady, N. Y., assignor to General Electric Company. Alternating-current motor. No. 1,219,952; Mar. 20; v. 236; p. 785.
- Körting, Alfons, Berlin-Südende, Germany. Preparing a molding-powder from coal or lignite. No. 1,217,961; Mar. 6; v. 236; p. 26.
- Kortz, Conrad J., Cleveland, Ohio. Combined bill-file and mailing-card. No. 1,217,962; Mar. 6; v. 236; p. 26.
- Korzeniewski, Czeslaw, and S. Chojnacki, Cleveland, Ohio. Liquid-fuel stove or burner. No. 1,232,693; July 10; v. 240; p. 416.
- Korzeniewski, John, Toledo, Ohio. Balloon. No. 1,225,139; May 8; v. 238; p. 409.
- Kosack, John E. (See Novotny, James, assignor.)
- Koschade, Theophil, North Adelaide, South Australia, Australia. Burglar-alarm. No. 1,219,957; Mar. 20; v. 236; p. 787.
- Kosel, Henry G., New York, N. Y. Smoke-preventer. No. 1,227,057; May 22; v. 238; p. 1138.
- Koser, Chester A., Lake Wilson, Minn. Horseshoe. No. 1,211,454; Jan. 9; v. 234; p. 403.
- Koshollek, Paul F., Stevens Point, Wis. Motor-vehicle. No. 1,245,158; Nov. 6; v. 244; p. 5.
- Kosin, Nathan, Detroit, Mich. Orange-peeler. No. 1,231,913; July 3; v. 240; p. 127.
- Kosinski, Walter A., Chicago, Ill. Slag-removing mechanism for open-hearth furnaces. No. 1,238,526; Aug. 28; v. 241; p. 1068.
- Kositzy, Carl, Bismarck, N. D. Fastening device. No. 1,218,189; Mar. 6; v. 236; p. 105.
- Kosmin, Vasily, New York, N. Y. Shoe-shining machine. No. 1,211,717; Jan. 9; v. 234; p. 490.
- Kossina, Alois, St. Louis, Mo. Carburetor feed attachment. No. 1,220,757; Mar. 27; v. 236; p. 1103.
- Kossmann, Max, Brooklyn, N. Y. Lamp-shade holder. No. 1,216,818; Feb. 20; v. 235; p. 910.
- Kossov, Louis, New York, N. Y. Electric cut-out box. No. 1,219,468; Mar. 20; v. 236; p. 616.
- Kost, Joseph L., assignor of one-half to J. H. Shively, Galveston, Tex. Mail-handling device. No. 1,239,492; Sept. 11; v. 242; p. 274.
- Kost, Victor, Chicago, assignor, by mesne assignments, to J. O'Keefe, Highland Park, Ill. Combined collar-button and necktie-slide. No. 1,235,982; Aug. 7; v. 241; p. 148.
- Koster, George F., White Plains, and H. D. MacIntyre, Brooklyn, N. Y. Scrubbing-machine. No. 1,211,948; Jan. 9; v. 234; p. 577.
- Koster, Henry A., San Francisco, Cal. Detachable spout for barrels. No. 1,248,136; Nov. 27; v. 244; p. 977.
- Koster, Reginald J., Philadelphia, Pa. Antifriction-bearing. No. 1,220,345; Mar. 27; v. 236; p. 962.
- Kotek, Charles F., Chicago, Ill. Nethergarment. No. 1,236,720; Aug. 14; v. 241; p. 418.
- Kothe, Richard. (See Heymann, Kothe, Dressel, and Ossenbeck.)
- Kothny, Gottfrank L., and R. Suezek, assignors to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Automatic ejector control. No. 1,240,858; Sept. 25; v. 242; p. 773.
- Kottemann, Otto A., St. Louis, Mo., assignor of forty-nine one-hundredths to E. A. Holz, C. L. Case, J. C. Holz, and H. Jones, Tire. No. 1,233,277; July 10; v. 240; p. 605.
- Kotter, Theodore F., R. V. Colton, New York, and S. H. Schwerin, Brooklyn, assignors to Vernart Manufacturing Corporation, New York, N. Y. Ornamenting surfaces. No. 1,211,455; Jan. 9; v. 234; p. 403.
- Kottus, Tam, Cleveland, Ohio. Folding chair for tables or the like. No. 1,227,803; May 29; v. 238; p. 1417.
- Kotzich, Frank J., and T. M. Reimers, assignors of one-third to A. E. Taussig, Chicago, Ill. Shade-fixture. No. 1,237,656; Aug. 21; v. 241; p. 755.
- Kouyoumjian, Haroutiun K., assignor to The Kemco Electric Manufacturing Company, Cleveland, Ohio. Electric fan and generator. No. 1,219,562; Mar. 20; v. 236; p. 650.
- Kouyoumjian, Haroutiun K., assignor to The Kemco Electric Manufacturing Company, Cleveland, Ohio. Motor-vehicle construction. No. 1,219,563; Mar. 20; v. 236; p. 650.
- Kouyoumjian, Haroutiun K., assignor to The Kemco Electric Manufacturing Company, Cleveland, Ohio. Electric generator. No. 1,219,564; Mar. 20; v. 236; p. 651.
- Kouyoumjian, Haroutiun K., assignor to The Kemco Electric Manufacturing Company, Cleveland, Ohio. Commutator construction. No. 1,219,565; Mar. 20; v. 236; p. 651.
- Kovacs, Alexander, Harvey, assignor to W. L. Voss, Cook county, and M. Salon, Harvey, Ill. Shade and curtain fixture. No. 1,218,280; Mar. 6; v. 236; p. 138.
- Kovács, Joseph, Fords, N. J. Aerial bomb. No. 1,218,871; Mar. 13; v. 236; p. 383.
- Kovsky, Philip. (See Heldrich, Andrew, assignor.)
- Kowalski, Franciszek, Philadelphia, Pa. Propeller. No. 1,228,787; June 5; v. 239; p. 141.
- Kowatch, Ambrose, New York, N. Y. Producing blasting charges in which liquid air is used. No. 1,219,645; Mar. 20; v. 236; p. 678.
- Kowinsky, Max, New York, N. Y. Tooth-brush. No. 1,248,675; Dec. 4; v. 245; p. 73.
- Kozik, Frank J., Easthampton, Mass. Automatic flushing device. No. 1,213,886; Jan. 30; v. 234; p. 1342.
- Koziol, Charles. (See Koziol, Joseph M., assignor.)
- Koziol, Joseph M., Herman, assignor to C. Koziol, Columbus, Nebr. Husking-hook. No. 1,248,500; Dec. 4; v. 245; p. 21.
- Kozlowski, Wladyslaw, Warsaw, Russia. Automatic stop-motion for yarn-spinning machines. No. 1,211,178; Jan. 2; v. 234; p. 275.
- Kraemer, Emil. (See Schuler and Kraemer.)
- Kraemer, Emil, and G. Schuler, Woodside, N. Y. Shade-roller. No. 1,225,338; May 8; v. 238; p. 478.
- Kraemer, Emil, and G. Schuler, Woodside, N. Y. Adjustable window-screen. No. 1,233,884; July 17; v. 240; p. 840.
- Kraemer, Frank, assignor to Pan-American Electric Tool Company, Milwaukee, Wis. Pressure-riveter. No. 1,232,050; July 3; v. 240; p. 174.
- Kraemer, Paul, Jersey City, N. J. Floating bicycle. No. 1,224,653; May 1; v. 238; p. 191.
- Kraemer, Thomas. (See Sheble and Kraemer.)
- Kraemer, Thomas, Philadelphia, Pa. Talking-machine. No. 1,223,889; Apr. 24; v. 237; p. 1113.
- Kraepelin, Edward O., Botsford, Conn. Collapsible egg-carrier. No. 1,243,075; Oct. 16; v. 243; p. 588.
- Kraetsch, Paul H., Astoria, Oreg. Post-card tray. No. 1,211,179; Jan. 2; v. 234; p. 275.
- Kraft, Frederick, Highwood Park, N. J. Brake for phonographs. No. 1,214,181; Jan. 30; v. 234; p. 1441.
- Kraft, Henry P. (See Schweinert and Kraft.)
- Kraft, Henry P., Ridgewood, N. J. Spreader. No. 1,245,110; Oct. 30; v. 243; p. 1274.
- Kraft, Henry P., Ridgewood, N. J. Dust-cap for tire-valves. No. 1,245,927; Nov. 6; v. 244; p. 237.
- Kraft, Henry P., Ridgewood, and M. C. Schweinert, West Hoboken, N. J. Pressure-gage. No. 1,221,548; Apr. 3; v. 237; p. 192.
- Krager, Alexander, Tuckerton, N. J. Rail-joint. No. 1,233,585; July 17; v. 240; p. 745.
- Krakau, Harry T., assignor to The National Malleable Castings Company, Cleveland, Ohio. Radial draft-gear. No. 1,231,619; July 3; v. 240; p. 26.
- Krakauer, Phillip, New York, N. Y. Spring-pad. No. 1,247,970; Nov. 27; v. 244; p. 932.
- Krakauer, Phillip, New York, N. Y. Spring-pad and making same. No. 1,247,971; Nov. 27; v. 244; p. 932.
- Krake, Lewis W., Bonduel, Wis. Track-gage. No. 1,211,180; Jan. 2; v. 234; p. 275.
- Kraker Pen Co. (See Craig, Harvey G., assignor.)
- Kralund, John, Brooklyn, N. Y., assignor to Doehler Die Casting Company, Making commercial castings. No. 1,238,789; Sept. 4; v. 242; p. 21.
- Kramer, Allington H., Aurora, Colo. Beet-topper. No. 1,235,490; July 31; v. 240; p. 1411.
- Kramer, Andrew A., Kansas City, Mo. Metal bin. No. 1,220,240; Mar. 27; v. 236; p. 923.
- Kramer, Andrew A., Kansas City, Kans. Window-frame. No. 1,226,776; May 22; v. 238; p. 1042.
- Kramer, Andrew A., Kansas City, Kans. Sheet-metal building. No. 1,229,477; June 12; v. 239; p. 421.
- Kramer, Andrew A., Kansas City, Kans. Sheet-metal building. No. 1,229,478; June 12; v. 239; p. 421.
- Kramer, Benjamin G., assignor to Kramer Vacuum Brake Company, Anderson, Ind. Valve construction. No. 1,213,111; Jan. 16; v. 234; p. 1012.
- Kramer, Benjamin G., Anderson, Ind. Rapid winder for violins, &c. No. 1,249,775; Dec. 11; v. 245; p. 420.
- Krämer, Bernhard, Charlottenburg, Germany, assignor to General Electric Company. Scavenging-pump for internal-combustion engines. No. 1,216,235; Feb. 13; v. 235; p. 655.
- Krämer, Bernhard, Charlottenburg, Germany, assignor to General Electric Company. Means for cooling the pistons of internal-combustion engines. No. 1,251,387; Dec. 25; v. 245; p. 985.

Alphabetical list of patentees—Continued.

- Kramer, Charles A., Curran, Ill. Tool for use by paper hangers. No. 1,218,670; Mar. 13; v. 236; p. 305.
- Krämer, Christian, Berlin, Germany, assignor to General Electric Company. Motor arc-lamp. No. 1,233,883; July 17; v. 240; p. 839.
- Kramer, Elizabeth, *et al.* (See Light, Claus H., assignor.)
- Kramer, Emil M., Morton, Ill. Carbureter. No. 1,231,175; June 26; v. 239; p. 1063.
- Kramer, Eric B., Brooklyn, and C. Hammer, New York, assignors to American Metal Cap Co., Brooklyn, N. Y. Vacuum-sealing machine. No. 1,244,508; Oct. 30; v. 243; p. 1091.
- Kramer, Henry A., Detroit, Mich. Decorating device. No. 1,246,283; Nov. 13; v. 244; p. 371.
- Kramer, James, assignor of one-fifth to C. N. Puckett and one-fifth to C. M. Trephagen, Los Angeles, Cal. Starter for automobile-engines. No. 1,249,971; Dec. 11; v. 245; p. 477.
- Kramer, Joseph, New York, N. Y. Clothes-drier. No. 1,214,182; Jan. 30; v. 234; p. 1442.
- Kramer, Leonard, assignor to Norton Iron Works, Ashland, Ky. Wire-measuring device. No. 1,222,957; Apr. 17; v. 237; p. 756.
- Kramer, Louis A., Chicago, Ill. Hog dehairing and scraping machine. No. 1,249,776; Dec. 11; v. 245; p. 421.
- Kramer Vacuum Brake Company. (See Kramer, Benjamin G., assignor.)
- Kranjec, Andrew, Lowell, Ariz. Rail-joint. No. 1,248,342; Nov. 27; v. 244; p. 1036.
- Krantz, Edward, Chicago, Ill. Suction-sweeper. No. 1,237,793; Aug. 21; v. 241; p. 797.
- Krantz, Hansene *et al.* (See Miller, John, assignor.)
- Krantz, Hermann, Aachen, Germany. Process and apparatus for papering pressed cloth or the like. No. 1,235,814; Aug. 7; v. 241; p. 93.
- Krantz, Hubert F., Brooklyn, N. Y. Corner-iron. No. 1,248,343; Nov. 27; v. 244; p. 1036.
- Krantz, Hubert F., Brooklyn, N. Y. Switchboard. No. 1,248,415; Nov. 27; v. 244; p. 1056.
- Krantz, Hubert F., Brooklyn, N. Y. Self-actuating safety-panel. No. 1,248,431; Nov. 27; v. 244; p. 1060.
- Krantz, Hubert F., Brooklyn, N. Y. Electrical switch instrumentality. No. 1,250,324; Dec. 18; v. 245; p. 620.
- Krantz, Neis, *et al.* (See Miller, John, assignor.)
- Kranyak, Steven J., Duluth, Minn. Circuit-closer for fire-alarms. No. 1,220,646; Mar. 27; v. 236; p. 1066.
- Krapf, Frederick W., Jr., assignor of one-half to W. F. Wilken, Chicago, Ill. Christmas-tree holder. No. 1,241,127; Sept. 25; v. 242; p. 855.
- Krapup, Christian, Santa Cruz, Cal., assignor to Santa Cruz Portland Cement Company. Packing pulverulent materials in receptacles. No. 1,218,416; Mar. 6; v. 236; p. 183.
- Krasa, Albert, Michigan City, Ind. Transmission for sewing-machines and the like. No. 1,224,473; May 1; v. 238; p. 130.
- Krasnodemski, John, assignor of five one-hundredths to J. Gorski, Wausau, Wis. Combined sword and pistol. No. 1,238,527; Aug. 28; v. 241; p. 1069.
- Krasselt, William A. (See Gillen, Frederick C., assignor.)
- Kratz, Franz, assignor to Firm of R. Bosch, Stuttgart, Germany. Electrical connecting device. No. 1,214,183; Jan. 30; v. 234; p. 1442.
- Kratz, Franz, assignor to Firm of R. Bosch, Stuttgart, Germany. Electrical condenser for ignition-current generators. No. 1,221,998; Apr. 10; v. 237; p. 380.
- Kratz, Franz, assignor to Firm of R. Bosch, Stuttgart, Germany. Electromagnetic switch. No. 1,231,271; June 26; v. 239; p. 1094.
- Kratz, Oscar A., Hillsdale, Oreg. Tatting-shuttle. No. 1,213,214; Jan. 23; v. 234; p. 1080.
- Kraule, Ernest, South Cle Elum, Wash. Calipers. No. 1,245,148; Oct. 30; v. 243; p. 1285.
- Krauleides, Martin. (See Wagner, John, assignor.)
- Kraus, Albert L., assignor to Kraus, Millett & Company, Peabody, Mass. Buffing-wheel. No. 1,238,925; Sept. 4; v. 242; p. 65.
- Kraus & Co. (See Dealham, Samuel, Jr., assignor.)
- Kraus, David. (See Montague, Harold E., assignor.)
- Kraus Engine Company. (See Kraus, Otto, assignor.)
- Kraus, Jacob F., Pittsburgh, Pa. Oil-burner. No. 1,230,725; June 19; v. 239; p. 871.
- Kraus, Jakob, Brunswick, Germany. Electrostatic separator for inflammable materials. No. 1,222,305; Apr. 10; v. 237; p. 487.
- Kraus, Julius C., New York, N. Y. Bird-bath. No. 1,224,305; May 1; v. 238; p. 68.
- Kraus, Millett & Company. (See Kraus, Albert L., assignor.)
- Kraus, Otto, assignor to Kraus Engine Company, New York, N. Y. Apparatus for the production of working fluids. No. 1,227,275; May 22; v. 238; p. 1212.
- Krausch, Walter T., La Grange, and E. F. Weber, Chicago, Ill. Rail-drilling car. No. 1,243,187; Oct. 16; v. 243; p. 620.
- Krausch, Walter T., La Grange, and E. F. Weber, Chicago, Ill. Track-laying car. No. 1,243,188; Oct. 16; v. 243; p. 621.
- Krausch, Walter T., La Grange, and E. F. Weber, Chicago, Ill. Tie-sawing car. No. 1,243,189; Oct. 16; v. 243; p. 621.
- Krausch, Walter T., La Grange, Ill., and E. F. Weber, Creston, Iowa. Track-laying car. No. 1,248,676; Dec. 4; v. 245; p. 73.
- Krause, August E., Phillipsburg, Kans. Friction-clutch for pulleys. No. 1,210,660; Jan. 2; v. 234; p. 99.
- Krause, Elizabeth H., Portland, Oreg. Cork-puller. No. 1,230,726; June 19; v. 239; p. 871.
- Krause, Ernst, Steglitz, near Berlin, and H. Blücher, Leipzig-Gohlis, Germany. Making plastic masses. No. 1,238,528; Aug. 28; v. 241; p. 1069.
- Krause, Franz, Connellsville, Pa. Cutting-machine. No. 1,220,518; Mar. 27; v. 236; p. 1022.
- Krause, Georg A., Munich, Germany. Method of and apparatus for vaporizing, concentrating, or drying solutions. No. 1,213,659; Jan. 23; v. 234; p. 1234.
- Krause, Georg A., Munich, Germany. Vaporizing or concentrating liquids, solutions, emulsions, suspensions, and like substances. No. 1,213,887; Jan. 30; v. 234; p. 1342.
- Krause, William P., Chicago, Ill. Jolter for molds. No. 1,228,788; June 5; v. 239; p. 141.
- Kraushaar, George J., Cleveland, Ohio. Baker's peel. No. 1,216,703; Feb. 20; v. 235; p. 870.
- Krauskopf, George H., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Support for armature cross-connectors. No. 1,229,759; June 12; v. 239; p. 515.
- Krauss, Constantin, Cologne-Braunsfeld, and P. Stähelin, Knapsack, near Cologne, Germany. Apparatus for the production of nitrogen compounds. No. 1,211,181; Jan. 2; v. 234; p. 276.
- Krauss, Constantin, Cologne-Braunsfeld, and P. Stähelin, Knapsack, near Cologne, Germany. Preparing nitrogen compounds. No. 1,212,504; Jan. 16; v. 234; p. 799.
- Kraut, Charles F., Baltimore, Md. Safety-valve. No. 1,217,316; Feb. 27; v. 235; p. 1123.
- Kraut, Henry, Summit, N. J. Non-refillable bottle. No. 1,214,324; Jan. 30; v. 234; p. 1495.
- Krauth, Albert, Hamilton, Ohio. Manifold device. No. 1,212,509; Jan. 16; v. 234; p. 801.
- Krauth, Albert, Hamilton, Ohio. Manifold apparatus. No. 1,225,140; May 8; v. 238; p. 409.
- Krauth, Albert, assignor to Krauth & Benninghofen, Hamilton, Ohio. Numbering mechanism. No. 1,222,306; Apr. 10; v. 237; p. 487.
- Krauth & Benninghofen. (See Krauth, Albert, assignor.)
- Kravitz, Max, Philadelphia, Pa. Gas-burner. No. 1,212,510; Jan. 16; v. 234; p. 801.
- Krbavac, Gabriel, Avery, Iowa. Knockdown box. No. 1,222,416; Apr. 10; v. 237; p. 528.
- Kreamer, Joseph F., *et al.* (See Grove, Edward H., assignor.)
- Krebs, Charles H., assignor to Everburn Heater Company, Milwaukee, Wis. Car-heater. No. 1,213,503; Jan. 23; v. 234; p. 1181.
- Krebs, George G., Atlantic City, N. J. Flame-covering device. No. 1,233,795; July 17; v. 240; p. 811.
- Krebs, Oliver M., Memphis, assignor to The Wheland Company, Chattanooga, Tenn. Drag-offset for saw-mill-carriages. No. 1,248,432; Nov. 27; v. 244; p. 1061.
- Kreczkowski, Michael, New York, N. Y. Extension-table. No. 1,215,551; Feb. 13; v. 235; p. 408.
- Kregling, Adolph, Bridgeport, Conn. Mechanical movement. No. 1,249,423; Dec. 11; v. 245; p. 317.
- Kreher, Ernest, Tampa, Fla. Sign. No. 1,222,417; Apr. 10; v. 237; p. 528.
- Kreher, Ernest, Tampa, Fla. Sign-applying tool. No. 1,222,418; Apr. 10; v. 237; p. 529.
- Kreher, Robert E., Collinsville, Ill., assignor to St. Louis Smelting & Refining Company, St. Louis, Mo. Making lead-sulfate pigment. No. 1,248,501; Dec. 4; v. 245; p. 21.
- Kreidl, Ignaz, Vienna, Austria. Separating thorium from soda solutions containing thorium oxalate. No. 1,232,334; July 3; v. 240; p. 267.
- Kreis, Emil J., Mendota, Ill. Reinforcing device for pneumatic tires. No. 1,229,096; June 5; v. 239; p. 242.
- Kreiter, Richard F., Houston, Tex. Insect-guard. No. 1,221,999; Apr. 10; v. 237; p. 381.
- Krekel, Henry G. (See Dennis, Alfred A., assignor.)
- Krekel, Albert J., assignor to J. L. McDonnell, Spokane, Wash. Bottle holder and lock. No. 1,250,191; Dec. 18; v. 245; p. 580.
- Krell, Bernard M. and M. Zuckerman, New York, N. Y. Felling device for sewing-machines. No. 1,241,739; Oct. 2; v. 243; p. 87.
- Krell, William H., Chicago, Ill. Pencil. No. 1,245,739; Nov. 6; v. 244; p. 180.
- Krementz & Co. (See Underwood, Earl, assignor.)
- Krementz, Frank J., assignor to Frank Krementz Company, Newark, N. J. Pivoted bridge-spring for eyeglasses. No. 1,214,184; Jan. 30; v. 234; p. 1443.
- Kremer, Adolph, New York, N. Y. Screw-driver. No. 1,230,173; June 19; v. 239; p. 869.
- Kremer, Franklin W., Carlstadt, N. J. Tire-shoe-making machine. No. 1,216,329; Feb. 20; v. 235; p. 739.
- Kremer, Franklin W., Carlstadt, N. J. Tire-machine. No. 1,230,415; June 19; v. 239; p. 767.
- Kremer, Franklin W., Carlstadt, N. J. Tire-making machine. No. 1,243,076; Oct. 16; v. 243; p. 588.
- Kromer, Franklin W., Carlstadt, N. J. Producing tires. No. 1,248,871; Dec. 4; v. 245; p. 132.

- Kremers, John G., Milwaukee, Wis. Making barium oxid. No. 1,243,190; Oct. 16; v. 243; p. 622.
- Krentner, Walter J., Chicago, Ill. Printing-press-controlling device. No. 1,231,747; July 3; v. 240; p. 72.
- Krenz, Fred J., Bloomer, Wis. Potato-vine lifter for cultivators. No. 1,224,554; May 1; v. 238; p. 158.
- Krenz, Rudolph, assignor to The Russell Manufacturing Company, Middletown, Conn. Shuttle motion and carrier. No. 1,231,536; June 26; v. 239; p. 1180.
- Krenzier, Emil, Barmen, Germany. Lace-braiding machine. No. 1,226,223; May 15; v. 238; p. 819.
- Kress, Carl F., Jr., Wilkinsburg, Pa. Securing device for mats. No. 1,236,946; Aug. 14; v. 241; p. 430.
- Kress, John J., Davenport, Iowa. Folding voting-booth. No. 1,246,614; Nov. 13; v. 244; p. 472.
- Kress, Willits A., Coffeyville, Kans. Auto device. No. 1,211,597; Jan. 9; v. 234; p. 451.
- Kresse, Ernest R., Brooklyn, N. Y. Belt-shifting device. No. 1,222,216; Apr. 10; v. 237; p. 456.
- Kressel, Edward C. L., Camden, N. J. Fertilizer and making same. No. 1,225,825; May 15; v. 238; p. 684.
- Kreth, Ernest. (See Lorenz, William, assignor.)
- Kretner, John H., Brooklyn, N. Y. Preparing bread-dough. No. 1,235,330; July 31; v. 240; p. 1365.
- Kretz, Adolph, *et al.* (See Bell, Albert C., assignor.)
- Kretzer, Heinrich, Wallersheim, near Coblenz, and A. Cappel, Coblenz, Germany; said Cappel assignor to said Kretzer. Producing well-clouded enamels or glazes by means of substitutes for stannic oxid. No. 1,239,112; Sept. 4; v. 242; p. 126.
- Kretzschmar, George W., Passaic, N. J. Bobbin-holder. No. 1,233,064; July 10; v. 240; p. 537.
- Kreuter, Louis, Los Angeles, Cal. Combination dressing-table and chiffonier. No. 1,229,196; June 5; v. 239; p. 276.
- Kreutzberg Meter Company. (See Kreutzberg, Otto A., assignor.)
- Kreutzberg, Otto A., Lake Bluff, assignor to Kreutzberg Meter Company, Chicago, Ill. Volumetric meter. No. 1,224,654; May 1; v. 238; p. 191.
- Kreutzmann, Herbert H., Hillsboro, Wis. Composition for making dental impressions. No. 1,222,773; Apr. 17; v. 237; p. 694.
- Kreuzer, Charles P., *et al.* (See Prachar, John, assignor.)
- Kreuzkamp, August J. (See Lowy and Kreuzkamp.)
- Krezolek, Ludwik, Cleveland, Ohio. Resilient wheel. No. 1,247,283; Nov. 20; v. 244; p. 701.
- Kribs, Gordon. (See Rothwell and Kribs.)
- Kribs, Nicolas, Dundee, Ill. Battery. No. 1,238,529; Aug. 28; v. 241; p. 1069.
- Krich, Harry. (See Golaszky, Philip, assignor.)
- Kricke, Herman A., Crows Landing, Cal. Teat-cup. No. 1,231,748; July 3; v. 240; p. 72.
- Krider, Clement V. (See Madole and Krider.)
- Krieg, Conrad, Brooklyn, assignor to Neptune Meter Company, New York, N. Y. Water-meter. No. 1,245,740; Nov. 6; v. 244; p. 181.
- Krieger, Arthur H., assignor to Kieselguhr Company of America, Los Angeles, Cal. Composition for purifying liquids. No. 1,212,648; Jan. 16; v. 234; p. 851.
- Krieger, Arthur H., assignor to Kieselguhr Co. of America, Los Angeles, Cal. Kieselguhr filler and preparing it. No. 1,214,185; Jan. 30; v. 234; p. 1443.
- Krieger, Emil. (See Krieger, Gustave and E.)
- Krieger, Georg F., Grand Rapids, Wis. Carpenter's work-support. No. 1,243,532; Oct. 16; v. 243; p. 722.
- Krieger, Gustave and E., Brooklyn, N. Y. Shoe. No. 1,217,463; Feb. 27; v. 235; p. 1175.
- Krieger, William, Elmhurst, and M. Mott, Moscow, Pa. Automatic damper. No. 1,220,432; Mar. 27; v. 236; p. 992.
- Krieghoff, Anton, assignor to Anton Krieghoff Company, Boston, Mass. Piano. No. 1,239,113; Sept. 4; v. 242; p. 127.
- Kriegsheim, Heinrich, assignor to The Permutit Company, U. S. A., New York, N. Y. Treating boiler-water. No. 1,235,815; Aug. 7; v. 241; p. 94.
- Kriegsheim, Heinrich, assignor to The Permutit Company, New York, N. Y. Purifying boiler-water. No. 1,243,191; Oct. 16; v. 243; p. 622.
- Krienitz, Frank H., McFarland, Kans. Internal-combustion engine. No. 1,223,701; Apr. 24; v. 237; p. 1048.
- Krienitz, Frank H., McFarland, Kans. Internal-combustion engine. No. 1,238,024; Aug. 21; v. 241; p. 871.
- Krier, Paul E. (See Gardner and Krier.)
- Kries, Lawrence E., assignor to C. M. Marshall, trustee, Baltimore, Md. Electric switch and fuse box. No. 1,224,880; May 1; v. 238; p. 270.
- Kries, Lawrence E., assignor to C. M. Marshall, trustee, Baltimore, Md. Electric switch and fuse box. No. 1,224,881; May 1; v. 238; p. 271.
- Kriesel, Gustave F., assignor to C. A. Rickert, Minneapolis, Minn. Machine for forming wire-fence stays. No. 1,228,031; May 29; v. 238; p. 1495.
- Krikorian, Mardiros A., New York, N. Y. Rotary engine. No. 1,212,649; Jan. 16; v. 234; p. 851.
- Krill, Edward P., St. Louis, Mo. Internal-combustion engine. No. 1,221,337; Apr. 3; v. 237; p. 118.
- Krippendorf Calculator Company. (See Krippendorf, Paul F. W. C., assignor.)
- Krippendorf, Paul F. W. C., Lynn, Mass., assignor to Krippendorf Calculator Company, Portland, Me. Calculating apparatus. No. 1,212,231; Jan. 16; v. 234; p. 701.
- Krisberg, Abraham, Muscatine, Iowa. Attachment for shoe-stitching machines. No. 1,243,953; Oct. 23; v. 243; p. 888.
- Kristiansen, Karl O., New York, N. Y. Tool for nailing parquet floors. No. 1,241,996; Oct. 2; v. 243; p. 168.
- Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Scoop. No. 1,228,373; May 29; v. 238; p. 1606.
- Kristofek, Frank J., St. Paul, Minn. Bottle-cap remover. No. 1,233,483; July 17; v. 240; p. 710.
- Kristufek, Ladislav F., assignor to General Briquetting Company, Chicago, Ill. Press or impact apparatus. No. 1,230,492; June 19; v. 239; p. 794.
- Kritzer, Thomas H. (See Kidd, Irvin A., assignor.)
- Kritzer, Thomas H., Spencer, N. C. Gasolene-gage. No. 1,233,065; July 10; v. 240; p. 537.
- Krivohiany, Louis J., Mason City, Iowa. Torpedo. No. 1,217,016; Feb. 20; v. 235; p. 976.
- Krizan, Joseph, Jr., Groom, Tex. Automatic flame-regulator. No. 1,240,982; Sept. 25; v. 242; p. 812.
- Kroedel, Robert, assignor to Eastman Kodak Company, Rochester, N. Y. Spool-holder for film-cameras. No. 1,227,276; May 22; v. 238; p. 1212.
- Kroedel, Robert, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic developing apparatus. No. 1,237,657; Aug. 21; v. 241; p. 755.
- Kroedel, Robert, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic camera. No. 1,239,017; Sept. 4; v. 242; p. 96.
- Kroedel, Robert, assignor to Eastman Kodak Company, Rochester, N. Y. Roll-film-developing apparatus. No. 1,251,052; Dec. 25; v. 245; p. 887.
- Kroegel, Charles, assignor of one-third to R. E. Wainright, Oakland, Cal. Fire trap-door. No. 1,238,692; Aug. 28; v. 241; p. 1118.
- Kroeger Piano Company. (See Parsons, George H., assignor.)
- Kroehler, Peter E. (See Seng, Wendelin P., assignor.)
- Kroehler, Peter E., Naperville, Ill. Table-bed. No. 1,216,704; Feb. 20; v. 235; p. 870.
- Kroemer, Herman. (See Schramm, Joseph J., assignor.)
- Kroemer, Herman, St. Louis, Mo. Clencher-rim. No. 1,246,115; Nov. 13; v. 244; p. 320.
- Kroeter, Adolph, East St. Louis, Ill. Automobile propelling and controlling mechanism. No. 1,246,116; Nov. 13; v. 244; p. 320.
- Krogl, Ernest. (See Schlichtinger and Krogl.)
- Krogl, Gustave. (See Wellen, Frank, assignor.)
- Kroger, Fred H., Brooklyn, N. Y., assignor to S. M. Kintner and H. M. Barrett, receivers, Pittsburgh, Pa. Circuit-breaker. No. 1,239,114; Sept. 4; v. 242; p. 127.
- Krogh, Bernhard J., Cambridge, Wis. Water-motor. No. 1,215,386; Feb. 13; v. 235; p. 349.
- Krogh, Ferdinand W., San Francisco, Cal. Thrust-bearing. No. 1,243,429; Oct. 16; v. 243; p. 692.
- Krohn, Charles C., Hartford, Conn. Means for securing paper-rolls to a roll-shaft. No. 1,244,865; Oct. 30; v. 243; p. 1200.
- Krohn, Dewey S., Simpson, Mont. Motor-driven sled. No. 1,243,612; Oct. 16; v. 243; p. 747.
- Krohn, Gustave A., Coarsegold, Cal. Ignition device for internal-combustion engines. No. 1,226,083; May 15; v. 238; p. 772.
- Krohn, Julius J., Arcata, and F. J. Davis, Oakland, Cal. Barrel-heading-saw mechanism. No. 1,229,760; June 12; v. 239; p. 516.
- Krohn, Nels. (See Hamm, Legge, and Krohn.)
- Kroll, Nathan J., Brooklyn, N. Y. Combination sleeper-carriage and go-cart. No. 1,217,017; Feb. 20; v. 235; p. 976.
- Kromdyk, William, Jr. (See Douglass, Samuel, assignor.)
- Kron, Rudolf, Thalheim, Erzgebirge, Germany. Machine for making a weavable paper stripe. No. 1,219,958; Mar. 20; v. 236; p. 787.
- Kronauer, Charles. (See Hodges, Frank W., assignor.)
- Krone, Carl R., Oakland, Cal. Indicator for vehicles. No. 1,222,000; Apr. 10; v. 237; p. 381.
- Krone, Carl R., Oakland, Cal. Indicator. No. 1,246,615; Nov. 13; v. 244; p. 472.
- Kronenberger, Ferdinand, Brooklyn, N. Y., assignor to F. B. Clark, Englewood, N. J. Egg-carrier. No. 1,225,141; May 8; v. 238; p. 409.
- Kronenberger, Ferdinand, Brooklyn, N. Y., assignor to F. B. Clark, Englewood, N. J. Egg-carrier. No. 1,225,142; May 8; v. 238; p. 410.
- Kronenberger, Ferdinand, Brooklyn, N. Y., assignor to F. B. Clark, Englewood, N. J. Egg-carrier. No. 1,237,345; Aug. 21; v. 241; p. 655.
- Kronenberger, Jacob, New York, N. Y. Garment-supporter. No. 1,228,118; May 29; v. 238; p. 1524.
- Kroner, Andy, Monessen, Pa. Folding crate. No. 1,238,025; Aug. 21; v. 241; p. 871.
- Kronlund, Theodore F., assignor of one-half to G. Wuest, Tacoma, Wash. Mattress. No. 1,238,302; Aug. 28; v. 241; p. 996.
- Kronquest, Alfred L., Chicago, Ill., assignor to Continental Can Company, Inc., Syracuse, N. Y. Coating-machine. No. 1,225,649; May 8; v. 238; p. 581.
- Kronser, John, Appleton, Wis. Mold for making pig-troughs. No. 1,225,650; May 8; v. 238; p. 581.
- Krook, John L. L., Proctor, Vt. Machine for cutting sheet metal. No. 1,226,536; May 15; v. 238; p. 923.

Alphabetical list of patentees—Continued.

- Kropp, August, Bryan, Tex. Key-ring holder. No. 1,212,511; Jan. 16; v. 234; p. 801.
- Kroseng, Axel E., Brooklyn, N. Y. Receptacle. No. 1,216,330; Feb. 20; v. 235; p. 739.
- Krotz, Alvaro S., assignor to The Janesville Machine Company, Janesville, Wis. Wheeled implement. No. 1,215,818; Feb. 13; v. 235; p. 505.
- Kroupa, Karl. (See Fingerle and Kroupa.)
- Krouse, William G., Wyoming, Iowa. Engine-supporting device. No. 1,225,651; May 8; v. 238; p. 582.
- Krouse, William G., Wyoming, Iowa. Spark-retarder for Ford engines. No. 1,230,174; June 19; v. 239; p. 689.
- Kruck, Walter A., Camden, N. J. Pneumatic piano-actuating valve. No. 1,249,777; Dec. 11; v. 245; p. 421.
- Kruckmeyer and Cohn. (See Cohn, David M., assignor.)
- Kruecke, Herman, Milwaukee, Wis. Carbonator. No. 1,232,694; July 10; v. 240; p. 417.
- Krueger, Carl W., assignor to National Paper Can Company, Milwaukee, Wis. Sheet-feeding machine. No. 1,250,902; Dec. 18; v. 245; p. 793.
- Krueger, Edward H., Kimberly, Wis. Device for removing putty from window-panes. No. 1,239,406; Sept. 4; v. 242; p. 219.
- Krueger, Ferdinand C., Milwaukee, Wis. Lighting-fixture. No. 1,216,819; Feb. 20; v. 235; p. 910.
- Krueger, Frederick W., Waco, Tex. Hose-coupling. No. 1,250,325; Dec. 18; v. 245; p. 621.
- Krueger, Lewis A., Mason City, Iowa. Indicator-card scaling-rule. No. 1,215,663; Feb. 13; v. 235; p. 452.
- Krueger, Paul J., Blue Island, Ill. Recoil-pad. No. 1,246,117; Nov. 13; v. 244; p. 321.
- Krueger, Samuel, Fredericksburg, assignor to Rotary Fly-Trap Company, Houston, Tex. Fly-trap. No. 1,220,860; Mar. 27; v. 236; p. 1140.
- Krueger, Theodore H., New York, N. Y. Gummed sticker or label. No. 1,210,952; Jan. 2; v. 234; p. 199.
- Krueger, Theodore H., New York, N. Y. Gummed sticker or label. No. 1,239,701; Sept. 11; v. 242; p. 342.
- Krueger, William F., Chicago, Ill. Dovetail-locked veneer. No. 1,212,073; Jan. 9; v. 234; p. 616.
- Krug, Louis, J. P. Weiss, and W. C. Robbins, Nyack, assignors, by mesne assignments, to L. N. Littauer, Gloversville, N. Y. Folder for collarlet-machines. No. 1,230,906; June 26; v. 239; p. 969.
- Krug, Louis R., assignor to Burdick & Son, Albany, N. Y. Molding device. No. 1,221,459; Apr. 3; v. 237; p. 161.
- Kruger, Adolph, Rochester, Minn. Stock-fountain. No. 1,238,303; Aug. 28; v. 241; p. 996.
- Kruger, Anton, Crafton, Pa. Folding crib or cradle. No. 1,212,512; Jan. 16; v. 234; p. 802.
- Kruger, Harry B. (See Stranders, Julien, assignor.)
- Kruger, Jørgen J., Copenhagen, Denmark. Drying apparatus. No. 1,247,284; Nov. 20; v. 244; p. 702.
- Kruger, Louis R., Chicago, Ill. Drawing-board attachment. No. 1,219,959; Mar. 20; v. 236; p. 788.
- Kruger, Theodore, Peoria, Ill. Shutter-operating attachment for cameras. No. 1,225,652; May 8; v. 238; p. 582.
- Krugh, Charles A., Monroe, and J. A. Hendricks, Decatur, Ind. Steering device for tractors. No. 1,227,455; May 22; v. 238; p. 1268.
- Kruk, Stanley, Clymer, Pa. Percussion-fuse. No. 1,232,814; July 10; v. 240; p. 457.
- Krum, Charles L. and H. L., assignors to Morkrum Company, Chicago, Ill. Electromagnet. No. 1,220,433; Mar. 27; v. 236; p. 993.
- Krum, Charles L. and H. L., Chicago, Ill. Selective telegraph system and apparatus. No. 1,232,045; July 3; v. 240; p. 172.
- Krum, Howard L. (See Krum, Charles L. and H. L.)
- Krump, Nic, Chicago, Ill. Band-saw reclaimer. No. 1,217,095; Feb. 20; v. 235; p. 1002.
- Krump, Nic, Chicago, Ill. Clutch mechanism. No. 1,240,225; Sept. 18; v. 242; p. 544.
- Krupa, Frank. (See Troyanoski, Maryan, assignor.)
- Krupka, Joseph, Coalbridge, Ohio. Explosive shell. No. 1,237,658; Aug. 21; v. 241; p. 756.
- Krupka, Joseph, Coalbridge, Ohio. Ordnance and adjustable carriage therefor. No. 1,249,778; Dec. 11; v. 245; p. 421.
- Krupp, Fred H., Northfield, assignor of two-fifths to B. C. Swenson, New London, Minn. Rail-fastener for metal ties. No. 1,241,224; Sept. 25; v. 242; p. 886.
- Krupp, Leo A., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Excavating-machine. No. 1,234,672; July 24; v. 240; p. 1128.
- Krupp, Smith F., Atlanta, Ga. Spacing device for gin-saws. No. 1,217,018; Feb. 20; v. 235; p. 977.
- Krupp, Smith F., Atlanta, Ga. Cotton-gin. No. 1,231,032; June 26; v. 239; p. 1014.
- Kruse, Edward H., Fort Wayne, Ind. Mounting-strip for switch-boxes. No. 1,211,182; Jan. 2; v. 234; p. 276.
- Kruse, Lippe, Scotland, S. D. Storm-curtain. No. 1,223,702; Apr. 24; v. 237; p. 1048.
- Kruse, Peter, assignor to E. W. Bliss Company, Brooklyn, N. Y. Machine for making can-bodies. No. 1,234,182; July 24; v. 240; p. 971.
- Kruse, Peter, assignor to E. W. Bliss Company, Brooklyn, N. Y. Sheet-metal-working machine. No. 1,242,206; Oct. 9; v. 243; p. 276.
- Kruse, Peter, assignor to E. W. Bliss Company, Brooklyn, N. Y. Sheet-metal-working machine. No. 1,244,056; Oct. 23; v. 243; p. 918.
- Kruse, Peter, assignor to E. W. Bliss Company, Brooklyn, N. Y. Sheet-metal-working machine. No. 1,246,437; Nov. 13; v. 244; p. 418.
- Kruse, Theodore H., Arvada, assignor to The Spikeless & Boltless Railroad Tie Company, Denver, Colo. Railway-tie. No. 1,244,616; Oct. 30; v. 243; p. 1125.
- Kruse, Theodore H., Arvada, Colo. Automobile attachment. No. 1,247,691; Nov. 27; v. 244; p. 850.
- Krusius, Edward, New York, N. Y., assignor to Hammond Typewriter Company. Type-writer. No. 1,243,954; Oct. 23; v. 243; p. 888.
- Krusius, Edward, New York, N. Y., assignor to Hammond Typewriter Company. Type-writer. No. 1,243,955; Oct. 23; v. 243; p. 888.
- Krzysko, Frank, Amsterdam, N. Y. Tube-rectifying machine. No. 1,234,183; July 24; v. 240; p. 972.
- Krystek, John B., Bow Island, Alberta, Canada. Safety-envelope. No. 1,222,419; Apr. 10; v. 237; p. 529.
- Krystyniak, Adam, Greensburg, Pa. Street-car light. No. 1,247,285; Nov. 20; v. 244; p. 702.
- Kryzanowsky, Constant J., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md. Capping apparatus. No. 1,216,705; Feb. 20; v. 235; p. 870.
- Kubel, Stephen J., Washington, D. C. Feed-gage. No. 1,228,681; June 5; v. 239; p. 104.
- Kubly, John C., Monroe, Wis. Swingletree-clip. No. 1,240,983; Sept. 25; v. 242; p. 812.
- Kuchtik, Frank M., Kitchener, Ontario, Canada. Convertible roller and ice skate. No. 1,243,077; Oct. 16; v. 243; p. 588.
- Kucserik, Wilhelm. (See Holek and Kucserik.)
- Kuczabowski, Antoni, St. Paul, Minn. Folding chair. No. 1,231,886; June 26; v. 239; p. 1132.
- Kuczynska, Jadwiga, Hooversville, Pa. Coin-bank. No. 1,245,470; Nov. 6; v. 244; p. 98.
- Kuefer, Anthony, assignor to R. B. Wilson, trustee, Toledo, Ohio. Autoplow. No. 1,225,339; May 8; v. 238; p. 478.
- Kuefer, Anthony, assignor to R. B. Wilson, trustee, Toledo, Ohio. Power transmission. No. 1,241,740; Oct. 2; v. 243; p. 87.
- Kuefer, Anthony, assignor to R. B. Wilson, trustee, Toledo, Ohio. Unit of power transmission. No. 1,241,741; Oct. 2; v. 243; p. 88.
- Kuehl Clock Co. (See Vonder Heydt, Herman, assignor.)
- Kuehn, Christian, St. Louis, Mo. Extension-table. No. 1,236,320; Aug. 7; v. 241; p. 253.
- Kuehn, Louis, assignor to Milwaukee Corrugating Company, Milwaukee, Wis. Conductor cut-off. No. 1,215,819; Feb. 13; v. 235; p. 505.
- Kuehn, Paul, Detroit, Mich. Amalgamating process for recovering metals from ores. No. 1,231,176; June 26; v. 239; p. 1003.
- Kuehner, Charles P., Providence, R. I. Tube-clamp. No. 1,211,718; Jan. 9; v. 234; p. 491.
- Kuehner, Charles P., Providence, R. I. Tube-clamp. No. 1,213,504; Jan. 23; v. 234; p. 1181.
- Kuen, Eugene A., assignor, by mesne assignments, to The Corcoran-Victor Company, Cincinnati, Ohio. Lamp. No. 1,224,178; May 1; v. 238; p. 22.
- Kuen, Eugene A., assignor, by mesne assignments, to The Corcoran-Victor Company, Cincinnati, Ohio. Lamp. No. 1,224,179; May 1; v. 238; p. 23.
- Kuen, Eugene A., assignor, by mesne assignments, to The Corcoran-Victor Company, Cincinnati, Ohio. Buffing-machine. No. 1,234,350; July 24; v. 240; p. 1026.
- Kuen, Eugene A., assignor, by mesne assignments, to The Corcoran-Victor Company, Cincinnati, Ohio. Buffing-machine. No. 1,234,351; July 24; v. 240; p. 1026.
- Kuen, Joseph, Melrose Park, Pa. Multiple-surface evaporator. No. 1,245,469; Nov. 6; v. 244; p. 98.
- Kuen, Rhinehart V., near Amana, Iowa. Gang-plow. No. 1,215,942; Feb. 13; v. 235; p. 550.
- Kuchhold, Otto J., Cleveland, Ohio. Regulator for hot-water heating systems. No. 1,233,885; July 17; v. 240; p. 840.
- Kuenneth, George W., assignor, by mesne assignments, to Kuenneth, Paterson, N. J. Beaming mechanism for warping and beaming machines. No. 1,246,284; Nov. 13; v. 244; p. 371.
- Kuenneth, Jeanette. (See Kuenneth, George W., assignor.)
- Kuenzel, Charles A., Jr. (See Pelham and Kuenzel.)
- Kuess, Roman, Chickasaw, Ohio. Corn-planter. No. 1,213,112; Jan. 16; v. 234; p. 1012.
- Kugler, Andrew, Wagoner, Okla. Cattle-stanchion. No. 1,234,044; July 17; v. 240; p. 891.
- Kuhlmann, Frederick J. P., San Francisco, Cal. Advertising-machine. No. 1,251,244; Dec. 25; v. 245; p. 942.
- Kuhlmann, Wesley W., Woodcliffe-on-Hudson, N. J. Dining-table plate-heating appliance. No. 1,230,727; June 19; v. 239; p. 871.
- Kuhlthau, William. (See Hadfield and Kuhlthau.)
- Kuhn, August S., and R. R. Miller, Chicago, Ill., assignors to Bates Valve Bag Company, Chicago, Ill. Device for wire-tying bags. No. 1,242,353; Oct. 9; v. 243; p. 321.
- Kuhn, Frank. (See Kuhn and Oakes, assignors.)
- Kuhn, Frank, Detroit, Mich. Electrically-heated instrument. No. 1,231,749; July 3; v. 240; p. 72.
- Kuhn, Frank, and F. E. Shailor, assignors to American Electrical Heater Company, Detroit, Mich. Electrical heating unit. No. 1,225,826; May 15; v. 238; p. 684.

- Kuhn, Frank, and F. E. Shailor, assignors to American Electrical Heater Company, Detroit, Mich. Electrical heating unit. No. 1,225,827; May 15; v. 238; p. 685.
- Kuhn, Frank, and F. E. Shailor, assignors to American Electrical Heater Company, Detroit, Mich. Luminous electric heater. No. 1,231,750; July 3; v. 240; p. 72.
- Kuhn, Frank, and J. A. Hand, assignors to American Electrical Heater Company, Detroit, Mich. Electrical heating unit. No. 1,247,286; Nov. 20; v. 244; p. 702.
- Kuhn, Frank, and J. A. Hand, assignors to American Electrical Heater Company, Detroit, Mich. Sad-iron-supporting stand. No. 1,251,053; Dec. 25; v. 245; p. 887.
- Kuhn, Harry A., Pittsburgh, Pa. Mining coal. No. 1,228,448; June 5; v. 239; p. 25.
- Kuhn, Harry A., Pittsburgh, Pa. Chain for mining-machines. No. 1,232,051; July 3; v. 240; p. 174.
- Kuhn, Harry A., Pittsburgh, Pa. Mining-machine. No. 1,232,696; July 10; v. 240; p. 417.
- Kuhn, Harry A., Pittsburgh, Pa. Mining coal. No. 1,237,061; Aug. 14; v. 241; p. 527.
- Kuhn, Harry A., Pittsburgh, Pa. Mining coal. No. 1,237,062; Aug. 14; v. 241; p. 527.
- Kuhn, Harry A., Pittsburgh, Pa. Mining coal. No. 1,237,063; Aug. 14; v. 241; p. 528.
- Kuhn, Harry A., and W. W. Macfarren, Pittsburgh, Pa.; said Macfarren assignor to said Kuhn. Mining-machine. No. 1,234,912; July 31; v. 240; p. 1238.
- Kuhn, Harry H., Marshall, Ill. Picture-hanger. No. 1,223,802; Apr. 24; v. 237; p. 1084.
- Kuhn, Harry J., Middletown, N. Y. Combination toilet-article holder. No. 1,241,225; Sept. 25; v. 242; p. 887.
- Kuhn, Harry S., Waynesboro, Pa. Universal base for pipe-vises. No. 1,245,741; Nov. 6; v. 244; p. 181.
- Kuhn, James F., Easton, assignor of one-half to A. C. Fellencer, Allentown, Pa. Coupling for chains, &c. No. 1,222,217; Apr. 10; v. 237; p. 457.
- Kuhn, Joseph P., and J. D. Martin, Honesdale, Pa. Window-screen. No. 1,231,177; June 26; v. 239; p. 1064.
- Kuhn, Louis V., assignor to The Columbus Vending Company, Columbus, Ohio. Vending-machine. No. 1,245,928; Nov. 6; v. 244; p. 237.
- Kuhn, Max O., and H. C. Shoolbred, assignors of one-third to A. M. Shoolbred, Montreal, Quebec, Canada. Indicator. No. 1,218,281; Mar. 6; v. 236; p. 139.
- Kuhn, Preston, Hammond, Oreg. Train-stopping system. No. 1,213,660; Jan. 23; v. 234; p. 1234.
- Kuhn, Robert, Detroit, Mich. Soldering-iron. No. 1,214,186; Jan. 30; v. 234; p. 1443.
- Kuhn, Robert, and A. Oakes, assignors to F. Kuhn, Detroit, Mich. Electrical heating unit. No. 1,222,001; Apr. 10; v. 237; p. 381.
- Kuhnley, Samuel M. (See Dahl, John, assignor.)
- Kuhns, Edward F., Trevorton, Pa. Snap-hook. No. 1,250,596; Dec. 18; v. 245; p. 703.
- Kuhns, Elijah F., Columbus, Kans. Nut-lock. No. 1,212,074; Jan. 9; v. 234; p. 616.
- Kuhns, James H., Tulsa, Okla. Swivel-socket for oil and gas well drills. No. 1,212,962; Jan. 16; v. 234; p. 959.
- Kujirai, Tsunetaro, Hongo, Tokyo, Japan. Frequency-conversion system for electrical oscillations. No. 1,215,820; Feb. 13; v. 235; p. 506.
- Kukla, Jozef, Buffalo, N. Y. Mold-feeder. No. 1,221,460; Apr. 3; v. 237; p. 161.
- Kulenkampff, Carl A., Brooklyn, N. Y. Lathe attachment. No. 1,211,183; Jan. 2; v. 234; p. 276.
- Kulick, Abraham, New York, N. Y. Hand-bag. No. 1,240,060; Sept. 11; v. 242; p. 452.
- Kulick, Isaac, Brooklyn, N. Y. Dispensing apparatus. No. 1,225,143; May 8; v. 238; p. 410.
- Kulicke, Frederick W., Philadelphia, Pa. Trolley-switch. No. 1,217,317; Feb. 27; v. 235; p. 1123.
- Kulicke, Frederick W., Philadelphia, Pa. Interlocking device for magnet-armatures. No. 1,248,344; Nov. 27; v. 244; p. 1036.
- Kulier, John A., Brooklyn, N. Y. Portable canvas locker. No. 1,251,245; Dec. 25; v. 245; p. 943.
- Kulp, Joseph C., Linwood, N. J. Sound-box for phonographs. No. 1,229,197; June 5; v. 239; p. 276.
- Kumauchi, James I., Seattle, Wash. Reflecting apparatus. No. 1,226,537; May 15; v. 238; p. 924.
- Kummerlander, Charles G., Washington, D. C. Carbonated beverage and making same. No. 1,218,190; Mar. 6; v. 236; p. 105.
- Kummerow, Ferdinand C., Chicago, Ill. Vehicle-wheel. No. 1,245,357; Nov. 6; v. 244; p. 64.
- Kumpf, August D. (See Oechsle and Kumpf.)
- Kunath, Adine, New York, N. Y. Waste-paper basket. No. 1,237,914; Aug. 21; v. 241; p. 835.
- Kundert, Rudolph, Roslindale, Mass. Machine for marking continuous strips of paper or like material. No. 1,217,318; Feb. 27; v. 235; p. 1124.
- Kundtz, Theodor, Lakewood, assignor to The Theodor Kundtz Company, Cleveland, Ohio. Sewing-machine cabinet. No. 1,243,744; Oct. 23; v. 243; p. 823.
- Kunitz, Benjamin, assignor to American Plaster-Drill Co., Inc., Brooklyn, N. Y. Drill. No. 1,237,064; Aug. 14; v. 241; p. 528.
- Kunkel, John B., assignor to Hale and Kilburn, Philadelphia, Pa. Stationary seat for cars and omnibuses. No. 1,231,914; July 3; v. 240; p. 127.
- Kunkle, J. Sheldon, *et al.* (See Bosnyakovits, Joseph, assignor.)
- Kunkler, Clarence, Columbus, Ohio. Combination salt and pepper shaker. No. 1,248,345; Nov. 27; v. 244; p. 1037.
- Kuns, Lloyd S., and J. E. Carter, Holtville, Cal. Automobile front-wheel drive mechanism. No. 1,232,335; July 3; v. 240; p. 267.
- Kunst, John, New York, N. Y. Rollomobile. No. 1,240,226; Sept. 13; v. 242; p. 544.
- Kunz, Edward L., assignor, by mesne assignments, to One Hand Auto Top Co., Inc., Buffalo, N. Y. Vehicle-top frame. No. 1,233,586; July 17; v. 240; p. 745.
- Kuntz, Frank A., Richmond Hill, assignor to Gold Car Heating & Lighting Company, New York, N. Y. Automatic switch. No. 1,229,294; June 12; v. 239; p. 359.
- Kuntz, William J., York, Pa. Drier. No. 1,229,978; June 12; v. 239; p. 586.
- Küntzler, Henry. (See Hunter and Küntzler.)
- Kunz, John L., assignor to Kunz Wheel Co., Milwaukee, Wis. Automobile-wheel. No. 1,237,065; Aug. 14; v. 241; p. 528.
- Kunz, Rudolf, Georgsmarienhütte, near Osnabrück, Germany. Hearth of blast-furnaces. No. 1,236,721; Aug. 14; v. 241; p. 418.
- Kunz Wheel Co. (See Kunz, John L., assignor.)
- Kunz-Wheeler-Moffat Company. (See Moffat, Albert S., assignor.)
- Kunzelman, Albert H., Chillicothe, Ohio. Doctor-vibrating device for paper-machines. No. 1,221,338; Apr. 3; v. 237; p. 119.
- Kuperman, David, New York, N. Y. Hinged spring-wire mattress. No. 1,214,187; Jan. 30; v. 234; p. 1444.
- Kupetz, Adolph G., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Stand or support for loose-leaf books, &c. No. 1,226,336; May 15; v. 238; p. 861.
- Kupisewski, Antoni, Auburn, N. Y. Cigarette-box. No. 1,244,057; Oct. 23; v. 243; p. 919.
- Kupp, Jakob, Küssnacht, Switzerland. Attachment for lathes and the like. No. 1,228,570; June 5; v. 239; p. 67.
- Kuprel, Stanislaus, Bridgeport, Conn. Automatic apparatus for cleaning tobacco-smoking pipes. No. 1,213,215; Jan. 23; v. 234; p. 1080.
- Kurkjian, Haigazn H., Paterson, N. J. Apparatus for measuring ribbons and the like. No. 1,246,285; Nov. 13; v. 244; p. 372.
- Kurman, Nathan A., Oakland, Cal. assignor, by mesne assignments, to International Callaphone Corporation, New York, N. Y. Telephonic paging system. No. 1,239,607; Sept. 11; v. 242; p. 311.
- Kurokawa, Yaichi, Seattle, Wash. Match-box. No. 1,229,479; June 12; v. 239; p. 422.
- Kuroki, Kaiko, Monterey, Cal. Fish-bait. No. 1,235,331; July 31; v. 240; p. 1365.
- Kuroki, Kaiko, Monterey, Cal. Fish-bait. No. 1,237,529; Aug. 21; v. 241; p. 714.
- Kuroki, Shingo, assignor to Kimpitsu Seishi Kabushiki Kaisha, Ltd., Tokyo, Japan. Waterproof writing-paper for metallic styl. No. 1,234,045; July 17; v. 240; p. 891.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,214,688; Feb. 6; v. 235; p. 73.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,218,282; Mar. 6; v. 236; p. 139.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,220,647; Mar. 27; v. 236; p. 1066.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,229,180; June 5; v. 239; p. 271.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,248,346; Nov. 27; v. 244; p. 1037.
- Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,251,054; Dec. 25; v. 245; p. 887.
- Kurrie, E. T. (See Darley Ward, assignor.)
- Kurten, Nellie E., Santa Monica, Cal. Baby-jumper. No. 1,238,693; Aug. 28; v. 241; p. 1118.
- Kurth, Max, Waldron, Ark. Evaporating-pan. No. 1,240,984; Sept. 25; v. 242; p. 812.
- Kurtz, Alfred, Brooklyn, N. Y. Lining for hats. No. 1,216,140; Feb. 13; v. 235; p. 623.
- Kurtz, Barton S., Gap, Pa. Speed-changing mechanism. No. 1,249,779; Dec. 11; Gaz. vol. 245; p. 422.
- Kurtz, Barton S., Gap, Pa. Speed-changing mechanism. No. 1,249,780; Dec. 11; v. 245; p. 422.
- Kurtz, Christian S., Ephrata, Pa. Pump-head. No. 1,223,283; Apr. 17; v. 237; p. 865.
- Kurtz, Cyrus B., Lakewood, Ohio. Power-transmission mechanism. No. 1,223,400; Apr. 24; v. 237; p. 939.
- Kurtz, Cyrus B., Grinnell, Iowa. Electric mechanism for starting automobiles and the like. No. 1,230,175; June 19; v. 239; p. 690.
- Kurtz, Katherine, Brooklyn, N. Y. Hat-lining. No. 1,248,137; Nov. 27; v. 244; p. 978.

Alphabetical list of patentees—Continued.

- Kurtz, Samuel E., Sac City, Iowa. Electric motor. No. 1,228,449; June 5; v. 239; p. 25.
- Kurtz, Stewart S. (See White, Harry B., assignor.)
- Kurtz, William E., Los Angeles, Cal. Curtain-support. No. 1,249,972; Dec. 11; v. 245; p. 478.
- Kurunczi, Andrew, and M. Balint, Detroit, Mich. Self-leveling table. No. 1,222,420; Apr. 10; v. 237; p. 529.
- Kuryllo, Mik. (See Duzey, Michael W., assignor.)
- Kurz, William F. (See Hanlon, George J., assignor.)
- Kusel, Daniel. (See Cairns and Kusel.)
- Kustan, Amandus J., assignor of one-third to L. Treeland, Merville, Iowa. Air and dust guard for lever-openings. No. 1,249,122; Dec. 4; v. 245; p. 200.
- Kuss, Rudolph R., Boise, Idaho. Adjustable cushioning means for lever-actuated mechanism. No. 1,214,325; Jan. 30; v. 234; p. 1495.
- Kuster, Charles R., Jr., Fulton, N. Y. Baby cutter or sleigh attachment. No. 1,234,775; July 31; v. 240; p. 1195.
- Kusterer, Aloysius J., Richmond, and C. Sanders, South Richmond, assignors to The Randolph Paper Box Co., Richmond, Va. Shell-box-making machine. No. 1,218,417; Mar. 6; v. 236; p. 183.
- Kusterer, Aloysius J., Richmond, and C. Sanders, South Richmond, assignors to The Randolph Paper Box Company, Richmond, Va. Feeding and severing mechanism. No. 1,218,418; Mar. 6; v. 236; p. 184.
- Kusterko, Madeleine, Yonkers, N. Y. Garment. No. 1,226,977; May 22; v. 238; p. 1112.
- Kusterlee, Frank, assignor to The Simmons Manufacturing Company, Kenosha, Wis. Metal joint. No. 1,214,043; Jan. 30; v. 234; p. 1397.
- Kusy, Jaroslav A., New York, N. Y. Nut-lock. No. 1,241,401; Sept. 25; v. 242; p. 943.
- Kuterbach, Stanley, Philadelphia, Pa. Army-ambulance. No. 1,241,402; Sept. 25; v. 242; p. 943.
- Kutschbach, August E., Houston, Tex. Pump. No. 1,225,041; May 8; v. 238; p. 376.
- Kutschenreuter, Robert H., La Moure, N. D. Tire-remover. No. 1,242,354; Oct. 9; v. 243; p. 321.
- Kutscher, Theodore C., Seattle, Wash. Combination lunch-box. No. 1,244,866; Oct. 30; v. 243; p. 1200.
- Kutter, Herman L., Hamilton, Ohio. Pulping apparatus. No. 1,222,218; Apr. 10; v. 237; p. 457.
- Kuyser, Jan A., Edgewood, Pa., assignor to Westinghouse Electric and Manufacturing Company. Ventilating apparatus. No. 1,231,620; July 3; v. 240; p. 27.
- Kuyser, Jan A., Edgewood, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,238,304; Aug. 28; v. 241; p. 996.
- Kværnø, Bernhard C., Haugesund, Norway. Changeable vault structure for electric melting-furnaces. No. 1,216,331; Feb. 20; v. 235; p. 740.
- Kvitte, Martin E. and N. K., Cambridge, Wis. Muskrat-trap. No. 1,238,026; Aug. 21; v. 241; p. 871.
- Kvitte, Norman K. (See Kvitte, Martin E. and N. K.)
- Kyburg, Henry E., Springfield, Mass. Temperature-controlling apparatus for internal-combustion engines. No. 1,219,646; Mar. 20; v. 236; p. 678.
- Kyle, E. Bryan. (See Street, Fred, assignor.)
- Kyle, James M., assignor to Smith-Upton Co., Spokane, Wash. Feed mechanism for mechanical ball-pitchers. No. 1,229,979; June 12; v. 239; p. 586.
- Kyle, John P., Aredale, Iowa. Wagon-box attachment. No. 1,250,326; Dec. 18; v. 245; p. 621.
- Kyle, Joseph M., Butler county, Iowa. Draft connection for tractors. No. 1,249,424; Dec. 11; v. 245; p. 318.
- Kyle, Joseph M., Butler county, Iowa. Power-transmission device. No. 1,250,903; Dec. 18; v. 245; p. 793.
- Kyle, William D., Milwaukee, Wis. Electric-light fixture. No. 1,248,502; Dec. 4; v. 245; p. 21.
- Kyle, William D., Milwaukee, Wis. Bracket. No. 1,250,597; Dec. 18; v. 245; p. 703.
- Kyler, Charles B., Evansville, Ind. Car-seal. No. 1,225,255; May 8; v. 238; p. 446.
- Kylläinen, Juhana, Helsinki, Finland, Russia. Internal-combustion motor. No. 1,235,145; July 31; v. 240; p. 1308.
- Kylläinen, Juhana, Helsingfors, Finland, Russia. Internal-combustion engine. No. 1,242,207; Oct. 9; v. 243; p. 276.
- Kynaston, John D., Washington, D. C. Water-purifying apparatus. No. 1,219,333; Mar. 13; v. 236; p. 539.
- Kyser, George E., *et al.* (See Webb, Benjamin F., assignor.)
- Kyser, George E., Birmingham, and J. U. Till, McWilliams, assignors to Till Manufacturing Co., Birmingham, Ala. Device for catching boll-weevils. No. 1,240,736; Sept. 18; v. 242; p. 701.
- Kytlica, John F., Chicago, Ill. Valve. No. 1,235,816; Aug. 7; v. 241; p. 94.
- L. Elkan Erben Gessellschaft, m. b. H. (See Rudolf, Ernst, assignor.)
- L. Wolff Manufacturing Company. (See Lindsay, William, assignor.)
- L. B. Skinner Manufacturing Co. (See Skinner, Lee B., assignor.)
- L. C. Smith & Bros. Typewriter Company. (See Gabrielson, Carl, assignor.)
- L. C. Smith & Bros. Typewriter Company. (See Harrington, Lynn J., assignor.)
- L. E. Waterman Company. (See Britten, Edwin F., Jr., assignor.)
- L. & H. Clutch Co., The. (See Lake, David, assignor.)
- L. H. Gilmer Company. (See Gilmer, George W., Jr., assignor.)
- L. S. Starrett Company, The. (See Starrett, Laroy S., assignor.)
- L. V. Fletcher & Company. (See Fletcher, Leonard V., assignor.)
- L-M-S Motor Co. (See Mueller and Schuler, assignors.)
- L'Amie, Jesse P., Duluth, Minn. Bottle-stopper extractor. No. 1,223,056; Apr. 17; v. 237; p. 790.
- La Bar, Bert G. (See Mylius and La Bar.)
- La Barre, Edward, New York, N. Y., and W. Schuckar, West New York, N. J. Automatic train-stop. No. 1,241,997; Oct. 2; v. 243; p. 168.
- La Bombard, Leon E., Chelsea, Mass., and M. H. Slidebotham, assignors to E. W. Labombarde, Nashua, N. H. Feed mechanism for blank-treating machines. No. 1,238,790; Sept. 4; v. 242; p. 21.
- La Brier, Zeno. (See Solomon, George S., assignor.)
- La Chapelle, Frank, Erie, Pa. Inkstand. No. 1,223,703; Apr. 24; v. 237; p. 1048.
- La Chapelle, Duval, Nyack, N. Y. Gliding boat. No. 1,221,871; Apr. 10; v. 237; p. 335.
- La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for operating on shoe-soles. No. 1,217,122; Feb. 20; v. 235; p. 1013.
- La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Presser-foot mechanism for sewing-machines. No. 1,234,913; July 31; v. 240; p. 1238.
- La Cour, Dan, Charlottenlund, near Copenhagen, and C. V. Schou, Copenhagen, Denmark. Vaporizing-starter. No. 1,249,425; Dec. 11; v. 245; p. 318.
- La Croix, Cicero H., Bannister, Tex. Wagon. No. 1,212,232; Jan. 16; v. 234; p. 701.
- La Crosse Plow Co. (See Biebing, David A., assignor.)
- La Crosse Plow Co. (See Cameron, William W., assignor.)
- La Crosse Plow Co. (See Davis and Cameron, assignors.)
- La Fayette, Theodore E., assignor to Hood Rubber Co., Watertown, Mass. Rubber boot or shoe. No. 1,249,639; Dec. 11; v. 245; p. 380.
- La Fieleo, John, Pittsburg, Kans., assignor of two-fifths to J. A. Polley, Nowata, Okla. Railway-gate operator. No. 1,211,321; Jan. 2; v. 234; p. 324.
- La Fleur, Benjamin S., Beverly, Mass. Back-gage for shoe-sewing machines. No. 1,240,985; Sept. 25; v. 242; p. 812.
- La France, Alfred, Central Falls, R. I., assignor to General Electric Company. Labeling-machine. No. 1,245,600; Nov. 6; v. 244; p. 140.
- La France, Richard, assignor to The Toledo Glass Company, Toledo, Ohio. Producing glass articles. No. 1,231,751; July 3; v. 240; p. 73.
- La French Power Spark Plug Company, The. (See Eastman, Harry N., assignor.)
- La Hodny, William. (See Fefelle, Alfred H., assignor.)
- La Joie, Herbert J., Orange, N. J., assignor to Autopiano Company. Key-cover for pianos and other musical instruments. No. 1,242,952; Oct. 16; v. 243; p. 547.
- La Montagne, Patrick P., Bourbonnais, assignor to Paramount Knitting Company, Chicago, Ill. Knitting-machine. No. 1,247,972; Nov. 27; v. 244; p. 933.
- La Motte, Wilbur A., Elizabeth, N. J. Electric heater. No. 1,242,209; Oct. 9; v. 243; p. 276.
- La Moy, John H., assignor of one-half to B. W. Sprague, Glens Falls, N. Y. Type-writer attachment. No. 1,248,677; Dec. 4; v. 245; p. 73.
- La Mont, Victor W. (See Walker, Harry, assignor.)
- La Morte, William F., New York, N. Y., assignor to The Fireproof Contractors Corporation. Hanger or clip for steel framework construction. No. 1,218,283; Mar. 6; v. 236; p. 139.
- La Mothe, Jerry, Grayling, Mich. Flat-iron holder and cleaner. No. 1,218,781; Mar. 13; v. 236; p. 349.
- La Mura, Catello, Brooklyn, N. Y. Marine-torpedo shield. No. 1,243,956; Oct. 23; v. 243; p. 888.
- La Plante, Forest R., Gunnison, Colo. Spark-plug. No. 1,217,784; Feb. 27; v. 235; p. 1288.
- La Point, Stephen, Columbus, Ohio. Clothes-stick. No. 1,225,043; May 8; v. 238; p. 377.
- La Porte, Norbert M., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md. Selecting mechanism. No. 1,226,777; May 22; v. 238; p. 1043.
- La Porte, Norbert M., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md. Capping-machine. No. 1,226,778; May 22; v. 238; p. 1043.
- La Porte, Norbert M., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md. Making closures. No. 1,227,160; May 22; v. 238; p. 1175.
- La Rock, John, assignor of one-third to J. B. Glasheen and one-third to W. C. Morrell, Chicago, Ill. Stretching-machine. No. 1,239,522; Sept. 11; v. 242; p. 284.
- La Rue, William D., Camden, N. J., assignor to Victor Talking Machine Company. Talking-machine. No. 1,223,080; Apr. 17; v. 237; p. 799.
- La Rue, William D., Camden, N. J., assignor to Victor Talking Machine Company. Governor. No. 1,245,112; Oct. 30; v. 243; p. 1274.
- La Société "Aéra." (See Joliot, André M. A., assignor.)
- La Societe dite "La Cellophane." (See Brandenberger Jacques E., assignor.)

- La Société "La Cellophane." (See Laussedat, Auguste J. B., assignor.)
- La Sor, Herbert G., Los Angeles, Cal. Phonograph-record cabinet. No. 1,242,563; Oct. 9; v. 243; p. 388.
- Laas, Edward, *et al.* (See Stewart, Andrew B., assignor.)
- Laas, Edward, assignor, by mesne assignments, to O. R. Barnett, Chicago, Ill. Anticreeper. No. 1,214,689; Feb. 6; v. 235; p. 73.
- Laas, Edward, assignor, by mesne assignments, to O. R. Barnett, Chicago, Ill. Anticreeper. No. 1,227,804; May 29; v. 238; p. 1417.
- Labadie, Harry H., and B. B. Beers, Chicago, Ill., assignors of one-half to said Labadie and one-half to the estate of W. Schwartz, deceased. Combined luncheon and carrying case. No. 1,220,159; Mar. 20; v. 236; p. 862.
- Labadie, Harry H., and B. B. Beers; said Beers assignor, by mesne assignments, to W. Schweitzer Estate, Chicago, Ill. Extension-drawer and the like. No. 1,221,339; Apr. 3; v. 237; p. 119.
- Labadie, Harry H., and B. B. Beers, Chicago, Ill., assignors of one-half to said Labadie and one-half to the estate of W. Schweitzer, deceased. Luncheon-case and the like. No. 1,238,074; Aug. 21; v. 241; p. 887.
- Labadie, Rene, *et al.* (See Pelletier, Charles E., assignor.)
- Labombarde, Elie W. (See La Bombard and Sidebotham, assignors.)
- Labombarde, Elie W., Nashua, N. H. Machine for coating blanks. No. 1,218,419; Mar. 6; v. 236; p. 184.
- Laborda, Richard, San Francisco, Cal. Feed-guide and folding attachment for ironing-machines. No. 1,235,207; July 31; v. 240; p. 1327.
- Labore, John A., Ardmore, Pa. Packing-case. No. 1,226,677; May 22; v. 238; p. 1008.
- Labs, Carl, Amherst, Nebr. Lister. No. 1,221,192; Apr. 3; v. 237; p. 68.
- Lacambra, Francois, Bayonne, France. Spring-link. No. 1,216,463; Feb. 20; v. 235; p. 787.
- Lacerda, Harry A., Schenectady, N. Y. Fender and tail light system. No. 1,213,505; Jan. 23; v. 234; p. 1181.
- Lacerda, Harry A., Schenectady, assignor of one-half to R. W. Benson, Mount Vernon, N. Y. Hydrocarbon-burner. No. 1,240,061; Sept. 11; v. 242; p. 452.
- Lacey, Edward P., assignor of one-half to D. L. Skipper, Zolfo, Fla. Flush-tank mechanism. No. 1,225,340; May 8; v. 238; p. 479.
- Lacey, Ernest G., South Melbourne, Victoria, Australia. Scroll-cutting machine. No. 1,211,456; Jan. 9; v. 234; p. 403.
- Lacey, Thomas. (See Vredenburg and Lacey.)
- Lachance, Frederick. (See Austin and Lachance.)
- Lachman, Laurence S., assignor to Universal Electric Welding Company, New York, N. Y. Electric welding and apparatus. No. 1,228,032; May 29; v. 238; p. 1495.
- Lachman, Laurence S., assignor to Universal Electric Welding Company, New York, N. Y. Gradeable fence. No. 1,235,333; July 31; v. 240; p. 1366.
- Lachman, Laurence S., assignor to Universal Electric Welding Company, New York, N. Y. Pole, &c. No. 1,235,332; July 31; v. 240; p. 1365.
- Lachman, Laurence S., New York, N. Y., assignor, by mesne assignments, to Thomson Spot Welder Company, Boston, Mass. Electric welding-machine. No. 1,228,450; June 5; v. 239; p. 25.
- Lachman, Laurence S., New York, N. Y., assignor, by mesne assignments, to Thomson Spot Welder Company, Boston, Mass. Electric spot-welding apparatus. No. 1,234,673; July 24; v. 240; p. 1129.
- Lachman, Laurence S., New York, N. Y., assignor, by mesne assignments, to Thomson Spot Welder Company, Boston, Mass. Electric welding apparatus. No. 1,237,915; Aug. 21; v. 241; p. 835.
- Lachman, Maurice, assignor to Universal Electric Welding Company, New York, N. Y. Metal panel-work. No. 1,210,953; Jan. 2; v. 234; p. 199.
- Lachman, Maurice, assignor to Universal Electric Welding Company, New York, N. Y. Metal fabric. No. 1,228,789; June 5; v. 239; p. 141.
- Lachman, Maurice, assignor to Universal Electric Welding Company, New York, N. Y. Gradable fence. No. 1,234,674; July 24; v. 240; p. 1129.
- Lachman, Maurice, assignor to Universal Electric Welding Company, New York, N. Y. Fence. No. 1,236,185; Aug. 7; v. 241; p. 211.
- Lachman, Maurice, assignor to Universal Electric Welding Company, New York, N. Y. Sheet-metal construction. No. 1,247,287; Nov. 20; v. 244; p. 702.
- Lachman, Maurice, New York, assignor to Universal Electric Welding Company, Long Island City, N. Y. Window sash or frame. No. 1,214,928; Feb. 6; v. 235; p. 156.
- Lachman, Maurice, assignor to Structural Pressed Steel Wheel Company, Inc., New York, N. Y. Metal wheel. No. 1,215,552; Feb. 13; v. 235; p. 409.
- Lachman, Maurice, assignor to Structural Pressed Steel Wheel Company, Inc., New York, N. Y. Metal wheel. No. 1,215,553; Feb. 13; v. 235; p. 409.
- Lachman, Maurice, assignor to Structural Pressed Steel Wheel Company, Inc., New York, N. Y. Vehicle-wheel. No. 1,215,554; Feb. 13; v. 235; p. 410.
- Lachman, Maurice, assignor to General Welded Products Co., New York, N. Y. Bedstead. No. 1,221,872; Apr. 10; v. 237; p. 335.
- Lachman Wall Bed Company. (See Beach, John C., assignor.)
- Lachman Wall Bed Company. (See Beach, John C. and H. W., assignors.)
- Lackawanna Steel Company. (See Abbott, Franklin E., assignor.)
- Lackawanna Steel Company. (See Mathias, Thomas H., assignor.)
- Lackawanna Steel Company. (See Neafie and French, assignors.)
- Lackner, Peter, New Brunswick, N. J. Universal micrometer. No. 1,226,337; May 15; v. 238; p. 861.
- Lacombe, Orville. (See Claude and Lacombe.)
- Lacroix, Fred. (See Stohm and Lacroix.)
- Lacroix, Fred, assignor of one-half to A. M. Ketchum, New York, N. Y. Telephone. No. 1,245,929; Nov. 6; v. 244; p. 237.
- Lacy, Burritt S., Sewaren, N. J., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Manufacturing ethyl chlorid. No. 1,242,208; Oct. 9; v. 243; p. 276.
- Lacy, Burritt S., Sewaren, N. J., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Manufacturing paraffin ethers. No. 1,245,742; Nov. 6; v. 244; p. 181.
- Lacy, Claxton W., *et al.* (See Cary, James B., assignor.)
- Lacy, Will B. (See McAdams, William C., assignor.)
- Ladd, Caleb H. (See Eldredge and Ladd.)
- Ladd, Ernest C., *et al.* (See Thornton, Charles W., assignor.)
- Ladd, Franklin B., Fort Wayne, Ind. Stabilizer for fish hooks and links. No. 1,250,473; Dec. 18; v. 245; p. 665.
- Ladd, George T., trustee. (See Kemmen, Jürgen, assignor.)
- Ladd, George T., Pittsburgh, Pa. Vertical water-tube boiler. No. 1,238,530; Aug. 28; v. 241; p. 1070.
- Ladoff, Isador, Wilkingsburg, Pa., assignor of thirty one-hundredths to W. D. Edmonds, Boonville, N. Y. Producing alloys. No. 1,221,873; Apr. 10; v. 237; p. 335.
- Ladoff, Isador, Wilkingsburg, Pa., assignor of thirty one-hundredths to W. D. Edmonds, Boonville, N. Y. Making alloys. No. 1,221,874; Apr. 10; v. 237; p. 335.
- Ladd, Lester L., Lockport, Ill. Labeling-machine. No. 1,227,158; May 22; v. 238; p. 1174.
- Ladd, Osmond Y., Danbury, Conn. Eyeglass-mounting. No. 1,236,452; Aug. 14; v. 241; p. 327.
- Ladoff, Isador, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Purifying metals. No. 1,248,503; Dec. 4; v. 245; p. 21.
- Ladwig, Charles F. (See Fleming and Ladwig.)
- Laengle, Berthold, Osceola, Ark. Vehicle-pole. No. 1,235,577; Aug. 7; v. 241; p. 16.
- Laferriere, Joseph E., assignor to Spray Engineering Company, Boston, Mass. Metal-casting machine. No. 1,245,598; Nov. 6; v. 244; p. 139.
- Laferriere, Joseph E., assignor to Spray Engineering Company, Boston, Mass. Apparatus for imparting mechanical impressions to metal or other substances. No. 1,245,599; Nov. 6; v. 244; p. 139.
- Laffoon, Gilmer M. (See Mettler and Laffoon.)
- Lafitte, Théodore, Paris, France. Transmission mechanism. No. 1,227,456; May 22; v. 238; p. 1268.
- Lafamme, Joseph H. F., and O. Gravel, Toronto, Ontario, Canada. Bomb-dropper. No. 1,231,387; June 26; v. 239; p. 1133.
- Lafèche, Hermenegilde J. H., Casselman, Ontario, Canada. Mail-transferring apparatus. No. 1,235,578; Aug. 7; v. 241; p. 16.
- Lafon, Alphonse, Sewaren, N. J. Chain pipe-wrench. No. 1,237,659; Aug. 21; v. 241; p. 756.
- Lafont, Jean F., New Orleans, La. Decorticating, carding, and combing machine. No. 1,223,077; Apr. 17; v. 237; p. 797.
- Lafont, William A., St. Louis, Mo. Apparatus for unloading and distributing materials. No. 1,222,219; Apr. 10; v. 237; p. 458.
- Lafore, John A., Ardmore, Pa. Box construction. No. 1,218,872; Mar. 13; v. 236; p. 383.
- Laganke, Charles F., Cleveland, assignor, by mesne assignments, to The McCaskey Register Company, Alliance, Ohio. Auditing and filing apparatus. No. 1,235,701; Aug. 7; v. 241; p. 54.
- Lager, Dave O., Helena, Mont. Moisture-supplying device for incubators. No. 1,227,542; May 22; v. 238; p. 1298.
- Lagerbäck, Per G., Sattsjö-Dufnäs, Sweden. Socket for drills with conical shafts. No. 1,227,632; May 29; v. 238; p. 1358.
- Lagerbäck, Per G., Sattsjö-Dufnäs, Sweden. Vise. No. 1,246,438; Nov. 13; v. 244; p. 418.
- Lagergren, Jonas T., Toronto, Ontario, Canada. Water-purifier for ice-making. No. 1,211,184; Jan. 2; v. 234; p. 277.
- Lagerstrom, Leander A., Branford, Conn. Folding chair. No. 1,219,960; Mar. 20; v. 236; p. 788.
- Lago, Raymond N., San Francisco, Cal. Pocket-closure. No. 1,246,286; Nov. 13; v. 244; p. 372.
- Lagus, Robert, Abo, Finland, Russia. Telephone for long distances or for deaf persons. No. 1,239,702; Sept. 11; v. 242; p. 342.
- Lahart, John F., Minneapolis, Minn., C. J. Bour, and F. B. Harriman, Chicago, Ill. Apparatus for drying and conditioning grain and other materials. No. 1,232,336; July 3; v. 240; p. 267.

Alphabetical list of patentees—Continued.

- Labaussais, René E., Paris, France. Carbureter. No. 1,221,749; Apr. 3; v. 237; p. 259.
- Lahey, Frank T., Akron, Ohio. Making fibrous material. No. 1,233,252; July 10; v. 240; p. 597.
- Lahmeyer, Henry J. (See Kirsch and Lahmeyer.)
- Lahn, William E., et al. (See Cole, Samuel S., assignor.)
- Lahti, Elias, McMurray, Wash. Feed-cutter. No. 1,222,110; Apr. 10; v. 237; p. 418.
- Lahue, Moses M., Lowell, Mass. Apparatus for sighting and leveling guns. No. 1,227,633; May 29; v. 238; p. 1358.
- Lahue, Moses M., Lowell, Mass. Lug-strap supporter for looms. No. 1,250,327; Dec. 18; v. 245; p. 621.
- Laible, Frank J., assignor to The F. A. Neider Company, Augusta, Ky. Vehicle-curtain fastener. No. 1,247,411; Nov. 20; v. 244; p. 737.
- Laidley, Paul, St. Louis, Mo. Self-rising flour and making the same. No. 1,244,867; Oct. 30; v. 243; p. 1200.
- Laing, Allen E. (See Hindliff, Wilbert T., assignor.)
- Laing, Clayton, Chicago, Ill. Photometer. No. 1,218,940; Mar. 13; v. 236; p. 407.
- Laing, Hugh, and E. W. Ashby, Sunderland, England. Ship for carrying liquid cargoes in bulk. No. 1,234,675; July 24; v. 240; p. 1129.
- Laing, Sallie W., New York, N. Y. Diaper. No. 1,224,756; May 1; v. 238; p. 228.
- Laing, Selby A., Moundsville, W. Va. Hammock-support. No. 1,217,963; Mar. 6; v. 236; p. 26.
- Lair, Charles W., Bethel, Mo. Ejecting penholder. No. 1,244,343; Oct. 23; v. 243; p. 1005.
- Laird, Abraham L., Coal City, Ind. Furniture-caster. No. 1,221,750; Apr. 3; v. 237; p. 259.
- Laird, Frederick, assignor of one-half to J. T. Prince, Claypool, Okla. Seed-planter. No. 1,240,227; Sept. 18; v. 242; p. 545.
- Laisure, William H. (See Smith and Laisure.)
- Laitisch, Andrew, Pittsburgh, Pa. Ingot-mold. No. 1,229,295; June 12; v. 239; p. 360.
- Lajcak, Joseph, Erie, Colo. Base-ball mask. No. 1,222,002; Apr. 10; v. 237; p. 381.
- Lajcunesse, Euclid, Milwaukee, Wis. Block-finishing apparatus. No. 1,218,780; Mar. 13; v. 236; p. 348.
- Lake, Archibald, Parkland, Alberta, Canada. Spark-arrester. No. 1,215,288; Feb. 6; v. 235; p. 280.
- Lake, Cora H., Chicago, Ill. Method of and apparatus for testing corsets. No. 1,211,598; Jan. 9; v. 234; p. 451.
- Lake, David, assignor to The L. & H. Clutch Co., Norris-town, Pa. Clutch. No. 1,234,776; July 31; v. 240; p. 1195.
- Lake Erie Manufacturing Co. (See Pratt, James R., assignor.)
- Lake, Fred O., Washington, D. C. Vulcanizing-tongs. No. 1,219,414; Mar. 13; v. 236; p. 567.
- Lake, Fred O., Washington, D. C. Green-corn cutting and scraping implement. No. 1,224,474; May 1; v. 238; p. 130.
- Lake, George W., Rumford, assignor of one-half to F. W. Smith, Providence, R. I. Projectile-loading apparatus. No. 1,231,388; June 26; v. 239; p. 1133.
- Lake, John C., Big Prairie, Ohio. Sign-board. No. 1,223,803; Apr. 24; v. 237; p. 1084.
- Lake, John L., Cleveland, Ohio, assignor to A. S. Grant, Toronto, Canada. Vehicle. No. 1,227,634; May 29; v. 238; p. 1358.
- Lake, John L., Cleveland, Ohio, assignor to A. S. Grant, Toronto, Canada. Stabilizing mechanism for motor-cycles and the like. No. 1,227,635; May 29; v. 238; p. 1359.
- Lake, Simon, Milford, Conn. Apparatus for treating certain diseases of the human body. No. 1,224,180; May 1; v. 238; p. 23.
- Lake, Simon, Milford, Conn. Flying-machine. No. 1,247,412; Nov. 20; v. 244; p. 737.
- Lake, Simon, Milford, assignor to The Lake Torpedo Boat Company of Maine, Bridgeport, Conn. Torpedo-launching apparatus for submarine boats. No. 1,215,387; Feb. 13; v. 235; p. 349.
- Lake, Simon, Milford, assignor to The Lake Torpedo Boat Company of Maine, Bridgeport, Conn. Apparatus for transporting submarine torpedo-boats overland. No. 1,219,647; Mar. 20; v. 236; p. 679.
- Lake Torpedo Boat Company of Maine, The. (See Barraja-Frauenfelder, Joseph, assignor.)
- Lake Torpedo Boat Company of Maine, The. (See Gallagher, Edward G., assignor.)
- Lake Torpedo Boat Company of Maine, The. (See Lake, Simon, assignor.)
- Lake, Vincent F., Pleasantville, N. J. Slate-splitting tool. No. 1,219,622; June 12; v. 239; p. 471.
- Lakin, Harry W., Boston, Mass. Elastic ligature. No. 1,237,660; Aug. 21; v. 241; p. 756.
- Lakin, Harry W., Boston, Mass. Headlight for motor-vehicles, &c. No. 1,240,583; Sept. 18; v. 242; p. 654.
- Lakin, William T., Cumberland, Md. Reproducer. No. 1,246,616; Nov. 13; v. 244; p. 472.
- Lakso, Valentin, Chester Depot, Vt. Sleigh-runner for motor-cycles. No. 1,217,191; Feb. 27; v. 235; p. 1081.
- Laliberte, Henri J., St. Johnsbury, Vt. Hook. No. 1,240,986; Sept. 25; v. 242; p. 812.
- Lalley Electro-Lighting Corporation. (See Okey, Perry, assignor.)
- Lallman, Gilbert F., Arlington, Nebr. Ammunition-primer. No. 1,240,859; Sept. 25; v. 242; p. 773.
- Lallo, John. (See Marinaro, Nicola M., assignor.)
- Lally, Edward F., New York, N. Y. Safety-pin. No. 1,233,253; July 10; v. 240; p. 597.
- Lally, John, Boston, Mass. Cleaning and straightening rolls. No. 1,230,584; June 19; v. 239; p. 826.
- Lally, John J., St. Louis, Mo. Foot-blocking for switch-ticks. No. 1,246,439; Nov. 13; v. 244; p. 418.
- Lally, John T., assignor to National Bottle Washing Machine Company, Wilmington, Del. Bottle-washing machine. No. 1,242,817; Oct. 9; v. 243; p. 469.
- Lalor, James D., Philadelphia, Pa. Automatic drain-valve. No. 1,211,599; Jan. 9; v. 234; p. 452.
- Lamar, Alexis L., Pittsburg, Kans. Kerosene-vaporizer. No. 1,222,548; Apr. 10; v. 237; p. 574.
- Lamar, Frank P., Santa Ana, Cal. Oil-feed signal device. No. 1,229,097; June 5; v. 239; p. 242.
- Lamarre, Albert J., Pawtucket, R. I. Track-gage. No. 1,212,075; Jan. 9; v. 234; p. 617.
- Lamb, Clarence M. (See Smith and Lamb.)
- Lamb, Daniel E., Greenville, Pa. Device for repairing car-couplings. No. 1,245,601; Nov. 6; v. 244; p. 140.
- Lamb, George A., Los Angeles, Cal. Incinerating kelp. No. 1,240,737; Sept. 18; v. 242; p. 701.
- Lamb, George E., Randolph, Vt. Adding-machine. No. 1,233,066; July 10; v. 240; p. 538.
- Lamb, H. Mortimer, et al. (See Strickle, George R., assignor.)
- Lamb, John J., Detroit, Mich. Combined kerosene vaporizer and manifold. No. 1,217,781; Feb. 27; v. 235; p. 1287.
- Lamb, Joseph, Jersey City, N. J. Gas-heater. No. 1,223,182; Apr. 17; v. 237; p. 835.
- Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Electrical contact device. No. 1,217,964; Mar. 6; v. 236; p. 27.
- Lamb, Joseph F., and H. Fagan, assignors to Landers, Frary & Clark, New Britain, Conn. Making table-knives and product thereof. No. 1,212,969; Jan. 16; v. 234; p. 962.
- Lamb Knitting Machine Company. (See Harrison, Matthew, assignor.)
- Lamb, Mark R., Santiago, Chile, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Filtering. No. 1,242,355; Oct. 9; v. 243; p. 321.
- Lamb & Nash Company. (See Braddock, Edward I., assignor.)
- Lamb, Richard R., Arrowsmith, Ill. Cement-finishing tool. No. 1,239,608; Sept. 11; v. 242; p. 312.
- Lamb, Ruben G., Chelsea, assignor of one-half to J. G. Curtis, Dorchester, Mass. Pipe-holder. No. 1,231,915; July 3; v. 240; p. 123.
- Lamberson, George E., Brooklyn, N. Y. Cigarette-box wrapper. No. 1,227,159; May 22; v. 238; p. 1174.
- Lamberson, William H., Schenectady, N. Y. Shade and curtain fixture. No. 1,211,719; Jan. 9; v. 234; p. 491.
- Lambert, Anthony. (See Jovanovitz and Lambert.)
- Lambert, Charles G., Shreveport, La. Apparatus for cracking oils. No. 1,245,930; Nov. 6; v. 244; p. 238.
- Lambert, David, New York, N. Y. Apparatus for administering anesthetics. No. 1,222,421; Apr. 10; v. 237; p. 530.
- Lambert, Eddie, and W. E. Mathews, Baltic, Conn. Enamel. No. 1,234,777; July 31; v. 240; p. 1196.
- Lambert, Eric, Kansas City, Mo. Apparatus for drying wood veneer. No. 1,228,790; June 5; v. 239; p. 142.
- Lambert, Frank, Brooklyn, N. Y. Yielding fastening for joints. No. 1,229,623; June 12; v. 239; p. 471.
- Lambert, Frank B., assignor to Lambert Process Company, Chicago, Ill. Means for carrying out a process for burning bricks. No. 1,230,493; June 19; v. 239; p. 794.
- Lambert, Frank B., assignor to Lambert Process Company, Chicago, Ill. Burning bricks. No. 1,239,189; Sept. 4; v. 242; p. 149.
- Lambert, G. A. (See Flick, William S., assignor.)
- Lambert, Henry M., Portland, Oreg., assignor to Lambert Multiplus Company, Phoenix, Ariz. Cushion-tire for vehicle-wheels. No. 1,225,042; May 8; v. 238; p. 377.
- Lambert, Howard J., assignor of one-half to H. L. Frank, Portland, Oreg. Radiator. No. 1,226,224; May 15; v. 238; p. 819.
- Lambert, James F., Pittsburgh, Pa. License-tag holder. No. 1,230,176; June 19; v. 239; p. 690.
- Lambert, James J. (See Hahl and Lambert.)
- Lambert, John W. (See Fuller and Lambert.)
- Lambert Multiplus Company. (See Lambert, Henry M., assignor.)
- Lambert Process Company. (See Lambert, Frank B., assignor.)
- Lambeth, Thomas, Rachel, N. C. Folding chair. No. 1,241,742; Oct. 2; v. 243; p. 88.
- Lambrix, Mary J., Dayton, Ohio. Splash-board. No. 1,225,256; May 8; v. 238; p. 447.
- Lamme, Benjamin G., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,241,523; Oct. 2; v. 243; p. 16.
- Lamme, Benjamin G., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of distribution and control. No. 1,243,307; Oct. 16; v. 243; p. 656.

- Lamme, Benjamin G., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of distribution and control. No. 1,243,430; Oct. 16; v. 243; p. 692.
- Lamme, Benjamin G., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Dynamo-electric machine. No. 1,244,509; Oct. 30; v. 243; p. 1092.
- Lamme, Benjamin G., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Universal motor. No. 1,244,510; Oct. 30; v. 243; p. 1092.
- Lamme, Benjamin G., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Universal motor. No. 1,244,511; Oct. 30; v. 243; p. 1093.
- Lamme, Benjamin G., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of distribution and control. No. 1,246,617; Nov. 13; v. 244; p. 473.
- Lammert, Ferdinand E., Chicago, Ill. Temperature-regulator for combustion-engine cylinders. No. 1,223,078; Apr. 17; v. 237; p. 798.
- Lammert, Ferdinand E., Chicago, Ill. Temperature-regulator for internal-combustion engines. No. 1,223,079; Apr. 17; v. 237; p. 798.
- Lamon, Judson A., Montclair, N. J., assignor to McCord & Company, Chicago, Ill. Composite journal-box for car-trucks. No. 1,245,471; Nov. 6; v. 244; p. 98.
- Lamond, Kenneth. (See Harrison and Lamond.)
- Lamont, John A., Chicago, Ill., assignor to American Spring Foundries, New York, N. Y. Auxiliary spring for car-trucks. No. 1,210,493; Jan. 2; v. 234; p. 40.
- Lamont, Sydney E., Tacoma, Wash. Cushion sickle-head. No. 1,233,254; July 10; v. 240; p. 597.
- Lamothe, Jean G., New York, N. Y. Suspender connection. No. 1,213,386; Jan. 23; v. 234; p. 1141.
- Lamp, Arthur W., Cleveland, assignor of one-half to C. C. Marshall, Lakewood, and one-half to I. S. Payton, East Cleveland, Ohio. Automobile-lock. No. 1,230,907; June 26; v. 239; p. 970.
- Lampe, Tadeusz J., Warsaw, Russia. Bottle-washing machine. No. 1,225,653; May 8; v. 238; p. 582.
- Lampert, George, New York, N. Y. Desk or table lamp. No. 1,239,493; Sept. 11; v. 242; p. 275.
- Lampert, Henry H., Chicago, Ill. Rod-puller. No. 1,220,346; Mar. 27; v. 236; p. 963.
- Lampert, Henry H., Chicago, Ill. Wire-tightening device. No. 1,220,347; Mar. 27; v. 236; p. 963.
- Lamphicar, Wane, Anacortes, Wash. Combined garment-hook and clothes-hanger. No. 1,220,758; Mar. 27; v. 236; p. 1103.
- Lamplough, Frederick, London, England. Process and apparatus for the conversion of heavy hydrocarbons into lighter hydrocarbons. No. 1,229,098; June 5; v. 239; p. 243.
- Lampman, Robert M., Ancaster, Ontario, Canada. Forward and reverse gearing mechanism. No. 1,215,664; Feb. 13; v. 235; p. 452.
- Lamprecht, John, Sumner Iowa. Automobile-jack. No. 1,217,609; Feb. 27; v. 235; p. 1228.
- Lamson Company, The. (See Amsden, George A., assignor.)
- Lamson Company, The. (See Bixby, Walter, assignor.)
- Lamson Company, The. (See Cowley, James T., assignor.)
- Lamson Company, The. (See Hidden, Charles F., assignor.)
- Lamson Company, The. (See Jennings, Chester S., assignor.)
- Lamson Company, The. (See Needham, John T., assignor.)
- Lamson Company, The. (See Pearsall, Albert W., assignor.)
- Lamson Company, The. (See Powell, Frank D., assignor.)
- Lamson Company, The. (See Taisey, Fred R., assignor.)
- Lamson Company, The. (See Whittier, Frederick G., assignor.)
- Lamson, Franklin S., Washington, D. C. Making concrete structures, dams, walls, bridges, conduits, sewers, pavements, &c. No. 1,249,290; Dec. 4; v. 245; p. 250.
- Lanahan, James J., Buffalo, N. Y. Signal device for vehicles. No. 1,247,845; Nov. 27; v. 244; p. 897.
- Lancashire, Harry G., Winnipeg, Manitoba, Canada. Shocking-machine. No. 1,246,951; Nov. 20; v. 244; p. 605.
- Lancaster, Edwin G., Chicago, Ill. Internal-combustion engine. No. 1,229,761; June 12; v. 239; p. 516.
- Lancaster, George W., assignor to Central Development Company, Richmond, Va. Safety-shutter. No. 1,244,215; Oct. 23; v. 243; p. 965.
- Lancaster, Sallie L. (See Cropper and Lancaster.)
- Lancaster, Theodore P., Boston, and J. L. Struthers, Lynn, Mass. Electric signal. No. 1,216,820; Feb. 20; v. 235; p. 910.
- Lance, Robert, Paris, France. Treatment of the ores of certain metals. No. 1,247,413; Nov. 20; v. 244; p. 738.
- Lanchester, Frederick W., Edgbaston, Birmingham, England. Tooth-form for worm-gear. No. 1,210,494; Jan. 2; v. 234; p. 40.
- Land, Charles H., Detroit, Mich. Burner for dental furnaces. No. 1,227,277; May 22; v. 238; p. 1212.
- Land, Floyd B., Medford, Ore. Clutch mechanism for transmission-gearings. No. 1,225,144; May 8; v. 238; p. 411.
- Land, Herbert R., Little Rock, Ark. Lamp-socket lock. No. 1,226,338; May 15; v. 238; p. 862.
- Land, Joseph H., Tulsa, Okla. Grab-hook and strut-puller. No. 1,249,781; Dec. 11; v. 245; p. 423.
- Landahl, Eugene E., Tiffin, Ohio. Grading or screening apparatus. No. 1,232,052; July 3; v. 240; p. 175.
- Landau, David, New York, N. Y. Laminated spring. No. 1,241,743; Oct. 2; v. 243; p. 88.
- Landau, David, New York, N. Y. Spring. No. 1,241,744; Oct. 2; v. 243; p. 88.
- Landeen, James, Sidney, Ohio. Keyless padlock. No. 1,226,895; May 22; v. 238; p. 1081.
- Landell, Herbert S., Philadelphia, Pa., assignor to Anglo-American Cotton Products Corporation, New York, N. Y. Treating cotton-waste, &c. No. 1,222,422; Apr. 10; v. 237; p. 530.
- Lander, Thomas E. (See Hauenstein, John, assignor.)
- Lander, Thomas W. (See Gracey and Lander.)
- Landers, Clyde W., Tacoma, Wash. Brake-band. No. 1,229,624; June 12; v. 239; p. 471.
- Landers, Douglas J., et al. (See Norman, Frank, assignor.)
- Landers, Frary & Clark. (See Carlson, Frederick E., assignor.)
- Landers, Frary & Clark. (See Griffin, John B., assignor.) (Reissue.)
- Landers, Frary & Clark. (See Lamb, Joseph F., assignor.)
- Landers, Frary & Clark. (See Lamb and Fagan, assignors.)
- Landers, Frary & Clark. (See Moberg, Oscar, assignor.)
- Landers, Frary & Clark. (See Smart, Joseph F., assignor.)
- Landers, Frary & Clark. (See Smart and Griffin, assignors.)
- Landers, Frary & Clark. (See Smart and Magargal, assignors.)
- Landers, Frary & Clark. (See Walker, George, assignor.)
- Landers, John, assignor to H. W. Carter & Sons, Lebanon, N. H. Combined strap and waistband. No. 1,241,403; Sept. 25; v. 242; p. 943.
- Landers, John A., Canton, Ohio. Work-clamp. No. 1,218,420; Mar. 6; v. 236; p. 185.
- Landes, Charles P., Chicago, Ill. Vehicle. No. 1,249,123; Dec. 4; v. 245; p. 200.
- Landin, Peter J., Denver, Colo. Motion-picture film. No. 1,234,046; July 17; v. 240; p. 891.
- Landin, William J., St. Paul, Minn. Hair-pin. No. 1,247,414; Nov. 20; v. 244; p. 738.
- Landine, Peter N., assignor to The Rostand Manufacturing Company, Milford, Conn. Wind-shield. No. 1,251,055; Dec. 25; v. 245; p. 887.
- Landis, Abraham B., Enfield, Pa. Cutter-head. No. 1,220,348; Mar. 27; v. 236; p. 964.
- Landis, Abraham B., Enfield, Pa. Cutter-head. No. 1,221,193; Apr. 3; v. 237; p. 68.
- Landis, Abraham B., Enfield, Pa. Cutter-head. No. 1,232,570; July 10; v. 240; p. 376.
- Landis, George, Eugene, Ore. Portable support for cameras. No. 1,236,947; Aug. 14; v. 241; p. 490.
- Landis, Harry A., Raleigh, N. C. Combined indicator and recorder. No. 1,235,334; July 31; v. 240; p. 1366.
- Landis, Heinrich, Zug, Switzerland. Spring arrangement especially for contact devices. No. 1,215,665; Feb. 13; v. 235; p. 452.
- Landis, Henry M., Wolford, N. D. Cross-head bearing. No. 1,247,549; Nov. 20; v. 244; p. 776.
- Landis Machine Company. (See Fisher, Henry L., assignor.)
- Landis Machine Company. (See Goellner, Joseph J., assignor.)
- Landis Machine Company. (See Schweiss, Joseph, assignor.)
- Landis, Raymond F., Reading, Pa. Vacuum gear-shifting device. No. 1,251,246; Dec. 25; v. 245; p. 943.
- Landis, Walter S., Niagara Falls, N. Y., assignor to F. S. Washburn, Nashville, Tenn. Producing nitrore gases. No. 1,242,953; Oct. 16; v. 243; p. 547.
- Landmark, Hans B., Drammen, Norway. Precipitating organic substances in sulfate liquor. No. 1,236,948; Aug. 14; v. 241; p. 490.
- Landoll, Albert P., Lawton, Okla. Spring-wheel. No. 1,231,389; June 26; v. 239; p. 1133.
- Landon, William J., assignor of one-third to J. R. Wilcox, Seattle, Wash. Time-recorder. No. 1,236,321; Aug. 7; v. 241; p. 253.
- Lander, Arnold H. S., Florence, Italy. Airship. No. 1,239,796; Sept. 11; v. 242; p. 372.
- Landqvist, Victor N., assignor to Aktiebolaget Princeps, Gottenborg, Sweden. Means for stopping working machines. No. 1,241,859; Oct. 2; v. 243; p. 124.
- Landreth, Clarence F., Philadelphia, Pa. Electrochemical treatment of liquids. No. 1,222,637; Apr. 17; v. 237; p. 647.
- Landreth, Harry, assignor of five-eighths to F. M. Lutsch, one-sixteenth to H. B. Badgley, one-sixteenth to O. J. Dyckman, one-sixteenth to W. G. Dyckman, one-sixteenth to S. D. McKelvey, one-sixteenth to A. T. Hamerschmidt, and one-sixteenth to H. R. Dyckman, Fullerton, Cal. Automatic train-stopping device. No. 1,211,720; Jan. 9; v. 234; p. 401.
- Landry, Frank J., Amherst, Nova Scotia, Canada. Railway baggage-car and the like. No. 1,231,916; July 3; v. 240; p. 128.

Alphabetical list of patentees—Continued.

- Landry, Joseph E., New Bedford, Mass. Braking mechanism for automobiles. No. 1,227,805; May 29; v. 238; p. 1417.
- Landry, Joseph P., Uxbridge, Mass. Shuttle-guard. No. 1,220,434; Mar. 27; v. 236; p. 993.
- Landsberg, Alexander, New York, and H. Rubin, Brooklyn, N. Y. Loose-leaf binder. No. 1,238,410; Aug. 28; v. 241; p. 1030.
- Landsberg, Ludwig, Nuremberg, Germany. Manufacture of asphalt-like masses and derivatives therefrom. No. 1,211,721; Jan. 9; v. 234; p. 492.
- Landsiedel, Harry, assignor to The Dalton Adding Machine Company, Cincinnati, Ohio. Adding-machine. No. 1,225,654; May 8; v. 238; p. 583.
- Landsiedel, Harry, assignor to The Dalton Adding Machine Company, Cincinnati, Ohio. Adding and recording machine. No. 1,225,655; May 8; v. 238; p. 583.
- Landsiedel, Harry, assignor to The Dalton Adding Machine Company, Cincinnati, Ohio. Adding and recording machine. No. 1,225,656; May 8; v. 238; p. 584.
- Landsiedel, Harry, Poplar Bluff, Mo., assignor, by mesne assignments, to The Dalton Adding Machine Company, Cincinnati, Ohio. Operating mechanism for adding-machines. No. 1,248,678; Dec. 4; v. 245; p. 74.
- Landsiedel, Harry, Poplar Bluff, Mo., assignor, by mesne assignments, to The Dalton Adding Machine Company, Cincinnati, Ohio. Adding and recording machine. No. 1,249,124; Dec. 4; v. 245; p. 201.
- Landsiedel, Harry, Poplar Bluff, Mo., assignor, by mesne assignments, to The Dalton Adding Machine Company, Cincinnati, Ohio. Adding and recording machine. No. 1,249,279; Dec. 4; v. 245; p. 246.
- Landwehr, August H., assignor to Holland Furnace Company, Holland, Mich. Automatic damper. No. 1,211,600; Jan. 9; v. 234; p. 452.
- Lane, Alexander D., Rapid City, S. D. Folding table. No. 1,229,099; June 5; v. 239; p. 243.
- Lane, Alfred M., St. Louis, Mo. Weather-strip. No. 1,231,621; July 3; v. 240; p. 27.
- Lane, Alfred M., assignor to Monarch Metal Weather Strip Company, St. Louis, Mo. Metal weather-strip. No. 1,219,009; Mar. 13; v. 236; p. 430.
- Lane, Alfred M., assignor to Monarch Metal Weather Strip Company, St. Louis, Mo. Window-adjusting rod. No. 1,221,751; Apr. 3; v. 237; p. 260.
- Lane, Alfred M., assignor to Monarch Metal Weather Strip Company, St. Louis, Mo. Casement-window stay. No. 1,221,752; Apr. 3; v. 237; p. 260.
- Lane, Alfred M., assignor to Monarch Metal Weather Strip Company, St. Louis, Mo. Rolling spring metal. No. 1,229,480; June 12; v. 239; p. 422.
- Lane, Alfred M., assignor to Monarch Metal Weather Strip Company, St. Louis, Mo. Metal weather-stripping. No. 1,231,622; July 3; v. 240; p. 27.
- Lane, Alfred M., assignor to Monarch Metal Weather Strip Company, St. Louis, Mo. Fruit-tray. No. 1,244,617; Oct. 30; v. 243; p. 1125.
- Lane, Arthur P., Denver, Colo. Sash-fastener. No. 1,220,241; Mar. 27; v. 236; p. 923.
- Lane, Benjamin T., Hartline, Wash. Weed-cutter. No. 1,234,352; July 24; v. 240; p. 1027.
- Lane Bros. Co. (See Lane, George, assignor.)
- Lane, Charles A., C. D. Hendry, and J. B. Kirkaldie, Elma, Wash. Brake mechanism. No. 1,238,305; Aug. 28; v. 241; p. 997.
- Lane, Charles C., Los Angeles, Cal. Amalgamating apparatus. No. 1,221,461; Apr. 3; v. 237; p. 161.
- Lane, Charles C., San Francisco, Cal. Transmission-clutch control. No. 1,226,084; May 15; v. 238; p. 773.
- Lane, Cora M. (See Okell, George E., assignor.)
- Lane, Edward G. (See Lane, William I. and E. G.)
- Lane, Elmer E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Skiving-machine. No. 1,235,983; Aug. 7; v. 241; p. 149.
- Lane, Elmer E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Blank-fitting machine. No. 1,235,984; Aug. 7; v. 241; p. 149.
- Lane, Elmer E., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Blank-feeding mechanism. No. 1,247,846; Nov. 27; v. 244; p. 898.
- Lane, Franklin L., assignor to P. B. Yates Machine Company, Beloit, Wis. Matcher-head. No. 1,213,888; Jan. 30; v. 234; p. 1342.
- Lane, Franklin L., assignor to P. B. Yates Machine Company, Beloit, Wis. Profile cutter-head. No. 1,226,896; May 22; v. 238; p. 1082.
- Lane, Frederick H., Hollis, assignor of one-third to A. S. Moses, New York, and one-third to F. A. Westbrook, Brooklyn, N. Y. Chemical fire apparatus. No. 1,231,272; June 26; v. 239; p. 1094.
- Lane, Frederick W., Chico, Cal., assignor to The Diamond Match Company, Chicago, Ill. Means for treating match-splints with powdered material. No. 1,230,416; June 19; v. 239; p. 767.
- Lane, George, assignor to Lane Bros. Co., Poughkeepsie, N. Y. Lifting-jack. No. 1,227,915; May 29; v. 238; p. 1455.
- Lane, George, assignor to Lane Bros. Co., Poughkeepsie, N. Y. Lifting-jack. No. 1,231,623; July 3; v. 240; p. 28.
- Lane, George, Haverford, Pa. Socket for tennis-posts and the like. No. 1,224,387; May 1; v. 238; p. 98.
- Lane, George, Haverford, Pa. Apparatus for supporting lawn-tennis nets and the like. No. 1,224,388; May 1; v. 238; p. 98.
- Lane, George L., Williamstown, W. Va. Well-drilling bit. No. 1,218,671; Mar. 13; v. 236; p. 308.
- Lane, Henry M., Detroit, Mich. Manufacture of molded sand articles, such as foundry-cores and dry-sand molds. No. 1,233,067; July 10; v. 240; p. 538.
- Lane, James H., Grand Junction, Colo. Flume. No. 1,220,519; Mar. 27; v. 236; p. 1023.
- Lane, John J., St. Louis, Mo. Valve. No. 1,225,974; May 15; v. 238; p. 734.
- Lane, John T. (See McGrath and Lane.)
- Lane, Monte M., and H. L. Boston, Long Point, Ill. Automobile-lifting device. No. 1,248,872; Dec. 4; v. 245; p. 133.
- Lane, Oscar A., D. Guice, and H. P. Dohrmeier, Greenville, Ala. Crate or box. No. 1,232,337; July 3; v. 240; p. 267.
- Lane, William I. and E. G., South Orange, N. J. Portable heater. No. 1,246,760; Nov. 13; v. 244; p. 513.
- Lanehart, David J., Baltimore, Md. Signal for automobiles. No. 1,215,037; Feb. 6; v. 235; p. 196.
- Laney, Andrew T., Clinton, Mo. Tire-protector. No. 1,216,141; Feb. 13; v. 235; p. 623.
- Lanford, David L., Coleman, Tex. Cutting mechanism for display-racks. No. 1,215,388; Feb. 13; v. 235; p. 350.
- Lanfranco, Julio E., Valparaiso, Chile. Guide for cleaning-rods of firearms. No. 1,251,247; Dec. 25; v. 245; p. 943.
- Lang, Charles J., Lawrenceburg, Ind. Shoe-support. No. 1,225,657; May 8; v. 238; p. 574.
- Lang, Charles R., Cathcart, assignor to G. & J. Weir, Limited, Glasgow, Scotland. Centrifugal pump. No. 1,241,128; Sept. 25; v. 242; p. 856.
- Lang, George H., Auburn, Victoria, Australia. Locking attachment for bolts and nuts, wheel-caps, and the like. No. 1,221,194; Apr. 3; v. 237; p. 68.
- Lang, George L., assignor to Splitdorf Electrical Company, Newark, N. J. Method of generating ignition currents for internal-combustion engines and apparatus therefor. No. 1,233,587; July 17; v. 240; p. 746.
- Lang, Henry T., Fremont, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Dry-cell-tamping apparatus. No. 1,241,226; Sept. 25; v. 242; p. 887.
- Lang, James S., Boston, Mass. Flying-machine. No. 1,216,577; Feb. 20; v. 235; p. 828.
- Lang, James S., Boston, Mass. Plane for flying-machines. No. 1,241,860; Oct. 2; v. 243; p. 124.
- Lang, Johan G. V., assignor to Greenfield Paper Bottle Company, New York, N. Y. Manufacture of paper bottles. No. 1,230,177; June 19; v. 239; p. 690.
- Lang, Victor A., North Fort Worth, Tex. Gage-cock. No. 1,214,326; Jan. 30; v. 234; p. 1495.
- Lang, Walter S., Pittsburgh, Pa. Brush-back-boring machine. No. 1,251,056; Dec. 25; v. 245; p. 888.
- Langan, George R., New York, N. Y. Gear-puller. No. 1,227,457; May 22; v. 238; p. 1269.
- Langdale, Stonay L., *et al.* (See Feltz, Charles F., assignor.)
- Langdale, Stonay L., *et al.* (See Shelton, Edwin T., assignor.)
- Langdale, William H., *et al.* (See Shelton, Edwin T., assignor.)
- Langdale, Wm. H., *et al.* (See Feltz, Charles F., assignor.)
- Langdon, Jesse D., Waterville, Wash., assignor to The Auxiliary Cooler Company. Cushioned valve-tappet. No. 1,241,745; Oct. 2; v. 243; p. 89.
- Langdon, Martin B., Pardeeville, Wis. Flash-light switch. No. 1,211,322; Jan. 2; v. 234; p. 325.
- Lange, Berthold A., Webster Groves, Mo. Crate. No. 1,210,954; Jan. 2; v. 234; p. 199.
- Lange, Casimir M., Brooklyn, N. Y. Window shade bracket. No. 1,220,759; Mar. 27; v. 236; p. 1104.
- Lange, Hermann, and K. Mette, Petrograd, Russia. Manufacture of horseshoes. No. 1,246,440; Nov. 13; v. 244; p. 419.
- Lange, Hugo A., Little Rock, Ark. Graver-sharpener. No. 1,239,494; Sept. 11; v. 242; p. 275.
- Lange, John, Jr., assignor of one-third to C. J. Fredrickson and one-third to A. F. Swan, Des Moines, Iowa. Toilet. No. 1,213,113; Jan. 16; v. 234; p. 1012.
- Lange, John H., assignor of one-half to W. H. Schwab, Muscatine, Iowa. Emergency draft-windlass. No. 1,229,762; June 12; v. 239; p. 516.
- Lange, Louis E., Forty Fort, Pa. Holder for ironing-board covers. No. 1,248,504; Dec. 4; v. 245; p. 22.
- Lange, Max, Steglitz, assignor to Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Optical system of variable magnification. No. 1,236,722; Aug. 14; v. 241; p. 418.
- Lange, Pieter de, and R. Aernout, Utrecht, Netherlands, assignors to Naamlooze Vennootschap De Nederlandsche Thermo-Telefoon Maatschappij, Utrecht, Netherlands. Thermic telephone. No. 1,243,048; Oct. 16; v. 243; p. 578.
- Lange, Pieter de, and R. A. B. Van Lynden, Utrecht, Netherlands, assignors to Naamlooze Vennootschap De Nederlandsche Thermotelefoon Maatschappij, Utrecht, Netherlands. Thermic telephone. No. 1,245,575; Nov. 6; v. 244; p. 131.

- Lange, Pieter de, and R. A. B. Van Lynden, Utrecht, Netherlands, assignors to Naamlooze Vennootschap De Nederlandsche Thermo-Telefoon Maatschappij, Utrecht, Netherlands. Manufacture of heating elements for thermic telephones. No. 1,246,065; Nov. 13; v. 244; p. 306.
- Lange, Werner. (See Kirchhoff, Dedichen, and Lange.)
- Langenberg, George O., St. Louis, Mo. Vacuum conveying apparatus. No. 1,248,680; Dec. 4; v. 245; p. 74.
- Langer, Gotthold L., assignor to J. M. Mastoras, Portland, Oreg. Candy-pulling machine. No. 1,232,697; July 10; v. 240; p. 417.
- Langer, Robert F., San Francisco, Cal. Making phosphorescent colors. No. 1,244,058; Oct. 23; v. 243; p. 919.
- Langer, Rudolph J. (See Jenney and Langer.)
- Langerman, Richard A., Louisville, Ky. Ammunition-pocket for hunting-coats and the like. No. 1,212,513; Jan. 16; v. 234; p. 802.
- Langevin, Albert, Montreal, Quebec, Canada. Heater. No. 1,215,555; Feb. 13; v. 235; p. 410.
- Langford, Edwin L., Haledon, N. J. Combination-tool. No. 1,250,328; Dec. 18; v. 245; p. 622.
- Langford, Frank, Eureka, Cal. Producing aluminum compounds. No. 1,249,125; Dec. 4; v. 245; p. 201.
- Langford, Frank, Eureka, Cal. Purifying clay and other silicious and aluminous earths and ores. No. 1,251,057; Dec. 25; v. 245; p. 888.
- Langford, Frank, Eureka, Cal. Purifying aluminous ores, earths, clays, and sand. No. 1,251,058; Dec. 25; v. 245; p. 888.
- Langford, George, Joliet, Ill., assignor to American McKenna Process Company, Milwaukee, Wis. Treatment of worn steel rails. No. 1,212,364; Jan. 16; v. 234; p. 749.
- Langford, George, Joliet, Ill., assignor to American McKenna Process Company, Milwaukee, Wis. Treatment of worn steel rails. No. 1,212,365; Jan. 16; v. 234; p. 749.
- Langford, George, Joliet, Ill., assignor to American McKenna Process Company, Milwaukee, Wis. Railway-rail for use on curves. No. 1,212,366; Jan. 16; v. 234; p. 750.
- Langford, George, Joliet, Ill., assignor to American McKenna Process Company, Milwaukee, Wis. Steel rail for railways or the like. No. 1,212,964; Jan. 16; v. 234; p. 960.
- Langford, James M., Mulberry, Fla. Irrigating apparatus. No. 1,217,782; Feb. 27; v. 235; p. 1287.
- Langford, Jeremiah E., Salt Lake City, Utah. Railway-tie and rail-grip. No. 1,227,636; May 29; v. 238; p. 1359.
- Langley, Jesse R., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting system for automobiles. No. 1,246,761; Nov. 13; v. 244; p. 513.
- Langford, Theron S., assignor to Ann Arbor Machine Co., Ann Arbor, Mich. Cutter-wheel for ensilage-cutters. No. 1,249,426; Dec. 11; v. 245; p. 318.
- Langford, Theron S., and F. F. Billings, assignors to Ann Arbor Machine Co., Ann Arbor, Mich. Casing for silo-fillers. No. 1,234,353; July 24; v. 240; p. 1027.
- Langheck, Gustavus F., Chicago, Ill. Advertising device. No. 1,210,955; Jan. 2; v. 234; p. 200.
- Langley, Arthur R., Victoria, British Columbia, Canada. Lock attachment. No. 1,249,126; Dec. 4; v. 245; p. 201.
- Langley, Kate M. (See Mendal, Henry L., assignor.)
- Langley, Sam G., assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Means for charging storage batteries. No. 1,215,809; Feb. 6; v. 235; p. 287.
- Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Means for indicating electrical characteristics of alternating currents. No. 1,219,961; Mar. 20; v. 236; p. 788.
- Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Electrostatic telephone system. No. 1,223,496; Apr. 24; v. 237; p. 974.
- Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Producing vacuums. No. 1,237,210; Aug. 14; v. 241; p. 571.
- Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Electron-discharge apparatus and method of preparation. No. 1,244,216; Oct. 23; v. 243; p. 966.
- Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Electron-discharge apparatus and method of operating the same. No. 1,244,217; Oct. 23; v. 243; p. 966.
- Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Incandescent lamp. No. 1,246,118; Nov. 13; v. 244; p. 321.
- Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Method of and apparatus for controlling X-ray tubes. No. 1,251,388; Dec. 25; v. 245; p. 985.
- Langner, Lawrence, New York, N. Y. Lighting appliance. No. 1,224,386; May 1; v. 238; p. 98.
- Langner, Lawrence, New York, N. Y., assignor to The Dayton Engineering Laboratories Company. Engine-starting system. No. 1,234,676; July 24; v. 240; p. 1130.
- Langos, Otto A., assignor to M. M. Ostertag, Chicago, Ill. Automatic air-torpedo. No. 1,220,242; Mar. 27; v. 236; p. 924.
- Langsenkamp, William, Jr., Trustee. (See Miller, Frank S., assignor.)
- Langslow Fowler Company. (See Thum, Martin, assignor.)
- Langslow, Harry R. (See Lattig, Charles I., assignor.)
- Langslow, Harry R., Rochester, N. Y. School-chair. No. 1,217,783; Feb. 27; v. 235; p. 1288.
- Langstaff, Lewis G., Toronto, Ontario, Canada. Liquid-dispensing vessel. No. 1,250,598; Dec. 18; v. 245; p. 703.
- Langston, Ira A., et al. (See Thomas, Martin E., assignor.)
- Langston, Samuel M., Wenonah, assignor to Samuel M. Langston Company, Camden, N. J. Sheet feeding and stacking mechanism. No. 1,214,188; Jan. 30; v. 234; p. 1444.
- Langston, Samuel M., Wenonah, assignor to Samuel M. Langston Company, Camden, N. J. Sheet-feeding mechanism. No. 1,242,356; Oct. 9; v. 243; p. 322.
- Langtelg, John, Centerville, S. D. Rotary internal-combustion engine. No. 1,247,973; Nov. 27; v. 244; p. 933.
- Langton, George H., assignor of one-half to J. W. Small, Portsmouth, Va. Locomotive-journal-box mounting. No. 1,213,506; Jan. 23; v. 234; p. 1182.
- Langton, George H., assignor of one-half to J. W. Small, Portsmouth, Va. Adjustable locomotive driving-box brass. (Reissue.) No. 14,275; Mar. 20; v. 236; p. 867.
- Lanier, Edward H., and F. K. Driesbach, Cincinnati, Ohio. Machine for forming and baking hollow pastry forms. No. 1,215,556; Feb. 13; v. 235; p. 410.
- Lanman, Guy R., El Reno, Okla. Spark-plug protector. No. 1,245,931; Nov. 6; v. 244; p. 238.
- Lannert, Raymond N. (See Johnson, Floyd, assignor.)
- Lanning, Charles E., Old Mission, Mich. Device for stripping the leaves from fruit. No. 1,222,003; Apr. 10; v. 237; p. 382.
- Lanning, Charles D. (See Field, Hathaway, and Lanning.)
- Lanning, Charles D. (See Hathaway and Lanning.)
- Lanning, Charles D., assignor to O. B. Roberts, trustee, Boston, Mass. Telephone repeating instrument. No. 1,250,192; Dec. 18; v. 245; p. 581.
- Lanning, Charles D., Boston, and S. C. Drew, Brookline, assignors to C. D. Lanning, Boston, Mass. Telephone-circuit arrangements. No. 1,215,038; Feb. 6; v. 235; p. 196.
- Lanning, James K. (See Cuniff and Lanning.)
- Lanning, James K., Fall River, Mass. Picker-check. No. 1,238,791; Sept. 4; v. 242; p. 22.
- Lanning, James K., Fall River, Mass. Picker-check. No. 1,244,101; Oct. 23; v. 243; p. 931.
- Lannoye, Joseph G., Detroit, Mich. Toothpick-holder. No. 1,214,327; Jan. 30; v. 234; p. 1496.
- Lannoye, Joseph G., Detroit, Mich. Condiment-shaker. No. 1,246,618; Nov. 13; v. 244; p. 473.
- Lanphear, Walter H., Worcester, Mass. Journal-lubricating device. No. 1,214,554; Feb. 6; v. 235; p. 25.
- Lanphier, Robert C., assignor to Sangamo Electric Company, Springfield, Ill. Electricity-meter. No. 1,219,648; Mar. 20; v. 236; p. 679.
- Lanphier, Robert C., assignor to Sangamo Electric Company, Springfield, Ill. Mercury motor-meter. No. 1,225,975; May 15; v. 238; p. 734.
- Langston Monotype Machine Company. (See Bancroft and Indahl, assignors.)
- Langston Monotype Machine Company. (See Bancroft, Indahl, and Hofberg, assignors.)
- Langston Monotype Machine Company. (See Indahl, Mauritz C., assignor.)
- Langston Monotype Machine Company. (See Knight, Amos L., assignor.)
- Langston Monotype Machine Company. (See Walden, Lester M., assignor.)
- Lantis, Carl J., Chapman, Kans. Trap. No. 1,231,390; June 26; v. 239; p. 1134.
- Lantis, Carl J., Chapman, Kans. Headlight control. No. 1,233,886; July 17; v. 240; p. 840.
- Lantz, Elmer G., Tillamook, Oreg. Oil-burner. No. 1,241,404; Sept. 25; v. 242; p. 944.
- Lantzer, Harvey O., Aurora, Nebr. Gang-plow hitch. No. 1,216,142; Feb. 13; v. 235; p. 623.
- Lape, Willard E., assignor of one-half to W. J. Lewis, Syracuse, N. Y. Power-transmitting mechanism for motor-vehicles. No. 1,235,817; Aug. 7; v. 241; p. 94.
- Lapedes, Abraham, New York, N. Y. Window-cleaning device. No. 1,232,815; July 10; v. 240; p. 457.
- Lapeer Tractor-Truck Company. (See Winn, Sidney B., assignor.)
- Lapham, Charles C., assignor to G. T. Lapham, New York, N. Y. Type-writer support. No. 1,245,243; Nov. 6; v. 244; p. 31.
- Lapham, Grace T. (See Lapham, Charles C., assignor.)
- Lapham, Jerry M., Marietta, Ohio. Washboard. No. 1,237,066; Aug. 14; v. 241; p. 528.
- Lapierre, Frederick E., Cardiff, Alberta, Canada. Automatic train-stopping apparatus. No. 1,214,328; Jan. 30; v. 234; p. 1496.
- Lapointe Machine Tool Company. (See Lapointe, Ralph R., assignor.)

Alphabetical list of patentees—Continued.

- Lapointe, Ralph R., assignor to Lapointe Machine Tool Company, Hudson, Mass. Spiral broaching appliance. No. 1,218,191; Mar. 6; v. 236; p. 105.
- Lapointe, Ralph R., assignor to The Lapointe Machine Tool Company, Hudson, Mass. Indexing broach mechanism. No. 1,233,373; July 17; v. 240; p. 673.
- Laporte, Georges, Hawkesbury, Ontario, Canada. Spring-wheel. No. 1,229,625; June 12; v. 239; p. 471.
- Lapp, Herbert F. (See States and Lapp.)
- Lapp, Leslie W. (See Wells and Lapp.)
- Lappas, Nikilas, Salem, Mass. Automatic poultry-feeder. No. 1,219,114; Mar. 13; v. 236; p. 464.
- Lappen, James E., assignor to Union Fibre Company, Winona, Minn. Heat-insulating board composed of cereal straw. No. 1,225,443; May 8; v. 238; p. 514.
- Lappen, James E., assignor to Union Fibre Company, Winona, Minn. Composition of matter for making fire-proof and waterproof boards. No. 1,226,779; May 22; v. 238; p. 1044.
- Lappen, James E., assignor to Winona Pulp & Paper Company, Winona, Minn. Making paper-stock from cereal straw. No. 1,236,723; Aug. 14; v. 241; p. 419.
- Laraway, Henry D. (See Rankin and Laraway.)
- Laraway, Henry D., and B. Falkenberg, assignors to Hot-pot Electric Heating Company, Ontario, Cal. Articulated metal shell for an electric hot-pad. No. 1,240,584; Sept. 18; v. 242; p. 654.
- Larcomb, D. C., *et al.* (See Haft, Albert C., Jr., assignor.)
- Larcomb, M. W., *et al.* (See Haft, Albert C., Jr., assignor.)
- Lard, Allan E., Washington, D. C., assignor to The Metallic Shaft Company, Wilmington, Del. Golf-club. No. 1,218,091; Mar. 6; v. 236; p. 70.
- Lard, Allan E., Washington, D. C., assignor to The Metallic Shaft Company, Wilmington, Del. Golf-club. No. 1,232,816; July 10; v. 240; p. 457.
- Lard, Allan E., Washington, D. C., assignor to The Metallic Shaft Company, Wilmington, Del. Golf-club head. No. 1,249,127; Dec. 4; v. 245; p. 201.
- Lare, Charles A., Eugene, Oreg. Flash-light-ignition system for cameras. No. 1,221,063; Apr. 3; v. 237; p. 20.
- Larger, Joseph, Youngstown, Ohio. Condensed-milk-can opener. No. 1,215,821; Feb. 13; v. 235; p. 506.
- Lark, Everard T., New Hanover, Ill. Fastener for automobile-hoods. No. 1,222,549; Apr. 10; v. 237; p. 575.
- Larkin, Charles, *et al.* (See Silvis, Sankey S., assignor.)
- Larkin, Charles A., Wonewoc, Wis. Grader. No. 1,218,782; Mar. 13; v. 236; p. 349.
- Larkin Company. (See Morey and Craine, assignors.)
- Larkin, Edward, *et al.* (See Silvis, Sankey S., assignor.)
- Larkin, Elwood T., assignor to Sterling Engine Company, Buffalo, N. Y. Brake mechanism. No. 1,246,952; Nov. 20; v. 244; p. 606.
- Larkin, Matthew T., Spokane, Wash. Rerailing-frog holder. No. 1,216,706; Feb. 20; v. 235; p. 871.
- Larkin, Thomas P., Brockton, Mass. Reinforced last. No. 1,247,550; Nov. 20; v. 244; p. 776.
- Larkin, Walter, assignor to H. Brinton Company, Philadelphia, Pa. Threading attachment for stop-motions. No. 1,226,538; May 15; v. 238; p. 924.
- Larkin, Walter, Boston, Mass., assignor to Jenckes Knitting Machine Company, Pawtucket, R. I. Circular-knitting machine. No. 1,244,991; Oct. 30; v. 243; p. 1238.
- Larmore, James A., Westgrove, Pa. Car-coupling. No. 1,226,085; May 15; v. 238; p. 773.
- Larned, John W., Brooklyn, Conn. Valve-grinding tool. No. 1,248,347; Nov. 27; v. 244; p. 1037.
- Larnecke, Wallock, *et al.* (See Schneider, Daniel, assignor.)
- Laroche, Olivier, assignor to Canadian Knitting Company, Limited, Hamilton, Ontario, Canada. Stop-motion for knitting-machines. No. 1,212,367; Jan. 16; v. 234; p. 750.
- Larony, Philip M., Chicago, Ill. Nut-lock. No. 1,242,818; Oct. 9; v. 243; p. 470.
- Larose Joseph A., *et al.* (See Smith and Frost, assignors.)
- Larrabee, Samuel O. (See Phianey and Larrabee.)
- Larrimer, Jesse P., Brooklyn, N. Y. Tire. No. 1,239,278; Sept. 4; v. 242; p. 180.
- Larrowe, Arthur M., Canisteo, N. Y. Device for preventing hens from setting. No. 1,234,778; July 31; v. 240; p. 1196.
- Larrowe Construction Company. (See Peacock, Benjamin, assignor.)
- Larsen, Albert T., *et al.* (See Aze, Emile, assignor.)
- Larsen, Anders. (See Parks, George M., assignor.)
- Larsen, Arnold, Cleveland, Ohio. Dispensing device. No. 1,218,092; Mar. 6; v. 236; p. 71.
- Larsen, Charles F., San Francisco, Cal. Gas-lighter. No. 1,244,747; Oct. 30; v. 243; p. 1165.
- Larsen, Fredrick, Skandia, Mich. Timber-feeder for saw-mills. No. 1,219,649; Mar. 20; v. 236; p. 679.
- Larsen Ice Machine Company. (See Ewen and McCurdy, assignors.)
- Larsen, Ivert, assignor to F. H. Smith Manufacturing Company, Chicago, Ill. Button-feeding mechanism. No. 1,239,797; Sept. 11; v. 242; p. 372.
- Larsen, Laurits, Brooklyn, N. Y. Combination furniture. No. 1,248,348; Nov. 27; v. 244; p. 1038.
- Larsen, Lewis H., Racine, Wis., assignor to United Shoe Machinery Company, Paterson, N. J. Hold-down for lasting-machines. No. 1,218,783; Mar. 13; v. 236; p. 349.
- Larsen, Marie, Jamaica, N. Y. Washdrainer. No. 1,243,841; Oct. 23; v. 243; p. 854.
- Larsen, Olaf. (See Valerius and Larsen.)
- Larsen, Peter, Cattaraugus, N. Y. Milking apparatus. No. 1,239,407; Sept. 4; v. 242; p. 219.
- Larsen, William H., Racine, Wis. Direction-indicator. No. 1,223,183; Apr. 17; v. 237; p. 836.
- Larsh, Everett P., assignor to The Burnett-Larsh Manufacturing Co., Dayton, Ohio. Pump. No. 1,242,104; Oct. 2; v. 243; p. 202.
- Larsh, Everett P., assignor to The Burnett-Larsh Manufacturing Company, Dayton, Ohio. Operating mechanism for cut-outs. No. 1,248,505; Dec. 4; v. 245; p. 221.
- Larson, Andrew, Oakland, Cal. Cutter-head. No. 1,211,323; Jan. 2; v. 234; p. 325.
- Larson, Andrew F., Portland, Oreg. Door-hanger. No. 1,219,826; Mar. 20; v. 236; p. 741.
- Larson, Anton, assignor of one-half to F. L. Olson, Denham, Minn. Cattle-killing device. No. 1,214,929; Feb. 6; v. 235; p. 156.
- Larson, August V., Bridgeport, Conn. Wave-motor. No. 1,223,184; Apr. 17; v. 237; p. 836.
- Larson, Carl E., Long Island City, N. Y. Adjustable mechanical elbow. No. 1,218,672; Mar. 13; v. 236; p. 308.
- Larson, Carl W., Erie, Pa., assignor to General Electric Company. Electric locomotive. No. 1,221,753; Apr. 3; v. 237; p. 260.
- Larson, Charles A., Lemont, Ill. Sanitary milk-pail. No. 1,245,932; Nov. 6; v. 244; p. 238.
- Larson, David, Berlin, Germany, assignor to Otis Elevator Company, Jersey City, N. J. Elevator-control system. No. 1,225,976; May 15; v. 238; p. 735.
- Larson, David C. (See Lindquist and Larson.)
- Larson, Edward, Hartford, Conn. Spring-counterbalance device for window-sashes. No. 1,235,702; Aug. 7; v. 241; p. 55.
- Larson, Edward, Lerdala, Sweden. Safety device for firearms. No. 1,239,920; Sept. 11; v. 242; p. 413.
- Larson, Edward A., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Rotation-meter. No. 1,214,690; Feb. 6; v. 235; p. 74.
- Larson, Edward A., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Bracket. No. 1,246,119; Nov. 13; v. 244; p. 321.
- Larson, Enoch J., New York, N. Y. Ventilated shoe. No. 1,248,873; Dec. 4; v. 245; p. 133.
- Larson, Frank O., Aurora, Ill., assignor to Rathbone, Sard & Company, Albany, N. Y. Stove. No. 1,241,227; Sept. 25; v. 242; p. 887.
- Larson, George, Roseburg, Oreg. Train-indicator. No. 1,251,248; Dec. 25; v. 245; p. 940.
- Larson, Gustaf, assignor to Los Angeles Pressed Brick Company, Los Angeles, Cal. Tile roof and laying the same. No. 1,248,349; Nov. 27; v. 244; p. 1038.
- Larson, Helen O., Cheyenne, Wyo. Cooker. No. 1,229,192; June 5; v. 239; p. 275.
- Larson, John A. (See Holmes, Chris W., assignor.)
- Larson, John G., Oakland, Cal. Book-rack. No. 1,245,111; Oct. 30; v. 243; p. 1274.
- Larson, John W., Omaha, and K. C. Knudson, Fullerton, Nebr. Sign. No. 1,217,192; Feb. 27; v. 235; p. 1081.
- Larson, Lawrence, Milford, Iowa. Wagon-jack. No. 1,211,601; Jan. 9; v. 234; p. 453.
- Larson, Leonard M., and C. J. Carlson, Tacoma, Wash. Clothes-tongs. No. 1,226,539; May 15; v. 238; p. 924.
- Larson, Martin, Chicago, Ill. Boot. No. 1,223,804; Apr. 24; v. 237; p. 1084.
- Larson, Martin S., assignor to Emerson-Brantingham Company, Rockford, Ill. Governor control. No. 1,243,078; Oct. 16; v. 243; p. 589.
- Larson, Nils E., New York, N. Y. Clench curtain-clamp. No. 1,244,748; Oct. 30; v. 243; p. 1165.
- Larson, Oscar J., Le Roy, Minn. Advertising and book-holding apparatus. No. 1,240,151; Sept. 11; v. 242; p. 480.
- Larson, Peter S., Olympia, Wash. Leaf-spring for vehicles. No. 1,235,703; Aug. 7; v. 241; p. 55.
- Larson, Peter S., Beloit, Wis. Demountable rim for vehicle-wheels. No. 1,248,350; Nov. 27; v. 244; p. 1038.
- Larson, Rudolph A., Brooklyn, N. Y. Lap-table for steamer-chairs. No. 1,248,138; Nov. 27; v. 244; p. 978.
- Larson, Thomas, Briceville, Minn. Wagon-rack. No. 1,247,847; Nov. 27; v. 244; p. 898.
- Larson, Victor A., Chicago, Ill. Humidifying device. No. 1,241,524; Oct. 2; v. 243; p. 17.
- Larson, Walter J., Wrangell, Alaska. Fish-trap. No. 1,230,585; June 19; v. 239; p. 826.
- Larson, Willard, Preston, Idaho. Beet thinner and weeder. No. 1,251,059; Dec. 25; v. 245; p. 889.
- Larsson, Carl H., Tycklingen, near Vadstena, Sweden. Seed-drill. No. 1,218,421; Mar. 6; v. 236; p. 185.
- Larsson, Gustaf M., Newark, N. J., assignor to Eck Dynamo and Motor Company. Dynamo-electric machine. No. 1,244,868; Oct. 30; v. 243; p. 1201.
- Lasares, George C., Springfield, Mass. Toy cannon. No. 1,218,093; Mar. 6; v. 236; p. 71.
- Lasater, D. C., *et al.* (See Sartain, Louis M., assignor.)

- Lasche, Oscar, Charlottenburg, Germany, assignor to General Electric Company. Crank-shaft. No. 1,251,389; Dec. 25; v. 245; p. 986.
- Lasche, Oskar, Charlottenburg, Germany, assignor to General Electric Company. Starting mechanism for multicylinder internal-combustion engines. No. 1,212,779; Jan. 16; v. 234; p. 897.
- Lash, Horace W., Cleveland, Ohio, assignor to The West Coast Iron Company. Making cast-iron. No. 1,220,349; Mar. 27; v. 236; p. 964.
- Lashar, Walter B., assignor to American Chain Company, Incorporated, Bridgeport, Conn. Dual-tire grip. No. 1,216,464; Feb. 20; v. 235; p. 788.
- Lashbrook, Delmon R., Owensboro, Ky. Automobile safety-signal. No. 1,235,335; July 31; v. 240; p. 1366.
- Lasiewicz, Paul. (See Lasiewicz, Stanley and P.)
- Lasiewicz, Stanley and P., Three Lakes, Wis. Metallic tie and rail-fastener. No. 1,223,805; Apr. 24; v. 237; p. 1085.
- Lasker, William W., Brooklyn, assignor to Powers Accounting Machine Company, New York, N. Y. Ribbon-reverse mechanism. No. 1,249,640; Dec. 11; v. 245; p. 380.
- Laskewitz, Edward T., Lynnville, assignor of one-half to L. C. Schnell, Kellogg, Iowa. Rail-joint. No. 1,224,857; May 1; v. 238; p. 262.
- Laskey, William B., Marblehead, Mass. Candy-making machine. No. 1,242,562; Oct. 9; v. 243; p. 388.
- Lasrich, Paul, *et al.* (See Von Rohl, Paul, assignor.)
- Lassen, Axel J. L., Copenhagen, Denmark. Machine for closing bottles and the like with capsules. No. 1,224,937; May 8; v. 238; p. 341.
- Lassen, Axel J. L., Copenhagen, Denmark. Spring supporting device for vehicles. No. 1,226,225; May 15; v. 238; p. 820.
- Lassing, Walter H. (See Wells, Frank O., assignor.)
- Laternen-Vertriebs-Gesellschaft mit beschränkter Haftung. (See Windhausen, Friederick, assignor.)
- Latham, Albert, Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Skiving-machine. No. 1,218,673; Mar. 13; v. 236; p. 309.
- Latham, Albert, Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Method of making tubular knives. No. 1,221,195; Apr. 3; v. 237; p. 68.
- Latham, Albert, Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Tack-supplying mechanism. No. 1,223,401; Apr. 24; v. 237; p. 939.
- Latham, Albert, Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Thread-lock. No. 1,226,086; May 15; v. 238; p. 774.
- Latham, Albert, Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Skiving-knife. No. 1,232,428; July 31; v. 240; p. 295.
- Latham, Dudley E., New York, N. Y. Garment-supporter. No. 1,238,306; Aug. 28; v. 241; p. 997.
- Latham, Harry E. (See Kass, Samuel M., assignor.)
- Latham-Leethem Company. (See Leethem, Frank C., assignor.)
- Latham Machinery Company. (See Baumann, Gottfried P., assignor.)
- Lathim, Jasper, Castella, Cal. Handhold-rabbing machine. No. 1,229,763; June 12; v. 239; p. 517.
- Lathrop, George W., St. Paul, and H. F. Abels, Mahtomedi, Minn. Guard. No. 1,212,514; Jan. 16; v. 234; p. 802.
- Lathrop, Harry D., and W. H. Paulson, Chicago, Ill. Cover-applying mechanism for can-washing machines. No. 1,247,692; Nov. 27; v. 244; p. 851.
- Lathrop, Harry D., and W. H. Paulson, Chicago, Ill. Milk-can-washing machine. No. 1,249,129; Dec. 4; v. 245; p. 202.
- Lathrop, Harry D., and W. H. Paulson, Chicago, Ill. Feeding mechanism for can-washing machines. No. 1,249,130; Dec. 4; v. 245; p. 202.
- Lathrop, Willard O., Cincinnati, Ohio. Foldable bunk No. 1,235,336; July 31; v. 240; p. 1367.
- Latimer, Charles L., Fort Wadsworth, N. Y. Valve-grinding tool. No. 1,219,010; Mar. 13; v. 236; p. 430.
- Latimer, John W., Chicago, Ill., assignor to International Harvester Company of New Jersey. Mowing-machine. No. 1,237,661; Aug. 21; v. 241; p. 757.
- Latimer, Samuel A., *et al.* (See Walter, Ira D., assignor.)
- Lations, Charles A., Worcester, Mass. Clasp. No. 1,233,255; July 10; v. 240; p. 598.
- Latour, Marius, Paris, France. Dynamo-electric machine. No. 1,234,914; July 31; v. 240; p. 1239.
- Latshaw, Benjamin J., Burkburnett, Tex. Oil-burner. No. 1,217,019; Feb. 20; v. 235; p. 978.
- Latta, Elbert J., Lincoln, Neb. Medical device for treating venereal diseases. No. 1,228,451; June 5; v. 239; p. 26.
- Latta, Emmitt G., Syracuse, N. Y. Type-writing machine. No. 1,221,875; Apr. 10; v. 237; p. 335.
- Latta, Emmitt G., Syracuse, N. Y., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,222,423; Apr. 10; v. 237; p. 530.
- Latta, Emmitt G., Syracuse, N. Y., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,222,550; Apr. 10; v. 237; p. 575.
- Latta, Emmitt G., Syracuse, N. Y., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,222,551; Apr. 10; v. 237; p. 576.
- Latta, James, *et al.* (See Brown and Reeser, assignors.)
- Latta, John L., Hickory, N. C. Pump. No. 1,231,624; July 3; v. 240; p. 28.
- Latta, John L., Hickory, N. C. Pump. No. 1,237,530; Aug. 21; v. 241; p. 714.
- Latta, John S., *et al.* (See Brown and Reeser, assignors.)
- Latta, Thomas L., *et al.* (See Brown and Reeser, assignors.)
- Lattig, Charles I., assignor to H. R. Langslow, Rochester, N. Y. School-chair. No. 1,217,319; Feb. 27; v. 235; p. 1124.
- Lattig, Jacob W., Bethlehem, Pa. Combination desk-chair. No. 1,231,917; July 3; v. 240; p. 128.
- Lattig, Jacob W., Glenside, Pa., assignor, by mesne assignments, of one-half to M. H. Woodhull, New York, N. Y., and one-half to A. C. Hutcheson, Boundbrook, N. J. Gaseous-fuel mixer. No. 1,233,256; July 10; v. 240; p. 598.
- Lattig, Jacob W., Glenside, Pa., and C. L. Goodrum, assignors to Western Electric Company, Incorporated, New York, N. Y. Prepayment coin device. No. 1,241,998; Oct. 2; v. 243; p. 169.
- Lattig, Jacob W., Glenside, Pa., and C. L. Goodrum, assignors to Western Electric Company, Incorporated, New York, N. Y. Coin-collecting device. No. 1,245,472; Nov. 6; v. 244; p. 99.
- Lattig, Jacob W., Glenside, Pa., and C. L. Goodrum, assignors to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone system. No. 1,246,619; Nov. 13; v. 244; p. 473.
- Lattig, Jacob W., Rochester, N. Y., and C. L. Goodrum, Athens, Ga., assignors, by mesne assignments, to Western Electric Company, Incorporated. Automatic telephone-exchange system. No. 1,232,338; July 3; v. 240; p. 267.
- Lattimore, Florence L., Forest Hills, N. Y. Paper cap. No. 1,247,415; Nov. 20; v. 244; p. 738.
- Laubenthal, Fred N. (See Flora, Charles L., assignor.)
- Lauber, Erwin R., and R. V. Neher, Emmishofen, Switzerland. Producing bands of aluminium. No. 1,225,044; May 8; v. 238; p. 377.
- Laubscher, Albert R., Bridgeport, Conn. Micrometer-gage. No. 1,228,791; June 5; v. 239; p. 142.
- Lauch, Richard. (See Busch and Lauch)
- Lauer, Daniel, York, Pa. Fastener. No. 1,220,435; Mar. 27; v. 236; p. 993.
- Lauer, James A., and A. A. McConnell, Patton, Pa. Wrench. No. 1,219,469; Mar. 20; v. 236; p. 616.
- Lauffer, Frederick E., Los Angeles, Cal. Latch-handle. No. 1,227,916; May 29; v. 238; p. 1456.
- Laugen, Edward O., and S. S. Vathing, Houston, Minn. Corn-planter attachment. No. 1,215,943; Feb. 13; v. 235; p. 551.
- Laughlin, Elmyr A., Chicago, Ill. Truck-bolster. No. 1,222,552; Apr. 10; v. 237; p. 576.
- Laughlin, John, and P. A. Elseth, Crookston, Minn. Railway-car truck. No. 1,241,638; Oct. 2; v. 243; p. 55.
- Laughlin, William. (See Fife and Laughlin.)
- Laughlin, William J., Beloit, Wis. Automobile steering device. No. 1,223,988; Apr. 24; v. 237; p. 1145.
- Lauletta, Nicholas M., Philadelphia, Pa. Clasp. No. 1,226,540; May 15; v. 238; p. 924.
- Laumeister, Anton, San Francisco, Cal. Separator. No. 1,214,189; Jan. 30; v. 234; p. 1444.
- Laun, Henry W., Chicago, Ill. Acetylene-gas generator. No. 1,244,618; Oct. 30; v. 243; p. 1125.
- Laun, Justus, Chicago, Ill. Water-heating apparatus. No. 1,228,932; June 5; v. 239; p. 188.
- Launbranch, Malcolm E., assignor to Peerless Electric Sign Company, Chicago, Ill. Electric-sign system. No. 1,235,818; Aug. 7; v. 241; p. 94.
- Launbranch, Malcolm E., assignor to Peerless Electric Sign Company, Chicago, Ill. Electric-sign system. No. 1,238,027; Aug. 21; v. 241; p. 871.
- Launbranch, Malcolm E., assignor to Peerless Electric Sign Company, Chicago, Ill. Signal system. No. 1,243,308; Oct. 16; v. 243; p. 657.
- Launhart, William, Newton, Kans. Stud-removing tool. No. 1,236,322; Aug. 7; v. 241; p. 253.
- Laurence, Lionel, London, England. Case for spectacles, eyeglasses, and other articles. No. 1,245,933; Nov. 6; v. 244; p. 238.
- Lauray, Francis E., Detroit, Mich. Signal-gauntlet. No. 1,215,389; Feb. 13; v. 235; p. 350.
- Laurell, Charles W., assignor of one-half to J. C. Strauss, St. Louis, Mo. Mounting photographs. No. 1,215,170; Feb. 6; v. 235; p. 239.
- Laurent, Henry, East Rutherford, assignor to Becton, Dickinson & Co., Rutherford, N. J. Syringe. No. 1,222,424; Apr. 10; v. 237; p. 531.
- Laurenti, Cesare, Turin, assignor to Società Anonima Fiat-San Giorgio, Spezia, Italy. Liquid-fuel reservoir. No. 1,219,115; Mar. 13; v. 236; p. 465.
- Laurenti, Cesare, Turin, assignor to Società Fiat-San Giorgio, Spezia, Italy. Semi-automatic shutter for ventilators on submarines. No. 1,234,915; July 31; v. 240; p. 1239.
- Laurents, Louis V., Lake Arthur, La., assignor of one-fourth to F. E. Heinen, Kansas City, Mo., and one-fourth to W. C. Heinen, Lake Arthur, La. Internal-combustion engine. No. 1,217,020; Feb. 20; v. 235; p. 978.
- Laurie, Frank C., Houston, Tex. Capping device. No. 1,245,934; Nov. 6; v. 244; p. 239.
- Laurie, William I. (See Newby, William, assignor.)

Alphabetical list of patentees—Continued.

- Lauritzen, Albert, Charlotte, Mich. Potato-digger. No. 1,239,921; Sept. 11; v. 242; p. 413.
- Lauritzen, Albert, Charlotte, Mich. Potato-separator. No. 1,239,922; Sept. 11; v. 242; p. 413.
- Lauritzen, John C., Akron, Ohio. Separable core for making pneumatic-tire casings. No. 1,248,681; Dec. 4; v. 245; p. 74.
- Lauritzen, Magnus, *et al.* (See Sørensen, Bertel P. S., assignor.)
- Lauritzen, Nis P., Sandusky, Ohio, assignor to The American Wringer Company, Woonsocket, R. I. Clothes-wringer. No. 1,229,626; June 12; v. 239; p. 472.
- Laury, N. Arthur, Camden, N. J., assignor to General Chemical Company, New York, N. Y. Weighting of silk. No. 1,238,307; Aug. 28; v. 241; p. 997.
- Laussedat, Auguste J. B., assignor to La Société "La Cellophane," Paris, France. Label for bottles and other receptacles. No. 1,226,897; May 22; v. 238; p. 1082.
- Lausterer, William J., Jamestown, N. Y., assignor, by mesne assignments, to Automatic Registering Machine Corporation. Party-lever lockout for voting-machines. No. 1,210,495; Jan. 2; v. 234; p. 41.
- Lautenbach, Evert, Chicago, Ill. Combination table and ironing-board. No. 1,244,619; Oct. 30; v. 243; p. 1126.
- Lautenschlager, William F., Cincinnati, Ohio. Cement-applying machine. No. 1,223,402; Apr. 24; v. 237; p. 939.
- Lautenschlager, William F., Cincinnati, Ohio. Cement-applying machine. No. 1,223,403; Apr. 24; v. 237; p. 940.
- Lautenschlager, William F., Cincinnati, Ohio. Cementing the margins of flexible material. No. 1,223,404; Apr. 24; v. 237; p. 940.
- Lautenschlager, William F., Cincinnati, Ohio. Cement-applying machine. No. 1,225,828; May 15; v. 238; p. 685.
- Lautenschlager, William F., Cincinnati, Ohio, assignor to L. Muther, Newton, Mass. Skiving-machine. No. 1,210,815; Jan. 2; v. 234; p. 150.
- Lautenschlager, William F., Cincinnati, Ohio, assignor to L. Muther, Newton, Mass. Fold-presser for folding-machines. No. 1,234,677; July 24; v. 240; p. 1130.
- Lautenschlager, William F., Cincinnati, Ohio, assignor to L. Muther, Boston, Mass. Stitching for securing shank-eye buttons and forming the stitching. No. 1,242,564; Oct. 9; v. 243; p. 389.
- Lautenschlager, William F., Cincinnati, Ohio, assignor to L. Muther, Boston, Mass. Stitching for securing shank-eye buttons and forming the stitching. No. 1,242,565; Oct. 9; v. 243; p. 389.
- Lautenschlager, William F., Cincinnati, Ohio, assignor to L. Muther, Newton, Mass. Shoe-upper. No. 1,248,416; Nov. 27; v. 244; p. 1036.
- Lauter, Philip. (See Gruber and Lauter.)
- Lauterbach, Christopher, Baltimore, Md. Vapor, steam, and hot-water generator. No. 1,211,722; Jan. 9; v. 234; p. 492.
- Lauterbur, Frank X. and P., Sidney, Ohio. Rotary dough-proofing device. No. 1,248,682; Dec. 4; v. 245; p. 75.
- Lauterbur, Paul. (See Lauterbur, Frank X. and P.)
- Lautman, Isaac, Fort Wayne, Ind. Ink-bottle. No. 1,219,011; Mar. 13; v. 236; p. 431.
- Lauson, Mabel M., Hibbing, Minn. Garment. No. 1,235,337; July 31; v. 240; p. 1367.
- Lavalle, Peter J. (See Ulrich, William C., assignor.)
- Lavandeyra, Anthony de. (See Vaugan, Lavandeyra, and Garthwaite.)
- Lavand, Dimitri S. de, São Paulo, Brazil. Machine for the manufacture of pipes, cylinders, &c. No. 1,223,676; Apr. 24; v. 237; p. 1039.
- Laveck, Louis, and A. M. Roy, Fulton, N. Y. Machine for removing corset-steels and the like. No. 1,222,307; Apr. 10; v. 237; p. 488.
- Laveque, Mose, Munising, Mich. Nut-lock. No. 1,223,405; Apr. 24; v. 237; p. 941.
- Lavere, Thomas J., Bethel, Vt. Vehicle-brake. No. 1,228,033; May 29; v. 238; p. 1496.
- Lavezzi, Samuel J., Chicago, Ill. Mattress. No. 1,245,244; Nov. 6; v. 244; p. 31.
- Lavie, Charles, New York, N. Y. Marcel waver. No. 1,217,610; Feb. 27; v. 235; p. 1229.
- Lavin, Benjamin J., New York, N. Y. Garment. No. 1,249,131; Dec. 4; v. 245; p. 202.
- Lavigne, Joseph P., Detroit, Mich. Steering-gear. No. 1,222,872; Apr. 17; v. 237; p. 729.
- Lavigne, Joseph P., Detroit, Mich. Valve. No. 1,224,090; Apr. 24; v. 237; p. 1180.
- Lavine, Jacob, London, England. Solder for soldering metals. No. 1,248,506; Dec. 4; v. 245; p. 22.
- Lavoie, Alphonse J., Montreal, Quebec, Canada. Chuck. No. 1,236,453; Aug. 14; v. 241; p. 328.
- Law, Eugene L., Lubbock, Tex. Water-tank cut-off. No. 1,249,427; Dec. 11; v. 245; p. 318.
- Law, John H., Cartersville, Ga. Seed-separator. No. 1,244,102; Oct. 23; v. 243; p. 932.
- Lawaczek, Franz, Halle-on-the-Saale, Germany. Turbine pump or compressor. No. 1,213,889; Jan. 30; v. 234; p. 1343.
- Lawler, Arthur P., Brockville, Ontario, Canada. Liquid-seal trap. No. 1,224,181; May 1; v. 238; p. 23.
- Lawler, Edward E., Pinckney township, Lewis county, N. Y. Vehicle-indicator. No. 1,229,764; June 12; v. 239; p. 517.
- Lawless, Thomas C., Garden City, La. Logging-carriage. No. 1,237,067; Aug. 14; v. 241; p. 528.
- Lawlor, Charles B., New York, N. Y. Attachment for electric vibrators. No. 1,232,937; July 10; v. 240; p. 498.
- Lawlor, Frank, Montreal, Quebec, Canada. Metal-tube expander. No. 1,232,938; July 10; v. 240; p. 498.
- Lawn, William E., and J. A. Ryan, assignors to Automatic Railroad Appliances Co., Inc., Rochester, N. Y. Automatic train-stop mechanism. No. 1,215,390; Feb. 13; v. 235; p. 350.
- Lawin, Louis D., and John F. Staab, assignors to N. O. Nelson Manufacturing Company, Edwardsville, Ill. Mechanism for operating flush-valves. No. 1,219,012; Mar. 13; v. 236; p. 431.
- Lawrence, Ambrose, Medicine Lodge, Kans. Ensilage-packer. No. 1,237,916; Aug. 21; v. 241; p. 836.
- Lawrence, Edmund W., *et al.* (See Geiger, Bertha A., assignor.)
- Lawrence, Edward E., Cambridge, Mass., assignor to Loose-Wiles Biscuit Company, Kansas City, Mo. Producing continuous sheets of dough for biscuits or like products. No. 1,210,496; Jan. 2; v. 234; p. 41.
- Lawrence, Edward H., Cameron, W. Va., and R. E. Crane, Chicago, Ill. Sanitary connection. No. 1,221,064; Apr. 3; v. 237; p. 21.
- Lawrence, Edwin V., assignor to Ideal Coated Paper Co., Brookfield, Mass. Reel. No. 1,225,658; May 8; v. 238; p. 584.
- Lawrence, George A., Woburn, Mass. Yielding roll. No. 1,232,053; July 3; v. 240; p. 175.
- Lawrence, George R., *et al.* (See Smith and Brandon, assignors.)
- Lawrence, Henry J., Palo Verde, Cal. Water-elevator. No. 1,232,054; July 3; v. 240; p. 176.
- Lawrence, James, Chicago, Ill. Restraining device. No. 1,236,454; Aug. 14; v. 241; p. 328.
- Lawrence, James, assignor to S. G. Ranger, New York, N. Y. Electric heater. No. 1,213,507; Jan. 23; v. 234; p. 1182.
- Lawrence, Louis, and H. A. Steele, Newark, N. J. Plastic composition. No. 1,235,819; Aug. 7; v. 241; p. 95.
- Lawrence, Louis C., Brooklyn, N. Y. Artificial limb. No. 1,213,114; Jan. 16; v. 234; p. 1013.
- Lawrence Manufacturing Company. (See Smith, Jacob J., assignor.)
- Lawrence, Mariner S., Wakefield, Mass. Urinal. No. 1,228,452; June 5; v. 239; p. 26.
- Lawrence, Paul A., Benson, Nebr. Internal-combustion engine. No. 1,235,491; July 31; v. 240; p. 1411.
- Lawrence, Ralph R., Dorchester, Mass., assignor to Westinghouse Electric & Manufacturing Company. Balanced-phase-converter system. No. 1,249,782; Dec. 11; v. 245; p. 423.
- Lawrence, Ralph R., Dorchester, Mass., assignor to Westinghouse Electric & Manufacturing Company. Rotary-phase-converter system. No. 1,249,783; Dec. 11; v. 245; p. 423.
- Lawrence, Rutherford, assignor to Slocum, Avram & Slocum, New York, N. Y. Extension attachment for automobile-pedals. No. 1,242,819; Oct. 9; v. 243; p. 470.
- Lawrence, Thomas H., Tulsa, Okla. Hat-marker. No. 1,237,662; Aug. 21; v. 241; p. 757.
- Lawrence, Valentine D., Nemaha, Nebr. Cultivator-shovel. No. 1,225,659; May 8; v. 238; p. 585.
- Lawrence, Vernon, Minneapolis, Minn. Single-eccentric link reverse. No. 1,234,481; July 24; v. 240; p. 1070.
- Lawrie, James W., Milwaukee, Wis., assignor, by mesne assignments, to William F. Jobbins, Incorporated, Aurora, Ill. Treating aluminum skimmings, screenings, dross, slags, or analogous aluminous materials. No. 1,228,119; May 29; v. 238; p. 1524.
- Lawshe, Allison R., Trenton, N. J. Producing multicolored photographs. No. 1,248,139; Nov. 27; v. 244; p. 978.
- Lawson, Claude N., Celoron, N. Y. Combination canoe back-rest and life-preserver. No. 1,216,707; Feb. 20; v. 235; p. 871.
- Lawson, James T., Rockland, Mass. Potato-digger. No. 1,235,208; July 31; v. 240; p. 1328.
- Lawson, John, Orange, Mass. Baking-cabinet. No. 1,243,192; Oct. 16; v. 243; p. 622.
- Lawson, John A., Hardin, Mo. Header-box. No. 1,239,408; Sept. 4; v. 242; p. 219.
- Lawson, Mary. (See Risdon, Robert S., assignor.)
- Lawson, Oscar L., Lynn, assignor of one-half to C. Anderson, Lowell, Mass. Thread pull-off and locking device. No. 1,217,871; Feb. 27; v. 238; p. 1316.
- Lawson, Oscar L., and J. H. Reed, Lynn, Mass. Shuttle-drive. No. 1,215,557; Feb. 13; v. 235; p. 411.
- Lawson, Oscar L., and J. H. Reed, Lynn, Mass. Thread-measuring device for sewing-machines. No. 1,245,935; Nov. 6; v. 244; p. 239.
- Lawson, Philip, Johnstown, Pa. Fan. No. 1,244,103; Oct. 23; v. 243; p. 932.
- Lawson, Robert H., and A. E. Robinson, Beverly, Mass. Variable-speed-transmission mechanism. No. 1,232,571; July 10; v. 240; p. 376.
- Lawson, Samuel, Croton-on-Hudson, N. Y. Gas-engine. No. 1,243,533; Oct. 16; v. 243; p. 722.
- Lawson, Sherman S., *et al.* (See Phillips, George B., assignor.)

- Lawton, Burton L., assignor to Connecticut Telephone & Electric Company, Inc., Meriden, Conn. Wire-terminal. No. 1,218,571; Mar. 6; v. 236; p. 236.
- Lawton, Ernest C., Mohawk, N. Y. Knockdown bookcase. No. 1,216,465; Feb. 20; v. 235; p. 788.
- Lay, Francis M., assignor to The John Deere Wagon Company, Moline, Ill. Stake-holder for vehicles. No. 1,225,145; May 8; v. 238; p. 411.
- Laycock, Arthur M., Kingston, Pa. Differential-gear lock. No. 1,210,497; Jan. 2; v. 234; p. 41.
- Laycock, Arthur M., Kingston, Pa. Driving-axle. No. 1,236,949; Aug. 14; v. 241; p. 491.
- Laycock, Arthur M., Kingston, Pa. Roller-bearing. No. 1,236,950; Aug. 14; v. 241; p. 491.
- Laycock, Arthur M., Kingston, Pa. Roller-bearing. No. 1,247,288; Nov. 20; v. 244; p. 702.
- Laycock, Arthur M., Kingston, Pa. Roller-bearing. No. 1,247,289; Nov. 20; v. 244; p. 703.
- Laycock, Arthur M., Kingston, Pa. Roller-bearing. No. 1,249,784; Dec. 11; Gaz. vol. 245; p. 424.
- Laycock, Arthur M., Wilkes-Barre, Pa. Vehicle. No. 1,229,296; June 12; v. 239; p. 360.
- Laycock, Arthur M., Wilkes-Barre, Pa. Ball-bearing. No. 1,231,752; July 3; v. 240; p. 73.
- Laycock, Harry A., Schenectady, N. Y., assignor to General Electric Company, Regulator. No. 1,216,236; Feb. 13; v. 235; p. 655.
- Laycock, Harry A., Schenectady, N. Y., assignor to General Electric Company, Voltage-regulator. No. 1,230,728; June 19; v. 239; p. 871.
- Layer, Joseph, *et al.* (See Hough, Samuel, assignor.)
- Layman, Arthur R., Dover, N. H. Mule stop-motion. No. 1,215,039; Feb. 6; v. 235; p. 197.
- Layman, Arthur R., Dover, N. H. Mule stop-motion. No. 1,225,660; May 8; v. 238; p. 585.
- Layman Berkwitz Co. (See Berkwitz, Max, assignor.)
- Layman, Florence P., New York, N. Y., assignor to Sanitary Refrigerator & Heater Company, Portage, Pa. Shelving for refrigerators. No. 1,222,308; Apr. 10; v. 237; p. 488.
- Layman, Florence P. and H. D., Portage, Pa. Refrigerator. No. 1,249,785; Dec. 11; v. 245; p. 424.
- Layman, Hebron B., New York, N. Y. Internal-combustion engine. No. 1,244,869; Oct. 30; v. 243; p. 1201.
- Layman, Hebron B., assignor to The Layman Pressed Rod Co., Inc., New York, N. Y. Connecting-rod. No. 1,218,572; Mar. 6; v. 236; p. 236.
- Layman, Hebron B., assignor to The Layman Pressed Rod Co., Inc., New York, N. Y. Connecting-rod. No. 1,226,978; May 22; v. 238; p. 1112.
- Layman, Hiram D. (See Layman, Florence P. and H. D.)
- Layman Pressed Rod Co., The. (See Layman, Hebron B., assignor.)
- Layman, Ralph E., assignor to Lowy Patent Corporation, New York, N. Y. Spring suspension. No. 1,217,096; Feb. 20; v. 235; p. 1003.
- Layne, Leroy L., Whittier, Cal. Napkin holder and folder. No. 1,233,484; July 17; v. 240; p. 711.
- Layne, Mahlon E., Houston, Tex. Pumping mechanism. No. 1,211,457; Jan. 9; v. 234; p. 404.
- Layne, Mahlon E., Houston, Tex. Belt-tightener for pumps. No. 1,218,192; Mar. 6; v. 236; p. 105.
- Layne, Mahlon E., Houston, Tex. Well-boring stem. No. 1,223,591; Apr. 24; v. 237; p. 1007.
- Layng, Truman T., Banff, Alberta, Canada. Closure for containers. No. 1,230,178; June 19; v. 239; p. 691.
- Laytham, James F., Monroe, and D. A. Arnold, North Yakima, Wash. Auto delivery-truck. No. 1,223,806; Apr. 24; v. 237; p. 1085.
- Lazar, William T., San Francisco, Cal. Dispensing-carton. No. 1,228,571; June 5; v. 239; p. 67.
- Lazare, Ronchi, Portage, Pa. Miner's carbid-lamp. No. 1,232,572; July 10; v. 240; p. 377.
- Lazarus, Simon, Louisville, Ky. Non-refillable bottle. No. 1,214,329; Jan. 30; v. 234; p. 1496.
- Lazzure, Settano. (See Nicholas and Lazzure.)
- Le Beau, Fernando J., assignor of one-half to F. Lundin, Chicago, Ill. Automatic door. No. 1,245,743; Nov. 6; v. 244; p. 181.
- Le Blond, Edmond J. (See Thompson and Le Blond.)
- Le Blond, Richard K., and W. F. Groene, assignors to R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Positive apron-drive for lathes. No. 1,218,784; Mar. 13; v. 236; p. 349.
- Le Brocq Company. (See Le Brocq, Richard F., assignor.)
- Le Brocq, Richard F., New York, assignor to Le Brocq Company, Brooklyn, N. Y. Door-lock for elevators. No. 1,234,182; May 1; v. 238; p. 24.
- Le Cato, John A., assignor to Standard Pneumatic Action Co., New York, N. Y. Test-roll for musical instruments. No. 1,218,094; Mar. 6; v. 236; p. 72.
- Le Clair, Archibald J., Haverhill, Mass. Welt-innersole. No. 1,222,309; Apr. 10; v. 237; p. 489.
- Le Fever, Claude C., Liscomb, Iowa. Agricultural implement. No. 1,250,329; Dec. 18; v. 245; p. 622.
- Le Gore, Thomas J., Jefferson, Iowa. Seed-corn rack. No. 1,220,650; Mar. 27; v. 236; p. 1068.
- Le Pontois, Leon J., Cleveland, Ohio. System and method of generating and utilizing electric currents for ignition and battery storing purposes. No. 1,235,522; July 31; v. 240; p. 1422.
- Le Pontois, Leon J., assignor, by mesne assignments, to The Teagle Company, Cleveland, Ohio. Electric generator. No. 1,223,704; Apr. 24; v. 237; p. 1048.
- Le Pontois, Leon J., assignor, by mesne assignments, to The Teagle Company, Cleveland, Ohio. Apparatus for generating high-tension electrical impulses and ignition systems. No. 1,238,533; Aug. 28; v. 241; p. 1070.
- Le Pontois, Leon J., assignor, by mesne assignments, to The Teagle Company, Cleveland, Ohio. Generating high-tension sparks for ignition purposes. No. 1,238,534; Aug. 28; v. 241; p. 1071.
- Le Pontois, Leon J., Lakewood, assignor, by mesne assignments, to The Teagle Company, Cleveland, Ohio. Electrical system. No. 1,249,135; Dec. 4; v. 245; p. 203.
- Le Rond, Louis J. B., Paris, France. Recuperating-cycle for engines. No. 1,226,226; May 15; v. 238; p. 820.
- Le Strange, Matthew J. (See Cunneen, James M., assignor.)
- Le Suer, Herbert D., Seymour, Iowa. Miter-box. No. 1,240,228; Sept. 18; v. 242; p. 545.
- Le Vasseur-Belisle, Joseph N., Worcester, Mass. Guide-eye for shuttles. No. 1,222,004; Apr. 10; v. 237; p. 382.
- Le Vene, Nate, San Francisco, Cal., and A. Fee, Chicago, Ill. Sanitary tooth-brush. No. 1,214,556; Feb. 6; v. 235; p. 26.
- Le Viness, Stephen, Jr., Buffalo, N. Y. Chaplet. No. 1,241,862; Oct. 2; v. 243; p. 125.
- Le Vino, Monroe, New York, N. Y. Book-holder. No. 1,217,024; Feb. 20; v. 235; p. 979.
- Lea, Charles. (See Hathaway and Lea.)
- Lea, Charles, Boston, Mass., assignor to American Warp Drawing Machine Company. Machine for threading tuft-yarns. No. 1,213,216; Jan. 23; v. 234; p. 1080.
- Lea, Charles, assignor to The Lea-Irving Manufacturing Co., Boston, Mass. Machine for making and applying staples. No. 1,214,930; Feb. 6; v. 235; p. 157.
- Lea-Irving Manufacturing Co., The. (See Lea, Charles, assignor.)
- Lea, William C., and J. C. George, Los Angeles, Cal. Sash-operating device. No. 1,213,508; Jan. 23; v. 234; p. 1182.
- Lea, William C., and J. C. George, Los Angeles, Cal. Sash-operating device. No. 1,238,308; Aug. 28; v. 241; p. 997.
- Leabo, Mont J., Iola, Kans. Clothes-rack. No. 1,241,746; Oct. 2; v. 243; p. 89.
- Leach, Charles D. (See Weaner, Edgar C., assignor.)
- Leach, Frank, Detroit, Mich. Heating attachment for burners. No. 1,217,464; Feb. 27; v. 235; p. 1175.
- Leach, Grover C., Bangs, Tex. Seed-grader. No. 1,222,111; Apr. 10; v. 237; p. 419.
- Leach, Harry A., assignor to Combination Auto Lock Company, St. Louis, Mo. Combination valve control. No. 1,248,683; Dec. 4; v. 245; p. 75.
- Leach, Horace J., Mount Carmel, Ill. Reel. No. 1,214,190; Jan. 30; v. 234; p. 1444.
- Leach, Horace J., Mount Carmel, Ill. Printing-press. No. 1,236,186; Aug. 7; v. 241; p. 211.
- Leach, John P., Chicago, Ill. Phonograph turn-table. No. 1,214,191; Jan. 30; v. 234; p. 1445.
- Leach, Robert P. (See Shepperd, George C., assignor.)
- Leach, William W., Pineland, Tex. Portable power stump-boring machine. No. 1,242,566; Oct. 9; v. 243; p. 390.
- Leach, Willis E., Litchfield, Ohio. Expansion-joint for concrete sections. No. 1,241,405; Sept. 25; v. 242; p. 944.
- Leader Evaporator Company, The. (See Burt, William E., assignor.)
- Leader, Moses. (See Foss, Leland L., assignor.)
- Leader, Moses, Vidalia, Ga. Means for preventing rattling and lost motion of the steering-arms of Ford automobiles. No. 1,220,648; Mar. 27; v. 236; p. 1067.
- Leak, Edward C., McGill, Nev. Road-drag. No. 1,247,416; Nov. 20; v. 244; p. 738.
- Leake Motor Fuel Economy Company. (See Leake, Thomas C., assignor.)
- Leake, Thomas C., assignor to Leake Motor Fuel Economy Company, San Francisco, Cal. Apparatus for controlling the flow of fuel to internal-combustion engines. No. 1,229,481; June 12; v. 239; p. 422.
- Leake, Thomas S., St. Louis, Mo., assignor, by mesne assignments, to Concrete Mixing and Conveying Co., Chicago, Ill. Concrete mixing and distributing system. No. 1,215,558; Feb. 13; v. 235; p. 411.
- Leake, Thomas S., assignor, by mesne assignments, to Concrete Mixing and Conveying Co., Chicago, Ill. Apparatus for preparing and handling concrete. No. 1,215,559; Feb. 13; v. 235; p. 412.
- Leake, Thomas S., assignor, by mesne assignments, to Concrete Mixing and Conveying Co., Chicago, Ill. Apparatus for preparing and handling concrete. No. 1,215,560; Feb. 13; v. 235; p. 412.
- Leal, Joseph H., San Francisco, Cal. Means for arousing sleepers. No. 1,215,666; Feb. 13; v. 235; p. 453.
- Leal, Joseph H., San Francisco, Cal. Attachment to invalid-beds. No. 1,222,873; Apr. 17; v. 237; p. 729.
- Leaman, Elwood C., Harrisburg, Pa. Lawn-weeder. No. 1,244,344; Oct. 23; v. 243; p. 1005.
- Leaman, William H., Jr., Meriden, Conn. Holder for dyepaper. No. 1,239,703; Sept. 11; v. 242; p. 313.
- Lean, Sydney R. (See Dyer and Lean.)

Alphabetical list of patentees—Continued.

- Lear, Charles L., Burton, Nebr. Pole-tip. No. 1,225,829; May 15; v. 238; p. 685.
- Lear, Oley J., Philadelphia, Pa. Belt and making the same. No. 1,228,792; June 5; v. 239; p. 142.
- Lear, Thomas B., Washington, D. C. Stamping-tool or punch. No. 1,210,956; Jan. 2; v. 234; p. 200.
- Learned, Willard L., Oakdale, Cal. Ignition system for internal-combustion engines. No. 1,241,999; Oct. 2; v. 243; p. 169.
- Leary, Charles M. (See Bartholomew and Leary.)
- Leary, Earl R., and R. W. Pillsbury, Scarborough, Me. Window-screen. No. 1,219,962; Mar. 20; v. 236; p. 788.
- Leary, James I., assignor of one-third to E. H. Doud and one-third to G. L. Hogan, Chicago, Ill. Apparatus for generating and burning hydrocarbon vapors. No. 1,216,578; Feb. 20; v. 235; p. 829.
- Leary, James W., Jersey City, N. J., assignor to Automatic Packing & Labeling Company, Durham, N. C. Bag. No. 1,238,411; Aug. 28; v. 241; p. 1030.
- Leask, John, Cranbrook, British Columbia, Canada. Sewing-machine attachment. No. 1,243,193; Oct. 16; v. 243; p. 622.
- Leasman, John D., Stockdale, Tex. Swingletree-clip. No. 1,236,951; Aug. 14; v. 241; p. 491.
- Leathem, James, Lebanon, Pa., assignor to Hermann Ankam & Co., New York, N. Y. Cloth-cutting machine. No. 1,211,185; Jan. 2; v. 234; p. 277.
- Leather Products Company. (See Cavanaugh, William M., assignor.)
- Leatherbee, Clifton F., Newton, Mass., assignor to Painting Machine Company, Kittery, Me. Conveyer. No. 1,241,525; Oct. 2; v. 243; p. 17.
- Leathers, Fred. (See Crockett, Samuel C., assignor.)
- Leavens, Philip J., Bridgeton, N. J. Making aluminum rules. No. 1,211,458; Jan. 9; v. 234; p. 404.
- Leavens, Philip J., Bridgeton, N. J. Aluminum rule. No. 1,249,132; Dec. 4; v. 245; p. 203.
- Leaver, Lewis, Armstrong, Iowa. Draft-equalizer. No. 1,226,541; May 15; v. 238; p. 925.
- Leavitt, Albert H., Cloverdale, Cal. Draft-equalizer. No. 1,214,691; Feb. 6; v. 235; p. 74.
- Leavitt, Elgin A., Los Angeles, Cal. Check-book. No. 1,211,324; Jan. 2; v. 234; p. 325.
- Leavitt, John E., Stoughton, Mass. Tag-holder. No. 1,225,661; May 8; v. 238; p. 585.
- Leavitt, Lillie M. S., Mountview, N. H. Convertible chair. No. 1,229,980; June 12; v. 239; p. 587.
- Leavitt Machine Company, The. (See Smith and Williams, assignors.)
- Leavitt Machine Company, The. (See Stuard, Smith, and Williams, assignors.)
- Leavitt Machine Company, The. (See Williams, Dexter, and Smith, assignors.)
- Leavitt Machine Company, The. (See Williams and Smith, assignors.)
- Leavitt, Roscoe B., Houston, Mo. Shutter-operator for cameras. No. 1,223,807; Apr. 24; v. 237; p. 1085.
- Leavitt, Samuel, Chicago, Ill. Water-heating apparatus. No. 1,227,806; May 29; v. 238; p. 1418.
- Leavitt, Samuel A., Appleton, Wis. Paint composition. No. 1,239,190; Sept. 4; v. 242; p. 150.
- Leavitt, Sheldon, Chicago, Ill. Pillow. No. 1,212,515; Jan. 16; v. 234; p. 803.
- Lebby, States L., Charleston, S. C. Projector. No. 1,249,133; Dec. 4; v. 245; p. 203.
- Lebedeff, Alexis, Petrograd, Russia. Silencer for internal-combustion engines. No. 1,217,021; Feb. 20; v. 235; p. 978.
- Lebel, Joseph N., Salem, Mass. Spike. No. 1,221,462; Apr. 3; v. 237; p. 162.
- Leblanc, Maurice, Val-sur-Seine, Croissy, assignor to Societe Anonyme Pour L'Exploitation Des Procédés Westinghouse-Leblanc, Paris, France. Ejector. No. 1,215,321; Feb. 6; v. 235; p. 292.
- Leblanc, Maurice, Val sur Seine, par Croissy, assignor to Société Anonyme pour l'Exploitation de Procédés Westinghouse-Leblanc, Paris, France. Pulley for high-speed transmission. No. 1,218,674; Mar. 13; v. 236; p. 309.
- Leblanc, Maurice, assignor to Société Anonyme pour l'Exploitation des Procédés Westinghouse-Leblanc, Paris, France. Automatic balancer. No. 1,233,485; July 17; v. 240; p. 711.
- Leck, Walter W., Steelton, Pa. Guide for rolling-mills. No. 1,217,611; Feb. 27; v. 235; p. 1229.
- Leckey, Alexander. (See Pullen, Barzillai, assignor.)
- Leckey, Alexander, Camden, N. J. Combined pepper and salt distributor. No. 1,235,985; Aug. 7; v. 241; p. 149.
- Leckie, Herbert V., Bridgeport, Conn. Positive friction-clutch. No. 1,241,129; Sept. 25; v. 242; p. 856.
- Leckle, John, Calgary, Alberta, Canada. Revolving account-register. No. 1,218,785; Mar. 13; v. 236; p. 350.
- Leclair, Adrien, Chicago, Ill. Spiral stairway. No. 1,229,482; June 12; v. 239; p. 423.
- Leclair, Henry H., Lowville, N. Y. Runner attachment for vehicles. No. 1,225,444; May 8; v. 238; p. 514.
- Leclerc, Ludger J., Au Sable Forks, N. Y. Spool attachment. No. 1,220,760; Mar. 27; v. 236; p. 1104.
- Lecoutre, Auguste J., assignor to Royal Worcester Corset Co., Worcester, Mass. Corset. No. 1,226,087; May 15; v. 238; p. 774.
- Lecoutre, Auguste J., assignor to Royal Worcester Corset Co., Worcester, Mass. Corset. No. 1,244,059; Oct. 23; v. 243; p. 919.
- Lecoutre, Auguste J., assignor to Royal Worcester Corset Co., Worcester, Mass. Corset-steel. No. 1,244,060; Oct. 23; v. 243; p. 919.
- Ledan, Josiah, Hannibal, Mo. Washboard. No. 1,250,193; Dec. 18; v. 245; p. 581.
- Ledbetter, James C. (See Russell, Robert C., assignor.)
- Ledbetter, Ralph W., assignor of one-half to J. W. Maynor, Birmingham, Ala. Hasp. No. 1,244,104; Oct. 23; v. 243; p. 932.
- Ledbetter, Shufford C., Edneyville, N. C. Clevis for road-scrappers. No. 1,214,330; Jan. 30; v. 234; p. 1496.
- Ledbetter, Thomas F., Columbus, Ga. Driving-gear and wheel-mounting for motor-vehicles. No. 1,244,512; Oct. 30; v. 243; p. 1093.
- Ledbetter, Thomas P. (See Glover, Charles P., assignor.)
- Lederer, Friedrich, Milwaukee, Wis., assignor of one-half to B. D. Zimmermann, Chicago, Ill. Automobile-bumper. No. 1,216,332; Feb. 20; v. 235; p. 740.
- Lederer, Friedrich, Milwaukee, Wis., assignor to Milwaukee Auto Engine & Supply Company. Automobile-bumper. No. 1,233,887; July 17; v. 240; p. 841.
- Lederer, Irving R., Providence, R. I. Separable link-butt. No. 1,214,044; Jan. 30; v. 234; p. 1397.
- Lederer, Isidore M. (See Downey, Richard F., assignor.)
- Lederer, Norman, New York, N. Y. Needle-guard for sewing-machines. No. 1,217,785; Feb. 27; v. 235; p. 1288.
- Lederer, Otto, Vienna, Austria. Surgical device. No. 1,225,341; May 8; v. 238; p. 479.
- Ledford, Walter A., Wamic, Ore. Combined salt and pepper shaker. No. 1,234,047; July 17; v. 240; p. 891.
- Ledgers Limited. (See Myatt, John W., assignor.)
- Ledoux, Adela, Brockton, Mass. Shoe-lining protector. No. 1,237,663; Aug. 21; v. 241; p. 757.
- Ledoux, John W., Swarthmore, Pa. Fluid-measuring mechanism. No. 1,225,977; May 15; v. 238; p. 735.
- Ledoux, John W., Swarthmore, Pa. Proportional meter. No. 1,225,978; May 15; v. 238; p. 735.
- Ledoux, John W., Swarthmore, Pa. Fluid-meter. No. 1,243,842; Oct. 23; v. 243; p. 854.
- Ledoux, John W., Swarthmore, Pa. Integrating mechanism. No. 1,243,843; Oct. 23; v. 243; p. 854.
- Leduc, Léon, Couture St. Germain, and H. Jacquemin, Maransart, Belgium. Obtaining threads of artificial silk, films, and other objects. No. 1,214,931; Feb. 6; v. 235; p. 158.
- Ledyana, Fred C., Irving, Iowa. Internal-combustion engine. No. 1,225,830; May 15; v. 238; p. 685.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle-top-iron support. No. 1,214,932; Feb. 6; v. 235; p. 158.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Assembling-machine. No. 1,216,466; Feb. 20; v. 235; p. 788.
- Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Assembling-machine. No. 1,216,467; Feb. 20; v. 235; p. 789.
- Lee, Albert J. F., West Ealing, England. Submersible vessel. No. 1,225,662; May 8; v. 238; p. 585.
- Lee, Albert P., Chicago, Ill. Movable loading-hopper. No. 1,212,368; Jan. 16; v. 234; p. 751.
- Lee, Arthur W. (See Walter and Lee.)
- Lee, Atha W., Bingham Canyon, Utah. Automobile-pump. No. 1,250,474; Dec. 18; v. 245; p. 665.
- Lee, Belle, et al. (See Beeson, Ira S., assignor.)
- Lee, Bernard S., and F. Ashworth, Beverly, Mass., assignors to United Shoe Machinery Company, Paterson, N. J. Wax-thread sewing-machine. No. 1,249,428; Dec. 11; v. 245; p. 319.
- Lee, Charles A., Oneida, N. Y. Adjustable friction-hinge. No. 1,211,186; Jan. 2; v. 234; p. 278.
- Lee, Chester M., Wesley, Iowa. Collapsible crate. No. 1,238,028; Aug. 21; v. 241; p. 872.
- Lee, Clifford, Naugatuck, Conn., assignor to The Good-year's Metallic Rubber Shoe Company. Treatment of rubber soles. No. 1,232,573; July 10; v. 240; p. 377.
- Lee, Earle P. and T. L., assignors to North East Electric Company, Rochester, N. Y. Brush-mounting. No. 1,240,738; Sept. 18; v. 242; p. 702.
- Lee, Francis G., et al. (See Faymonville, Bernard, Jr., assignor.)
- Lee, George C., Belleville, N. J. Culinary lifter. No. 1,238,531; Aug. 28; v. 241; p. 1070.
- Lee, George E., assignor to The George E. Lee Company, Cleveland, Ohio. Fuel-regulating device. No. 1,228,793; June 5; v. 239; p. 142.
- Lee, George E., assignor to The George E. Lee Company, Cleveland, Ohio. Device for controlling supply of heat to an auxiliary heating device. No. 1,228,794; June 5; v. 239; p. 143.
- Lee, George E., assignor to The George E. Lee Company, Cleveland, Ohio. Auxiliary melting device. No. 1,233,068; July 10; v. 240; p. 538.
- Lee, George W., Benson, N. C. Automobile-jack. No. 1,230,908; June 26; v. 239; p. 970.
- Lee, Harry W. and T. J., and C. M. Sims, Anniston, Ala. Locking-closure. No. 1,239,704; Sept. 11; v. 242; p. 343.
- Lee, Henry C., trustee. (See Bullock, Arthur R., assignor.)
- Lee, Jacob W., Milwaukee, Wis. Block shaping and trimming machine. No. 1,231,625; July 3; v. 240; p. 29.
- Lee, James B., Savannah, Ga. Mechanism for converting motion. No. 1,232,055; July 3; v. 240; p. 176.

- Lee, James D., Philadelphia, Pa. Gage water-detector. No. 1,232,574; July 10; v. 240; p. 377.
- Lee, John, Springfield, Ill. Switch. No. 1,243,613; Oct. 16; v. 243; p. 747.
- Lee, John A., Oelwein, Iowa. Book-marker clip. No. 1,216,468; Feb. 20; v. 235; p. 789.
- Lee, Joseph, Brooklyn, N. Y. Expansion-bolt. No. 1,244,992; Oct. 30; v. 243; p. 1238.
- Lee, Mary C., Champaign, Ill. Cake-molding pan. No. 1,231,626; July 3; v. 240; p. 29.
- Lee, Oscar G., and F. M. Osborne, Washington, Pa. Mine-elevator cage. No. 1,221,754; Apr. 3; v. 237; p. 261.
- Lee, Robert H., E. E. Harding, and H. J. Stanley, Santa Monica, Cal. Internal-combustion engine. No. 1,245,358; Nov. 6; v. 244; p. 65.
- Lee, Robert W., assignor of one-fourth to F. C. Pitcher, one-half to A. G. Stillwell, Brooklyn, and one-fourth to C. S. Stern, New York, N. Y. Rope-clamp. No. 1,250,599; Dec. 18; v. 245; p. 703.
- Lee S. Smith and Son Manufacturing Company. (See Mahan, Joseph E., assignor.)
- Lee S. Smith & Son Manufacturing Company. (See Pinches, Paul C., assignor.)
- Lee Surgico-Dental Mfg. Co., Inc. (See Eyslin, Leo E., assignor.)
- Lee, T. L. (See Lewis, James W., assignor.)
- Lee, Thomas, Cincinnati, Ohio. Ventilator-head. No. 1,231,627; July 3; v. 240; p. 29.
- Lee, Thomas J. (See Lee and Sims.)
- Lee, Thomas L. (See Halbleib and Lee.)
- Lee, Thomas L. (See Lee, Earle P. and T. L.)
- Lee, Thomas L., assignor to North East Electric Company, Rochester, N. Y. Fastening device. No. 1,213,509; Jan. 23; v. 234; p. 1183.
- Lee, Thomas L., assignor to North East Electric Company, Rochester, N. Y. Electric starting and generating apparatus. No. 1,231,753; July 3; v. 240; p. 73.
- Lee, Thomas L., assignor to North East Electric Company, Rochester, N. Y. Brush-mounting for electric motors or generators. No. 1,240,585; Sept. 18; v. 242; p. 654.
- Lee, Ulysses G., Chicago, Ill., assignor to Montague Mailing Machine Co. Printing apparatus with multiple lister. No. 1,211,459; Jan. 9; v. 234; p. 405.
- Lee, Ulysses G., Chattanooga, Tenn., assignor to Montague Mailing Machinery Co. Automatic office-addresser. No. 1,215,040; Feb. 6; v. 235; p. 197.
- Lee, Walter. (See Parker, Bennisson, and Lee.)
- Lee, Wellington B., and M. A. Bogkin, New York, N. Y. Device for stopping and derailing cars. No. 1,239,191; Sept. 4; v. 242; p. 150.
- Lee, William H., assignor to Syracuse Chilled Plow Company, Syracuse, N. Y. Slat-moldboard. No. 1,223,808; Apr. 24; v. 237; p. 1086.
- Lee, William H., assignor to Syracuse Chilled Plow Company, Syracuse, N. Y. Manure-spreader. No. 1,242,705; Oct. 9; v. 243; p. 434.
- Lee, William H., assignor to Syracuse Chilled Plow Company, Syracuse, N. Y. Harrow. No. 1,244,993; Oct. 30; v. 243; p. 1239.
- Leece, Bennett M., assignor to The Leece-Neville Company, Cleveland, Ohio. Starting and ignition apparatus. No. 1,214,555; Feb. 6; v. 235; p. 25.
- Leece, Bennett M., assignor to The Leece-Neville Company, Cleveland, Ohio. Circuit-breaker. No. 1,250,904; Dec. 18; v. 245; p. 793.
- Leece-Neville Company, The. (See Leece, Bennett M., assignor.)
- Leech, Abner Y. (See Powers and Leech.)
- Leeds, Hosmer W., Chicago, Ill. Ventilator. No. 1,211,602; Jan. 9; v. 234; p. 453.
- Leerbarger, George. (See Mearkle, Louis K., assignor.)
- Lees Bradner Company, The. (See Schurr and Lees, assignors.)
- Lees, Ernest J. (See Schurr and Lees.)
- Lees, John, Indianapolis, Ind. Safety tank-lock. No. 1,215,668; Feb. 13; v. 235; p. 453.
- Leethem, Frank C., Middletown, assignor to Latham-Leethem Company, New York, N. Y. Plate-trimming machine. No. 1,219,566; Mar. 20; v. 236; p. 652.
- Lefebvre, Daniel J., East Lynn, Mass. Knife-handle. No. 1,219,116; Mar. 13; v. 236; p. 465.
- Lefebvre, Henry, assignor of one-half to M. E. Lucero, Douglas, Ariz. Punching-machine. No. 1,219,963; Mar. 20; v. 236; p. 789.
- Lefebvre, Omer F., et al. (See Valiquet, Ephrem F., assignor.)
- Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Magazine and barrel for air-guns. No. 1,220,649; Mar. 27; v. 236; p. 1067.
- Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Spring-gun. No. 1,240,987; Sept. 25; v. 242; p. 813.
- Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Gun. No. 1,240,988; Sept. 25; v. 242; p. 813.
- Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Air-gun. No. 1,240,989; Sept. 25; v. 242; p. 813.
- Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Pop-gun. No. 1,240,990; Sept. 25; v. 242; p. 814.
- Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Gun. No. 1,240,991; Sept. 25; v. 242; p. 814.
- Lefever, Charles F. Plymouth, Mich., assignor to Daisy Manufacturing Company, Plymouth, Mich. Pop-gun. No. 1,248,507; Dec. 4; v. 245; p. 22.
- Lefèvre, Armand L. F., St.-Denis, France. Draft-regulating device for chain grates. No. 1,213,661; Jan. 23; v. 234; p. 1235.
- Lefevre, Henry A., Paris, France. Heat-engine. No. 1,234,184; July 24; v. 240; p. 972.
- Lefevre, Lorin, St. Peter, Mont. Automobile-body-supporting means. No. 1,236,323; Aug. 7; v. 241; p. 254.
- Lefferdink, Berend W., near Firth, Nebr. Automatic jack for vehicles. No. 1,217,320; Feb. 27; v. 235; p. 1124.
- Leffler, Artur. (See Cassel, Gunnar E., assignor.)
- Leffler, Leo J., New York, N. Y. Can-soldering machine. No. 1,244,105; Oct. 23; v. 243; p. 933.
- Lefkowitz, Charles M., New York, N. Y. Insulating-cap for conduits. No. 1,231,273; June 26; v. 239; p. 1095.
- Lefler, Frank C., Rochester, N. Y. Gun-lock. No. 1,219,964; Mar. 20; v. 236; p. 789.
- Lefort, Georges A., St. Tite, Quebec, Canada. Fence. No. 1,232,575; July 10; v. 240; p. 378.
- Lefrançois, Louis A., San Francisco, Cal. Powder and puff box. No. 1,249,641; Dec. 11; v. 245; p. 381.
- Legate, William H., Hartford, Conn. Radiator. No. 1,232,339; July 3; v. 240; p. 268.
- Legault, Albert, Montreal, Quebec, Canada. Employee's indexing system. No. 1,244,061; Oct. 23; v. 243; p. 919.
- Léger, Zöel M., Moncton, New Brunswick, Canada. Eyeglasses and spectacles. No. 1,210,498; Jan. 2; v. 234; p. 42.
- Legere, John P., assignor to Standard Comb Company, Leominster, Mass. Braid-binder. No. 1,225,831; May 15; v. 238; p. 686.
- Legg, Andrew C., Birmingham, Ala. Duplex process for smoke-curing meats. No. 1,250,934; Dec. 18; v. 245; p. 802.
- Leggat, John H., Maisonneuve, Quebec, Canada. Cooking apparatus. No. 1,238,029; Aug. 21; v. 241; p. 872.
- Legge, Alfred G., Brockton, Mass. Cement-can. No. 1,215,667; Feb. 13; v. 235; p. 453.
- Legge, Thomas A. (See Hamm, Legge and Krohn.)
- Leggett, Christopher A., and A. W. Kersey, Emmett, Idaho. End-gate for wagons. No. 1,227,917; May 29; v. 238; p. 1456.
- Leggett, Herbert, Kansas City, Mo. Valve-grinding machine. No. 1,246,120; Nov. 13; v. 244; p. 322.
- Leggett, William T. (See Warner and Leggett.)
- Legon, Ernest, Sault Ste. Marie, Ontario, Canada. Track-gage. No. 1,242,210; Oct. 9; v. 243; p. 277.
- Lehberger, George, Newark, N. J. Under carriage or chassis for flying-machines. No. 1,229,297; June 12; v. 239; p. 360.
- Lehde, John G., Gardenville, N. Y. Planting-machine. No. 1,248,351; Nov. 27; v. 244; p. 1038.
- Lehman, Christian S., Lawn, Pa. Folding box. No. 1,221,755; Apr. 3; v. 237; p. 261.
- Lehman, Edward G., Canton, Ohio. Sheet-metal molding. No. 1,229,765; June 12; v. 239; p. 517.
- Lehman, Isador, deceased, Cleveland, Ohio; H. Stern and H. J. Schlosser, executors, assignors to A. L. and E. Steinfeld, New York, N. Y. Universal joint. No. 1,247,290; Nov. 20; v. 244; p. 703.
- Lehman, Isador, deceased, Cleveland, Ohio; H. Stern and H. J. Schlosser, executors, assignors to A. L. and E. Steinfeld, New York, N. Y. Universal joint. No. 1,247,291; Nov. 20; v. 244; p. 703.
- Lehman, Joseph H., New York, N. Y. Combined timer, distributor, and current-reversing device. No. 1,251,249; Dec. 25; v. 245; p. 944.
- Lehman, Max R., assignor to Quincy Pattern Company, Quincy, Ill. Combination coal and gas range. No. 1,231,391; June 26; v. 239; p. 1134.
- Lehman, Peter G., Mishawaka, Ind. Collar-wrapping machine. No. 1,224,858; May 1; v. 238; p. 262.
- Lehmann, Carl A. A., Bienne, Switzerland. Apparatus for straightening metallic wires, rods, and tubes of circular cross-section. No. 1,229,981; June 12; v. 239; p. 587.
- Lehmann, Hermann, and F. Hohnberg, Magdeburg, Germany. Recoil-reducing means for guns. No. 1,227,161; May 22; v. 238; p. 1175.
- Lehmann, Jacob G., Merrill, Iowa. Combination-elevator. No. 1,217,022; Feb. 20; v. 235; p. 979.
- Lehmann, Johannes, assignor to Firm of C. Zeiss, Jena, Germany. Cinematographic apparatus. No. 1,214,798; Feb. 6; v. 235; p. 109.
- Lehmann, Paul. (See Wagner, Edward, assignor.)
- Lehnert, Henry W. A., New York, N. Y. Bath-room fixture. No. 1,228,453; June 5; v. 239; p. 26.
- Lehr, Edwin, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Potential-regulator. No. 1,231,628; July 3; v. 240; p. 30.
- Lehr, Louis, Bayonne, N. J., assignor to Meyerowitz Manufacturing Company, Inc., New York, N. Y. Automatic prong-cutting machine. No. 1,216,469; Feb. 20; v. 235; p. 789.

Alphabetical list of patentees—Continued.

- Lehr, Louis, Bayonne, N. J., assignor to Meyerowitz Manufacturing Company, Inc., New York, N. Y. Setting-gage for prong-cutting machines. No. 1,216,470; Feb. 20; v. 235; p. 790.
- Lehr, Louis, Bayonne, N. J., assignor to Meyerowitz Manufacturing Company, Inc., New York, N. Y. Fingerring with interchangeable signet-top. No. 1,216,471; Feb. 20; v. 235; p. 790.
- Lehr, Peter T., et al. (See Rider, Herbert E., assignor.)
- Lehson, Emil C., Missoula, Mont. Gate-spring. No. 1,232,340; July 3; v. 240; p. 268.
- Leibe, Henry E., Irvington, assignor to Henry L. Leibe & Son, Newark, N. J. Buckle. No. 1,235,820; Aug. 7; v. 241; p. 95.
- Leibner, Albert, New York, N. Y. Car safety-fender. No. 1,227,458; May 22; v. 238; p. 1269.
- Leibner, Albert, New York, N. Y. Safety-fender. No. 1,237,917; Aug. 21; v. 241; p. 836.
- Leibner, Albert, New York, N. Y. Ash-tray. No. 1,245,744; Nov. 6; v. 244; p. 182.
- Leich, Arthur, et al. (See Collister and McDonald, assignors.)
- Leich, Arthur C., and J. S. Berner, Milwaukee, Wis. Ice-cream-sandwich machine. No. 1,232,576; July 10; v. 240; p. 378.
- Leich, Oscar M., assignor to Cracraft, Leich Electric Company, Genoa, Ill. Annunciator. No. 1,215,289; Feb. 6; v. 235; p. 280.
- Leicht, Louis, Yonkers, assignor of one-half to H. Classen, New York, N. Y. Globe or shade holder for lighting-fixtures. No. 1,214,933; Feb. 6; v. 235; p. 158.
- Leidecker Tool Company. (See McWhirter, Robert B., assignor.)
- Leigh Banana Case Company. (See Leigh, Charles Q. C., assignor.)
- Leigh, Charles Q. C., Chicago, Ill. Veneer shipping-crate. No. 1,222,638; Apr. 17; v. 237; p. 648.
- Leigh, Charles Q. C., assignor to Leigh Banana Case Company, Chicago, Ill. Banana-crate. No. 1,247,292; Nov. 20; v. 244; p. 703.
- Leigh, John F., Perry, Ark. Copy-holder. No. 1,241,130; Sept. 25; v. 242; p. 857.
- Leigh, Thomas E., Manchester, England, assignor to Anglo-American Textile Machinery Company, Abington, Mass. Lappet and thread-guide for spinning and like machines. No. 1,225,663; May 8; v. 238; p. 586.
- Leighton, Albert L., Artesia, Cal. Cultivator. No. 1,219,013; Mar. 13; v. 236; p. 431.
- Leighton, Arthur M., Melbourne, Quebec, Canada, assignor to Boston Last Company, Boston, Mass. Last. No. 1,222,553; Apr. 10; v. 237; p. 576.
- Leighton, Clinton H. (See Turner and Leighton.)
- Leighton, George W., and C. S. Babcock, Chicago, Ill. Coating material for paper for photographic uses. No. 1,225,146; May 8; v. 238; p. 411.
- Leighton, Herbert J., Syracuse, N. Y. Force-feed lubricator. No. 1,243,309; Oct. 16; v. 243; p. 657.
- Leighton Machine Company. (See Rice, John H., assignor.)
- Leighton, Robert E., Kingston, N. Y., assignor to Universal Road Machinery Co. Crusher. No. 1,214,693; Feb. 6; v. 235; p. 74.
- Leighton, Robert E., and J. H. Clearwater, Kingston, N. Y., assignors to Universal Road Machinery Co. Portable road machinery. No. 1,214,692; Feb. 6; v. 235; p. 74.
- Leihgeber, Johane W. A., Monessen, Pa. Cap. No. 1,242,211; Oct. 9; v. 243; p. 277.
- Leilich, Henry L., and J. P. Burger, assignors, by mesne assignments, to The Delphos Printing Press Company, Delphos, Ohio. Sheet-delivery means. No. 1,228,933; June 5; v. 239; p. 188.
- Leiman, George W. (See Leiman, William H. and G. W.)
- Leiman, William H. and G. W., Newark, N. J. Jeweler's work-bench. No. 1,249,786; Dec. 11; v. 245; p. 424.
- Leinert, Charles H., Chicago, Ill. Valve for compressors. No. 1,240,461; Sept. 18; v. 242; p. 618.
- Leinert, Wenzel, New York, N. Y. Shock-absorber for liquid-weighing machines. No. 1,247,693; Nov. 27; v. 244; p. 851.
- Leininger, Harry E., Chicago, Ill. Paper-holding clamp. No. 1,218,675; Mar. 13; v. 236; p. 309.
- Leisch, Joseph, Tryon, N. C., assignor to The John Church Company, Cincinnati, Ohio. Player-piano. No. 1,212,369; Jan. 16; v. 234; p. 751.
- Leisenring, Henry G., San Diego, Cal. Plate-holder for X-ray exposures. No. 1,219,965; Mar. 20; v. 236; p. 790.
- Leisse, Pierre L., Billancourt, France, assignor to L. Renault. Electric switch. No. 1,248,508; Dec. 4; v. 245; p. 22.
- Leissner, Harry F., Ljusne, Sweden. Internal-combustion engine. No. 1,230,729; June 19; v. 239; p. 872.
- Leister, Curtis D., Paris, Ark. Collapsible chicken crate or coop. No. 1,226,781; May 22; v. 238; p. 1044.
- Leitch, Hugh, Regina, Saskatchewan, Canada. Antiseptic flush-tank. No. 1,220,243; Mar. 27; v. 236; p. 924.
- Leitch, John H., Detroit, Mich. Automatic accelerator. No. 1,222,874; Apr. 17; v. 237; p. 729.
- Leitch, John W., Huddersfield, England. Chilling molten material and obtaining the solid in a subdivided state. No. 1,226,542; May 15; v. 238; p. 925.
- Leitch, Meredith, Poughkeepsie, N. Y., assignor to The De Laval Separator Company. Bowl-casing drain for cream-separators. No. 1,212,370; Jan. 16; v. 234; p. 751.
- Leitch, Meredith, Poughkeepsie, N. Y., assignor to The De Laval Separator Company. Bearing for centrifugal cream-separators. No. 1,212,371; Jan. 16; v. 234; p. 752.
- Leitch, Meredith, Poughkeepsie, N. Y., assignor to The De Laval Separator Company. Feed-controlling float-valve. No. 1,219,567; Mar. 20; v. 236; p. 652.
- Leitch, Meredith, Poughkeepsie, N. Y., assignor to The De Laval Separator Company. Milking-machine. No. 1,236,952; Aug. 14; v. 241; p. 491.
- Leitch, Meredith, Poughkeepsie, N. Y., assignor to The De Laval Separator Company. Milking-machine teat-cup. No. 1,239,923; Sept. 11; v. 242; p. 414.
- Leitch, Meredith, Poughkeepsie, N. Y., assignor to The De Laval Separator Company. Teat-cup for milking-machines. No. 1,249,134; Dec. 4; v. 245; p. 203.
- Leitner, Emil, Hoboken, N. J., assignor to Powers Photo Engraving Company, New York, N. Y. Making printing-plates. No. 1,243,431; Oct. 16; v. 243; p. 692.
- Leitner, William. (See Durst, Harry E., assignor.)
- Leitzinger, Clarence E. (See Feyrer, Ernest C., assignor.)
- Lekberg, Alfred, Portland, Oreg. Fire-kindler. No. 1,218,284; Mar. 6; v. 236; p. 140.
- Elektrik Sales Company. (See Bullis, Frederick O., assignor.)
- Leland-Gifford Company. (See Nikoloff, Subbo, assignor.)
- Leland, Harry R., assignor to Perfection Metal Products Company, Topeka, Kans. Sheet-metal-bending machine. No. 1,235,821; Aug. 7; v. 241; p. 95.
- Lelarge, Blanche A., executrix. (See Lelarge, Henri A. A. J.)
- Lelarge, Henri A. A. J., deceased, Paris; B. A. Lelarge, né Tapin, Severs, France, executrix. Carburetor. No. 1,219,568; Mar. 20; v. 236; p. 652.
- Leless, Frank A., and J. M. Nangle, Greensburg, Pa. Alarm apparatus. No. 1,240,062; Sept. 11; v. 242; p. 453.
- Lemaster, Maurice D., assignor to The Wolf Company, Chambersburg, Pa. Sifter. No. 1,217,786; Feb. 27; v. 235; p. 1288.
- Lemberg, Leon, Brooklyn, N. Y. Portable burglar-alarm. No. 1,238,532; Aug. 28; v. 241; p. 1070.
- Lemen, Lewis E. (See Matthews, Edward, assignor.)
- Lemieux, Alphonse E., Portland, Me. Ball-bearing. No. 1,226,782; May 22; v. 238; p. 1045.
- Lemieux, Joseph, Montreal, Quebec, Canada. Boot or shoe. No. 1,216,579; Feb. 20; v. 235; p. 829.
- Leming, Samuel E., and C. C. Ellenberger, Island Heights, N. J. Float-controlled circuit-closer. No. 1,234,354; July 24; v. 240; p. 1028.
- Lemke, Herman, Clinton, Conn. Convertible wheelbarrow and truck. No. 1,243,432; Oct. 16; v. 243; p. 693.
- Lemley, Israel D. (See Meadows, Joseph F., assignor.)
- Lemmens, Gustave J., Waterbury, and P. J. Fryer, Tunbridge, England. Insecticide, sheep-dip, and the like. No. 1,242,954; Oct. 16; v. 243; p. 548.
- Lemmens, Gustave J., Waterbury, and P. J. Fryer, Tunbridge, England. Insecticide, sheep-dip, animal-wash, and the like. No. 1,242,955; Oct. 16; v. 243; p. 548.
- Lemmon, George N., Greensburg, Pa. Electric switch. No. 1,219,470; Mar. 20; v. 236; p. 616.
- Lemmon, Thomas S., Latrobe, Pa. Thill-support. No. 1,220,861; Mar. 27; v. 236; p. 1140.
- Lemoine, Francis, Montreal, Quebec, Canada. Excavator. No. 1,235,704; Aug. 7; v. 241; p. 55.
- Lemon & Bro., William F. (See Hirst, Harry R., assignor.)
- Lemon, James F., assignor to The O. M. Edwards Company, Inc., Syracuse, N. Y. Padlock. No. 1,246,287; Nov. 13; v. 244; p. 372.
- Lemons, George G., London, England. Apparatus for actuating a rolling projectile. No. 1,216,472; Feb. 20; v. 235; p. 791.
- Lemons, Vallie D., Pontotoc, Miss. Quilting-frame. No. 1,212,516; Jan. 16; v. 234; p. 803.
- Lemp, Hermann, Erie, Pa., assignor to General Electric Company. Controlling means for engine-generator-driven vehicles. No. 1,216,237; Feb. 13; v. 235; p. 656.
- Lemp, Hermann, Erie, Pa., assignor to General Electric Company. Valve. No. 1,235,338; July 31; v. 240; p. 1367.
- Lemp, Hermann, Erie, Pa., assignor to General Electric Company. Air-compressor for internal-combustion engines. No. 1,236,187; Aug. 7; v. 241; p. 212.
- Lemp, Hermann, Erie, Pa., assignor to General Electric Company. Governing mechanism for engines. No. 1,240,739; Sept. 18; v. 242; p. 702.
- Lemp, Hermann, Erie, Pa., assignor to General Electric Company. Twin-cylinder engine. No. 1,246,121; Nov. 13; v. 244; p. 322.
- Lemp, Hermann, Erie, Pa., assignor to General Electric Company. Carbureting apparatus for internal-combustion engines. No. 1,251,390; Dec. 25; v. 245; p. 986.
- Lemp, Hermann, and H. W. Stock, Erie, Pa., assignors to General Electric Company. Engine-piston. No. 1,212,517; Jan. 16; v. 234; p. 803.
- Lemp, Michael W. F. Albrecht, and J. Shebol, assignors to Notowli Manufacturing Company, Syracuse, N. Y. Lavatory-fixture. No. 1,224,306; May 1; v. 238; p. 69.

- Lemp, Thomas H., and H. M. Cobb, Bagdad, Fla. Log-chain dog. No. 1,212,076; Jan. 9; v. 234; p. 617.
- Lenahan, Edward P., Philadelphia, Pa. Clothes-receptacle. No. 1,247,294; Nov. 20; v. 244; p. 704.
- Lenardié, Charles, Cleveland, Ohio. Rail-connecting device. No. 1,231,392; June 26; v. 239; p. 1134.
- Lencki, Joseph S., Chicago, Ill. Metallic tie and rail-fastener. No. 1,216,473; Feb. 20; v. 235; p. 791.
- Lenderoth, Arnold W. (See Fox and Lenderoth.)
- Lenders, Adolph W. H., Cedar Rapids, Iowa. Apparatus for freeing lump-starch from adhering dust or powder. No. 1,223,406; Apr. 24; v. 237; p. 941.
- Lenders, Adolph W. H., and H. F. Bauer, Cedar Rapids, Iowa. Manufacture of corn-oil. No. 1,225,664; May 8; v. 238; p. 586.
- Lendi, John H., Chicago, Ill. Rectifying system for high-tension alternating currents. No. 1,234,099; July 17; v. 240; p. 907.
- Lendle, Carl R., Chicago, Ill. Skirt-hanger. No. 1,247,551; Nov. 20; v. 244; p. 777.
- Lendner, Augustus R., Los Angeles, Cal. Submarine vessel. No. 1,247,974; Nov. 27; v. 244; p. 933.
- Lendner, Augustus R., assignor of one-fourth to G. E. Gardner, one-fourth to H. S. Benedict, and one-fourth to D. O. Thompson, Los Angeles, Cal. Can-labeling machine. No. 1,230,730; June 19; v. 239; p. 872.
- Lenich, L. Ray. (See Jackson, Albert C., assignor.)
- Lenke, Melchior, Brooklyn, N. Y. Cargo-beam. No. 1,228,120; May 29; v. 238; p. 1525.
- Lenker, Will G., Sunbury, Pa. Leveling-rod. No. 1,224,938; May 8; v. 238; p. 342.
- Lenmar Manufacturing Company. (See Marx, Joseph A., assignor.)
- Lenmar Manufacturing Company. (See Marx and Holden, assignors.)
- Lenn, David M., and A. Boomershrine, assignors to Mercantile Corporation, Dayton, Ohio. Paper-controlling device. No. 1,213,771; Jan. 23; v. 234; p. 1271.
- Lennon, William, Manitou, Colo. Trough or flume. No. 1,218,873; Mar. 13; v. 236; p. 384.
- Lennox, Talbot, Marshalltown, Iowa. Device for applying liquid insecticides to animals. No. 1,211,187; Jan. 2; v. 234; p. 278.
- Lent, Henry W., Jacksonville, Ohio. Weather-strip. No. 1,245,478; Nov. 6; v. 244; p. 99.
- Lent, Wilmar F. (See Townsend and Lent.)
- Lents, Grover C., and J. L. Best, Turrell, Ark. Automatic sanitary bin for grocers, &c. No. 1,229,100; June 5; v. 239; p. 243.
- Lentz, Hugo, Halensee, near Berlin, Germany. Multiple-expansion steam-engine. No. 1,224,939; May 8; v. 238; p. 342.
- Lentz, Hugo, Berlin-Halensee, Germany. Steam-engine for locomotives. No. 1,225,342; May 8; v. 238; p. 479.
- Lentz, Hugo, Berlin-Halensee, Germany. Valve-gearing for locomotives. No. 1,242,452; Oct. 9; v. 243; p. 352.
- Lentz, Hugo, Halensee, near Berlin, Germany. Mid-exhaust steam-engine. No. 1,246,953; Nov. 20; v. 244; p. 606.
- Lentz, Hugo, Halensee, near Berlin, Germany. Locomotive-engine. No. 1,246,954; Nov. 20; v. 244; p. 606.
- Lentz, Hugo, Halensee, near Berlin, Germany. Pressure-compensation device for locomotive-engines. No. 1,246,955; Nov. 20; v. 244; p. 607.
- Lenz, Peter C., Brooklyn, N. Y. Fusible link. No. 1,238,412; Aug. 28; v. 241; p. 1030.
- Lenzke, Conrad T., Minneapolis, Minn. Smoke-house. No. 1,229,298; June 12; v. 239; p. 361.
- Leo, Paul, Elizabeth, N. J. Treadle-operated mechanism for seal-presses. No. 1,228,934; June 5; v. 239; p. 189.
- Leombruni, Louis, Meriden, Conn. Sounding toy. No. 1,225,445; May 8; v. 238; p. 514.
- Leon-Ferenbach Silk Company, The. (See Cheeseman, Alva B., assignor.)
- Leonard, Albert P., New York, N. Y., assignor to Honolulu Iron Works Company. Aspirator. No. 1,221,463; Apr. 3; v. 237; p. 162.
- Leonard, Charles, Lake Geneva, Wis. Fishing-tackle. No. 1,222,774; Apr. 17; v. 237; p. 694.
- Leonard, Charles H., assignor to Grand Rapids Refrigerator Co., Grand Rapids, Mich. Drip-cup for refrigerator-traps. No. 1,228,034; May 29; v. 238; p. 1496.
- Leonard, Charles H., assignor to Grand Rapids Refrigerator Co., Grand Rapids, Mich. Refrigerator construction. No. 1,238,413; Aug. 28; v. 241; p. 1031.
- Leonard, Charles N., Indianapolis, Ind. Cabinet. No. 1,236,324; Aug. 7; v. 241; p. 254.
- Leonard, Chester S., and C. O. Reeps, assignors to The Willey Company, Incorporated, Philadelphia, Pa. Means for controlling an actuating-rod. No. 1,212,965; Jan. 16; v. 234; p. 961.
- Leonard Construction Company *et al.* (See Durkee and Prince, assignors.)
- Leonard, Dana, Waterloo, Iowa. Match-box. No. 1,229,982; June 12; v. 239; p. 587.
- Leonard, Edward B. (See Abigt and Leonard.)
- Leonard, Ethan A., Aurora, Ill. Trolley-harp. No. 1,213,890; Jan. 30; v. 234; p. 1844.
- Leonard, George A., Sheffield, Iowa. Building construction. No. 1,211,725; Jan. 9; v. 234; p. 493.
- Leonard, George I. (See Adams and Leonard.)
- Leonard, George I., Chicago, Ill. Machine for concentrating the heavier and valuable portions of ore. No. 1,241,861; Oct. 2; v. 243; p. 125.
- Leonard, George I., assignor to Leonard Pump and Motor Co., Chicago, Ill. Pump for liquids. No. 1,233,069; July 10; v. 240; p. 539.
- Leonard, Harry A., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Building-motion for spinning or winding machines. No. 1,212,650; Jan. 16; v. 234; p. 852.
- Leonard, Harry C., assignor to Grand Rapids Refrigerator Company, Grand Rapids, Mich. Refrigerator. No. 1,230,179; June 19; v. 239; p. 691.
- Leonard, Herman W., Los Angeles, Cal. Floor-heater. No. 1,217,612; Feb. 27; v. 235; p. 1229.
- Leonard, Howard M., assignor to Ruby Manufacturing Company, Jackson, Mich. Portable house. No. 1,230,180; June 19; v. 239; p. 691.
- Leonard, Howard M., assignor to Ruby Manufacturing Company, Jackson, Mich. Wall structure. No. 1,230,181; June 19; v. 239; p. 692.
- Leonard, Max, Philadelphia, Pa. Convertible garment. No. 1,247,779; Nov. 27; v. 244; p. 878.
- Leonard, Moses, Saginaw, Mich. Rail-joint. No. 1,241,406; Sept. 25; v. 242; p. 944.
- Leonard, Norris C., assignor to The Crown Company, Nashville, Tenn. Embroidery-hoop. No. 1,232,817; July 10; v. 240; p. 457.
- Leonard, Onis M., Macy, Ind. Breech for torpedo-tubes. No. 1,247,417; Nov. 20; v. 244; p. 739.
- Leonard Pump and Motor Co. (See Leonard, George I., assignor.)
- Leonard, Roy E., Los Angeles, Cal., assignor of one-half to F. W. A. Finley, Pittsburgh, Pa. Well-producing or earth-boring. No. 1,233,888; July 17; v. 240; p. 841.
- Leonard, Stephen R. (See Ellis and Leonard.)
- Leonard, William H., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Rock-drill. No. 1,251,391; Dec. 25; v. 245; p. 986.
- Leonard, William R., assignor of one-half to J. Hachmeister, Covington, Ky. Window or door screen. No. 1,229,983; June 12; v. 239; p. 587.
- Leonard, Zenas B., Cleveland, Ohio. Metal-heating furnace. No. 1,241,526; Oct. 2; v. 243; p. 17.
- Leonnig, Ernest M. (See Troy and Leonnig.)
- Leopold, George O., assignor to North Bro's M'fg. Co., Philadelphia, Pa. Clutch mechanism for power-machines. No. 1,212,966; Jan. 16; v. 234; p. 961.
- Leopold, George O., assignor to North Bro's M'fg. Co., Philadelphia, Pa. Clutch mechanism. No. 1,236,848; Aug. 14; v. 241; p. 458.
- Leopold, Nathan F. (See McCanna and Heinen, assignors.)
- Leov, George C., Oakland, assignor to American Automatic Press Company, San Francisco, Cal. Sheet-delivery mechanism for printing-presses. No. 1,211,726; Jan. 9; v. 234; p. 494.
- Lepak, Peter, Pittsburgh, Pa. Article-supporting stand. No. 1,226,543; May 15; v. 238; p. 925.
- Lepel, Egbert von, Berlin-Wilmersdorf, Germany. Producing electrical oscillations of high frequency from direct current. No. 1,224,048; Apr. 24; v. 237; p. 1166.
- Lepersonne, Octave, Amermont, Belgium. Four-cylinder internal-combustion engine. No. 1,248,509; Dec. 4; v. 245; p. 23.
- Lépine, Georges, Neuchâtel, Switzerland. Uninflamable and electrically-insulating liquid. No. 1,235,339; July 31; v. 240; p. 1368.
- Lépine, Robert, New York, N. Y. Necktie-holder. No. 1,225,257; May 8; v. 238; p. 447.
- Lepley, Daniel F., Connellsville, Pa. Stop mechanism for mine-hoists. No. 1,216,143; Feb. 13; v. 235; p. 623.
- Lepley, Daniel F., Connellsville, Pa. Valve-seat for mine-pumping conduits. No. 1,216,144; Feb. 13; v. 235; p. 624.
- Lepley, Daniel F., Connellsville, Pa. Automatic caging apparatus. No. 1,233,070; July 10; v. 240; p. 539.
- Lepley, Daniel F., Connellsville, Pa. Locking and unlocking mechanism for dumping-cages. No. 1,235,209; July 31; v. 240; p. 1328.
- Lepley, Daniel F., Connellsville, Pa. Car holding and releasing mechanism for mine-cages. No. 1,235,210; July 31; v. 240; p. 1328.
- Lepper, John G. (See Meyer and Lepper.)
- Lepper, John H., Mason City, Iowa. Electrical vaporizer. No. 1,222,425; Apr. 10; v. 237; p. 531.
- Lepper, John H., Mason City, Iowa. Heating means for carbureters. No. 1,222,426; Apr. 10; v. 237; p. 531.
- Lepper, John H., Mason City, Iowa. Internal-combustion engine. No. 1,230,909; June 26; v. 239; p. 971.
- Leraas, Anton A., Spokane, Wash. Detergent for cleaning and polishing purposes. No. 1,211,188; Jan. 2; v. 234; p. 279.
- Lerch, Arthur L., Lockport, N. Y. Mop-press. No. 1,246,956; Nov. 20; v. 244; p. 607.
- Lerch, William H., assignor to Eugene Dietzgen Company, Chicago, Ill. Desurfacer. No. 1,222,875; Apr. 17; v. 237; p. 729.
- Lerio, Louis, Mobile, Ala. Turpentine-cup. No. 1,211,189; Jan. 2; v. 234; p. 279.
- Lerner, Louis. (See Whalbe, Jacob M., assignor.)
- Leroux, Wilfred, Weyburn, Saskatchewan, Canada. Automobile-spring. No. 1,233,675; July 17; v. 240; p. 773.
- Lescault, Louis. (See Giles, Charles W., assignor.)

- Lescher, John J., assignor of one-half to C. Hurd, Mount Carmel, Ill. Grinding-machine. No. 1,219,827; Mar. 20; v. 236; p. 741.
- Leschziner, Siegfried, Newark, N. J. Air and gas mixer. No. 1,212,233; Jan. 16; v. 234; p. 701.
- Lesh, Ira B., Philadelphia, Pa., assignor to The Railway Materials Company, Chicago, Ill. Brake-shoe back. No. 1,231,754; July 3; v. 240; p. 74.
- Lesh, Ira B., Philadelphia, Pa., assignor to The Railway Materials Company, Chicago, Ill. Making brake-shoe backs. No. 1,231,755; July 3; v. 240; p. 74.
- Lesh, Ira B., Philadelphia, Pa., assignor to The Railway Materials Company, Chicago, Ill. Brake-shoe. No. 1,231,756; July 3; v. 240; p. 74.
- Lesh, Ira B., Philadelphia, Pa., assignor to The Railway Materials Company, Chicago, Ill. Brake-shoe. No. 1,231,757; July 3; v. 240; p. 74.
- Lesler, Albert F., New York, N. Y. Coin-controlled lock. No. 1,216,145; Feb. 13; v. 235; p. 624.
- Leslie Company, The. (See Metzger, Jules P., assignor.)
- Leslie, Ingram, John, Ky. Internal-combustion engine. No. 1,249,136; Dec. 4; v. 245; p. 204.
- Leslie, Robert W. D., London, and G. A. Child, Southampton, England. Ambulance-vehicle. No. 1,223,592; Apr. 24; v. 237; p. 1007.
- Lesnikowski, Szymon, Detroit, Mich. Wardrobe-trunk. No. 1,230,910; June 26; v. 239; p. 971.
- Lesperance, Joseph A., Montreal, Quebec, Canada. Heater. No. 1,251,060; Dec. 25; v. 245; p. 889.
- Lessard, Henry J., (See Smith, Arthur P., assignor.)
- Lesser, Gebrüder. (See Lippitz, Wilhelm, assignor.)
- Lesser, Meyer A., San Francisco, Cal. Stump for watch-makers' staking-tools. No. 1,236,849; Aug. 14; v. 241; p. 458.
- Lester, Charles, Ambridge, assignor of one-fourth to F. L. McCready, Sewickley, one-fourth to P. L. Sohn, and one-fourth to L. Sohn, Ambridge, Pa. Collapsible funnel. No. 1,242,453; Oct. 9; v. 243; p. 352.
- Lester, Frederick A., Chicago, Ill. Door-hanger. No. 1,232,577; July 10; v. 240; p. 378.
- Lester, Frederick A., Chicago, Ill. Door-actuating mechanism. No. 1,242,001; Oct. 2; v. 243; p. 170.
- Lester, Frederick A., assignor to Chicago Standard Equipment Company, Chicago, Ill. Car-roof. No. 1,218,676; Mar. 13; v. 236; p. 310.
- Lester, Frederick A., assignor to Chicago Standard Equipment Company, Chicago, Ill. Car-door. No. 1,242,000; Oct. 2; v. 243; p. 170.
- Lester, John E., Tacoma, Wash. Hydraulic ram. No. 1,214,192; Jan. 30; v. 234; p. 1445.
- Leszczewicz, Frank, Chicago, Ill. Horse-hitch for vehicles. No. 1,244,620; Oct. 30; v. 243; p. 1126.
- Letart, Henry F., Alburg, Vt. Drifting-valve mechanism. No. 1,217,023; Feb. 20; v. 235; p. 979.
- Letrich, Joseph, El Centro, Cal. Seed-planter. No. 1,211,603; Jan. 9; v. 234; p. 453.
- Letsch, Frederick W., assignor to The Crown Cork & Seal Company of Baltimore City, Baltimore, Md. Filling-machine. No. 1,227,807; May 29; v. 238; p. 1418.
- Lettich, John M., (See Gable, Benjamin F., assignor.)
- Letz, John H., assignor to The Letz Manufacturing Company, Crown Point, Ind. Grinding-machine. No. 1,223,497; Apr. 24; v. 237; p. 974.
- Letz, John H., assignor to The Letz Manufacturing Company, Crown Point, Ind. Grinding-bur. No. 1,244,513; Oct. 30; v. 243; p. 1093.
- Letz, John H., assignor to The Letz Manufacturing Company, Crown Point, Ind. Grinding-bur. No. 1,244,514; Oct. 30; v. 243; p. 1093.
- Letz, John H., assignor to The Letz Manufacturing Company, Crown Point, Ind. Grinding-bur. No. 1,244,515; Oct. 30; v. 243; p. 1094.
- Letz, John H., assignor to The Letz Manufacturing Company, Crown Point, Ind. Grinding-bur. No. 1,244,516; Oct. 30; v. 243; p. 1094.
- Letz, John H., assignor to The Letz Manufacturing Company, Crown Point, Ind. Grinding-bur. No. 1,244,517; Oct. 30; v. 243; p. 1094.
- Letz Manufacturing Company, The. (See Letz, John H., assignor.)
- Letz Manufacturing Company, The. (See Letz, William H., assignor.)
- Letz, William H., assignor to The Letz Manufacturing Company, Crown Point, Ind. Clutch mechanism for corn-planters. No. 1,238,157; Aug. 28; v. 241; p. 946.
- Letz, William H., assignor to The Letz Manufacturing Company, Crown Point, Ind. Clutch mechanism for corn-planters. No. 1,238,158; Aug. 28; v. 241; p. 947.
- Leu, Frederick, Long Island City, assignor to M. Calm, Brooklyn, N. Y. Nut-cracking machine. No. 1,213,510; Jan. 23; v. 234; p. 1183.
- Leu, Frederick, Carmel, assignor to M. Calm, New York, N. Y. Truing device. No. 1,215,822; Feb. 13; v. 235; p. 506.
- Leube, Charles H., Alameda, Cal. Luminous push-button attachment. No. 1,234,550; July 24; v. 240; p. 1091.
- Leuchsenring, Hermann H., Norwood borough, Pa., assignor to The S. S. White Dental Manufacturing Company, Tooth shade-guide. No. 1,244,994; Oct. 30; v. 243; p. 1239.
- Leuchter, August, Brooklyn, N. Y. Apparatus for electrodeposition of metals. No. 1,249,787; Dec. 11; v. 245; p. 424.
- Leustig, Benno B., Cleveland, Ohio. Flexible metal casing for laminated springs. No. 1,235,211; July 31; v. 240; p. 1328.
- Leustig, Benno B., Cleveland, Ohio. Flexible metal casing for laminated springs. No. 1,240,350; Sept. 18; v. 242; p. 583.
- Lev, Frank W., New York, assignor to C. & L. Machine Company, Astoria, N. Y. Packaging-machine. No. 1,218,786; Mar. 13; v. 236; p. 350.
- Lev, Frank W., New York, assignor to C. & L. Machine Company, Astoria, N. Y. Wrapping-machine. No. 1,218,787; Mar. 13; v. 236; p. 351.
- Levalley, Christopher W., Milwaukee, Wis. Concrete-mixing apparatus. No. 1,230,731; June 19; v. 239; p. 872.
- Levalley, Christopher W., Milwaukee, Wis. Delivery-chute for mixing-machines. No. 1,243,614; Oct. 16; v. 243; p. 747.
- Levalley, Christopher W., and S. Shafer, Jr., assignors to Chain Belt Company, Milwaukee, Wis. Apparatus for delivering concrete and other material. No. 1,230,820; June 19; v. 239; p. 902.
- Levey, Eugene, and E. Sas, New York, N. Y. Toy. No. 1,242,820; Oct. 9; v. 243; p. 470.
- Leveen, Swan J., assignor to Trlo Manufacturing Company, Rock Island, Ill. Fuse. No. 1,237,211; Aug. 14; v. 241; p. 572.
- Levens, Richard, Philadelphia, Pa. Asbestos-sheet connector. No. 1,244,870; Oct. 30; v. 243; p. 1202.
- Levesgue, Aimé C., et al. (See Smith and Frost, assignors.)
- Levett, Julius I., New York, N. Y. Washtub-cover. No. 1,217,025; Feb. 20; v. 235; p. 980.
- Levett, Julius I., New York, N. Y. Garbage-can. No. 1,240,740; Sept. 18; v. 242; p. 702.
- Leveugle, Leon, Roubaix, France. Apparatus for supplementing the carding and burring of the sliver in double-carding machines. No. 1,211,190; Jan. 2; v. 234; p. 279.
- Levey Bros. & Company. (See Glossbrenner, Alfred M., assignor.)
- Levey, Simon E., Union Hill, N. J. Ventilator. No. 1,211,191; Jan. 2; v. 234; p. 279.
- Levi, Daniel, New York, N. Y. Christmas-tree ornament. No. 1,216,580; Feb. 20; v. 235; p. 829.
- Levi, Ernst, Stuttgart, Germany. Measuring-jacket for ready-made clothing. No. 1,248,510; Dec. 4; v. 245; p. 23.
- Levi, Samuel L. (See Hazen and Levi.)
- Levien, Louis. (See Rider, Herbert E., assignor.)
- Levin, Edward, Brooklyn, N. Y. Skirt-marker. No. 1,237,664; Aug. 21; v. 241; p. 758.
- Levin, Isaac H., New York, N. Y. Electrolytic gas-generator. No. 1,214,934; Feb. 6; v. 235; p. 153.
- Levin, Isaac H., Newark, N. J. Electrolytic gas-generator. No. 1,219,966; Mar. 20; v. 236; p. 790.
- Levin, Isaac H., Newark, N. J. Electrolytic apparatus. No. 1,247,694; Nov. 27; v. 244; p. 851.
- Levin, Isadore, Chicago, Ill. Registering device for printing-presses. No. 1,241,527; Oct. 2; v. 243; p. 18.
- Levin, Lars O., Vancouver, Wash. Sanding device for motor-vehicles. No. 1,244,345; Oct. 23; v. 243; p. 1005.
- Levin, Max, Chicago, Ill. Ice-box. No. 1,237,665; Aug. 21; v. 241; p. 758.
- Levin, Milton, assignor to Lion Safety Pin Clutch Company, Inc., New York, N. Y. Finger-ring guard. No. 1,217,097; Feb. 20; v. 235; p. 1003.
- Levin, Nils D., Columbus, Ohio. Mine-protection system. No. 1,234,185; July 24; v. 240; p. 973.
- Levin, Nils D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Mining-machine. No. 1,244,871; Oct. 30; v. 243; p. 1202.
- Levin, Nils D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Loading-machine. No. 1,246,762; Nov. 13; v. 244; p. 514.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Electric locomotive. No. 1,247,418; Nov. 20; v. 244; p. 739.
- Levin, Nils D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Mining-machine. No. 1,247,419; Nov. 20; v. 244; p. 739.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining-machine. No. 1,247,420; Nov. 20; v. 244; p. 740.
- Levin, Nils D., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Electric-locomotive cable-reeling mechanism. No. 1,247,421; Nov. 20; v. 244; p. 740.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining-machine. No. 1,247,422; Nov. 20; v. 244; p. 741.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Conveyor for loading-machines. No. 1,247,423; Nov. 20; v. 244; p. 741.
- Levin, Nils D., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining-machine and truck. No. 1,247,424; Nov. 20; v. 244; p. 741.
- Levine, Jacob M., Clinton, Ill. Automatic oil-cup for air-pumps. No. 1,249,187; Dec. 4; v. 245; p. 204.
- Levine, Joseph M., et al. (See Carmody, Harold J., assignor.)

- Levinson, David J., Hinckley, N. Y. Leaf-turner. No. 1,220,520; Mar. 27; v. 236; p. 1023.
- Levinstein, Herbert, and J. Baddiley, Blackley, assignors to Levinstein Limited, Manchester, England. Production of fast shades on vegetable fibers and dyestuffs therefor. No. 1,232,056; July 3; v. 240; p. 176.
- Levinstein, Ivan, assignor to Company of Levinstein Limited, Manchester, England. Sulfonated palmitic compound. No. 1,219,967; Mar. 20; v. 236; p. 790.
- Levinstein Limited. (See Levinstein and Baddiley, assignors.)
- Levinstein Limited. (See Morgan, Gilbert T., assignor.)
- Levis, John H., Jr., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone system. No. 1,210,499; Jan. 2; v. 234; p. 42.
- Levis, Thomas S. (See Luery, Levis, and Nelson.)
- Levitan, Barney. (See Cannon, Jeronimo, assignor.)
- Levitt, Arthur F., South Pasadena, Cal. Combination stamp, crushing, and grinding mill. No. 1,247,293; Nov. 20; v. 244; p. 704.
- Levitt, Nathan, and C. Gold, New York, N. Y. Combined match-case and cigar-typ cutter. No. 1,249,138; Dec. 4; v. 245; p. 204.
- Levitt, Philip, Chicago, Ill. Joint. No. 1,215,944; Feb. 13; v. 235; p. 551.
- Levy, Alfred, Jersey City, N. J. Button. No. 1,218,095; Mar. 6; v. 236; p. 72.
- Levy, David, New York, N. Y. Brush. No. 1,240,860; Sept. 25; v. 242; p. 773.
- Levy, Edward D. (See Jacobs and Levy.)
- Levy, Edward D., Springfield, Mo., and B. W. Mudge, Chicago, Ill. Section-car. No. 1,227,808; May 29; v. 238; p. 1418.
- Levy, Fortunato, Paris, France, assignor to General Carbonic Co., Brooklyn, N. Y. Apparatus for spraying or atomizing liquids or liquid compositions such as paints. No. 1,210,500; Jan. 2; v. 234; p. 42.
- Levy, Israel, Brooklyn, N. Y. Submarine-fender. No. 1,247,295; Nov. 20; v. 244; p. 704.
- Levy, Julius, Roland Park, Md. Torpedo-guard. No. 1,240,152; Sept. 11; v. 242; p. 480.
- Levy, Julius A., Walla Walla, Wash. Door-check. No. 1,232,818; July 10; v. 240; p. 458.
- Levy, Lionel F., Philadelphia, Pa. Pneumatic printing-frame. No. 1,246,620; Nov. 13; v. 244; p. 474.
- Levy, Louis, *et al.* (See Davis, John T., assignor.)
- Levy, Louis. (See Farrell, James P., assignor.)
- Levy and Marcus. (See Marcus, Aaron, assignor.)
- Levy, Max, Philadelphia, Pa. Hemocytometer. No. 1,214,331; Jan. 30; v. 234; p. 1497.
- Lew, Albert, Baker, Oreg. Tire-remover. No. 1,243,534; Oct. 16; v. 243; p. 723.
- Lewandowski, Bruno, Tulare, Cal. Head-lamp. No. 1,235,340; July 31; v. 240; p. 1368.
- Lewandowski, Frank F., Detroit, Mich. Baking-pan. No. 1,238,030; Aug. 21; v. 241; p. 872.
- Lewandowski, Leon, assignor of one-half to A. S. Fijalkowski, Detroit, Mich. Safety attachment for elevators. No. 1,218,285; Mar. 6; v. 236; p. 140.
- Lewandowski, Leon, assignor of one-half to A. S. Fijalkowski, Detroit, Mich. Elevator safety appliance. No. 1,238,414; Aug. 28; v. 241; p. 1031.
- Lewellen, John W., Ridal, and F. P. Homer, Aldan, Pa. Headlight. No. 1,222,427; Apr. 10; v. 237; p. 532.
- Lewers, Robert J., Newport News, Va. Toilet-disinfectant. No. 1,221,340; Apr. 3; v. 237; p. 119.
- Lewi, William G., Albany, N. Y. Speed-controlling apparatus for motor-vehicles. No. 1,212,153; Jan. 9; v. 234; p. 644.
- Lewis, Albert H., Los Angeles, Cal. Game. No. 1,242,002; Oct. 2; v. 243; p. 170.
- Lewis, Alfred M., Minter, Tex. Fastener. No. 1,214,799; Feb. 6; v. 235; p. 109.
- Lewis, Arthur B., *et al.*, trustees. (See Fisher, Elmer F., assignor.)
- Lewis, Arthur J., Stratford, Conn., A. E. McClain, W. O. Skeen, and J. O. Massey, assignors, by mesne assignments, to The American Pad and Textile Company, Greenfield, Ohio. Pad and clip assembling machine. No. 1,241,863; Oct. 2; v. 243; p. 125.
- Lewis, Bernard A., Long Beach, Cal. Dental brush. No. 1,242,821; Oct. 9; v. 243; p. 470.
- Lewis, Burdette C. (See Strickler and Lewis.)
- Lewis, Charles E. (See Dick, Rutter, and Lewis.)
- Lewis, Clifford A., Portland, Oreg. Sight-light for firearms. No. 1,215,171; Feb. 6; v. 235; p. 239.
- Lewis, Corinne M., Newtonville, Mass. Hand-loom. No. 1,225,446; May 8; v. 238; p. 515.
- Lewis, Edgar A., and P. R. Pinkard, Roswell, N. Mex.; said Pinkard assignor of four-tenths of the whole right to said Lewis. Music-leaf turner. No. 1,244,749; Oct. 30; v. 243; p. 1165.
- Lewis, Edward R. (See Connolly, Patrick J., assignor.)
- Lewis, Edward T., Oceanpark, Cal. Stopping attachment for watches. No. 1,230,732; June 19; v. 239; p. 873.
- Lewis, Edward T., Oceanpark, Cal. Stopping attachment for watches. No. 1,230,733; June 19; v. 239; p. 873.
- Lewis, Edward T., Los Angeles, Cal. Alarm-clock. No. 1,245,245; Nov. 6; v. 244; p. 31.
- Lewis, Edward Z. (See Murphy, Lewis, and Willson.)
- Lewis, Edward Z., Chicago, Ill. Attachment for typewriters. No. 1,214,557; Feb. 6; v. 235; p. 26.
- Lewis, Ernest, Burlington, N. J. Cut-off regulator and indicator for steam-engines. No. 1,246,621; Nov. 13; v. 244; p. 474.
- Lewis, Everett C., Cranston, R. I., assignor, by mesne assignments, to Universal Winding Company, Boston, Mass. Shaft-coupling. No. 1,217,465; Feb. 27; v. 235; p. 1176.
- Lewis, Frank H. (See Mansfield, George F., assignor.)
- Lewis, George A. (See Young and Lewis.)
- Lewis, George H., Elyria, Ohio. Resilient shoe-heel section or lift. No. 1,222,639; Apr. 17; v. 237; p. 648.
- Lewis, George H., Elyria, Ohio. Shoe-heel section or lift. No. 1,242,213; Oct. 9; v. 243; p. 277.
- Lewis, George H., assignor to Fisk Rubber Company, Chicopee Falls, Mass. Pneumatic-tire calipers. No. 1,238,535; Aug. 28; v. 241; p. 1072.
- Lewis, George W., assignor to Grinnell Washing Machine Company, Grinnell, Iowa. Gearing device. No. 1,211,723; Jan. 9; v. 234; p. 492.
- Lewis, George W., assignor to Grinnell Washing Machine Company, Grinnell, Iowa. Gearing device for washing-machines. No. 1,231,918; July 3; v. 240; p. 128.
- Lewis, Goodrich Q., Wheaton, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging for cars. No. 1,228,572; June 5; v. 239; p. 68.
- Lewis, Goodrich Q., Wheaton, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging. No. 1,228,573; June 5; v. 239; p. 68.
- Lewis, Goodrich, Wheaton, Ill., assignor to W. H. Miner, Chazy, N. Y. Railway draft-rigging. No. 1,232,341; July 3; v. 240; p. 268.
- Lewis, Goodrich Q., Wheaton, Ill., assignor to W. H. Miner, Chazy, N. Y. Tandem draft-rigging. No. 1,251,061; Dec. 25; v. 245; p. 889.
- Lewis, Harriet E., New York, N. Y. Game apparatus. No. 1,218,874; Mar. 13; v. 236; p. 384.
- Lewis, Harry, assignor of two-thirds to A. J. Lloyd, Pittsburgh, Pa. Electrical valve. No. 1,242,003; Oct. 2; v. 243; p. 170.
- Lewis, Henry. (See Givens and Lewis.)
- Lewis, Henry W., Washington, D. C. Work-bench. No. 1,218,193; Mar. 6; v. 236; p. 106.
- Lewis, Herbert F., Philadelphia, Pa. Automatic regulator for gas systems. No. 1,236,953; Aug. 14; v. 241; p. 492.
- Lewis, Homer M., assignor of one-half to A. G. Swayzee, Springfield, Ill. Cone-clutch. No. 1,240,741; Sept. 18; v. 242; p. 703.
- Lewis, Howard, Bloomington, Ind. Lubricating-oil-storage tank. No. 1,246,819; Nov. 13; v. 244; p. 531.
- Lewis, Isabel M., Washington, D. C. Medicine-administering device. No. 1,215,823; Feb. 13; v. 235; p. 507.
- Lewis, J. T., *et al.* (See Harris, Richard G., assignor.)
- Lewis, James W., assignor of one-fourth to T. L. Lee, Boley, Okla. Life-preserver. No. 1,212,077; Jan. 9; v. 234; p. 617.
- Lewis, John C. (See Nickum, Walter D., assignor.)
- Lewis, John G., St. Louis, Mo. Sewing-machine. No. 1,243,745; Oct. 23; v. 243; p. 823.
- Lewis, John M. B., Lynchburg, Va. Cattle drinking apparatus. No. 1,249,139; Dec. 4; v. 245; p. 205.
- Lewis, Leroy M., Merion, Pa. Fusible link. No. 1,244,106; Oct. 23; v. 243; p. 933.
- Lewis, Lloyd V., Edgewood borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. No. 1,217,787; Feb. 27; v. 235; p. 1289.
- Lewis, Lloyd V., Edgewood borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Fluid-pressure-controlling apparatus for railway-vehicles. No. 1,224,940; May 8; v. 238; p. 342.
- Lewis, Mary C., Pittsburgh, Pa. Toilet article. No. 1,249,140; Dec. 4; v. 245; p. 205.
- Lewis, Miles K., Lompoc, Cal. Attachment for steering-wheels. No. 1,247,425; Nov. 20; v. 244; p. 742.
- Lewis, Newton J., assignor of one-half to Wilmington Auto Company, Wilmington, Ohio. Axle. No. 1,248,684; Dec. 4; v. 245; p. 75.
- Lewis, Oscar, Weinert, Tex. Match-safe. No. 1,235,341; July 31; v. 240; p. 1368.
- Lewis, Owen B., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Fusible link. No. 1,248,433; Nov. 27; v. 244; p. 1061.
- Lewis, Ralph A., assignor of one-third to W. Strait and one-third to W. N. Scales, Grangeville, Idaho. Trap. No. 1,213,387; Jan. 23; v. 234; p. 1141.
- Lewis, Ralph H., Ematon, Kans. Dirigible headlight. No. 1,245,474; Nov. 6; v. 244; p. 99.
- Lewis, Raymond J., Elwood, Ind. Railway-track gage. No. 1,239,192; Sept. 4; v. 242; p. 150.
- Lewis, Reed M., Aliquippa, Pa. Railway signaling system. No. 1,210,816; Jan. 2; v. 234; p. 150.
- Lewis, Reed M., Aliquippa, Pa. Internal-combustion engine. No. 1,211,604; Jan. 9; v. 234; p. 453.
- Lewis, Robert A. (See Jones, Eli, assignor.)
- Lewis, Russell W., Waukegan, Ill., assignor to United States Envelope Company, Springfield, Mass. Assembling and banding machine. No. 1,221,196; Apr. 3; v. 237; p. 69.
- Lewis, Samuel A. (See Haig and Lewis.)

Alphabetical list of patentees—Continued.

- Lewis, Samuel H., Richmond, Va. Fluid-pressure-operated valve-gear-shifting mechanism. No. 1,221,876; Apr. 10; v. 237; p. 336.
- Lewis, Samuel W., Tip Top, Ky. Agitating device. No. 1,220,862; Mar. 27; v. 236; p. 1140.
- Lewis, Thomas A. (See Van Zile and Lewis.)
- Lewis, Thomas H., assignor of three-tenths to J. J. Pierpont, Pana, Ill. Car-coupling. No. 1,241,131; Sept. 25; v. 242; p. 857.
- Lewis, Walter S., San Francisco, Cal. Power-transmitting mechanism. No. 1,241,864; Oct. 2; v. 243; p. 126.
- Lewis, Wilbur S., Lakewood, Ohio. Multiple lightning-arrester. No. 1,249,429; Dec. 11; v. 245; p. 319.
- Lewis, Wilbur S., Cleveland, Ohio. Test-clip. No. 1,249,430; Dec. 11; v. 245; p. 319.
- Lewis, Wilfred, Haverford, assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Flask-clamp for roll-over molding-machines. No. 1,245,113; Oct. 30; v. 243; p. 1275.
- Lewis, Wilfred, Haverford, assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Vibrator. No. 1,245,603; Nov. 6; v. 244; p. 140.
- Lewis, Wilfred, Haverford, and J. T. Ramsden, assignors to The Tabor Manufacturing Company, Philadelphia, Pa. Molding-machine. No. 1,245,114; Oct. 30; v. 243; p. 1275.
- Lewis, Willard L., Walpole, Mass. Automatic web-guiding device. No. 1,233,257; July 10; v. 240; p. 598.
- Lewis, William, Utica, N. Y. Wire mattress. No. 1,225,253; May 8; v. 238; p. 447.
- Lewis, William A. (See Yocum and Lewis.)
- Lewis, William J. (See Lape, Willard E., assignor.)
- Lewis, William K., Denver, Colo. Beet-pulling machine. No. 1,235,903; Aug. 7; v. 241; p. 123.
- Lewkowicz, Ladis, New York, N. Y. Aeronautical apparatus. No. 1,238,031; Aug. 21; v. 241; p. 873.
- Lewson, Harry, Brooklyn, N. Y. Door-hanger. No. 1,222,876; Apr. 17; v. 237; p. 730.
- Lewter, Dallas C., Apex, N. C. Display-rack. No. 1,248,685; Dec. 4; v. 245; p. 76.
- Lewy, Elisa, New York, N. Y. Corsage-bouquet holder. No. 1,210,957; Jan. 2; v. 234; p. 200.
- Lewyt, Arthur, Brooklyn, N. Y. Brush and glass holder. No. 1,242,956; Oct. 16; v. 243; p. 548.
- Ley, George A., Chicago, Ill. Testing apparatus for flash-lights. No. 1,217,026; Feb. 20; v. 235; p. 980.
- Ley, George A., Chicago, Ill. Fuse. No. 1,244,346; Oct. 23; v. 243; p. 1005.
- Ley, Herbert J., Lawrenceburg, Tenn. Barn. No. 1,226,783; May 22; v. 238; p. 1045.
- Leyer, William A., Knoxville, Tenn. Egg-tester. No. 1,247,426; Nov. 20; v. 244; p. 742.
- Leymarie, Antoine E., Paris, France. Shock-absorber for vehicles. No. 1,223,705; Apr. 24; v. 237; p. 1049.
- Liady, Fred G., Fullerton, Cal. Wire-wheel carrier for automobiles. No. 1,231,393; June 26; v. 239; p. 1135.
- Libbey Glass Company, The. (See Danner, Edward, assignor.)
- Libbey, Richard H. (See Williams and Libbey.)
- Libbey, Richard O. (See Harmon and Libbey.)
- Libbey, Samuel R., Cottonwood, Idaho. Extension-table. No. 1,242,822; Oct. 9; v. 243; p. 471.
- Libby, Albion D. T., Elyria, Ohio, assignor, by mesne assignments, to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone system. No. 1,214,694; Feb. 6; v. 235; p. 75.
- Libby, Albion D. T., Orange, assignor to Splitdorf Electrical Company, Newark, N. J. Starting mechanism for hydrocarbon-engines. No. 1,219,569; Mar. 20; v. 236; p. 653.
- Libby, Arthur A., Reading, Mass. Tooth-brush. No. 1,251,250; Dec. 25; v. 245; p. 944.
- Libby, Edward, Montreal, Quebec, Canada. Combined signal and license-plate. No. 1,229,483; June 12; v. 239; p. 423.
- Libby, Leonard F., Portland, Me. Plate-developing holder. No. 1,223,057; Apr. 17; v. 237; p. 791.
- Libby, Sam H., East Orange, N. J., assignor to General Electric Company. Electrically-controlled hoist. No. 1,229,984; June 12; v. 239; p. 588.
- Lieberman, Bernard, Philadelphia, Pa. Cigar-wrapper moistener and container. No. 1,214,194; Jan. 30; v. 234; p. 1446.
- Lieberman, Bernard, and J. C. Wobensmith, Philadelphia, Pa.; said Wobensmith assignor to said Lieberman. Cigar-bunching machine. No. 1,214,193; Jan. 30; v. 234; p. 1446.
- Lieberman, Bernard, W. M. Reichart, and J. C. Wobensmith, Philadelphia, Pa.; said Reichart and said Wobensmith assignors to said Lieberman. Tobacco stripping and booking machine. No. 1,239,115; Sept. 4; v. 242; p. 128.
- Lieberman, Charles, assignor to U. S. Bolt Lock Company, New York, N. Y. Multiple-bolt lock. No. 1,237,794; Aug. 21; v. 241; p. 798.
- Liberto, Samuel, San Antonio, Tex. Attachment for coffee-roasters. No. 1,251,392; Dec. 25; v. 245; p. 986.
- Liberty, Archie, Amasa, Mich. Mechanical starter for internal-combustion engines. No. 1,248,352; Nov. 27; v. 244; p. 1039.
- Liberty Bell Company, The. (See Reinker, Christian, assignor.)
- Liberty Mop & Specialty Manufacturing Company, The. (See Barber, William J., assignor.)
- Liberty Motor Car Company. (See Cole, Roy E., assignor.)
- Library Bureau. (See Keil, Henry F., assignor.)
- Lichtenberg, Erich H., assignor to Koehring Machine Company, Milwaukee, Wis. Hand-operated chute. No. 1,221,756; Apr. 3; v. 237; p. 261.
- Lichtenberg, Erich H., assignor to Koehring Machine Company, Milwaukee, Wis. Concrete-mixer-loading bucket. No. 1,223,185; Apr. 17; v. 237; p. 836.
- Lichtenstein, Edmund, Charlottenburg, Germany. Roller copying-press. No. 1,247,296; Nov. 20; v. 244; p. 705.
- Lichtenstein, Solomon, Binghamton, N. Y. Lamp and road-lighting system for automobiles. No. 1,248,140; Nov. 27; v. 244; p. 979.
- Lichtman, Michael, New York, N. Y. Photographic camera. No. 1,222,310; Apr. 10; v. 237; p. 489.
- Lickiss, George A. (See Heumann, Henry F., assignor.)
- Liddel, Moses V., Brooklyn, N. Y. Wheeled scraper. No. 1,222,428; Apr. 10; v. 237; p. 532.
- Liddle, John, et al. (See McIntosh, John C., assignor.)
- Liddle, Walter J., Milwaukee, Wis. Priming-cup for motors. No. 1,227,459; May 22; v. 238; p. 1270.
- Lidgerwood Manufacturing Company. (See Dickinson and Swan, assignors.)
- Lidgerwood Manufacturing Company. (See Miller and Ruggles, assignors.)
- Lidgerwood Manufacturing Company. (See Swan, Ervin D., assignor.)
- Lidgerwood Manufacturing Company. (See Wachter, Charles L., assignor.)
- Liebau, Richard, Swissvale, Pa., assignor to The Westinghouse Air Spring Company. Variable-load air-spring. No. 1,218,875; Mar. 13; v. 236; p. 384.
- Liebau, Richard, New Haven, Conn., assignor to The Westinghouse Air Spring Company. Automatic air-spring. No. 1,250,475; Dec. 18; v. 245; p. 665.
- Lieber, Hugo, New York, N. Y. Plastic composition and making the same. No. 1,213,115; Jan. 16; v. 234; p. 1013.
- Lieber, Louis O., Los Angeles, Cal. Plug and receptacle connector. No. 1,227,918; May 29; v. 238; p. 1456.
- Lieber, Louis O., Los Angeles, Cal. Universal lamp-base. No. 1,231,758; July 3; v. 240; p. 74.
- Lieber, Louis O., Los Angeles, Cal. Universal receptacle. No. 1,231,760; July 3; v. 240; p. 75.
- Lieberman, Simon, New York, N. Y. Platform for stairways. No. 1,248,141; Nov. 27; v. 244; p. 979.
- Liebermann, Paul B., East Orange, assignor, by mesne assignments, to Hyatt Roller Bearing Division, United Motors Corporation, Harrison, N. J. Hanger-box. No. 1,249,431; Dec. 11; v. 245; p. 320.
- Lieberthal, Robert H. (See Schwalb, Otto, assignor.)
- Liebig, William G., Detroit, Mich. Tuft-gathering mechanism for brush-making machines. No. 1,236,954; Aug. 14; v. 241; p. 492.
- Liebknecht, Otto, Frankfort-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Compound containing active oxygen and making the same. No. 1,222,640; Apr. 17; v. 237; p. 648.
- Liebknecht, Otto, Frankfort-on-the-Main, Germany, assignor to Roessler & Hasslacher Chemical Company, New York, N. Y. Manufacturing alkali percarbonates. No. 1,225,832; May 15; v. 238; p. 686.
- Liebknecht, Otto, Frankfort-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Process of and apparatus for manufacturing prussic acid. No. 1,235,342; July 31; v. 240; p. 1368.
- Liebknecht, Otto, Frankfort-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Producing prussic acid. No. 1,235,343; July 31; v. 240; p. 1369.
- Liebknecht, Otto, Frankfort-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Electrolytic process of making alkali perborates. No. 1,235,904; Aug. 7; v. 241; p. 123.
- Liebknecht, Otto, Frankfort-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Electrolytic process of making alkali perborates. No. 1,235,905; Aug. 7; v. 241; p. 123.
- Liebknecht, Otto, and A. Schaidhauf, Frankfort-on-the-Main, Germany, assignors to Roessler and Hasslacher Chemical Company, New York, N. Y. Stable hydrogen peroxid and making the same. No. 1,213,921; Jan. 30; v. 234; p. 1354.
- Liebmam, Louis. (See Schwartz and Liebmam.)
- Liebmam, Adolf. (See Dewar and Liebmam.)
- Liebowitz, Benjamin, New York, N. Y. Vehicle suspension. No. 1,240,992; Sept. 25; v. 242; p. 814.
- Liebzelt, Henry G., Sheboygan Falls, Wis. Oil-supply system for burners. No. 1,212,078; Jan. 9; v. 234; p. 618.
- Liedtke, Hugo F., Philadelphia, Pa. Internal-combustion and steam engine. No. 1,217,788; Feb. 27; v. 235; p. 1289.
- Lienesch, Walter H., assignor to Universal Concrete Products Company, Chicago, Ill. Centrifugal concrete-pole machine. No. 1,222,958; Apr. 17; v. 237; p. 757.
- Liese, Hendrik M., Hamburg, Germany. Apparatus for controlling the velocity of a fluid flowing through a passage. No. 1,215,669; Feb. 13; v. 235; p. 453.
- Lietz, Adolph, San Francisco, Cal. Navigator's alidade. No. 1,218,422; Mar. 6; v. 236; p. 185.

- Lietz, Adolph, San Rafael, Cal. Compensating binnacle. No. 1,241,132; Sept. 25; v. 242; p. 857.
- Lietz, Paul S., assignor of one-half to J. H. Watkins, Chicago, Ill. Composition railway-tie and making same. No. 1,250,194; Dec. 18; v. 245; p. 582.
- Liff, Madison M., and W. R. Hon, Conception Junction, Mo. Combination-valve. No. 1,237,795; Aug. 21; v. 241; p. 798.
- Lifshitz, Max, Brooklyn, N. Y. Dental bridge. No. 1,232,698; July 10; v. 240; p. 418.
- Ligett & Myers Tobacco Company. (See Gilliam, Lawrence M., assignor.)
- Liggett, William K., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Pulverizer. No. 1,214,558; Feb. 6; v. 235; p. 26.
- Liggett, William K., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Fan. No. 1,243,615; Oct. 16; v. 243; p. 748.
- Liggett, William K., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Screening mechanism. No. 1,247,427; Nov. 20; v. 244; p. 742.
- Liggins, William L., St. Louis, Mo. Alcohol-lamp. No. 1,228,328; May 29; v. 238; p. 1591.
- Light, Arthur H., Oakland, Cal. Liquid-atomizer. No. 1,250,600; Dec. 18; v. 245; p. 703.
- Light, Claus H., assignor of one-half to E. Kramer, Des Moines, and one-fourth to E. Rudnich and one-fourth to H. Dammann, Manning, Iowa. Envelop. No. 1,247,428; Nov. 20; v. 244; p. 743.
- Light Draft Harrow Company. (See Peterson, Hilding F., assignor.)
- Light, Frederick, Jr. (See Bryan, Frederick E., assignor.)
- Light, Samuel, and W. Eichelberger, Pierce, W. Va. Self-moistening and self-soaping brush. No. 1,212,967; Jan. 16; v. 234; p. 962.
- Lightbody, Frank J., Watertown, assignor to Cambridge Novelty Company, Cambridge, Mass. Holder for rotary balls or bobbins. No. 1,215,824; Feb. 13; v. 235; p. 507.
- Lightbody, Frank J., Watertown, assignor to Cambridge Novelty Company, Cambridge, Mass. Holder for rotary balls or bobbins. No. 1,215,825; Feb. 13; v. 235; p. 507.
- Lightburne, Alvan W., Liberty, Mo. Convertible end-gate for wagons. No. 1,214,045; Jan. 30; v. 234; p. 1397.
- Lightle, Adam, Port Allen, assignor of one-half to J. Murray, New Orleans, La. Track-laying machine. No. 1,215,172; Feb. 6; v. 235; p. 239.
- Lightfoot Cotton Harvester Company. (See Lightfoot, Exta, assignor.)
- Lightfoot, Edwin N. (See Hadaway, Lightfoot, and Amon.)
- Lightfoot, Edwin N., New York, N. Y. Electric toaster. No. 1,219,650; Mar. 20; v. 236; p. 680.
- Lightfoot, Edwin N., New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Insulator. No. 1,236,188; Aug. 7; v. 241; p. 212.
- Lightfoot, Edwin N., New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Shoe-beading machine. No. 1,245,745; Nov. 6; v. 244; p. 182.
- Lightfoot, Edwin N., New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electrically-heated bed-lasting machine. No. 1,245,746; Nov. 6; v. 244; p. 182.
- Lightfoot, Edwin N., New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric table-stove. No. 1,246,622; Nov. 13; v. 244; p. 474.
- Lightfoot, Exta, Fort Worth, Tex., assignor to Lightfoot Cotton Harvester Company, Chicago, Ill. Cotton-harvesting machine. No. 1,210,958; Jan. 2; v. 234; p. 201.
- Lightfoot, Exta, Fort Worth, Tex., assignor to Lightfoot Cotton Harvester Company, Chicago, Ill. Cotton-picking spindle. No. 1,245,246; Nov. 6; v. 244; p. 32.
- Lightfoot, Wallace L., Brooklyn, N. Y. Repeater for talking-machines. No. 1,226,979; May 22; v. 238; p. 1112.
- Ligon, Arthur L., Fort Stockton, Tex. Pump. No. 1,223,498; Apr. 24; v. 237; p. 975.
- Ligon, Harry W., Atlanta, Ga. Mechanical starter for automobile-engines. No. 1,217,466; Feb. 27; v. 235; p. 1176.
- Lile, Clarence, assignor to Superior Products Company, Granite City, Ill. Box-liner. No. 1,222,221; Apr. 10; v. 237; p. 458.
- Liles, Ormand C., Farmville, N. C. Motor-vehicle extricator. No. 1,232,342; July 3; v. 240; p. 269.
- Lilienfeld, Julius E., Leipzig, Germany. Roentgen-ray tube. No. 1,218,423; Mar. 6; v. 236; p. 186.
- Lilienfeld, Leon, Vienna, Austria-Hungary. Film and producing same. No. 1,217,027; Feb. 20; v. 235; p. 980.
- Lilienfeld, Leon, Vienna, Austria-Hungary. Manufacture of artificial textile material and producing same. No. 1,217,028; Feb. 20; v. 235; p. 980.
- Lilienfeld, Leon, Vienna, Austria-Hungary. Artificial leather and composition used in the manufacture thereof. No. 1,217,123; Feb. 20; v. 235; p. 1014.
- Lilja, Andrew, Streator, Ill. Combined sack holder and weigher. No. 1,230,734; June 19; v. 239; p. 874.
- Lillegren, Ernest W., Medford, Oreg. Exercising device. No. 1,250,905; Dec. 18; v. 245; p. 793.
- Liljenroth, Frans G., Westerås, Sweden. Electric machine. No. 1,247,297; Nov. 20; v. 244; p. 705.
- Lilley, Agnes B., Los Angeles, Cal. Paper absorbent material for surgical and sanitary purposes. No. 1,225,833; May 15; v. 238; p. 686.
- Lillibridge, Curtis C., Hutchinson, Kans. Oil-burner. No. 1,243,194; Oct. 16; v. 243; p. 623.
- Lillibridge, Harry D., Zanesville, Ohio, assignor to American Encaustic Tiling Company, New York, N. Y. Affording protection to workmen during the operation of spraying ceramic and other articles. No. 1,223,809; Apr. 24; v. 237; p. 1086.
- Lillibridge, Harry D., Zanesville, Ohio, assignor to American Encaustic Tiling Company, New York, N. Y. Sanitary tile-spraying chamber. No. 1,223,810; Apr. 24; v. 237; p. 1087.
- Lillibridge, Harry D., Zanesville, Ohio, assignor to American Encaustic Tiling Company, New York, N. Y. Hand-operated tile-press. No. 1,238,415; Aug. 28; v. 241; p. 1031.
- Lillich, Frederick, Philadelphia, Pa. Fender. No. 1,222,877; Apr. 17; v. 237; p. 730.
- Lillich, Frederick, Philadelphia, Pa. Fender. No. 1,239,705; Sept. 11; v. 242; p. 343.
- Lillich, John L., Carbon Hill, Ala. Vehicle-wheel tire. No. 1,248,353; Nov. 27; v. 244; p. 1039.
- Lillie, Arthur C. (See Spencer and Lillie.)
- Lillie, Frederick, Arbutck, Cal. Poultry-roost. No. 1,245,159; Nov. 6; v. 244; p. 5.
- Lillie, Samuel M., Philadelphia, Pa. Employing heat for the production of power. No. 1,230,417; June 19; v. 239; p. 767.
- Lilliendahl-Petersen, Niels A. J. (See Næser and Lilliendahl-Petersen.)
- Lilly, Owen, Memphis, Tenn. Drying room and apparatus. No. 1,211,325; Jan. 2; v. 234; p. 325.
- Lilly, William J., Butte, Mont. Alarm for hoisting-engines. No. 1,239,409; Sept. 4; v. 242; p. 220.
- Lilly, William T., Glen, Morgan, assignor of one-fourth to H. M. Scott and one-fourth to C. H. Meador, Beckley, W. Va. Attachment for chairs. No. 1,239,018; Sept. 4; v. 242; p. 96.
- Lilpakka, Jaakko, New Castle, Pa. Weeder. No. 1,228,935; June 5; v. 239; p. 189.
- Limbacher, John E., St. Marys, Ohio. Oil-burner. No. 1,242,567; Oct. 9; v. 243; p. 390.
- Limoges, Alfred, North Bay, Ontario, Canada. Fly-gun. No. 1,237,346; Aug. 21; v. 241; p. 655.
- Limoncello, Joseph, Chicago, Ill. Knockdown crate. No. 1,225,665; May 8; v. 238; p. 586.
- Limpp, Rufus H., and U. Wineland, King City, Mo. Grease-cup. No. 1,227,543; May 22; v. 238; p. 1298.
- Linaker, Frederick W., Dubois, assignor to The Vulcan Soot Cleaner Co., of Pittsburg, Pa., Dubois, Pa. Soot-cleaner for water-tube boilers. No. 1,222,641; Apr. 17; v. 237; p. 648.
- Lincoln Electric Company, The. (See Homrighaus, Albert H., assignor.)
- Lincoln Electric Company, The. (See Lincoln, James F., assignor.)
- Lincoln Electric Company, The. (See Lincoln, John C., assignor.)
- Lincoln, Hugh B., Electra, Tex. Valve means for oil-well swivels. No. 1,217,467; Feb. 27; v. 235; p. 1176.
- Lincoln, James F., Cleveland, Ohio. Arc-welding apparatus. No. 1,224,307; May 1; v. 238; p. 69.
- Lincoln, James F., East Cleveland, assignor to The Lincoln Electric Company, Cleveland, Ohio. Electric switch. No. 1,234,678; July 24; v. 240; p. 1130.
- Lincoln, John C., Cleveland, Ohio. Electrode-holder. No. 1,217,468; Feb. 27; v. 235; p. 1176.
- Lincoln, John C., assignor to The Lincoln Electric Company, Cleveland, Ohio. Method of and means for transforming direct current. No. 1,227,809; May 29; v. 238; p. 1419.
- Lincoln, John C., assignor to The Lincoln Electric Company, Cleveland, Ohio. Method of and apparatus for producing sparkless commutation. No. 1,244,518; Oct. 30; v. 243; p. 1095.
- Lincoln, Paul M., Pittsburgh, Pa. Automobile-starter. No. 1,222,222; Apr. 10; v. 237; p. 459.
- Lincoln, Paul M., Pittsburgh, Pa. Timing device. No. 1,235,579; Aug. 7; v. 241; p. 17.
- Lincoln, Paul M., Pittsburgh, Pa. Ammeter. No. 1,248,511; Dec. 4; v. 245; p. 23.
- Lincoln, Paul M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric regulating system. No. 1,234,916; July 31; v. 240; p. 1239.
- Lincoln, Paul M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Insulator. No. 1,241,528; Oct. 2; v. 243; p. 18.
- Lind, August S., McKeesport, Pa. Apparatus for polishing rolling-mill rolls. No. 1,224,389; May 1; v. 238; p. 99.
- Lind, Carl A., Minneapolis, Minn. Sandpapering-machine. No. 1,241,407; Sept. 25; v. 242; p. 944.
- Lind, Henry L. (See Youngren and Lind.)
- Lind, Herman H., Lakewood, assignor to The Ohio Blower Company, Cleveland, Ohio. Ventilator. No. 1,222,554; Apr. 10; v. 237; p. 576.
- Lind, Herman P. T., Kew Gardens, England. Interlocking block. No. 1,224,757; May 1; v. 238; p. 228.
- Lind, James A., Providence, assignor of one-third to W. Q. Sampson and one-third to F. E. Horton, Cranston, R. I. Needle. No. 1,225,045; May 8; v. 238; p. 377.
- Lindberg, Johan W., Stockholm, Sweden. Self-locking door-lock. No. 1,244,872; Oct. 30; v. 243; p. 1202.

Alphabetical list of patentees—Continued.

- Lindberg, Minar, Rice Lake, Wis. Demountable-rim lock. No. 1,230,182; June 19; v. 239; p. 692.
- Lindblad, Corporation, The. (See Lindblad, Harmon E., assignor.)
- Lindblad, Harmon E., Brookline, Mass. Ruling-machine. No. 1,242,823; Oct. 9; v. 243; p. 471.
- Lindblad, Harmon E., Boston, Mass., assignor to The Lindblad Corporation. Ruling-machine. No. 1,220,350; Mar. 27; v. 236; p. 964.
- Lindblad, Harmon E., Boston, Mass., assignor to The Lindblad Corporation. Ruling-machine. No. 1,220,351; Mar. 27; v. 236; p. 955.
- Lindblad, Harmon E., Boston, Mass., assignor to The Lindblad Corporation. Tripping device for ruling-machines. No. 1,220,352; Mar. 27; v. 236; p. 965.
- Lindblad, Harmon E., Boston, Mass., assignor to The Lindblad Corporation. Delivery device. No. 1,220,353; Mar. 27; v. 236; p. 965.
- Lindberg, Charles E., Newark, N. J. Glass-polishing machine. No. 1,251,251; Dec. 25; v. 245; p. 944.
- Lindemann, Albert J., Milwaukee, Wis. Combination solid and liquid fuel range. No. 1,217,098; Feb. 20; v. 235; p. 1003.
- Lindemann, Frederick W., St. Paul, Minn. Automatic fire-alarm. No. 1,229,299; June 12; v. 239; p. 361.
- Lindemann, Henry C., Avoca, Minn. Exhaust-valve for combustion-engines. No. 1,235,344; July 31; v. 240; p. 1369.
- Lindemann, Max, East St. Louis, Ill. Brake for corn-determinators. No. 1,219,118; Mar. 13; v. 236; p. 466.
- Lindemann, Max, East St. Louis, Ill., assignor of one-half to E. J. Feiner, St. Louis, Mo. Corn-determinator. No. 1,219,117; Mar. 13; v. 236; p. 466.
- Lindemann, Rene, Kansas City, Mo. Printing-machine. No. 1,231,759; July 3; v. 240; p. 75.
- Lindemann, Walter C., assignor to A. J. Lindemann & Hoverson Co., Milwaukee, Wis. Burner-ld. No. 1,219,014; Mar. 13; v. 236; p. 431.
- Lindemann, Walter C., assignor to A. J. Lindemann & Hoverson Co., Milwaukee, Wis. Oil-stove burner. No. 1,231,394; June 26; v. 239; p. 1135.
- Lindemer, Charles, Trenton, N. J., assignor to The J. L. Mott Iron Works. Mixing-valve. No. 1,220,145; Mar. 20; v. 236; p. 856.
- Lindemuth, Lewis B. (See Carney and Lindemuth.)
- Lindenberg, Erich, Chicago, Ill. Tool. No. 1,230,494; June 19; v. 239; p. 794.
- Lindenberg, Frank H., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Rotary engine. No. 1,247,552; Nov. 20; v. 244; p. 777.
- Lindenberg, Theodore, Grandview Heights, Ohio. Carburetor. No. 1,232,699; July 10; v. 240; p. 418.
- Lindenberg, Gerhard, and W. B. Scott, Los Angeles, Cal. Process and apparatus for obtaining hydrocarbons from gases. No. 1,220,651; Mar. 27; v. 236; p. 1068.
- Lindenmuth, Raymond F., Danielsville, Pa. Zither-action. No. 1,237,918; Aug. 21; v. 241; p. 836.
- Lindenthal, Henry M., Chicago, Ill. Garment. No. 1,229,484; June 12; v. 239; p. 424.
- Lindfors, Paul B., Detroit, Mich. Adjustable tool-holder for milling-machines. No. 1,249,642; Dec. 11; v. 245; p. 381.
- Lindgren, Alexis C., Moline, Ill., assignor to International Harvester Corporation. Gearless drive. No. 1,237,666; Aug. 21; v. 241; p. 758.
- Lindgren, Fredrick J., New Haven, Conn. Garment-supporter. No. 1,223,989; Apr. 24; v. 237; p. 1146.
- Lindgren, Philip C., administrator. (See Stewart, John K.)
- Lindh, Hjalmar C., Anaconda, Mont. Screen. No. 1,248,686; Dec. 4; v. 245; p. 76.
- Lindheim, Irma L., New York, N. Y. Educational device. No. 1,245,475; Nov. 6; v. 244; p. 99.
- Lindholm, Jens S., Brooklyn, N. Y. Sidewalk-elevator door. No. 1,210,817; Jan. 2; v. 234; p. 151.
- Lindholm, Jens S., Brooklyn, N. Y. Sidewalk-elevator. No. 1,212,518; Jan. 16; v. 234; p. 803.
- Lindholm, Joel R. A. (See Burke and Lindholm.)
- Lindhorst, George H. W., Bellingham, Wash. Automobile-truck. No. 1,212,780; Jan. 16; v. 234; p. 898.
- Lindley, Thomas H., Cedar Rapids, Iowa, and H. Schreier, Sheboygan, Wis. Rotary engine. No. 1,220,244; Mar. 27; v. 236; p. 924.
- Lindmeier, Frederick and J., Oak Park, Ill. Radiator. No. 1,249,432; Dec. 11; v. 245; p. 320.
- Lindmeier, Justus. (See Lindmeier, Frederick and J.)
- Lindner, Arthur, assignor of one-half to F. D. Bethard, Richmond, Ind. Spindle-adjusting mechanism. No. 1,233,072; July 10; v. 240; p. 540.
- Lindner, Arthur, assignor of one-half to F. D. Bethard, Richmond, Ind. Feed-screw-adjusting mechanism. No. 1,239,193; Sept. 4; v. 242; p. 151.
- Lindner, Arthur, Richmond, Ind., assignor to The Ram Engineering Company, Columbus, Ohio. Switch-lock. No. 1,246,288; Nov. 13; v. 244; p. 372.
- Lindner, Joe, Sr., et al. (See Tautges, August, assignor.)
- Lindner, Joe, Jr. (See Tautges, August, assignor.)
- Lindner, Theodore. (See Baruch, Lindner, and Goldsmith.)
- Lindquist, Anton A., Garfield township, Clay county, Kans. Grave-vault. No. 1,212,519; Jan. 16; v. 234; p. 804.
- Lindquist, August, Sisseton, S. D. Feed-box. No. 1,239,116; Sept. 4; v. 242; p. 128.
- Lindquist, David L., and D. C. Larson, Yonkers, N. Y., assignors to Otis Elevator Company, Jersey City, N. J. Brake apparatus. No. 1,248,512; Dec. 4; v. 245; p. 24.
- Lindquist, Henry E., Boston, Mass. Cartridge-case for artillery-shells. No. 1,233,071; July 10; v. 240; p. 540.
- Lindquist, Olof L. (See Thorp, August, assignor.)
- Lindquist, Otto B., Tarentum, assignor to H. E. Sheldon, Pittsburgh, Pa. Corrugating apparatus. No. 1,211,460; Jan. 9; v. 234; p. 405.
- Lindsay Auto Parts Company. (See Lindsay, Thomas J., assignor.) (Reissue.)
- Lindsay, Cora L. (See Lindsay, Harvey B., assignor.)
- Lindsay, David, Ocean Grove, N. J. Feathering paddle-wheel or propeller. No. 1,246,289; Nov. 13; v. 244; p. 373.
- Lindsay, Harvey B., assignor to C. L. Lindsay, Oakland, Cal. Antidrip-spout. No. 1,236,955; Aug. 14; v. 241; p. 493.
- Lindsay, Joseph G., Bartlesville, Okla. Well-packing. No. 1,246,957; Nov. 20; v. 244; p. 608.
- Lindsay, Onofre, and O. Hidalgo, Valparaiso, Chile. Stamp. No. 1,220,863; Mar. 27; v. 236; p. 1141.
- Lindsay, Samuel D., Orlando, Fla. Concrete-block machine. No. 1,241,228; Sept. 25; v. 242; p. 888.
- Lindsay, Thomas J., Indianapolis, Ind. Twin wheel. No. 1,216,474; Feb. 20; v. 235; p. 791.
- Lindsay, Thomas J., Indianapolis, Ind., assignor to Lindsay Auto Parts Company. Worm-drive axle structure. (Reissue.) No. 14,398; Nov. 27; v. 244; p. 1062.
- Lindsay, Walter L., Chicago, Ill. Riveting-tool. No. 1,223,407; Apr. 24; v. 237; p. 941.
- Lindsay, William, Chicago, Ill. Agitator. No. 1,242,824; Oct. 9; v. 243; p. 471.
- Lindsay, William, assignor to L. Wolff Manufacturing Company, Chicago, Ill. Conveying apparatus. No. 1,232,700; July 10; v. 240; p. 418.
- Lindsay, William C., et al. (See Smith and Brandon, assignors.)
- Lindsay, William G., Caldwell, N. J. Producing flowable compounds of acetyl cellulose. No. 1,244,108; Oct. 23; v. 243; p. 933.
- Lindsay, William G., Caldwell, N. J. Making acetyl-cellulose plastics and solvents. No. 1,244,348; Oct. 23; v. 243; p. 1006.
- Lindsay, William G., Caldwell, N. J., assignor to The Celluloid Company, New York, N. Y. Making acetyl-cellulose plastics. No. 1,216,581; Feb. 20; v. 235; p. 830.
- Lindsay, William G., Caldwell, N. J., assignor to The Celluloid Company, New York, N. Y. Solvent for acetyl cellulose. No. 1,226,339; May 15; v. 238; p. 862.
- Lindsay, William G., Caldwell, N. J., assignor to The Celluloid Company, New York, N. Y. Solvent for acetyl cellulose. No. 1,226,340; May 15; v. 238; p. 862.
- Lindsay, William G., Caldwell, N. J., assignor to The Celluloid Company, New York, N. Y. Making acetyl-cellulose plastic compounds. No. 1,226,341; May 15; v. 238; p. 862.
- Lindsay, William G., Caldwell, N. J., assignor to The Celluloid Company, New York, N. Y. Making acetyl-cellulose plastic compounds. No. 1,226,342; May 15; v. 238; p. 862.
- Lindsay, William G., Caldwell, N. J., assignor to The Celluloid Company, New York, N. Y. Making acetyl-cellulose plastic compounds. No. 1,226,343; May 15; v. 238; p. 863.
- Lindsay, William G., Caldwell, N. J., assignor to The Celluloid Company, New York, N. Y. Making plastic compositions. No. 1,229,485; June 12; v. 239; p. 424.
- Lindsay, William G., Caldwell, N. J., assignor to The Celluloid Company, New York, N. Y. Making acetyl cellulose plastic compounds. No. 1,229,486; June 12; v. 239; p. 424.
- Lindsay, William G., Caldwell, N. J., assignor to The Cellulose Company, New York, N. Y. Solvent for acetyl cellulose and process. No. 1,229,487; June 12; v. 239; p. 424.
- Lindsay, William G., Caldwell, N. J., assignor to The Celluloid Company, New York, N. Y. Producing flowable compounds of acetyl cellulose. No. 1,244,107; Oct. 23; v. 243; p. 933.
- Lindsay, William G., Caldwell, N. J., assignor to The Celluloid Company, New York, N. Y. Making acetyl-cellulose plastics and solvents thereof. No. 1,244,347; Oct. 23; v. 243; p. 1005.
- Lindsay, William G., Caldwell, N. J., assignor to The Celluloid Company, New York, N. Y. Making solvents for acetyl-cellulose plastics. No. 1,244,349; Oct. 23; v. 243; p. 1006.
- Lindsay, William G., Newark, N. J., assignor to The Celluloid Company. Making pyroxylin compounds. No. 1,233,374; July 17; v. 240; p. 673.
- Lindsay, William G., Newark, N. J., assignor to The Celluloid Company. Acetyl-cellulose process and product. No. 1,236,579; Aug. 14; v. 241; p. 370.
- Lindsay, William G., Newark, N. J., assignor to The Celluloid Company. Non-inflammable cellulose compound and making the same. No. 1,245,476; Nov. 6; v. 244; p. 100.
- Lindsay, William G., New York, N. Y., assignor to The Celluloid Company. Acetyl cellulose and making the same. No. 1,236,578; Aug. 14; v. 241; p. 369.

- Lindsay, William H., Johnstone, Scotland. Self-lubricating bearing for shafts. No. 1,216,821; Feb. 20; v. 235; p. 911.
- Lindsey, Clinton, Salem, assignor of one-half to E. C. Waddington, Woodstown, N. J. Meat-cutter. No. 1,218,096; Mar. 6; v. 236; p. 72.
- Lindsey, Earl J., Somerset, Ind. Steering-arm. No. 1,218,424; Mar. 6; v. 236; p. 186.
- Lindsey, Joseph T., Leominster, Mass. Sanding-machine. No. 1,246,958; Nov. 20; v. 244; p. 608.
- Lindskoog, Milton E., Kiron, Iowa. Coil-spring seat for disks. No. 1,229,488; June 12; v. 239; p. 424.
- Lindsley, Edward A., Spokane, Wash. Apparatus for treating poles or other wooden articles. No. 1,223,890; Apr. 24; v. 237; p. 1114.
- Lindsten, Reuben C., Bertrand, Nebr. Grain-drill. No. 1,233,375; July 17; v. 240; p. 673.
- Lindstrom, August, Centerville, S. D. Harness-line holder. No. 1,244,350; Oct. 23; v. 243; p. 1006.
- Lindström, Carl, Berlin, Germany. Marking contrivance for roller-stamping machines. No. 1,230,495; June 19; v. 239; p. 795.
- Lindström, Carl F., Garrison, Kans. Rail-brace. No. 1,218,425; Mar. 6; v. 236; p. 186.
- Lindström, Charles A. (See Goehring and Lindström.)
- Lindström, Charles A., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Car construction. No. 1,230,183; June 19; v. 239; p. 692.
- Lindström, Gustaf H., assignor to Aktiebolaget Princeps, Gottenborg, Sweden. Platen printing-press and the like. No. 1,219,119; Mar. 13; v. 236; p. 466.
- Lindstrom, John T., Allentown, Pa. Steam-separator. No. 1,227,278; May 22; v. 238; p. 1213.
- Lindström, Karl A. (See Holmgren and Lindström.)
- Lindström, Knut I., Djursholm, assignor to Aktiebolaget Mjölkningssmaskin Omega, Flen, Sweden. Milk-vessel for milking-machines working with vacuum. No. 1,210,818; Jan. 2; v. 234; p. 151.
- Lindström, Nils, Nutley, and C. F. E. Olofson, Jersey City, N. J., assignors to A. B. See, Brooklyn, N. Y. Electric elevator-control system. No. 1,246,623; Nov. 13; v. 244; p. 475.
- Lindström, Ric'rd S., Detroit, Mich. Wrench. No. 1,223,706; Apr. 24; v. 237; p. 1049.
- Lindstrom, Smith Company. (See Endorf, Charles, Jr., assignor.)
- Line, George C., Dallas, Tex. Cotton-cleaner. No. 1,235,212; July 31; v. 240; p. 1329.
- Lineback, Alvah G., Falls City, assignor of one-fourth to J. R. Chambers, one-fourth to I. Davenport, and one-fourth to S. Lineback, Albany, Oreg. Arm-rest for crutches. No. 1,232,057; July 3; v. 240; p. 177.
- Lineback, Sarah, *et al.* (See Lineback, Alvah G., assignor.)
- Linebaugh, Jesse J., Schenectady, N. Y., assignor to General Electric Company. Control system for electric motors. No. 1,250,906; Dec. 18; v. 245; p. 794.
- Linehan, Joseph J., White Plains, N. Y. Sprinkler-head. No. 1,241,747; Oct. 2; v. 243; p. 89.
- Liner, Joseph I., Northvale, N. J., assignor to The Costimeter Company, Detroit, Mich. Means for calculating elapsed-time values. No. 1,245,604; Nov. 6; v. 244; p. 140.
- Lines, John, assignor to The Scovill Mfg. Co., Waterbury, Conn. Valve. No. 1,226,608; May 15; v. 238; p. 945.
- Linfoot, Benjamin E., Philadelphia, Pa. Bottle carrier and conveyor. No. 1,242,825; Oct. 9; v. 243; p. 472.
- Linfoot, Maurice, Bocking Brintree, assignor to Courtaulds Limited, London, England. Apparatus for treating artificial-silk and other threads. No. 1,229,101; June 5; v. 239; p. 244.
- Ling, Leroy V., Johnstown, Pa. Porch-swing hanger. No. 1,218,194; Mar. 6; v. 236; p. 106.
- Lingemann, John F., Detroit, Mich. Mounting-machine. No. 1,233,889; July 17; v. 240; p. 841.
- Link-Belt Company. (See Dodge, James M., assignor.)
- Link-Belt Company. (See Hayward, Henry E., assignor.)
- Link-Belt Company. (See Johnston, Arthur C., assignor.)
- Link-Belt Company. (See Pierce, Harold S., assignor.)
- Link-Belt Company. (See Piez, Charles, assignor.)
- Link-Belt Company. (See Pratt, Howell D., assignor.)
- Link-Belt Company. (See Valentine, Herbert S., assignor.)
- Link, Charles F., Frankenmuth, Mich. Trip sling-lock. No. 1,233,376; July 17; v. 240; p. 674.
- Link, Ernest G., assignor to C. Nostrand, College Point, N. Y. Adjustable pot-strainer. No. 1,214,800; Feb. 6; v. 235; p. 109.
- Link, Martin, Freeport, Ill. Plastic composition. No. 1,244,519; Oct. 30; v. 243; p. 1095.
- Linke, Carl, assignor to P. Wittkopf, New York, N. Y. Mustard-dispenser. No. 1,214,801; Feb. 6; v. 235; p. 110.
- Linker, Jay B., Charlotte, N. C. Automatic railway-crossing danger-signal. No. 1,215,670; Feb. 13; v. 235; p. 454.
- Linkiewicz, Leopold J., Brooklyn, N. Y. Vending-machine. No. 1,237,919; Aug. 21; v. 241; p. 837.
- Linn, Alexander M., *et al.* (See Morse, George O., assignor.)
- Linn, John A., Sioux City, Iowa. Combination-tool. No. 1,238,536; Aug. 28; v. 241; p. 1072.
- Linn, William J., Pittsburgh, Pa. Spark-plug. No. 1,247,975; Nov. 27; v. 244; p. 934.
- Linn, William T., Arkansas City, Kans. Grain-door. No. 1,229,985; June 12; v. 239; p. 588.
- Linograph Company, The. (See Petersen, Hans, assignor.)
- Linotype and Machinery Limited. (See Parker, Benson, and Lee, assignors.)
- Linotype and Machinery Limited. (See Parker and Shuttleworth, assignors.)
- Linotype and Machinery Limited. (See Pearce and Parker, assignor.)
- Linotype and Machinery Limited. (See Prichard and Wetherell, assignors.)
- Linguist, William. (See Corbett and Linguist.)
- Linse, Benjamin F., Seattle, Wash. Weeder. No. 1,226,980; May 22; v. 238; p. 1113.
- Lint, Peter H., Los Gatos, Cal. Fruit-gatherer. No. 1,222,878; Apr. 17; v. 237; p. 730.
- Linthicum, George, Annapolis, Md. Pipe-cleaner. No. 1,250,195; Dec. 18; v. 245; p. 582.
- Linthicum, Henri C., Durham, N. C. Seat-cover. No. 1,213,511; Jan. 23; v. 234; p. 1183.
- Linton, Ernest O., and F. J. Blum, Kenosha, Wis. Oil-gas producer and burner. No. 1,233,676; July 17; v. 240; p. 773.
- Linton, John P., Montreal, Quebec, Canada, assignor to Cutler Mail Chute Company, Rochester, N. Y. Mail-chute. No. 1,232,058; July 3; v. 240; p. 177.
- Linton, Morris, Moorestown, N. J., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Lever mechanism for operating throttle-valves. No. 1,222,429; Apr. 10; v. 237; p. 532.
- Linton, William J., Jersey City, N. J. Boiler. No. 1,214,195; Jan. 30; v. 234; p. 1446.
- Linvile, John W., and C. C. Tillman, assignors to Linville, Tillman & Co., Toledo, Ohio. Machine for peeling tomatoes. No. 1,241,529; Oct. 2; v. 243; p. 19.
- Linvile, Tillman & Co. (See Linville and Tillman, assignors.)
- Linway Company, The. (See Bauer, William J., assignor.)
- Lion, John C., St. Marys, Pa. Thermostatic regulator. No. 1,212,234; Jan. 16; v. 234; p. 702.
- Lion, John C., St. Marys, Pa. Shade-roller mounting. No. 1,215,671; Feb. 13; v. 235; p. 454.
- Lion Safety Pin Clutch Company. (See Levin, Milton, assignor.)
- Lipinski, John, Leavenworth, Kans. Lace-fastening device. No. 1,224,390; May 1; v. 238; p. 99.
- Lipman, Jacob G., New Brunswick, N. J. Producing citrate soluble phosphates. No. 1,222,112; Apr. 10; v. 237; p. 419.
- Lipman, Jacob G., New Brunswick, N. J. Fertilizer composition. No. 1,235,906; Aug. 7; v. 241; p. 123.
- Lipoti, Joseph, West New York, N. J. Garment-support. No. 1,237,347; Aug. 21; v. 241; p. 655.
- Lippert, Samuel, East Cleveland, Ohio. Rotary deep-well pump. No. 1,239,706; Sept. 11; v. 242; p. 344.
- Lippert, William. (See Richardson and Lippert.)
- Lippitt, Elihu, assignor to Grand Rapids Underwear Company, Grand Rapids, Mich. Pattern drum and chain for knitting-machines. No. 1,223,811; Apr. 24; v. 237; p. 1057.
- Lippitz, Wilhelm, assignor to Gebrüder Lesser, Posen, Germany. Potato-planter. No. 1,211,861; Jan. 9; v. 234; p. 545.
- Lippmann, Armin, Hoboken, N. J. Safety control for electrically-operated machines. No. 1,235,907; Aug. 7; v. 241; p. 124.
- Lipps, Emory J., Fountain Hill borough, Pa. Means for wrapping strands around each other. No. 1,216,147; Feb. 13; v. 235; p. 625.
- Lipps, Emory J., Fountain Hill borough, Pa. Thread-traverse means for winding-machines and the like. No. 1,240,352; Sept. 18; v. 242; p. 583.
- Lipps, Louis P., Cleveland, Ohio, assignor to himself as trustee. Street-car and similar vehicle. No. 1,223,186; Apr. 17; v. 237; p. 837.
- Lipps, Morris, New York, N. Y. Bed furniture. No. 1,247,429; Nov. 20; v. 244; p. 743.
- Lips, Jacob, Nieder-Urdorf, Switzerland. Gearing. No. 1,242,004; Oct. 2; v. 243; p. 171.
- Lipscomb, Arthur W. (See Dawkins and Lipscomb.)
- "Lipsia" Chemische Fabrik Aktien-Gesellschaft. (See Schmid, Karl, assignor.)
- Liptay, John M., Van Nest, assignor to The Kny Scheerer Corporation, New York, N. Y. Fastener for sterilizer-doors. No. 1,212,372; Jan. 16; v. 234; p. 752.
- Lisell, Ernest, Dalbo, Minn. Stovepipe-cleaner. No. 1,228,329; May 29; v. 238; p. 1591.
- Lisiskis, Joseph B., San Francisco, Cal. Foot-warmer. No. 1,250,330; Dec. 18; v. 245; p. 622.
- Lisonbee, James T., Fort Duchesne, Utah, assignor to M. C. Lisonbee, Mesa, Ariz. Tail-light and number-plate for motor-vehicles. No. 1,233,677; July 17; v. 240; p. 774.
- Lisonbee, M. C. (See Lisonbee, James T., assignor.)
- Lissauer, Adolph W., New York, N. Y. Nozzle. No. 1,216,146; Feb. 13; v. 235; p. 625.
- Lissauer, Adolph W., New York, N. Y. Nozzle. No. 1,223,081; Apr. 17; v. 237; p. 799.
- Lissauer, Adolph W., New York, N. Y. Compressible-fluid washer. No. 1,223,082; Apr. 17; v. 237; p. 799.
- Lissauer, Adolph W., New York, N. Y. Purifying and humidifying air. No. 1,245,247; Nov. 6; v. 244; p. 32.

Alphabetical list of patentees—Continued.

- List, Franz, Bronx, N. Y., assignor to C. A. Blades, Arlington, N. J. Paper box. No. 1,247,848; Nov. 27; v. 244; p. 898.
- List, Paul G. (See Flachslaender and List.)
- Lister, Arthur J., Bradford, England. Sock-suspender. No. 1,244,218; Oct. 23; v. 243; p. 967.
- Lister, Charles H., North St. Paul, Minn. Housing. No. 1,230,586; June 19; v. 239; p. 827.
- Lister, Charles H., North St. Paul, Minn. Casting-machine. No. 1,230,587; June 19; v. 239; p. 827.
- Lister, Charles H., North St. Paul, Minn. Mold for casting-machines. No. 1,240,229; Sept. 18; v. 242; p. 545.
- Lister, Frank O., Altoona, Pa. Floor-cleaning device. No. 1,240,742; Sept. 18; v. 242; p. 703.
- Lister, John T., Cleveland, Ohio. Flexible core for tire-strip-forming machines. No. 1,233,073; July 10; v. 240; p. 540.
- Lister, William, Nelson, England. Tension apparatus for yarn-winding frames and the like. No. 1,211,862; Jan. 9; v. 234; p. 545.
- Listiak, John, Youngstown, Ohio. Snap-hook. No. 1,223,812; Apr. 24; v. 237; p. 1087.
- Liston, Thomas. (See Vick, Frank H., assignor.)
- Litchfield, Albert W., Libertyville, Ill. Dispensing-container. No. 1,249,141; Dec. 4; v. 245; p. 205.
- Litchfield, Edgar C. and H. L., assignors to The Litchfield Manufacturing Company, Waterloo, Iowa. Dust-cap and wheel-holder. No. 1,228,035; May 29; v. 238; p. 1496.
- Litchfield, Henry L. (See Litchfield, Edgar C. and H. L.)
- Litchfield, Laura K., New York, N. Y. Garment. No. 1,229,986; June 12; v. 239; p. 588.
- Litchfield Manufacturing Company, The. (See Litchfield, Edgar C. and H. L., assignors.)
- Litchfield Shuttle Company. (See Cheney, George M., assignor.)
- Litchfield Shuttle Company. (See Coolidge, Roger E., assignor.)
- Litot, Francis E. J., Wilkesburg, Pa. Soldering compound. No. 1,224,941; May 8; v. 238; p. 343.
- Litot, George J., Atlantic City, N. J. Pot-chain. No. 1,246,959; Nov. 20; v. 244; p. 608.
- Littauer, Lucius N. (See Dahl, Harry J., assignor.)
- Littauer, Lucius N. (See Hughes, Robert R., Jr., assignor.)
- Littauer, Lucius N. (See Krug, Weis, and Robbins, assignors.)
- Littauer, Lucius N. (See Robbins, Willis C., assignor.)
- Littauer, Lucius N. (See Thomas, Frederick, assignor.)
- Littauer, Lucius N. (See Weis, Albert H., assignor.)
- Littauer, Lucius N. (See Weis, John P., assignor.)
- Littauer, Lucius N. (See Weis, John P. and A. H., assignors.)
- Littauer, Lucius N. (See Wiggins, Fred E., assignor.)
- Littge, Bertha E., Paonia, Colo. Window-screen. No. 1,225,979; May 15; v. 238; p. 736.
- Littig, Henry, et al. (See Willson, Mendal W., assignor.)
- Little, Alexander, Pittsburgh, Pa. Lamp shade or globe holder. No. 1,211,724; Jan. 9; v. 234; p. 493.
- Little, Charles H., East Cleveland, Ohio. Drafting material. No. 1,220,245; Mar. 27; v. 236; p. 925.
- Little, Clarence B., assignor to The Brownell Company, Dayton, Ohio. Automatic safety-stop for engines. No. 1,221,757; Apr. 3; v. 237; p. 262.
- Little, Frederick B., Indianapolis, Ind. Electric control apparatus for musical instruments. No. 1,239,609; Sept. 11; v. 242; p. 312.
- Little, Frederick B., assignor, by mesne assignments, to J. C. Deagan Musical Bells, Chicago, Ill. Switching mechanism. No. 1,216,238; Feb. 13; v. 235; p. 656.
- Little, Frederick B., assignor, by mesne assignments, to J. C. Deagan Musical Bells, Chicago, Ill. Electric switching mechanism. No. 1,228,222; May 29; v. 238; p. 1556.
- Little, Frederick B., assignor, by mesne assignments, to J. C. Deagan Musical Bells, Chicago, Ill. Electromechanical action for musical instruments. No. 1,228,223; May 29; v. 238; p. 1556.
- Little, Frederick B., assignor, by mesne assignments, to J. C. Deagan Musical Bells, Chicago, Ill. Electrical switching apparatus. No. 1,233,588; July 17; v. 240; p. 746.
- Little, Frederick B., assignor, by mesne assignments, to J. C. Deagan Musical Bells, Chicago, Ill. Vibrating mechanism. No. 1,240,351; Sept. 18; v. 242; p. 583.
- Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Metallic terminal for electrodes. No. 1,246,441; Nov. 13; v. 244; p. 419.
- Little, Henry O., Bridgewater, Mass. Automatic feeder for mills. No. 1,215,826; Feb. 13; v. 235; p. 508.
- Little, Henry O., Bridgewater, Mass. Automatic magnetic separator for mills. No. 1,217,613; Feb. 27; v. 235; p. 1230.
- Little, James A., Bismarck, N. D. Water-heater for gas or gasoline stoves. No. 1,225,834; May 15; v. 238; p. 686.
- Little, James R., Moline, assignor of one-half to G. W. Bland, Watertown, Ill. Message-transmitting device for railways. No. 1,243,535; Oct. 16; v. 243; p. 723.
- Little, John O. (See Meadwell, William E., assignor.)
- Little, Lillian A. (See Bowen, Philip A., assignor.)
- Little, Lucius F., assignor to The Anglo-American Mill Co., Owensboro, Ky. Roller-mill. No. 1,239,707; Sept. 11; v. 242; p. 344.
- Little, Lucius F., assignor to Anglo-American Mill Co., Owensboro, Ky. Flour-mill. No. 1,244,219; Oct. 23; v. 243; p. 967.
- Little, Philip E., and M. J. Rattelsdorfer, Coraopolis, Pa. Spring setting and tempering machine. No. 1,247,695; Nov. 27; v. 244; p. 852.
- Little, Thomas D., Dothan, Tex. Peanut-planter. No. 1,222,113; Apr. 10; v. 237; p. 419.
- Little, William G., Shoreham, England. Carbureter. No. 1,214,332; Jan. 30; v. 234; p. 1497.
- Little, William H. (See Dean and Little.)
- Littlefield, Augustine F., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-rounder pattern. No. 1,239,798; Sept. 11; v. 242; p. 372.
- Littlefield, Augustine F., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Welt-shoe-sewing machine. No. 1,243,195; Oct. 16; v. 243; p. 623.
- Littlefield, Daniel B., La Grange, Ill. Puzzle. No. 1,234,679; July 24; v. 240; p. 1131.
- Littlefield, Frank A., assignor to Nashua Machine Co., Nashua, N. H. Steam-trap. No. 1,218,603; Mar. 6; v. 236; p. 246.
- Littleford, George, Fort Thomas, Ky. Feeding mechanism. No. 1,229,987; June 12; v. 239; p. 589.
- Littlefield, George E., Providence, R. I., assignor to American Roll Gold Leaf Company. Machine for applying metallic leaf. No. 1,242,454; Oct. 9; v. 243; p. 353.
- Littlejohn, Frank P., Fresno, Cal. Stone-setting. No. 1,214,333; Jan. 30; v. 234; p. 1497.
- Littman, Ernest, assignor of one-half to H. M. Friedlander, New York, N. Y. Machine for making plaited paper. No. 1,233,377; July 17; v. 240; p. 674.
- Littman, Zeno, New York, N. Y., assignor to Ze-Litt Manufacturing Company. Tool-handle. No. 1,243,310; Oct. 16; v. 243; p. 657.
- Littmann, August, assignor to American Metal Products Company, Milwaukee, Wis. Valve. No. 1,250,601; Dec. 18; v. 245; p. 704.
- Litwin, Simon, Chicago, Ill. Pocket-lock. No. 1,216,582; Feb. 20; v. 235; p. 830.
- Live Leather Belt Company, The. (See Jacobs, Joseph, assignor.)
- Lively, Benjamin F., Lenoir City, Tenn. Buffing and draft gear. No. 1,220,652; Mar. 27; v. 236; p. 1068.
- Lively, Ellen W., Salisbury, N. H. Bake-pan. No. 1,232,939; July 10; v. 240; p. 498.
- Lively, Orin P., Portsmouth, Va. Telescopic mast. No. 1,212,968; Jan. 16; v. 234; p. 962.
- Liverson, Anna M., Seattle, Wash. Sanitary invalid-support. No. 1,218,876; Mar. 13; v. 236; p. 385.
- Livesay, Robert C. (See Raney and Livesay.)
- Livesay, Robert C. (See Raney, Benjamin, and Livesay.)
- Livesay, Robert C., assignor to Deere and Company, Moline, Ill. Securing and tightening bolt. No. 1,246,122; Nov. 15; v. 244; p. 322.
- Livesley, George D. (See Melhart, George G., assignor.)
- Livingston, Andrew W., Oakland, Cal. Roasting-furnace. No. 1,242,455; Oct. 9; v. 243; p. 353.
- Livingston, Charles G., et al. (See Redd, Charlie, assignor.)
- Livingston, D. McRa. (See Keegan, Francis W., assignor.)
- Livingston, D. McRa, New York, N. Y. Radiator attachment. No. 1,226,344; May 15; v. 238; p. 863.
- Livingston, D. McRa, New York, N. Y. Radiator. No. 1,239,495; Sept. 11; v. 242; p. 275.
- Livingston, D. McRa, New York, N. Y. Spring suspension means. No. 1,240,063; Sept. 11; v. 242; p. 453.
- Livingston, George, Philadelphia, Pa. Box. No. 1,224,391; May 1; v. 238; p. 99.
- Livingston, George D., Minneapolis, assignor to R. B. Whitacre, St. Paul, Minn. Liquid-weigher. No. 1,223,593; Apr. 24; v. 237; p. 1008.
- Livingston, Lloyd L. (See Poole, Jesse V., assignor.)
- Livingston, William, New York, N. Y., assignor to The Noesting Pin Ticket Company, Inc. Pin-ticket. No. 1,224,183; May 1; v. 238; p. 24.
- Livy, Ernest B., assignor to Wortendyke Manufacturing Co., Richmond, Va. Cable construction. No. 1,239,410; Sept. 4; v. 242; p. 220.
- Lizarraga, Francisco A., Corozal, British Honduras. Balling-valve. No. 1,241,408; Sept. 25; v. 242; p. 945.
- Lizarraga, Francisco A., Corozal, British Honduras. Projectile. No. 1,241,409; Sept. 25; v. 242; p. 945.
- Ljung, John, Alexandria, Minn. Device for converting motion. No. 1,236,325; Aug. 7; v. 241; p. 254.
- Ljungberg, Karl J., Stockholm, Sweden. Ball-bearing. No. 1,234,779; July 31; v. 240; p. 1196.
- Ljungström, Birger. (See Ljungström, Fredrik and B.)
- Ljungström, Birger, assignor to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden. Controlling electrically-propelled vessels. No. 1,242,357; Oct. 9; v. 243; p. 322.
- Ljungström, Birger, and A. D. Widström, Stockholm, Sweden; said Widström assignor to said Ljungström. Commutation device for direct-current machines and the like. No. 1,228,936; June 5; v. 239; p. 189.
- Ljungström, Fredrik, assignor to Aktiebolaget Ljung-

- ströms Ångturbin, (Manufacturers,) Liljeholmen, Stockholm, Sweden. Steam-turbine. (Reissue.) No. 1,435,55; Sept. 11; v. 242; p. 488.
- Ljunström, Fredrik and B., Finspong, Sweden, assignors to General Electric Company. Device for restricting axial movements of shafts. No. 1,224,882; May 1; v. 238; p. 271.
- Llewellyn, David F., Girardville, Pa. Engine. No. 1,242,826; Oct. 9; v. 243; p. 472.
- Llewellyn, Evan, Ystrad, Rhondda, Wales. Means for adjusting ventilating-closures. No. 1,219,120; Mar. 13; v. 236; p. 466.
- Llewellyn, Nelson, assignor of one-half to J. W. Solel, Cainesville, Mo. Acetylene miner's lamp. No. 1,238,032; Aug. 21; v. 241; p. 873.
- Llewellyn, Thomas W., and J. J. Doyle, assignors, by mesne assignments, to National Chemical Company, Syracuse, N. Y. Collar molding and finishing machine. No. 1,214,196; Jan. 30; v. 234; p. 1447.
- Lloyd, Albert J. (See Lewis, Henry, assignor.)
- Lloyd, Burt E., New York, N. Y. Talking doll. No. 1,229,102; June 5; v. 239; p. 244.
- Lloyd, Ernest J., et al. (See Barber, Guy M., assignor.)
- Lloyd, Fernando C., East Lynn, W. Va. Ironing-board. No. 1,244,520; Oct. 30; v. 243; p. 1095.
- Lloyd, George C., Goldenvalley, N. D. Playing-cards. No. 1,236,094; Aug. 7; v. 241; p. 182.
- Lloyd, Guy E. (See Cox, Lloyd, and Osborne.)
- Lloyd, John U., Cincinnati, Ohio. Alkaloidal compound. No. 1,250,381; Dec. 18; v. 245; p. 622.
- Lloyd, Lewis H., Bloomington, Ill. Mail-catching device. No. 1,229,103; June 5; v. 239; p. 245.
- Lloyd, Lewis H., Bloomington, Ill. Tire-protector. No. 1,229,104; June 5; v. 239; p. 245.
- Lloyd, Lewis H., Bloomington, Ill. Three-wheeled vehicle. No. 1,248,354; Nov. 27; v. 244; p. 1039.
- Lloyd, Llewellyn N., Bombay, India. Underframe for railway and other vehicles. No. 1,240,064; Sept. 11; v. 242; p. 453.
- Lloyd, Marshall B., Menominee, Mich. Producing woven read articles. No. 1,243,079; Oct. 16; v. 243; p. 589.
- Lloyd, Marshall B., Menominee, Mich. Producing woven read articles. No. 1,243,080; Oct. 16; v. 243; p. 590.
- Lloyd, Marshall B., Menominee, Mich. Producing woven read articles. No. 1,243,081; Oct. 16; v. 243; p. 590.
- Lloyd, Marshall B., Menominee, Mich. Producing woven read articles. No. 1,243,082; Oct. 16; v. 243; p. 590.
- Lloyd, Melvin M., Des Moines, Iowa. Packing-ring. No. 1,213,217; Jan. 23; v. 234; p. 1081.
- Lloyd, Nafew J., Butte, Mont. Automatic platen-turner for type-writers. No. 1,236,850; Aug. 14; v. 241; p. 459.
- Lloyd, Nafew J., Butte, Mont. Wrapping-machine. No. 1,239,019; Sept. 4; v. 242; p. 96.
- Lloyd, Nafew J., Butte, Mont. Carriage control for type-writers. No. 1,241,865; Oct. 2; v. 243; p. 126.
- Lloyd, Nelson V., Ralston, Wash. Drill-bit oiler. No. 1,238,537; Aug. 28; v. 241; p. 1072.
- Lloyd, Richard L., assignor to Dwight & Lloyd Metallurgical Company, New York, N. Y. Treating metalliferous ores. No. 1,215,672; Feb. 13; v. 235; p. 455.
- Lloyd, Richard P., Trenton, N. J. Shoe-protector. No. 1,224,655; May 1; v. 238; p. 192.
- Lloyd, Richard W., Verdale, Minn. Liquid-dispensing device. No. 1,229,105; June 5; v. 239; p. 245.
- Lloyd, Robert M., New York, N. Y., assignor, by mesne assignments, to General Vehicle Company, Inc. Freight-truck. No. 1,211,949; Jan. 9; v. 234; p. 577.
- Lloyd, Thomas R., assignor of one-third to C. Unmissig and one-third to W. J. Miller, Pittsburgh, Pa. Antiskid device. No. 1,249,433; Dec. 11; v. 245; p. 320.
- Lloyd, William H., Chicago, Ill. Fastening means for water-closets and the like. No. 1,217,965; Mar. 6; v. 236; p. 27.
- Lütski, Stanislaw. (See Mischansky, Stephen A., assignor.)
- Loadometer Company, The. (See Troll, Frederick J., assignor.)
- Lobb, George C., Winnebago, Minn. Tractor. No. 1,235,822; Aug. 7; v. 241; p. 96.
- Lobdell, Burr, Detroit, Mich. Gun-sight. No. 1,227,544; May 22; v. 238; p. 1299.
- Lobdell Car Wheel Company. (See Stuart, Joseph, assignor.)
- Lobdell, Edward J., Onaway, Mich. Combined saw and jointer. No. 1,213,512; Jan. 23; v. 234; p. 1184.
- Lobdell, Edward J., Onaway, Mich. Wheel-rim. No. 1,223,990; Apr. 24; v. 237; p. 1146.
- Lobdell, Edward J., Onaway, Mich. Steering-wheel. No. 1,236,455; Aug. 14; v. 241; p. 329.
- Lobdell, Wilbur S., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Barrel-lifter. No. 1,250,602; Dec. 18; v. 245; p. 704.
- Lobel, Leon, New York, N. Y. Arch-support. No. 1,229,300; June 12; v. 239; p. 361.
- Lobenhofer, Louis F., St. Louis, Mo. Extension-table. No. 1,232,578; July 10; v. 240; p. 378.
- Lock Joint Pipe Company. (See Hirsh and McLenon, assignors.)
- Lock-Tite Envelope Corporation, The. (See Jacobs, William H., assignor.)
- Lock, Vernie, Chanute, Kans. Resilient tire. No. 1,234,048; July 17; v. 240; p. 891.
- Locke, Fred M., Victor, N. Y. Insulator. No. 1,225,147; May 8; v. 238; p. 411.
- Locke, Fred M., Victor, N. Y. Insulator and composition material for insulating and other purposes. No. 1,226,088; May 15; v. 238; p. 775.
- Locke, Fred M., Victor, N. Y. Electrical insulator. No. 1,233,486; July 17; v. 240; p. 711.
- Locke, Harry M. (See Wescott and Locke.)
- Locke Insulator Mfg. Co., The. (See Osborne, David H., assignor.)
- Locke Insulator Mfg. Co., The. (See Peck, John M., assignor.)
- Locke, John, White Plains, N. Y. Changeable display-board. No. 1,221,758; Apr. 8; v. 237; p. 262.
- Locke, Nathan A., Fulton, N. Y. Instrument for comparing relative positions of centers. No. 1,232,701; July 10; v. 240; p. 419.
- Lockerby, Jacob S., Hoquiam, Wash. Vegetable or fruit cutter. No. 1,231,395; June 26; v. 239; p. 1135.
- Lockley, Harry W., New Castle, Pa. Broaching-press. No. 1,218,426; Mar. 6; v. 236; p. 187.
- Lockton, Frank B., New York, assignor to Dexter Folder Company, Pearl River, N. Y. Paper-feeding machine. No. 1,237,348; Aug. 21; v. 241; p. 656.
- Lockwood, Burns D., Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Railway-tie. No. 1,211,727; Jan. 9; v. 234; p. 494.
- Lockwood, Burns D., Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Car construction. No. 1,212,235; Jan. 16; v. 234; p. 702.
- Lockwood, Burns D., Bellevue, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Car-truck. No. 1,212,236; Jan. 16; v. 234; p. 702.
- Lockwood, Charles S., Newark, assignor to Hyatt Roller Bearing Company, Harrison, N. J. Double-thrust bearing. No. 1,226,545; May 15; v. 238; p. 863.
- Lockwood, Charles S., Newark, assignor to Hyatt Roller Bearing Division United Motors Corporation, Harrison, N. J. Cage for roller-bearings. No. 1,238,309; Aug. 28; v. 241; p. 998.
- Lockwood, George G., Bagley, Iowa. Clod-fender. No. 1,246,442; Nov. 13; v. 244; p. 419.
- Lockwood, Louis S., assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Organ swell-box. No. 1,225,666; May 8; v. 238; p. 587.
- Lockwood, Nelson A., Ogden, Utah. Driving-head for sugar apparatus and guard therefor. No. 1,232,343; July 3; v. 240; p. 269.
- Lockwood, Willard D., Philadelphia, Pa. Screed-strip. No. 1,247,554; Nov. 20; v. 244; p. 777.
- Lockwood, William W., Saskatoon, Saskatchewan, Canada. Hay-stacker. No. 1,243,746; Oct. 23; v. 243; p. 823.
- Locomotive Company of America, The. (See Riker, Andrew L., assignor.)
- Locomotive Company of America, The. (See Rosner, Adolph, assignor.)
- Locomotive Company of America, The. (See Schulz, Albert C., assignor.)
- Locomotive Company of America, The. (See Walter, Henry C., assignor.)
- Locomotive Pulverized Fuel Company. (See Caracristi, Virginius Z., assignor.)
- Locomotive Pulverized Fuel Company. (See Muhlfeld, John E., assignor.)
- Locomotive Stoker Company. (See Lower, Nathan M., assignor.)
- Locomotive Stoker Company. (See Ryan, Edward, assignor.)
- Locomotive Superheater Company. (See McKee, Neal T., assignor.)
- Locomotive Superheater Company. (See Miller and Barnes, assignors.)
- Locomotive Superheater Company. (See Oatley and McKee, assignors.)
- Locomotive Superheater Company. (See Ostermann, Rudolf M., assignor.)
- Loder, Howard W., Towaco, N. J. Adjustable egg-tray stop. No. 1,245,747; Nov. 6; v. 244; p. 182.
- Loder, John S., Reno, Nev. Liquid-fuel-combustion apparatus. No. 1,243,311; Oct. 16; v. 243; p. 658.
- Lodge, Edward N., Columbus, Ohio. Photograph-mount. No. 1,220,354; Mar. 27; v. 236; p. 966.
- Lodge, John D., and W. C. Pell, Bridgeport, W. Va.; said Pell assignor to said Lodge. Machine for making concrete blocks. No. 1,220,521; Mar. 27; v. 236; p. 1023.
- Lodl, Henry E., Mishicot, Wis. Wire-cutter for guns. No. 1,220,355; Mar. 27; v. 236; p. 966.
- Loe, Syver, Minneapolis, Minn. Register-actuating mechanism. No. 1,229,301; June 12; v. 239; p. 361.
- Loeb, Joseph H. (See Boudreaux, Hamilton J., assignor.)
- Loeb, Leopold, Newwid, Germany. Life-guard for motor-vehicles. No. 1,230,911; June 26; v. 239; p. 971.
- Loeb, Maurice, New York, N. Y., assignor to National Sanitary Service Company, Chicago, Ill. Apparatus for recovering fat. No. 1,237,068; Aug. 14; v. 241; p. 529.
- Loeb, Maurice, assignor to National Sanitary Service Company, Chicago, Ill. Separating fat. No. 1,237,069; Aug. 14; v. 241; p. 529.
- Loeb, Rudolf, Camden, N. J. Embroidering. No. 1,217,193; Feb. 27; v. 235; p. 1082.
- Loeb, Rudolf, Jenkintown, Pa. Embroidered seam. No. 1,222,775; Apr. 17; v. 237; p. 694.

Alphabetical list of patentees—Continued.

- Loeb, Rudolf, Jenkintown, Pa. Ornamental embroidery. No. 1,232,940; July 10; v. 240; p. 498.
- Loeb, Rudolf, Jenkintown, Pa. Ornamental embroidery. No. 1,232,941; July 10; v. 240; p. 498.
- Loeb, Rudolf, Jenkintown, Pa. Making embroidery ornamentation. No. 1,233,258; July 10; v. 240; p. 599.
- Loeb, Rudolf, Jenkintown, Pa. Making embroidery ornamentation. No. 1,233,259; July 10; v. 240; p. 599.
- Loeb, Rudolf, Jenkintown, Pa. Sewing-machine. No. 1,238,033; Aug. 21; v. 241; p. 873.
- Loebel, George E., West Allis, Wis. Adjustable window-scaffold. No. 1,210,819; Jan. 2; v. 234; p. 151.
- Loeblein & Deitzel. (See Loeblein, William P., assignor.)
- Loeblein, William P., Lakewood, Ohio, assignor to Loeblein & Deitzel. Chair. No. 1,239,279; Sept. 4; v. 242; p. 180.
- Loedige, Fred, Chicago, Ill. Grease-cup. No. 1,218,677; Mar. 13; v. 236; p. 310.
- Loeffler, Adolf, Brooklyn, assignor to J. Foehrenbach, Jamaica, N. Y. Railway-switch throw. No. 1,233,378; July 17; v. 240; p. 675.
- Loeffler, John F. (See Wilson, Harry L., assignor.)
- Loepsinger, Albert J., Cranston, R. I., assignor to General Fire Extinguisher Company, New York, N. Y. Apparatus for sealing glass bulbs. No. 1,225,980; May 15; v. 238; p. 736.
- Loepsinger, Albert J., Providence, R. I., assignor to General Fire Extinguisher Company, New York, N. Y. Sealing glass bulbs. No. 1,241,229; Sept. 25; v. 242; p. 888.
- Loepsinger, Albert J., Edgewood, assignor to General Fire Extinguisher Company, Providence, R. I. Test-plug. No. 1,250,603; Dec. 18; v. 245; p. 704.
- Loertscher, David, St. Gallen, Switzerland. Device for handling loaves of cheese. No. 1,221,341; Apr. 3; v. 237; p. 119.
- Loescher, George A. (See Wegner, Loescher, and Plowright.)
- Loeser, Edward G., Roxbury township, Dane county, assignor to Cantilever Airless Tire Co., Milwaukee, Wis. Metallic spring-actuated mechanism for rubber tires. No. 1,224,758; May 1; v. 238; p. 228.
- Loesser, William L., Comstock, Mich. Can-opener. No. 1,228,121; May 29; v. 238; p. 1525.
- Loetscher, Emil C., Dubuque, Iowa. Multiple refrigerating apparatus. No. 1,222,642; Apr. 17; v. 237; p. 648.
- Loetscher, Emil C., Dubuque, Iowa. Refrigerating apparatus. No. 1,223,813; Apr. 24; v. 237; p. 1088.
- Loetzer, Christian E., Sayre, Pa. Automatic carburation-valve. No. 1,242,706; Oct. 9; v. 243; p. 435.
- Loew, Charles H., Lakewood, Ohio. Pasteurizer. No. 1,215,561; Feb. 13; v. 235; p. 413.
- Loewen, Abraham L., Hillsboro, Kans. Blower. No. 1,237,212; Aug. 14; v. 241; p. 572.
- Loewenbach, Hugo. (See Downey, Richard F., assignor.)
- Loewenbach, Hugo, Milwaukee, Wis. Pin-setting mechanism. No. 1,239,280; Sept. 4; v. 242; p. 181.
- Loewenbach, Oscar, Milwaukee, Wis. Sheet-moistener. No. 1,249,434; Dec. 11; v. 245; p. 320.
- Loewenstein, Louis C., Lynn, Mass., assignor to General Electric Company. Elastic-fluid turbine. No. 1,240,743; Sept. 18; v. 242; p. 703.
- Loewenstein, Louis C., Lynn, Mass., assignor to General Electric Company. Elastic-fluid turbine. No. 1,242,005; Oct. 2; v. 243; p. 171.
- Loewenthal & Marcus. (See Wolf, William, assignor.)
- Loewer, Henry F., Rochester, N. Y. Attachment for shoelasts. No. 1,245,248; Nov. 6; v. 244; p. 32.
- Lofe, Charles F., Pittsburgh, Pa. Keg liner and cleat. No. 1,226,346; May 15; v. 238; p. 864.
- Loff, George, assignor of forty-five one-hundredths to F. E. Fluke, Garrett, Ind. Auto-tire. No. 1,220,653; Mar. 27; v. 236; p. 1068.
- Loffler, Edmund. (See De Lukácscevs, Charles, assignor.)
- Loffler, Edmund. (See De Lukácscevs and Wittal, assignors.)
- Lofgren, Everett E. (See Baumgartner, William A., assignor.)
- Lofland, Alfred H., Milton, Del. Tractor-wheel. No. 1,246,443; Nov. 13; v. 244; p. 419.
- Loflin, Eddie E., Foxworth, Miss. Automatic shell-tongs. No. 1,233,074; July 10; v. 240; p. 540.
- Loflin, Virginia H., Centerville, Md. Suit-rack. No. 1,249,643; Dec. 11; v. 245; p. 381.
- Lofquist, Olof J., Grand Rapids, Mich. Line appliance. No. 1,215,391; Feb. 13; v. 235; p. 351.
- Lofstrom, Gothard L., Rockford, Ill. Salt-shaker. No. 1,231,761; July 3; v. 240; p. 75.
- Lofstrom, Robert W., Worcester, Mass. Safety device for ladders. No. 1,243,844; Oct. 23; v. 243; p. 855.
- Lofton, Herbert M., Chattanooga, Tenn. Meter-box. No. 1,249,435; Dec. 11; v. 245; p. 321.
- Loftsgaarden, Albert T., Powell, Wyo. Door-closer. No. 1,223,408; Apr. 24; v. 237; p. 942.
- Loftsgaarden, Albert T., Powell, Wyo. Door-closer. No. 1,244,621; Oct. 30; v. 243; p. 1126.
- Loftus, Francis A., Philadelphia, Pa. Projecting apparatus. No. 1,224,392; May 1; v. 238; p. 100.
- Loftus, John P., Vancouver, British Columbia, Canada. Advertising device. No. 1,213,388; Jan. 23; v. 234; p. 1141.
- Logan, Cyrus F., Washington, D. C., assignor to Fiber Products Corporation. Fiber-treating machine. No. 1,238,310; Aug. 28; v. 241; p. 998.
- Logan, Cyrus F., Washington, D. C., assignor to Fiber Products Corporation. Fiber-treating machine. No. 1,249,788; Dec. 11; v. 245; p. 425.
- Logan, Edward A. (See Bement and Logan.)
- Logan, Ferdinand, Phoenixville, Pa. Steam and air mixer for gas-generators. No. 1,251,252; Dec. 25; v. 245; p. 945.
- Logan, Frederic H. (See Logan, Paul H., assignor.)
- Logan, John E., Kansas City, Mo. Shipping-crate. No. 1,231,178; June 26; v. 239; p. 1064.
- Logan, John E., Kansas City, Mo. Sighting instrument. No. 1,246,960; Nov. 20; v. 244; p. 608.
- Logan, John I., Chicago, Ill. Heating device for vaporizing and burning kerosene. No. 1,230,735; June 19; v. 239; p. 874.
- Logan, Joseph D., Darragh, Pa. Device for laying off shoes and wedges. No. 1,230,418; June 19; v. 239; p. 768.
- Logan, Paul H., assignor of one-half to F. H. Logan, El Paso, Tex. Cartridge-holder. No. 1,217,966; Mar. 6; v. 236; p. 27.
- Logan, Roy C., Texarkana, Ark. Combination tobacco and match box. No. 1,235,823; Aug. 7; v. 241; p. 96.
- Logan, W. H. (See Miller, Herman P., assignor.)
- Logan, William C., Loudsville, Ga. Tire-protector. No. 1,211,192; Jan. 2; v. 234; p. 279.
- Logan, William H., assignor to Dow Wire & Iron Works, Louisville, Ky. Revolving table. No. 1,224,475; May 1; v. 238; p. 130.
- Logan, William R., assignor of one-half to A. Behrsin, Los Angeles, Cal. Furnace-burner for liquid fuel. No. 1,248,875; Dec. 4; v. 245; p. 133.
- Logasa, Charles, Washington, D. C. Surveyor's rod. No. 1,248,513; Dec. 4; v. 245; p. 24.
- Logsdon, Frank W., Colfax, Iowa. Spread-roller. No. 1,212,520; Jan. 16; v. 234; p. 804.
- Logston, Com. (See Mills, Robert, assignor.)
- Logue, Charles H., Syracuse, N. Y. Differential gearing. No. 1,248,687; Dec. 4; v. 245; p. 76.
- Loguin, Alexander J., Norwood, Ohio, assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Time-element relay. No. 1,217,469; Feb. 27; v. 235; p. 1177.
- Loguin, Alexander J., Norwood, Ohio, assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Contact. No. 1,238,311; Aug. 28; v. 241; p. 999.
- Loguin, Alexander J., West Allis, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Switch. No. 1,229,489; June 12; v. 239; p. 424.
- Logwood, Charles V., assignor to De Forest Radio Telephone and Telegraph Company, New York, N. Y. System for transmitting communications. No. 1,218,195; Mar. 6; v. 236; p. 106.
- Lohman, Herman F., and J. Higham, Los Angeles, Cal.; said Lohman assignor to said Higham. Camp-stove. No. 1,250,907; Dec. 18; v. 245; p. 794.
- Lohmann, Hugo. (See Voigtländer and Lohmann.)
- Lohmiller, Peter F., Chicago, Ill. Sand-spreader. No. 1,247,298; Nov. 20; v. 244; p. 705.
- Lohnes, William M. (See Hodges and Lohnes.)
- Lohr, Fred W., New York, N. Y. Signaling apparatus. No. 1,244,873; Oct. 30; v. 243; p. 1202.
- Lohrens, Louis F., Chicago, Ill. Burglar-alarm lock. No. 1,214,695; Feb. 6; v. 235; p. 75.
- Lohrer, William, River Forest, Ill. Ribbon-reel. No. 1,227,460; May 22; v. 238; p. 1270.
- Lohse, Einar W. (See Thomas, Willis H., assignor.)
- Lohse, John C., Glen Ridge, N. J. Heat-insulating unit. No. 1,240,462; Sept. 18; v. 242; p. 618.
- Lohse, Wilhelm R., assignor of one-third to N. Koch, Milwaukee, and two-thirds to G. H. Crowns, Port Washington, Wis. Butterfly-valve. No. 1,213,513; Jan. 23; v. 234; p. 1184.
- Loiselle, Joseph, assignor of one-half to A. A. Ballachey, High River, Alberta, Canada. Harness-sewing machine. No. 1,232,344; July 3; v. 240; p. 269.
- Loizon, Georges D. (See D'Artoys and Loizon.)
- Loken, Carl K., Petersburg, N. D. Window-shade bracket and curtain-pole support. No. 1,236,724; Aug. 14; v. 241; p. 419.
- Lomanitz, Sebastian, Merida, Mexico, assignor of twenty-five one-hundredths to J. Joffe, New York, N. Y. Vegetable drying-oil. No. 1,244,521; Oct. 30; v. 243; p. 1095.
- Lomasney, John, Chicago, Ill. Assorting apparatus. No. 1,242,214; Oct. 9; v. 243; p. 277.
- Lomax, Harold A., Aspinwall, Pa. Casting rolls and the like. No. 1,242,827; Oct. 9; v. 243; p. 472.
- Lomax, John B., Philadelphia, Pa. Knitting-machine. No. 1,236,189; Aug. 7; v. 241; p. 213.
- Lombard, Alvin O., Waterville, Me. Tractor-truck. No. 1,234,355; July 24; v. 240; p. 1028.
- Lombard, De Otis. (See Gabriel and Lombard.)
- Lombardi, Francesco. (See Isobabella and Lombardi.)
- Lomen, Ralph. (See Heitman, John, assignor.)
- Londelius, Christian A., Jr., assignor to C. A. Londelius & Sons Co., Chicago, Ill. Builder's portable hot-water heater. No. 1,211,728; Jan. 9; v. 234; p. 494.
- Londelius, Christian A., Jr., assignor to C. A. Londelius & Sons Co., Chicago, Ill. Water and sand heater. No. 1,235,802; Aug. 7; v. 241; p. 89.

- London, James A., Elvins, Mo. Photographic camera. No. 1,215,290; Feb. 6; v. 235; p. 281.
- London, Oliver. (See Nelson and London.)
- London, William J. A., Hartford, Conn., assignor to The Westinghouse Machine Company. Elastic-fluid turbine. No. 1,223,342; Apr. 17; v. 237; p. 886.
- London, William J. A., and R. C. Allen, assignors to The Terry Steam Turbine Company, Hartford, Conn. Turbine. No. 1,229,490; June 12; v. 239; p. 425.
- Londress, George, and L. Rogers, Clarksburg, W. Va. Zinc-furnace. No. 1,213,922; Jan. 30; v. 234; p. 1354.
- Loneragan, Thomas, *et al.* (See Cabanne, Charles G., assignor.)
- Long, C. Clarence. (See Spangler, Charles H., assignor.)
- Long, Charles H., assignor of two-fifths to W. L. Maupin, Oklahoma, Okla. Berry-box. No. 1,217,029; Feb. 20; v. 235; p. 981.
- Long, Clarence W., and J. W. Stephens, Dallas, Tex. Wall construction. No. 1,232,942; July 10; v. 240; p. 499.
- Long, E. A. (See Long, Noah, assignor.)
- Long, Edgar M., Oak City, N. C. Rotary engine. No. 1,217,789; Feb. 27; v. 235; p. 1290.
- Long, Elmer C., Hannibal, Mo. Internal-combustion engine. No. 1,226,678; May 22; v. 238; p. 1008.
- Long, Emma W., St. Louis, Mo. Artist's tablet. No. 1,241,866; Oct. 2; v. 243; p. 126.
- Long, Eugene M., New York, N. Y. Device for catching rolling balls, to be used in the game of indoor golf-putting. No. 1,229,766; June 12; v. 239; p. 518.
- Long, Fred R., Catawissa, Pa. Forging-machine for making hollow bodies. No. 1,211,193; Jan. 2; v. 234; p. 280.
- Long, Frederick S., Calgary, Alberta, Canada. Card-index cabinet. No. 1,231,274; June 26; v. 239; p. 1095.
- Long, George F., Elmhurst, N. Y. Alarm signaling device. No. 1,242,957; Oct. 16; v. 243; p. 548.
- Long, George F., assignor to G. Piel, New York, N. Y. Automatic horn. No. 1,226,089; May 15; v. 238; p. 775.
- Long, George R., Waterbury, Conn. Spotlight. No. 1,236,456; Aug. 14; v. 241; p. 329.
- Long, George F., assignor to G. Piel, New York, N. Y. Automatic horn. No. 1,232,579; July 10; v. 240; p. 379.
- Long, George R., Waterbury, Conn., assignor, by mesne assignments, to Cordley and Hayes, New York, N. Y. Faucet. No. 1,238,926; Sept. 4; v. 242; p. 66.
- Long, Henry, assignor of one-half to G. A. Niemann, Venice, Ill. Locking-key for journal-bearings. No. 1,233,678; July 17; v. 240; p. 774.
- Long, Herbert J., New Brunswick, N. J. Water-heater. No. 1,214,559; Feb. 6; v. 235; p. 27.
- Long, Herbert J., assignor to The Long, Landreth, Schneider Co., New Brunswick, N. J. Thermostatic snap control. No. 1,231,527; June 26; v. 239; p. 1177.
- Long, Hubert A., Berkeley, Cal. Gear. No. 1,223,058; Apr. 17; v. 237; p. 791.
- Long, James F., San Francisco, Cal. Camping outfit. No. 1,240,353; Sept. 18; v. 242; p. 583.
- Long, Jerome S. (See Guie and Long.)
- Long, John C. F., and F. H. and C. F. Bunke, Lima, Ohio. Valve. No. 1,218,877; Mar. 13; v. 236; p. 385.
- Long, John E., Hot Springs, Mont. Switch for electric signs. No. 1,231,762; July 3; v. 240; p. 76.
- Long, John F., *et al.* (See Abbott, Alfred S., assignor.)
- Long, John R., Akron, Ohio. Bench vice. No. 1,218,788; Mar. 13; v. 236; p. 352.
- Long, John R., Orville, assignor of one-fourth to J. C. Gibson, Akron, Ohio. Shellac-jar. No. 1,211,461; Jan. 9; v. 234; p. 405.
- Long, John R., assignor of one-half to F. Grether, Akron, Ohio. Automatic swivel-bottom bench-vice. No. 1,246,961; Nov. 20; v. 244; p. 609.
- Long, L. Guy. (See Bailey, Barr, More, and Long.)
- Long, Landreth, Schneider Co., The. (See Long, Herbert J., assignor.)
- Long-Landreth-Schneider Co., The. (See Schneider, Frederick D., assignor.)
- Long, Louis M., Roxbury, Mass. Type-case. No. 1,243,083; Oct. 16; v. 243; p. 590.
- Long Manufacturing Company. (See Eligh, Charles A., assignor.)
- Long Manufacturing Company. (See Kaplan, Henry, assignor.)
- Long, Minnie A., Lake Charles, La. Folding crate. No. 1,240,463; Sept. 18; v. 242; p. 618.
- Long, Noah, assignor of one-half to E. A. Long, Baileys Mills, Ohio. Pelt-stretcher. No. 1,232,059; July 3; v. 240; p. 177.
- Long, Sarah B., Burley, Idaho. Basket-carrier. No. 1,217,030; Feb. 20; v. 235; p. 981.
- Long, Sidney L., assignor to Pence Mailing Machine Company, Minneapolis, Minn. Envelop-sealing machine. No. 1,223,499; Apr. 24; v. 237; p. 975.
- Long, Thomas A., Detroit, Mich. Liquid-carrying and level-indicating device. No. 1,242,215; Oct. 9; v. 243; p. 278.
- Long, Walter C., Loudonville, Ohio. Demountable rim. No. 1,237,349; Aug. 21; v. 241; p. 656.
- Longabaugh, Annah E., Metz, Mo. Poison-bottle indicator. No. 1,224,393; May 1; v. 238; p. 100.
- Longauer, Hubert, Lyndon Station, Wis. Exterminator. No. 1,239,799; Sept. 11; v. 242; p. 373.
- Longbrake, Russell H., Del Sur, Cal. Railway-crossing gate. No. 1,211,194; Jan. 2; v. 234; p. 280.
- Longenecker, Ernst A., Viola, Wis. Film-winding apparatus for motion-picture machines. No. 1,242,006; Oct. 2; v. 243; p. 171.
- Longfellow, H. Wadsworth. (See Plaisted, Jared H., assignor.)
- Longfellow, Martin W. (See Hunter and Longfellow.)
- Longhed, Arvid, Georgetown, Conn. Automatic train-stopping apparatus. No. 1,240,744; Sept. 18; v. 242; p. 704.
- Longley, Clifford B., Detroit, Mich. Pipe-covering. No. 1,251,393; Dec. 25; v. 245; p. 987.
- Longley, David, Bayfield, Wis. Traction bundle-loader. No. 1,248,514; Dec. 4; v. 245; p. 24.
- Longley, Ira G., Kit Carson, assignor of one-half to N. E. Mills, Loveland, Colo. Adjustable angle-defining gage. No. 1,222,959; Apr. 17; v. 237; p. 757.
- Longley, Lester A., Little Falls, Minn. Headlight for automobiles. No. 1,210,504; Jan. 2; v. 234; p. 44.
- Longoria, Antonio, assignor to The Sterling Corporation, Cleveland, Ohio. Water-heater. No. 1,217,967; Mar. 6; v. 236; p. 28.
- Longstreet, Alice G., Duluth, Minn. Ironing-board. No. 1,214,334; Jan. 30; v. 234; p. 1497.
- Longstreet, Charles R., *et al.* (See Aten, Merritt L., assignor.)
- Longwell, Ira G., Woodburn, Oreg. Stump-puller. No. 1,216,148; Feb. 13; v. 235; p. 625.
- Lonn, Edward J., assignor to Great Western Manufacturing Co., Laporte, Ind. Manufacturing seat-posts. No. 1,223,059; Apr. 17; v. 237; p. 791.
- Lonquet, Desire, Fairfield, Me. Sharpening device. No. 1,218,878; Mar. 13; v. 236; p. 385.
- Lonsdale, James A., Princeville, Ill. Draft-adjuster. No. 1,249,436; Dec. 11; v. 245; p. 321.
- Lonson, Albert, Callaway, Minn. Coin-box. No. 1,212,521; Jan. 16; v. 234; p. 804.
- Lonson, Albert, Callaway, Minn. Coin-box. No. 1,212,522; Jan. 16; v. 234; p. 805.
- Lookman, Samuel. (See Witt and Lookman.)
- Loomer, Henry M., Beverly, Mass. Threading die and holder. No. 1,212,970; Jan. 16; v. 234; p. 963.
- Loomer, Henry M., Beverly, Mass. Threading-die and holder. No. 1,212,971; Jan. 16; v. 234; p. 963.
- Loomer, Henry M., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Rotary cutter. No. 1,246,962; Nov. 20; v. 244; p. 609.
- Loomis, Alfred L., Tuxedo Park, N. Y. Toy. No. 1,222,005; Apr. 10; v. 237; p. 382.
- Loomis, Allen, assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,222,006; Apr. 10; v. 237; p. 382.
- Loomis, Allen, assignor to Packard Motor Car Company, Detroit, Mich. Speedometer driving mechanism. No. 1,226,784; May 22; v. 238; p. 1045.
- Loomis, Allen, assignor to Packard Motor Car Company, Detroit, Mich. Starting mechanism. No. 1,229,627; June 12; v. 239; p. 472.
- Loomis, Allen, assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,239,194; Sept. 4; v. 242; p. 151.
- Loomis, Allen, assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,247,299; Nov. 20; v. 244; p. 705.
- Loomis, Burdett, assignor to The Burdett Loomis Corporation, Hartford, Conn. Treating seeds and nuts for obtaining oil and other products. No. 1,244,995; Oct. 30; v. 243; p. 1239.
- Loomis, Cecil F. (See McFarland and Loomis.)
- Loomis, Charles A., Cincinnati, Ohio, assignor to Union Special Machine Company, Chicago, Ill. Folder. No. 1,216,475; Feb. 20; v. 235; p. 792.
- Loomis, Everts G., Newark, N. J. Pipe-joint. No. 1,236,457; Aug. 14; v. 241; p. 329.
- Loomis, Everts G., assignor to St. Mungo Manufacturing Company of America, Newark, N. J. Ball-winding machine. No. 1,242,885; Oct. 9; v. 243; p. 491.
- Loomis, Harry T., Brooklyn, assignor to Frank & Lambert, Inc., New York, N. Y. Garment-displaying device. No. 1,234,356; July 24; v. 240; p. 1029.
- Loomis, Henry F., Reading, Pa. Carriage for heavy field-artillery. No. 1,220,246; Mar. 27; v. 236; p. 925.
- Loomis, Henry F., Reading, Pa. Projectile. No. 1,247,430; Nov. 20; v. 244; p. 743.
- Loomis, Maynard, Orting, and P. M., assignors to W. Swartzbaugh, Puyallup, Wash. Gate. No. 1,219,750; Mar. 20; v. 236; p. 714.
- Loomis, Milton J. (See Davis and Loomis.)
- Loomis, Morris A., Gallion, Ala. Necktie stretcher and supporter. No. 1,226,544; May 15; v. 238; p. 926.
- Loomis, Paul M. (See Loomis, Maynard and P. M.)
- Loomis, Walter A., Los Angeles, Cal. Elevator signaling system. No. 1,231,033; June 26; v. 239; p. 1014.
- Looram, Matthew M., New York, N. Y. Receptacle. No. 1,213,116; Jan. 16; v. 234; p. 1013.
- Loos, Henry B., Narberth, Pa. Record-cabinet. No. 1,248,142; Nov. 27; v. 244; p. 979.
- Loose-Wiles Biscuit Company. (See Lawrence, Edward E., assignor.)
- López, Jesus M., C. Piedras Negras Coah, Mexico. Shock-absorber. No. 1,221,877; Apr. 10; v. 237; p. 337.
- Lopisich, Mateo, Sacramento, Cal. Automatic fish-hook. No. 1,238,159; Aug. 28; v. 241; p. 948.

Alphabetical list of patentees—Continued.

- Loprete, Michael, Newark, N. J. Gate. No. 1,231,763; July 3; v. 240; p. 76.
- Loptson, Asmundur, and G. H. Richardson, Bredenburg, Saskatchewan, Canada. Grain-stooker. No. 1,246,963; Nov. 20; v. 244; p. 609.
- Lorch, William J., Cornwall-on-the-Hudson, N. Y. Fire-hose clamp. No. 1,219,968; Mar. 20; v. 236; p. 790.
- Lorcher, Philip C., Huron, Ohio. Silo. No. 1,244,220; Oct. 23; v. 243; p. 967.
- Lord, Charles W., Providence, assignor to W. H. Cranston, Cranston, R. I. Snap-fastener. No. 1,235,213; July 31; v. 240; p. 1329.
- Lord, Chester R., Mineral City, Ohio. Hand-brake for railway-cars. No. 1,223,891; Apr. 24; v. 237; p. 1114.
- Lord, Edward R., Reading, Mass. Landing-steps. No. 1,215,827; Feb. 13; v. 235; p. 508.
- Lord, Frederick K., Bayonne, N. J. Internal-combustion engine. No. 1,237,350; Aug. 21; v. 241; p. 656.
- Lord, Frederick W., New York, N. Y. Anchorage for tennis-nets and the like. No. 1,239,924; Sept. 11; v. 242; p. 414.
- Lord, George W., Excelsior Springs, Mo. Foot-control accelerator for motor-cars. No. 1,216,708; Feb. 20; v. 235; p. 871.
- Lord, Harry G., Philadelphia, Pa. Torsional equalizer for transmission of power. No. 1,240,065; Sept. 11; v. 242; p. 453.
- Lord, Richard, Cedar Rapids, Iowa. Tank-heater. No. 1,216,583; Feb. 20; v. 235; p. 830.
- Lord, Richard, Cedar Rapids, Iowa. Tank-heater. No. 1,239,925; Sept. 11; v. 242; p. 414.
- Lorenc, Jan. (See Smyski and Lorenc.)
- Lorenc, Jan, Philadelphia, Pa. Ship-buffer. No. 1,250,604; Dec. 18; v. 245; p. 704.
- Lorentowicz, Leonard, Irvington, N. J. Composition for repairing scored cylinders. No. 1,239,195; Sept. 4; v. 242; p. 152.
- Lorentowicz, Leonard, Irvington, N. J. Method for the elimination of wasteful discarding or throwing aside of defective metal castings. No. 1,246,444; Nov. 13; v. 244; p. 420.
- Lorentzen, Edward C., Kendrick township, Greene county, Iowa. Bottle-vending machine. No. 1,224,942; May 8; v. 238; p. 343.
- Lorenz, Peter A. (See Adler, Bror A., assignor.)
- Lorenz, William, Brooklyn, assignor of one-half to E. Kreth, New York, N. Y. Safety-jack. No. 1,233,075; July 10; v. 240; p. 541.
- Lorenz, William A. (See Anderson, Nils H., assignor.)
- Lorenz, William A., Hartford, Conn. Coffee substitute. No. 1,230,184; June 19; v. 239; p. 693.
- Lorenzen, Edward B., Sandusky, and H. M. Artz, Mansfield, Ohio. Valve. No. 1,211,195; Jan. 2; v. 234; p. 281.
- Lorenzen, Frederick G., Battle Creek, Mich. Food product consisting of globules of starchy material and preparing the same. No. 1,211,462; Jan. 9; v. 234; p. 406.
- Lorf, Frank G., Casco township, St. Clair county, Mich. Plow-wheel. No. 1,230,308; June 19; v. 239; p. 733.
- Lorillard, Pierre, Tuxedo Park, N. Y. Conveyor. No. 1,215,945; Feb. 13; v. 235; p. 551.
- Lorsch, George H., Florence, Nebr. Corn-planter. No. 1,229,988; June 12; v. 239; p. 589.
- Lorscheider, Edward N., assignor to The Lorscheider-Schang Company, New York, N. Y. Toilet-case. No. 1,230,912; June 26; v. 239; p. 971.
- Lorscheider-Schang Company, The. (See Lorscheider, Edward N., assignor.)
- Lory, Charles A., Fort Collins, Colo. Integrating water-meter. No. 1,248,876; Dec. 4; v. 245; p. 133.
- Los Angeles Motor Car Company. (See Barker, John P., assignor.)
- Los Angeles Pressed Brick Company. (See Larson, Gustaf, assignor.)
- Losee, Joseph S., Hebron, Ill. Muffler cut-out. No. 1,227,461; May 22; v. 238; p. 1270.
- Losey, Arthur W., Dover, N. J. Plate-lifter. No. 1,224,308; May 1; v. 238; p. 69.
- Lossau, Louis von, Saarbrücken, Germany. Liquid-measurer. No. 1,211,794; Jan. 9; v. 234; p. 519.
- Lotsch, John L., trustee. (See Petit, Ademor N., assignor.)
- Lott, John H., et al. (See Thomas, Martin E., assignor.)
- Lott, Karl A., et al. (See Allinger, Frank A., assignor.)
- Lott, Truman R., Houston, Tex. Line-support. No. 1,220,654; Mar. 27; v. 236; p. 1069.
- Lotz, George L., Anacortes, Wash. Grease-cup. No. 1,249,142; Dec. 4; v. 245; p. 205.
- Lotz, Henry, assignor to The Lotz Protector and Salvage Company, Providence, R. I. Device for hoisting safes from sunken vessels. No. 1,236,956; Aug. 14; v. 241; p. 493.
- Lotz, Henry, assignor to The Lotz Protector and Salvage Company, Providence, R. I. Marking device for sunken vessels. No. 1,238,538; Aug. 28; v. 241; p. 1073.
- Lotz, James O., and J. L. Sanders, assignors of one-half to C. J. Sanders, Eunice, La. Staple. No. 1,217,968; Mar. 6; v. 236; p. 28.
- Lotz Protector and Salvage Company, The. (See Lotz, Henry, assignor.)
- Louche, Emile, Boulogne-sur-Mer, France. Gas-turbine. No. 1,250,196; Dec. 18; v. 245; p. 582.
- Louden, Thomas, Fairfield, Iowa. Sanitary drinking-bowl for stock. No. 1,227,279; May 22; v. 238; p. 1213.
- Louden, William, Fairfield, Iowa. Mold for manger-curbs. No. 1,228,937; June 5; v. 239; p. 190.
- Louden, William, Fairfield, Iowa. Apparatus for constructing concrete mangers. No. 1,234,944; July 31; v. 240; p. 1248.
- Louden, William, Fairfield, Iowa. Cattle-stall. No. 1,236,326; Aug. 7; v. 241; p. 255.
- Lough, Hector V., Plainfield, N. J. Internal-combustion engine. No. 1,211,950; Jan. 9; v. 234; p. 577.
- Lough, Hector V., North Plainfield, N. J. Bedstead corner-bracket. No. 1,213,218; Jan. 23; v. 234; p. 1081.
- Lough, Hector V., North Plainfield, N. J., assignor to Goldberg Display Fixtures, New York, N. Y. Display-fixture. No. 1,251,062; Dec. 25; v. 245; p. 890.
- Lough, Hector V., North Plainfield, N. J., assignor to Goldberg Display Fixtures, New York, N. Y. Spacer for wings or panels of display-fixtures. No. 1,251,253; Dec. 25; v. 245; p. 945.
- Lough, Hector V., North Plainfield, N. J., assignor to Universal Fixture Corporation, New York, N. Y. Swinging panel for display-fixtures. No. 1,251,254; Dec. 25; v. 245; p. 945.
- Lough, Hector V., North Plainfield, N. J., assignor to Universal Fixture Corporation, New York, N. Y. Display-fixture. No. 1,251,255; Dec. 25; v. 245; p. 946.
- Loughhead, Malcolm, Santa Barbara, Cal. Braking apparatus. No. 1,249,143; Dec. 4; v. 245; p. 206.
- Loughhead, Oscar L., Racine, Wis. Vacuum feed device. No. 1,213,117; Jan. 16; v. 234; p. 1014.
- Loughridge, Clyde H. and H. R., Pittsburgh, Pa. Pipe-cutter's work-bench. No. 1,225,981; May 15; v. 238; p. 736.
- Loughridge, Clyde H. and H. R., Pittsburgh, Pa. Outlet-box. No. 1,228,330; May 29; v. 238; p. 1591.
- Loughridge, Clyde H. and H. R., Pittsburgh, Pa. Pipe-coupling. No. 1,242,568; Oct. 9; v. 243; p. 390.
- Loughridge, Clyde H. and H. R., Pittsburgh, Pa. Pipe-cutter. No. 1,244,874; Oct. 30; v. 243; p. 1203.
- Loughridge, Howard R. (See Loughridge, Clyde H. and H. R.)
- Loughridge, Matthew H. (See Tuttle and Loughridge.)
- Loughridge, Matthew H., New York, N. Y. Railway signal system and apparatus. No. 1,215,173; Feb. 6; v. 235; p. 240.
- Loughridge, Matthew H., Bogota, N. J. Railway-traffic-controlling system and apparatus. No. 1,242,456; Oct. 9; v. 243; p. 354.
- Loughridge, Matthew H., Bogota, N. J. Electric circuit. No. 1,242,457; Oct. 9; v. 243; p. 354.
- Loughridge, Matthew H., Teaneck, and R. P. Tuttle, Mountainview, N. J. Semaphore-signal blade. No. 1,242,899; Oct. 9; v. 243; p. 495.
- Louis Bossert & Sons. (See Bossert, Charles V., assignor.)
- Louisiana Biological Products. (See Couret, Maurice J., assignor.)
- Louisiana Nut and Produce Company. (See Williams, Dick B., assignor.)
- Lounsberry, Rowe E., assignor to Mid-Continent Machinery Company, Sheridan, Wyo. Amalgamator. No. 1,211,729; Jan. 9; v. 234; p. 495.
- Lounsbury, Harvey J., Austin, Ill., assignor to W. H. Miner, Chazy, N. Y. High-capacity spring-gear. No. 1,251,063; Dec. 25; v. 245; p. 890.
- Loupe, Albert, Brest, France, assignor to El. Maurer, Dunellen, N. J. Breastplate and protector. No. 1,250,197; Dec. 18; v. 245; p. 583.
- Loupret, Lionel H. N., Lowell, Mass. Magneto. No. 1,231,919; July 3; v. 240; p. 128.
- Louque, Nisida, et al. (See Fuchic, Emile E., assignor.)
- Loury, William J., Pittsburgh, Pa. Carbureter-support. No. 1,234,482; July 24; v. 240; p. 1070.
- Louth, Maurice E., and J. Jackson, assignors to The Globe Stove & Range Company, Kokomo, Ind. Electric hot-plate or heat unit. No. 1,238,792; Sept. 4; v. 242; p. 22.
- Louth, Maurice E., and J. Jackson, assignors to The Globe Stove & Range Company, Kokomo, Ind. Electric heat-storage heating unit. No. 1,238,793; Sept. 4; v. 242; p. 23.
- Louthan, Arthur C., Arcola, Ill. Torpedo-guard and mine-catcher. No. 1,232,060; July 3; v. 240; p. 177.
- Louthan, Charlie O., Kansas City, Kans. Signaling device. No. 1,223,060; Apr. 17; v. 237; p. 792.
- Louvet, Desire V. (See Esby and Louvet.)
- Lovan, Alphonso B., et al. (See Norman, Frank, assignor.)
- Lovdall, George F., assignor to Uni-Motion Door Handle Company, Chicago, Ill. Door-catch-operating mechanism. No. 1,218,789; Mar. 13; v. 236; p. 352.
- Love, Aubrey. (See Kelly, Hugh W., assignor.)
- Love, Charles L., Meshoppen, Pa. Minnow bucket and trap. No. 1,231,034; June 26; v. 239; p. 1015.
- Love, George H., Pueblo, Colo. Tooth-brush. No. 1,212,873; Jan. 16; v. 234; p. 753.
- Love, Lee K., St. Louis, Mo. Range-cover. No. 1,240,745; Sept. 18; v. 242; p. 704.
- Lovece, Nicola, San Antonio, Tex. Sanitary cuspidor. No. 1,215,673; Feb. 13; v. 235; p. 455.
- Lovece, Nicola, San Antonio, Tex. Latch mechanism for spittoon-covers. No. 1,234,186; July 24; v. 240; p. 973.

- Lovegrove, Edwin J., and N. G. Crompton, deceased, London, England; E. G. Crompton, executrix, assignor to said Lovegrove. Paving material. No. 1,237,920; Aug. 21; v. 241; p. 837.
- Lovegrove, Edwin J., and N. G. Crompton, deceased, London, England; E. G. Crompton, executrix, assignor to said Lovegrove. Bituminous grouting. No. 1,237,921; Aug. 21; v. 241; p. 837.
- Lovegrove, Francis A., Halifax, Nova Scotia, Canada. Pipe threading and cutting machine. No. 1,244,996; Oct. 30; v. 243; p. 1239.
- Lovejoy, Frank W., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic film. No. 1,213,514; Jan. 23; v. 234; p. 1185.
- Lovejoy, Frank W., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic film. No. 1,232,702; July 10; v. 240; p. 419.
- Lovejoy, Fred P., Springfield, Vt. Metal-working tool. No. 1,222,643; Apr. 17; v. 237; p. 649.
- Lovejoy, Fred P., Springfield, Vt. Metal-working tool. No. 1,242,707; Oct. 9; v. 243; p. 435.
- Lovejoy, Fred P., Springfield, Vt. Metal-working tool. No. 1,242,708; Oct. 9; v. 243; p. 435.
- Lovejoy, John F., New Rochelle, assignor of one-half to A. Stein, New York, N. Y. Briquetting-machine. No. 1,221,878; Apr. 10; v. 237; p. 337.
- Lovekin, Luther D. (See Fulweiler, John E., assignor.)
- Lovekin, Luther D., Philadelphia, Pa. Thermostatic gas-valve mechanism. No. 1,221,197; Apr. 3; v. 237; p. 69.
- Lovekin, Luther D., Philadelphia, Pa. Heat-interchanging apparatus. No. 1,235,908; Aug. 7; v. 241; p. 124.
- Lovekin, Raymond E., Philadelphia, Pa. Protective device for fluid-heaters. No. 1,248,143; Nov. 27; v. 244; p. 980.
- Loveland, Harry P., Sedalia, Mo. Spring-grip book or lesson marker. No. 1,245,936; Nov. 6; v. 244; p. 240.
- Loveland, John W., assignor of one-half to F. C. Koehnle, Lincoln, Ill. Gate. No. 1,235,345; July 31; v. 240; p. 1369.
- Loveless, Alfred J., Lenox, Mass. Reversible tag. No. 1,242,007; Oct. 2; v. 243; p. 172.
- Lovell, Adelbert C., McComb, Ohio. Plow. No. 1,241,530; Oct. 2; v. 243; p. 19.
- Lovell, Anne G., *et al.* (See Lovell, John Q., assignor.)
- Lovell, Carl, Osceola, Iowa. Shoe-shining apparatus. No. 1,216,239; Feb. 13; v. 235; p. 657.
- Lovell, Edwin S. L. (See Banks, Anderson, and Lovell.)
- Lovell, John Q., Baltimore, Md., assignor of one-third to W. S. Lovell, Birmingham, Ala., and one-third to A. G. Lovell, Baltimore county, Md. Heating system for use in automatic-garages. No. 1,234,049; July 17; v. 240; p. 892.
- Lovell-McConnell Manufacturing Company. (See McConnell, Duncan A., assignor.)
- Lovell-McConnell Manufacturing Company. (See Monnot, John F., assignor.)
- Lovell-McConnell Manufacturing Company. (See Proctor, George A., assignor.)
- Lovell, Sidney, Chicago, Ill. Mausoleum construction. No. 1,244,109; Oct. 23; v. 243; p. 934.
- Lovell, William S., *et al.* (See Lovell, John Q., assignor.)
- Loveridge, Frederick H. (See McQuarrie and Loveridge.)
- Lovin, Frank J., Mahanomen, Minn. Article-holder. No. 1,211,463; Jan. 9; v. 234; p. 406.
- Lovsted, Carl M. (See McBride, James P., assignor.)
- Low, Archibald M., London, England. Two-stroke internal-combustion engine. No. 1,229,989; June 12; v. 239; p. 589.
- Low, Archibald M., London, England. Stoppering means for bottles and like receptacles. No. 1,232,061; July 3; v. 240; p. 178.
- Low, Everett M., Brooklyn, N. Y. Apparatus for producing rules on linotype-slugs. No. 1,236,957; Aug. 14; v. 241; p. 494.
- Low, Frank. (See Gebhart, John C., assignor.)
- Low, Frank S., Buffalo, N. Y. Hardening resins and products thereof. No. 1,243,312; Oct. 16; v. 243; p. 658.
- Low, Lewis S. (See Apps and Low.)
- Low, Theodore H., New Haven, Conn. Bottle-opener. No. 1,214,802; Feb. 6; v. 235; p. 110.
- Löw, Wilhelm, Heidelberg, Germany, assignor to Schott & Gen., Jena, Germany. Manufacture of thermo elements. No. 1,232,062; July 3; v. 240; p. 178.
- Lowary, Ralph C., assignor to The Beaver Company, Buffalo, N. Y. Wall-board. No. 1,214,803; Feb. 6; v. 235; p. 110.
- Lowd, Wesley H., Glen Frazier, Cal. Pocket. No. 1,234,780; July 31; v. 240; p. 1196.
- Lowe, Charles W., Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric cable. No. 1,246,964; Nov. 20; v. 244; p. 610.
- Lowe, Ella H., Tarrytown, N. Y. Cover for cooking-pots. No. 1,230,419; June 19; v. 239; p. 768.
- Lowe, Euclid J., Balboa, Canal Zone. Propeller. No. 1,217,790; Feb. 27; v. 235; p. 1290.
- Lowe, Eugene F., Decavan, N. Y. Rail chair and joint. No. 1,215,946; Feb. 13; v. 235; p. 552.
- Lowe, Eugene H., Modesto, Cal. Fuse-puller. No. 1,247,555; Nov. 20; v. 244; p. 777.
- Lowe, Frederick, Cambridge, Mass. Demountable rim. No. 1,216,240; Feb. 13; v. 235; p. 657.
- Lowe, Harry F., and P. Brockett, Washington, D. C. Paper receptacle. No. 1,233,802; July 17; v. 240; p. 813.
- Lowe, Harry L., assignor to Clinton Switch Company, Clinton, Ind. Car-coupling. No. 1,240,066; Sept. 11; v. 242; p. 454.
- Lowe, Harry L., assignor to Clinton Switch Company, Clinton, Ind. Insulator and cut-out switch. No. 1,240,067; Sept. 11; v. 242; p. 454.
- Lowe, Henry L., Indianapolis, Ind. Engine. No. 1,225,259; May 8; v. 238; p. 447.
- Lowe, James D., Fort Worth, Tex. Electric bath apparatus. No. 1,217,321; Feb. 27; v. 235; p. 1125.
- Lowe, John M., Butler, Ind. Automobile-jack. No. 1,249,437; Dec. 11; v. 245; p. 321.
- Lowe, John, and J. J. Lyth, Valleyfield, Quebec, Canada. Method of and apparatus for straightening weft-threads. No. 1,222,776; Apr. 17; v. 237; p. 694.
- Lowe, Robert E., Brooklyn, N. Y. Garment. No. 1,222,777; Apr. 17; v. 237; p. 695.
- Lowe, Thomas M. (See Browning and Lowe.)
- Lowe, William A. J., assignor of one-half to G. W. Overstreet, Bristol, Tenn. Laundry-container. No. 1,217,031; Feb. 20; v. 235; p. 981.
- Lowe, William A. J., assignor of one-half to G. W. Overstreet, Bristol, Tenn. Basket. No. 1,219,969; Mar. 20; v. 236; p. 791.
- Lowe, William B., Babylon, N. Y. Rotary-valve internal-combustion engine. No. 1,218,427; Mar. 6; v. 236; p. 187.
- Lowe, William T., Sr., Nashville, Tenn. Lever-actuated power-transmission gearing. No. 1,214,804; Feb. 6; v. 235; p. 110.
- Lowenstein, Fritz. (See Rothen, Oscar F., assignor.)
- Lowenstein, Fritz, New York, N. Y. Telephone-relay. No. 1,231,764; July 3; v. 240; p. 76.
- Lowenstein, Fritz, Brooklyn, N. Y. Systematic classification and indexing of motion-picture films. No. 1,233,076; July 10; v. 240; p. 541.
- Lowenstein, Karl, Kleingemünd, near Neckargemünd, Germany. Converting steam heat of a liquid into motive force. No. 1,219,970; Mar. 20; v. 236; p. 791.
- Lowenstein, Louis, and S. Robbins, New York, N. Y. Hand-bag and like article. No. 1,220,761; Mar. 27; v. 236; p. 1104.
- Lower, Nathan M., Schenectady, N. Y. Locomotive-tender. No. 1,219,334; Mar. 13; v. 236; p. 539.
- Lower, Nathan M., Schenectady, N. Y. Locomotive-tender. No. 1,223,594; Apr. 24; v. 237; p. 1008.
- Lower, Nathan M., Jarrettsville, Pa., assignor to Locomotive Stoker Company, Schenectady, N. Y. Locomotive-stoker. No. 1,222,430; Apr. 10; v. 237; p. 533.
- Lower, Nathan M., Schenectady, N. Y., assignor to Locomotive Stoker Company, Pittsburgh, Pa. Locomotive-tender. No. 1,228,574; June 5; v. 239; p. 68.
- Lower, Nathan M., assignor to Locomotive Stoker Company, Pittsburgh, Pa. Locomotive-tender. No. 1,240,861; Sept. 25; v. 242; p. 774.
- Lower, William W., Tyrone, Pa. Pressure indicator and valve. No. 1,213,515; Jan. 23; v. 234; p. 1185.
- Lowery, Dolph L., Sandusky, Ohio. Rotary electric brush. No. 1,247,849; Nov. 27; v. 244; p. 899.
- Lowes Manufacturing Co. (See Sherman, Charles W., assignor.)
- Lowrey, Clyde W. (See Moon, William D., assignor.)
- Lowrey, Frederick C. (See Schroder, Edward J., assignor.)
- Lowrey, William T., Jr., Blue Mountain, Miss. Anti-slipping attachment for wheels. No. 1,250,908; Dec. 18; v. 245; p. 795.
- Lowrey, William T., Jr., Blue Mountain, Miss. Demountable vehicle-wheel rim. No. 1,250,909; Dec. 18; v. 245; p. 795.
- Lowrie, Amelia, executrix. (See Lowrie, John, assignor.)
- Lowrie, John, deceased, Cleveland, Ohio; A. Lowrie, executrix. Baling-press. No. 1,229,628; June 12; v. 239; p. 473.
- Lowry, Claud A., *et al.* (See Bretz, George W., assignor.)
- Lowry, Emma, Sacramento, Cal. Abdominal support. No. 1,245,602; Nov. 6; v. 244; p. 140.
- Lowry, Hiter H., Chicago, Ill., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-switchboard. No. 1,231,629; July 3; v. 240; p. 30.
- Lowry, Jefferson R., Memphis, Tenn. Lifting-jack. No. 1,250,910; Dec. 18; v. 245; p. 795.
- Lowry, Reginald N., Mount Lebanon, Pa. Power lifting-machine. No. 1,239,020; Sept. 4; v. 242; p. 97.
- Lowther, Walter C., East Molesey, England. Apparatus for playing games. No. 1,216,333; Feb. 20; v. 235; p. 740.
- Lowy, Arthur. (See Ludlum and Lowy.)
- Lowy, Arthur, Newark, N. J., assignor to National Bush Company. Machine for setting bung-bushings. No. 1,234,680; July 24; v. 240; p. 1131.
- Lowy, Emil M. (See Anglada, Joseph A., assignor.)
- Lowy, Morris, New York, N. Y. Bed-spring. No. 1,214,560; Feb. 6; v. 235; p. 27.
- Lowy, Morris, New York, N. Y. Bed-spring. No. 1,214,805; Feb. 6; v. 235; p. 111.
- Lowy, Morris, New York, N. Y. Folding crib or bed. No. 1,216,709; Feb. 20; v. 235; p. 872.

Alphabetical list of patentees—Continued.

- Lowy, Morris, New York, N. Y. Folding cot. No. 1,246,123; Nov. 13; v. 244; p. 323.
- Lowy, Morris, New York, N. Y. Folding cot. No. 1,246,290; Nov. 13; v. 244; p. 373.
- Lowy, Morris, and A. J. Kreuzkamp, New York, assignors to Englander Spring Bed Co., Brooklyn, N. Y. Folding crib. No. 1,230,736; June 19; v. 239; p. 875.
- Lowy Patent Corporation. (See Layman, Ralph E., assignor.)
- Loxterman, Howard B., Pittsburgh, assignor to Blaw Steel Construction Company, Hoboken, Pa. Tunnel-mold form. No. 1,212,523; Jan. 16; v. 234; p. 805.
- Loxterman, Howard B., Pittsburgh, assignor to Blaw Steel Construction Company, Hoboken, Pa. Mold-form. No. 1,227,280; May 22; v. 238; p. 1213.
- Loxterman, Howard B., Pittsburgh, assignor to Blaw Steel Construction Company, Hoboken, Pa. Tunnel-form. No. 1,227,281; May 22; v. 238; p. 1213.
- Loxterman, Howard B., Pittsburgh, assignor to Blaw Steel Construction Company, Hoboken, Pa. Tunnel mold-form. No. 1,228,454; June 5; v. 239; p. 27.
- Loxterman, Howard B., Pittsburgh, assignor to Blaw Steel Construction Company, Hoboken, Pa. Telescopic concrete tunnel and shaft mold-form. No. 1,228,455; June 5; v. 239; p. 27.
- Loxterman, Howard B., Pittsburgh, assignor to Blaw Steel Construction Company, Hoboken, Pa. Tunnel-mold. No. 1,234,357; July 24; v. 240; p. 1029.
- Loxterman, Howard B., Pittsburgh, assignor to Blaw Steel Construction Company, Hoboken, Pa. Culvert-mold. No. 1,245,477; Nov. 6; v. 244; p. 100.
- Loy, Ernest H. (See Ford, Loy, and Heeter.)
- Loyd, Clarence E., Los Angeles, Cal. Automatic drilling-machine. No. 1,243,616; Oct. 16; v. 243; p. 748.
- Loyd, Spencer O., Modesto, Ill. Burial-casket. No. 1,219,751; Mar. 20; v. 236; p. 714.
- Loyer, Joseph C. and O. M., Detroit, Mich. Composition shingle. (Reissue.) No. 14,387; Oct. 30; v. 243; p. 1288.
- Loyer, Oliver M. (See Loyer, Joseph C. and O. M.) (Reissue.)
- Loyland, Betsie K. H., Thief River Falls, Minn. Shoefastener. No. 1,239,610; Sept. 11; v. 242; p. 312.
- Lozier, Lewis E., New York, N. Y. Hoisting-hook. No. 1,234,781; July 31; v. 240; p. 1197.
- Lubarsky, Harry C., Philadelphia, Pa. Method and means for dyeing fur skins. No. 1,225,447; May 8; v. 238; p. 515.
- Lubbe, Charles, and L. H. Free, San Francisco, Cal. Demountable rim. No. 1,243,313; Oct. 16; v. 243; p. 658.
- Lubberger, Fritz, assignor to Automatic Electric Company, Chicago, Ill. Automatic party-line telephone system. No. 1,242,458; Oct. 9; v. 243; p. 354.
- Lubberger, Fritz, assignor to Automatic Electric Company, Chicago, Ill. Telephone trunking system. No. 1,243,747; Oct. 23; v. 243; p. 823.
- Lubbert, John H. (See Wessell, George B., assignor.)
- Lucas, Alzamon I., Seattle, Wash. Collapsible baby-bed. No. 1,211,730; Jan. 9; v. 234; p. 495.
- Lucas, Charles T., Cimarron, Kans. Apron. No. 1,212,524; Jan. 16; v. 234; p. 805.
- Lucas, Earl, Anderson, Iowa. Flue-stop. No. 1,245,359; Nov. 6; v. 244; p. 65.
- Lucas, Edward W., Ealing, England, assignor to H. P. Denison, Syracuse, N. Y. Method of treating waste soapy liquor from laundries. No. 1,245,605; Nov. 6; v. 244; p. 141.
- Lucas, Ignatius, Passaic, N. J. Delimeing wool, hair, or like substances contaminated with lime. No. 1,235,214; July 31; v. 240; p. 1329.
- Lucas, John, and G. Schliffka, Pittsburgh, Pa. Jarring-machine. No. 1,234,050; July 17; v. 240; p. 892.
- Lucas, John A., Allison, Pa. Valve. No. 1,237,922; Aug. 21; v. 241; p. 837.
- Lucas, Louis, Jamestown, N. Y. Pine-incense and making same. No. 1,216,710; Feb. 20; v. 235; p. 873.
- Lucas, William A. (See Dye and Lucas.)
- Lucas, William E., Lyonsville, Cal. Safety-hook. No. 1,235,346; July 31; v. 240; p. 1369.
- Luce, Byron P. (See Scherr and Luce.)
- Luce, Daniel H., and B. S. Janes, Harbor Creek township, Erie county, Pa. Gathering and cutting device. No. 1,212,972; Jan. 16; v. 234; p. 964.
- Luce, Moses, Ellington, near Sinclairville, N. Y. Vehicle-brake. No. 1,212,781; Jan. 16; v. 234; p. 898.
- Luce, Thomas C., Stratford, assignor to Pratt & Cady Company, Incorporated, Hartford, Conn. Valve attachment. No. 1,240,230; Sept. 18; v. 242; p. 546.
- Luce, William D., Haverhill, Mass. Spark-plug tester. No. 1,248,877; Dec. 4; v. 245; p. 133.
- Luce, Wilson A., et al. (See Cole, Samuel S., assignor.)
- Lucero, Manuel E. (See Lefebvre, Henry, assignor.)
- Luchs, Frederick M. (See Morris and Luchs.)
- Luchs, Frederick M., and A. Ruckstahl, Wilkinsburg, Pa., assignors to Ruckstahl and Luchs. Recording mechanism. No. 1,247,850; Nov. 27; v. 244; p. 899.
- Luciano, Achille, Silver Lake, N. J. Combined talking and picture-projecting machine. No. 1,239,800; Sept. 11; v. 242; p. 373.
- Luck, Charles E., Jamaica, N. Y. Cuff-button. No. 1,246,124; Nov. 13; v. 244; p. 323.
- Luck, George A., Cambridge, Mass. Calipers. No. 1,225,835; May 15; v. 238; p. 686.
- Lück, Jacob W., Brooklyn, assignor to Oscar Heyman & Company, New York, N. Y. Corking-machine. No. 1,230,420; June 19; v. 239; p. 769.
- Luckenbaugh, George W., Bradford, Ohio. End-gate. No. 1,244,351; Oct. 23; v. 243; p. 1006.
- Lucker, William A., St. Paul, Minn. Stopping mechanism for phonographs. No. 1,244,806; Feb. 6; v. 235; p. 111.
- Luckiesh, Matt, Cleveland, Ohio, assignor to General Electric Company. No-glare device. No. 1,227,462; May 22; v. 238; p. 1271.
- Lucore, George F., Arriba, Colo. Conveyor-belt. No. 1,212,651; Jan. 16; v. 234; p. 852.
- Lucy, Ira, Long Pine, Nebr. Foldable crate. No. 1,226,227; May 15; v. 238; p. 820.
- Ludat, Theodor. (See Bibb and Ludat.)
- Ludeman, Edwin H., New York, N. Y. Flexible shaft-coupling. No. 1,246,445; Nov. 13; v. 244; p. 420.
- Ludeman, Edwin H., New York, N. Y. Steam-heated piston. No. 1,249,789; Dec. 11; v. 245; p. 425.
- Luden, William H., Reading, Pa. Counting and packaging mechanism. No. 1,237,351; Aug. 21; v. 241; p. 657.
- Lüders, Richard, Steglitz, assignor to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. 1-iodo-2,3-dihydroxypropane and making same. No. 1,230,185; June 19; v. 239; p. 693.
- Ludescher, Engelbert, Chicago, Ill. Portable electric lamp. No. 1,248,688; Dec. 4; v. 245; p. 77.
- Ludlow, Israel, New York, N. Y. Submarine-trap. No. 1,249,144; Dec. 4; v. 245; p. 206.
- Ludlow, Margery E. N., Haverford, Pa. Wind-shield attachment. No. 1,215,174; Feb. 6; v. 235; p. 240.
- Ludlow Typograph Company, The. (See Heddy, Arthur H., assignor.)
- Ludlow Typograph Company, The. (See Reade, William A., assignor.)
- Ludlow Typograph Company. (See Reade and Metcalf, assignors.)
- Ludlum, Albert C., New York, N. Y., assignor to National Bush Company. Bushing for bungs. No. 1,226,090; May 15; v. 238; p. 775.
- Ludlum, Albert C., New York, N. Y., and A. Lowy, Newark, N. J., assignors to National Bush Company. Apparatus for setting bung-bushings. No. 1,244,997; Oct. 30; v. 243; p. 1240.
- Ludolph, Geo. R. (See Troja, Louis F., assignor.)
- Ludowici-Celadon Company. (See Nelson, Lewis C., assignor.)
- Ludwig and Company. (See Perry, Lycus D., assignor.)
- Ludwig Hupfeld Aktiengesellschaft. (See Hennig, Gustav K., assignor.)
- Luebeck, Fred W., Knox, Ind., assignor to Dadant & Sons, Hamilton, Ill. Electric-wire embedder. No. 1,233,890; July 17; v. 240; p. 841.
- Lueck, Frank R., et al. (See Sorensen, Peter S., assignor.)
- Luedke, Gustav P., Chatham, Ill. Condenser for smelter-fumes. No. 1,229,629; June 12; v. 239; p. 473.
- Lueky, Erving A. (See Clark and Lueky.)
- Luellen, Lawrence W. (See Dawson, Cecil F., assignor.)
- Luellen, Lawrence W., Newton, Mass. Vending-machine. No. 1,210,501; Jan. 2; v. 234; p. 43.
- Luer, Herman, Alton, Ill. Washing-machine. No. 1,210,959; Jan. 2; v. 234; p. 201.
- Luer, Herman, Alton, Ill. Meat-cutting machine. No. 1,239,926; Sept. 11; v. 242; p. 414.
- Luery, Michael, assignor to Model Form Company, Chicago, Ill. Adjustable model dress-form. No. 1,221,550; Apr. 3; v. 237; p. 193.
- Luery, Michael, T. S. Lewis, and B. S. Nelson, assignors to Model Form Company, Chicago, Ill. Adjustable connecting device for dress-forms. No. 1,221,549; Apr. 3; v. 237; p. 193.
- Lueters, William G. (See Heinkel and Lueters.)
- Lufkin Rule Company, The. (See Saxton, Edmund L., assignor.) (Reissue.)
- Luftschiffbau Zeppelin G. m. b. H. (See Dornier, Claude, assignor.)
- Luis, Harry G., assignor of forty-nine one-hundredths to C. Hendricks, San Quentin, Cal. Combined mandolin and guitar. No. 1,241,639; Oct. 2; v. 243; p. 56.
- Luitwieler, Samuel W., Rochester, N. Y. Pump-piston. No. 1,214,696; Feb. 6; v. 235; p. 76.
- Lukacher, Leon, Detroit, Mich. Game-table. No. 1,225,260; May 8; v. 238; p. 448.
- Lukacs, Ludwig, Budapest, Austria-Hungary. Manufacture of artificial-stone plates. No. 1,210,820; Jan. 2; v. 234; p. 151.
- Lukacs, Michael, New York, N. Y., assignor of one-half to D. Glück, New Brunswick, N. J. Device for attaching ties. No. 1,242,216; Oct. 9; v. 243; p. 278.
- Lukaszewski, Stanislaw J., Detroit, Mich. Heater. No. 1,220,655; Mar. 27; v. 236; p. 1069.
- Lukaszewski, Stanislaw J., Detroit, Mich. Heater. No. 1,249,644; Dec. 11; v. 245; p. 381.
- Luke, Charles E., Irwin, Pa. Carton. No. 1,234,483; July 24; v. 240; p. 1070.
- Luke, Willis W., M. A. Russell, L. R. Kennedy, and C. E. Anderson, assignors of one-fourth to said Anderson, one-fourth to said Luke, one-fourth to said Kennedy, and one-fourth to J. P. Foreman, Fairfield, Iowa. Drinking-fountain. No. 1,228,224; May 29; v. 238; p. 1557.

- Lukens, Clarence D., assignor to C. Dewitt Lukens Surgical Manufacturing Company, St. Louis, Mo. Holder for surgical sutures. No. 1,234,051; July 17; v. 240; p. 892.
- Lukens, William L. (See Madden and Lukens.)
- Luker, Luther V., Crystal Falls, Tex. Rail-joint. No. Lull, Frederick H., Patchogue, N. Y., and E. C. Wanner, San Francisco, Cal. Condenser. No. 1,243,536; Oct. 16; v. 243; p. 723.
- Lum, Walter O., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Motor-control system. No. 1,227,810; May 29; v. 238; p. 1419.
- Lum, Walter O., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of distribution. No. 1,236,725; Aug. 14; v. 241; p. 419.
- Lum, Walter O., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Motor-control system. No. 1,236,726; Aug. 14; v. 241; p. 419.
- Lumb, George F., Harrisburg, Pa. Burglar-alarm. No. 1,213,389; Jan. 23; v. 234; p. 1142.
- Lumiere, Louis, Lyons, France, assignor to Victor Talking Machine Company, Camden, N. J. Talking-machine. No. 1,246,763; Nov. 13; v. 244; p. 514.
- Lumley, Wilfrid, Conneaut, Ohio. Corrugated stock or board. No. 1,240,231; Sept. 18; v. 242; p. 546.
- Lumley, Wilfrid, Conneaut, Ohio, assignor to General Electric Company. Lighting-fixture. No. 1,230,737; June 19; v. 239; p. 875.
- Lummis, Charles W., and G. H. Isley, assignors to Morgan Construction Company, Worcester, Mass. Gas-producer. No. 1,251,064; Dec. 25; v. 245; p. 890.
- Lummus Cotton Gin Company. (See Grimes, Thaddeus S., assignor.)
- Lumms, Walter E., Lynn, Mass. Method of and apparatus for fractional distillation. No. 1,216,334; Feb. 20; v. 235; p. 741.
- Lumms, Walter E., Lynn, Mass. Column for distillation and the like. No. 1,226,898; May 22; v. 238; p. 1082.
- Lumsden, John O., Seattle, Wash. Yeast substitute. No. 1,226,347; May 15; v. 238; p. 864.
- Lumsden, Thomas, Gateshead, England. Tool-holder for grinding-machines. No. 1,231,920; July 3; v. 240; p. 129.
- Lundahl, John A., Charlotte (Rochester), N. Y. Orange-holder. No. 1,246,624; Nov. 13; v. 244; p. 475.
- Lundberg, Carl E., Spokane, Wash. Calendar. No. 1,214,935; Feb. 6; v. 235; p. 159.
- Lundberg, Endfred, assignor to The Otto Higel Co., Limited, Toronto, Ontario, Canada. Tension-governor for piano-players. No. 1,244,875; Oct. 30; v. 243; p. 1203.
- Lundberg, Endfred, Toronto, Ontario, Canada, assignor of one-half to Otto Higel Company, Inc., Buffalo, and one-half to G. P. Brand, New York, N. Y. Dust-remover for tracking devices. No. 1,212,652; Jan. 16; v. 234; p. 853.
- Lundberg, Georg H., Gottenborg, Sweden. Manufacture of house-building briquets. No. 1,231,921; July 3; v. 240; p. 129.
- Lundberg, Gustave E., Kewanee, Ill. Rim-tool for automobile-rims. No. 1,214,807; Feb. 6; v. 235; p. 111.
- Lundberg, Jacob O. Torp Brug, pr. Fredrikstad, Norway. Apparatus for heating liquid. No. 1,215,041; Feb. 6; v. 235; p. 198.
- Lundblad, Sven, Seward, Alaska. Combination-bed. No. 1,211,196; Jan. 2; v. 234; p. 281.
- Lundell, Alben E. (See Adams and Lundell.)
- Lundell, Alben E. (See Reeves and Lundell.)
- Lundell, Alben E., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Point-finder system. No. 1,210,505; Jan. 2; v. 234; p. 44.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Semi-automatic telephone system. No. 1,221,879; Apr. 10; v. 237; p. 338.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Message-register circuits. No. 1,222,311; Apr. 10; v. 237; p. 489.
- Lundell, Alben E., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone system. No. 1,222,879; Apr. 17; v. 237; p. 731.
- Lundell, Alben E., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Automatic telephone-exchange system. No. 1,230,421; June 19; v. 239; p. 769.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,231,922; July 3; v. 240; p. 129.
- Lundell, Alben E., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Semi-automatic telephone system. No. 1,232,345; July 3; v. 240; p. 270.
- Lundell, Alben E., New York, N. Y., assignor, by mesne assignments, to Western Electric Company. Selective controlling system. No. 1,232,580; July 10; v. 240; p. 379.
- Lundell, Alben E., New York, N. Y., assignor to Western Electric Company. Substation telephone set. No. 1,232,581; July 10; v. 240; p. 379.
- Lundell, Alben E., New York, N. Y., assignor to Western Electric Company. Automatic telephone system. No. 1,232,582; July 10; v. 240; p. 380.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,232,943; July 10; v. 240; p. 499.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone signaling system. No. 1,232,944; July 10; v. 240; p. 500.
- Lundell, Alben E., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Automatic telephone system. No. 1,233,891; July 17; v. 240; p. 842.
- Lundell, Alben E., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Semi-automatic telephone system. No. 1,233,892; July 17; v. 240; p. 842.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,233,893; July 17; v. 240; p. 843.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,233,894; July 17; v. 240; p. 843.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,234,187; July 24; v. 240; p. 973.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,235,705; Aug. 7; v. 241; p. 55.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,237,531; Aug. 21; v. 241; p. 714.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. No. 1,238,160; Aug. 28; v. 241; p. 948.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Controlling system. No. 1,238,161; Aug. 28; v. 241; p. 948.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,242,008; Oct. 2; v. 243; p. 172.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Impulse control system. No. 1,242,009; Oct. 2; v. 243; p. 172.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,242,010; Oct. 2; v. 243; p. 173.
- Lundell, Alben E., assignor to Western Electric Company, New York, N. Y. Telephone metering system. No. 1,243,314; Oct. 16; v. 243; p. 658.
- Lundell, Alben E., New York, N. Y., assignor, by mesne assignments, to Western Electric Company. Selective signaling system. No. 1,244,998; Oct. 30; v. 243; p. 1240.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,244,999; Oct. 30; v. 243; p. 1240.
- Lundell, Alben E., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,245,478; Nov. 6; v. 244; p. 100.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,245,748; Nov. 6; v. 244; p. 183.
- Lundell, Alben E., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Automatic telephone-exchange system. No. 1,246,125; Nov. 13; v. 244; p. 323.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Call-recording system. No. 1,246,126; Nov. 13; v. 244; p. 324.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Multicontact switching device. No. 1,246,625; Nov. 13; v. 244; p. 475.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Line-finder system. No. 1,247,976; Nov. 27; v. 244; p. 934.
- Lundell, Alben E., assignor to Western Electric Company, New York, N. Y. Telephone-exchange system. No. 1,248,515; Dec. 4; v. 245; p. 25.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone-exchange system. No. 1,249,145; Dec. 4; v. 245; p. 207.
- Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,249,146; Dec. 4; v. 245; p. 207.
- Lundell, Alben E., New York, N. Y., and H. G. Eddy, Bayonne, N. J., assignors, by mesne assignments, to Western Electric Company, Incorporated. Telephone-call-registering system. No. 1,226,981; May 22; v. 238; p. 1113.
- Lunden, Frederick. (See Le Beau, Fernando J., assignor.)
- Lundgaard, Ivar, Rochester, N. Y. Refrigerating-machine. No. 1,240,862; Sept. 25; v. 242; p. 774.
- Lundgren, Edwin. (See Ostergren, Oscar P., assignor.)
- Lundgren, Edwin. (See Ostergren and Lundgren.)
- Lundgren, Edwin, Brooklyn, N. Y. Automatic furnace. No. 1,228,456; June 5; v. 239; p. 27.
- Lundgren, Emanuel M., Stapenhill, Burton-upon-Trent, England. Pasteurizing apparatus. No. 1,217,470; Feb. 27; v. 235; p. 1177.
- Lundgren, Ludwig L., Youngstown, Ohio, assignor, by mesne assignments, of one-half to P. E. Gordon and one-half to M. D. Paulin. Telephone apparatus. No. 1,249,962; Dec. 11; v. 245; p. 475.

Alphabetical list of patentees—Continued.

- Lundholm, Joseph G., Miller, Kans. Automatic air cut-off. No. 1,211,731; Jan. 9; v. 234; p. 496.
- Lundl, Frederico G., and J. McMillan, Newcastle-upon-Tyne, England. Impressing celluloid. No. 1,237,352; Aug. 21; v. 241; p. 657.
- Lundin, Andreas P., Bayside, N. Y. Life-boat. No. 1,249,645; Dec. 11; v. 245; p. 382.
- Lundin, Ragnar O. W., New Britain, assignor to The Trumbull Manufacturing Company, Plainville, Conn. Electric switch. No. 1,224,116; Apr. 24; v. 237; p. 1189.
- Lundine, Martin. (See Sanders and Lundine.)
- Lundquist, Ernest F. T., Chicago, Ill. Coaster. No. 1,239,196; Sept. 4; v. 242; p. 152.
- Lundquist, Frank A., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric switch. No. 1,238,162; Aug. 28; v. 241; p. 949.
- Lundquist, Frank A., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic switch. No. 1,238,163; Aug. 28; v. 241; p. 949.
- Lundquist, Frank A., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic switch. No. 1,238,164; Aug. 28; v. 241; p. 950.
- Lundquist, Henry G. (See Palmquist and Lundquist.)
- Lundstrom, Carl J., Little Falls, N. Y. Cabinet for phonographs or talking-machines. No. 1,249,646; Dec. 11; v. 245; p. 382.
- Lundstrom, Walter, Almont, Mont. Post-hole digger. No. 1,237,070; Aug. 14; v. 241; p. 530.
- Lundy, Burt W., and J. V. Giddens, Valdosta, Ga. Automatic air-brake. No. 1,247,121; Nov. 20; v. 244; p. 655.
- Lundy, James E. (See Saxon and Lundy.)
- Lundy, Lundy S., Niagara Falls South, Ontario, Canada. Collapsible basket. No. 1,245,479; Nov. 6; v. 244; p. 100.
- Lungstras Dyeing & Cleaning Company. (See Owens, William A., assignor.)
- Lunken, Edmund H., Cincinnati, Ohio. Pocket-window. No. 1,228,036; May 29; v. 238; p. 1497.
- Lunken, Edmund H., Cincinnati, Ohio. Screen for pocket-windows. No. 1,245,249; Nov. 6; v. 244; p. 32.
- Lunken, Edmund H., Cincinnati, Ohio. Pulley device for pocket-windows. No. 1,247,431; Nov. 20; v. 244; p. 744.
- Lunken, Edmund H., Cincinnati, Ohio. Reinforcing device. No. 1,247,432; Nov. 20; v. 244; p. 744.
- Lunkenheimer Company, The. (See Aull, Jerome J., assignor.)
- Lunkenheimer Company, The. (See Ritter, Henry, assignor.)
- Lupher, James W., Muskegon, Mich. Combination steering and driving axle for motor-vehicles. No. 1,233,487; July 17; v. 240; p. 711.
- Lupinski, Max, and G. J. Meyer, Milwaukee, Wis. Barrel washing and renovating machine. No. 1,225,982; May 15; v. 238; p. 736.
- Lupinski, Max, and G. J. Meyer, Milwaukee, Wis. Barrel calking and renovating machine. No. 1,225,983; May 15; v. 238; p. 737.
- Lüpke, Paul, Jr., Trenton, N. J. Pipe-hanger. No. 1,224,309; May 1; v. 238; p. 70.
- Lupton, James M. (See Lupton and Jolliffe.)
- Lupton, William T. and J. M. Martinsburg, W. Va., and J. W. Jolliffe, Clear Brook, Va. Vehicle-tire. No. 1,212,973; Jan. 16; v. 234; p. 964.
- Lurie, William A., Chicago, Ill. Door-lock. No. 1,243,433; Oct. 16; v. 243; p. 693.
- Lusardi, Lucy, Defiance, Mich. Guy-anchor. No. 1,225,448; May 8; v. 238; p. 516.
- Lusk, Alfred I., and L. Zeiger, Melbourne, Iowa. Nut-lock. No. 1,228,331; May 29; v. 238; p. 1592.
- Lusk, John, Transcona, Manitoba, Canada. Water-leg for boilers. No. 1,249,790; Dec. 11; v. 245; p. 426.
- Luskey, Harry W., and L. C. Payne, Pensacola, Fla. Combination carpenter's plane. No. 1,239,127; Sept. 4; v. 242; p. 152.
- Lussier, Henry, Salem, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Shuttle. No. 1,226,615; May 15; v. 238; p. 947.
- Lustig, Samuel. (See Wiesenbergh and Lustig.)
- Lutay, Albert E., Detroit, Mich. Self-watering jardinière for hanging baskets. No. 1,249,973; Dec. 11; v. 245; p. 478.
- Luther, William M., San Francisco, Cal. Paring-machine feeder. No. 1,217,791; Feb. 27; v. 235; p. 1291.
- Luther, William M., San Francisco, Cal. Paring-machine feeder. No. 1,217,872; Feb. 27; v. 235; p. 1317.
- Luther, William M., San Francisco, Cal. Paring and coring machine. No. 1,246,127; Nov. 13; v. 244; p. 324.
- Luthman, Charles H., Hammond, Ind., assignor to C. C. Zimmerman, Park Ridge, Ill. Railway-tongs. No. 1,231,035; June 26; v. 239; p. 1015.
- Luthy, Joseph O., San Antonio, Tex. Plate-guard for secondary batteries. No. 1,247,122; Nov. 20; v. 244; p. 655.
- Luthy, Joseph O., San Antonio, Tex. Plate-guard for secondary batteries. No. 1,247,123; Nov. 20; v. 244; p. 655.
- Lutkiewicz, Joseph J., Perrysburg, Ohio. Burglar-trap. No. 1,250,605; Dec. 18; v. 245; p. 704.
- Lutostanski, Wladyslaw, New York, N. Y. Auxiliary seat for baby-carriages. No. 1,235,347; July 31; v. 240; p. 1369.
- Lutrin, Harry. (See Baron, Joseph, assignor.)
- Lutschg, Fred M., et al. (See Landreth, Harry, assignor.)
- Lutter, Adolph C., Glenview, Ill. Hinge. No. 1,223,187; Apr. 17; v. 237; p. 837.
- Luttmann, Joseph. (See Klein and Luttmann.)
- Lutton, William H., Jersey City, N. J. Greenhouse. No. 1,210,502; Jan. 2; v. 234; p. 43.
- Luttrell, Paul S., assignor to Reminder Clock Co., Oakland, Cal. Timing device. No. 1,213,516; Jan. 23; v. 234; p. 1185.
- Lüttringhaus, Arthur, Mannheim, and W. Koch, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing ketonic compounds. No. 1,220,248; Mar. 27; v. 236; p. 926.
- Lutwyche, Edgar J., Chicago, Ill. Combined door-bell and burglar-alarm. No. 1,211,732; Jan. 9; v. 234; p. 496.
- Lutz, Alois, and J. Huber, Zurich, Switzerland. Bear-trap dam. No. 1,234,053; July 17; v. 240; p. 893.
- Lutz, Ambrose F., Keota, Iowa. Automobile-jack. No. 1,223,814; Apr. 24; v. 237; p. 1088.
- Lutz, Carl, St. Gallen, Switzerland, assignor to Reichenbach & Co., New York, N. Y. Flounced skirt. No. 1,221,198; Apr. 3; v. 237; p. 70.
- Lutz, Edwin, Munith, Mich. Can-opener. No. 1,219,971; Mar. 20; v. 236; p. 791.
- Lutz, Harry G., Geneva, N. Y. Safety-razor. No. 1,221,065; Apr. 3; v. 237; p. 21.
- Lutz, Harry J. (See Modlin and Lutz.)
- Lütz, Johann, Essen-on-the-Ruhr, Germany. Means for continuously operating coke-ovens. No. 1,236,727; Aug. 14; v. 241; p. 420.
- Lutz, John, Jersey City, N. J., assignor of one-third to J. H. Best, Galva, Ill. Clothes-line-supporting device. No. 1,230,186; June 19; v. 239; p. 693.
- Lutz, William D., Allendale, assignor to Otis Elevator Company, Jersey City, N. J. Alternating-current magnet-brake. No. 1,221,880; Apr. 10; v. 237; p. 338.
- Lutz, William D., Allendale, assignor to Otis Elevator Company, Jersey City, N. J. Door-lock. No. 1,248,516; Dec. 4; v. 245; p. 25.
- Lutz, William D., Allendale, N. J., and B. W. Smith, Yonkers, N. Y. Window-lock. No. 1,214,697; Feb. 6; v. 235; p. 76.
- Lutz, William H., Philadelphia, Pa. Old man. No. 1,245,360; Nov. 6; v. 244; p. 65.
- Lutz, William H., Philadelphia, Pa. Expanding mandrel. No. 1,245,361; Nov. 6; v. 244; p. 66.
- Lutze, Alfred, Halle-on-the-Saale, Germany. Machine for cutting plastic or pulverulent masses of all kinds. No. 1,224,394; May 1; v. 238; p. 100.
- Lutze, William, Holyoke, Colo. Rake. No. 1,217,322; Feb. 27; v. 235; p. 1125.
- Lux, Anthony M., et al. (See Thompson, William I., assignor.)
- Lux, Engelbert, Bellingham, Wash. Portable, power, wood-surfacer. No. 1,224,943; May 8; v. 238; p. 343.
- Lux, Leopold M., Minneapolis, Minn. Artificial leg. No. 1,213,923; Jan. 30; v. 234; p. 1355.
- Lux, Walter J., et al. (See Thompson, William I., assignor.)
- Luyties, Amalie F., New York, N. Y. Cover for refuse-cans. No. 1,227,463; May 22; v. 238; p. 1271.
- Luzzi, August F., Houston, Tex. Shower-bath attachment. No. 1,218,879; Mar. 13; v. 236; p. 386.
- Lyche, Halvor H., Chicago, Ill. Laundry apparatus. No. 1,233,796; July 17; v. 240; p. 811.
- Lyckland, Arthur M., assignor to Wachenheimer Bros., Providence, R. I. Vanity-case. No. 1,248,878; Dec. 4; v. 245; p. 134.
- Lyda, Arthur W., New Berlin, assignor of one-half to O. J. Evans, Canton, Ohio. Tubular adjustable curtain-hanger. No. 1,240,863; Sept. 25; v. 242; p. 774.
- Lydamore, Clarence H., and G. J. Bola, Lake Placid, N. Y. Snow-traveling attachment for motor-cycles. No. 1,220,247; Mar. 27; v. 236; p. 925.
- Lydell, Don W., Paris, Mich. Mechanism for forward and rear wheel drives. No. 1,244,221; Oct. 23; v. 243; p. 967.
- Lydon, John F., Oklahoma, Okla. Anticreeping means for railway-rails. No. 1,227,811; May 29; v. 238; p. 1420.
- Lyle, Charles S., Shelton, Nebr. Riveting-tool. No. 1,248,355; Nov. 27; v. 244; p. 1040.
- Lyle Corrugated Culvert Company. (See Robertson and Frazer, assignors.)
- Lyle, Thomas H., Duluth, Minn. Extensible car-step. No. 1,220,762; Mar. 27; v. 236; p. 1105.
- Lyman, Chester W., New York, N. Y. Holder and severing device for paper-rolls. No. 1,246,446; Nov. 13; v. 244; p. 420.
- Lyman, Harrison F. (See Costello, Frederick A., assignor.)
- Lyman, Ray J., Twin Falls, Idaho. Water-meter. No. 1,215,674; Feb. 13; v. 235; p. 456.
- Lymburner, Louis M., Montreal, Quebec, Canada. Centrifugal brake for harness-hangers. No. 1,223,815; Apr. 24; v. 237; p. 1088.
- Lynn, Frederic C., et al. (See Roworth, Edward S., assignor.)
- Lynah, James, Newburgh, N. Y., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Apparatus for recovering solvents. No. 1,228,225; May 29; v. 238; p. 1557.

- Lynch, Charles E., Brooklyn, N. Y. Shoe construction. No. 1,239,411; Sept. 4; v. 242; p. 220.
- Lynch, Charley W., Trinity, Tex. Attachment for saw-mill-dogs. No. 1,228,332; May 29; v. 238; p. 1592.
- Lynch, Dennis T., New York, N. Y. Safety device for pocket-books. No. 1,230,738; June 19; v. 239; p. 875.
- Lynch, Edmond F., Charlestown, N. H. Lawn-mower sharpener. No. 1,242,011; Oct. 2; v. 243; p. 173.
- Lynch, Ernest E. (See Burket, Henry E., assignor.)
- Lynch, Eugene P., Providence, R. I. Game. No. 1,228,575; June 5; v. 239; p. 68.
- Lynch, Frank A., Roanoke, Va. Lock-nut. No. 1,245,362; Nov. 6; v. 244; p. 66.
- Lynch, George, London, England. Protective and non-penetrative covering and the like. No. 1,213,118; Jan. 16; v. 234; p. 1014.
- Lynch, George E., assignor to Royal Packing Company, Los Angeles, Cal. Chilli-roaster. No. 1,217,099; Feb. 20; v. 235; p. 1004.
- Lynch, Harry P., and W. Meck, Wilkes-Barre, Pa. Hat stretcher and steamer. No. 1,214,335; Jan. 30; v. 234; p. 1498.
- Lynch, James A., and J. L. Anderson, Salt Lake City, Utah. Form-clamp. No. 1,251,256; Dec. 25; v. 245; p. 946.
- Lynch, James B., Syracuse, N. Y. Tire for automobiles. No. 1,221,759; Apr. 3; v. 237; p. 262.
- Lynch, James W., East St. Louis, Ill., assignor to Obeart-Nester-Glass Company, St. Louis, Mo. Bottle-blowing machine. No. 1,232,703; July 10; v. 240; p. 419.
- Lynch, John, Harrisburg, Pa. Starching-machine. No. 1,211,197; Jan. 2; v. 234; p. 281.
- Lynch, Joseph L. (See Moran, Michael D., assignor.)
- Lynch, Joseph L., Chicago, Ill. Making buttons. No. 1,215,675; Feb. 13; v. 235; p. 456.
- Lynch, Michael, Paterson, N. J. Storing structure. No. 1,242,828; Oct. 9; v. 243; p. 473.
- Lynch, Thomas F., assignor to National Adhesive Company, Inc., Lynn, Mass. Pasting-machine. No. 1,211,951; Jan. 9; v. 234; p. 578.
- Lynch, Walter D., St. Paul, Minn. Device for containing and applying shoe-polish. No. 1,221,066; Apr. 3; v. 237; p. 21.
- Lynch, William J., *et al.* (See Gingras, Joseph N., assignor.)
- Lyng, George, Iron River, Mich. Potato-peeling machine. No. 1,237,251; Aug. 14; v. 241; p. 586.
- Lynham, William C., assignor of one-eighth to M. L. Anderson, Richmond, Va. Window-sash fastener. No. 1,214,476; Jan. 30; v. 234; p. 1543.
- Lynn, Clarence M., San Jose, Cal. Child's vehicle. No. 1,233,077; July 10; v. 240; p. 541.
- Lynn, Daniel M., Clintonville, Pa. Gas-relief valve for oil-wells. No. 1,238,165; Aug. 28; v. 241; p. 950.
- Lynn, John, New York, N. Y. Spraying or atomizing device. No. 1,223,083; Apr. 17; v. 237; p. 800.
- Lynn, John, Alice, Tex. Transmission chain or belt. No. 1,243,537; Oct. 16; v. 243; p. 724.
- Lynn, John H., Coplay, Pa. Antislipping tire. No. 1,213,663; Jan. 23; v. 234; p. 1236.
- Lynn, Joseph J., Moose Jaw, Saskatchewan, Canada. Adjustable fly-screen. No. 1,236,580; Aug. 14; v. 241; p. 370.
- Lynn, Joseph J., Moose Jaw, Saskatchewan, Canada. Foldable fly-trap. No. 1,238,539; Aug. 28; v. 241; p. 1073.
- Lynn, Sidney O. (See Macleary and Lynn.)
- Lyon, Arthur E. (See Schoonover, Charles O., assignor.)
- Lyon, Cody, Emmett, Idaho. Insulator for electric wires. No. 1,217,032; Feb. 20; v. 235; p. 982.
- Lyon, Eva M., Escondido, Cal. Dirigible headlight for vehicles. No. 1,225,984; May 15; v. 238; p. 737.
- Lyon, Eva M., Escondido, Cal. Dirigible headlight for vehicles. No. 1,233,078; July 10; v. 240; p. 541.
- Lyon, Eva M., Escondido, Cal. Dirigible headlight for vehicles. No. 1,240,354; Sept. 18; v. 242; p. 584.
- Lyon, George A., assignor to Lyon Non-Skid Company, Philadelphia, Pa. Buffer for motor-vehicles. No. 1,247,300; Nov. 20; v. 244; p. 705.
- Lyon & Healy. (See Kirk, Walter I., assignor.)
- Lyon, Henry H. (See Rogers and Lyon.)
- Lyon, John S., assignor of one-half to T. C. Uhlen, Rochester, N. Y. Baby-walker. No. 1,223,707; Apr. 24; v. 237; p. 1050.
- Lyon Metallic Manufacturing Company. (See Gerberich, Clarence E., assignor.)
- Lyon Metallic Manufacturing Company. (See O'Connor, John B., assignor.)
- Lyon Non-Skid Company. (See Lyon, George A., assignor.)
- Lyon, Robert W., Traverse City, Mich., assignor to Kant-sink Swimming Harness Company. Swimming-harness. No. 1,251,394; Dec. 25; v. 245; p. 987.
- Lyon, William T., assignor to The International Dental Appliance Co., Portland, Oreg. Dental apparatus. No. 1,224,395; May 1; v. 238; p. 101.
- Lyons, Daniel D., Farmington, Minn. Life-preserver. No. 1,250,911; Dec. 18; v. 245; p. 795.
- Lyons, Edward S., Woburn, Mass. Grinding-machine. No. 1,223,500; Apr. 24; v. 237; p. 976.
- Lyons, Harry W., Townsend, Mont. Lock. No. 1,249,974; Dec. 11; v. 245; p. 478.
- Lyons, John J., Brookline, Mass. Cork-extractor. No. 1,243,845; Oct. 23; v. 243; p. 855.
- Lyons, Lowell W. (See Harris and Lyons.)
- Lyons, P. J., *et al.* (See Peters, Cornelius A., assignor.)
- Lyons, Patrick J., Philadelphia, Pa. Railway-track construction. No. 1,249,147; Dec. 4; v. 245; p. 207.
- Lyons, Robert L., Waltham, Mass., assignor to F. Osann Company, New York, N. Y. Sewing-machine. No. 1,238,794; Sept. 4; v. 242; p. 23.
- Lyons, Robert L., Waltham, Mass., assignor to The Frederick Osann Company, New York, N. Y. Thread-cutting device. No. 1,246,965; Nov. 20; v. 244; p. 610.
- Lyrachord Company. (See Breed, George, assignor.)
- Lyrachord Company. (See Decker, Frank A., assignor.)
- Lysholm, Henry, Woodbury, N. J. Mechanism for feeding sheet metal to punching-machines. No. 1,221,881; Apr. 10; v. 237; p. 339.
- Lyster, Frank. (See Jones, Alva D., assignor.)
- Lyth, John J. (See Lowe and Lyth.)
- Lyttle, Rowland, Los Angeles, assignor of one-half to E. Jesurun, Pal Alto, Cal. Universal direction control for vehicle-headlights. No. 1,230,422; June 19; v. 239; p. 769.
- Lytton, Cullen L., Withers, N. C. Cushioning device for combing-nippers. No. 1,222,880; Apr. 17; v. 237; p. 731.
- Lytton, Cullen L., Withers, N. C. Bobbin-supporting pin for a reel. No. 1,234,551; July 24; v. 240; p. 1091.
- Lytton, Edward, London, England. Firing mechanism for small-arms. No. 1,240,068; Sept. 11; v. 242; p. 454.
- Lyzen, Daniel G., Grand Rapids, Mich. Railway-signal. No. 1,210,503; Jan. 2; v. 234; p. 44.
- M. Brockmann, Chemische Fabrik m. b. H. (See Köhn, Claus H., assignor.)
- M. Schulz Company. (See Gustafson, Adolph P., assignor.)
- M. Welte & Sons. (See Welte, Carl M., assignor.)
- M. B. Schenck Company, The. (See Johnson, John A., assignor.)
- M-B Tool Company. (See Massicotte and Boswell, assignors.)
- M. D. Knowlton Company. (See De Smith, Henry, assignor.)
- M. D. Knowlton Company. (See Hawkins and Seymour, assignors.)
- M. E. Smith and Company. (See Roney, William B., assignor.)
- M. H. Jester Investment Company, The. (See Jester, Marvin H., assignor.)
- M. H. Treadwell Company. (See Astrom, Carl P., assignor.)
- M. M. Johnson Co., The. (See Brown, Lucius A., assignor.)
- M. S. Wright Company. (See Wright, Morris S., assignor.)
- MaLoney, Mato F., Atlantic Beach, Fla. Hat-holder. No. 1,213,392; Jan. 23; v. 234; p. 1143.
- Maag, Max, Zurich, Switzerland. Adjusting device for grinding-wheels. No. 1,228,798; June 5; v. 239; p. 145.
- Maas, Andrew H. (See Dick, Samuel M., assignor.)
- Maas, August. (See Whitney, Frank L., assignor.)
- Maaske, Emil F., Ableman, Wis. Detachable bread-tin handle. No. 1,227,920; May 29; v. 238; p. 1457.
- Maberry, Claude D., and S. C. Kitterman, Parsons, Kans. Attachment for traction-engines. No. 1,233,797; July 17; v. 240; p. 811.
- Mable, Clarence W., Binghamton, N. Y. Coloring moving-picture films. No. 1,230,744; June 19; v. 239; p. 877.
- MacAndrews & Forbes Company. (See Walker, William W., assignor.)
- MacBean, Thomas L., Ottawa, Ontario, Canada. Reinforced-concrete sheet piling or sheathing. No. 1,249,442; Dec. 11; v. 245; p. 323.
- MacBride, James H., Taft, Cal. Razor-strop. No. 1,244,754; Oct. 30; v. 243; p. 1167.
- MacCarty, William C. (See Bacon and MacCarty.)
- MacCasky Register Company, The. (See Hick, Harry J., assignor.)
- MacCorquodale, James H. (See Knowlton, MacCorquodale, Wyckoff, Russell, and Tooker.)
- MacCurdy, John T., New York, N. Y. Photographic exposure-meter. No. 1,241,133; Sept. 25; v. 242; p. 858.
- MacCurdy, John T., New York, N. Y., and H. N. Russell, Princeton, N. J. Apparatus for producing photometric wedges. No. 1,245,606; Nov. 6; v. 244; p. 141.
- MacDonald, Alexander, Omaha, Nebr. Dump-wagon. No. 1,226,787; May 22; v. 238; p. 1046.
- MacDonald, Clifford K., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Trimming-machine. No. 1,235,709; Aug. 7; v. 241; p. 57.
- MacDonald, Frank J., Warrenville, N. Y. Stacker. No. 1,214,565; Feb. 6; v. 235; p. 28.
- MacDonald, Frank T., South Penobscot, Me. Chimney-cleaner. No. 1,230,310; June 19; v. 239; p. 734.
- MacDonald, George M., San Bernardino, Cal. Artificial honeycomb. No. 1,224,479; May 1; v. 238; p. 131.
- MacDonald, William T., Somerville, Mass. Piston-rod packing. No. 1,211,205; Jan. 2; v. 234; p. 284.
- MacDonald, William W. (See Davis and MacDonald.)
- MacDougall, Allan J., Detroit, Mich. Book-hanger. No. 1,224,947; May 8; v. 238; p. 345.

Alphabetical list of patentees—Continued.

- MacEachern, Peter A., and N. O'Daniel, Douglas, Ariz. Ore-grinding mill. No. 1,233,086; July 10; v. 240; p. 544.
- MacEwen, Benjamin J., Canutillo, Tex. Windmill. No. 1,214,340; Jan. 30; v. 234; p. 1499.
- MacFadden, George J. (See Callan and MacFadden.)
- MacGahan, Paul, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical protective device. No. 1,224,400; May 1; v. 238; p. 102.
- MacGahan, Paul, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. No. 1,227,468; May 22; v. 238; p. 1273.
- MacGahan, Paul, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Relay. No. 1,227,469; May 22; v. 238; p. 1273.
- MacGahan, Paul, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. No. 1,229,767; June 12; v. 239; p. 518.
- MacGlashan, Andrew F., Los Angeles, Cal. Baggage-carrier for automobiles. No. 1,232,350; July 3; v. 240; p. 271.
- MacGlashan, Andrew F., Buffalo, N. Y. Baggage-carrier for vehicles. No. 1,232,351; July 3; v. 240; p. 272.
- MacGlashan, William, Detroit, Mich., assignor to The Studebaker Corporation. Spring-seat and axle-bearing. No. 1,234,552; July 24; v. 240; p. 1091.
- MacGowan, George P., New York, N. Y. Baby-carrier for automobiles. No. 1,217,474; Feb. 27; v. 235; p. 1179.
- MacGown, Philip T., Mystic, Conn. Boot or shoe. No. 1,246,630; Nov. 13; v. 244; p. 477.
- MacGregor, Chide C. (See Beebe and MacGregor.)
- MacGregor, John, Rosindale, Mass. Thermometer-case. No. 1,216,827; Feb. 20; v. 235; p. 912.
- MacHarg, Carlyle. (See Blood, Burr B., assignor.)
- MacIntyre, Hector D. (See Koster and MacIntyre.)
- MacKay, Donald, Thetford Center, Vt. Aeroplane. No. 1,215,295; Feb. 6; v. 235; p. 282.
- MacKay, George M. J., Schenectady, N. Y., assignor to General Electric Company. Incandescent lamp. No. 1,249,978; Dec. 11; v. 245; p. 479.
- MacKay, John F., Bordentown, N. J. Brooder. No. 1,234,782; July 31; v. 240; p. 1197.
- MacKay, John F., Bordentown, N. J. Air-supply device for brooders and the like. No. 1,241,641; Oct. 2; v. 243; p. 56.
- MacKay, John J., Lake Charles, La. Nut-lock. No. 1,239,414; Sept. 4; v. 242; p. 221.
- MacKay, Malcolm. (See Rice, George M., assignor.)
- MacKay, Vasil, Boston, Mass. Furnace. No. 1,221,073; Apr. 3; v. 237; p. 24.
- MacKeever, Harry L., San Francisco, Cal. Device for compressing springs. No. 1,246,969; Nov. 20; v. 244; p. 611.
- MacKenzie, Chester M. (See Norton and MacKenzie.)
- MacKenzie, Fred L., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for inserting fastenings. No. 1,225,837; May 15; v. 238; p. 687.
- MacKenzie, George W., Jr. (See McKenzie, James A. and G. W., Jr.)
- MacKenzie, James A. and G. W., Jr., Ben Avon, Pa. Liquid-measuring apparatus. No. 1,228,363; May 29; v. 238; p. 1603.
- MacKenzie, James A., Rochester, and G. W. MacKenzie, Jr., Beaver, assignors to The Guarantee Liquid Measure Company, Rochester, Pa. Liquid-measuring apparatus. No. 1,242,831; Oct. 9; v. 243; p. 474.
- MacKinlay, Eben H., Calgary, Alberta, Canada. Door-check. No. 1,218,197; Mar. 6; v. 236; p. 107.
- MacKinnon, George W., Boston, Mass. Rotary engine. No. 1,248,518; Dec. 4; v. 245; p. 26.
- MacKusick, Wanda W., et al. (See O'Neill, Frank V., assignor.)
- MacLachlan, Elizabeth, assignor to W. S. Ferris, Elkhart, Ind. Cutting and cleaning tool. No. 1,239,201; Sept. 4; v. 242; p. 153.
- MacLagan, Hector P. (See Hogan and MacLagan.)
- MacLane, Stanley R., Boston, Mass. Driving and speed-regulating mechanism for phonographs. No. 1,221,074; Apr. 3; v. 237; p. 25.
- MacLane, Stanley R., Boston, Mass. Driving and speed-regulating mechanism for phonographs. No. 1,221,075; Apr. 3; v. 237; p. 25.
- MacLauchlan, James H., New York, N. Y. Delivery mechanism. No. 1,251,397; Dec. 25; v. 245; p. 987.
- MacLaurin, John, Brookfield, Mass. Sealing machine. (Reissue). No. 14,276; Mar. 20; v. 236; p. 868.
- MacLaurin, John, Brookfield, Mass. Process of veneering. No. 1,225,734; May 8; v. 238; p. 609.
- MacLaurin, John, Brookfield, Mass. Veneering-tape. No. 1,225,735; May 8; v. 238; p. 610.
- MacLean, John A., Strome, Alberta, Canada. Parachute. No. 1,233,087; July 10; v. 240; p. 544.
- MacLean, John A., Wilmette, Ill. Nut-lock. No. 1,247,854; Nov. 27; v. 244; p. 900.
- MacLean, John H., Ann Arbor, Mich. Spring-gun. No. 1,237,928; Aug. 21; v. 241; p. 839.
- MacLean, John H., Ann Arbor, Mich. Automobile-signal. No. 1,243,320; Oct. 16; v. 243; p. 660.
- MacLeith, Walter D., St. Paul, assignor of one-third to Union Fibre Company, Winona, Minn. Insulating floor construction. No. 1,226,788; May 22; v. 238; p. 1046.
- MacLewee, Carrie H. (See MacLewee, William S., assignor.)
- MacLewee, William S., assignor to C. H. MacLewee, Yardley, Pa. Fuse-plug. No. 1,243,849; Oct. 23; v. 243; p. 856.
- MacLewee, William S., assignor to C. H. MacLewee, Yardley, Pa. Fuse-plug. No. 1,243,850; Oct. 23; v. 243; p. 856.
- MacLewee, William S., assignor to C. H. MacLewee, Yardley, Pa. Fuse-plug. No. 1,243,851; Oct. 23; v. 243; p. 857.
- MacMichael, John H., Toledo, Ohio, assignor to Concrete Mixing & Conveying Company. Method of and apparatus for mixing and delivering concrete. No. 1,250,918; Dec. 18; v. 245; p. 797.
- MacMoran, Henrietta K., Burlington, Wash. Egg-beater. No. 1,240,355; Sept. 18; v. 242; p. 584.
- MacMullan, Samuel J., and J. M. Ulmer, assignors to Williamsport Radiator Company, Williamsport, Pa. Water-heater. No. 1,232,587; July 10; v. 240; p. 381.
- MacMurchy, John A., Wilkinsburg, Pa., assignor to The Westinghouse Machine Company. Elastic-fluid turbine. No. 1,212,975; Jan. 16; v. 234; p. 965.
- MacMurray, James E., assignor to Acme Steel Goods Company, Chicago, Ill. Box-strapping. No. 1,235,353; July 31; v. 240; p. 1371.
- MacNamara, Patrick T., assignor to The Western Union Telegraph Company, New York, N. Y. Gravity-battery electrode. No. 1,225,346; May 8; v. 238; p. 481.
- MacNeece, William, Philadelphia, Pa. Resilient tire. No. 1,230,588; June 19; v. 239; p. 827.
- MacNeill, John B., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Circuit-interrupter. No. 1,241,533; Oct. 2; v. 243; p. 20.
- MacPherson, Allan R., Tacoma, Wash. Game apparatus. No. 1,226,551; May 15; v. 238; p. 928.
- MacPherson, Earle S., assignor of one-half to C. L. Nedoma, Detroit, Mich. Valve mechanism. No. 1,227,812; May 29; v. 238; p. 1420.
- MacQuaid, William, Allentown, Pa. Rail-joint. No. 1,243,322; Oct. 16; v. 243; p. 661.
- MacQuesten, Charles H., assignor of one-half to F. G. MacQuesten, Bloomfield, N. J. Display device. No. 1,236,196; Aug. 7; v. 241; p. 215.
- MacQuesten, Frederic G. (See MacQuesten, Charles H., assignor.)
- MacSween, Sidney. (See Wild, Joseph L., assignor.)
- MacVey, Arthur W., Brooklyn, N. Y. Automatic musical instrument. No. 1,250,606; Dec. 18; v. 245; p. 705.
- MacVicar, Donald, Norfolk, Conn. Coop. No. 1,240,467; Sept. 18; v. 242; p. 620.
- MacVicar, Frank, Syracuse, N. Y. Internal-combustion engine. No. 1,232,352; July 3; v. 240; p. 272.
- Mabley, Thomas G., Menomonee Falls, Wis. Motor-driving attachment for binders. No. 1,214,564; Feb. 6; v. 235; p. 28.
- Macalister, Alexander. (See Ketler, William H., assignor.)
- Macallen Company, The. (See McCarthy, Louis, assignor.)
- Macartney, Arthur C., assignor to Pine Tree Milking Machine Company, Chicago, Ill. Teat-cup for milking machines. No. 1,246,292; Nov. 13; v. 244; p. 375.
- Macbeth-Evans Glass Company (See Bosson, August H., assignor.)
- Macbeth-Evans Glass Company. (See Evans, Howard S., assignor.)
- Macbeth-Evans Glass Company. (See Griswold, Lester E., assignor.)
- Macbeth-Evans Glass Company. (See Heupel, Herman A., assignor.)
- Macbeth-Evans Glass Company. (See Hower, Harry S., assignor.)
- Macbeth-Evans Glass Company. (See Macbeth, George A., assignor.)
- Macbeth-Evans Glass Company. (See Miller, Joseph J., assignor.)
- Macbeth, George A., deceased; G. D. Macbeth, executor, assignor to Macbeth-Evans Glass Company, Pittsburgh, Pa. Glass. No. 1,214,202; Jan. 30; v. 234; p. 1449.
- Macbeth, George D., executor. (See Macbeth, George A.)
- Macbeth, Jeremont J., Dayton, Ohio. Shock-absorber. No. 1,239,200; Sept. 4; v. 242; p. 153.
- Macbeth, Norman, New York, N. Y. Color-identification device. No. 1,249,443; Dec. 11; v. 245; p. 323.
- Macbeth, Robert A., Brooklyn, N. Y. Door-securer. No. 1,239,802; Sept. 11; v. 242; p. 374.
- Macdonald, Angus S. (See Macdonald, Harry P. and A. S.)
- Macdonald, Edith O., St. Regis Falls, N. Y. Dye composition. No. 1,222,433; Apr. 10; v. 237; p. 534.
- Macdonald, Foster B., Hazelton, Pa. Attachment for dental impression-trays. No. 1,248,690; Dec. 4; v. 245; p. 77.
- Macdonald, Harry P., Montclair, N. J., and A. S. Macdonald, New York, N. Y., assignors to The Sneed & Co. Iron Works, Jersey City, N. J. Book-stack. No. 1,251,072; Dec. 25; v. 245; p. 892.
- Macdonald, James, Chicago, Ill. Lifting device. No. 1,223,410; Apr. 24; v. 237; p. 943.
- Macdonald, John A., Boston, Mass. Separator or amalgamator. No. 1,237,798; Aug. 21; v. 241; p. 799.

- Macdonald, Thomas, London, England. Pantographic apparatus. No. 1,229,111; June 5; v. 239; p. 247.
- Macdonald, William A., Reading, Mass. Mop-holder. No. 1,215,294; Feb. 6; v. 235; p. 282.
- Macdonald, William R., London, England. Electric motor. No. 1,216,242; Feb. 13; v. 235; p. 658.
- Mace, Donald H., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control apparatus. No. 1,217,473; Feb. 27; v. 235; p. 1179.
- Mace, John J., and J. R. Murr, York, Pa. Electroplating and lacquering apparatus. No. 1,210,663; Jan. 2; v. 234; p. 100.
- Macé, Jules, Marseille, France. Apparatus for solving problems of spherical geometry. No. 1,223,502; Apr. 24; v. 237; p. 977.
- Macé, Jules, Grasse, France. Keyless lock. No. 1,241,532; Oct. 2; v. 243; p. 19.
- Mace, Robert A., New Haven, Conn. Safety device for gas-ranges. No. 1,236,327; Aug. 7; v. 241; p. 255.
- Macer, Lionel W., Pilgrims Rest, Transvaal, South Africa. Rail-joint. No. 1,222,313; Apr. 10; v. 237; p. 490.
- Macey, James H., Troy, Ohio. Nut-lock. No. 1,246,631; Nov. 13; v. 244; p. 477.
- Macey, Sarah A., Las Animas, Colo. Curtain-bracket. No. 1,222,434; Apr. 10; v. 237; p. 534.
- Macfadden, Bernarr, and E. L. Moulblow, New York, N. Y.; said Moulblow assignor to said Macfadden. Cooling and ventilating apparatus. No. 1,228,939; June 5; v. 239; p. 190.
- Macfarlane, James L., Atwoodville, Conn. Textile spinner and twister. No. 1,233,591; July 17; v. 240; p. 747.
- Macfarlane, James L., Atwoodville, Conn. Textile-machine. No. 1,233,592; July 17; v. 240; p. 747.
- Macfarlane, James L., Atwoodville, Conn. Textile-twister. No. 1,233,593; July 17; v. 240; p. 748.
- Macfarren, Walter W. (See Kuhn and Macfarren.)
- Machado, Adrian, Montevideo, Uruguay. Alimentary meat compound preserved by means of sugar. No. 1,245,751; Nov. 6; v. 244; p. 184.
- Machamer, Isaac A., Wiconisco, assignor of one-half to A. A. and R. Budd, Williamstown, Pa. Safety mine-car brake. No. 1,214,341; Jan. 30; v. 234; p. 1499.
- Machen, Albert S., Hicks Wharf, Va., assignor, by mesne assignments, to The National Cash Register Co., Dayton, Ohio. Advertising-cabinet. (Reissue.) No. 1,428,5; Apr. 17; v. 237; p. 890.
- Machlet, Fritz W., Elizabeth, N. J. Pump, &c. No. 1,237,668; Aug. 21; v. 241; p. 759.
- Machlet, George, Jr., Elizabeth, N. J. Electric regulator. No. 1,227,921; May 29; v. 238; p. 1457.
- Mack, Clarence N. (See Osborne, William S., assignor.)
- Mack, Elmer E., Fort Scott, Kans. Automatic window-fastener. No. 1,242,830; Oct. 9; v. 243; p. 474.
- Mack, James E., Ray Brook, N. Y. Printed instrument. No. 1,222,010; Apr. 10; v. 237; p. 384.
- Mack, James E., Ray Brook, N. Y. Holder for toilet articles. No. 1,226,231; May 15; v. 238; p. 822.
- Mack, John R., Jersey City, N. J., assignor of one-half to The Texas Company, New York, N. Y., and one-fourth to E. T. Decker, Detroit, Mich. Carbureter. No. 1,232,586; July 10; v. 240; p. 381.
- Mack, Luther L., assignor to Cancelograph Company, Los Angeles, Cal. Automatic canceling-machine. No. 1,228,460; June 5; v. 239; p. 29.
- Mack, Otto B., assignor to All-Weather Spark Plug Company, Des Moines, Iowa. Spark-plug. No. 1,227,470; May 22; v. 238; p. 1273.
- Mack, Patrick H., Bradford, assignor to Oil Well Supply Company, Pittsburgh, Pa. Oil-well packer. No. 1,248,881; Dec. 4; v. 245; p. 134.
- Mack, Patrick H., Bradford, assignor to Oil Well Supply Company, Pittsburgh, Pa. Well-packer. No. 1,248,882; Dec. 4; v. 245; p. 135.
- Mack, William, New York, N. Y. Bird bath-house. No. 1,227,471; May 22; v. 238; p. 1274.
- Mack, William, New York, N. Y. Clothes-line support. No. 1,235,352; July 31; v. 240; p. 1371.
- Mack, William, M. A., and J. F. O'Toole, Scranton, Pa. Pump. No. 1,217,797; Feb. 27; v. 235; p. 1293.
- Mackall, James H., Cleveland, Ohio. Candy-dispenser. No. 1,231,406; June 26; v. 239; p. 1137.
- Mackay, George M. J., Schenectady, N. Y., assignor to General Electric Company. Incandescent electric lamp. No. 1,234,060; July 17; v. 240; p. 895.
- Mackay, George M. J., Schenectady, N. Y., assignor to General Electric Company. Incandescent lamp. No. 1,239,413; Sept. 4; v. 242; p. 221.
- Mackay, James P., New York, N. Y. Door-securing device. No. 1,243,618; Oct. 16; v. 243; p. 749.
- Mackenzie, Fred L., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Making nail-strings. No. 1,241,868; Oct. 2; v. 243; p. 127.
- Mackenzie, Hugh W., Leeds, England. Apparatus for use in baking wafers and the like. No. 1,215,829; Feb. 13; v. 235; p. 509.
- Mackey, Ernest W., Montrose, N. Y. Legging. No. 1,236,328; Aug. 7; v. 241; p. 255.
- Mackey, Floyd J., Chicago, Ill., assignor to International Harvester Company of New Jersey. Stack for hay and the like. No. 1,250,334; Dec. 18; v. 245; p. 623.
- Mackey, Henry, *et al.* (See Gage, Joseph J., assignor.)
- Mackie, Alexander T., assignor to H. N. Sweet, Boston, Mass. Safety locking device for elevators. No. 1,233,798; July 17; v. 240; p. 812.
- Mackintosh, Edward D., Brooklyn, assignor of one-half to S. S. Hepworth Company, New York, N. Y. Belt-tightener. No. 1,220,656; Mar. 27; v. 236; p. 1070.
- Mackintosh-Hemphill & Company. (See Fawell, Joseph E., assignor.)
- Mackintosh, John, Melrose, and W. P. Callahan, Oakland, Cal. Saw-filing machine. No. 1,221,343; Apr. 3; v. 237; p. 120.
- Mackie, William J., *et al.* (See Schechter, Bernard, assignor.)
- Mackie, William J., St. Louis, Mo. Attachment for drill-presses. No. 1,244,112; Oct. 23; v. 243; p. 935.
- Macklind, William R., Cleveland, Ohio. Mechanism for removing treated materials from driers and the like. No. 1,216,711; Feb. 20; v. 235; p. 873.
- Macklind, William R., Cleveland, Ohio. Drying-table. No. 1,239,415; Sept. 4; v. 242; p. 221.
- Macklind, William R., Cleveland, and E. C. Holton, Olmstead Falls, assignors to The Sherwin-Williams Company, Cleveland, Ohio. Making an insecticide. No. 1,243,323; Oct. 16; v. 243; p. 661.
- Macklind, William R., and E. C. Holton, assignors to The Sherwin Williams Company, Cleveland, Ohio. Insecticidal composition. No. 1,244,453; Oct. 23; v. 243; p. 1036.
- Maclear, Joseph H., and S. O. Lynn, Suffolk, Va. Peanut-picker. No. 1,216,149; Feb. 13; v. 235; p. 626.
- Macleod, Albert A., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Work-support. No. 1,228,684; June 5; v. 239; p. 105.
- Macleod, Albert A., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Hold-down for lasting-machines. No. 1,237,356; Aug. 21; v. 241; p. 658.
- Macleod, Alice, San Jose, Cal. Composition of fruit matter for food production. No. 1,225,450; May 8; v. 238; p. 516.
- MacIn, Katherine T., North Emporia, Va. Scrubbing-pail. No. 1,219,017; Mar. 13; v. 236; p. 432.
- Macmechen, Thomas R., and E. M. Fox, Westminster, London, England. Airship or dirigible balloon. No. 1,219,121; Mar. 13; v. 236; p. 467.
- Macmechen, Thomas R., and W. V. Kamp, New York, N. Y. Airship. No. 1,219,122; Mar. 13; v. 236; p. 467.
- Macmechen, Thomas R., and W. V. Kamp, New York, N. Y. Airship. No. 1,219,123; Mar. 13; v. 236; p. 467.
- Macmechen, Thomas R., and W. V. Kamp, New York, N. Y. Airship. No. 1,219,124; Mar. 13; v. 236; p. 468.
- Macmechen, Thomas R., and W. V. Kamp, New York, N. Y. Airship. No. 1,219,125; Mar. 13; v. 236; p. 468.
- Macmechen, Thomas R., and W. V. Kamp, New York, N. Y. Airship. No. 1,235,988; Aug. 7; v. 241; p. 150.
- Macmechen, Thomas R., and W. V. Kamp, New York, N. Y. Airship. No. 1,236,961; Aug. 14; v. 241; p. 495.
- Macmechen, Thomas R., and W. V. Kamp, New York, N. Y. Airship. No. 1,238,315; Aug. 28; v. 241; p. 1000.
- Macmechen, Thomas R., and W. V. Kamp, New York, N. Y. Airship. No. 1,238,316; Aug. 28; v. 241; p. 1000.
- Macmillan, Marion, New York, N. Y. Milk-can. No. 1,234,189; July 24; v. 240; p. 974.
- Macneir, Edwin, Philadelphia, Pa. Wrench. No. 1,234,190; July 24; v. 240; p. 974.
- Macnorius, Joseph J., Kenosha, Wis. Pencil and pen holder. No. 1,230,589; June 19; v. 239; p. 828.
- Macomb, Lester M., Payette, Idaho. Brake-shoe clamp. No. 1,214,342; Jan. 30; v. 234; p. 1500.
- Macomber, Edmund K., Amsterdam, N. Y. Revolving light for automobiles. No. 1,224,763; May 1; v. 238; p. 230.
- Macomber, George R., Washington, D. C. Film-handling apparatus. No. 1,238,694; Aug. 28; v. 241; p. 1118.
- Macomber Motors Company. (See Macomber, Walter G., assignor.)
- Macomber, Walter G., assignor to Macomber Motors Company, Los Angeles, Cal. Muffler. No. 1,226,789; May 22; v. 238; p. 1047.
- Macon, Joseph B., Pine Bluff, Ark. Sectional hat-box. No. 1,225,451; May 8; v. 238; p. 516.
- Macphail, James. (See Dain and Macphail.)
- Macpherson, Reginald G., Leeds, England. Machine for plucking the feathers of birds. No. 1,231,401; June 26; v. 239; p. 1137.
- Macready, George P., assignor to Franklin Machine Company, Providence, R. I. Collapsible spindle. No. 1,246,130; Nov. 13; v. 244; p. 325.
- Macwilliam, Hugh G., New Rochelle, N. Y. Attachment for automobile non-skid tire-chains. No. 1,237,929; Aug. 21; v. 241; p. 840.
- Macy, Alfred J., Chicago, Ill. Automatic pilot mechanism. No. 1,228,364; May 29; v. 238; p. 1604.
- Macy, Clarkson W., Converse, Ind. Closet attachment. No. 1,218,882; Mar. 13; v. 236; p. 387.
- Macy, Clarkson W., Converse, Ind. Closet attachment. No. 1,241,231; Sept. 25; v. 242; p. 889.
- Macy, Clarkson W., Converse, Ind. Closet attachment. No. 1,241,232; Sept. 25; v. 242; p. 889.
- Macy & Co., R. H. (See Dignan, Percival, assignor.)
- Madden, Charles F., Green Bay, Wis. Plumbing structure. No. 1,213,226; Jan. 23; v. 234; p. 1084.

Alphabetical list of patentees—Continued.

- Madden, Edward J., assignor to The Hawthorne Manufacturing Company, Inc., Bridgeport, Conn. Clothes-line reel. No. 1,235,219; July 31; v. 240; p. 1331.
- Madden, James, Turner, Kans. Rail-joint. No. 1,220,250; Mar. 27; v. 236; p. 926.
- Madden, James P., and W. L. Lukens, Bethlehem, assignors to Bethlehem Steel Company, South Bethlehem, Pa. Detonating-fuse. No. 1,250,919; Dec. 18; v. 245; p. 798.
- Madden, Patrick J., Chicago, Ill. Water-closet. No. 1,229,303; June 12; v. 239; p. 362.
- Madden, Stephen J., Salina, Kans. Sweep-rake. No. 1,219,018; Mar. 13; v. 236; p. 432.
- Madden, Thomas J., Cairo, Ill. Foot-gage. No. 1,221,557; Apr. 3; v. 237; p. 196.
- Madden, Timothy E., Eden Valley, Minn. Wire-clamp. No. 1,213,669; Jan. 23; v. 234; p. 1238.
- Madderra, James S., Butler, Okla. Fish-hook. No. 1,236,463; Aug. 14; v. 241; p. 331.
- Maddock, John, assignor to John Maddock & Sons, Trenton, N. J. Siphon structure for use in water-closets. No. 1,225,452; May 8; v. 238; p. 517.
- Maddox, Thomas F. (See Mask and Maddox.)
- Madigan, Cornelius F., and T. Webster, Brooklyn, N. Y. Container. No. 1,222,227; Apr. 10; v. 237; p. 461.
- Madigan, James T., Colorado Springs, Colo. Connection-sleeve for cables. No. 1,246,970; Nov. 20; v. 244; p. 611.
- Madigan, Patrick J., Chicago, Ill. Truck. No. 1,239,498; Sept. 11; v. 242; p. 276.
- Madison, Charles C., Scandia, Kans. Attachment for traction-wheels. No. 1,211,206; Jan. 2; v. 234; p. 284.
- Madison, Charles C., Scandia, Kans. Nut-lock. No. 1,230,745; June 19; v. 239; p. 878.
- Madison, John H., Jr., Lake Geneva, Wis. Vehicle-body. No. 1,242,221; Oct. 9; v. 243; p. 279.
- Madjar, Stephen, Ogdensburg, N. J. Metallic railway-tie and rail-fastener. No. 1,247,124; Nov. 20; v. 244; p. 655.
- Madole, William J., and C. V. Krider, Paris, Tenn. Display-rack. No. 1,226,679; May 22; v. 238; p. 1008.
- Madry, John, Dixon, Ill. Washboiler. No. 1,234,920; July 31; v. 240; p. 1240.
- Madsen, Charles P., Chicago, Ill. Armored conductor. No. 1,247,125; Nov. 20; v. 244; p. 656.
- Madsen, Lars C., Chicago, Ill. Autotruck-fender. No. 1,228,461; June 5; v. 239; p. 30.
- Madsen, Mads H., Kimballton, Iowa. Manure-spreader. No. 1,234,362; July 24; v. 240; p. 1031.
- Madsen, Soren, New York, N. Y. Vending-machine for articles of food and the like. No. 1,222,314; Apr. 10; v. 237; p. 490.
- Madson, Clarence, Emmons, Minn. Elevated-carrier lock. No. 1,244,353; Oct. 23; v. 243; p. 1007.
- Madura, Ignacy, Chicago, Ill. Ash-sifting cabinet. No. 1,246,293; Nov. 13; v. 244; p. 374.
- Maegly, Frederick C., Chicago, Ill. Display device for car-weights. No. 1,221,464; Apr. 3; v. 237; p. 162.
- Maegly, Frederick C., Chicago, Ill. Tare-weight indicator for freight-cars. No. 1,221,465; Apr. 3; v. 237; p. 163.
- Maegly, George B., Kansas City, Mo. Gear-shifting mechanism. No. 1,233,088; July 10; v. 240; p. 544.
- Maes, Michael, Jr., Cincinnati, Ohio. Adjustable window-shade bracket. No. 1,212,080; Jan. 9; v. 234; p. 618.
- Maffitt, Thomas S., St. Louis, Mo., assignor, by mesne assignments, to Mississippi Valley Iron Company, Wilmington, Del. Treating iron ores. No. 1,219,338; Mar. 13; v. 236; p. 540.
- Magami, Steven, Kamloops, British Columbia, Canada. Slate-pencil holder. No. 1,244,877; Oct. 30; v. 243; p. 1204.
- Magargal, Heman C. (See Smart and Magargal.)
- Magee, Chauncey L. C., assignor of one-third to H. F. Smith and one-third to G. R. Quin, Chicago, Ill. Internal-combustion-engine water-heater. No. 1,242,711; Oct. 9; v. 243; p. 436.
- Magee, Gustave H., New Orleans, La. Egg-holder. No. 1,212,976; Jan. 16; v. 234; p. 965.
- Magee, James, 2d. (See McCollum, Alfred F., assignor.)
- Magee, James F., and C. B. Hindon, Syracuse, N. Y. Gas-heated radiator. No. 1,243,324; Oct. 16; v. 243; p. 661.
- Magerkurth, Charles, assignor of ten one-hundredths to H. Stover, Los Angeles, Cal. Automatic silent railway-crossing. No. 1,236,197; Aug. 7; v. 241; p. 215.
- Maggiora, Demetrio. (See Clarke and Maggiora.)
- Magidson, Frank, Brownsville, assignor of one-half to J. Davis, Uniontown, Pa. Spring-motor escapement. No. 1,212,786; Jan. 16; v. 234; p. 899.
- Magidson, Frank, Brownsville, assignor of one-half to J. Davis, Uniontown, Pa. Spring-motor mechanism. No. 1,212,787; Jan. 16; v. 234; p. 900.
- Magidson, Frank, Brownsville, assignor of one-half to J. Davis, Uniontown, Pa. Spring-motor. No. 1,212,788; Jan. 16; v. 234; p. 900.
- Magidson, Frank, Brownsville, assignor of one-half to J. Davis, Uniontown, Pa. Escapement for spring-motors. No. 1,212,789; Jan. 16; v. 234; p. 901.
- Magie, William E., Evansville, Ind., and W. Ferris, Milwaukee, Wis. Hydraulic transmission device. No. 1,212,655; Jan. 16; v. 234; p. 854.
- Magill, Harrison M., Tulsa, Okla. Emergency wound-closer. No. 1,251,258; Dec. 25; v. 245; p. 947.
- Maglathlin, Horace B., Kingston, assignor to Cranberry Harvester Company, Boston, Mass. Cranberry-harvesting apparatus. No. 1,233,089; July 10; v. 240; p. 545.
- Maglathlin, Horace B., Kingston, assignor to Cranberry Harvester Company, Boston, Mass. Cultivator. No. 1,233,090; July 10; v. 240; p. 545.
- Magné, Jean H. P., Mexico, Mexico. Pure-culture apparatus for yeast, mucorini, molds, bacilli, &c. No. 1,212,656; Jan. 16; v. 234; p. 854.
- Magnetic Phonograph Company. (See Marble, Harry M., assignor.)
- Magnetic Phonograph Company. (See Nolen and McElroy, assignors.)
- Magni, Umberto, Los Angeles, Cal. Radiator unit. No. 1,214,203; Jan. 30; v. 234; p. 1449.
- Magniphone Company, The. (See Coy, Albert E., assignor.)
- Magniphone Company, The. (See Rhodus, Thomas, assignor.)
- Magnus, Edwin R., Sydney, New South Wales, Australia. Artificial tooth and mounting of same. No. 1,219,019; Mar. 13; v. 236; p. 433.
- Magnus, Gustaf W., and J. O'Banion, Seattle, Wash. Life-saving suit. No. 1,214,478; Jan. 30; v. 234; p. 1544.
- Magnus, Henry. (See Toelcke, Charles, assignor.)
- Magnuson, Claus E., Hoopston, Ill. Sand-band for vehicle-wheels. No. 1,212,081; Jan. 9; v. 234; p. 619.
- Magone, Hugh P., Anaconda, Mont. Water motor or propeller. No. 1,230,191; June 19; v. 239; p. 695.
- Magoun, Cornelius B., administratrix. (See Waite and Hedin.)
- Magowan, Hugh B., Whitby, Ontario, Canada. Projecting apparatus. No. 1,228,685; June 5; v. 239; p. 105.
- Magrane, Robert, New York, assignor to Anchor Cap & Closure Corporation, Brooklyn, N. Y. Sealing-machine. No. 1,235,146; July 31; v. 240; p. 1309.
- Magrath, Henry J., Poplar, London, England. Treatment of water for softening, sterilizing, and like purposes. No. 1,211,735; Jan. 9; v. 234; p. 497.
- Magrath, Henry J., Poplar, London, England. Treatment of water for softening, purifying, and like purposes. No. 1,239,202; Sept. 4; v. 242; p. 154.
- Magruder, Willett C. (See Maury and Magruder.)
- Maguire, Alexander E., Sillery, Quebec, Canada. Ecclesiastical ritual case. No. 1,242,570; Oct. 9; v. 243; p. 391.
- Maguire, Alfred T. (See Blundell, Mills, and Maguire.)
- Maguire, George F. (See Vick, Frank H., assignor.)
- Maguire, John L., assignor of one-fourth to S. B. Haffner, Elkins, W. Va. Sectional demountable rim. No. 1,249,979; Dec. 11; v. 245; p. 479.
- Maguire, Peter J., Hutchinson, Kans. Stuffing or packing bearing-box. No. 1,213,928; Jan. 30; v. 234; p. 1356.
- Mahaffey, N. W. (See Hubner, Milton H., assignor.)
- Mahaley, Bennie, Birmingham, Ala. Automatic gage-glass wiper. No. 1,234,191; July 24; v. 240; p. 975.
- Mahan, Harold S., Effingham, Kans. Adjustable book-mark record. No. 1,249,980; Dec. 11; v. 245; p. 479.
- Mahan, Joseph E., Swissvale, assignor to Lee S. Smith and Son Manufacturing Company, Pittsburgh, Pa. Dental cement. No. 1,226,282; May 15; v. 238; p. 822.
- Mahan, Leonard D., assignor of five one-hundredths to R. B. Boyle and five one-hundredths to E. W. Boyle, Washington, D. C. Helmet. No. 1,231,766; July 3; v. 240; p. 77.
- Maher, Charles P., Montreal, Quebec, Canada. Detachable heel. No. 1,231,767; July 3; v. 240; p. 77.
- Maher, James M., Fremont, Nebr. Portable track device for motor-vehicles. No. 1,222,781; Apr. 17; v. 237; p. 696.
- Maher, John, Cleveland, Ohio. Draft-indicator. No. 1,227,286; May 22; v. 238; p. 1215.
- Maher, John, assignor of one-fifth to E. Quigley and one-fifth to J. J. McKee, Cleveland, Ohio. Draft-indicator. No. 1,227,285; May 22; v. 238; p. 1214.
- Maher, Stephen J. (See Ruit and Maher.)
- Mahla, Charles A., Jersey City, N. J., assignor to P. G. Hammar, New York, N. Y. Alarm-box. No. 1,218,198; Mar. 6; v. 236; p. 103.
- Mahlow, William H. (See Endebrock and Mahlow.)
- Mahon, Daniel P., Quincy, Mass. Keyhole attachment for locks. No. 1,217,798; Feb. 27; v. 235; p. 1293.
- Mahon, James, Ravena, N. Y. Reinforced center frame for boiler-grates. No. 1,213,521; Jan. 23; v. 234; p. 1187.
- Mahone, Edwin W., Marshall, Tex. Harness-collar. No. 1,211,207; Jan. 2; v. 234; p. 285.
- Mahoney, Clarence, assignor to G. I. Sellers & Sons Company, Elwood, Ind. Sliding shelf for kitchen-cabinets. No. 1,227,813; May 29; v. 238; p. 1421.
- Mahoney, Clarence, assignor to G. I. Sellers & Sons Company, Elwood, Ind. Latch for doors of kitchen-cabinets, &c. No. 1,243,325; Oct. 16; v. 243; p. 662.
- Mahoney, John J., San Francisco, and W. L. Norris, Berkeley, assignors to California Pipe Line Machine Co., San Francisco, Cal. Pipe-laying machine. No. 1,210,823; Jan. 2; v. 234; p. 152.
- Mahoney, John J., San Francisco, and W. L. Norris, Berkeley, assignors to California Pipe Line Machine Co., San Francisco, Cal. Pipe-laying machine. No. 1,210,824; Jan. 2; v. 234; p. 153.

- Mahoney, John J., San Francisco, and W. L. Norris, Berkeley, assignors to California Pipe Line Machine Co., San Francisco, Cal. Pipe-screwing machine. No. 1,210,825; Jan. 2; v. 234; p. 153.
- Mahoney, Joseph N., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Circuit-interrupter. No. 1,224,186; May 1; v. 238; p. 25.
- Mahoney, Joseph N., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Circuit-interrupter. No. 1,227,472; May 22; v. 238; p. 1274.
- Mahoney, Joseph N., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Circuit-interrupter. No. 1,229,768; June 12; v. 239; p. 518.
- Mahoney, Joseph N., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Circuit-interrupter. No. 1,241,534; Oct. 2; v. 243; p. 20.
- Mahoney, Joseph N., Wilkinsburg, and G. L. Christman, Swissvale, Pa., assignors to Westinghouse Electric and Manufacturing Company. Starting-switch. No. 1,248,519; Dec. 4; v. 245; p. 26.
- Mahoney, Thomas, Dorrance, Kans. Grain-stacking device. No. 1,234,363; July 24; v. 240; p. 1032.
- Mahoney, Thomas, Dorrance, Kans. Grain-stacker. No. 1,234,364; July 24; v. 240; p. 1032.
- Mahoney, Thomas, assignor to L. A. Young, Detroit, Mich. Spring-connector. No. 1,225,148; May 8; v. 238; p. 412.
- Mahony, Henry J., Green Bay, Wis. Telegraphic transmitter. No. 1,224,187; May 1; v. 238; p. 26.
- Mahrer, Henry, Milnor, N. D. Grain-separator. No. 1,220,657; Mar. 27; v. 236; p. 1070.
- Mai, Bernhard, West Hoboken, N. J. Fruit-stoning apparatus. No. 1,225,838; May 15; v. 238; p. 688.
- Maiden, Leaman A., Newberry, Fla. Bottle. No. 1,240,072; Sept. 11; v. 242; p. 455.
- Maier, Felix, Fredericksburg, Tex. Barrel-stand. No. 1,233,091; July 10; v. 240; p. 545.
- Maier, Friedrich, Elizabeth, N. J. Eye-washing device. No. 1,246,971; Nov. 20; v. 244; p. 612.
- Maignen, Prosper J. A., Philadelphia, Pa. Treatment of manure. No. 1,218,678; Mar. 13; v. 236; p. 310.
- Main, Fred F., Chicago, Ill., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,216,712; Feb. 20; v. 235; p. 873.
- Main, Fred F., Chicago, Ill., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,238,065; Aug. 21; v. 241; p. 884.
- Main, Fred F., Chicago, Ill., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,247,304; Nov. 20; v. 244; p. 706.
- Mainer, George F., San Francisco, Cal. Cable-pothead. No. 1,229,995; June 12; v. 239; p. 591.
- Mains, Franklin E., Oroshi, Cal. Starting-crank for automobiles. No. 1,224,401; May 1; v. 238; p. 103.
- Mainwaring, Albert E. (See Thomas and Mainwaring.)
- Mainwaring, John, Spring Green, Wis. Fruit-picker. No. 1,241,642; Oct. 2; v. 243; p. 56.
- Mainwaring, Richard L., Brooklyn, N. Y. Cleaning and polishing composition. No. 1,239,416; Sept. 4; v. 242; p. 222.
- Mainzer, Johann, Soest, Germany. Bottle-blowing machine. No. 1,232,353; July 3; v. 240; p. 272.
- Mair, John E., Pittsburgh, Pa., assignor to The Brunt Tile & Porcelain Company, Columbus, Ohio. Insulator. No. 1,232,354; July 3; v. 240; p. 273.
- Maire, Auguste, Argenteuil, assignor to Societe Lorraine Des Anciens Etablissements De Dietrich & Cie. De Luneville, Paris, France. Driving mechanism for magnetos. No. 1,241,134; Sept. 25; v. 242; p. 858.
- Maire, Auguste, Argenteuil, assignor to Societe Lorraine Des Anciens Etablissements De Dietrich & Cie. De Luneville, Paris, France. Piston. No. 1,249,799; Dec. 11; v. 245; p. 428.
- Maire, Peter D. (See Gregory and Maire.)
- Mairson, Fred C. (See Grant and Mairson.)
- Maisch, August T., Brooklyn, N. Y. Game apparatus. No. 1,211,379; Jan. 2; v. 234; p. 342.
- Maisch, Gustav F., Chicago, Ill. Refrigerating apparatus. No. 1,225,453; May 8; v. 238; p. 517.
- Maisch, Gustave F. (See Mandelbaum and Maisch.)
- Maise, Herman C., assignor to Springfield Body Corporation of New York, Springfield, Mass. Convertible vehicle-body. No. 1,251,259; Dec. 25; v. 245; p. 947.
- Maisel, Michel, New York, N. Y. Figure wheeled toy. No. 1,247,126; Nov. 20; v. 244; p. 656.
- Maitland, John, Swampscott, Mass. Thread-stand. No. 1,221,883; Apr. 10; v. 237; p. 340.
- Maitre, Alcide H., and V. H. G. Martin, Rouen, France. Contact-interrupter for the electromagnetic production of musical sounds. No. 1,249,157; Dec. 4; v. 245; p. 210.
- Maixner, Frank J. (See Prenosil, Anthony J., assignor.)
- Majestic Electric Development Company. (See Brown, Edmund N., assignor.)
- Majestic Electric Development Company. (See Shoenberg, Milton H., assignor.)
- Majorana, Phillip, Louisville, Ky. Graphophone. No. 1,219,752; Mar. 20; v. 236; p. 714.
- Majors, James M., *et al.* (See Witherell, Silas, assignor.)
- Majors, W. W., *et al.* (See Witherell, Silas, assignor.)
- Makepeace, George L., *et al.* (See Hotchkiss, Edward D., assignor.)
- Maker, Edward, Eldridge, N. D. Automobile attachment. No. 1,218,947; Mar. 13; v. 236; p. 407.
- Maker, Ernest, Elsinore, Cal. Punch. No. 1,222,961; Apr. 17; v. 237; p. 758.
- Maker, Ernest, Santa Rosa, Cal. Safety carrying-band. No. 1,235,582; Aug. 7; v. 241; p. 18.
- Maker, Ernest, Santa Rosa, Cal. Coffee-urn and heated dispensing attachment therefor. No. 1,237,357; Aug. 21; v. 241; p. 659.
- Maker, John A., Duluth, Minn. Film-spool-holding mechanism for photographic apparatus. No. 1,214,936; Feb. 6; v. 235; p. 159.
- Maker, John A., Duluth, Minn. Artificial denture. No. 1,218,289; Mar. 6; v. 236; p. 141.
- Maker, John A., Duluth, Minn. Closure for dispensing paste-tubes. No. 1,227,638; May 29; v. 238; p. 1360.
- Makowski, John F., assignor of one-half to C. Holloway, Jr., San Francisco, Cal. Welding-machine. No. 1,234,365; July 24; v. 240; p. 1032.
- Makutchan, William H., Chicago, Ill. Roller-bearing. No. 1,246,294; Nov. 13; v. 244; p. 374.
- Malacove, James M., Tacoma, Wash. Agricultural implement. No. 1,212,377; Jan. 16; v. 234; p. 754.
- Malacove, James M., Tacoma, Wash. Power-driven agricultural implement for plowing. No. 1,222,647; Apr. 17; v. 237; p. 650.
- Maland, Ole O. (See Sheldrup and Maland.)
- Malcamp, Philip, New Orleans, La. Sterilizer. No. 1,231,402; June 26; v. 239; p. 1138.
- Malcher, Konrad, Gleiwitz, Germany. Truck. No. 1,232,822; July 10; v. 240; p. 459.
- Malcomson, Malcom D., West Orange, N. J., and C. A. Ketchen, Jr., Waterbury, Conn. Hanger or wall-hook. No. 1,248,363; Nov. 27; v. 244; p. 1041.
- Malgam Brush Company. (See Tucker and Arnold, assignors.)
- Malick, Boyd C., Lima, Ohio. Shoe attachment. No. 1,223,994; Apr. 24; v. 237; p. 1148.
- Malinovsky, Andrew, assignor to H. H. Randolph, Chicago, Ill. Molding-machine. No. 1,210,664; Jan. 2; v. 234; p. 100.
- Malins, Henry S., assignor of one-half to J. A. Bowman, Toronto, Ontario, Canada. Holder for tickets, cards, and the like. No. 1,218,097; Mar. 6; v. 236; p. 73.
- Malls, Ida. (See Silver, Israel, assignor.)
- Mallaby, George F., East Cleveland, Ohio, assignor to Kelly-Springfield Tire Company. Resilient tire. No. 1,214,566; Feb. 6; v. 235; p. 29.
- Mallatt, Charles D., assignor of one-half to C. E. Holmes, Michigan City, Ind. Door-knob fastener. No. 1,245,939; Nov. 6; v. 244; p. 240.
- Malleable Iron Fittings Company. (See Pickop, George B., assignor.)
- Mallen, Henry T., Chillicothe, Ill. Whip-lock. No. 1,212,977; Jan. 16; v. 234; p. 966.
- Mallette, Gertrude E., Juneau, Alaska. Attachment for type-writers. No. 1,235,354; July 31; v. 240; p. 1372.
- Mallin, Isaac H., Chicago, Ill. Implement-holder for type-writing machines. No. 1,229,493; June 12; v. 239; p. 426.
- Mallison, George. (See Tesse, Felix J. C., assignor.)
- Malloch, Sidney R. M., Philadelphia, Pa. Silent railway-crossing. No. 1,249,981; Dec. 11; v. 245; p. 480.
- Mallory, Harry C., New York, N. Y. Steam generation and utilization. No. 1,230,854; Aug. 14; v. 241; p. 460.
- Mallory, Jesse M., New Geneva, Pa. Switch-operating device. No. 1,231,403; June 26; v. 239; p. 1138.
- Mallory, John W., near Ivanhoe, Va. Buckle. No. 1,233,092; July 10; v. 240; p. 546.
- Mallove, Morris, Brooklyn, assignor of thirty-five one-hundredths to J. Greenberg and P. Kieves, New York, N. Y. Pipe claw-vise. No. 1,239,431; Sept. 4; v. 242; p. 226.
- Malloy, Edward T., Hamilton, Ohio. Caster. No. 1,233,093; July 10; v. 240; p. 546.
- Malloy, William G., Toronto, Ontario, Canada, assignor to United Shoe Machinery Company, Paterson, N. J. Roll-retaining device for machines for operating on shoes. No. 1,232,429; July 3; v. 240; p. 296.
- Mally, Tadeusz Z. (See Mehlopo, Mathei, and Mally.)
- Mally, Tadeusz Z., Chicago, assignor to G. Plamondon, deceased, Wheaton, Ill.; A. D. Plamondon, executor. Clasp. No. 1,229,198; June 5; v. 239; p. 277.
- Malm, Axel C. V., assignor to The Egly Register Company, Dayton, Ohio. Manifold device. No. 1,246,632; Nov. 13; v. 244; p. 477.
- Malm, John A., Diamond, S. D. Grain-pan for threshing-machines. No. 1,224,188; May 1; v. 238; p. 26.
- Malm, John A., Diamond, S. D. Screening mechanism for threshing-machines. No. 1,232,947; July 10; v. 240; p. 501.
- Malm, John L., Denver, Colo. Barrel. No. 1,215,565; Feb. 13; v. 235; p. 415.
- Malm, John L., Denver, Colo., assignor to The Midwest Metals Company. Appliance for sealing the feed and discharge openings of rotary containers. No. 1,214,809; Feb. 6; v. 235; p. 112.
- Malm, Theodore H., Loomis, Nebr. Spice-container. No. 1,234,366; July 24; v. 240; p. 1032.

Alphabetical list of patentees—Continued.

- Malmquist, Adolph K., assignor to Perfect Vacuum Canning Company, South Bellingham, Wash. Can-capping machine. No. 1,241,233; Sept. 25; v. 242; p. 889.
- Malone, Joseph E., Bristol, Va. Pulp saving and washing machine. No. 1,212,978; Jan. 16; v. 234; p. 966.
- Malone, Leo, Oconomowoc, Wis. Adjustable automobile-seat. No. 1,219,654; Mar. 20; v. 236; p. 681.
- Malone, Levi D., and H. E. Hubbs, assignors to The Shelby Spring Hinge Company, Shelby, Ohio. Closure-retaining device. No. 1,211,470; Jan. 9; v. 234; p. 408.
- Malone, Thomas W., Madisonville, Tex. Gasolene-supply-tank attachment. No. 1,233,094; July 10; v. 240; p. 546.
- Maloney, Edward H. (See Pelton, Lewis V., assignor.)
- Maloney, Edward J., Long Island City, N. Y. Abrasive and polishing strip holder. No. 1,220,658; Mar. 27; v. 236; p. 1070.
- Maloney, Frank H., Bridgeport, Conn. Pickling and washing machine. No. 1,251,073; Dec. 25; v. 245; p. 893.
- Maloney, Gilbert R., Holden, Mo. Automatic brake. No. 1,244,354; Oct. 23; v. 243; p. 1007.
- Maloney, Thomas J., Jersey City, N. J., assignor to P. Lorillard Company, New York, N. Y. Sealed-wrapped tobacco-package. No. 1,247,697; Nov. 27; v. 244; p. 852.
- Maloney, William T. (See Eberhard and Maloney.)
- Maloy, Michael J., Woodland, Me. Expansion-mandrel. No. 1,232,704; July 10; v. 240; p. 420.
- Malsbury, Fred F., Cincinnati, Ohio. Sash-lock. No. 1,216,241; Feb. 13; v. 235; p. 657.
- Malsin, Albert, New York, N. Y. Flexible ruler. No. 1,233,382; July 17; v. 240; p. 677.
- Malsin, Albert, New York, N. Y. Combined coat and skirt hanger. No. 1,246,972; Nov. 20; v. 244; p. 612.
- Maltais, Peter A., Paspébiac, Quebec, Canada. Butter and lard cutter. No. 1,235,355; July 31; v. 240; p. 1372.
- Maltby, Clinton H. (See Hopkinson and Maltby.)
- Maltby, George B., Cleveland, Ohio. Car construction. No. 1,214,567; Feb. 6; v. 235; p. 29.
- Maltby, George K., New York, N. Y. Lamp. No. 1,224,189; May 1; v. 238; p. 27.
- Maltby, Julius, assignor to Waterbury Buckle Co., Waterbury, Conn. Buckle. No. 1,242,571; Oct. 9; v. 243; p. 392.
- Maltby, Lewis C., assignor to The Stone Straw Company, Washington, D. C. Glue-pot. No. 1,224,764; May 1; v. 238; p. 230.
- Maltby, Sidney T., Washington, D. C. Container. No. 1,217,799; Feb. 27; v. 235; p. 1294.
- Maltz, Harry A., Ithaca, N. Y. Dirigible-headlight bracket. No. 1,229,304; June 12; v. 239; p. 363.
- Malvern, Edmund N., and W. W. Jones, Maryville, Mo. Sack-handle. No. 1,237,930; Aug. 21; v. 241; p. 840.
- Malvezin, Pierre, Seaux, France. Process and apparatus for roasting coffee and other substances. No. 1,237,931; Aug. 21; v. 241; p. 840.
- Maly, Joe, Dwight, Nebr. Grain-car door. No. 1,229,996; June 12; v. 239; p. 591.
- Malysko, Alexander A., Chicago, Ill. Desk-calendar stand. No. 1,250,479; Dec. 18; v. 245; p. 667.
- Manahan, Edward L., Kansas City, Mo. Receptacle for sacred emblems. No. 1,230,746; June 19; v. 239; p. 878.
- Mancha, Raymond, St. Louis, Mo. Storage-battery locomotive. No. 1,224,122; Apr. 24; v. 237; p. 1192.
- Manchester, Jerome J., Indianapolis, Ind. Toy. No. 1,241,535; Oct. 2; v. 243; p. 20.
- Mancl, Charles J., and N. A. Nelson, assignors to The American Safety Signal Company, Milwaukee, Wis. Automobile-signal. No. 1,238,169; Aug. 28; v. 241; p. 952.
- Mandel, Aaron H., and M. Roth, New York, N. Y. Changeable sign. No. 1,225,454; May 8; v. 238; p. 517.
- Mandelbaum, Maurice H., Chicago, Ill. Coin-register. No. 1,243,619; Oct. 16; v. 243; p. 749.
- Mandelbaum, Maurice H., and G. F. Maisch, Chicago, Ill.; said Maisch assignor to said Mandelbaum. Currency-selector. No. 1,233,490; July 17; v. 240; p. 712.
- Mandelbaum, Maurice H., and G. F. Maisch, Chicago, Ill.; said Maisch assignor to said Mandelbaum. Currency-selector. No. 1,233,491; July 17; v. 240; p. 713.
- Manderscheid, Thomas R., Terrebonne, Ore. Rake. No. 1,212,790; Jan. 16; v. 234; p. 901.
- Mandeville, Henry D., Kansas City, Kans. Washing-machine. No. 1,220,135; Mar. 20; v. 236; p. 852.
- Maney, Katherine J., Mukwonago, Wis. Iron-holder. No. 1,218,098; Mar. 6; v. 236; p. 73.
- Mangan, Thomas J. (See Swingle and Mangan.)
- Manger, Joseph. (See Prussner, Nash, and Manger.)
- Manges, Duff G., Tellico Plains, Tenn. Sheave-block. No. 1,213,670; Jan. 23; v. 234; p. 1238.
- Mangisch, Edward, and A. Rey, New York, N. Y. Coffee-percolator. No. 1,226,552; May 15; v. 238; p. 928.
- Manhard, Alonzo, assignor to The Cleveland Electric and Machine Manufacturing Company, Cleveland, Ohio. Handle. No. 1,213,227; Jan. 23; v. 234; p. 1085.
- Manhattan Electrical Supply Company. (See Avery, Charles E., assignor.)
- Manhattan Electrical Supply Company. (See Peterson, Johann G., assignor.)
- Manhattan Electrical Supply Company. (See Peterson and Huebel, assignors.)
- Manhire, William J., Denver, Colo., assignor to Combustion Specialty Co., Kansas City, Mo. Furnace-grate. No. 1,218,199; Mar. 6; v. 236; p. 108.
- Manierre, George, Milwaukee, Wis. Box-car-loading machine. No. 1,223,085; Apr. 17; v. 237; p. 800.
- Manierre, George, Milwaukee, Wis. Box-car-loading apparatus. No. 1,226,553; May 15; v. 238; p. 928.
- Manifold, Richard G., Riverside, Cal. Gearing for motor-vehicles. No. 1,240,748; Sept. 18; v. 242; p. 704.
- Manitowoc Electric Implement Co. (See Brixius, Frank E., assignor.)
- Mankin, Charles A., assignor to J. F. Walton, Sturgis, Mich. Adjusting mechanism. No. 1,211,608; Jan. 9; v. 234; p. 455.
- Mankos, John, Palmerton, Pa. Whirling toy. No. 1,217,037; Feb. 20; v. 235; p. 983.
- Manley, McCaslan V., Newnan, Ga. Cotton-seed planter. No. 1,222,228; Apr. 10; v. 237; p. 461.
- Manley, Moore Lumber Company. (See Calahan, Delona L., assignor.)
- Manlove, Joseph E., Plymouth, Ill. Spark-plug. No. 1,223,188; Apr. 17; v. 237; p. 837.
- Manly, Charles M., Brooklyn, N. Y. Variable-capacity pump. No. 1,212,791; Jan. 16; v. 234; p. 901.
- Manly, Charles M., Brooklyn, N. Y. Distant control apparatus. No. 1,227,639; May 29; v. 238; p. 1360.
- Manly, Charles M., Brooklyn, N. Y. Power-transmission device. No. 1,238,927; Sept. 4; v. 242; p. 66.
- Manly, Charles M., Freeport, N. Y. Vehicle-tire. No. 1,223,816; Apr. 24; v. 237; p. 1089.
- Manly, Charles M., Freeport, N. Y. Variable-stroke pump. No. 1,227,164; May 22; v. 238; p. 1176.
- Manly, Charles M., Freeport, N. Y. Control mechanism for variable-speed gears. No. 1,244,878; Oct. 30; v. 243; p. 1204.
- Mann, Charles F., Washougal, Wash. Match-box. No. 1,223,189; Apr. 17; v. 237; p. 837.
- Mann, Colin, Boothbay Harbor, Me. Receptacle-supporting faucet attachment. No. 1,212,979; Jan. 16; v. 234; p. 966.
- Mann, Frederick W., and M. L. Chappell, Berkeley, assignors to Standard Oil Company, Richmond, Cal. Production of aromatic bodies and gas from petroleum-oils. No. 1,214,204; Jan. 30; v. 234; p. 1450.
- Mann, Frederick W., Berkeley, and M. L. Chappell, El Segundo, assignors to Standard Oil Company, Richmond, Cal. Apparatus for the manufacture of aromatic bodies from petroleum-oils. No. 1,249,444; Dec. 11; v. 245; p. 324.
- Mann, Ira A., Pittsburgh, Pa. Water-closet. No. 1,211,471; Jan. 9; v. 234; p. 408.
- Mann, Ira A., Pittsburgh, Pa. Plumbing-fixture. No. 1,242,572; Oct. 9; v. 243; p. 392.
- Mann, James H., Jr., Pine Bluff, Ark. Vending-machine. No. 1,217,616; Feb. 27; v. 235; p. 1231.
- Mann, Nelson E., New Britain, Conn., assignor to Reliance Electric Heating Company, Columbia, Pa. Electric heating-pad. (Reissue.) No. 14,286; Apr. 17; v. 237; p. 891.
- Mann, William, Bayonne, N. J. Mail-separating device for pigeonholes. No. 1,217,973; Mar. 6; v. 236; p. 30.
- Mann, William, Bayonne, N. J. Mail-separating device for pigeonholes. No. 1,220,525; Mar. 27; v. 236; p. 1025.
- Manneschmidt, Lucia H., New Brunswick, N. J. Boiler-stand. No. 1,236,329; Aug. 7; v. 241; p. 255.
- Mannhardt, Daniel W., F. L., and H. A., Washington, Iowa. Weed-extermimator. No. 1,223,817; Apr. 24; v. 237; p. 1089.
- Mannhardt, Daniel W., Washington, Iowa. Portable engine-driving machine. No. 1,238,038; Aug. 21; v. 241; p. 875.
- Mannhardt, Frederick L. (See Mannhardt, Daniel W., F. L., and H. A.)
- Mannhardt, Herman A. (See Mannhardt, Daniel W., F. L., and H. A.)
- Manning, Bowman & Company. (See Wilkinson and Barker, assignors.)
- Manning, Charles C., Minneapolis, Minn. Dental mounting. No. 1,212,532; Jan. 16; v. 234; p. 808.
- Maunig, Coleman J., Medford, Mass. Safety-valve. No. 1,236,583; Aug. 14; v. 241; p. 370.
- Manning, Coleman J., Medford, assignor to American Steam Gauge & Valve Manufacturing Co., Boston, Mass. Pressure-gage. No. 1,222,315; Apr. 10; v. 237; p. 491.
- Manning, Ebenezer H., Tomah, Wis. Windmill construction. No. 1,219,339; Mar. 13; v. 236; p. 541.
- Manning, Frederick C., Chicago, Ill., assignor to Splitdorf Electrical Company, Newark, N. J. Interrupter-clamp for ignition-dynamos. No. 1,231,768; July 3; v. 240; p. 78.
- Manning, George A., assignor to C. G. Conn, Elkhart, Ind. Drum trap-holder. No. 1,230,192; June 19; v. 239; p. 695.
- Manning, George A., assignor to C. G. Conn, Elkhart, Ind. Drum. No. 1,232,823; July 10; v. 240; p. 459.
- Manning, Herbert B., Fall River Mills, Cal. Demountable rim. No. 1,239,118; Sept. 4; v. 242; p. 128.
- Manning, Joseph. (See Clark and Manning.)
- Manning Manufacturing Company. (See Tait, Harry T., assignor.)
- Manning, Rodney W., Riverside, R. I. Tappet for valves. No. 1,212,980; Jan. 16; v. 234; p. 967.

- Manning, Stephen W., Sapulpa, Okla. Method of and apparatus for drawing glass. No. 1,239,024; Sept. 4; v. 242; p. 98.
- Manning, Walter M., and O. B. Ganson, Omaha, Nebr. Attachment for vapor-heating systems. No. 1,223,190; Apr. 17; v. 237; p. 838.
- Manning, William J., Washington, D. C. Surgical device. No. 1,229,633; June 12; v. 239; p. 474.
- Manning, William M., Seattle, Wash. Window-lock. No. 1,226,680; May 22; v. 238; p. 1008.
- Manning, William T., Govans, Md. Lock for hopper-doors. No. 1,229,997; June 12; v. 239; p. 592.
- Mannon, Homer, H. M. Brown, and R. G. Perkins, Huntington, W. Va. Anatomical articulating-grinder. No. 1,232,355; July 3; v. 240; p. 273.
- Manny, Eugene S., Montreal, Quebec, Canada. Pipe attachment for tubular furnaces. No. 1,240,994; Sept. 25; v. 242; p. 815.
- Manny, Fred L., assignor, by mesne assignments, to Baker-Vawter Company, Benton Harbor, Mich. Follower for filing-trays. No. 1,226,790; May 22; v. 238; p. 1047.
- Manny, Fred L., assignor, by mesne assignments, to Baker-Vawter Company, Benton Harbor, Mich. Follower for filing-trays. No. 1,226,791; May 22; v. 238; p. 1048.
- Manny, Lucien A., assignor to C. I. Giroux, Montreal, Quebec, Canada. Nut-lock. No. 1,228,940; June 5; v. 239; p. 191.
- Manoil, James. (See Graf, Emil, assignor.)
- Mansbach, Conrad B., assignor of one-half to F. L. Price, Brockton, Mass. Composite heel. No. 1,220,660; Mar. 27; v. 236; p. 1071.
- Mansbach, Conrad B., assignor of one-half to F. L. Price, Brockton, Mass. Composite heel. No. 1,241,643; Oct. 2; v. 243; p. 57.
- Mansbach, Conrad B., assignor of one-third to F. L. Price and one-third to F. A. Carlson, Brockton, Mass. Tire-tool. No. 1,220,659; Mar. 27; v. 236; p. 1071.
- Mansell, Enoch E., and W. H. Warner, Castlerock, Wash. Radiator. No. 1,242,961; Oct. 16; v. 243; p. 549.
- Mansey, Louis. (See Ordway, Fred L., assignor.)
- Mansfield, Clarence H., El Paso, Tex. Film-winder for cameras. No. 1,226,681; May 22; v. 238; p. 1009.
- Mansfield & Co. (See Bostock, Edgar H., assignor.)
- Mansfield, George F., Pascagoula, Miss., assignor of one-half to F. H. Lewis, Pascagoula, Miss. Cloth-measuring machine. No. 1,238,798; Sept. 4; v. 242; p. 24.
- Mansfield, Harry A., Monroe, Nebr. Railway-spike holder. No. 1,211,609; Jan. 9; v. 234; p. 456.
- Mansfield, Harry R., Racine, Wis., assignor to Racine Handy Manufacturing Company. Wind-shield cleaner. No. 1,241,644; Oct. 2; v. 243; p. 57.
- Mansfield, James G. B., Gorda, Cal. Sidehill gang-plow. No. 1,221,764; Apr. 3; v. 237; p. 264.
- Mansfield, Royal J., New York, N. Y. Sprinkler-tank equipment. No. 1,227,287; May 22; v. 238; p. 1215.
- Manson, Charles L., assignor of one-half to J. B. Williams, Louisville, Ky. Railway-rail. No. 1,231,039; June 26; v. 239; p. 1017.
- Manson, Ray H., assignor to The Garford Manufacturing Company, Elyria, Ohio. Automobile or motor-cycle horn. No. 1,211,208; Jan. 2; v. 234; p. 285.
- Manson, Ray H., assignor to The Garford Manufacturing Company, Elyria, Ohio. Electric system for vehicles. No. 1,215,676; Feb. 13; v. 235; p. 456.
- Manson, Ray H., assignor to The Garford Manufacturing Company, Elyria, Ohio. Automobile-horn. No. 1,216,823; Feb. 20; v. 235; p. 912.
- Manson, Ray H., assignor, by mesne assignments, to The Garford Manufacturing Company, Elyria, Ohio. Signaling device. No. 1,218,099; Mar. 6; v. 236; p. 73.
- Manson, Ray H., assignor to The Garford Manufacturing Company, Elyria, Ohio. Horn for automobiles, motor-cycles, and the like. No. 1,235,710; Aug. 7; v. 241; p. 57.
- Manson, Ray H., Elyria, Ohio, assignor, by mesne assignments, to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Circuit-controller. No. 1,215,566; Feb. 13; v. 235; p. 415.
- Manson, Ray H., Elyria, Ohio, assignor, by mesne assignments, to Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y. Telephone-transmitter. No. 1,229,634; June 12; v. 239; p. 474.
- Manson, Ray H., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Lightning-arrester. No. 1,236,584; Aug. 14; v. 241; p. 371.
- Mansure, John E., assignor of one-half to F. P. Brooke, Philadelphia, Pa. Necktie. No. 1,238,421; Aug. 28; v. 241; p. 1033.
- Mante, Ferdinand, Oakland, Cal. Folding stool. No. 1,226,554; May 15; v. 238; p. 929.
- Mantel, Florian J., assignor to Crouse-Hinds Company, Syracuse, N. Y. Hinge construction. No. 1,212,792; Jan. 16; v. 234; p. 902.
- Mantell, Edward P., Seattle, Wash. Internal-combustion engine. No. 1,245,482; Nov. 6; v. 244; p. 101.
- Manteufel, Otto C., Milwaukee, Wis. Loose-leaf binder. No. 1,221,466; Apr. 3; v. 237; p. 163.
- Mantha, William L. (See Snedecor, John R., assignor.)
- Mantle Lamp Company of America, The. (See Davis and Johnson, assignors.)
- Mantle Lamp Company of America, The. (See Johnson, Victor S., assignor.)
- Mantooth, Joseph O., Newport, Ark. Hay-loader. No. 1,219,020; Mar. 13; v. 236; p. 433.
- Manuel, Charles J., and M. L. Richardson, Waltham, Mass. Lathe-chuck. No. 1,238,546; Aug. 28; v. 241; p. 1075.
- Manuel, William P., Los Angeles, Cal. Pencil attachment. No. 1,236,330; Aug. 7; v. 241; p. 256.
- Manuel, William P., Los Angeles, Cal. Attachment for pencils. No. 1,236,331; Aug. 7; v. 241; p. 256.
- Manuel, William P., Los Angeles, Cal. Curtain-window. No. 1,251,260; Dec. 25; v. 245; p. 947.
- Manville, Charles R., assignor to H. W. Johns-Manville Company, Milwaukee, Wis. Heat-insulating covering. No. 1,218,679; Mar. 13; v. 236; p. 311.
- Many, Robert, Oak Park, Ill. Fire-hose. No. 1,220,661; Mar. 27; v. 236; p. 1071.
- Manz Engraving Company. (See Voges, Paul, assignor.)
- Manzel Brothers Company. (See Manzel, Charles W., assignor.)
- Manzel, Charles W., assignor to Manzel Brothers Company, Buffalo, N. Y. Air-pump. No. 1,213,522; Jan. 23; v. 234; p. 1188.
- Manzella, Ernest V., Chicago, Ill. Electrically-heated sad-iron. No. 1,212,082; Jan. 9; v. 234; p. 619.
- Mapel, Elliott B., trustee. (See Blumenberg, Henry, assignor.)
- Mapel, Lewis A., assignor to Mechanical Development Company of Missouri, St. Louis, Mo. Liquid-storage apparatus. No. 1,247,855; Nov. 27; v. 244; p. 900.
- Mapes, Charles M., New York, N. Y. Fluid-proofed hollow object and making hollow objects fluid-proof. No. 1,219,021; Mar. 13; v. 236; p. 433.
- Mapes, John, assignor of one-half to Z. S. McGinnis, Aledo, Ill. Car-door. No. 1,220,436; Mar. 27; v. 236; p. 994.
- Maphet, George W. (See Simonton and Maphet.)
- Mappett, Alfred S., assignor to Fowler & Wolfe Manufacturing Company, Philadelphia, Pa. Adjustable support for wall-radiators. No. 1,236,855; Aug. 14; v. 241; p. 460.
- Mapson, Robert L., San Diego, assignor of one-half to L. Sperbeck, La Mesa, Cal. Valve-releasing device. No. 1,222,229; Apr. 10; v. 237; p. 461.
- Mara, Patrick F., Danvers, Ill. Cut-out for automobiles. No. 1,217,800; Feb. 27; v. 235; p. 1294.
- Marabini, Raffaele, New York, N. Y. Pneumatic shoe. No. 1,225,455; May 8; v. 238; p. 518.
- Maranda, Albert H. (See Willson and Maranda.)
- Maranowski, Joseph B., Hamtramck, Mich. Automatic mail-bag catcher. No. 1,251,398; Dec. 25; v. 245; p. 988.
- Maranville, Harvey F., Akron, Ohio. Ventilator. No. 1,247,698; Nov. 27; v. 244; p. 853.
- Marathon Electric Mfg. Company. (See Sellers, Harry E., assignor.)
- Marbach, Frank G., assignor to The Champion Register Company, Cleveland, Ohio. Combined printing and autograph machine. No. 1,247,305; Nov. 20; v. 244; p. 707.
- Marbais, Désiré. (See Deguide, Camille, assignor.)
- Marble, George E., Dubuque, Iowa. Car-truck. No. 1,225,149; May 8; v. 238; p. 412.
- Marble, Harry M., Newark, N. J., assignor to Magnetic Phonograph Company, New York, N. Y. Diaphragm-mounting. No. 1,242,222; Oct. 9; v. 243; p. 280.
- Marble, Webster L., Gladstone, Mich. Slide-action firearm. No. 1,223,411; Apr. 24; v. 237; p. 943.
- Marble, Webster L., Gladstone, Mich. Firearm-sight. No. 1,247,559; Nov. 20; v. 244; p. 778.
- Marburg Brothers et al. (See Geisslinger, Johann, assignor.)
- Marburger, Henry L., assignor of one-half to Reine-Salmon Company, Baltimore, Md. Druggist's cabinet. No. 1,219,976; Mar. 20; v. 236; p. 793.
- Marcelli, Anthony, New York, N. Y. Trousers-protector. No. 1,211,472; Jan. 9; v. 234; p. 409.
- Marcello, James, Greenwich, Conn. Directional signal. No. 1,211,330; Jan. 2; v. 234; p. 327.
- Marcellus, Percy S., Orange, N. J. Movable-top desk. No. 1,244,523; Oct. 30; v. 243; p. 1096.
- March, Charles M., Portland, Me. Stop mechanism for camera-fronts. No. 1,233,095; July 10; v. 240; p. 547.
- March, Fred C., Warren, Ohio, assignor to General Electric Company. Packing for incandescent-lamp bulbs and the like. No. 1,212,793; Jan. 16; v. 234; p. 902.
- Marchand, Alexis, Bridgeport, Wash. Can-opener. No. 1,232,948; July 10; v. 240; p. 501.
- Marchand, Louis, Jr., Pittsburgh, Pa. Connector for flexible armored conductors. No. 1,238,799; Sept. 4; v. 242; p. 25.
- Marchant, George W., and C. B. Burch, Marion, Iowa. Automobile-wheel anchor. No. 1,215,395; Feb. 13; v. 235; p. 352.
- Marchant, Lewis, Altoona, Pa. Mechanical hump elevating, hinging, and supporting mechanism. No. 1,238,547; Aug. 28; v. 241; p. 1076.
- Marchewczyk, Wojciech, Chicago, Ill. Safety-envelop. No. 1,220,869; Mar. 27; v. 236; p. 1142.
- Marclille, Flora L., Thorold, Ontario, Canada. Egg-separator. No. 1,213,120; Jan. 16; v. 234; p. 1014.
- Marcinkowski, Józef, and J. Buñda, Chicago, Ill. Automobile steering attachment and self-starting device. No. 1,224,402; May 1; v. 238; p. 103.

Alphabetical list of patentees—Continued.

- Marconi, Guglielmo, London, England, assignor to Marconi Wireless Telegraph Company of America, New York, N. Y. Transmitting apparatus for use in wireless telegraphy and telephony. No. 1,226,099; May 15; v. 238; p. 777.
- Marconi, Guglielmo, and W. S. Entwistle, London, England, assignors to Marconi Wireless Telegraph Company of America, New York, N. Y. Transformer for high-frequency currents. No. 1,246,973; Nov. 20; v. 244; p. 612.
- Marconi Wireless Telegraph Company of America. (See Butcher, Elmer E., assignor.)
- Marconi Wireless Telegraph Company of America. (See Ewen, Harry A., assignor.)
- Marconi Wireless Telegraph Company of America. (See Marconi, Guglielmo, assignor.)
- Marconi Wireless Telegraph Company of America. (See Marconi and Entwistle, assignors.)
- Marconi Wireless Telegraph Company of America. (See Shoemaker, Harry, assignor.)
- Marconi Wireless Telegraph Company of America. (See Wright, George M., assignor.)
- Marcopoulos, George H., Cleveland, Ohio. Vending-machine. No. 1,228,799; June 5; v. 239; p. 145.
- Marcotte, Eugene J., Salina, Kans. Car-replacer. No. 1,227,288; May 22; v. 238; p. 1216.
- Marcotte, Joseph A., Babylon, N. Y. Mallet attachment for hammers. No. 1,221,344; Apr. 3; v. 237; p. 120.
- Marcowitz, William, New York, N. Y. Bicycle-lamp bracket. No. 1,240,233; Sept. 18; v. 242; p. 546.
- Marcroft, William, Cranston, R. I., assignor, by mesne assignments, to Universal Winding Company, Boston, Mass. Winding-machine. No. 1,236,464; Aug. 14; v. 241; p. 331.
- Marcum, William H. H., Los Angeles, Cal. Window-shade holder and adjuster. No. 1,236,729; Aug. 14; v. 241; p. 420.
- Marcus, Aaron, Brooklyn, assignor to Levy and Marcus, New York, N. Y. Necktie. No. 1,212,237; Jan. 16; v. 234; p. 703.
- Marcus, Charles L., New York, N. Y. Pass-book. No. 1,239,285; Sept. 4; v. 242; p. 182.
- Marcuse, Moses M., assignor to West Disinfecting Company, New York, N. Y. Sheet-delivery receptacle. No. 1,216,713; Feb. 20; v. 235; p. 874.
- Marcy, Frank E., Salt Lake City, Utah. Tube-mill. No. 1,226,555; May 15; v. 238; p. 929.
- Marcy, Frank E., Salt Lake City, Utah. Roller-mill. No. 1,239,286; Sept. 4; v. 242; p. 182.
- Marcy, Lyle B. (See Hart and Marcy.)
- Marden Orth & Hastings Co. (See Peacock, Samuel, assignor.)
- Mardick, John R., New York, N. Y. Nitro aromatic compound and making same. No. 1,225,347; May 8; v. 238; p. 481.
- Marenger, Joseph A., Montreal, Quebec, Canada. Combination brake and block for vehicles. No. 1,220,357; Mar. 27; v. 236; p. 966.
- Marfield, Dwight S., assignor to The Buckeye Products Company, Cincinnati, Ohio. Metal-melting furnace. No. 1,229,494; June 12; v. 239; p. 426.
- Margert, Frank, Milwaukee, Wis. Music-leaf turner. No. 1,248,520; Dec. 4; v. 245; p. 26.
- Marglous, Mayer, St. Louis, Mo. Toe-glove. No. 1,245,253; Nov. 6; v. 244; p. 34.
- Margolis, Louis, New York, N. Y. Sad-iron. No. 1,215,176; Feb. 6; v. 235; p. 241.
- Maricich, Lazo, Chicago, Ill. Swimming appliance. No. 1,221,467; Apr. 3; v. 237; p. 164.
- Marin, William, New York, N. Y. Brackett. No. 1,227,165; May 22; v. 238; p. 1176.
- Marinaro, Nicola M., assignor of one-half to J. Lallo, Montreal, Quebec, Canada. Step-ladder. No. 1,235,711; Aug. 7; v. 241; p. 58.
- Mariner, Joseph A., St. Louis, Mo. Collar-holder. No. 1,214,205; Jan. 30; v. 234; p. 1450.
- Marinka, Eugene, Detroit, Mich. Automobile guard and fender. No. 1,214,049; Jan. 30; v. 234; p. 1399.
- Marinsky, Davis, New York, N. Y. Fastening device. (Reissue.) No. 14,303; May 15; v. 238; p. 953.
- Marion, Frank, assignor of seventeen twenty-fourths to F. T. Taylor, and one-twelfth to V. W. Rand, Hardwick, Vt. Rotary engine. No. 1,219,829; Mar. 20; v. 236; p. 742.
- Marion Steam Shovel Co., The. (See Fellmeth, Jacob W., assignor.)
- Marion Steam Shovel Company, The. (See King, Jacoby, and Johnson, assignors.)
- Marion Steam Shovel Company, The. (See Weston, Clarence B., assignor.)
- Maris, Anna P., et al. (See Maris, Frank and C. E., assignors.)
- Maris, Charles E. (See Maris, Frank and C. E.)
- Maris, Elizabeth P., et al. (See Maris, Frank and C. E., assignors.)
- Maris, Frank and C. E., assignors to A. P. and E. P. Maris, Lansdowne, Pa. Hoisting mechanism. No. 1,212,981; Jan. 16; v. 234; p. 967.
- Mark, Clayton. (See Dies, Charles A., assignor.)
- Mark, Clayton. (See Mark and Bergman, assignors.)
- Mark, Clarence, and C. O. Bergman, Evanston, assignors to C. Mark, Lake Forest, Ill. Mechanism for welding pipe by electricity. No. 1,226,350; May 15; v. 238; p. 865.
- Mark Cross Company. (See Schwing, Henrietta, assignor.)
- Mark, John G., New York, N. Y. Printing-machine. No. 1,216,150; Feb. 13; v. 235; p. 626.
- Mark, John G., Niles, Mich. Game apparatus. No. 1,212,794; Jan. 16; v. 234; p. 902.
- Mark, Lars H., Torquay, Saskatchewan, Canada. Door-opening device. No. 1,248,364; Nov. 27; v. 244; p. 1042.
- Mark Manufacturing Company. (See Fox, Gordon, assignor.)
- Mark Manufacturing Company. (See Rateike, Charles J., assignor.)
- Markee, Reuel T., and J. R. Fought, assignors to J. R. Fought, Philadelphia, Pa. Butter-mixer. No. 1,232,356; July 3; v. 240; p. 274.
- Markel, Edwin M., Des Moines, Iowa. Machine for subjecting air to certain light-rays. No. 1,249,982; Dec. 11; v. 245; p. 480.
- Markem Machine Company. (See Putnam, Fred A., assignor.)
- Markem Machine Company. (See Putnam and Robbins, assignors.)
- Marker, Charles G., Denver, Colo. Shoe-stretcher. No. 1,229,998; June 12; v. 239; p. 592.
- Markham Air Rifle Company, The. (See Greenleaf and Roe, assignors.)
- Markham, Burtis O. (See Evans and Dutt, assignors.)
- Markham, Edwin J., Watrous, Saskatchewan, Canada. Lamp-heater. No. 1,231,404; June 26; v. 239; p. 1139.
- Markko, John E. (See Sundell and Markko.)
- Markkula, Victor, Aberdeen, Wash. Weather-vane indicator. No. 1,219,126; Mar. 13; v. 236; p. 468.
- Markley, Daniel R., Lancaster, Pa. Eraser attachment for fountain-pens. No. 1,218,948; Mar. 13; v. 236; p. 408.
- Markley, John E. (See Dam and Markley.)
- Markmann, Daniel H., St. Louis, Mo. Velocipede-horse. No. 1,217,198; Feb. 27; v. 235; p. 1083.
- Markowitz, Benjamin. (See Kipniss and Neumann, assignors.)
- Markowitz, Benjamin, Rockville Center, N. Y. Pivoted handle for suitcases. No. 1,223,503; Apr. 24; v. 237; p. 977.
- Markowitz, Benjamin, Rockville Center, N. Y. Handle for traveling-bags or suitcases. No. 1,223,504; Apr. 24; v. 237; p. 978.
- Marks, Albert, et al. (See Grove, Edward H., assignor.)
- Marks, Albert G., Hoult, assignor of one-half to M. C. Hite, Rivesville, W. Va. Combined nut-lock and rail-brace. No. 1,228,462; June 5; v. 239; p. 30.
- Marks, Donn O., San Francisco, assignor of one-half to L. S. Atkinson, Los Angeles, Cal. Centrifugal impact pulverizing apparatus. No. 1,228,338; May 29; v. 238; p. 1594.
- Marks, Elisha S., Detroit, Mich. Metallic shipping-shoe. No. 1,235,356; July 31; v. 240; p. 1372.
- Marks, John C., Chicago, Ill. Growing-trough. No. 1,222,648; Apr. 17; v. 237; p. 651.
- Marks, Joseph E. (See Marks, Smead, and Marks.)
- Marks, Lourissa G., Perry, Iowa. Vehicle-tire and producing same. No. 1,250,920; Dec. 18; v. 245; p. 798.
- Marks, Mose, Berkeley, Cal. Fruit-stand. No. 1,217,038; Feb. 20; v. 235; p. 983.
- Marks, Paul J., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutter. No. 1,214,699; Feb. 6; v. 235; p. 77.
- Marks, Paul J., assignor to Eastman Kodak Company, Rochester, N. Y. Shutter-operating device. No. 1,214,700; Feb. 6; v. 235; p. 77.
- Marks, Paul J., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutter. No. 1,234,061; July 17; v. 240; p. 896.
- Marks, Paul J., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutter. No. 1,238,422; Aug. 28; v. 241; p. 1034.
- Marks, Paul J., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutter. No. 1,239,025; Sept. 4; v. 242; p. 98.
- Marks, Paul J., assignor to Eastman Kodak Company, Rochester, N. Y. Controlling mechanism for photographic shutters. No. 1,240,073; Sept. 11; v. 242; p. 450.
- Marks, Paul J., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutter. No. 1,243,086; Oct. 16; v. 243; p. 591.
- Marks, William A., F. Smead, and J. E. Marks, New York, N. Y. Valve. No. 1,232,949; July 10; v. 240; p. 501.
- Markun, Mollie, New York, N. Y. Gymnasium-skirt. No. 1,226,100; May 15; v. 238; p. 778.
- Markus, George, New York, N. Y. Clothes-wringer cabinet. No. 1,247,306; Nov. 20; v. 244; p. 707.
- Markwardt, Gustave P., Winona, Minn. Vehicle-spring jack. No. 1,239,499; Sept. 11; v. 242; p. 277.
- Markwell, Andrew E., assignor to A. D. Evans, Fort Worth, Tex. Matrix molding device. No. 1,226,557; May 15; v. 238; p. 930.
- Markwell, Andrew E., assignor to A. D. Evans, Fort Worth, Tex. Matrix molding device. No. 1,226,556; May 15; v. 238; p. 929.

- Markwell, Andrew E., assignor of three-fourths to C. W. Hanson, Fort Worth, and one-fourth to A. D. Evans, Tarrant county, Tex., and G. W. Ittner, St. Louis, Mo. Matrix broach-molding device. No. 1,218,680; Mar. 13; v. 236; p. 311.
- Marky, William, Buffalo, N. Y. Brake mechanism for railway-cars. No. 1,242,360; Oct. 9; v. 243; p. 323.
- Marland, Benjamin, Chicago, Ill. Casing salting and skining machine or the like. No. 1,248,521; Dec. 4; v. 245; p. 27.
- Marlatt, George E., Pasadena, Cal. Pig-feeding apparatus for linotype-machines. No. 1,215,677; Feb. 13; v. 235; p. 456.
- Marlatt, George E., Pasadena, Cal. Type-casting mechanism for linotype-machines. No. 1,249,158; Dec. 4; v. 245; p. 210.
- Marley, Guy C., Fort Madison, Iowa. Vehicle-brake. No. 1,233,383; July 17; v. 240; p. 677.
- Marley, Homer P. (See Richards and Marley.)
- Marlin Arms Corporation. (See Barlow, Lester P., assignor.)
- Marlin, Elmer E., Detroit, Mich. Clutch. No. 1,237,932; Aug. 21; v. 241; p. 840.
- Marlin, Isaac U., assignor, by mesne assignments, to G. T. and L. T. Cunningham, Shreveport, La. Welding-torch. No. 1,228,038; May 29; v. 238; p. 1497.
- Marong, Michael P., Rock Glen, N. Y. Motor-sleigh. No. 1,229,999; June 12; v. 239; p. 592.
- Marouke, Missak, assignor to H. F. Reitz, Louisville, Ky. Filling material for teeth. No. 1,215,678; Feb. 13; v. 235; p. 457.
- Marovitch, Frank, Nelson, British Columbia, Canada. Drilling-machine. No. 1,217,617; Feb. 27; v. 235; p. 1232.
- Marquardt, Charles J. (See Knaack and Marquardt.)
- Marquardt, Louis H., Genoa, Neb. Ironing-board. No. 1,227,640; May 29; v. 238; p. 1361.
- Marquardt, Reinhold G., and O. H. Stuewe, Milwaukee, Wis. Mattress-guard. No. 1,219,655; Mar. 20; v. 236; p. 682.
- Marquart, Fred, Sandusky, Ohio. Adjustable revolving display-rack. No. 1,246,633; Nov. 13; v. 244; p. 477.
- Marquis, Alexander G., assignor of one-third to F. Keiper and one-third to G. W. Roges, Rochester, N. Y. Tempo-controller for piano-players. No. 1,217,323; Feb. 27; v. 235; p. 1125.
- Marquis, Joseph L., Buffalo, N. Y. Blue-print machine. No. 1,246,974; Nov. 20; v. 244; p. 612.
- Marr, Alexander, Manchester, England. Telephone-exchange plug. No. 1,237,858; Aug. 21; v. 241; p. 659.
- Marr, Franklin S., and H. R. Miller, Canton, Ill. Chair-seat. No. 1,212,657; Jan. 16; v. 234; p. 855.
- Marr, Walter L., Flint, Mich. Fuel-supply system. No. 1,236,730; Aug. 14; v. 241; p. 421.
- Marr, Winfield S., Hildreth, and J. E. Nelson, Holdrege, Nebr. Necktie-adjuster. No. 1,230,000; June 12; v. 239; p. 593.
- Marresford, William F. (See Diehl, Robert, assignor.)
- Marresford, William F., Brooklyn, N. Y. Machine for making cut-out wall-paper. No. 1,223,892; Apr. 24; v. 237; p. 1115.
- Marresford, William F., Brooklyn, N. Y. Machine for making wall-paper cut-outs. No. 1,223,893; Apr. 24; v. 237; p. 1115.
- Marrinan, Honora C., St. Paul, Minn. Electric bath-cabinet. No. 1,241,234; Sept. 25; v. 242; p. 890.
- Marrington, Jesse M., Nemaha, Iowa. Seed-corn stringer. No. 1,227,059; May 22; v. 238; p. 1139.
- Marriott, Fred H., Watertown, Mass. Burner-tube cleaner. No. 1,251,074; Dec. 25; v. 245; p. 893.
- Marriott, Harry H., and D. K. Wade, Okmulgee, Okla. Sign. No. 1,237,359; Aug. 21; v. 241; p. 659.
- Marrow, William C., et al. (See Mechau, Frederick A., assignor.)
- Mars, Jesse B., and N. Stramaglia, Gary, Ind. Non-refillable bottle. No. 1,239,803; Sept. 11; v. 242; p. 374.
- Marschke, Fredrich W. (See Marschke, William A. and F. W.)
- Marschke, Fredrich W. and W. A., Indianapolis, Ind. Snap-switch. No. 1,229,635; June 12; v. 239; p. 474.
- Marschke, William A. (See Marschke, Fredrich W. and W. A.)
- Marschke, William A. and F. W., Indianapolis, Ind. Controller. No. 1,221,345; Apr. 3; v. 237; p. 121.
- Marsden, Arlow G., Fort Atkinson, Wis. Resilient wheel. No. 1,241,235; Sept. 25; v. 242; p. 890.
- Marsden, Benjamin F., Plad, Mo. Ironing and pressing board. No. 1,239,928; Sept. 11; v. 242; p. 415.
- Marsden, John E., Philadelphia, Pa. Vase-holder. No. 1,226,101; May 15; v. 238; p. 778.
- Marsden, John E., Philadelphia, Pa. Window-regulator. No. 1,229,769; June 12; v. 239; p. 519.
- Marsden, John E., Philadelphia, Pa. Weatherproofing structure. No. 1,249,651; Dec. 11; v. 245; p. 383.
- Marsden, Mark W., Philadelphia, Pa. Obturnating material and making same. No. 1,235,220; July 31; v. 240; p. 1331.
- Marsden, Mark W., Philadelphia, Pa. Machine for pulling cotton-plants. No. 1,248,365; Nov. 27; v. 244; p. 1042.
- Marsden, Mark W., Logan Station, Pa. Treating vegetable substances for the recovery of their values. No. 1,251,261; Dec. 25; v. 245; p. 947.
- Marsden, Mark W., assignor to The Economic Power and Products Company, Philadelphia, Pa. Treating the cotton-plant for the recovery of its values. No. 1,229,181; June 5; v. 239; p. 271.
- Marselles Company. (See Adams, Alonzo T., assignor.)
- Marselles Company. (See Brown, Theophilus, assignor.)
- Marselles Company. (See Jirdinston, William C., assignor.)
- Marsh, Albert L., assignor to Hoskins Manufacturing Company, Detroit, Mich. Metal utensil. No. 1,229,770; June 12; v. 239; p. 519.
- Marsh and Company, C. A. (See Rounseville, William E., assignor.)
- Marsh, Bert, Twin Falls, Idaho. Check-holder. No. 1,243,326; Oct. 16; v. 243; p. 662.
- Marsh-Capron Manufacturing Company. (See Mosby, Alfred D., assignor.)
- Marsh, Cyrus, Ashland, Va. Nutcracker. No. 1,219,830; Mar. 20; v. 236; p. 742.
- Marsh, Harry S., Brooklyn, assignor to American Machine & Foundry Company, New York, N. Y. Expanding pulley. No. 1,224,558; May 1; v. 238; p. 159.
- Marsh, John, Chicago, Ill. Container. No. 1,239,417; Sept. 4; v. 242; p. 222.
- Marsh, John H., Oshkosh, Wis. Device for stretching wire-fabric bed-springs. No. 1,247,857; Nov. 27; v. 244; p. 900.
- Marsh, John T., Jamestown, N. Y. Self-closing faucet. No. 1,235,221; July 31; v. 240; p. 1331.
- Marsh, Lucien A., San Francisco, Cal. Multiple-control valve. No. 1,216,243; Feb. 13; v. 235; p. 658.
- Marsh, Luther, Philadelphia, Pa. Adjustable alligator-wrench. No. 1,226,351; May 15; v. 238; p. 865.
- Marsh, Richard B., assignor to Hale and Kilburn Company, Philadelphia, Pa. Car-seat. No. 1,212,533; Jan. 16; v. 234; p. 808.
- Marsh, Richard B., assignor to Hale and Kilburn Company, Philadelphia, Pa. Car-seat. No. 1,232,588; July 10; v. 240; p. 382.
- Marsh Valve Company. (See Marsh, William C., assignor.)
- Marsh, William C., assignor to Marsh Valve Company, Erie, Pa. Valve. No. 1,223,326; Apr. 17; v. 237; p. 880.
- Marsh, William C., assignor to Marsh Valve Company, Erie, Pa. Valve. No. 1,223,327; Apr. 17; v. 237; p. 880.
- Marsh, William J., Dexter, Iowa. Animal-oiling device. No. 1,225,456; May 8; v. 238; p. 518.
- Marshall, Arthur J., Cincinnati, Ohio. Handle for caskets. No. 1,213,671; Jan. 23; v. 234; p. 1239.
- Marshall, C. C., et al. (See Lamp, Arthur W., assignor.)
- Marshall, Carrie A., Whitewater, Wis. Sign. No. 1,224,480; May 1; v. 238; p. 131.
- Marshall, Charles M., trustee. (See Kries, Lawrence F., assignor.)
- Marshall, Charles P., Watertown, N. Y. Tone-purifier for talking-machines. No. 1,214,050; Jan. 30; v. 234; p. 1399.
- Marshall, Charles P., Watertown, N. Y. Tone-purifier. No. 1,231,277; June 26; v. 239; p. 1096.
- Marshall, Charles P., Watertown, N. Y. Counterbalance. No. 1,235,041; July 31; v. 240; p. 1279.
- Marshall, David E., Kansas City, Mo. Apparatus for disintegrating shavings. No. 1,211,736; Jan. 9; v. 234; p. 498.
- Marshall, Edward E., Philadelphia, Pa. Preheating of air for hot-blast stoves of blast-furnaces. No. 1,217,039; Feb. 20; v. 235; p. 984.
- Marshall, Ernest H., Montezuma, Iowa. Lifting-jack. No. 1,223,995; Apr. 24; v. 237; p. 1148.
- Marshall Foundry Company, The. (See Abel and Davies, assignors.)
- Marshall, George D., Kokomo, Ind. Intra-uterine dilating-pessary. No. 1,223,284; Apr. 17; v. 237; p. 866.
- Marshall, George M., Woodlands, Manitoba, Canada. Mold for building-blocks. No. 1,219,127; Mar. 13; v. 236; p. 469.
- Marshall, George M., Lake Francis, Manitoba, Canada. Mold for building-blocks. No. 1,220,526; Mar. 27; v. 236; p. 1025.
- Marshall, George R., Hunkers, Pa. Mail-catcher. No. 1,227,473; May 22; v. 238; p. 1274.
- Marshall, Harry E., Detroit, Mich. Climber for linemen. No. 1,243,436; Oct. 16; v. 243; p. 694.
- Marshall, Ianthus E., Richmond, Cal. Expansible hasp. No. 1,222,649; Apr. 17; v. 237; p. 651.
- Marshall, John I. (See Faulds, John, assignor.)
- Marshall, John W., Connellsville, Pa., assignor to The Marshall Methods Corporation, New York, N. Y. Payroll, ledger, account or time book sheet. No. 1,215,831; Feb. 13; v. 235; p. 510.
- Marshall, Joseph B., Bridgeport, Conn., assignor to Rex Talking Machine Corporation, Wilmington, Del. Talking-machine. No. 1,219,753; Mar. 20; v. 236; p. 715.
- Marshall, Joseph W., Kansas City, Mo. Refrigerator construction. No. 1,215,948; Feb. 13; v. 235; p. 552.
- Marshall, Matthew Sr., Vancouver, British Columbia, Canada. Coking-oven. No. 1,227,060; May 22; v. 238; p. 1139.
- Marshall, Matthew Sr., Port Coquitlam, British Columbia, Canada. Coke-producing and by-product-recovery method. No. 1,248,883; Dec. 4; Gaz. vol. 245; p. 135.

Alphabetical list of patentees—Continued.

- Marshall Methods Corporation, The. (See Marshall, John W., assignor.)
- Marshall, Norman, West Newton, Mass. Electric insulator. No. 1,217,873; Feb. 27; v. 235; p. 1317.
- Marshall, Sylvester, Athens, Ohio. Grading or separating machine. No. 1,228,800; June 5; v. 239; p. 146.
- Marshall Ventilated Mattress Company. (See Genge, Frederick C., assignor.)
- Marshall, Wallace, La Fayette, Ind. Reel-handling truck. No. 1,231,040; June 26; v. 239; p. 1017.
- Marshall, Walter D., assignor to Eastman Kodak Company, Rochester, N. Y. Camera. No. 1,235,222; July 31; v. 240; p. 1331.
- Marshall, William E., Maspeth, N. Y. Check-indorsing machine. No. 1,244,524; Oct. 30; v. 243; p. 1096.
- Marshall, William J., Newark, N. J., assignor to H. Maimin Co., Inc. Lamp-support and terminal for cloth-cutting machines. No. 1,230,311; June 19; v. 239; p. 734.
- Marsico, Jerard R., Brooklyn, N. Y. Mechanical horn. No. 1,237,074; Aug. 14; v. 241; p. 531.
- Marsolais, Joseph F., Framingham, assignor to Worcester Flexible Tubing Company, Worcester, Mass. Tool-holder. No. 1,215,830; Feb. 13; v. 235; p. 510.
- Marston, Albert D., Whiting, Kans. Gearing for slicing-machines or the like. No. 1,228,578; June 5; v. 239; p. 69.
- Marston, George F., Pomona, Cal. Combined tire-valve and pressure-governor. No. 1,246,131; Nov. 13; v. 244; p. 325.
- Marston, Henry C., Goshen, N. Y. Package sealer and fastener. No. 1,219,831; Mar. 20; v. 236; p. 743.
- Marston, Howard F. (See Brannon, Albert, assignor.)
- Marston, Howard F., assignor to Mercantile Corporation, Dayton, Ohio. Composition carrier or holder. No. 1,214,051; Jan. 30; v. 234; p. 1399.
- Marston, William P., Jr., Lake Crystal, Minn. Combination statement and check book. No. 1,245,483; Nov. 6; v. 244; p. 101.
- Martel, Napoleon, and J. E. Rascoe, assignors of one-third to S. S. Kempner, Plattsburg, N. Y. Self-heating soldering-iron. No. 1,230,915; June 26; v. 239; p. 972.
- Martell, Albert A., assignor to The Taft-Peirce Manufacturing Company, Woonsocket, R. I. Tool for aligning and finishing shaft-bearings and the like. (Reissue.) No. 14,311; June 5; v. 239; p. 283.
- Martelli, John B., New York, N. Y. Ice-pick scabbard. No. 1,237,075; Aug. 14; v. 241; p. 531.
- Marten, Adolf F. (See Grundy and Marten.)
- Marten Freeman Company. (See Marten, Thomas H., assignor.)
- Marten, Henry F., H. Grahm, and J. C. Andresen, San Francisco, Cal. Stave steaming and drying apparatus. No. 1,250,480; Dec. 18; v. 245; p. 667.
- Marten, Thomas H., New York, N. Y., assignor to Marten Freeman Company, Limited, Toronto, Ontario, Canada. Ship's davit. No. 1,245,752; Nov. 6; v. 244; p. 184.
- Martenette, Francis L., Chico, Cal. Almond-buller. No. 1,230,001; June 12; v. 239; p. 593.
- Martijn, Hendrikus. (See Van Calcar, Ellerman, and Martijn.)
- Martin, A. Vere. (See Schlehr, Joseph A., assignor.)
- Martin, Albert J., New Orleans, La. Meat-clamp. No. 1,215,950; Feb. 13; v. 235; p. 553.
- Martin, Alfred, Rockford, Ill. Furnace. No. 1,224,190; May 1; v. 238; p. 27.
- Martin, Andrew, New York, N. Y. Window-cleaner. No. 1,219,977; Mar. 20; v. 236; p. 793.
- Martin, Archibald J. (See Frick and Martin.)
- Martin, Charles H., Springfield, Mass. Tractor. No. 1,223,505; Apr. 24; v. 237; p. 978.
- Martin, Charles L., assignor of one-half to C. N. Howard, Los Angeles, Cal. Sash-weight. No. 1,239,418; Sept. 4; v. 242; p. 222.
- Martin, Christian H. (See Gammeter and Martin.)
- Martin, Christian H., assignor to J. R. Gammeter, Akron, Ohio. Piano-bench. No. 1,223,086; Apr. 17; v. 237; p. 801.
- Martin, Christian H., assignor to J. R. Gammeter, Akron, Ohio. Piano-bench. No. 1,231,041; June 26; v. 239; p. 1017.
- Martin, Claude F., Paxton, Ill. Letter-holder. No. 1,220,251; Mar. 27; v. 236; p. 927.
- Martin, Duane P., Pittsburg, Kans. Nail-driving machine. No. 1,237,360; Aug. 21; v. 241; p. 659.
- Martin, Edgar C., Central, S. C., assignor to Pratt and Cady Company, Incorporated, Hartford, Conn. Cutting or welding blowpipe. No. 1,237,534; Aug. 21; v. 241; p. 715.
- Martin, Edgar C., Central, S. C., assignor to Pratt and Cady Company, Incorporated, Hartford, Conn. Welding and cutting blowpipe. No. 1,237,535; Aug. 21; v. 241; p. 716.
- Martin, Ernest S., assignor to L. A. Nichols, Chicago, Ill. Leveling-rod. No. 1,220,358; Mar. 27; v. 236; p. 967.
- Martin, Felix E. (See Brooks and Martin.)
- Martin, Francis, San Francisco, Cal. Davenport. No. 1,223,285; Apr. 17; v. 237; p. 866.
- Martin, Frank D., Chester, Vt. Tooth-gage device for circular saws. No. 1,240,074; Sept. 11; v. 242; p. 456.
- Martin, Frank P., Williamsburg, Kans. Road-drag. No. 1,217,475; Feb. 27; v. 235; p. 1179.
- Martin, George A. (See Breen and Martin.)
- Martin, George C., assignor to J. M. Carson, Los Angeles, Cal. Automatic signal device. No. 1,215,042; Feb. 6; v. 235; p. 198.
- Martin, George C., assignor to J. M. Carson, Los Angeles, Cal. Gong mechanism for automatic signals. No. 1,217,476; Feb. 27; v. 235; p. 1179.
- Martin, George H., assignor of one-half to F. E. Huntress, Newton, Mass. Antiskid device. No. 1,231,181; June 26; v. 239; p. 1065.
- Martin, George W., Paris, Tex. Folding coop. No. 1,231,042; June 26; v. 239; p. 1018.
- Martin, Glenn L., assignor to Glenn L. Martin Company, Los Angeles, Cal. Flying-boat. No. 1,239,500; Sept. 11; v. 242; p. 277.
- Martin, Haakon A., assignor to The National Cash Register Company, Dayton, Ohio. Multiple-total-printing cash-register. No. 1,214,568; Feb. 6; v. 235; p. 29.
- Martin, Haakon A., assignor to The National Cash Register Company, Dayton, Ohio. Locking mechanism for cash-registers. No. 1,215,567; Feb. 13; v. 235; p. 416.
- Martin, Haakon A., assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,226,682; May 22; v. 238; p. 1009.
- Martin, Haakon A., assignor to The National Cash Register Company, Dayton, Ohio. Multiple-counter cash-register. No. 1,232,705; July 10; v. 240; p. 420.
- Martin, Haakon A., assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,233,492; July 17; v. 240; p. 713.
- Martin, Haakon A., assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,240,234; Sept. 18; v. 242; p. 547.
- Martin, Haakon A., assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,244,063; Oct. 23; v. 243; p. 920.
- Martin, Harold T., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone apparatus. No. 1,250,921; Dec. 18; v. 245; p. 799.
- Martin, Harry, St. Louis, Mo. Caster. No. 1,224,765; May 1; v. 238; p. 231.
- Martin, Harry E. (See Boswell and Martin.)
- Martin, Harry S., Boston, Mass., assignor to Choralcelo Company. Electric musical instrument. No. 1,216,829; Feb. 20; v. 235; p. 913.
- Martin, Hermann F., Lexington, Tenn. Dispensing-receptacle. No. 1,230,498; June 19; v. 239; p. 796.
- Martin, Homer V., Lincoln, Nebr. Guide-file. No. 1,221,884; Apr. 10; v. 237; p. 340.
- Martin, James L., Crowell, Tex. Window-operating device. No. 1,217,040; Feb. 20; v. 235; p. 984.
- Martin, Jerry M., Burkeville, Tex., assignor of one-half to R. I. Hancock. Rotary engine. No. 1,231,769; July 3; v. 240; p. 78.
- Martin, Jesse C., San Francisco, Cal. Journal-lubricator. No. 1,234,367; July 24; v. 240; p. 1033.
- Martin, John, Clifton, England, assignor to General Electric Company. Regulating arrangement for dynamo-electric machines. No. 1,220,763; Mar. 27; v. 236; p. 1105.
- Martin, John A., assignor of one-half to J. H. Woodard, Spokane, Wash. Safety elevator mechanism. No. 1,221,885; Apr. 10; v. 237; p. 341.
- Martin, John D. (See Kuhn and Martin.)
- Martin, John D., Owensboro, Ky. Road-grader. No. 1,213,672; Jan. 23; v. 234; p. 1239.
- Martin, John F., et al. (See Noah, Robert S., assignor.)
- Martin, John W., Pittsburg, Pa. Pneumatic wheel. No. 1,216,714; Feb. 20; v. 235; p. 874.
- Martin, Leonard D., Marinette, Wis. Cigar-case. No. 1,222,435; Apr. 10; v. 237; p. 534.
- Martin, Milford B., Spokane, Wash. Print-drying apparatus. No. 1,240,468; Sept. 18; v. 242; p. 620.
- Martin, Milford B., Spokane, Wash. Cabinet. No. 1,244,879; Oct. 30; v. 243; p. 1205.
- Martin, Olaf O., Portland, Oreg., assignor to Elliott-Fisher Company, Harrisburg, Pa. Computing mechanism. No. 1,234,368; July 24; v. 240; p. 1033.
- Martin, Patrick A., and J. Stanley, Birmingham, England. Golf and other playing-ball. No. 1,242,832; Oct. 9; v. 243; p. 474.
- Martin, Perry S., Broadway, Va. Incubator-alarm. No. 1,213,798; Jan. 23; v. 234; p. 1281.
- Martin, Perry S., Broadway, assignor, by mesne assignments, to Newtown Giant Incubator Corporation, Harrisonburg, Va. Heating device. No. 1,236,731; Aug. 14; v. 241; p. 421.
- Martin, Philip S., Clayton, Mo. Grease-retainer. No. 1,218,439; Mar. 6; v. 236; p. 191.
- Martin, Ralph W., Bellevue borough, Pa. Moving-picture machine. No. 1,241,869; Oct. 2; v. 243; p. 127.
- Martin, Rhetherford B., assignor to Minerals Separation North American Corporation, New York, N. Y. Ore concentration. No. 1,236,856; Aug. 14; v. 241; p. 461.
- Martin, Rhetherford B., assignor to Minerals Separation North American Corporation, New York, N. Y. Ore concentration. No. 1,236,857; Aug. 14; v. 241; p. 461.
- Martin, Richard, Alameda, Cal. Shock-absorber. No. 1,213,523; Jan. 23; v. 234; p. 1188.
- Martin, Richard, Minneapolis, Minn. Vapor-heating system. No. 1,224,559; May 1; v. 238; p. 159.

- Martin, Robert D., Humble, Tex. Drill-bit for wells. No. 1,211,331; Jan. 2; v. 234; p. 327.
- Martin, Robert P. (See Kollock and Martin.)
- Martin, Samuel H., Chicago, Ill. Synchronous dynamo-electric machine. No. 1,226,901; May 22; v. 238; p. 1083.
- Martin, Silas W., Oglesby, Tex. Bedstead. No. 1,245,484; Nov. 6; v. 244; p. 102.
- Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Telephone-exchange supervisory system. No. 1,217,477; Feb. 27; v. 235; p. 1180.
- Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Telephone system. No. 1,219,656; Mar. 20; v. 236; p. 682.
- Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone switching apparatus. No. 1,221,346; Apr. 3; v. 237; p. 121.
- Martin, Talbot G., Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Company. Common-battery automatic telephone system. No. 1,223,506; Apr. 24; v. 237; p. 978.
- Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Telephone system. No. 1,227,474; May 22; v. 238; p. 1275.
- Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Telephone-exchange system. No. 1,236,858; Aug. 14; v. 241; p. 461.
- Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,236,859; Aug. 14; v. 241; p. 462.
- Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Telephone-exchange automatic trunking system. No. 1,238,039; Aug. 21; v. 241; p. 875.
- Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. No. 1,243,749; Oct. 23; v. 243; p. 824.
- Martin, Talbot G., assignor, by mesne assignments, to Automatic Electric Company, Chicago, Ill. Two-wire automatic telephone system. No. 1,249,159; Dec. 4; v. 245; p. 210.
- Martin, Thomas, Homestead, Pa. Combination-tool. No. 1,217,801; Feb. 27; v. 235; p. 1294.
- Martin, Thomas, Dorchester, assignor to W. B. Arnold, North Abington, Mass. Apparatus for cutting wetting. No. 1,228,365; May 29; v. 238; p. 1604.
- Martin, Thomas H. (See Cleaver and Martin.)
- Martin, Thomas J. (See Rogers, Edmund, assignor.)
- Martin, Victor H. G. (See Maitre and Martin.)
- Martin, Walter S., Canton, N. C. Sealing-wax torch. No. 1,217,324; Feb. 27; v. 235; p. 1125.
- Martin, William D., and D. T. Bjork, Chicago, Ill. Delivery-box. No. 1,224,766; May 1; v. 238; p. 231.
- Martin, William T., Rockville, Md. Post-hole-digging machine. No. 1,220,527; Mar. 27; v. 236; p. 1025.
- Martin, Wirt A. (See Robertson, John A., assignor.)
- Martindale, Constantine S., Chippewa Falls, Wis., assignor of one-third to D. L. Martindale, Kimmel, Ind. Gate. No. 1,250,922; Dec. 18; v. 245; p. 799.
- Martindale, Daniel L. (See Martindale, Constantine S., assignor.)
- Martindale, Frank L., Bay City, Mich. Recorder. No. 1,244,113; Oct. 23; v. 243; p. 935.
- Martineau, Clarence R. (See Martineau, William C. and C. R.)
- Martineau, Clarence R., *et al.* (See Schroer, Hans R., assignor.)
- Martineau, Francis L. (See Hele-Shaw and Martineau.)
- Martineau, William C., *et al.* (See Schroer, Hans R., assignor.)
- Martineau, William C. and C. R., Albany, N. Y. Haspmounting. No. 1,231,278; June 26; v. 239; p. 1096.
- Martineau, William C. and C. R., assignors to Playthings Corporation, Albany, N. Y. Toy. No. 1,231,770; July 3; v. 240; p. 78.
- Martinez, Frank A., Conejos, Colo. Stone-rake. No. 1,243,327; Oct. 16; v. 243; p. 662.
- Martinez-Silva, Luis, Bogota, Colombia. Automatic mechanism for firearms. No. 1,233,096; July 10; v. 240; p. 547.
- Martinez, Victorino, Habana, Cuba. Electric-lamp holder. No. 1,226,558; May 15; v. 238; p. 930.
- Martini, Andrew A., Buffalo, N. Y. Medicine device. No. 1,211,737; Jan. 9; v. 234; p. 498.
- Martini, Ceasar, assignor to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Automatic violin-piano. No. 1,228,339; May 29; v. 238; p. 1595.
- Martini, Edouard J. M., Paris, France. Drying apparatus. No. 1,215,951; Feb. 13; v. 235; p. 553.
- Martini & Hüneke Maschinenbau Aktien-Gesellschaft. (See Hurlbrink, Ernst, assignor.)
- Martini, Otto A., Brooklyn, assignor to Underwood Type-writer Company, New York, N. Y. Type-writing machine. No. 1,227,061; May 22; v. 238; p. 1140.
- Martino, Eugene R., Brooklyn, N. Y. Controlling-pedal. No. 1,246,634; Nov. 13; v. 244; p. 478.
- Martinsen, Ottocar H., assignor by mesne assignments to C. B. Furness, New York, N. Y. Forming printing-bodies. No. 1,219,472; Mar. 20; v. 236; p. 617.
- Martinson, Fred, Hydro, Mont. Collapsible churn-frame. No. 1,250,923; Dec. 18; v. 245; p. 799.
- Martiny, John P., Big Rapids, Mich. Antiskid device for auto-tires. No. 1,225,839; May 15; v. 238; p. 688.
- Martiny, John P., and S. Thon, Big Rapids, Mich. Power transmission. No. 1,249,160; Dec. 4; v. 245; p. 211.
- Martuccio, Sebastiano, New York, N. Y. Gas-burning range. No. 1,215,679; Feb. 13; v. 235; p. 457.
- Martus, Martin L. (See Schoenmehl and Martus.)
- Marty, Bartley N., Lakewood, Ohio. Automatic baseball-pitching machine. No. 1,211,738; Jan. 9; vol. 234; p. 498.
- Marty, John M., Cleveland, Ohio. Sash-lock. No. 1,250,924; Dec. 18; v. 245; p. 799.
- Marty, Joseph J., Boston, Mass. Safety locking device for machinery. No. 1,250,925; Dec. 18; v. 245; p. 800.
- Martyn, David L., North Yakima, Wash. Multitime separator and distributor. No. 1,243,852; Oct. 23; v. 243; p. 857.
- Martyn, David L., North Yakima, Wash. Electric annunciating system. No. 1,245,485; Nov. 6; v. 244; p. 102.
- Martz, Randolph N., Frederick, Md. Coupling for hose and pipes. No. 1,217,041; Feb. 20; v. 235; p. 985.
- Martz, Randolph N., assignor to C. C. Carly, Frederick, Md. Hose-coupling. No. 1,238,928; Sept. 4; v. 242; p. 66.
- Marui, Hyokichi. (See Marui, Marie H. and H.)
- Maruna, Michael J. (See Cooper, Walter J., assignor.)
- Marusawa, Tsuneya, Fukuoka, Japan. Manufacturing paper-pulp. No. 1,244,525; Oct. 30; v. 243; p. 1096.
- Marvel Accessories Manufacturing Company, The. (See Rose, Jacob B., assignor.)
- Marvel, Harvey E., Warsaw, Ind. Safety attachment for punch-presses. No. 1,238,548; Aug. 28; v. 241; p. 1076.
- Marvel, Theodore L., Taunton, Mass. Toe-nail protector. No. 1,213,673; Jan. 23; v. 234; p. 1240.
- Marvin, Cornelius J., assignor to The Braun Corporation, Los Angeles, Cal. Generating hydrocyanic-acid gas. No. 1,214,206; Jan. 30; v. 234; p. 1451.
- Marvin, Cornelius J., assignor to The Braun Corporation, Los Angeles, Cal. Gas-generating apparatus. No. 1,222,782; Apr. 17; v. 237; p. 696.
- Marvin, Delos R., *et al.* (See Smith and Brandon, assignors.)
- Marvin, Richard H., assignor to The R. Thomas and Sons Company, East Liverpool, Ohio. Insulator. No. 1,245,940; Nov. 6; v. 244; p. 240.
- Marvin, Richard H., Schenectady, N. Y., assignor to General Electric Company. Protection of transmission systems. No. 1,247,127; Nov. 20; v. 244; p. 656.
- Marvin, Wallace D., *et al.* (See Smith and Brandon, assignors.)
- Marx, Andrew, Mount Pleasant, Utah. Wheel-runner for wagons, buggies, and automobiles. No. 1,215,832; Feb. 13; v. 235; p. 510.
- Marx, Arthur J., Le Sueur, Minn. Engine. No. 1,231,927; July 3; v. 240; p. 131.
- Marx, Frank J., and B. A. Steinke, Botkins, Ohio; said Steinke assignor to said Marx. Concrete-block mold. No. 1,214,810; Feb. 6; v. 235; p. 112.
- Marx, Gustavus, Pawnee, Okla. Electric-light fixture. No. 1,238,549; Aug. 28; v. 241; p. 1076.
- Marx, Henry C., Chicago, Ill., assignor to The Phonograph Company, East Boston, Mass. Playing device for stringed musical instruments. No. 1,246,635; Nov. 13; v. 244; p. 478.
- Marx, Henry J., Holyoke, Mass., assignor to The American Thread Company, Jersey City, N. J. Stop-motion for drum-spoolers. No. 1,222,962; Apr. 17; v. 237; p. 758.
- Marx, Henry J., Holyoke, Mass., assignor to The American Thread Company, Jersey City, N. J. Drum-winder. No. 1,251,075; Dec. 25; v. 245; p. 893.
- Marx, Joseph A., assignor to Lenmar Manufacturing Company, Saginaw, Mich. Baling-press. No. 1,220,870; Mar. 27; v. 236; p. 1142.
- Marx, Joseph A., and F. E. Holden, assignors to Lenmar Manufacturing Company, Saginaw, Mich. Baling-press. No. 1,212,658; Jan. 16; v. 234; p. 855.
- Marx, Richard, Philadelphia, Pa. Safety device for wringers. No. 1,240,751; Sept. 18; v. 242; p. 706.
- Marx, Richard, assignor to Defiance Manufacturing Company, Philadelphia, Pa. Corn-razor. No. 1,239,419; Sept. 4; v. 242; p. 222.
- Marx, Richard, Philadelphia, assignor to Defiance Manufacturing Company, Summerdale, Pa. Embossing-press. No. 1,240,750; Sept. 18; v. 242; p. 705.
- Marye, Clifford P., South Whitley, Ind., assignor of one-third to W. A. Rosenbaum, trustee, New Rochelle, N. Y. Nut and bolt lock. No. 1,210,507; Jan. 2; v. 234; p. 45.
- Marye, Clifford P., South Whitley, Ind., assignor of one-third to W. A. Rosenbaum, trustee, New Rochelle, N. Y. Tap. No. 1,210,508; Jan. 2; v. 234; p. 45.
- Marye, Clifford P., South Whitley, Ind., assignor of one-third to W. A. Rosenbaum, trustee, New Rochelle, N. Y. Manufacturing nuts. No. 1,210,509; Jan. 2; v. 234; p. 45.
- Maryland Products Company. (See Caven, Trevor M., assignor.)
- Marzi, Giovan B., Cornigliano Ligure, Italy. Microphone with carbon-powder fall for strong currents. No. 1,237,933; Aug. 21; v. 241; p. 841.
- Marzio, Arnaldo, Milan, Italy. Mechanical relieving previous to typographic printing. No. 1,233,799; July 17; v. 240; p. 872.
- Masbach, Robert J. (See Weiss, Adolf, assignor.)
- Mascher, Paul U., East Palestine, Ohio. Ring-gage. No. 1,210,963; Jan. 2; v. 234; p. 203.

Alphabetical list of patentees—Continued.

- Maschinenfabrik Fahr A.-G. (See Fahr, Johann G., assignor.)
- Maschinenfabrik Johannsberg G. m. b. H. (See Olsen, Gulbrand, assignor.)
- Maschinenfabrik Ruti. (See Egli, Ernst, assignor.)
- Masek, Frank W., Cleveland, Ohio. Apparatus for moistening air. No. 1,228,801; June 5; v. 239; p. 146.
- Masek, James, Chicago, Ill. String-holder. No. 1,245,254; Nov. 6; v. 244; p. 34.
- Mask, John L., and T. F. Maddox, Covington, Ga. Fertilizer-distributor. No. 1,238,170; Aug. 28; v. 241; p. 952.
- Maskers, George W., et al. (See Nelson, Robert M., assignor.)
- Maskrey, Alfred E., Canton, Ohio. Pickling-machine. No. 1,247,699; Nov. 27; v. 244; p. 853.
- Maskrey, Arthur J., Canton, Ohio. Roll-polisher. No. 1,212,534; Jan. 16; v. 234; p. 809.
- Maskrey, Arthur J., Canton, Ohio. Roll-polisher. No. 1,212,535; Jan. 16; v. 234; p. 809.
- Masland, Walter E., Philadelphia, Pa., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Pyroxilin composition. No. 1,234,921; July 31; v. 240; p. 1240.
- Maslen, George W., Philadelphia, Pa. Saddle. No. 1,213,674; Jan. 23; v. 234; p. 1240.
- Mason, Alfred N., Paducah, Ky. Tire remover and replacer. No. 1,215,680; Feb. 13; v. 235; p. 457.
- Mason, Andrew J., Granite, Okla. Machine for making pinless clothes-lines. No. 1,224,767; May 1; v. 238; p. 232.
- Mason, Carl T., assignor to Splitdorf Electrical Company, Newark, N. J. Adjustable interrupter for ignition-dynamos. No. 1,226,982; May 22; v. 238; p. 1114.
- Mason, Charles T., Sumter, S. C. Rocking distributor for ignition systems. No. 1,241,412; Sept. 25; v. 242; p. 946.
- Mason, Charles T., Sumter, S. C., assignor, by mesne assignments, to Splitdorf Electrical Company, Newark, N. J. Interrupter mechanism for ignition-dynamos. No. 1,216,151; Feb. 13; v. 235; p. 626.
- Mason, Charles T., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Combination coil and condenser for dynamos. No. 1,225,457; May 8; v. 238; p. 519.
- Mason, Charles T., Sumter, S. C., assignor, by mesne assignments, to Splitdorf Electrical Company, Newark, N. J. Ignition-dynamo. No. 1,226,233; May 15; v. 238; p. 822.
- Mason, Charles T., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Distributor for ignition devices. No. 1,226,234; May 15; v. 238; p. 822.
- Mason, Charles T., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Ignition system. No. 1,231,043; June 26; v. 239; p. 1018.
- Mason, Charles T., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Ignition-dynamo. No. 1,234,192; July 24; v. 240; p. 975.
- Mason, Charles T., Sumter, S. C., assignor, by mesne assignments, to Splitdorf Electrical Company, Newark, N. J. Ignition-dynamo. No. 1,235,357; July 31; v. 240; p. 1372.
- Mason, Charles T., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Electric generator. No. 1,236,732; Aug. 14; v. 241; p. 421.
- Mason, Charles T., Sumter, S. C., assignor, by mesne assignments, to Splitdorf Electrical Company, Newark, N. J. Ignition-dynamo. (Reissue.) No. 14,373; Oct. 2; v. 243; p. 209.
- Mason, Francis C. (See Shanahan and Mason.)
- Mason, Francis C., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Vacuum-cleaner. No. 1,222,436; Apr. 10; v. 237; p. 535.
- Mason, Frank N., Pittsburgh, and J. F. Craven, Crafton Heights, Pa.; said Craven assignor to said Mason. Rod-packing. No. 1,215,833; Feb. 13; v. 235; p. 511.
- Mason, Fred, Springfield, Mo. Force-feeder for grease cups. No. 1,221,551; Apr. 3; v. 237; p. 194.
- Mason, Garrett C., Dos Palos, Cal. Necktie-form. No. 1,241,413; Sept. 25; v. 242; p. 946.
- Mason, Garrett O. (See Harris and Mason.)
- Mason, George L., Warehouse Point, Conn., assignor, by mesne assignments, to Cowan Truck Company, Holyoke, Mass. Truck. (Reissue.) No. 14,404; Dec. 4; v. 245; p. 255.
- Mason, Hosea A., assignor of one-half to W. E. Quigley, Taunton, Mass. Ice-cream cutter. No. 1,231,279; June 26; v. 239; p. 1096.
- Mason, Irving W., Aberdeen, Wash. Insect-killer. No. 1,239,501; Sept. 11; v. 242; p. 277.
- Mason, Irving W., Aberdeen, Wash. Poison-indicator. No. 1,241,536; Oct. 2; v. 243; p. 21.
- Mason, James H., Grand Prairie, Tex. Game. No. 1,220,871; Mar. 27; v. 236; p. 1143.
- Mason, John C., Salisbury, N. C. Change-gear mechanism. No. 1,226,559; May 15; v. 238; p. 930.
- Mason, Lyman E., Chicago, Ill. Curtain-stretcher. No. 1,229,112; June 5; v. 239; p. 248.
- Mason, Merle M., Cleveland, Ohio. Thermostat. No. 1,245,753; Nov. 6; v. 244; p. 184.
- Mason, Ralph K., assignor to Trumbull-Vanderpoel Electric Mfg. Co., Litchfield, Conn. Quick-break switch. No. 1,233,097; July 10; v. 240; p. 547.
- Mason, Robert G., Brooklyn, N. Y. Liquid-container. No. 1,230,916; June 26; v. 239; p. 973.
- Mason, Robert G., Brooklyn, N. Y. Demountable rim for vehicle-wheels. No. 1,243,087; Oct. 16; v. 243; p. 591.
- Mason, Saul, Philadelphia, Pa. Water-controlling apparatus. No. 1,230,590; June 19; v. 239; p. 828.
- Mason Steam System. (See Weiss, Charles A., assignor.)
- Mason, Thomas O., Bellevue borough, assignor to T. O. M. Manufacturing Company, Pittsburgh, Pa. Child's vehicle. No. 1,241,474; Sept. 25; v. 242; p. 964.
- Mason, William H., Easton, Pa. Apparatus for the manufacture of Portland cement and similar products. No. 1,210,510; Jan. 2; v. 234; p. 46.
- Mason, William K., and C. L. Donoho, Cambridge, Mass. Heater for radiators. No. 1,235,828; Aug. 7; v. 241; p. 98.
- Mass, Adolph, Newark, N. J. Motor-power transmission. No. 1,215,177; Feb. 6; v. 235; p. 241.
- Mass, August G., assignor of one-half to J. W. Stapleton, Cincinnati, Ohio. Detachable tread for pneumatic tires. No. 1,234,193; July 24; v. 240; p. 975.
- Massacece, Vincenzo, New York, N. Y. Furniture. No. 1,232,357; July 3; v. 240; p. 274.
- Massachusetts Chocolate Company. (See Walker, John, assignor.)
- Massachusetts Machinery Company. (See Greer, Jesse W., assignor.)
- Massard, Michael, Carroll, Iowa. Animal-releasing device. No. 1,220,662; Mar. 27; v. 236; p. 1072.
- Massey-Harris Company. (See Rieske, Otto G., assignor.)
- Massey, James O. (See Lewis, McClain, Skeen, and Massey.)
- Massey, Nelson C. (See Winters and Massey.)
- Massicotte, Louis G., Providence, R. I., and G. C. Boswell, Danielson, Conn., assignors to M-B Tool Company, Providence, R. I. Valve-grinder. No. 1,244,526; Oct. 30; v. 243; p. 1096.
- Massing, Edward, Irene, Mont. Potato-sprouter. No. 1,211,473; Jan. 9; v. 234; p. 409.
- Massman, Peter, assignor of one-half to J. H. Huber, Buffalo, N. Y. Roller-bearing. No. 1,250,607; Dec. 18; v. 245; p. 705.
- Masson, Louis M., Romainville, France. Brake device. No. 1,215,949; Feb. 13; v. 235; p. 553.
- Mast, William L., Arthur, Ill. Attachment for door-latches. No. 1,216,584; Feb. 20; v. 235; p. 831.
- Mastenbrook, Henry J., Lakewood, assignor to The Ohio Blower Company, Cleveland, Ohio. Burner. No. 1,241,135; Sept. 25; v. 242; p. 858.
- Master Carburetor Company. (See Miller and Adamson, assignors.)
- Master Carburetor Corporation. (See Miller and Cadwell, assignors.)
- Masters, Henry C., Hamilton, Bermuda. Shaft-bearing. No. 1,219,978; Mar. 20; v. 236; p. 794.
- Masters, Richard, Dudley, England. Furnace for annealing metals. No. 1,241,750; Oct. 2; v. 243; p. 90.
- Masters, William F., Sterling, Mass. Clothes-washer. No. 1,231,631; July 3; v. 240; p. 31.
- Masterroll Perforating Machine Company. (See Myers, Edgar W., assignor.)
- Masterton, Hugh M., Paterson, N. J. Gun attachment. No. 1,239,287; Sept. 4; v. 242; p. 182.
- Mastin, Charles I. E. and C. R., Hawthorne, N. J. Packing. No. 1,245,002; Oct. 30; v. 243; p. 1242.
- Mastin, Charles I. E. and C. R., Hawthorne, N. J. Packing. No. 1,245,003; Oct. 30; v. 243; p. 1242.
- Mastin, Charles R. (See Mastin, Charles I. E. and C. R.)
- Mastin, George C., et al. (See Bunnell, Morton G., assignor.)
- Mastoras, J. M. (See Langer, Gotthold L., assignor.)
- Mastroianni, Salvatore, Waterbury, Conn. Periodical-call apparatus. No. 1,223,286; Apr. 17; v. 237; p. 866.
- Masuda, Taichiro, Marysville, Cal. Figure polycycle. No. 1,226,560; May 15; v. 238; p. 930.
- Masuda, Taichiro, Marysville, Cal. Automobile-fender. No. 1,248,366; Nov. 27; v. 244; p. 1042.
- Masury, Alfred F., and A. G. Herreshoff, assignors to International Motor Company, New York, N. Y. Four-speed transmission. No. 1,241,415; Sept. 25; v. 242; p. 947.
- Masury, Alfred F., and A. G. Herreshoff, assignors to International Motor Company, New York, N. Y. Gear-shifting mechanism. No. 1,241,414; Sept. 25; v. 242; p. 946.
- Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Internal-combustion engine. No. 1,248,417; Nov. 27; v. 244; p. 1057.
- Masuzawa, Yoshimasa, Armona, Cal. Sanitary attachment for toilet-seats. No. 1,237,934; Aug. 21; v. 241; p. 841.
- Maszczyk, Alexander, Milwaukee, Wis. Safety-razor. No. 1,227,641; May 29; v. 238; p. 1361.
- Matchette, Frank J., Milwaukee, Wis. Service-door. No. 1,222,963; Apr. 17; v. 237; p. 758.
- Matchette, Frank J., Milwaukee, Wis. Cabinet service-door. No. 1,222,964; Apr. 17; v. 237; p. 759.
- Matchette, Frank J., Milwaukee, Wis. Signaling mechanism. No. 1,222,965; Apr. 17; v. 237; p. 759.
- Matchette, Frank J., Milwaukee, Wis. Compartment-sealing mechanism. No. 1,222,966; Apr. 17; v. 237; p. 760.

- Matchette, Frank J., and R. Raddatz, Milwaukee, Wis., assignors, by mesne assignments, to Richmond Radiator Company, New York, N. Y. Vacuum cleaning and force-draft system. No. 1,224,481; May 1; v. 238; p. 182.
- Matchette, Frank J., and R. Raddatz, Milwaukee, Wis., assignors, by mesne assignments, to Richmond Radiator Company, New York, N. Y. Vacuum cleaning and force-draft system. No. 1,224,482; May 1; v. 238; p. 182.
- Mateer, Jesse E., Wilkesburg, Pa., assignor to Westinghouse Electric and Manufacturing Company, Transformer. No. 1,249,800; Dec. 11; v. 245; p. 428.
- Mateer, Jesse E., and W. R. Woodward, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company, Transformer for metering systems. No. 1,242,962; Oct. 16; v. 243; p. 550.
- Mateer, Walter, Mansfield, Ohio. Suspenders. No. 1,214,569; Feb. 6; v. 235; p. 30.
- Mateer, Walter, Mansfield, Ohio. Garter. No. 1,229,495; June 12; v. 239; p. 426.
- Mathe, Joseph, Omaha, Nebr. Steam-vulcanizer. No. 1,218,100; Mar. 6; v. 236; p. 74.
- Matheuwissen, Walterus T., Rotterdam, assignor of one-half to W. Tom, Katwijk-aan-Zee, Netherlands. Friction-clutch. No. 1,227,475; May 22; v. 238; p. 1275.
- Matheny, Thurston, The Plains, Ohio. Wrench. No. 1,232,358; July 3; v. 240; p. 274.
- Mather, Alonzo C., Chicago, Ill. Railway-signal. No. 1,230,193; June 19; v. 239; p. 695.
- Mather, Frank S., New York, N. Y. Finger-moistener. No. 1,223,996; Apr. 24; v. 237; p. 1148.
- Mathers, Ezra A., New York, N. Y. Smelting process and apparatus. No. 1,242,833; Oct. 9; v. 243; p. 474.
- Mathers, John A., Grenfell, Saskatchewan, Canada, assignor of one-third to M. H. Neill and G. C. Neff. Envelop moistener and sealer. No. 1,241,645; Oct. 2; v. 243; p. 57.
- Mathers, Samuel A., Chillicothe, Ohio. Brake mechanism. No. 1,230,002; June 12; v. 239; p. 593.
- Mathes, Benjamin C. (See Bieder, Edward J., assignor.)
- Mathes, Charles. (See Williams, Robert, assignor.)
- Mathes, Lester P. and U. L., and C. H. Russell, Grand Valley, Okla. Agricultural machine. No. 1,223,818; Apr. 24; v. 237; p. 1089.
- Mathes, Ulysses L. (See Mathes and Russell.)
- Mathesius, Walther, Berlin, Germany. Binding material and preparing same. No. 1,233,384; July 17; v. 240; p. 677.
- Mathesius, Walther, Chicago, Ill. Hot-blast valve. No. 1,228,463; June 5; v. 239; p. 30.
- Mathesius, Walther, Chicago, Ill. Drain for gas-cleaners and operating the same. No. 1,245,366; Nov. 6; v. 244; p. 67.
- Matheson, Adam M., New York, N. Y. Valve. No. 1,230,499; June 19; v. 239; p. 796.
- Matheson, Edwin S., West Palm Beach, Fla. Necktie-holder. No. 1,213,524; Jan. 23; v. 234; p. 1188.
- Matheson, Gilbert R., and J. B. Shaw, Winnipeg, Manitoba, Canada. Controlling device for automobile-headlights. No. 1,211,474; Jan. 9; v. 234; p. 409.
- Matheson, Gilbert R., and J. B. Shaw, Winnipeg, Manitoba, Canada. Attachment to automobile-headlights. No. 1,217,199; Feb. 27; v. 235; p. 1084.
- Mathews, Frank, Winnipeg, Manitoba, Canada. Mail catching and delivering apparatus. No. 1,217,478; Feb. 27; v. 235; p. 1180.
- Mathews, Fred, assignor to C. C. Murphy, Chicago, Ill. Carline. No. 1,230,747; June 19; v. 239; p. 878.
- Mathews, Fred, assignor to C. C. Murphy, Chicago, Ill. Carline and making it. No. 1,235,042; July 31; v. 240; p. 1279.
- Mathews, Fred, assignor to C. C. Murphy, Chicago, Ill. Car-door. No. 1,244,626; Oct. 30; v. 243; p. 1128.
- Mathews Gravity Carrier Company. (See Buck, Herman J., assignor.)
- Mathews Gravity Carrier Company. (See Kellogg, Winthrop C., assignor.)
- Mathews, Henry B. (See Minnich and Mathews.)
- Mathews, John J. (See Minnich and Mathews.)
- Mathews, John S., assignor of one-half to C. E. Neubauer, one-sixteenth to B. Grimm, and one-sixteenth to J. Beerhalter, Duluth, Minn. Rail-fastener. No. 1,249,161; Dec. 4; v. 245; p. 211.
- Mathews, Rolland, Marshall, Minn. Automatic camera-shutter operating and timing instrument. No. 1,230,500; June 19; v. 239; p. 797.
- Mathews, Rolland, Marshall, Minn. Automatic camera-shutter operating and timing instrument. No. 1,230,501; June 19; v. 239; p. 797.
- Mathews, Walter E. (See Lambert and Mathews.)
- Mathewson, Marvin A., Elmira, N. Y. Stand for shining shoes. No. 1,236,198; Aug. 7; v. 241; p. 215.
- Mathey, Joseph, Omaha, Nebr. Steam-vulcanizer. No. 1,218,101; Mar. 6; v. 236; p. 74.
- Mathias, Bert M., Minneapolis, Minn. Freight-car-wall construction. No. 1,219,832; Mar. 20; v. 236; p. 743.
- Mathias, Herman B., Brooklyn, N. Y. Nursery rattle and toy. No. 1,223,507; Apr. 24; v. 237; p. 979.
- Mathias, Thomas H., Buffalo, assignor to Lackawanna Steel Company, Lackawanna, N. Y. Roll-guide. No. 1,236,465; Aug. 14; v. 241; p. 332.
- Mathies, Franklyn L., Rochester, assignor to Royal Type-writer Company, Inc., New York, N. Y. Combined front-lever and type-bar support. No. 1,217,325; Feb. 27; v. 235; p. 1126.
- Mathieu Corporation, The. (See Richter, Edward A., assignor.)
- Mathison, George W., Denver, Colo. Food-package. No. 1,240,235; Sept. 18; v. 242; p. 547.
- Mathison, George W., Denver, Colo. Dispensing-machine. No. 1,241,646; Oct. 2; v. 243; p. 57.
- Mathison, Olaf, Crookston, Minn. Releasing-penholder. No. 1,230,312; June 19; v. 239; p. 735.
- Mathy, Maurice, Flemalle-Grande, Belgium. Grinding glass stoppers. No. 1,232,465; July 3; v. 240; p. 307.
- Mathy, Maurice, Flemalle-Grande, Belgium. Machine for grinding the rims of glass vessels. No. 1,241,236; Sept. 25; v. 242; p. 891.
- Matney, James, assignor of one-half to E. Roberts, Livingston, Mont. Rotary weeder and cultivator. No. 1,227,166; May 22; v. 238; p. 1177.
- Matoushek, Frank, Colome, S. D. Motor-cultivator. No. 1,210,511; Jan. 2; v. 234; p. 46.
- Matragos, Nick, Dallas, Tex. Pad for lower limbs. No. 1,244,527; Oct. 30; v. 243; p. 1097.
- Matricardi, Giuseppe, Pallanza, Italy, assignor to Società Harle & Cie., Paris, France. Firing mechanism for automatic submarine mines. No. 1,212,536; Jan. 16; v. 234; p. 809.
- Matsinger, William A., Philadelphia, Pa. Coupling device for tubular poles. No. 1,213,228; Jan. 23; v. 234; p. 1085.
- Matson, Carl A., Lynn, and A. M. Hoyt, Swampscott, Mass. Machine for wax-finishing the edges of the heels of boots and shoes. No. 1,211,866; Jan. 9; v. 234; p. 546.
- Matson, Charles M. (See Matson, Martin M., and C. M.)
- Matson, Isaac V., Waterport, N. Y. Grading-machine. No. 1,242,573; Oct. 9; v. 243; p. 392.
- Matson, Julius, Glenwood, assignor to Steger & Sons Piano Manufacturing Company, Steger, Ill. Phonograph-tone-arm connection. No. 1,243,853; Oct. 23; v. 243; p. 857.
- Matson, Julius, Glenwood, assignor to Steger & Sons Piano Manufacturing Company, Steger, Ill. Phonograph-tone-arm connection. No. 1,243,854; Oct. 23; v. 243; p. 857.
- Matson, Martin M. and C. M., Mabscott, W. Va. Motor. No. 1,246,766; Nov. 13; v. 244; p. 515.
- Matsu, Aiji, San Francisco, Cal. Rice food product. No. 1,248,884; Dec. 4; v. 245; p. 135.
- Matsuoka, Thomas S., Arrow, Colo. Tie-plate. No. 1,240,865; Sept. 25; v. 242; p. 775.
- Mattatuck Manufacturing Company, The. (See Smith, Elwyn P., assignor.)
- Matteoli, William M., Covington, Ky. Focusing device for lamps. No. 1,244,880; Oct. 30; v. 243; p. 1205.
- Matter, Oskar, Cologne, Germany. Manufacturing polyvalent alcohols. No. 1,237,076; Aug. 14; v. 241; p. 531.
- Matter, Oskar, Troisdorf, Germany. Detonating cap. No. 1,239,613; Sept. 11; v. 242; p. 313.
- Mattern, Arthur, Williamsport, Pa. Liquid-sprayer. No. 1,229,771; June 12; v. 239; p. 519.
- Mattern, Edwin S., Allentown, Pa. Machine for cutting seed-potatoes. No. 1,243,538; Oct. 16; v. 243; p. 724.
- Mattern, Henry J., Chicago, Ill. Rotary motor. No. 1,218,290; Mar. 6; v. 236; p. 141.
- Mattern, Jesse, Tyrone, Pa. Shade and curtain hanger. No. 1,236,332; Aug. 7; v. 241; p. 256.
- Mattes Plumbing Company, The. (See Zodeck, Perlin, assignor.)
- Matteson, Francis M., Jackson, Mich. Furnace. No. 1,248,144; Nov. 27; v. 244; p. 980.
- Matteson, Frank E., Los Angeles, Cal. Lock-switch. No. 1,242,013; Oct. 2; v. 243; p. 174.
- Matteson, George F. (See Hall and Matteson.)
- Matteson, Jesse E., et al. (See Graves, John, assignor.)
- Matteson, William J., St. Louis, Mo. Wrench. No. 1,245,754; Nov. 6; v. 244; p. 184.
- Matthel, Henry R. (See Mehloope, Matthel, and Mally.)
- Matthel, Henry R., assignor to G. Plamondon, Chicago, Ill., A. D. Plamondon, executor. Clasp. No. 1,229,199; June 5; v. 239; p. 277.
- Mattheis, Samuel G., et al. (See Mentzer, Claude E., assignor.)
- Matthewman, Winfred, Ingleton, England. Valve and the like. No. 1,222,316; Apr. 10; v. 237; p. 491.
- Matthews, Aubrey, Fitzgerald, Ga. Tie-press. No. 1,221,886; Apr. 10; v. 237; p. 341.
- Matthews, Austin, Hardy, assignor of one-half to B. S. Baker, Omaha, Nebr. Dental implement. No. 1,220,252; Mar. 27; v. 236; p. 927.
- Matthews Boat Company, The. (See Matthews, Scott J., assignor.)
- Matthews, Charles D., Columbia, Mo., and A. D. Mitchell, Muskogee, Okla. Accordion-pleating machine. No. 1,217,874; Feb. 27; v. 235; p. 1317.
- Matthews, Claude L., assignor to W. N. Matthews and Brother, Incorporated, St. Louis, Mo. Rope-clamp. No. 1,227,167; May 22; v. 238; p. 1177.
- Matthews, Claude L., assignor to W. N. Matthews and Brother, Inc., St. Louis, Mo. Eye for guy attachments. No. 1,227,168; May 22; v. 238; p. 1177.
- Matthews, Edward, assignor of one-half to L. E. Lemen, Denver, Colo. Vehicle-spring. No. 1,225,458; May 8; v. 238; p. 519.

- Matthews, Edwin S., New York, N. Y., assignor, by mesne assignments, to H. H. Williams and A. C. Wall, receivers. Speed-regulator for elevators. No. 1,212,154; Jan. 9; v. 234; p. 645.
- Matthews, Frederick W., Los Angeles, Cal. Talking-moving-picture apparatus. No. 1,210,665; Jan. 2; v. 234; p. 101.
- Matthews, Frederick W., Los Angeles, Cal. Toy. No. 1,210,666; Jan. 2; v. 234; p. 101.
- Matthews, George S., Brotherton, Tenn. Vegetable-slicer. No. 1,215,296; Feb. 6; v. 235; p. 283.
- Matthews, Harrison C., Abbott, Tex. Safety car-net. No. 1,242,834; Oct. 9; v. 243; p. 475.
- Matthews, James, Vancouver, British Columbia, Canada. Carriage for overhead tracks. No. 1,241,537; Oct. 2; v. 243; p. 21.
- Matthews, John W., Macon, Mo. Shock-absorber. No. 1,214,343; Jan. 30; v. 234; p. 1500.
- Matthews, Milton J., Detroit, Mich. Time-controlled mechanism. No. 1,240,749; Sept. 18; v. 242; p. 705.
- Matthews, Percy W. (See Atterbury and Matthews.)
- Matthews, Scott J., assignor to The Matthews Boat Company, Port Clinton, Ohio. Automatic clutch. No. 1,236,860; Aug. 14; v. 241; p. 462.
- Matthews, Thomas F., Philadelphia, Pa. Book-marker. No. 1,210,964; Jan. 2; v. 234; p. 203.
- Matthews, William H., Dayton, Ohio. Computing device. No. 1,238,800; Sept. 4; v. 242; p. 25.
- Matthey, Arthur, Vevey, Switzerland. Dressmaker's adjustable dummy-support. No. 1,238,423; Aug. 28; v. 241; p. 1034.
- Mattice, John H., Clyde, Kans. Permutation-lock. No. 1,217,802; Feb. 27; v. 235; p. 1294.
- Mattice, John H., Clyde, Kans. Permutation-lock. No. 1,244,064; Oct. 23; v. 243; p. 920.
- Mattoli, Delmo, Philadelphia, Pa. Heel-seat wheeling and beating-up machine. No. 1,220,437; Mar. 27; v. 236; p. 994.
- Mattison, Carl L., assignor to C. Mattison Machine Works, Beloit, Wis. Portable veneer-trimmer. No. 1,216,340; Feb. 20; v. 235; p. 743.
- Mattison, Charles D., Habsbrouck Heights, N. J., assignor to The Unitrim Company, Inc., New York, N. Y. Trimming-machine. No. 1,240,237; Sept. 18; v. 242; p. 547.
- Mattison, James J. E., Pasadena, Cal. Switch. No. 1,234,922; July 31; v. 240; p. 1241.
- Mattison, Magnus W., assignor to C. Mattison Machine Works, Beloit, Wis. Cutter-head. No. 1,222,783; Apr. 17; v. 237; p. 697.
- Mattman, Emil, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Centrifugal switching device. No. 1,236,733; Aug. 14; v. 241; p. 422.
- Mattox, Jesse P., Stilwell, Okla. Wire-fence stretcher. No. 1,223,709; Apr. 24; v. 237; p. 1050.
- Mattson, Charles B., Puyallup, assignor of one-half to E. P. Chadwick, Olympia, Wash. Operating structure for closures. No. 1,241,538; Oct. 2; v. 243; p. 21.
- Mattson, George W., San Francisco, Cal. Automatic weighing-truck. No. 1,237,361; Aug. 21; v. 241; p. 660.
- Mattson, Jacob, and J. O'Brien, Virginia, Minn. Clothes-plin. No. 1,223,710; Apr. 24; v. 237; p. 1050.
- Mattson, Martin B., Princeton, Mass. Bog-shoe. No. 1,237,077; Aug. 14; v. 241; p. 531.
- Mattson, Theodore G., Bremen, N. D. Harrow. No. 1,230,194; June 19; v. 239; p. 695.
- Matty, Leo J., New York, N. Y. Combination-garment. No. 1,234,784; July 31; v. 240; p. 1198.
- Matula, Louis, Cleveland, Ohio. Lathe-grinding attachment. No. 1,229,496; June 12; v. 239; p. 427.
- Matussek, John, Whiting, Ind. Bullet shield and protector. No. 1,250,199; Dec. 18; v. 245; p. 583.
- Matz, Charles F. (See Cummer and Matz.)
- Matz, Charles W., and C. H. Hale, Evanston, Ill. Air-pistol. No. 1,234,062; July 17; v. 240; p. 896.
- Matz, Michael, Mineola, N. Y. Search-light. No. 1,215,043; Feb. 6; v. 235; p. 199.
- Matz, Michael G. (See Cummer and Matz.)
- Matzene, R. Gordon. (See McCarty and Falck, assignors.)
- Mauboules, J. S., et al. (See Underwood, Charles W., assignor.)
- Mauch, John L., Humboldt, Ariz. Spring-tension mechanism. No. 1,230,195; June 19; v. 239; p. 696.
- Mauch, John L., Los Angeles, Cal. Photogenic copying apparatus. No. 1,251,076; Dec. 25; v. 245; p. 894.
- Mauclair, Raymond G. A., Asnières, France. Motor attachment for cycles. No. 1,212,982; Jan. 16; v. 234; p. 967.
- Mauger, John B. (See McMahan and Mauger.)
- Mauk, Albert S., Orangeville, Md. Wheel-tire. No. 1,225,459; May 8; v. 238; p. 519.
- Maul, Henry C., assignor to The Michigan Stove Company, Detroit, Mich. Automatic water-heater valve. No. 1,213,229; Jan. 23; v. 234; p. 1085.
- Maull, Edward N., assignor of one-half to H. C. Ploof, Jacksonville, Fla. Bean and pea hulling machine. No. 1,232,064; July 3; v. 240; p. 179.
- Maulsby, Edwin S., Ridgewood, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. No. 1,214,570; Feb. 6; v. 235; p. 30.
- Maupin, William L. (See Long, Charles H., assignor.)
- Maurer, Albert, New York, N. Y. Target. No. 1,210,512; Jan. 2; v. 234; p. 46.
- Maurer, Edward. (See Louppe, Albert, assignor.)
- Maurer, Edwin R., Detroit, Mich. Demountable rim. No. 1,228,941; June 5; v. 239; p. 191.
- Maurer, Erwin, Jamaica, N. Y. Brooder. No. 1,229,113; June 5; v. 239; p. 248.
- Maurer, Erwin, Jamaica, N. Y. Brooder. No. 1,230,917; June 26; v. 239; p. 973.
- Maurer, Henry W., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer-holding device for tanks and the like. No. 1,233,385; July 17; v. 240; p. 678.
- Mauri, Marie H. and H., New York, N. Y. Fountain attachment for pens. No. 1,221,468; Apr. 3; v. 237; p. 164.
- Maurice, Albert, Paris, France. Apparatus for re-educating and improving hearing. No. 1,227,476; May 22; v. 238; p. 1276.
- Maurice, Lucien, St.-Denis, France. Heat-accumulator. No. 1,251,262; Dec. 25; v. 245; p. 946.
- Maurseth, Thorsten H. (See Anderson and Maurseth.)
- Maurseth, Thorsten H., Seattle, Wash., assignor of one-half to L. Beirl, Portland, Ore. Clutch driving device. No. 1,246,295; Nov. 13; v. 244; p. 374.
- Maury, Mason, and W. C. Magruder, Louisville, Ky. Shower-bath. No. 1,215,681; Feb. 13; v. 235; p. 458.
- Mausser, Paul, deceased; F. Eichhorn, administrator, assignor to Waffenfabrik Mauser Aktiengesellschaft, Oberndorf-on-the-Neckar, Germany. Firearm. No. 1,217,974; Mar. 6; v. 236; p. 30.
- Mausser, Paul, deceased, by F. Eichhorn, administrator, assignor to Waffenfabrik Mauser Aktiengesellschaft, Oberndorf-on-the-Neckar, Germany. Means for combining the barrel with the receiver in connection with firearms. No. 1,234,783; July 31; v. 240; p. 1197.
- Mäusert, Gustav A., Brooklyn, N. Y. Shoe-polishing device. No. 1,232,065; July 3; v. 240; p. 179.
- Maussner, Frederick, Philadelphia, Pa. Machine for interlacing curled hair. No. 1,220,663; Mar. 27; v. 236; p. 1072.
- Maussner, Frederick, Philadelphia, Pa., assignor to M. L. Maussner, Collingswood, N. J. Machine for interlacing curled hair. No. 1,225,671; May 8; v. 238; p. 589.
- Maussner, Madeline L. (See Maussner, Frederick, assignor.)
- Mauzy, Joseph H., Broadway, Va. Buckle. No. 1,214,052; Jan. 30; v. 234; p. 1400.
- Mawn, Stephen V., Johnsonburg, Pa. Ball-bearing. No. 1,246,450; Nov. 13; v. 244; p. 421.
- Max Ams Machine Company, The. (See Brenzinger, Julius, assignor.)
- Maxedon, Thomas V. (See Ingle, James W., assignor.)
- Maxfer Truck and Tractor Company. (See Greer, Erwin, assignor.)
- Maxfield, Fred E. (See Ware, Charles I., assignor.)
- Maxham, Lowell M., Boston, Mass. Merry-go-round. No. 1,236,962; Aug. 14; v. 241; p. 495.
- Maxim, Hosea F., assignor of one-half to O. Wells, Norfolk, Va. Connector for electric conductors. No. 1,213,393; Jan. 23; v. 234; p. 1143.
- Maxim Munitions Corporation. (See Saalfeld, Oliver B., assignor.)
- Maxsen, Reynolds R., et al. (See Umpleby, Harry C., assignor.)
- Maxwell, Bert E., Wichita, Kans. Tire-skiver. No. 1,236,963; Aug. 14; v. 241; p. 495.
- Maxwell, Clarence E. (See Nagney, Samuel R., assignor.)
- Maxwell, Dillard L., Wirt, assignor of one-fourth to W. J. Milburn, one-fourth to L. J. Milburn, and one-fourth to T. Stockdel, Oklahoma, Okla. Casing-head for oil-wells. No. 1,228,686; June 5; v. 239; p. 105.
- Maxwell, George W., assignor, by mesne assignments, to Security Manufacturing Company, San Francisco, Cal. Check-protector. No. 1,222,317; Apr. 10; v. 237; p. 492.
- Maxwell, James, Sr., New York, N. Y. Device to facilitate the parting of hair. No. 1,218,440; Mar. 6; v. 236; p. 191.
- Maxwell, James H., Seattle, Wash. Trap. No. 1,228,802; June 5; v. 239; p. 147.
- Maxwell, John S., assignor to The Starr Piano Company, Richmond, Ind. Automatic tracker attachment. No. 1,215,297; Feb. 6; v. 235; p. 283.
- Maxwell, John S., assignor to Starr Piano Company, Richmond, Ind. Valve. No. 1,238,040; Aug. 21; v. 241; p. 876.
- Maxwell, Joseph W., Waldo, Ark. Combined rule, level, try-square, and calipers. No. 1,220,664; Mar. 27; v. 236; p. 1072.
- Maxwell, Ralph S., assignor of one-half to J. M. Parker, Portland, Ore. Yard-truck. No. 1,217,479; Feb. 27; v. 235; p. 1181.
- Maxwell, Ralph S., assignor of one-half to J. M. Parker, Portland, Ore. Loading device for autotrucks. No. 1,231,182; June 26; v. 239; p. 1065.
- Maxwell, Ralph S., Detroit, Mich., assignor of one-half to J. M. Parker, Portland, Ore. Load-binding device. No. 1,245,607; Nov. 6; v. 244; p. 141.
- Maxwell, Theodore R., Brooklyn, N. Y. Knockdown bird-cage. No. 1,227,814; May 29; v. 238; p. 1421.

- Maxwell, Thomas G., Cleveland, Ohio. Hinge-back for account-register leaves. No. 1,236,199; Aug. 7; v. 241; p. 216.
- Maxwell, Thomas S., Cleveland, Ohio. Detachable lining for vehicle mud-guards. No. 1,222,011; Apr. 10; v. 237; p. 384.
- May, Adam J. (See Fertig and May.)
- May, Addison R., et al., trustees. (See Philippi, Frank A., assignor.)
- May, Alex, Jr. (See Freeman, Richard J., assignor.)
- May, Artie E., Terra Alta, W. Va. Handle for cooking utensils. No. 1,237,935; Aug. 21; v. 241; p. 842.
- May, David T., New York, N. Y., assignor by mesne assignments, to Western Electric Company, Incorporated. Protector. No. 1,219,833; Mar. 20; v. 236; p. 743.
- May, David T., assignor to Western Electric Company, Incorporated, New York, N. Y. Lightning-arrester. No. 1,242,014; Oct. 2; v. 243; p. 174.
- May, David T., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum lightning-arrester. No. 1,244,528; Oct. 30; v. 243; p. 1097.
- May, Edward M., Ann Arbor, Mich. Shock-absorber. No. 1,242,574; Oct. 9; v. 243; p. 393.
- May, Forrest L. (See Wager, William F., assignor.)
- May, Frank T., Avis, Pa. Plate-holder. No. 1,215,834; Feb. 13; v. 235; p. 511.
- May, Frank W., Seattle, Wash. Movable filing-bridge. No. 1,216,830; Feb. 20; v. 235; p. 913.
- May, Gerald D., Washington, D. C. Automatic adjuster for eccentric shafts. No. 1,223,997; Apr. 24; v. 237; p. 1148.
- May, Henry C., Bowman, N. D. Breakfast food. No. 1,245,255; Nov. 6; v. 244; p. 34.
- May, Thomas H. D., Bath, England. Sack-holder. No. 1,237,936; Aug. 21; v. 241; p. 842.
- May, William H., Yonkers, assignor to Bramhall Deane Company, New York, N. Y. Sterilizer. No. 1,215,682; Feb. 13; v. 235; p. 458.
- May, William L., Edmonton, Alberta, Canada. Clothes-line tightener. No. 1,248,367; Nov. 27; v. 244; p. 1043.
- Maycomber, Frank, South Jacksonville, Fla. Bath-tub attachment. No. 1,212,659; Jan. 16; v. 234; p. 855.
- Mayda, Paul, Ranchester, Wyo. Rail clamp and holder. No. 1,238,171; Aug. 28; v. 241; p. 952.
- Mayer, Bertram. (See Wuth, Mayer, Jagerspacher, and Anderwert.)
- Mayer, Edward, and W. M. Correll, Ashland, Nebr. Signal apparatus. No. 1,240,075; Sept. 11; v. 242; p. 456.
- Mayer, Ferdinand. (See Medveczky and Mayer.)
- Mayer, Frank A. (See Thomas, Charles A., assignor.)
- Mayer, Heinrich, and G. Schlatter, assignors to Firm A. Saurer, Arbon, Switzerland. Device for locking the differential gear in motor-cars. No. 1,212,795; Jan. 16; v. 234; p. 903.
- Mayer, Heinrich, and G. Schlatter, assignors to Firm A. Saurer, Arbon, Switzerland. Circulating lubricating system. No. 1,223,840; May 15; v. 238; p. 688.
- Mayer, Heinrich, Arbon, and G. Schlatter, Steinach, assignors to Firma A. Saurer, Arbon, Switzerland. Lifting device for automobile-engines. No. 1,242,712; Oct. 9; v. 243; p. 436.
- Mayer, Heinrich, Arbon, and G. Schlatter, Steinach, assignors to Firma A. Saurer, Arbon, Switzerland. Fastening device for antiskidding means. No. 1,246,132; Nov. 13; v. 244; p. 326.
- Mayer, Heinrich, Arbon, and G. Schlatter, Steinach, assignors to the Firm of A. Saurer, Arbon, Switzerland. Dumping-wagon. No. 1,251,399; Dec. 25; v. 245; p. 958.
- Mayer, John M., Kingston, N. Y. Lawn-swing. No. 1,220,764; Mar. 27; v. 236; p. 1105.
- Mayer, Louis, Antigo, Wis. Power-hammer-ram coupling. No. 1,225,046; May 8; v. 238; p. 378.
- Mayer, Max. (See Wohl and Mayer.)
- Mayer, Max, Berlin-Tempelhof, and B. Havas, Berlin-Schöneberg, assignors to Chemisch-Metallurgische Industrie Gesellschaft mit beschränkter Haftung, Berlin, Germany. Enamel and making the same. No. 1,220,253; Mar. 27; v. 236; p. 927.
- Mayer, Robert S., Norwood, Ohio. Thermostatic valve. No. 1,231,044; June 26; v. 239; p. 1018.
- Mayer, William E. (See Poynter, William B., assignor.)
- Mayer, William G., Pittsburgh, Pa. Automobile-body support. No. 1,230,748; June 19; v. 239; p. 878.
- Mayer, William G., Pittsburgh, Pa. Vehicle-wheel chain. No. 1,235,223; July 31; v. 240; p. 1332.
- Mayer, Walter S., assignor to D & W Fuse Company, Providence, R. I. Circuit-breaker. No. 1,244,225; Oct. 23; v. 243; p. 969.
- Mayes, John H., Charlotte, N. C. Ball-bearing for spindles. No. 1,248,885; Dec. 4; v. 245; p. 135.
- Mayfield, Walker, Scottsville, Ky. File. No. 1,212,083; Jan. 9; v. 234; p. 619.
- Mayfield, Walker, Scottsville, Ky. Rack. No. 1,235,358; July 31; v. 240; p. 1873.
- Mayfield, Walter, Scottsville, Ky. Book-marker. No. 1,250,926; Dec. 18; v. 245; p. 890.
- Mayfield, William H., Wamic, Oreg. Truck. No. 1,245,004; Oct. 30; v. 243; p. 1242.
- Mayhew, Douglas R., Shingle Springs, Cal. Automatic extension car-step. No. 1,227,642; May 29; v. 238; p. 1361.
- Mayhew, Earl P., San Diego, Cal. Gold-saving amalgamator. No. 1,221,347; Apr. 3; v. 237; p. 122.
- Mayhew, Earl P., San Diego, Cal. Airless tire for automobiles. No. 1,251,077; Dec. 25; v. 245; p. 894.
- Mayhew, Frank, assignor to Atlas Ball Company, Philadelphia, Pa. Ball-finishing machine. No. 1,223,087; Apr. 17; v. 237; p. 801.
- Mayhew, Joseph L., Williamstown, Mass. Portable flash-light. No. 1,232,824; July 10; v. 240; p. 459.
- Mayhew, Ralph, New York, N. Y. Book. No. 1,236,333; Aug. 7; v. 241; p. 256.
- Maynard, Albert E., assignor to American Optical Company, Southbridge, Mass. Cutting or marking machine. No. 1,248,145; Nov. 27; v. 244; p. 980.
- Maynard, Charles, Milan, Mich. Portable fireplace. No. 1,228,340; May 29; v. 238; p. 1595.
- Maynard, Joseph A., Ravenna, assignor of one-half to T. J. Quest, Kingston, N. Y. Detachable eye-shield. No. 1,228,341; May 29; v. 238; p. 1596.
- Maynard, Lewis H., Rye, N. Y. Duplicating-machine. No. 1,217,480; Feb. 27; v. 235; p. 1181.
- Maynard, Macy, Auburn, Wash. Oil-burner. No. 1,213,675; Jan. 23; v. 234; p. 1240.
- Maynard, Norman C. (See Bilton, George E., assignor.)
- Maynard, William H., Burlington, Vt. Clothes-hanger. No. 1,223,998; Apr. 24; v. 237; p. 1149.
- Mayne, Leander M., Columbia, S. C. Detachable drawer. No. 1,213,121; Jan. 16; v. 234; p. 1015.
- Mayne, Leander M., Columbia, S. C. Roller for sliding drawers. No. 1,226,561; May 15; v. 238; p. 931.
- Maynes, Hyla F., Gaines, Pa. Amusement apparatus. No. 1,218,200; Mar. 6; v. 236; p. 109.
- Maynor, John W. (See Ledbetter, Ralph W., assignor.)
- Mayo, Alice L., Hammond, Oreg. Lantern. No. 1,236,334; Aug. 7; v. 241; p. 257.
- Mayo, George E. (See Witham and Mayo.)
- Mayo, Walter E., Hopewell, Va. Stand for electric irons. No. 1,245,941; Nov. 6; v. 244; p. 241.
- Mayo, William B. (See Geoghegan, Mayo, and Turner.)
- Mayo, William H., Royalton, Vt. Vehicle-brake attachment. No. 1,212,983; Jan. 16; v. 234; p. 968.
- Mayo, William J., Charlottesville, Va. Shade. No. 1,214,344; Jan. 30; v. 234; p. 1500.
- Mayolino, Luis, assignor to Ruedas y Neumaticos Mayolino, Habana, Cuba. Pneumatic vehicle-wheel. No. 1,214,811; Feb. 6; v. 235; p. 113.
- Mays Accounting Machine Company. (See Mays, James F., assignor.)
- Mays, James F., Birmingham, Ala., assignor to Mays Accounting Machine Company, Asheville, N. C. Calculating-machine. No. 1,220,665; Mar. 27; v. 236; p. 1072.
- Mays, Zacharia E., Monroe, assignor of one-half to W. K. Allen, Amherst, Va. Self-locking brake for wagons. No. 1,237,799; Aug. 21; v. 241; p. 799.
- Maytag Company, The. (See Snyder, Howard F., assignor.)
- Maytag Company, The. (See Thompson, Herbert L., assignor.)
- Mazoch, Anton F., and E. Sladeczek, Granger, Tex. Automatic release-hook. No. 1,212,984; Jan. 16; v. 234; p. 968.
- Mazurek, Antoni, Detroit, Mich. Animal-trap. No. 1,243,088; Oct. 16; v. 243; p. 592.
- Mazza, George M. (See Drew and Mazza.)
- Mazzei, Frank P., Petersburg, Va. Sterilizer for barbers' appliances. No. 1,228,464; June 5; v. 239; p. 31.
- McAdams, James, Sausalito, Cal. Combination holder and grip. No. 1,213,517; Jan. 23; v. 234; p. 1186.
- McAdams, William A., Bayshore, N. Y. Aluminum alloy. No. 1,212,374; Jan. 16; v. 234; p. 753.
- McAdams, William A., Bayshore, N. Y. Aluminum alloy. No. 1,247,977; Nov. 27; v. 244; p. 934.
- McAdams, William C., Millport, Ala., assignor of one-half to W. B. Lacy, Columbus, Miss. Boll-weevil catcher and destroyer. No. 1,224,555; May 1; v. 238; p. 158.
- McAdams, William J., Spurlock, Tex. Grain-drill attachment. No. 1,222,644; Apr. 17; v. 237; p. 649.
- McAfee, Almer M., Bayonne, N. J. Treating oils. No. 1,235,523; July 31; v. 240; p. 1423.
- McAfee, Almer M., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Manufacture of aluminum chlorid. No. 1,217,471; Feb. 27; v. 235; p. 1178.
- McAfee, Jane K., Brooklyn, N. Y. Clothes-rack. No. 1,215,175; Feb. 6; v. 235; p. 241.
- McAllister, Ramey, Washburn, Tex. Garment-hanger. No. 1,242,829; Oct. 9; v. 243; p. 473.
- McAllister, Stuart G., Washington, D. C., assignor to The T. H. Symington Company, Rochester, N. Y. Draft-rigging. No. 1,213,924; Jan. 30; v. 234; p. 1355.
- McAllister, Cyrus A. (See Hodges, Allan R., assignor.)
- McAllister, James B., St. Johnsville, N. Y. Dental pliers. No. 1,214,197; Jan. 30; v. 234; p. 1447.
- McAlpine, Edward M. C. (See Wielert, Johan, assignor.)
- McAlpine, Thomas M., Westminster, London, England. Tunneling. No. 1,242,177; Oct. 9; v. 243; p. 278.
- McAndrew, Charles P., Ellsworth, Wis. Thermostat or heat-regulator for incubators. No. 1,235,348; July 31; v. 240; p. 1370.
- McAneny, Michael, assignor, by mesne assignments, to J. O. Carrey, St. Louis, Mo. Cigar-lighter. No. 1,239,801; Sept. 11; v. 242; p. 373.
- McArthur, Alexander P., Chicago, Ill. Fountain-pen. No. 1,222,555; Apr. 10; v. 237; p. 577.

Alphabetical list of patentees—Continued.

- McArthur, Andrew J., Atlanta, Ga., assignor to Union Fibre Company, Winona, Minn. Composite wedge. No. 1,237,532; Aug. 21; v. 241; p. 715.
- McArthur, Andrew J., Atlanta, Ga., assignor to Union Fibre company, Winona, Minn. Insulated receptacle. No. 1,237,533; Aug. 21; v. 241; p. 715.
- McArthur, Arthur K., Gary, Ind., assignor to American Sheet and Tin Plate Company, Pittsburgh, Pa. Slitting-shears. No. 1,238,312; Aug. 28; v. 241; p. 999.
- McArthur, Charles D., Pittsburgh, Pa., assignor to Blaw Steel Construction Company. Wall-form. No. 1,216,335; Feb. 20; v. 235; p. 741.
- McArthur, Leslie, Kenilworth, assignor to Stewart Phonograph Corporation, Chicago, Ill. Phonograph. No. 1,249,791; Dec. 11; v. 245; p. 426.
- McArthur, Warren, Jr., Chicago, Ill., assignor to R. E. Dietz Company. Tubular lantern. No. 1,218,428; Mar. 6; v. 236; p. 188.
- McAtee, William A., *et al.* (See Norman, Frank, assignor.)
- McAuliffe, J. E., *et al.* (See Buckelew, Albert H., assignor.)
- McAvoy, James E., Foxburg, Pa. Shooting oil-wells. No. 1,248,689; Dec. 4; v. 245; p. 77.
- McBean, Duncan D., New York, N. Y. Tunnel and building same. No. 1,221,067; Apr. 3; v. 237; p. 22.
- McBean, Duncan D., New York, N. Y. Building and placing piers. No. 1,221,068; Apr. 3; v. 237; p. 22.
- McBean, George B., and C. W. Birchwood, assignors to Mechanical & Electrical Manufacturing Company, Chicago, Ill. Carburetor. No. 1,239,611; Sept. 11; v. 242; p. 312.
- McBee, Charles F., Athens, Ohio. Evener-board for book-binding-machines. No. 1,231,765; July 3; v. 240; p. 77.
- McBride, Albert P., Independence, Kans. Wire rope or cable clamp. No. 1,219,015; Mar. 13; v. 236; p. 432.
- McBride, Anna, Philadelphia, Pa. Laundry appliance. No. 1,249,975; Dec. 11; v. 245; p. 478.
- McBride, Archibald J., Montreal, Quebec, Canada. Shirt-waist. No. 1,243,196; Oct. 16; v. 243; p. 623.
- McBride, Hiram Y., Artesia, N. Mex. Cleaning animal hair and producing fertilizer. No. 1,218,573; Mar. 6; v. 236; p. 236.
- McBride, James P., assignor to C. M. Lovsted, Seattle, Wash. Signaling device. No. 1,231,179; June 26; v. 239; p. 1064.
- McBride, John, Chillicothe, Mo. Steam-cooker. No. 1,216,336; Feb. 20; v. 235; p. 742.
- McBride, Thomas C., Philadelphia, Pa. Surface condenser. No. 1,239,198; Sept. 4; v. 242; p. 152.
- McBride, William H., St. Louis, Mo. Paper-tape folder. No. 1,234,188; July 24; v. 240; p. 974.
- McBurney, Elmer, Oakland, Cal. Cabinet for vehicles. No. 1,239,021; Sept. 4; v. 242; p. 97.
- McBurney, Henry C., Los Angeles, Cal. Refuse-collecting bag. No. 1,228,333; May 29; v. 238; p. 1593.
- McBurney, Matthew R., Los Angeles, Cal. Treatable. No. 1,247,801; Nov. 20; v. 244; p. 706.
- McCa, David G., assignor to McCaa Radio Company, Lancaster, Pa. Electric oscillator. No. 1,246,626; Nov. 13; v. 244; p. 476.
- McCa, David G., Lancaster, Pa. Apparatus for and method of producing high-frequency currents of electricity. No. 1,211,863; Jan. 9; v. 234; p. 545.
- McCa, David G., Lancaster, Pa. Apparatus for the production of high-frequency currents of electricity. No. 1,247,556; Nov. 20; v. 244; p. 778.
- McCaa Radio Company. (See McCaa, David G., assignor.)
- McCabe, Allan J., Charlottetown, Prince Edward Island, Canada. Linoleum-truck. No. 1,224,759; May 1; v. 238; p. 229.
- McCabe, Horace B., assignor to Gisholt Machine Company, Madison, Wis. Time-recording register. No. 1,215,683; Feb. 13; v. 235; p. 459.
- McCabe, Ira E., Lexington, Nebr. Aeronautics. No. 1,227,464; May 22; v. 238; p. 1271.
- McCabe, James H. (See Wilson, Alvah F., assignor.)
- McCabe, John S., Bridgeville, Pa. Gage-wheel attachment for planters. No. 1,228,682; June 5; v. 239; p. 104.
- McCabe, Joseph S. (See Worley, Henry F., assignor.)
- McCabe, Thomas P., Maywood, Ill. Beet-harvester. No. 1,216,715; Feb. 20; v. 235; p. 874.
- McCafferty, Walter M., Montrose, Colo. Plow. No. 1,239,281; Sept. 4; v. 242; p. 181.
- McCaffrey, Peter F., Spokane, Wash. Roof-flashing. No. 1,244,750; Oct. 30; v. 243; p. 1166.
- McCaffrey, William H., assignor to one-half to R. D. Johnston, Jr., Birmingham, Ala. Pneumatic wheel. No. 1,249,438; Dec. 11; v. 245; p. 322.
- McCahan, Lewis E., Wichita, Kans. Permutation-lock. No. 1,232,945; July 10; v. 240; p. 500.
- McCain, Cyrus A., Bensonhurst, N. Y. Printing-press impression mechanism. No. 1,225,667; May 8; v. 238; p. 587.
- McCain, Cyrus A., Bensonhurst, N. Y. Printing-press inking mechanism. No. 1,225,668; May 8; v. 238; p. 587.
- McCain, Cyrus A., Bensonhurst, N. Y. Printing-press sheet-delivery mechanism. No. 1,225,669; May 8; v. 238; p. 588.
- McCain, Cyrus A., Bensonhurst, N. Y. Printing-press. No. 1,225,670; May 8; v. 238; p. 588.
- McCain, Ellsworth L., Detroit, Mich. Safety-razor. No. 1,235,040; July 31; v. 240; p. 1278.
- McCain, George L., assignor to Packard Motor Car Company, Detroit, Mich. Coupling. No. 1,251,065; Dec. 25; v. 245; p. 891.
- McCain, Theodore H., Gibson's Landing, British Columbia, Canada. Lock-washer. No. 1,228,334; May 29; v. 238; p. 1593.
- McCaleb, Albert G., *et al.* (See Bracke, Robert F., assignor.)
- McCaleb, Albert G., Chicago, Ill., assignor to Webster Electric Company, Racine, Wis. Ignition mechanism. No. 1,246,128; Nov. 13; v. 244; p. 324.
- McCall, Andrew J., St. Louis, Mo. Sanitary pump. No. 1,213,390; Jan. 23; v. 234; p. 1142.
- McCall, Edwin T., Laurinburg, N. C. Spark-plug. No. 1,239,117; Sept. 4; v. 242; p. 128.
- McCall, Elvin C. (See McCall, O'Sullivan, and McCall.)
- McCall, James V. (See Splater, Henry E., assignor.)
- McCall, John M., Butler, Pa. Detachable coat-collar. No. 1,219,335; Mar. 13; v. 236; p. 539.
- McCall, William, M. O'Sullivan, and E. C. McCall, San Francisco, Cal. Puncture-proof spring-tire. No. 1,217,124; Feb. 20; v. 235; p. 1014.
- McCallin, Francis, Long Island City, N. Y. Automobile-fender. No. 1,233,589; July 17; v. 240; p. 746.
- McCallip Manufacturing Company, The. (See McCallip, William W., assignor.)
- McCallip, Nellie W., administratrix. (See McCallip, William W.)
- McCallip, William W., deceased, Philadelphia, Pa.; N. W. McCallip, administratrix, assignor to The McCallip Manufacturing Company. Wire-fabric machine. No. 1,248,425; Nov. 27; v. 244; p. 1059.
- McCallister, Daniel, Curtisville, Pa. Rail-joint. No. 1,247,557; Nov. 20; v. 244; p. 778.
- McCallister, Thomas F., Prineville, Oreg. Power-transmission and driving mechanism for automobiles. No. 1,240,069; Sept. 11; v. 242; p. 454.
- McCallum, William A., Terrace Park, Ohio. Suspending device for trolley-wires. No. 1,220,523; Mar. 27; v. 236; p. 1024.
- McCallum, William A., Terrace Park, Ohio. Suspending device for trolley-wires. No. 1,245,937; Nov. 6; v. 244; p. 240.
- McCallum, William J., Toronto, Ontario, Canada, assignor to The Chapman Double Ball Bearing Company of Canada, Limited. Elevating-truck. No. 1,230,739; June 19; v. 239; p. 876.
- McCandlish, William H., assignor to Sabulite (Great Britain) Limited, London, England. Bomb, grenade, and like explosive projectile. No. 1,234,358; July 24; v. 240; p. 1029.
- McCandlish, William W., Oakland, Cal. Feeder. No. 1,234,054; July 17; v. 240; p. 893.
- McCandless, David C., Boise, Idaho. Flash-light apparatus. No. 1,225,261; May 8; v. 238; p. 448.
- McCandless, Edgar S., Rolla, Mo. Concrete-mixer. No. 1,224,656; May 1; v. 238; p. 192.
- McCandless Sylvester M., and F. G. McPherson, Beaver Falls, Pa. Shampooing-stand. No. 1,228,122; May 29; v. 238; p. 1525.
- McCandless, William L., *et al.* (See Sons, Ernest L., assignor.)
- McCann, Charles A., Springfield, Ill. Churn. No. 1,242,218; Oct. 9; v. 243; p. 278.
- McCann, Charles H., Cleveland, Ohio. Draft-gear-supporting means. No. 1,249,792; Dec. 11; v. 245; p. 426.
- McCann, George E., Ridgeway, Wis. Cheese-press. No. 1,217,969; Mar. 6; v. 236; p. 28.
- McCann, James T., and W. H. Roberts, Tuolumne, Cal. Woodworking-tool. No. 1,218,429; Mar. 6; v. 236; p. 188.
- McCann, John J., Burlington, N. J. Lathe for turning irregular forms. No. 1,221,552; Apr. 3; v. 237; p. 194.
- McCann, Robert B., assignor to one-fourth to W. Dickerson, Chicago, Ill. Aeroplane. No. 1,240,070; Sept. 11; v. 242; p. 455.
- McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. No. 1,233,488; July 17; v. 240; p. 711.
- McCanna, Benjamin T., and F. C. Heinen, assignors to one-half to N. F. Leopold, Chicago, Ill. Internal-combustion engine. No. 1,233,079; July 10; v. 240; p. 542.
- McCanse, William, Durant, Okla. Incinerator. No. 1,238,034; Aug. 21; v. 241; p. 874.
- McCargar, Lorren B., North Kansas City, Mo. Vehicle-motor power. No. 1,226,785; May 22; v. 238; p. 1045.
- McCarren, Joseph G., Rockford, Ill. Pot for use in annealing and carburizing metals. No. 1,232,346; July 3; v. 240; p. 270.
- McCarter, Charles, assignor to one-half to C. F. Evans, Decatur, Ill. Car-mover. No. 1,212,974; Jan. 16; v. 234; p. 964.
- McCarter, Louis N., Norristown, assignor to one-half to S. C. Graham, Pittsburgh, Pa. Block or tile press. No. 1,213,219; Jan. 23; v. 234; p. 1082.
- McCarter, Robert S., Cambridge, Mass. Support for lino-type-magazines. No. 1,229,106; June 5; v. 239; p. 246.
- McCarthy, Daniel B., and D. F. O'Brien, Chicago, Ill., assignors to A. G. Spalding & Bros., New York, N. Y. Boxing-glove. No. 1,232,819; July 10; v. 240; p. 458.

- McCarthy, Daniel J., Wilksburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electro-magnetic apparatus. No. 1,222,431; Apr. 10; v. 237; p. 533.
- McCarthy, James B., Birmingham, Mich., assignor to National Metal Molding Company, Pittsburgh, Pa. Insulator wall-bracket. No. 1,225,460; May 8; v. 238; p. 519.
- McCarthy, John F., New York, N. Y. Three-way pull-chain socket. No. 1,238,540; Aug. 28; v. 241; p. 1073.
- McCarthy, John J., Ouray, Colo. System of ruling. No. 1,238,795; Sept. 4; v. 242; p. 23.
- McCarthy, Joseph, Spokane, Wash. Newspaper-easel. No. 1,218,790; Mar. 13; v. 236; p. 353.
- McCarthy, Judson D. (See Johnson, Emil, assignor.)
- McCarthy, Louis, assignor to The Macallen Company, Boston, Mass. Hickey. No. 1,215,562; Feb. 13; v. 235; p. 414.
- McCarthy, Robert H., Madelia, Minn. Guard. No. 1,225,461; May 8; v. 238; p. 520.
- McCartney, Alexander H. (See Doney, Charles L., assignor.)
- McCarty, George B., Little Rock, Ark., assignor to Mergenthaler Linotype Company. Type or matrix. No. 1,236,851; Aug. 14; v. 241; p. 459.
- McCarty, John P., and F. W. Falck; said Falck assignor to R. G. Matzene, Los Angeles, Cal. Surf diving and skimming device. No. 1,222,114; Apr. 10; v. 237; p. 419.
- McCarty, Milton T. (See Stinson, Edward A., assignor.)
- McCarty, Roy I., Claysburg, assignor of one-third to D. R. Wynn, Phillipsburg, Pa., and one-third to W. A. Stanton, New York, N. Y. Brickmaking-machine. No. 1,211,464; Jan. 9; v. 234; p. 406.
- McCaskell, Jasper A., Salt Lake City, Utah. Refining sugar liquor. No. 1,221,553; Apr. 3; v. 237; p. 194.
- McCaskell, Jasper A., Salt Lake City, Utah. Refining sugar liquor. No. 1,221,554; Apr. 3; v. 237; p. 195.
- McCaskell, Jasper A., Salt Lake City, Utah, assignor, by mesne assignments, to United Filters Corporation. Head-locking mechanism. No. 1,244,222; Oct. 23; v. 243; p. 968.
- McCasky, John A., Hagerhill, Ky. Combined cigar and match case. No. 1,215,291; Feb. 6; v. 235; p. 281.
- McCasky, John A., Hagerhill, Ky. Corner-trowel. No. 1,229,630; June 12; v. 239; p. 473.
- McCaskey Register Company, The. (See Dunning, William E., assignor.)
- McCaskey Register Company, The. (See Hick, Harry J., assignor.)
- McCaskey Register Company, The. (See Jacobs, George, assignor.)
- McCaskey Register Company, The. (See Laganke, Charles F., assignor.)
- McCaskey Register Company, The. (See Silvius, Ellis T., assignor.)
- McCaskey Register Company, The. (See Wildman, Joseph E., assignor.)
- McCasin, Elmer L., Salina, Kans., assignor of one-half to F. C. Skinner, Webb, Canada. Dirigible light for automobiles. No. 1,213,220; Jan. 23; v. 234; p. 1082.
- McCasin, Harry M., assignor to American La France Fire Engine Company, Inc., Elmira, N. Y. Fire-extinguisher. No. 1,230,423; June 19; v. 239; p. 770.
- McCaughy, Clarence H., Rock Rapids, Iowa. Eye-shield attachment for caps. No. 1,219,972; Mar. 20; v. 236; p. 792.
- McCauley, Francis J. A., Detroit, Mich. Convertible vehicle-body. No. 1,249,793; Dec. 11; v. 245; p. 426.
- McCauley, Herbert J., Buffalo, assignor to The Rand Systems Corporation, Tonawanda, N. Y. Index-frame. No. 1,244,622; Oct. 30; v. 243; p. 1126.
- McCauley, John C. F., Fowler, Kans. Header. No. 1,216,585; Feb. 20; v. 235; p. 831.
- McCauley, John C. F., Fowler, Kans. Buffer. No. 1,217,033; Feb. 20; v. 235; p. 982.
- McCauley, Thomas H., Calgary, Alberta, Canada. Street-car door. No. 1,249,976; Dec. 11; v. 245; p. 478.
- McCausland, William A., Pittsburgh, Pa. Well-drilling apparatus. No. 1,211,198; Jan. 2; v. 234; p. 281.
- McCausland, William A., Pittsburgh, Pa. Well-drilling machinery. No. 1,211,199; Jan. 2; v. 234; p. 282.
- McCausland, William H., Los Angeles, Cal. Attaching half-soles to the bases of old shoes. No. 1,211,326; Jan. 2; v. 234; p. 326.
- McCay, William S. (See Sheehan, Edward J., assignor.)
- McChesney, John S., assignor to J. S. McChesney & Co., Chicago, Ill. Stapling-machine. No. 1,239,496; Sept. 11; v. 242; p. 276.
- McClain, Arthur E. (See Lewis, McClain, Skeen, and Massey.)
- McClain, William H. (See Bartlett and McClain.)
- McClaine, William F., Mason City, Iowa, assignor to Better Broom Company. Broom-machine. No. 1,235,349; July 31; v. 240; p. 1370.
- McClanahan, Frederick C., Little Rock, Ark. Adjustable scaffolding. No. 1,251,066; Dec. 25; v. 245; p. 891.
- McClaran, Elmer E., et al. (See Goss, Samuel F., assignor.)
- McClary Manufacturing Co., The. (See Gunn, John M., assignor.)
- McClasky, Lawson, Butte, Mont. Miner's cap. No. 1,223,991; Apr. 24; v. 237; p. 1146.
- McClave-Brooks Company. (See McClave, William, assignor.)
- McClave, William, assignor to McClave-Brooks Company, Scranton, Pa. Fuel-feeding device. No. 1,239,612; Sept. 11; v. 242; p. 313.
- McClay, Clarence G. (See McClay, William W. and C. G.)
- McClay, William W. and C. G., Chicago, Ill. Paper receptacle. No. 1,234,917; July 31; v. 240; p. 1240.
- McClay, William W. and C. G., Chicago, Ill. Carton. No. 1,235,824; Aug. 7; v. 241; p. 96.
- McClay, William W. and C. G., Chicago, Ill. Spring-wheel. No. 1,242,459; Oct. 9; v. 243; p. 355.
- McClay, William W. and C. G., Chicago, Ill. Receptacle. No. 1,243,315; Oct. 16; v. 243; p. 659.
- McClay, William W. and C. G., Chicago, Ill. Lamp attachment for sewing-machines. No. 1,243,316; Oct. 16; v. 243; p. 659.
- McClay, William W. and C. G., Chicago, Ill. Mailing-card. No. 1,244,522; Oct. 30; v. 243; p. 1095.
- McClellan, Lucian B., Green Bay, Wis. Pressure-regulating valve. No. 1,239,022; Sept. 4; v. 242; p. 97.
- McClellan, Aretas S., Kansas City, Mo. Rectal plug. No. 1,244,751; Oct. 30; v. 243; p. 1166.
- McCleary, Joseph F., Findlay, Ohio. Firearm. No. 1,222,778; Apr. 17; v. 237; p. 695.
- McCleary, Joseph F., Findlay, Ohio. Coupling means for rigid and flexible members. No. 1,233,379; July 17; v. 240; p. 675.
- McCleary, William, Wilmington, Del. Antiskid device. No. 1,218,430; Mar. 6; v. 236; p. 188.
- McClees, Albert J., Ellisville, Ill. Fence. No. 1,244,623; Oct. 30; v. 243; p. 1127.
- McClellan, Charles R., Pepperwood, Cal. Dirigible-lamp mechanism. No. 1,228,457; June 5; v. 239; p. 28.
- McClellan, Floyd E., Cleveland, Ohio. Dump-wagon. No. 1,237,796; Aug. 21; v. 241; p. 798.
- McClellan, Floyd E., Tiffin, Ohio. Dump-wagon. No. 1,248,879; Dec. 4; v. 245; p. 134.
- McClellan, James A., Menomonie, Wis. Vise attachment. No. 1,249,148; Dec. 4; v. 245; p. 207.
- McClellan, Orla E. (See Hinsh and McClellan.)
- McClellan, Stephen, Brooklyn, N. Y. Ratchet chain breast-drill. No. 1,249,794; Dec. 11; v. 245; p. 426.
- McClelland, David H., Chicago, Ill. Nail-making machine. No. 1,217,194; Feb. 27; v. 235; p. 1082.
- McClelland, David H., Pittsburgh, Pa. Nail-making machine. No. 1,221,555; Apr. 3; v. 237; p. 195.
- McClelland, Earby H., Tucson, Ariz. Compound high-pressure lubricating-pump. No. 1,228,335; May 29; v. 238; p. 1593.
- McClelland, Earby H., Tucson, Ariz. Gage-cock. No. 1,247,851; Nov. 27; v. 244; p. 899.
- McClelland, Earby H., assignor to J. F. Heimbach, trustee, Tucson, Ariz. High-pressure lubricating-pump with double discharge. No. 1,228,336; May 29; v. 238; p. 1593.
- McClelland, James T., Kings Mills, Ohio. Chair-leg attachment. No. 1,230,187; June 19; v. 239; p. 693.
- McClellan, Robert E. (See Minton and McClellan.)
- McClellon, James M. (See Doherty, Harry B., assignor.)
- McClellon, James M., Everett, Mass. Boiler. No. 1,248,356; Nov. 27; v. 244; p. 1040.
- McClenahan, Walter J. (See Knissel and McClenahan.)
- McClenahan, Walter L., Council Bluffs, Iowa. Coin-holder. No. 1,242,358; Oct. 9; v. 243; p. 322.
- McClenathen, Robert, Akron, Ohio, assignor, by mesne assignments, to International Harvester Corporation. Ignition system. No. 1,221,199; Apr. 3; v. 237; p. 70.
- McClenathen, Robert, Akron, Ohio, assignor, by mesne assignments, to International Harvester Corporation. Ignition system. No. 1,221,200; Apr. 3; v. 237; p. 70.
- McClenathen, Robert, Akron, Ohio, assignor, by mesne assignments, to International Harvester Corporation. Electric ignition system. No. 1,221,201; Apr. 3; v. 237; p. 71.
- McClintock, Charles D., Oakland, Cal., assignor to McClintock Engine Company, Detroit, Mich. Operating internal-combustion engines. No. 1,234,055; July 17; v. 240; p. 893.
- McClintock, Charles D., Oakland, Cal., assignor to McClintock Engine Company, Detroit, Mich. Internal-combustion engine. No. 1,234,056; July 17; v. 240; p. 894.
- McClintock, Frank, Grand Junction, Colo. Valve for internal-combustion-engines. No. 1,242,460; Oct. 9; v. 243; p. 355.
- McClintock Engine Company. (See McClintock, Charles D., assignor.)
- McClintock, J. Y., Rochester, N. Y. Guard-rail. No. 1,233,080; July 10; v. 240; p. 542.
- McCloskey, Alfred C., Philadelphia, Pa., assignor to Process Paper Manufacturing Company. Photographic paper. No. 1,213,925; Jan. 30; v. 234; p. 1355.
- McCloskey, John T., Dayton, Ohio. Tobacco stemming and booking machine. No. 1,214,336; Jan. 30; v. 234; p. 1498.
- McCloud, Edward H., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Locking and releasing device for fire-shutters. No. 1,216,822; Feb. 20; v. 235; p. 911.
- McCloud, Sidney, South Chicago, Ill. Spring. No. 1,250,332; Dec. 18; v. 245; p. 622.
- McCloy, William W., Philadelphia, Pa. Rail-plate. No. 1,220,864; Mar. 27; v. 236; p. 1141.

Alphabetical list of patentees—Continued.

- McCluer, Anna T., New York, N. Y. Chart-case. No. 1,224,396; May 1; v. 238; p. 101.
- McCluer, Anna T., New York, assignor of one-half to J. R. Taylor, Brooklyn, N. Y. Educational appliance. No. 1,243,957; Oct. 23; v. 243; p. 888.
- McClung, Floyd H., *et al.* (See Eades, Rodger, assignor.)
- McClure, Carey S., Dayton, Wyo. Hay-bunching machine. No. 1,227,058; May 22; v. 238; p. 1138.
- McClure Company, The. (See Cory, Fred P., assignor.)
- McClure, Harry K., Elk Lick, Pa. Trolley. No. 1,246,627; Nov. 13; v. 244; p. 476.
- McClure, Henry E., Marion, Ind. Battery-lamp. No. 1,210,821; Jan. 2; v. 234; p. 152.
- McClure, Roderick, Gilman, Mont. Demountable rim. No. 1,216,823; Feb. 20; v. 235; p. 911.
- McClure, Royal A., assignor to Universal Elevated Railway Company, Incorporated, Seattle, Wash. Monorail switch. No. 1,234,918; July 31; v. 240; p. 1240.
- McClure, Royal A., assignor to Universal Elevated Railway Company, Incorporated, Seattle, Wash. Monorail traction-wheel. No. 1,241,748; Oct. 2; v. 243; p. 89.
- McClure, Royal A., assignor to Universal Elevated Railway Company, Incorporated, Seattle, Wash. Monorail-truck. No. 1,245,480; Nov. 6; v. 244; p. 101.
- McClymonds, John R., Portersville, Pa. Fire-escape. No. 1,238,417; Aug. 28; v. 241; p. 1032.
- McColl, Francis P., Eastport, Me., assignor to American Key Can Company, Chicago, Ill. Roll-top receptacle and making same. No. 1,251,067; Dec. 25; v. 245; p. 891.
- McCollom, Charles R. (See Weeks, McCollom, and Haskell.)
- McCollom, William R., Chicago, Ill. Nut-lock. No. 1,238,796; Sept. 4; v. 242; p. 24.
- McCollough, William A., Webster City, Iowa. Slidable feeding-trough. No. 1,212,142; Jan. 9; v. 234; p. 640.
- McCollough, William A., Webster City, Iowa. Feeding-trough. No. 1,240,864; Sept. 25; v. 242; p. 775.
- McCollum, Alfred E., assignor of three-fifths to J. Magee, 2d, Bloomsburg, Pa. Feeding mechanism for sewing-machines. No. 1,238,541; Aug. 28; v. 241; p. 1074.
- McCollum, Alfred E., assignor of three-fifths to J. Magee, 2d, Bloomsburg, Pa. Shuttle. No. 1,238,542; Aug. 28; v. 241; p. 1074.
- McCollum, Alfred F., assignor of three-fifths to J. Magee, 2d, Bloomsburg, Pa. Knife-carrier for looms. No. 1,240,071; Sept. 11; v. 242; p. 455.
- McCollum, Burton, Washington, D. C. Alternating-current induction-motor. No. 1,226,091; May 15; v. 238; p. 775.
- McCollum, Earl E., Downers Grove, Ill. Valve-gearing mechanism. No. 1,211,952; Jan. 9; v. 234; p. 578.
- McCollum, Harry H., Crystal Lake, Ill. Gas-lighting apparatus. No. 1,216,824; Feb. 20; v. 235; p. 911.
- McCollum, James H. K., Toronto, Ontario, Canada, assignor to G. H. Gooderham, J. W. L. Forster, and The Argylls Limited, Alexandria, Scotland. Internal-combustion engine. No. 1,212,653; Jan. 16; v. 234; p. 853.
- McComb, Frederick E., Worcester, Mass. Device for stretching suspended fabric ceiling. No. 1,219,828; Mar. 20; v. 236; p. 742.
- McCombs, Charles C., Stephenville, Tex. Check-protector. No. 1,219,336; Mar. 13; v. 236; p. 540.
- McCombs, Charles C., Frisco, Tex. Pen-point holder. No. 1,219,337; Mar. 13; v. 236; p. 540.
- McConahey, William M., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Transformer insulation. No. 1,224,184; May 1; v. 238; p. 24.
- McConahy, James, Ellwood City, Pa. Nut-lock. No. 1,224,556; May 1; v. 238; p. 158.
- McConnell, Rolla. (See Wolford, William O., assignor.)
- McConnell, Alexander A. (See Lauer and McConnell.)
- McConnell, Daniel A., Malcom, Iowa. Cultivator attachment. No. 1,214,337; Jan. 30; v. 234; p. 1498.
- McConnell, Duncan A., Arlington, assignor to Lovell-McConnell Manufacturing Company, Newark, N. J. Diaphragm-horn. No. 1,228,226; May 29; v. 238; p. 1557.
- McConnell, Duncan A., assignor to Lovell-McConnell Mfg. Co., Newark, N. J. Diaphragm-horn. No. 1,232,583; July 10; v. 240; p. 380.
- McConnell, Duncan A., Arlington, and R. Wandras, Kearney, N. J. Flushing-valve. No. 1,217,792; Feb. 27; v. 235; p. 1291.
- McConnell, Drusilla C., Belton, S. C. Seed-separator. No. 1,247,433; Nov. 20; v. 244; p. 744.
- McConnell, Harry R., assignor to American Cork Screw Company, Richmond, Va. Machine for making corkscrews. No. 1,238,166; Aug. 28; v. 241; p. 951.
- McConnell, James M., Greensburg, Ind. Fire and burglar alarm. No. 1,239,497; Sept. 11; v. 242; p. 276.
- McConnell, John T., assignor of one-half to J. H. Newell, Wichita, Kans. Rail-clamp. No. 1,223,992; Apr. 24; v. 237; p. 1147.
- McConnell, Malcolm F., Steubenville, Ohio. Adjusting mechanism for rolling-mills. No. 1,218,286; Mar. 6; v. 236; p. 140.
- McConnell, Thomas, assignor to W. D. Murray, Hawera, New Zealand. Paint composition. No. 1,238,797; Sept. 4; v. 242; p. 24.
- McConnell, William, Philadelphia, Pa. Vehicle-fender. No. 1,249,149; Dec. 4; v. 245; p. 208.
- McConway & Torley Company, The. (See Bradford and Ritter, assignors.)
- McConway & Torley Company, The. (See George, Enoch, Jr., assignor.)
- McConway & Torley Company, The. (See Kelso, William, assignor.)
- McConway & Torley Company, The. (See McConway, William, Jr., assignor.)
- McConway & Torley Company, The. (See McConway and Regan, assignors.)
- McConway & Torley Company, The. (See Milliken, Isaac, H., assignor.)
- McConway & Torley Company, The. (See Redman, William A., assignor.)
- McConway & Torley Company, The. (See Regan, William J., assignor.)
- McConway, William, Jr., assignor to The McConway & Torley Company, Pittsburgh, Pa. Car-coupling. No. 1,214,338; Jan. 30; v. 234; p. 1498.
- McConway, William, Jr., and W. J. Regan, assignors to The McConway & Torley Company, Pittsburgh, Pa. Uncoupling mechanism. No. 1,226,092; May 15; v. 238; p. 776.
- McConway, William, Jr., and W. J. Regan, assignors to The McConway & Torley Company, Pittsburgh, Pa. Uncoupling and centering mechanism for car-couplings. No. 1,226,093; May 15; v. 238; p. 776.
- McConway, William, Jr., and W. J. Regan, assignors to The McConway & Torley Company, Pittsburgh, Pa. Uncoupling mechanism. No. 1,226,094; May 15; v. 238; p. 776.
- McCooe, Patrick H., Indiana Harbor, Ind. Anticreeper for railway-rails. No. 1,215,392; Feb. 13; v. 235; p. 351.
- McCool, Edward F., assignor to The McCool Mfg. & Trading Co., Victor, Colo. Driving mechanism for grinding-mills. No. 1,221,760; Apr. 3; v. 237; p. 263.
- McCool, Edward F., assignor to The McCool Mfg. & Trading Co., Victor, Colo. Grinding-mill. No. 1,241,749; Oct. 2; v. 243; p. 90.
- McCool, Joseph M., assignor to H. Brennan, Des Moines, Iowa. Shock-absorber. No. 1,230,496; June 19; v. 239; p. 795.
- McCool Mfg. & Trading Co., The. (See McCool, Edward F., assignor.)
- McCool, William A. (See Tucker and McCool.)
- McCoole, Frank. (See Rawdon and McCoole.)
- McCord and Company. (See Corvin, James F., assignor.)
- McCord & Company. (See Douty, Clarence D., assignor.)
- McCord & Company. (See Lamon, Judson A., assignor.)
- McCord and Company. (See Schlacks, William J., assignor.)
- McCord, David W., New York, N. Y., and I. A. Randel, Chicago, Ill. Car-axle-box lid. No. 1,228,576; June 5; v. 239; p. 69.
- McCord, John D., Manila, Philippine Islands. Copra-drying apparatus. No. 1,219,016; Mar. 13; v. 236; p. 432.
- McCord Manufacturing Company. (See Erickson, Edward S., assignor.)
- McCorkle, Charles M. (See Cline, Crowell, and McCorkle.)
- McCorkle, James T., Pueblo, Colo. Cooling-mixture-conserving means for gas-engines. No. 1,250,912; Dec. 18; v. 245; p. 795.
- McCorkindale, William, assignor of one-half to K. J. Yoerg and one-half to Holyoke Paper Products Company, Holyoke, Mass. Dispensing apparatus. No. 1,218,196; Mar. 6; v. 236; p. 107.
- McCormack, Coy D., Waynoka, Okla. Cook-stove. No. 1,229,990; June 12; v. 239; p. 590.
- McCormack, Coy D., Waynoka, Okla. Automobile attachment. No. 1,235,215; July 31; v. 240; p. 1330.
- McCormack, George A., South Boston, Mass., assignor to United States Fastener Company. Stud-and-socket fastener. No. 1,234,359; July 24; v. 240; p. 1030.
- McCormack, George B., Jersey City, N. J. Paper-feeder. No. 1,240,464; Sept. 18; v. 242; p. 619.
- McCormack, George E., Providence, R. I., assignor to Balfour Manufacturing Company. Photograph-case. No. 1,214,477; Jan. 30; v. 234; p. 1543.
- McCormack, Ira A., New York, N. Y. Lock. No. 1,219,973; Mar. 20; v. 236; p. 792.
- McCormick, John T., Kalamazoo, Mich. Fish bait or lure. No. 1,250,913; Dec. 18; v. 245; p. 796.
- McCormick, Frank L. (See Wurlitzer and McCormick.)
- McCormick, Hugh M., Chicago, Ill., assignor to Uplift Corset Company, Phoenix, Ariz. Designing corset-stays. No. 1,221,811; Apr. 3; v. 237; p. 282.
- McCormick, John, Northville, S. D. Door-holder. No. 1,236,728; Aug. 14; v. 241; p. 420.
- McCormick, John I., assignor to U. S. Slicing Machine Company, Chicago, Ill. Meat-adjusting plate for slicing-machines. No. 1,242,958; Oct. 16; v. 243; p. 548.
- McCormick, Joseph K., Union, Ind. Stock-feeder. No. 1,222,556; Apr. 10; v. 237; p. 577.
- McCormick, Langdon, New York, N. Y. Apparatus for lighting the screens used with cinematographs and the like. No. 1,210,960; Jan. 2; v. 234; p. 202.
- McCormick, Langdon, New York, N. Y. Method of and apparatus for displaying pictures. No. 1,230,188; June 19; v. 239; p. 694.
- McCormick, Langdon, Port Huron, Mich. Cinematograph. No. 1,210,961; Jan. 2; v. 234; p. 202.

- McCormick, Langdon, London, England. Cinematograph and the like effect. No. 1,211,200; Jan. 2; v. 234; p. 282.
- McCormick Manufacturing Company. (See Kopf, Melrose G., assignor.)
- McCormick, Robert R., Chicago, Ill. Trenching-tool. No. 1,220,666; Mar. 27; v. 236; p. 1073.
- McCourt, Cyril D. (See Bone, Wilson, and McCourt.)
- McCourt, James, Albany, Oreg. Railway-tie. No. 1,214,339; Jan. 30; v. 234; p. 1499.
- McCown, Charles F., Long Beach, assignor of one-half to J. S. Steely, Los Angeles, Cal. Cooker. No. 1,213,772; Jan. 23; v. 234; p. 1271.
- McCoy, Charles B. (See Roepke, William J., assignor.)
- McCoy, Charles W., Sprague, assignor to Refrigerator Car Equipment Co., Seattle, Wash. Apparatus and process for circulating liquids. No. 1,219,570; Mar. 20; v. 236; p. 653.
- McCoy, Edward A. (See Weiss, Arthur J., assignor.)
- McCoy, Fred C., *et al.* (See Bowen, Frank J., assignor.)
- McCoy, Henry A. (See Anderson and McCoy.)
- McCoy, James P. A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Molding material and making the same. No. 1,227,465; May 23; v. 238; p. 1272.
- McCoy, James P. A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Cement and making same. No. 1,236,190; Aug. 7; v. 241; p. 213.
- McCoy, James P. A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Halogenated resinous compound. No. 1,245,363; Nov. 6; v. 244; p. 66.
- McCoy, John F., deceased, Brooklyn, N. Y.; M. McCoy, administratrix. Automatic safety signaling and braking device for trains. No. 1,215,952; Feb. 13; v. 235; p. 554.
- McCoy, John F., deceased; M. McCoy, administratrix, Brooklyn, N. Y. Train-stopping trip or obstacle. No. 1,233,895; July 17; v. 240; p. 844.
- McCoy, John S., Scarbro, W. Va. Grease-cup. No. 1,226,786; May 22; v. 238; p. 1046.
- McCoy, Mary, administratrix. (See McCoy, John F.)
- McCoy, Robert L., Sergeants Bluff, Iowa. Funnel. No. 1,230,189; June 19; v. 239; p. 694.
- McCoy, Thomas J., Kane, Pa. Glass manufacture. No. 1,217,614; Feb. 27; v. 235; p. 1230.
- McCoy, Thomas J., Kane, Pa. Glass manufacture. No. 1,246,764; Nov. 13; v. 244; p. 514.
- McCoy, Walter E. (See Sprong and McCoy.)
- McCoy, William C., Danville, Ky. Tool-box. No. 1,249,439; Dec. 11; v. 245; p. 322.
- McCoy, William D., Brooklyn, N. Y. Ginning. No. 1,238,543; Aug. 28; v. 241; p. 1074.
- McCoy, William D., New York, N. Y. Indicating, registering, recording, and check-printing mechanism. No. 1,239,708; Sept. 11; v. 242; p. 345.
- McCrabb, Walter D., Nawata, Okla. Automatic shut-off for oil-tanks. No. 1,235,825; Aug. 7; v. 241; p. 97.
- McCracken, Emily, Hastings, Nebr. Silencing device for covers of commodes. No. 1,240,746; Sept. 18; v. 242; p. 704.
- McCracken, Isaac E., Pittsburgh, Pa. Vehicle-brake. No. 1,214,046; Jan. 30; v. 234; p. 1398.
- McCracken, J. Glen, La. Crosse, Kans. Cupboard-latch. No. 1,230,740; June 19; v. 239; p. 876.
- McCray, Harry F., and W. W. Goodrich, Reno, Nev. Engine-valve mechanism. No. 1,213,391; Jan. 23; v. 234; p. 1142.
- McCrea, William G., Bronxville, N. Y. Fruit-juice-dispensing device. No. 1,215,310; Feb. 6; v. 235; p. 288.
- McCready, Frank L., *et al.* (See Lester, Charles, assignor.)
- McCready, John R., Duncansville, Pa. Railway-tie. No. 1,243,084; Oct. 16; v. 243; p. 590.
- McCreary, Elijah R., Franklinton, La. Propelling mechanism for vessels. No. 1,236,191; Aug. 7; v. 241; p. 213.
- McCreary, Alexander, Hiawatha, Kans. Tractor. No. 1,212,525; Jan. 16; v. 234; p. 806.
- McCreary, Alexander, Hiawatha, Kans. Wheel-plow. No. 1,212,526; Jan. 16; v. 234; p. 806.
- McCreary, Alexander, Hiawatha, Kans. Gage-wheel-adjusting mechanism. No. 1,212,527; Jan. 16; v. 234; p. 806.
- McCreary, Alexander, Hiawatha, Kans. Lever and locking mechanism. No. 1,212,528; Jan. 16; v. 234; p. 807.
- McCrillis, Arthur M. (See Frankhauser and McCrillis.)
- McCrimmon, Alexander V., Beatrice, Nebr. Armor for pneumatic tires. No. 1,218,431; Mar. 6; v. 236; p. 189.
- McCroskey Reamer Co., The. (See Norton, Samuel H., assignor.)
- McCrosson, John T., Honolulu, Hawaii. Motor-vehicle load-compensator. No. 1,244,752; Oct. 30; v. 243; p. 1166.
- McCualg, Anthony W., and T. N. Chida, Los Angeles, Cal. Draftsman's appliance. No. 1,213,664; Jan. 23; v. 234; p. 1236.
- McCuin, William H., assignor of one-half to M. Hunter. Sourlake, Tex. Pumping-jack. No. 1,211,327; Jan. 2; v. 234; p. 326.
- McCulley, Charlie, Aldrich, Mo. Hinge. No. 1,220,356; Mar. 27; v. 236; p. 966.
- McCulley, Elmer E., St. Louis, Mo. Rotary motor. No. 1,239,412; Sept. 4; v. 242; p. 220.
- McCulloch, Alfred H. and C. D., Boston, Mass. Electric conductor. No. 1,216,337; Feb. 20; v. 235; p. 742.
- McCulloch, Caroline D. (See McCulloch, Alfred H. and C. D.)
- McCulloch, Harry G., assignor, by mesne assignments, to Stover Manufacturing and Engine Company, Freeport, Ill. Feed-mill. No. 1,225,449; May 8; v. 238; p. 516.
- McCulloch, Leon. (See Frederick and McCulloch.)
- McCulloch, Leon, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Cement. No. 1,241,531; Oct. 2; v. 243; p. 19.
- McCulloch, Allan, *et al.*, executors. (See Kendall, Edward D., assignor.)
- McCullough, Daniel B., Dike, Tex. Automatic quick-acting vise. No. 1,237,071; Aug. 14; v. 241; p. 530.
- McCullough, Hugh B., Brockwayville, Pa. Filing-index. No. 1,222,881; Apr. 17; v. 237; p. 731.
- McCurdy, Arthur L. S. (See Ewen and McCurdy.)
- McCurry, Earl M., Columbiana, Ohio. Tire-core. No. 1,247,434; Nov. 20; v. 244; p. 744.
- McCutchen, Homer C. (See Whitaker, Samuel T., assignor.)
- McCutchen, Lee R., Memphis, Tenn. Electric starting mechanism. No. 1,242,959; Oct. 16; v. 243; p. 549.
- McCutcheon, William A. (See Means, Charles M., assignor.)
- McDade, William F., Wilmington, Del. Steel rail. No. 1,236,192; Aug. 7; v. 241; p. 214.
- McDaid, Martin, Leith, Scotland, assignor, by mesne assignments, to Revere Rubber Company. Machine for winding the cores of golf-balls. No. 1,224,397; May 1; v. 238; p. 101.
- McDague, Eugene M., Albion, Ind. Necktie-holder. No. 1,236,958; Aug. 14; v. 241; p. 494.
- McDaniel, Albert E., assignor of one-half to V. Nees, Cedar Rapids, Iowa. Spark-plug. No. 1,246,966; Nov. 20; v. 244; p. 610.
- McDaniel, Charles W., Portsmouth, N. H. Duplex wrench. No. 1,246,447; Nov. 13; v. 244; p. 420.
- McDaniel, Claud M. (See McDaniel, James M. and C. M.)
- McDaniel, James. (See Hauser and McDaniel.)
- McDaniel, James, Minneapolis, Minn. Dust-separating fan. No. 1,222,779; Apr. 17; v. 237; p. 695.
- McDaniel, James M. and C. M., Wellington, Tex. Gate-operating mechanism. No. 1,237,797; Aug. 21; v. 241; p. 799.
- McDaniel, Joshua S., Wichita Falls, Tex. Bottle-washing apparatus. No. 1,217,887; Feb. 27; v. 235; p. 1322.
- McDaniel, Simm, Payette, Idaho. Truck loader and unloader. No. 1,246,765; Nov. 13; v. 244; p. 515.
- McDaniel, Thomas C., and R. M. Frawley, Rochester, N. Y. Window-screen. No. 1,217,793; Feb. 27; v. 235; p. 1291.
- McDaniel, Walter, Spokane, Wash. Saw-clamp. No. 1,239,709; Sept. 11; v. 242; p. 345.
- McDaniel, Walter O., assignor to Schroeter Brothers Hardware Company, St. Louis, Mo. Cherry-seeder. No. 1,235,706; Aug. 7; v. 241; p. 56.
- McDaniel, Walter O., assignor to Schroeter Brothers Hardware Company, St. Louis, Mo. Toy cannon. No. 1,244,876; Oct. 30; v. 243; p. 1204.
- McDaniels, Frank, Harlem, Mont. Restraining device. No. 1,217,034; Feb. 20; v. 235; p. 982.
- McDermott, Daniel A., Philadelphia, Pa. Vehicle-lock. No. 1,228,123; May 29; v. 238; p. 1526.
- McDermott, George L., Denver, Colo. Separable tool. No. 1,243,434; Oct. 16; v. 243; p. 693.
- McDermott, Laura E., *et al.* (See Howd, Aivah J., assignor.)
- McDermott, Robert, *et al.* (See Osser, Percy S., assignor.)
- McDevitt, Frederick H., Winthrop, assignor to The Stafford Company, Readville, Boston, Mass. Filling-feeler device for looms. No. 1,237,923; Aug. 21; v. 241; p. 838.
- McDevitt, John M., assignor of one-half to C. T. Rice, Purcell, Okla. Curtain-pole bracket. No. 1,231,923; July 3; v. 240; p. 130.
- McDivitt, William O., Bovina, N. Y. Ironing-board. No. 1,242,461; Oct. 9; v. 243; p. 356.
- McDonald, Charles L., Monticello, assignor of one-half to J. W. Penington, Brookhaven, Miss. Spring-motor. No. 1,212,782; Jan. 16; v. 234; p. 898.
- McDonald, Lee. (See Nelson and McDonald.)
- McDonald, Alexander J., Pittsburgh, Pa. Anchor-bolt. No. 1,242,569; Oct. 9; v. 243; p. 391.
- McDonald, Augustine. (See McNeil and McDonald.)
- McDonald, Charles D., Chicago, Ill. Attachment for ejectors of die-presses or like machines. No. 1,243,435; Oct. 16; v. 243; p. 693.
- McDonald, Charles D., assignor to McDonald Machine Co., Chicago, Ill. Metal-shearing machine. No. 1,227,162; May 22; v. 238; p. 1175.
- McDonald, Charles D., assignor to McDonald Machine Co., Chicago, Ill. Sectional scroll-ended shearing-die. No. 1,235,216; July 31; v. 240; p. 1330.
- McDonald, Charles R. (See Collister and McDonald.)
- McDonald, Charles R., Long Beach, Cal. Pressure-regulator. No. 1,219,974; Mar. 20; v. 236; p. 792.
- McDonald, Clarence T., Chicago, Ill. Refillable cartridge-fuse. No. 1,231,036; June 26; v. 239; p. 1016.
- McDonald, Duncan B. (See McNeil and McDonald.)
- McDonald, Eugene F., Jr., Chicago, Ill. Phonographic attachment. No. 1,217,794; Feb. 27; v. 235; p. 1292.

Alphabetical list of patentees—Continued.

- McDonald, Eugene V., Rochester, N. Y. Combined pencil sharpener and holder. No. 1,210,506; Jan. 2; v. 234; p. 44.
- McDonald, Frank E. (See Cayer, McDonald, and Eskholm.)
- McDonald, Frank M., Los Angeles, Cal. Surgical apparatus. No. 1,244,624; Oct. 30; v. 243; p. 1127.
- McDonald, George G., St. Esprit, Nova Scotia, Canada. Rowboat. No. 1,226,095; May 15; v. 238; p. 777.
- McDonald, Hans P., River Falls, Wis. Miter-box. No. 1,214,561; Feb. 6; v. 235; p. 27.
- McDonald, Hugh J., New Orleans, La. Clock-bank arrangement. No. 1,251,396; Dec. 25; v. 245; p. 987.
- McDonald Hydro-Electro Heating Company Limited. (See McDonald, John D., assignor.)
- McDonald, Jesse S., Elberton, Ga. Lock for mail-boxes. No. 1,235,707; Aug. 7; v. 241; p. 56.
- McDonald, John D., Sudbury, Ontario, Canada, assignor to McDonald Hydro-Electro Heating Company Limited. Electrically-heated radiator. No. 1,211,606; Jan. 9; v. 234; p. 454.
- McDonald, Joseph A. (See Elmstrom and McDonald.)
- McDonald, Leslie R., Montreal, Canada, assignor to Motion Display Corporation. Impulse-motor. No. 1,230,497; June 19; v. 239; p. 795.
- McDonald, Leslie R., assignor to M. V. O'Leary, Montreal, Quebec, Canada. Power apparatus. No. 1,250,914; Dec. 18; v. 245; p. 796.
- McDonald Machine Co. (See McDonald, Charles D., assignor.)
- McDonald, Martin, Washington, D. C. Fastening device. No. 1,236,458; Aug. 14; v. 241; p. 329.
- McDonald, Neil, Pender Harbour, British Columbia, Canada. Guv-line tightener. No. 1,229,302; June 12; v. 239; p. 362.
- McDonald, William E. (See Chapin, Levi J., assignor.)
- McDonald, William J., Huntington, W. Va., assignor to American Car and Foundry Company, St. Louis, Mo. Oilier with cast ductile casings. No. 1,244,753; Oct. 30; v. 243; p. 1166.
- McDonald, William L., and P. P. Stewart, Chicago, Ill. Gearing. No. 1,247,558; Nov. 20; v. 244; p. 778.
- McDonald, William R., and W. J. Milne, Portland, Oreg. Dispensing apparatus. No. 1,219,651; Mar. 20; v. 236; p. 680.
- McDonell, John L. (See Krekeler, Albert J., assignor.)
- McDonell, William E., assignor to E. Kirstein Sons Company, Rochester, N. Y. Temple for spectacles and making same. No. 1,225,843; May 8; v. 238; p. 480.
- McDonnell Bottle Cap Company, The. (See McDonnell, James F., assignor.)
- McDonnell, George P., Mullinahone, Ireland. Starting mechanism for the motors of motor road-vehicles. No. 1,211,605; Jan. 9; v. 234; p. 454.
- McDonnell, James F., Lakewood, Ohio, assignor to The McDonnell Bottle Cap Company. Bottle-cap. No. 1,233,896; July 17; v. 240; p. 844.
- McDonough, Patrick W. (See Focha, William F., assignor.)
- McDonough, Robert H., Hamtramck, Mich. Combination-lock. No. 1,249,440; Dec. 11; v. 245; p. 322.
- McDonough, Thomas F., Jr., Glen Cove, N. Y. Fly-trap. No. 1,229,107; June 5; v. 239; p. 246.
- McDonough, William H., New York, N. Y., assignor, by mesne assignments, to The American Brake Shoe and Foundry Company, Wilmington, Del. Reinforcing back-plate and key-lug attachment for brake-shoes. No. 1,224,476; May 1; v. 238; p. 130.
- McDonough, William H., New York, N. Y., assignor, by mesne assignments, to The American Brake Shoe and Foundry Company, Wilmington, Del. Combined reinforcing-plate and key-lug for brake-shoes. No. 1,226,545; May 15; v. 238; p. 926.
- McDonough, William H., New York, N. Y., assignor, by mesne assignments, to The American Brake Shoe and Foundry Company, Wilmington, Del. Combined reinforcing-plate and key-lug for brake-shoes. No. 1,227,282; May 22; v. 238; p. 1214.
- McDonough, William H., New York, N. Y., assignor, by mesne assignments, to The American Brake Shoe and Foundry Company, Wilmington, Del. Brake-shoe. No. 1,228,683; June 5; v. 239; p. 104.
- McDougall, Charles W., Jr., Beagle, Kans. Hover. No. 1,235,350; July 31; v. 240; p. 1370.
- McDougall, Alexander, Duluth, Minn. Auxiliary hydraulic steering device for vessels. No. 1,243,197; Oct. 16; v. 243; p. 624.
- McDougall, Alexander, Duluth, Minn. Jury-rigged sail for ships. No. 1,243,198; Oct. 16; v. 243; p. 624.
- McDougall, Alexander and A. M., Duluth, Minn. Ship construction. No. 1,233,380; July 17; v. 240; p. 676.
- McDougall, Alexander and A. M., Duluth, Minn. Sea-going canal-boat. No. 1,233,381; July 17; v. 240; p. 676.
- McDougall, Alexander M. (See McDougall, Alexander and A. M.)
- McDougall, Clarence A., and J. M. Givens, Omaha, Nebr. Mail-carrying apparatus. No. 1,236,459; Aug. 14; v. 241; p. 330.
- McDougall Company. (See Bertram, Henry W., assignor.)
- McDougall, Ralph F., et al. (See Hersey, Arthur J., assignor.)
- McDougall, Raymond, Melbourne, Victoria, Australia. Detachable garment-securing device for war-ribbons. No. 1,235,580; Aug. 7; v. 241; p. 17.
- McDougall, William C., Pittsburgh, Pa. Submarine escapement-tube. No. 1,233,489; July 17; v. 240; p. 712.
- McDowall, Thomas R., and S. G. Perkins, London, England. Glazing-bar. No. 1,229,631; June 12; v. 239; p. 473.
- McDowell, Alexander, deceased; I. R. McDowell, administratrix, assignor to V. H. McDowell, Lynn, Mass. Polishing-roll. No. 1,216,244; Feb. 13; v. 235; p. 658.
- McDowell, Cantella D., Pontiac, Mich. Self-winding hose-reel. No. 1,227,466; May 22; v. 238; p. 1272.
- McDowell, Charles A., Prineville, Oreg. Currycomb. No. 1,243,846; Oct. 23; v. 243; p. 855.
- McDowell, Edward C., Hamilton, Ontario, Canada. Brake-beam. No. 1,222,882; Apr. 17; v. 237; p. 732.
- McDowell, Ernest L., Arkansas City, Kans. Device for fitting eyeglass-lenses. No. 1,217,035; Feb. 20; v. 235; p. 982.
- McDowell, George, Brooklyn, N. Y. Feed-water heater. No. 1,217,795; Feb. 27; v. 235; p. 1292.
- McDowell, Ida R., administratrix. (See McDowell, Alexander.)
- McDowell, James, Brooklyn, N. Y. Exhaust device for internal-combustion engines. No. 1,217,615; Feb. 27; v. 235; p. 1231.
- McDowell, John L., Berwick, Pa., assignor to American Car and Foundry Company, St. Louis, Mo. Tight and loose running-gear. No. 1,224,760; May 1; v. 238; p. 229.
- McDowell, Lewis A., Luverne, Minn. Spark-plug. No. 1,247,978; Nov. 27; v. 244; p. 934.
- McDowell, Lewis J., Brooklyn, assignor to Wheeler McDowell Elevator Company, New York, N. Y. Automatic motor-controller. No. 1,226,546; May 15; v. 238; p. 926.
- McDowell, Orin H. (See Swain, Claude R., assignor.)
- McDowell, Robert G., Walkerville, assignor of one-half to A. W. Charles, Butte, Mont. Valve. No. 1,240,586; Sept. 18; v. 242; p. 655.
- McDowell, Valentine H. (See McDowell, Alexander, assignor.)
- McDuffie, John F. (See Hughes and McDuffie.)
- McEachron, Lynn P., Hoosick Falls, N. Y. Tool-holder. No. 1,221,556; Apr. 3; v. 237; p. 195.
- McElhinny, John W., Chicago, assignor of one-half to W. M. Roberts, Oak Park, Ill. Table and kit-carrier. No. 1,239,023; Sept. 4; v. 242; p. 98.
- McElrath, William W., Jr., East Radford, Va. Muffler for internal-combustion engines. No. 1,245,364; Nov. 6; v. 244; p. 66.
- McElroy, James F., Albany, N. Y., assignor to Consolidated Car-Heating Company. Operating mechanism for car-doors. No. 1,221,202; Apr. 3; v. 237; p. 71.
- McElroy, James F., Albany, N. Y., assignor to Consolidated Car-Heating Company. Electric heater. No. 1,227,637; May 29; v. 238; p. 1360.
- McElroy, James F., deceased, Albany, N. Y.; S. H. McElroy, executrix, assignor to Consolidated Car-Heating Company. Trolley-controlled apparatus. No. 1,215,393; Feb. 13; v. 235; p. 351.
- McElroy, James F., deceased, Albany, N. Y.; S. H. McElroy, executrix, assignor to Consolidated Car Heating Company. Electrical plug and socket. No. 1,228,577; June 5; v. 239; p. 69.
- McElroy, John H. (See Hopkins, Harvey L., assignor.)
- McElroy, John H., Chicago, Ill. Shower-bath apparatus. No. 1,225,985; May 15; v. 238; p. 738.
- McElroy, K. P. (See Chute, Harry O., assignor.)
- McElroy, Robert L. (See Cookson, Clarence F., assignor.)
- McElroy, Robert L. (See Nolen and McElroy.)
- McElroy, Robert L. (See Penney, Harold D., assignor.)
- McElroy, Robert L., New York, N. Y. Wrench. No. 1,222,780; Apr. 17; v. 237; p. 696.
- McElroy, Robert L., New York, N. Y. Muffler. No. 1,242,219; Oct. 9; v. 243; p. 279.
- McElroy, Susie H., executrix. (See McElroy, James F.)
- McElveen, Aaron, Stilson, Ga. Honey sample-case. No. 1,218,432; Mar. 6; v. 236; p. 189.
- McElwee, Winfred. (See Sharp, Mitchell, assignor.)
- McEntire, Barnie B., Irmo, S. C. Locomotive reversing device. No. 1,248,357; Nov. 27; v. 244; p. 1040.
- McEntire, Ford, Shelby, N. C. Churn. No. 1,225,462; May 8; v. 238; p. 520.
- McEntire, Victor H., Conneaut Lake, Pa. Rope-coupling. No. 1,241,230; Sept. 25; v. 242; p. 888.
- McEntyre, Levi, Cayuga, Ind. Car-replacer. No. 1,232,063; July 3; v. 240; p. 178.
- McErlane, David, Springburn, Glasgow, Scotland. Machine for dividing and measuring dough. No. 1,231,396; June 26; v. 239; p. 1135.
- McErlane, David, Springburn, Glasgow, Scotland. Fitting for adjustable couch-ends, chair-backs, and the like. No. 1,238,035; Aug. 21; v. 241; p. 874.
- McEvoy, Henry. (See Corke, Ruloff D., assignor.)
- McEvoy, James H. (See Dutton and Jobson, assignors.)
- McEwan, William, Freeland Park, Ind. Dumping-wagon. No. 1,210,822; Jan. 2; v. 234; p. 152.
- McEwen, Norman S., Nashville, Tenn. Coupling for pneumatic tires. No. 1,213,518; Jan. 23; v. 234; p. 1186.

- McEwen, Norman S., Nashville, Tenn. Pneumatic coupling. No. 1,245,115; Oct. 30; v. 243; p. 1276.
- McEwen, Willard M. (See Olson, Gustaf, assignor.)
- McEwen, Willard M., *et al.* (See Olson, Gustaf, assignor.)
- McEwen, Willard M., Chicago, Ill. Air-circulating device. No. 1,214,199; Jan. 30; v. 234; p. 1448.
- McEwen, Willard M., Chicago, Ill. Electric fan. No. 1,214,698; Feb. 6; v. 235; p. 76.
- McEwen, Willard M., Chicago, Ill. Ceiling-fan. No. 1,246,967; Nov. 20; v. 244; p. 611.
- McEwen, Willard M., assignor of one-third to G. Olson, Chicago, Ill., and one-third to L. Greenberg, Kokomo, Ind. Electric fan. No. 1,214,198; Jan. 30; v. 234; p. 1448.
- McFadden, Patrick H., Spokane, Wash. Rail-antireeper. No. 1,221,203; Apr. 3; v. 237; p. 71.
- McFall, Earl D. (See Ratekin, Emery J., assignor.)
- McFarland Company. (See McFarland, George, assignor.)
- McFarland, George, assignor to McFarland Company, Peoria, Ill. Manifold. No. 1,249,647; Dec. 11; v. 245; p. 382.
- McFarland, George, and C. F. Loomis, Peoria, Ill. Tractor. No. 1,222,557; Apr. 10; v. 237; p. 578.
- McFarland, Guy E., Ollie, Mont. Crate. No. 1,217,796; Feb. 27; v. 235; p. 1293.
- McFarland, Harvey P. (See Moir and McFarland.)
- McFarland-Hyde Company. (See Wilson, Harrison D., assignor.)
- McFarland, James W., Los Angeles, Cal. Radiator. No. 1,233,081; July 10; v. 240; p. 542.
- McFarland, Melvin F., Buffalo, N. Y. Toilet-case for automobiles. No. 1,243,958; Oct. 23; v. 243; p. 889.
- McFarlane, John. (See McIntyre, John J., assignor.)
- McFee, William E., Mount Carroll, Ill. Corn-shock tier. No. 1,235,217; July 31; v. 240; p. 1330.
- McFell, Judson, Chicago, Ill. Electrical signal-transmitter. No. 1,233,679; July 17; v. 240; p. 774.
- McFerren, William S., Chambersburg, Pa. Pump. No. 1,238,036; Aug. 21; v. 241; p. 874.
- McFerren, William S., assignor of one-third to H. A. Bergner, Chambersburg, Pa. Double-action pump. No. 1,217,195; Feb. 27; v. 235; p. 1082.
- McFranklin, Benjamin F., Diamond, Ohio. Lamp-chimney attachment. No. 1,214,200; Jan. 30; v. 234; p. 1449.
- McGaffee, James F., Des Moines, Iowa. Ladder device for silos. No. 1,231,037; June 26; v. 239; p. 1016.
- McGahan, Frederick L., Los Angeles, Cal. Condensing and vacuum draft mechanism for furnaces. No. 1,217,100; Feb. 20; v. 235; p. 1004.
- McGahan, Frederick L., Los Angeles, Cal. Treatment of ores and substances. No. 1,239,282; Sept. 4; v. 242; p. 181.
- McGary, Alexander, New York, N. Y., assignor to Gould Coupler Company. Electrical system of distribution. No. 1,239,710; Sept. 11; v. 242; p. 346.
- McGary & Co., John A. (See Nelson, Herman, assignor.)
- McGavisk, Fredrick J., Grand Haven, Mich. Oil-retainer for barrels of firearms. No. 1,229,991; June 12; v. 239; p. 590.
- McGee, Frank A., assignor to The Warner Brothers Company, Bridgeport, Conn. Buckle. No. 1,245,749; Nov. 6; v. 244; p. 163.
- McGee, Hugh J., Seattle, Wash. Sand-spreader. No. 1,245,250; Nov. 6; v. 244; p. 33.
- McGee, James W., Bessemer, assignor of one-half to W. V. Tatum, Ensley, Ala. Brake-beam fulcrum. No. 1,250,915; Dec. 18; v. 245; p. 796.
- McGee, Leonard L., near Albany, Ore. Boat. No. 1,231,924; July 3; v. 240; p. 130.
- McGee, William J., Daisy, Ga. Dumping-wagon. No. 1,245,000; Oct. 30; v. 243; p. 1241.
- McGehee, John S., assignor of one-half to A. H. Braun, Palmersville, Tenn. Roofing. No. 1,226,547; May 15; v. 238; p. 927.
- McGehee, Tom S., Lockney, Tex. Vehicle-wheel tire. No. 1,231,397; June 26; v. 239; p. 1136.
- McGeouch, William P., Arlington, assignor to Boston Woven Hose & Rubber Co., Cambridge, Mass. Apparatus for treating rubber articles. No. 1,213,665; Jan. 23; v. 234; p. 1237.
- McGiehan, Isaac S., Mount Vernon, N. Y. Pneumatic tire for vehicles and making the same. No. 1,225,344; May 8; v. 238; p. 480.
- McGiehan, Isaac S., New York, N. Y. Impregnating fabrics with rubber. No. 1,228,458; June 5; v. 239; p. 28.
- McGiffert, John R., assignor to Clyde Iron Works, Duluth, Minn. Operating mechanism for scraper-buckets. No. 1,231,275; June 26; v. 239; p. 1095.
- McGiffert, John R., assignor to Clyde Iron Works, Duluth, Minn. Cable-block. No. 1,243,847; Oct. 23; v. 243; p. 856.
- McGill, George W., Cleveland, Mo. Tractor-plow. No. 1,224,761; May 1; v. 238; p. 230.
- McGill, Gratton L., *et al.* (See Still, Richard V., assignor.)
- McGill, Robert J., Chicago, Ill. Means for handling waste paper, rags, and the like. No. 1,236,376; Aug. 7; v. 241; p. 269.
- McGill, William L., Foster, Ky. Animal-yoke. No. 1,245,116; Oct. 30; v. 243; p. 1276.
- McGinley, Thomas A., assignor to The Duff Manufacturing Company, Pittsburgh, Pa. Journal-bushing for jacks. No. 1,220,991; Mar. 27; v. 236; p. 1181.
- McGinness, Joseph E., Pittsburgh, Pa. Heating apparatus. No. 1,218,880; Mar. 13; v. 236; p. 386.
- McGinnis, David R., Fresno, Cal. Means for saving heat. No. 1,214,047; Jan. 30; v. 234; p. 1398.
- McGinnis, Zales S. (See Mapes, John, assignor.)
- McGinnitey, John F. (See Sherman and McGinnitey.)
- McGirr, John, De Kalb, Ill., assignor of four-tenths to J. Ginsburg and one-tenth to G. P. Hambrecht, Grand Rapids, Wis. Excavator and loader. No. 1,229,992; June 12; v. 239; p. 590.
- McGirr, William J., assignor of one-half to J. J. Dunn, Pinsonfork, Ky. Metal tie. No. 1,223,061; Apr. 17; v. 237; p. 792.
- McGivrey, John W. A., assignor of one-half to G. W. Miller, Albia, Iowa. Automatic teeth-cleaning attachment for manure-spreader cylinders. No. 1,227,919; May 29; v. 238; p. 1457.
- McGlaughlin, Robert, Montreal, Quebec, Canada. Combined axle-lubricating device and nut-lock. No. 1,231,180; June 26; v. 239; p. 1064.
- McGlinchy, Frank. (See Wilson and McGlinchy.)
- McGlinchy, James H. (See Hood, Anderson, Fitters, McGlinchy, Gagnon, and Kidder.)
- McGlone, Martin, Des Moines, Iowa. Clean-out fitting. No. 1,213,221; Jan. 23; v. 234; p. 1083.
- McGlothlen, John L. (See Brooks, Hugh O., assignor.)
- McGoldrick, Thomas E., *et al.* (See Rogan, Patrick J., assignor.)
- McGonegal, Glenn S., Woodburn, Ore. Nut-lock. No. 1,212,783; Jan. 16; v. 234; p. 898.
- McGonigal, Jerome T., Pottersdale, assignor of one-half to M. T. Bowman, Clearfield, Pa. Mouthpiece for telephones and the like. No. 1,225,463; May 8; v. 238; p. 520.
- McGovern, James, assignor to The White-Warner Company, Taunton, Mass. Combination coal and gas stove. No. 1,211,864; Jan. 9; v. 234; p. 545.
- McGowan, Frank M., *et al.* (See Weiss, George F., assignor.)
- McGowan, James W., Seattle, Wash. Baking-machine. No. 1,238,544; Aug. 28; v. 241; p. 1075.
- McGowan, Richard F., Columbus, Ohio. Furnace. No. 1,243,959; Oct. 23; v. 243; p. 889.
- McGowan, William D., Jersey City, N. J. Rotary power member. No. 1,232,946; July 10; v. 240; p. 501.
- McGowen, Francis J., and K. W. Thalhammer, assignors of five-twelfths to said McGowen, one-fourth to said Thalhammer, and one-third to I. R. Forbes, Los Angeles, Cal. Telephone signal and recorder. No. 1,224,185; May 1; v. 238; p. 25.
- McGrady, John, Hancock, Minn. Plow. No. 1,251,068; Dec. 25; v. 245; p. 892.
- McGrail, Dominick J. (See Gallaher and McGrail.)
- McGrath, George B., Norfolk, Va. Making paving mixtures. No. 1,234,360; July 24; v. 240; p. 1030.
- McGrath, John T., Bloomington, Ill. Signal device. No. 1,249,795; Dec. 11; v. 245; p. 427.
- McGrath, Joseph M., and J. T. Lane, San Francisco, Cal. Window-screen. No. 1,236,193; Aug. 7; v. 241; p. 214.
- McGrath, Lawrence F., New York, N. Y. Container. No. 1,213,119; Jan. 16; v. 234; p. 1014.
- McGrath, Maurice K., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone apparatus. No. 1,211,607; Jan. 9; v. 234; p. 455.
- McGrath, Maurice K., assignor to Western Electric Company, New York, N. Y. Selector-switch. No. 1,245,481; Nov. 6; v. 244; p. 101.
- McGrath, Patrick H., Wollaston, Mass., assignor to Intertype Corporation, Brooklyn, N. Y. Line and space indicating mechanism for typographical machines. No. 1,229,108; June 5; v. 239; p. 246.
- McGrath, Patrick J., Elizabeth, N. J. Lawn-mower shears. No. 1,214,562; Feb. 6; v. 235; p. 27.
- McGrath, Thomas F., Anaconda, Mont. Apparatus for extracting values from flue-dust. No. 1,236,531; Aug. 14; v. 241; p. 370.
- McGrath, Thomas W., Silverton, Ore. Gate. No. 1,222,223; Apr. 10; v. 237; p. 459.
- McGraw Tire & Rubber Company, The. (See Zwislser, Irvin, assignor.)
- McGray, Arthur N., New York, N. Y. Submarine mine and propeller-entanglement. No. 1,226,348; May 15; v. 238; p. 864.
- McGregor, Alexander G., Warren, Ariz. Automobile-hood. No. 1,215,684; Feb. 13; v. 235; p. 459.
- McGregor, John, deceased; M. McGregor, executrix, St. John, New Brunswick, Canada. External-compression self-tightening chuck. No. 1,237,353; Aug. 21; v. 241; p. 657.
- McGregor, John, deceased; M. McGregor, administratrix, St. John, New Brunswick, Canada. Internal-expansion self-tightening chuck. No. 1,245,251; Nov. 6; v. 244; p. 33.
- McGregor, Margaret, administratrix. (See McGregor, John.)
- McGregor, Virgil L., Crookston, Minn. Combined earth-disintegrating and weeding machine. No. 1,245,252; Nov. 6; v. 244; p. 33.
- McGrew, Charles L., Kansas City, Mo. Automatic safety steering device. No. 1,221,761; Apr. 3; v. 237; p. 263.
- McGuane, Felix J., Chicago, Ill. Liquid-elevating apparatus. No. 1,221,069; Apr. 3; v. 237; p. 23.

Alphabetical list of patentees—Continued.

- McGuane, Felix J., Chicago, Ill. Liquid-elevator. No. 1,221,070; Apr. 3; v. 237; p. 23.
- McGuckin, Hugh, Syracuse, N. Y. Tractor-belt. No. 1,245,001; Oct. 30; v. 243; p. 1241.
- McGuckin, John J., Brooklyn, N. Y. Flash-light. No. 1,211,465; Jan. 9; v. 234; p. 407.
- McGuinness, Benjamin F., Saundersville, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread-catcher for looms. No. 1,220,667; Mar. 27; v. 236; p. 1073.
- McGuinness, Benjamin F., Saundersville, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-detecting mechanism for looms. No. 1,223,708; Apr. 24; v. 237; p. 1050.
- McGuire, Arthur L., St. Louis, Mo. Coat-hanger. No. 1,225,150; May 8; v. 238; p. 412.
- McGuire, Charles, Seattle, Wash. Cableway. No. 1,222,007; Apr. 10; v. 237; p. 383.
- McGuire, James C., Bridgewater, Mass. Block-holding attachment for leather-cutting machines. No. 1,218,433; Mar. 6; v. 236; p. 189.
- McGuire, James F. (See Seese and McGuire.)
- McGuire, Michael L., Syracuse, N. Y. Sewer-vent cap. No. 1,215,685; Feb. 13; v. 235; p. 460.
- McGuire, Robert F., assignor of one-half to R. B. Griffith, Grand Forks, N. D. Bundle carrier and shocker attachment. No. 1,220,865; Mar. 27; v. 236; p. 1141.
- McGuire, Robert F., assignor of one-half to R. B. Griffith, Grand Forks, N. D. Combined bundle carrier and shocker device. No. 1,220,866; Mar. 27; v. 236; p. 1141.
- McGuire, Walter S., Shadyside, Ohio. Door-check. No. 1,218,434; Mar. 6; v. 236; p. 190.
- McGurn, Christopher J., and C. L. Tanner, Miles City, Mont. Nut-lock. No. 1,212,143; Jan. 9; v. 234; p. 641.
- McHale, Paul, and T. J. Judge, Worcester, Mass. Culinary strainer. No. 1,246,291; Nov. 13; v. 244; p. 373.
- McHannan, Charles B., Abington, Mass. Shoe-fastener. No. 1,247,435; Nov. 20; v. 244; p. 744.
- McHardy, James A., and H. M. Howard, Providence, R. I. Filter. No. 1,247,979; Nov. 27; v. 244; p. 935.
- McHarg, Arthur V. A. (See Murray and McHarg.)
- McHugh, James B., Lockport, N. Y. Dust-collector. No. 1,235,581; Aug. 7; v. 241; p. 17.
- McIlvane, Frank, assignor to Diamond Power Specialty Company, Detroit, Mich. Boiler-cleaner. No. 1,231,276; June 26; v. 239; p. 1095.
- McIlvane, Frank, assignor to Diamond Power Specialty Company, Detroit, Mich. Boiler-cleaner. No. 1,245,750; Nov. 6; v. 244; p. 183.
- McIlvenny, John, Norwich, Conn. Garment-supporting clasp. No. 1,212,529; Jan. 16; v. 234; p. 807.
- McIndoe, James W., and A. E. Whitney, Winchester, Mass. Impression-roll. No. 1,230,190; June 19; v. 239; p. 694.
- McInerney, Benjamin, Council Bluffs, Iowa, assignor to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Polyphase-electromagnet brake control. No. 1,238,313; Aug. 28; v. 241; p. 999.
- McInnis, Lauchlin, and D. E. Semon, St. Paul, N. C. Pressure-indicator for tires. No. 1,220,867; Mar. 27; v. 236; p. 1142.
- McInrue, John, assignor to Chalmers & Williams, Inc., Chicago Heights, Ill. Pulley for disk crushers. No. 1,247,302; Nov. 20; v. 244; p. 706.
- McIntire, Richard E., Chicago, Ill., assignor to International Harvester Company of New Jersey. Shaft-coupling for reels. No. 1,211,865; Jan. 9; v. 234; p. 546.
- McIntire, Roy F., Pella, Iowa. Drafting instrument. No. 1,225,464; May 8; v. 238; p. 520.
- McIntosh, Burnett, Brooklyn, N. Y., assignor to F. A. Hall, Montclair, N. J. Bed. No. 1,230,913; June 26; v. 239; p. 971.
- McIntosh, Burnett, Brooklyn, N. Y., assignor to F. A. Hall, Montclair, N. J. Bed-bottom or the like. No. 1,242,960; Oct. 16; v. 243; p. 549.
- McIntosh, Charles C., Los Angeles, assignor to G. D. Parker, Riverside, Cal. Brush construction. No. 1,222,645; Apr. 17; v. 237; p. 649.
- McIntosh, Grace, executrix. (See Gagnon, Frederick J.)
- McIntosh, James, Norristown, Pa., assignor to Diamond State Fibre Company, Elsmere, Del. Waterproof material and making same. No. 1,236,460; Aug. 14; v. 241; p. 330.
- McIntosh, James, Norristown, assignor to Diamond State Fibre Company, Bridgeport, Pa. Fiber product. No. 1,236,461; Aug. 14; v. 241; p. 331.
- McIntosh, James, Norristown, Pa., assignor to Diamond State Fibre Company, Elsmere, Del. Making fiber product. No. 1,236,959; Aug. 14; v. 241; p. 494.
- McIntosh, John A., Chicago, Ill. Disk grinder. No. 1,235,708; Aug. 7; v. 241; p. 56.
- McIntosh, John C., The Glen, Paisley, assignor to W. H. Alexander and J. Liddle, Glasgow, Scotland. Valve and valve-gear of internal-combustion engines. No. 1,211,201; Jan. 2; v. 234; p. 282.
- McIntosh, John C., The Glen, Paisley, assignor to W. H. Alexander and J. Liddle, Glasgow, Scotland. Valve for internal-combustion engines. No. 1,211,202; Jan. 2; v. 234; p. 282.
- McIntosh, Peter, Keremeos, British Columbia, Canada. Rail-joint. No. 1,237,924; Aug. 21; v. 241; p. 838.
- McIntosh, Robert C., Plainfield, N. J. Door-hanger. No. 1,226,548; May 15; v. 238; p. 927.
- McIntosh, Robert L., Wilmette, and R. G. Taylor, Chicago, Ill. Draft-gear. No. 1,243,085; Oct. 16; v. 243; p. 591.
- McIntosh, Thomas. (See Blough and McIntosh.)
- McIntosh, William G., Plankinton, S. D. Toy. No. 1,224,398; May 1; v. 238; p. 102.
- McIntosh, William J., Tallahassee, Ala. Gearing. No. 1,244,223; Oct. 23; v. 243; p. 968.
- McIntyre, Andrew A., Camden, N. J., assignor to J. L. Young, Philadelphia, Pa. Heel-breasting mechanism. No. 1,237,925; Aug. 21; v. 241; p. 838.
- McIntyre, Gilbert, Denholm, Saskatchewan, Canada. Combined scoop and sack-filler. No. 1,234,057; July 17; v. 240; p. 894.
- McIntyre, Isabella, Bryn Mawr, Pa. Casing for bottles. No. 1,241,640; Oct. 2; v. 243; p. 56.
- McIntyre, John C., Hoopeston, assignor to Sprague Canning Machinery Company, Chicago, Ill. Corn-cutting machine. No. 1,215,563; Feb. 13; v. 235; p. 414.
- McIntyre, John C., Hoopeston, assignor to Sprague Canning Machinery Company, Chicago, Ill. Cleaner and scaldier. No. 1,222,008; Apr. 10; v. 237; p. 383.
- McIntyre, John J., assignor of one-half to J. McFarlane, Inverness, Nova Scotia, Canada. Valve. No. 1,247,696; Nov. 27; v. 244; p. 852.
- McIntyre, John P., Sagerton, Tex. Harrow. No. 1,231,398; June 26; v. 239; p. 1136.
- McIntyre, Michael M., assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Vehicle-spring. No. 1,217,970; Mar. 6; v. 236; p. 29.
- McIntyre, Michael M., assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Vehicle-spring. No. 1,229,109; June 5; v. 239; p. 247.
- McIntyre, Michael M., assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Vehicle-spring. No. 1,234,681; July 24; v. 240; p. 1131.
- McIntyre, Michael M., assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Vehicle-spring. No. 1,238,418; Aug. 28; v. 241; p. 1032.
- McIntyre, Michael M., and C. F. Schultis, assignors, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Correcting-machine. No. 1,233,680; July 17; v. 240; p. 775.
- McIntyre, Robert D., assignor of one-half to E. A. Baker, Mansfield, Ohio. Rope or wire clamp. No. 1,238,167; Aug. 28; v. 241; p. 951.
- McIntyre, William H., assignor of one-fourth to F. M. Sala and four-twentieths to G. W. Core, Toledo, Ohio. Piston-valve. No. 1,222,115; Apr. 10; v. 237; p. 420.
- McJilton, Lee D. (See Vervoort, Jules F., assignor.)
- McKaig, Eddy T., Chicago, Ill. Oil-engine. No. 1,250,333; Dec. 18; v. 245; p. 623.
- McKay Company, The. (See McKay, Stewart R., assignor.)
- McKay Concrete Form Company. (See McKay, Stewart R., assignor.)
- McKay, Daniel, Arnprior, Ontario, Canada. Door-lock. No. 1,215,686; Feb. 13; v. 235; p. 460.
- McKay, Guy R., Park City, Utah. Lamp. No. 1,231,925; July 3; v. 240; p. 130.
- McKay, James H., Forest City, Iowa. Concrete tie. No. 1,249,977; Dec. 11; v. 245; p. 479.
- McKay, James J., Dossville, Miss. Crate. No. 1,215,292; Feb. 6; v. 235; p. 281.
- McKay, John F., Bordentown, N. J. Brooder. No. 1,244,111; Oct. 23; v. 243; p. 934.
- McKay, Joseph, assignor to Hall, Hartwell & Co., Troy, N. Y. Convertible shirt. No. 1,251,069; Dec. 25; v. 245; p. 892.
- McKay, Peter M., Rockville, Collingwood, assignor of one-half to R. W. Brickell, Mornington, New Zealand. Artificial arm and the fittings therefor. No. 1,213,222; Jan. 23; v. 234; p. 1083.
- McKay, Richard V., Steelton, Pa. Cooling-plate for nodulizing-kilns. No. 1,222,646; Apr. 17; v. 237; p. 650.
- McKay, Stewart R., Cleveland, Ohio. Concrete-form. No. 1,228,037; May 29; v. 238; p. 1497.
- McKay, Stewart R., Perth Amboy, assignor to McKay Concrete Form Company, Sewaren, N. J. Concrete-form. No. 1,212,654; Jan. 16; v. 234; p. 854.
- McKay, Stewart R., assignor to The McKay Company, Cleveland, Ohio. Means for holding demountable rims on wheels. No. 1,223,501; Apr. 24; v. 237; p. 976.
- McKay, Stewart R., Cleveland, Ohio. Hollow-wall concrete-mold. No. 1,236,852; Aug. 14; v. 241; p. 459.
- McKay, Stewart R., assignor to The McKay Company, Cleveland, Ohio. Means for holding demountable rims on wheels. No. 1,228,795; June 5; v. 239; p. 144.
- McKay, Stewart R., assignor to The McKay Company, Cleveland, Ohio. Rim-clamping device. No. 1,228,796; June 5; v. 239; p. 144.
- McKay, William A., et al. (See Claussen, Martin, assignor.)
- McKay, William F., La Grange, Ill. Prepared roofing. No. 1,219,652; Mar. 20; v. 236; p. 681.
- McKay, William F., La Grange, Ill. Prepared sheet of coating material and making the same. No. 1,236,462; Aug. 14; v. 241; p. 331.
- McKean, Harry W., and R. J. Oliver, Prescott, Ariz. Changeable exhibitor. No. 1,235,826; Aug. 7; v. 241; p. 97.

- McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Support for bobbins or cops. No. 1,229,491; June 12; v. 239; p. 425.
- McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Winding-machine. No. 1,247,980; Nov. 27; v. 244; p. 935.
- McKechnie, James, Barrow-in-Furness, assignor to Vickers Limited, London, England. Controlling the supply of liquid fuel to internal-combustion engines. No. 1,225,345; May 8; v. 238; p. 480.
- McKee, Ben F., Arma, Kans. Gas-generator. No. 1,249,151; Dec. 4; v. 245; p. 208.
- McKee, Charles H., Pittsburgh, Pa. Plowing-machine. No. 1,222,116; Apr. 10; v. 237; p. 420.
- McKee, Charles H., Pittsburgh, Pa. Tilling-machine. No. 1,222,117; Apr. 10; v. 237; p. 420.
- McKee, Emelius M. (See Saxton, Thomas G., assignor.)
- McKee, John J., *et al.* (See Maher, John, assignor.)
- McKee, Neal T. (See Oatley and McKee.)
- McKee, Neal T., Yonkers, assignor to Locomotive Superheater Company, New York, N. Y. Water-supplying device for locomotive-tenders. No. 1,215,953; Feb. 13; v. 235; p. 554.
- McKee, Neal T., Yonkers, assignor to Locomotive Superheater Company, New York, N. Y. Damper. No. 1,225,986; May 15; v. 238; p. 738.
- McKee, Ralph H., Orono, Me. Preparation of dull-finish coating materials. No. 1,216,338; Feb. 20; v. 235; p. 742.
- McKee, Ralph H., Orono, Me. Obtaining aluminum salts from silicates. No. 1,222,960; Apr. 17; v. 237; p. 758.
- McKee, Ralph H., Orono, Me., assignor to New Process Gasoline Co., Philadelphia, Pa. Producing toluene. No. 1,244,444; Oct. 23; v. 243; p. 1034.
- McKee, Ralph H., Ridgefield Park, N. J. Fixation of nitrogen. No. 1,236,853; Aug. 14; v. 241; p. 460.
- McKee, Ralph H., Ridgefield Park, N. J. Food product and making same. No. 1,251,070; Dec. 25; v. 245; p. 892.
- McKee, Raymond E., assignor of one-half to O. Hammersmith, Chicago, Ill. Safety-valve mechanism and signal for pneumatic tires. No. 1,250,476; Dec. 18; v. 245; p. 666.
- McKee, Thomas M., Connersville, Ind. Extension-table. No. 1,251,257; Dec. 25; v. 245; p. 946.
- McKee, Walter S., Chicago, and W. G. Nichols, Chicago Heights, Ill., assignors to American Manganese Steel Company, Augusta, Me. Back for excavating-dippers. No. 1,213,666; Jan. 23; v. 234; p. 1237.
- McKeen Motor Car Company. (See McKeen, William R., Jr., assignor.)
- McKeen, William R., Jr., assignor to McKeen Motor Car Company, Omaha, Nebr. Charge-preparing apparatus. No. 1,229,492; June 12; v. 239; p. 426.
- McKeever, Charles, Jersey City, N. J. Vehicle-headlight. No. 1,251,457; Dec. 25; v. 245; p. 1005.
- McKeever, Charles, Jersey City, N. J., assignor of one-third to W. H. Dickinson and one-third to C. B. Mears, New York, N. Y. Vehicle-lamp. No. 1,222,312; Apr. 10; v. 237; p. 490.
- McKeever, Charles, Jersey City, N. J., assignor of one-third to W. H. Dickinson and one-third to C. B. Mears, New York, N. Y. Vehicle-lamp. No. 1,233,082; July 10; v. 240; p. 543.
- McKeever, James A., and J. S. Griffin, New York, N. Y. Frangible protective hood. No. 1,227,467; May 22; v. 238; p. 1272.
- McKeever, James P. (See Murphy, McKeever, and Peters.)
- McKellar, Archibald D., Chicago, Ill. Sign. No. 1,245,365; Nov. 6; v. 244; p. 67.
- McKellar, William C. (See Davidson and McKellar.)
- McKelvey, Albert W., Pittsburgh, Pa. Piano-bench and music-cabinet. No. 1,245,938; Nov. 6; v. 244; p. 240.
- McKelvey, Archibald L., St. Louis, Mo. Torpedo or mine guard. No. 1,243,848; Oct. 23; v. 243; p. 856.
- McKelvey, Sidney D., *et al.* (See Landreth, Harry, assignor.)
- McKelvy, Thomas M., Fresno, Cal. Internal-combustion engine. No. 1,224,557; May 1; v. 238; p. 158.
- McKendrick, James, Brooklyn, N. Y. Cloth-fold protector. No. 1,242,709; Oct. 9; v. 243; p. 435.
- McKenna, Felix J., Seattle, Wash. Oil-burner. No. 1,242,359; Oct. 9; v. 243; p. 323.
- McKenna, Hugh H. (See Stewart and McKenna.)
- McKenna, John F., Providence, R. I. Thimble for boiler-fues. No. 1,220,438; Mar. 27; v. 236; p. 995.
- McKenzie, George A. (See Shaw and McKenzie.)
- McKenzie Holland & Westinghouse Power Signal Company Limited. (See Brown, Harold G., assignor.)
- McKenzie, Hugh B., Beecher City, Ill. Automobile steering-gear. No. 1,243,317; Oct. 16; v. 243; p. 659.
- McKenzie, John L., assignor of one-fourth to W. H. Truesdell and one-half to J. T. Clapp, Beech Grove, Ind. Envelop-opener. No. 1,249,441; Dec. 11; v. 245; p. 323.
- McKenzie, Norman, Kingston-upon-Hull, England. Lifting-machine. No. 1,250,478; Dec. 18; v. 245; p. 667.
- McKeone, Lawrence P., New York, N. Y. Spark-plug. No. 1,237,926; Aug. 21; v. 241; p. 838.
- McKeone, Thomas J., Philadelphia, Pa. Drain-pipe pocket. No. 1,240,747; Sept. 18; v. 242; p. 704.
- McKeown, Annie T., Washington, D. C. Fly-screen holder. No. 1,224,762; May 1; v. 238; p. 230.
- McKeown, Samuel C., Sumter, S. C., assignor, by mesne assignments, to Splittorf Electrical Company, Newark, N. J. Ignition-dynamo. No. 1,232,347; July 3; v. 240; p. 270.
- McKeown, Samuel C., Sumter, S. C., assignor, by mesne assignments, to Splittorf Electrical Company, Newark, N. J. Magneto construction. No. 1,249,152; Dec. 4; v. 245; p. 208.
- McKerahan, Charles A., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Hose-clamp. No. 1,211,466; Jan. 9; v. 234; p. 407.
- McKevitt, Frank B. (See Wood, William G., assignor.)
- McKibbin, John B., Crafton, assignor of one-half to E. J. Sugden, Pittsburgh, Pa. Process and apparatus for heating metal for rolling. No. 1,227,163; May 22; v. 238; p. 1176.
- McKiernan-Terry Drill Company. (See Sturtevant, Thomas E., assignor.)
- McKim, John L., London, and J. Johnston, Westminster, London, England; said Johnston assignor to said McKim. Pneumatic apparatus for applying rough-cast or other plaster to the walls of buildings or structures or other surfaces. No. 1,239,283; Sept. 4; v. 242; p. 181.
- McKindley, John L., and S. B. Kindy, Toronto, Canada. Automatic press-trip. No. 1,217,971; Mar. 6; v. 236; p. 29.
- McKinlay, William O., Westport, Wash. Trolley-wheel. No. 1,231,630; July 3; v. 240; p. 30.
- McKinley, Edwin W., and E. J. Grigsby, Akron, Ohio. Tail-lamp for motor-vehicles. No. 1,238,419; Aug. 28; v. 241; p. 1033.
- McKinley, Nellie, Phoenixville, Pa. Copy or letter holder. No. 1,231,926; July 3; v. 240; p. 131.
- McKinney, Arthur C., Klondike, Tex. Clothes-pin. No. 1,229,632; June 12; v. 239; p. 474.
- McKinney, Caleb W., Fresno, Cal. Tooth-cleaning implement. No. 1,213,667; Jan. 23; v. 234; p. 1238.
- McKinney, Charles G., Chokoloskee, Fla. Cap or point for netting-needles. No. 1,238,314; Aug. 28; v. 241; p. 999.
- McKinney, Clarence, Amherst, S. D. Smut-machine. No. 1,211,734; Jan. 9; v. 234; p. 497.
- McKinney, Edward L., Johnstown, Pa. Resilient wheel. No. 1,224,399; May 1; v. 238; p. 102.
- McKinney, Elmer E. (See Monyer and McKinney.)
- McKinney, Frank A., assignor to Walker-McKinney Co., New Brunswick, N. J. Soap-holder. No. 1,251,071; Dec. 25; v. 245; p. 892.
- McKinney, James P., Jr. (See Painter and McKinney.)
- McKinney, Milo M., Wauwatosa, Wis. Signaling device for motor-vehicles. No. 1,232,348; July 3; v. 240; p. 271.
- McKinney, Mord, Roundup, Mont. Drill-hitch. No. 1,249,648; Dec. 11; v. 245; p. 382.
- McKinnie, Earl C., assignor to National X-Ray Reflector Company, Chicago, Ill. Illuminating appliance. No. 1,212,375; Jan. 16; v. 234; p. 753.
- McKinnon, Alexander. (See McKinnon, Kenneth and A.)
- McKinnon Dash Company. (See Armstrong, Wesley J., assignor.)
- McKinnon, Kenneth and A., Mooreton, N. D. Memorandum-calendar. No. 1,238,037; Aug. 21; v. 241; p. 875.
- McKinnon, Lemuel, Salt Lake City, Utah. Tire. No. 1,226,899; May 22; v. 238; p. 1083.
- McKinnon, Walter A., assignor of one-sixth to T. E. Finley, San Francisco, Cal. Powder-dispenser for billiard-cues. No. 1,224,944; May 8; v. 238; p. 344.
- McKinstry, George W., Southbridge, Mass. Strainer attachment. No. 1,213,668; Jan. 23; v. 234; p. 1238.
- McKinzie, Mortimer, assignor of one-third to J. Potter, New York, N. Y. Wrench. No. 1,226,228; May 15; v. 238; p. 821.
- McKirdy, James, *et al.* (See Moore, Samuel E., assignor.)
- McKnight, Carrie G. C. (See Bellows, Walter C., assignor.)
- McKnight, Charles J., assignor to Greensburg Swing Company, Greensburg, Pa. Child's push-car. No. 1,212,530; Jan. 16; v. 234; p. 808.
- McKnight, George H., Clinton, Okla. Cattle-yoke. No. 1,237,354; Aug. 21; v. 241; p. 658.
- McKnight, James A., Jeffersonville, Ind. Telephone-carrier. No. 1,216,153; Feb. 13; v. 235; p. 627.
- McKnight, Robert J. G. (See Barber and McKnight.)
- McLachlan, John C., Toronto, Ontario, Canada. Mold for casting shells. No. 1,215,564; Feb. 13; v. 235; p. 414.
- McLain, Charles U., East Bakersfield, Cal. Variable valve-gear. No. 1,226,549; May 15; v. 238; p. 927.
- McLain, Harry E. (See Broad, William, assignor.)
- McLain, Harry E., Pittsburgh, assignor of one-fourth to W. Broad, Beaver Falls, Pa. Apparatus for massage treatment. No. 1,234,700; July 24; v. 240; p. 1136.
- McLain, Robert H., Schenectady, N. Y., assignor to General Electric Company. Controller. No. 1,247,436; Nov. 20; v. 244; p. 745.
- McLain, Victor C., assignor to E. J. Bronson, East Moline, Ill. Tire-rim setter. No. 1,218,881; Mar. 13; v. 236; p. 386.
- McLanahan, Austin. (See Potts, Louis M., assignor.)
- McLaren, Alexander, Chicago, Ill. Machine for molding and baking pastry cups and method of extracting the product from the molds. No. 1,243,318; Oct. 16; v. 243; p. 660.

Alphabetical list of patentees—Continued.

- McLaren, Chester, Oakland, Cal. Two-cycle rotary-cylinder internal-combustion engine. No. 1,213,519; Jan. 23; v. 234; p. 1186.
- McLaren, John W., Providence, R. I. Picker mechanism for looms. No. 1,236,194; Aug. 7; v. 241; p. 214.
- McLaren, Kate C., Washington, D. C. Chart or master-pattern. No. 1,218,435; Mar. 6; v. 236; p. 190.
- McLaren, Walter, Dayton, Ohio. Mold for ice-cream-cone machines. No. 1,232,820; July 10; v. 240; p. 458.
- McLaren, William E., assignor to The Danzelo Sales Company, Inc., New York, N. Y. Sign. No. 1,246,629; Nov. 13; v. 244; p. 477.
- McLaughlin, Charles W., Buckhannon, assignor of one-half to G. I. Keener, Weston, W. Va. Pressure-regulator. No. 1,221,342; Apr. 3; v. 237; p. 120.
- McLaughlin, Clark B., Loveland, Ohio. Wheeled footstool. No. 1,248,358; Nov. 27; v. 244; p. 1040.
- McLaughlin, Frank, Texarkana, Tex. Bread-slicer. No. 1,211,328; Jan. 2; v. 234; p. 326.
- McLaughlin, Frank, Philadelphia, Pa. Device for dispensing fluid or plastic material. No. 1,235,351; July 31; v. 240; p. 1371.
- McLaughlin, George F., San Francisco, Cal. Indicator. No. 1,247,981; Nov. 27; v. 244; p. 935.
- McLaughlin, James E., and D. Bordeleau, Grand Mere, Quebec, Canada. Seal-lock for freight-car doors. No. 1,244,625; Oct. 30; v. 243; p. 1127.
- McLaughlin, John C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,211,203; Jan. 2; v. 234; p. 283.
- McLaughlin, John C., Jersey City, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,211,467; Jan. 9; v. 234; p. 407.
- McLaughlin, John C., East Orange, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,212,784; Jan. 16; v. 234; p. 899.
- McLaughlin, John C., East Orange, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,218,287; Mar. 6; v. 236; p. 140.
- McLaughlin, John C., East Orange, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,250,198; Dec. 18; v. 245; p. 683.
- McLaughlin, John J., Bombay, India. Life-raft. No. 1,246,129; Nov. 13; v. 244; p. 325.
- McLaughlin, John O., Cadiz, Ohio. Loose-leaf binder. No. 1,243,319; Oct. 16; v. 243; p. 660.
- McLaughlin, Melvin O., York, Neb. Fire-escape. No. 1,234,058; July 17; v. 240; p. 895.
- McLaughlin, Nora, Seattle, Wash. Composition for waterproofing and preserving leather. No. 1,244,062; Oct. 23; v. 243; p. 920.
- McLaughlin, Samuel M., and H. A. Gainer, Minier, Ill. Vehicle-washer. No. 1,210,962; Jan. 2; v. 234; p. 202.
- McLaughlin, Wharton B., New York, N. Y. Metallic compound for internal administration. No. 1,226,229; May 15; v. 238; p. 821.
- McLaughlin, William H., assignor to C. S. Chase, Hartford, Conn. Antiskidding device. No. 1,240,465; Sept. 18; v. 242; p. 619.
- McLaughlin, William H., assignor, by mesne assignments, to C. S. Chase, Hartford, Conn. Chain-link connector. (Reissue.) No. 1,436,1; Sept. 18; v. 242; p. 725.
- McLaughlin, William H., Lancaster, Pa., assignor, by mesne assignments, to C. S. Chase, Hartford, Conn. Clamp. No. 1,247,437; Nov. 20; v. 244; p. 745.
- McLaughlin, William J. (See Nicoll and McLaughlin.)
- McLean, Augustus L. (See Ball and McLean.)
- McLean, Claude C., Wulfsfohn Bay, British Columbia, Canada. Log-loading boom. No. 1,249,153; Dec. 4; v. 245; p. 209.
- McLean, Finis, Valley Junction, Iowa. Railway-tie plate. No. 1,226,096; May 15; v. 238; p. 777.
- McLean, Finis, Valley Junction, Iowa. Tie-plate. No. 1,231,038; June 26; v. 239; p. 1016.
- McLean, Fred M. (See Dross and McLean.)
- McLean, Harry D., and C. Waring, Carstairs, Alberta, Canada. Dirigible headlight. No. 1,230,741; June 19; v. 239; p. 876.
- McLean, Harry D., and C. Waring, Olds, Alberta, Canada. Dirigible headlight. No. 1,241,410; Sept. 25; v. 242; p. 945.
- McLean, Hugh, Bathurst, New Brunswick, Canada. Shin-gle-binding device. No. 1,226,900; May 22; v. 238; p. 1083.
- McLean, John H., *et al.* (See Curtis, George L., assignor.)
- McLean, Philip S., Bloomfield, N. J. Electrical attachment-plug. No. 1,228,337; May 29; v. 238; p. 1594.
- McLean, Samuel W., and J. Roche, Northville, Mich. Chair. No. 1,247,303; Nov. 20; v. 244; p. 706.
- McLean, William J., Everett, Mass. Tooth-brush handle. No. 1,211,468; Jan. 9; v. 234; p. 407.
- McLellan, Charles T., and D. G. Danner, Minburn, Iowa. Egg-candler. No. 1,220,439; Mar. 27; v. 236; p. 995.
- McLene, Jeremiah B., Chicago, Ill. Combination sad-iron and heating utensil. No. 1,226,230; May 15; v. 238; p. 821.
- McLenon, Thomas L. (See Hirsch and McLenon.)
- McLeod, Angus, Fairville, New Brunswick, Canada. Nail-pulling implement. No. 1,235,986; Aug. 7; v. 241; p. 150.
- McLeod, Charles W., Michigan City, Ind. Fence-post. No. 1,236,095; Aug. 7; v. 241; p. 182.
- McLeod, Ida I., Lakeland, Fla. Wheel-tire. No. 1,219,653; Mar. 20; v. 236; p. 681.
- McLeod, James D. E. (See Curd, Thomas M., assignor.)
- McLeod, Keith, Calgary, Alberta, Canada. Weeder. No. 1,218,436; Mar. 6; v. 236; p. 190.
- McLeod, Kenneth, Seattle, Wash. Nut-lock. No. 1,216,586; Feb. 20; v. 235; p. 831.
- McLeod, Lester C. (See Bidwell, Flavel, Henry, and McLeod.)
- McLeod, Malcolm J. (See Dolan, Halley C., assignor.)
- McLeod, Malcolm J., *et al.* (See Miller, William G., assignor.)
- McLeod, Nelson W., St. Louis, Mo. Resilient tire. No. 1,249,649; Dec. 11; v. 245; p. 383.
- McLeod, Nelson W., St. Louis, Mo., assignor to American Motors Tire Company, Detroit, Mich. Apparatus for forming and vulcanizing rubber articles. No. 1,213,223; Jan. 23; v. 234; p. 1083.
- McLeod, Nelson W., St. Louis, Mo., assignor to American Motors Tire Company, Detroit, Mich. Apparatus for forming and vulcanizing rubber articles. No. 1,213,224; Jan. 23; v. 234; p. 1084.
- McLeod, Nelson W., St. Louis, Mo., assignor to American Motors Tire Company, Detroit, Mich. Mold for making pneumatic tires. No. 1,213,225; Jan. 23; v. 234; p. 1084.
- McLeod, Nelson W., St. Louis, Mo., assignor to American Motors Tire Company, Detroit, Mich. Mold for making pneumatic tires. No. 1,215,828; Feb. 13; v. 235; p. 509.
- McLeod, Nelson W., St. Louis, Mo., assignor, by mesne assignments, to American Motors Tire Company, Detroit, Mich. Apparatus for making cord-tire skeletons. No. 1,250,916; Dec. 18; v. 245; p. 797.
- McLeod, Nelson W., St. Louis, Mo., assignor, by mesne assignments, to American Motors Tire Company, Detroit, Mich. Making cord tires. No. 1,250,917; Dec. 18; v. 245; p. 707.
- McLeod, Robert S. (See Wood and McLeod.)
- McLeod, William, assignor of one-fourth to L. Cohen, Wanganut, New Zealand. Roofing and walling. No. 1,226,097; May 15; v. 238; p. 777.
- McLey, Henry F., Pattonsburg, Mo. Cattle-guard and signal. No. 1,249,796; Dec. 11; v. 245; p. 427.
- McLoney, Kennard, New Washington, Ohio. Mechanical toy. No. 1,249,797; Dec. 11; v. 245; p. 427.
- McLoughlin, Harry, assignor of one-half to F. D. Carthew, San Francisco, Cal. Obtaining magnesite. No. 1,248,880; Dec. 4; v. 245; p. 134.
- McLoughlin, Henry, Sioux City, Iowa. Gain-cutter. No. 1,225,836; May 15; v. 238; p. 687.
- McLucas, J. L. (See Stroud, Thomas L., assignor.)
- McMahan, Robert M., and J. B. Mauger, Potts Grove, Pa. Lock for automobiles. No. 1,221,882; Apr. 10; v. 237; p. 340.
- McMahon, James C. (See Hendricks, Benjamin F., assignor.)
- McMahon, Nora E., Columbia, Tenn. Cuff-button guard. No. 1,211,469; Jan. 9; v. 234; p. 408.
- McManama, John W., Waltham, assignor of one-third to S. W. Simonds and one-third to F. A. Barbey, Cambridge, Mass. Inner rail for railway-track curves. No. 1,239,927; Sept. 11; v. 242; p. 415.
- McMane, William, Summit, N. J. Safety bomb-signal for trains. No. 1,214,201; Jan. 30; v. 234; p. 1449.
- McMann, John F., Rochester, N. Y. Siphon. No. 1,224,477; May 1; v. 238; p. 131.
- McManus, Albert E., Duluth, Minn. Laminated spring. No. 1,221,071; Apr. 3; v. 237; p. 24.
- McManus, Charles E., New York, N. Y. Facing material for cork or other disks for bottle-caps. No. 1,213,926; Jan. 30; v. 234; p. 1855.
- McManus, Edward L., Jr., and C. A. Schultz, Jr., New York, N. Y. Controlling-lever lock. No. 1,223,084; Apr. 17; v. 237; p. 800.
- McManus, Edwin J., assignor of one-half to E. T. Walters, Cazenovia, N. Y. Rain-signal. No. 1,217,036; Feb. 20; v. 235; p. 982.
- McMartin, Archibald, deceased, Johnstown, N. Y.; J. K. McMartin, administratrix. Interchangeable hand-covering. No. 1,224,108; Apr. 24; v. 237; p. 1186.
- McMartin, Josephine K., administratrix. (See McMartin, Archibald.)
- McMath, William S., El Paso, Tex. Job-press standard-izer. No. 1,213,520; Jan. 23; v. 234; p. 1187.
- McMeans, Orange E. (See Tripp and McMeans.)
- McMeekin, Bowman M., and H. N. Downs, Shelton, Conn. Safety-brake for automobiles, &c. No. 1,229,110; June 5; v. 239; p. 247.
- McMillan, Angus. (See Nickelsen, McMillan, and Pemberton.)
- McMillan, Bertha L., Minneapolis, Minn. Picture-frame. No. 1,223,409; Apr. 24; v. 237; p. 942.
- McMillan, Edgar W., Wichita, Kans. Saw-guide for cutting miters. No. 1,233,083; July 10; v. 240; p. 543.
- McMillan, Frank G., and H. O. Minneapolis, Minn. Clamp for concrete-forms. No. 1,216,825; Feb. 20; v. 235; p. 912.
- McMillan, Frank G., and H. O., Minneapolis, Minn. Metallic insert. No. 1,223,595; Apr. 24; v. 237; p. 1009.
- McMillan, Frank G., and H. O., Minneapolis, Minn. Metallic insert. No. 1,240,993; Sept. 25; v. 242; p. 815.

- McMillan, Frank P., assignor to National Tube Company, Pittsburgh, Pa. Method of and apparatus for threading pipes. No. 1,243,821; Oct. 16; v. 243; p. 661.
- McMillan, Howard O. (See McMillan, Frank G. and H. O.)
- McMillan, J. C. (See Chapman, Thomas C., assignor.)
- McMillan, James, Waterloo, Iowa. Foldable seat. No. 1,236,960; Aug. 14; v. 241; p. 494.
- McMillan, John. (See Lund and McMillan.)
- McMillan, John L., Syracuse, N. Y. Telephone attachment. No. 1,212,785; Jan. 16; v. 234; p. 899.
- McMillan, Joseph. (See Greenamyre, Clarence V., assignor.)
- McMillan, Joseph, Glendale, and C. V. Greenamyre, Los Angeles, Cal. Current-collector for electric cars. No. 1,221,762; Apr. 3; v. 237; p. 263.
- McMillan, Joseph, Glendale, and C. V. Greenamyre, Los Angeles, Cal. Trolley. No. 1,221,763; Apr. 3; v. 237; p. 264.
- McMillan, Levi, Wilmington, N. C. Envelop-filling machine. No. 1,211,329; Jan. 2; v. 234; p. 327.
- McMillan, Levi, Wilmington, N. C. Tread member for shoes. No. 1,236,582; Aug. 14; v. 241; p. 370.
- McMillen, Erwin D., Omaha, Nebr. File-cleaning implement. No. 1,242,710; Oct. 9; v. 243; p. 436.
- McMillen, George A., Alton, Ill. Hernial truss. No. 1,237,667; Aug. 21; v. 241; p. 759.
- McMillen, Samuel, Pittsburgh, Pa. Manufacture of rolls, &c. No. 1,241,867; Oct. 2; v. 243; p. 126.
- McMillin, Edward A., North Adams, Mass. Binding-strap buckle. No. 1,235,827; Aug. 7; v. 241; p. 97.
- McMoore, Butler, Argenta, Ark. Ice-box for automobiles. No. 1,230,914; June 26; v. 239; p. 972.
- McMullen, Charles A., Caldwell, N. J. Automatic change-making machine. No. 1,228,459; June 5; v. 239; p. 28.
- McMullen, John. (See Cameron and McMullen.)
- McMullen, John, Buffalo, N. Y. Car-roof. No. 1,215,954; Feb. 13; v. 235; p. 555.
- McMullen, Marcus O., Ivey, Ga. Planter. No. 1,236,377; Aug. 7; v. 241; p. 269.
- McMullen, Preston C. (See Bowdidge and McMullen.)
- McMullen, William H., Whitestone, N. Y. Steering or stabilizing device for aeroplanes. No. 1,237,072; Aug. 14; v. 241; p. 530.
- McMullin Automatic Top Company, The. (See McMullin, Harry W., assignor.)
- McMullin, Charles S., Worcester, Mass. Box. No. 1,239,284; Sept. 4; v. 242; p. 181.
- McMullin, Harry W., assignor to The McMullin Automatic Top Company, Denver, Colo. Automobile-top. No. 1,246,449; Nov. 13; v. 244; p. 421.
- McMullin, William A., and E. E. Rittenhouse, Lovington, Ill. Invalid-bed. No. 1,238,545; Aug. 28; v. 241; p. 1075.
- McMunn, George W., Pittsburgh, Pa. Protective device for railways. No. 1,232,584; July 10; v. 240; p. 881.
- McMunn, George W., Pittsburgh, Pa. Distribution of cars in yards. No. 1,242,220; Oct. 9; v. 243; p. 279.
- McMurray, Hayward T., Diverson, Ill. Aeroplane attachment. No. 1,233,084; July 10; v. 240; p. 543.
- McMurray, John C., East Boston, Mass. Safety oil-gage for internal-combustion engines. No. 1,221,812; Apr. 3; v. 237; p. 282.
- McMurray, Samuel M., Smyrna, and J. R. Parrish, Nashville, Tenn. Pigment-powder and making the same. No. 1,215,293; Feb. 6; v. 235; p. 282.
- McMurray, William R., Belfast, Ireland. Thread-drawing machine. No. 1,237,927; Aug. 21; v. 241; p. 839.
- McMurry, Fred R., Westwood, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Selecting mechanism. No. 1,212,531; Jan. 16; v. 234; p. 808.
- McMurtrie, Adnah, New York, N. Y. Connector for electrical conduits. No. 1,243,748; Oct. 23; v. 243; p. 824.
- McMurtrie, Adnah, assignor to Thomas & Betts Company, New York, N. Y. Clamp. No. 1,230,742; June 19; v. 239; p. 877.
- McMurtry, Alden L., Sound Beach, Conn. Mechanical interlock for engine self-starters. No. 1,214,048; Jan. 30; v. 234; p. 1399.
- McMurtry, George G., New York, N. Y., assignor to United States Steel Corporation, Hoboken, N. J. Steel-making process. No. 1,217,972; Mar. 6; v. 236; p. 29.
- McMyler Interstate Company, The. (See McMyler, John, assignor.)
- McMyler, John, Cleveland, assignor to The McMyler Interstate Company, Bedford, Ohio. Car-handling system. No. 1,240,466; Sept. 18; v. 242; p. 620.
- McNab, Ronald, Asnières, France, assignor to Remington Typewriter Company, Iliou, N. Y. Combined typewriting and computing machine. No. 1,250,477; Dec. 18; v. 245; p. 666.
- McNabb, John A., assignor of one-third to G. Tinegate, Collingwood, Ontario, Canada. Detachable means for life-boats. No. 1,246,968; Nov. 20; v. 244; p. 611.
- McNally, Frank A., and H. M. and H. H. Gardner, assignors to The Improved Farm Implement Co., Dallas, Tex. Stalk-cutter. No. 1,248,517; Dec. 4; v. 245; p. 25.
- McNally, Hugh, Richland Center, Wis. Puzzle. No. 1,230,309; June 19; v. 239; p. 734.
- McNally, Leo F., Brooklyn, N. Y., assignor to D. W. Pye, Red Bank, N. J. Trap-door lock. No. 1,210,661; Jan. 2; v. 234; p. 99.
- McNally, Leo F., Brooklyn, assignor to Transportation Utilities Company, New York, N. Y. Roofing. No. 1,217,196; Feb. 27; v. 235; p. 1082.
- McNally, Leo F., Brooklyn, N. Y., assignor to D. W. Pye, Red Bank, N. J. Trap-door lock. No. 1,217,197; Feb. 27; v. 235; p. 1083.
- McNally, Leo F., Brooklyn, assignor to Transportation Utilities Company, New York, N. Y. Trap-door for vestibule-cars. No. 1,228,938; June 5; v. 239; p. 190.
- McNally, Leo F., Salamanca, assignor to H. W. Rich, Buffalo, N. Y. Grinding-machine. No. 1,244,352; Oct. 23; v. 243; p. 1006.
- McNally, Thomas W., Jr., Newark, assignor of one-half to O. Dyson, Kearney, N. J. Theft-prevention device for automobiles. No. 1,249,798; Dec. 11; v. 245; p. 428.
- McNamara, Dennis, Lexington, Mass. Line-reel. No. 1,212,376; Jan. 16; v. 234; p. 753.
- McNamara, Patrick J., Vancouver, British Columbia, Canada. Waterproof roofing and paving composition. No. 1,234,919; July 31; v. 240; p. 1240.
- McNamara, Sylvester J. (See Clark and Coon, assignors.)
- McNamee, Dwight B., Heman, Okla. Skate. No. 1,240,232; Sept. 18; v. 242; p. 546.
- McNamee, Dwight B., Heman, Okla. Envelop. No. 1,247,852; Nov. 27; v. 244; p. 900.
- McNames, William, Aberdeen, S. D. Tire-armor. No. 1,232,821; July 10; v. 240; p. 458.
- McNary, William R., Detroit, Mich. Switch. No. 1,244,110; Oct. 23; v. 234; p. 934.
- McNatt, Josephus A., Lansing, Mich. Garbage-incinerator. No. 1,238,420; Aug. 28; v. 241; p. 1033.
- McNaughton, Alexander, Buffalo, N. Y. Process of molding. No. 1,218,437; Mar. 6; v. 236; p. 190.
- McNaughton, Alexander, Buffalo, N. Y. Apparatus for releasing copes and risers. No. 1,218,438; Mar. 6; v. 236; p. 191.
- McNaughton, William D. (See Hill, John C., assignor.)
- McNeal, Charles A., Columbus, Ohio. Illuminated sign. No. 1,226,550; May 15; v. 238; p. 928.
- McNear, Walter S. (See Gamache and McNear.)
- McNee, Robert H., Nyssa, Oreg. Lubricating device. No. 1,223,993; Apr. 24; v. 237; p. 1147.
- McNeel, James S., and J. M. Vance, San Antonio, Tex. Milk cooling and aerating apparatus. No. 1,218,791; Mar. 13; v. 236; p. 353.
- McNeil, Benjamin H., Chicago, Ill. Switch-lock. No. 1,239,199; Sept. 4; v. 242; p. 153.
- McNeil, Chester, assignor to Union Special Machine Company, Chicago, Ill. Seam for sewed articles. No. 1,214,563; Feb. 6; v. 235; p. 28.
- McNeil, Chester, assignor to Union Special Machine Company, Chicago, Ill. Joining fabric sections. No. 1,220,524; Mar. 27; v. 236; p. 1024.
- McNeil, Chester, assignor to Union Special Machine Company, Chicago, Ill. Arm-rest for sewing-machines. No. 1,233,085; July 10; v. 240; p. 544.
- McNeil, Daniel W., assignor to The John Douglas Company, Cincinnati, Ohio. Flush-valve for water-closets. No. 1,225,987; May 15; v. 238; p. 738.
- McNeil, John F., Phoenix, Ariz. Perfume-vending machine. No. 1,222,224; Apr. 10; v. 237; p. 459.
- McNeil, John L., D. B. and A. McDonald, Birch Grove, Nova Scotia, Canada. Rail brace or clamp. No. 1,216,339; Feb. 20; v. 235; p. 742.
- McNeil, Michael, Los Angeles, Cal. Invalid-bed. No. 1,224,478; May 1; v. 238; p. 131.
- McNeill, Bryan, Wattensaw, Ark. Fruit-picker. No. 1,241,411; Sept. 25; v. 242; p. 945.
- McNeill, David, Watford, assignor of one-fourth to H. G. Shoring, Cricklewood, one-fourth to G. L. Waterfield, and one-fourth to T. Waterfield, Highgate, England. Apparatus for indicating speed. No. 1,227,283; May 22; v. 238; p. 1214.
- McNeill, Thomas C., Chicago, Ill. Telephone-directory. No. 1,222,009; Apr. 10; v. 237; p. 384.
- McNitt, Robert J., Niagara Falls, assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Reducing metals. No. 1,214,808; Feb. 6; v. 235; p. 112.
- McNulta, Herbert, Chicago, Ill. Passenger-car for railways. No. 1,228,797; June 5; v. 239; p. 145.
- McNulty, Harry B., New York, N. Y. Phonograph. No. 1,238,168; Aug. 28; v. 241; p. 951.
- McNulty, Harry B., assignor to Wonder Talking Machine Company, Inc., New York, N. Y. Spring-motor. No. 1,221,072; Apr. 3; v. 237; p. 24.
- McNulty, James A., Kansas City, Mo. Grain-car-door closure. No. 1,248,359; Nov. 27; v. 244; p. 1040.
- McNulty, James A., Minneapolis, N. H. Nelson, Willmar, and J. Jensen, Minneapolis, Minn. Sleeping-car. No. 1,226,349; May 15; v. 238; p. 864.
- McNulty, Michael P., Whitney, N. C. Railway construction. No. 1,222,432; Apr. 10; v. 237; p. 534.
- McNulty, Sterrett E., Washington, D. C. Window-protecting attachment. No. 1,230,197; June 19; v. 239; p. 697.
- McNulty, Sterrett E., Washington, D. C. Attachment for screens. No. 1,233,590; July 17; v. 240; p. 746.
- McNutt, William H., New York, N. Y. Receptacle. No. 1,235,987; Aug. 7; v. 241; p. 150.
- McOmber, Pauline S., Hastings, Mich. Brassière. No. 1,235,218; July 31; v. 240; p. 1330.
- McPartland, James H., Houlton, Me. Search-light. No. 1,211,204; Jan. 2; v. 234; p. 284.

Alphabetical list of patentees—Continued.

- McPartland, James H., Houlton, Me. Ball-cock. No. 1,231,399; June 26; v. 239; p. 1137.
- McPhee, Dougald D., and G. C. Jackman, Spokane, Wash. Vehicle-seat. No. 1,249,650; Dec. 11; v. 245; p. 383.
- McPherson, Amelia, assignor of one-half to R. W. Conn. Edmonton, Alberta, Canada. Swing. No. 1,215,394; Feb. 13; v. 235; p. 352.
- McPherson, Arthur D., Oak Park, Ill. Attaching-banger for elevator-buckets. No. 1,210,662; Jan. 2; v. 234; p. 100.
- McPherson, Charles J., Portland, Oreg. Furnace. No. 1,218,288; Mar. 6; v. 236; p. 141.
- McPherson, Columbus, Dacon, Colo. Grab-hook. No. 1,243,617; Oct. 16; v. 243; p. 749.
- McPherson, Elmer T., assignor to The Irwin Auger Bit Company, Wilmington, Ohio. Chuck. No. 1,224,945; May 8; v. 238; p. 344.
- McPherson, Floyd H., Everett, Wash. Oiling attachment for die-stocks. No. 1,224,946; May 8; v. 238; p. 344.
- McPherson, Frank G. (See McCandless and McPherson.)
- McPherson, James H. (See Du Grenier and McPherson.)
- McQuade, Arthur J., Canton, Ohio. Pneumatic hammer. No. 1,232,585; July 10; v. 240; p. 381.
- McQuarrie, James L., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric switch. No. 1,249,154; Dec. 4; v. 245; p. 209.
- McQuarrie, James L., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric switch. No. 1,249,155; Dec. 4; v. 245; p. 209.
- McQuarrie, James L., Oak Park, and F. H. Loveridge, Chicago, Ill., assignors, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,217,472; Feb. 27; v. 235; p. 1178.
- McQuay-Norris Manufacturing Company. (See Mummert, Arden J., assignor.)
- McQueen, Ulysses G., New York, N. Y. Casement-adjuster. No. 1,211,733; Jan. 9; v. 234; p. 497.
- McQueen, Ulysses G., New York, N. Y. Casement-lift and hinge. No. 1,223,062; Apr. 17; v. 237; p. 792.
- McQueen, Ulysses G., New York, N. Y. Hinge or casement-lift. No. 1,223,063; Apr. 17; v. 237; p. 793.
- McQueen, Ulysses G., New York, N. Y. Hinge. No. 1,230,743; June 19; v. 239; p. 877.
- McQuestion, Lambert H. (See McQuestion, Nelson A., assignor.)
- McQuestion, Laura H., administratrix. (See McQuestion, Nelson A.)
- McQuestion, Nelson A., deceased; L. H. McQuestion, administratrix, assignor to L. H. McQuestion, Mansfield, Ohio. Fireless cooker. No. 1,234,059; July 17; v. 240; p. 895.
- McRae, Jefferson D., Society Hill, S. C. Combination foot-rest and robe-holder. No. 1,249,156; Dec. 4; v. 245; p. 210.
- McRae, John D., Oswego, N. Y. Spare-tire holder. No. 1,212,079; Jan. 9; v. 234; p. 618.
- McRae, Kinlay A., Montreal, Quebec, Canada. Convertible railway-car. No. 1,236,195; Aug. 7; v. 241; p. 214.
- McRae, Walter R., and R. Russell, Toronto, Ontario, Canada. Division-piece or partition for a controller arc-deflector, circuit-breaker, and the like. No. 1,244,224; Oct. 23; v. 243; p. 969.
- McSheehy, Bartholomew E. (See Africa and McSheehy.)
- McSorley, George C., assignor of one-half to J. Black, Lansing, Mich. Transmission-gearing. No. 1,232,349; July 3; v. 240; p. 271.
- McSwain, Harry W. (See McSwain, William H. and H. W.)
- McSwain, Pinkney A., Anderson, S. C. Hose-coupling. No. 1,220,868; Mar. 27; v. 236; p. 1142.
- McSwain, William H., Moundsville, W. Va., and H. W. McSwain, Detroit, Mich. Glass-feeding table. No. 1,230,424; June 19; v. 239; p. 770.
- McSwiney, Eugene A., Normandy, Mo. Package-tie. No. 1,223,596; Apr. 24; v. 237; p. 1009.
- McTaggart, John A., Philadelphia, Pa. Tire. No. 1,216,826; Feb. 20; v. 235; p. 912.
- McTighe, Maurice J., Iroquois, S. D. Vehicle coupling and steering device. No. 1,237,355; Aug. 21; v. 241; p. 658.
- McTimmonds, Ivy, Mitchell, Oreg. Bed. No. 1,229,168; June 5; v. 239; p. 267.
- McVay, Cecilia D., Philadelphia, Pa. Phonographic-disk-record cabinet. No. 1,219,975; Mar. 20; v. 236; p. 793.
- McVay, Walter E. (See Zuck and McVay.)
- McVey, Ambrose, Wilmington, Del. Switch-shifter. No. 1,225,465; May 8; v. 238; p. 521.
- McVey, Tella O., Los Angeles, Cal. Letter-package-tying device. No. 1,248,360; Nov. 27; v. 244; p. 1041.
- McVoy, Vincen P., Mobile, Ala. Lubricator attachment. No. 1,234,361; July 24; v. 240; p. 1030.
- McVoy, Vincen P., assignor of one-half to J. M. Walsh, Mobile, Ala. Automatic drifting-valve for locomotives. No. 1,215,947; Feb. 13; v. 235; p. 552.
- McVoy, Vincen P., assignor of one-half to J. M. Walsh, Mobile, Ala. Engine drifting-valve. No. 1,229,993; June 12; v. 239; p. 590.
- McWane, James R., Birmingham, Ala. Filler for pipe-joints. No. 1,248,361; Nov. 27; v. 244; p. 1041.
- McWane, James R., Birmingham, Ala. Pipe-joint and filler therefor. No. 1,248,362; Nov. 27; v. 244; p. 1041.
- McWatters, Thomas, Chestnut Ridge, Pa. Safe for seagoing vessels. No. 1,226,098; May 15; v. 238; p. 777.
- McWatters, Thomas, Chestnut Ridge, Pa. Life-saving boat. No. 1,227,284; May 22; v. 238; p. 1214.
- McWenle, Joseph, Whitesboro, N. Y. Spectacles. No. 1,247,853; Nov. 27; v. 244; p. 900.
- McWhirter, John S., Manhattan Beach, N. Y. Window-cleaner. No. 1,246,829; Nov. 13; v. 244; p. 534.
- McWhirter, John S., New York, N. Y., assignor to The J. G. Brill Company, Philadelphia, Pa. Brake for cars. No. 1,213,927; Jan. 30; v. 234; p. 1356.
- McWhirter, Robert B., assignor to Leidecker Tool Company, Marietta, Ohio. Clutch mechanism. No. 1,237,073; Aug. 14; v. 241; p. 531.
- McWhorter, Allen, Riverton, N. J. Fertilizer-distributor. No. 1,220,249; Mar. 27; v. 236; p. 926.
- McWhorter, Allen, Riverton, N. J. Poison-distributor. No. 1,229,994; June 12; v. 239; p. 591.
- McWilliams, Arthur C., Chicago, Ill. Lamp-socket. No. 1,222,225; Apr. 10; v. 237; p. 460.
- Meacham, Benjamin E., Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo. Thermostatic fuel-regulating device for gas-ovens. No. 1,236,335; Aug. 7; v. 241; p. 257.
- Meacham, Joel E. (See Barnett, Charles W., assignor.)
- Meacham, William H. (See Schriber, George, and Meacham.)
- Mead, Albert A., Lee, England. Ventilator for vehicles and the like. No. 1,250,927; Dec. 18; v. 245; p. 800.
- Mead, Carl F., Cleveland, Ohio. Signaling system. No. 1,249,162; Dec. 4; v. 245; p. 212.
- Mead, Charles M., Los Angeles, Cal., assignor to The Mead Press. Flat-bed multiple printing-press. No. 1,238,424; Aug. 28; v. 241; p. 1035.
- Mead, Ezra B., Ottumwa, Iowa. Gear manufacture. No. 1,233,681; July 17; v. 240; p. 775.
- Mead, George A. (See Newlon, William B., assignor.)
- Mead, John N. (See Squier, Natt, assignor.)
- Mead Press, The. (See Mead, Charles M., assignor.)
- Meade, Fred D., Lake Charles, La. Combined receptacle-cover and insect-trap. No. 1,212,660; Jan. 16; v. 234; p. 856.
- Meade, James, Stoughton, Mass. Method of preparing adhesive coatings and applying them to fabrics without the use of solvents. No. 1,222,967; Apr. 17; v. 237; p. 760.
- Meade, Morrison. (See Sutton and Meade.)
- Meador, John W., assignor to The Eli Lilly and Company, Indianapolis, Ind. Cephaelin butyl ether and producing the same. No. 1,219,571; Mar. 20; v. 236; p. 654.
- Meador, John W., assignor to The Eli Lilly and Company, Indianapolis, Ind. Cephaelin ethyl ether. No. 1,219,572; Mar. 20; v. 236; p. 654.
- Meador, John W., assignor to The Eli Lilly and Company, Indianapolis, Ind. Cephaelin propyl ether. No. 1,219,573; Mar. 20; v. 236; p. 654.
- Meador, John W., assignor to The Eli Lilly and Company, Indianapolis, Ind. Cephaelin amyl ethers and producing same. No. 1,219,574; Mar. 20; v. 236; p. 654.
- Meador, John W., assignor to The Eli Lilly and Company, Indianapolis, Ind. Cephaelin allyl ether and making same. No. 1,219,575; Mar. 20; v. 236; p. 654.
- Meador, Randall L., Portland, Me. Cylinder-scraper. No. 1,223,064; Apr. 17; v. 237; p. 793.
- Meador, Warren S. (See Witty, Eby, and Meador.)
- Meador, Cyrus H., et al. (See Lilly, William T., assignor.)
- Meador, Joseph B. (See Brown and Meador.)
- Meador, Lenerd E., Vineyard, Tex. Peanut-harvester. No. 1,249,445; Dec. 11; v. 245; p. 324.
- Meadows, John L., Noble, Ill. Gage for seed-planters and clod-remover in combination therewith. No. 1,246,451; Nov. 13; v. 244; p. 421.
- Meadows, Joseph F., Rosalia, Wash., assignor of one-half to I. D. Lemley. Sheaf-carrier. No. 1,218,792; Mar. 13; v. 236; p. 583.
- Meadway, Ernest G., assignor to The British Patent Surbrite Company Limited, London, England. Screen for moving and other projected pictures. No. 1,216,154; Feb. 13; v. 235; p. 627.
- Meadwell, William E., Ithaca, N. Y., assignor of one-third to J. O. Little, Pittsburgh, Pa. Measuring instrument. No. 1,239,502; Sept. 11; v. 242; p. 277.
- Meaker, John W., Detroit, Mich. Flush-tank valve mechanism. No. 1,238,317; Aug. 28; v. 241; p. 1000.
- Means, Charles M., assignor of two-thirds to W. A. McCutcheon, Pittsburgh, Pa. Methane-detector. No. 1,231,045; June 26; v. 239; p. 1019.
- Means, Pliny E., Tyrone, N. Mex. Safety attachment for synchroscopes. No. 1,230,003; June 12; v. 239; p. 594.
- Mearkle, Louis K., Philadelphia, assignor to Duquesne Sales Company, Pittsburgh, Pa. Collapsible drinking-cup. No. 1,212,378; Jan. 16; v. 234; p. 745.
- Mearkle, Louis K., Philadelphia, Pa., assignor to G. Leerburger, New York, N. Y. Coin-controlled vending-machine. No. 1,248,368; Nov. 27; v. 244; p. 1043.
- Mears, Charles W., Cleveland, Ohio. Paper-bending machine. No. 1,222,437; Apr. 10; v. 237; p. 535.
- Mears, Clem B., et al. (See McKeever, Charles, assignor.)
- Mears, Robert S., Arkansas City, Kans. Grid for battery-plates. No. 1,240,076; Sept. 11; v. 242; p. 457.
- Meas, Augustus, Niagara Falls, N. Y. Garment-balancing device. No. 1,222,012; Apr. 10; v. 237; p. 384.

- Meas, Augustus, and F. C. Moll, assignors to Niagara Automatic Hose Reel Company, Incorporated, Niagara Falls, N. Y. Hose-storing apparatus. No. 1,242,015; Oct. 2; v. 243; p. 175.
- Mecham, James G., San Diego, Cal., assignor to Mecham Manufacturing Co. Hydropneumatic vaporizing apparatus for gas-engines. No. 1,239,929; Sept. 11; v. 242; p. 415.
- Mecham Manufacturing Co. (See Mecham, James G., assignor.)
- Mechanical Construction Company, The. (See Hanna, William T., assignor.)
- Mechanical Development Company of Missouri. (See Mapel, Lewis A., assignor.)
- Mechanical Efficiency Company. (See Cadden, Charles C., assignor.)
- Mechanical & Electrical Manufacturing Company. (See McBean and Birchwood, assignors.)
- Mechanical Rubber Company, The. (See Foote, Herman M., assignor.)
- Mechanical Rubber Company. (See Kinsley, Morren, and Haynes, assignors.)
- Mechano Gear Shift Cr (See Richardson, Bayard E., assignor.)
- Mechau, Frederick A., assignor to J. M. Biddle, Washington, D. C., and W. C. Marrow, Narragansett Pier, R. I. Time-controlled electric switch. No. 1,217,618; Feb. 27; v. 235; p. 1232.
- Mechlin, Ernest F., Washington, D. C., assignor to The T. H. Symington Company, Baltimore, Md. Draft-rigging. No. 1,250,481; Dec. 18; v. 245; p. 667.
- Mechling, Thomas F., Wilkensburg, Pa. Vacuum-siphon. No. 1,250,928; Dec. 18; v. 245; p. 800.
- Meck, William. (See Lynch and Meck.)
- Meckel, Frank A., Lakewood, Ohio. Lubricator. No. 1,239,203; Sept. 4; v. 242; p. 154.
- Meckling, Herman, New York, N. Y. Ash-can. No. 1,249,983; Dec. 11; v. 245; p. 480.
- Mecklembourg, Anna H. A. de, Paris, France. Folding and portable night-stool. No. 1,236,407; Aug. 14; v. 241; p. 313.
- Medanich, Daniel B., Buechel, assignor to himself, J. R. Wright, and O. H. Kelsall, Louisville, Ky. Internal-combustion motor. No. 1,247,982; Nov. 27; v. 244; p. 936.
- Medanich, Daniel B., Buechel, Ky., assignor to himself, O. H. Kelsall, and J. R. Wright. Internal-combustion engine. No. 1,247,983; Nov. 27; v. 244; p. 936.
- Medanich, Daniel B., Buechel, assignor to himself, P. J. B. Parenteau, J. R. Wright, and O. H. Kelsall, Louisville, Ky. Internal-combustion motor. No. 1,227,169; May 22; v. 238; p. 1177.
- Medearis, Eugene F., Quenemo, Kans. Dental mixing-slab. No. 1,210,513; Jan. 2; v. 234; p. 47.
- Medgyes, Charles, Budapest, Hungary, assignor to Wenger & Co., Delemont, Switzerland. Machine for polishing metallic bodies. No. 1,224,191; May 1; v. 238; p. 27.
- Medicus, Randall F., Youngstown, Ohio. Direction-indicator and signaling device for vehicles. No. 1,226,102; May 15; v. 238; p. 778.
- Meditsch, Franz, Vienna, Austria. Production of imitation feathers. No. 1,246,296; Nov. 13; v. 244; p. 375.
- Medley, John E., Portland, Oreg., assignor of one-half to W. B. Schuette, Morristown, Minn. Lawn-mower sharpener. No. 1,240,469; Sept. 18; v. 242; p. 620.
- Medlock, Walter M. (See Herzog and Medlock.)
- Medveckzy, Julius F., and F. Mayer, San Francisco, Cal. Cooling-receptacle. No. 1,237,669; Aug. 21; v. 241; p. 760.
- Meehan, Frederick E., Philadelphia, Pa. Printing-press. No. 1,232,950; July 10; v. 240; p. 501.
- Meehan, Frederick E., Philadelphia, Pa. Attachment for printing-presses. No. 1,234,785; July 31; v. 240; p. 1198.
- Meehan, Robert E. L., Cincinnati, Ohio. Brake-head. No. 1,230,749; June 19; v. 239; p. 879.
- Meek, Lawrence N., Squirrel, Idaho. Beet and vegetable toppler. No. 1,225,841; May 15; v. 238; p. 688.
- Meek, Sturges F., Brooklyn, N. Y. Hatch-opening mechanism. No. 1,216,155; Feb. 13; v. 235; p. 627.
- Meek, Walter H., Louisville, Ky. Fumigating-candle and making the same. No. 1,222,883; Apr. 17; v. 237; p. 732.
- Meeks, Annie L., Gadsden, Ala. Adjustable invalid-chair. No. 1,219,834; Mar. 20; v. 236; p. 743.
- Meem, James C., assignor of one-half to F. L. Cranford, Brooklyn, N. Y. Apparatus for sheathing the walls of an excavation. No. 1,246,133; Nov. 13; v. 244; p. 326.
- Meem, James C., assignor of one-half to F. L. Cranford, Brooklyn, N. Y. Tunnel-shield. No. 1,246,134; Nov. 13; v. 244; p. 326.
- Meem, James C., assignor of one-half to F. L. Cranford, Brooklyn, N. Y. Sectional sheathing. No. 1,246,135; Nov. 13; v. 244; p. 327.
- Meem, James C., assignor of one-half to F. L. Cranford, Brooklyn, N. Y. Caisson. No. 1,246,136; Nov. 13; v. 244; p. 327.
- Meers, Stephen, Brooklyn, N. Y. Apparatus for making artificial leather. No. 1,235,043; July 31; v. 240; p. 1279.
- Mees, Abraham W., Mason, W. Va. Puzzle. No. 1,251,400; Dec. 25; v. 245; p. 989.
- Meese, Louis F. W., Minneapolis, Minn. Advertisement-displaying machine. No. 1,230,313; June 19; v. 239; p. 735.
- Mefferd, Earl, assignor of one-fifth to R. W. Cain, Denver, Colo. Cushion-tire. No. 1,212,084; Jan. 9; v. 234; p. 619.
- Mefford, William G., Ava, Mo. Shoe-polishing machine. No. 1,217,803; Feb. 27; v. 235; p. 1295.
- Megathlin, Jesse L., Miami, Fla., assignor of one-fourth to J. W. Cook, one-fourth to J. A. Pegg, and one-fourth to J. A. Waldeck. Rotary cutter. No. 1,217,108; Feb. 20; v. 235; p. 1007.
- Megill, Edward L., New York, N. Y. Apparatus for treating house waste or sewage. No. 1,224,483; May 1; v. 238; p. 133.
- Meginniss, Francis R. (See Havens and Meginniss.)
- Megow, Charles F., Detroit, Mich. Attachment for tractors. No. 1,215,687; Feb. 13; v. 235; p. 460.
- Megow, Charles F., Detroit, Mich. Traction bearing-wheel. No. 1,241,870; Oct. 2; v. 243; p. 127.
- Megurowsky, Max, New York, N. Y. Attachment for bracelet-watches. No. 1,232,825; July 10; v. 240; p. 460.
- Mehlberger, Louis, Easton, Pa. Fertilizer-distributor and planter. No. 1,215,955; Feb. 13; v. 235; p. 555.
- Mehle, Michael, assignor of nine-fortieths to J. G. Banse and nine-fortieths to C. Petersen, Cleveland, Ohio. Rotary motor. No. 1,244,529; Oct. 30; v. 243; p. 1097.
- Mehle, Michael, assignor of nine-fortieths to J. G. Banse and nine-fortieths to C. Petersen, Cleveland, Ohio. Rotary engine. No. 1,247,700; Nov. 27; v. 244; p. 853.
- Mehlfelder, Anton, New York, N. Y. Intermittent-motion mechanism. No. 1,225,151; May 8; v. 238; p. 413.
- Mehlfelder, Anton, New York, N. Y. Locking device for intermittent driving mechanism. No. 1,239,119; Sept. 4; v. 242; p. 129.
- Mehlfelder, Anton, assignor to J. F. Gilmore, New York, N. Y. Moving-picture machine. No. 1,245,755; Nov. 6; v. 244; p. 184.
- Mehlhope, Clarence E., Chicago, Ill. Gearing. No. 1,212,238; Jan. 16; v. 234; p. 703.
- Mehlhope, Clarence E., H. R. Matthei, and T. Z. Mally, Chicago, Ill., assignors to G. Plamondon, Wheaton, Ill.; A. D. Plamondon, executor. Clasp. No. 1,229,200; June 5; v. 239; p. 277.
- Mehring, George, Chicago, Ill. Steam-pipe thimble. No. 1,219,576; Mar. 20; v. 236; p. 654.
- Mehrings, Arthur H., Benson, Ill. Steering device for farm-tractors. No. 1,211,332; Jan. 2; v. 234; p. 328.
- Mehurin, Walter P., et al. (See Payne, Wallace A., assignor.)
- Mehurin, Walter P., et al. (See Payne and Gosnell, assignors.)
- Meier, Albert J., Glendale, and W. L. Swift, assignors to The Temco Manufacturing Company, St. Louis, Mo. Automatic operating means for ticket vending and registering machines. No. 1,215,178; Feb. 6; v. 235; p. 242.
- Meier, Edward C., Phoenixville, Pa. Coupling. No. 1,220,254; Mar. 27; v. 236; p. 927.
- Meier, Edward C., Phoenixville, Pa. Boiler. No. 1,239,026; Sept. 4; v. 242; p. 99.
- Meier, Edward C., Phoenixville, Pa. Superheater for boilers. No. 1,244,530; Oct. 30; v. 243; p. 1098.
- Meier, Edward C., Phoenixville, Pa. Boiler. No. 1,245,005; Oct. 30; v. 243; p. 1242.
- Meier, John, and J. F. Wallace, Dallas, Tex. Cotton harvesting and cleaning machine. No. 1,239,614; Sept. 11; v. 242; p. 313.
- Meiers, Paul D., Granite City, Ill. Cover for tooth-brushes. No. 1,213,235; Jan. 23; v. 234; p. 1087.
- Meigs, Charles H., Philadelphia, Pa., assignor to National Fire Extinguisher Company. Fluid-distributing apparatus. No. 1,214,061; Jan. 30; v. 234; p. 1403.
- Meigs, Curtis C., assignor to Electro-Chemical Supply & Engineering Company, Philadelphia, Pa. Acid and waterproof cement and making the same. No. 1,237,078; Aug. 14; v. 241; p. 532.
- Meigs, Curtis C., assignor to Electro-Chemical Supply & Engineering Company, Philadelphia, Pa. Manufacture of acid and water proof cement. No. 1,245,608; Nov. 6; v. 244; p. 142.
- Meikle, Daniel G., assignor of one-half to J. S. Shields, Detroit, Mich. Alarm-clock. No. 1,228,039; May 29; v. 238; p. 1498.
- Meikle, George S., Schenectady, N. Y., assignor to General Electric Company. Incandescent cathode device. No. 1,230,004; June 12; v. 239; p. 594.
- Meiklejohn, John W., Pawtucket, R. I. Piano. No. 1,233,682; July 17; v. 240; p. 776.
- Meile, Frank X., Boulder, Colo. Brooder. No. 1,226,235; May 15; v. 238; p. 823.
- Meillon, Patrick J., Connersville, Ind. Automatic sprinkler system. No. 1,212,096; Jan. 9; v. 234; p. 623.
- Meinecke, Christian W., East Orange, N. J., assignor to Meinecke & Company, New York, N. Y. Combined air and stuffed cushion. No. 1,218,291; Mar. 6; v. 236; p. 142.
- Meinecke & Company. (See Meinecke, Christian W., assignor.)
- Meinecke, Herman A., Los Angeles, Cal. Apparatus for preserving and ripening bananas. No. 1,238,550; Aug. 28; v. 241; p. 1077.

Alphabetical list of patentees—Continued.

- Meinecke, Joseph, Paia, Maui, Hawaii. Rotary cutter for sugar-cane and the like. No. 1,217,326; Feb. 27; v. 235; p. 1126.
- Meinel, Frederick E., Wilmette, assignor to Illinois Show Case Works, Chicago, Ill. Support for displaying collars. No. 1,250,482; Dec. 18; v. 245; p. 668.
- Meiners, Frank H., Cincinnati, Ohio. Flushing-valve. No. 1,218,793; Mar. 13; v. 236; p. 353.
- Meiners, Frank H., Cincinnati, Ohio. Flushing-valve. No. 1,238,425; Aug. 28; v. 241; p. 1035.
- Meinhardt, Adam B., Paxico, Kans. Harvester. No. 1,223,999; Apr. 24; v. 237; p. 1149.
- Meinhardt, Adam B., Paxico, Kans. Harvester. No. 1,224,000; Apr. 24; v. 237; p. 1149.
- Meinhardt, Adam B., Paxico, Kans. Harvester-reel-operating mechanism. No. 1,224,001; Apr. 24; v. 237; p. 1150.
- Meinhardt, Adam B., Paxico, Kans. Cutting mechanism for harvesters. No. 1,224,002; Apr. 24; v. 237; p. 1150.
- Meinhardt, Adam B., Paxico, Kans. Harvester. No. 1,224,003; Apr. 24; v. 237; p. 1151.
- Meinhardt, Adam B., Paxico, Kans. Harvester. No. 1,224,004; Apr. 24; v. 237; p. 1152.
- Meinhardt, Adam B., Paxico, Kans. Steering mechanism for harvesters. No. 1,224,005; Apr. 24; v. 237; p. 1152.
- Meinhardt, Frederick A. B. (See Well, Hugo C., assignor.)
- Meinhardt, Paul H., Marion, Ohio. Rocker attachment. No. 1,227,062; May 22; v. 238; p. 1140.
- Meirowsky, Max, Cologne-Lindenthal, Germany. Making mica plates. No. 1,241,539; Oct. 2; v. 243; p. 22.
- Meis, Ernst, Peru, Ill. Vehicle. No. 1,227,477; May 22; v. 238; p. 1276.
- Meisel, Charles A., assignor to Meisel Press & Manufacturing Company, Boston, Mass. Plate-cylinder. No. 1,220,668; Mar. 27; v. 236; p. 1073.
- Meisel, Francis, assignor to Meisel Press & Manufacturing Company, Boston, Mass. Machine for coating bottle-caps. No. 1,224,768; May 1; v. 238; p. 232.
- Meisel Press & Manufacturing Company. (See Meisel, Charles A., assignor.)
- Meisel Press & Manufacturing Company. (See Meisel, Francis, assignor.)
- Meissner, Alexander. (See Arco and Meissner.)
- Meissner, Charles F., Brooklyn, N. Y. Tobacco-pipe. No. 1,249,984; Dec. 11; v. 245; p. 481.
- Meister, Louis H., Chicago, Ill. Column-mold. No. 1,248,691; Dec. 4; v. 245; p. 77.
- Meitner, Rudolph J., Dodge City, Kans. Number-illuminating device for motor-vehicles. No. 1,240,470; Sept. 18; v. 242; p. 621.
- Melang, Ole A., Seattle, Wash. Step-ladder. No. 1,219,754; Mar. 20; v. 236; p. 715.
- Melanowski, Leo, assignor, by mesne assignments, to The White Motor Company, Cleveland, Ohio. Front-wheel-brake mechanism. No. 1,218,794; Mar. 13; v. 236; p. 354.
- Melas, William, Ridley Park, assignor to D. Townsend, Philadelphia, Pa. Gage. No. 1,216,831; Feb. 20; v. 235; p. 914.
- Melby, Benjamin, Ashby, Minn. Cutting apparatus. No. 1,214,345; Jan. 30; v. 234; p. 1501.
- Melchert, Charles A., assignor to Automatic Machine Manufacturing Co., Kansas City, Mo. Vending-machine. No. 1,219,657; Mar. 20; v. 236; p. 682.
- Melchert, Charles A., assignor to Automatic Machine Manufacturing Co., Kansas City, Mo. Automatic vending-machine. No. 1,220,440; Mar. 27; v. 236; p. 995.
- Melchior, Johann D., Scranton, Pa. Tire-armor. No. 1,251,401; Dec. 25; v. 245; p. 989.
- Melchiori, Charles, Stambaugh, Mich. Funnel. No. 1,237,800; Aug. 21; v. 241; p. 799.
- Melde, Frederick W. (See Blaha, Charles B., assignor.)
- Melde, Friedrich W., Norfolk, Va. Cement-block mold. No. 1,214,571; Feb. 6; v. 235; p. 31.
- Melder, Theodore, Dedham, Mass. Backing-off attachment for lathes. No. 1,251,263; Dec. 25; v. 245; p. 948.
- Meldrim, Charles R., Cincinnati, and J. J. Meldrim, Truxton, N. Y. Round box. No. 1,215,956; Feb. 13; v. 235; p. 556.
- Meldrim, Josiah J. (See Meldrim, Charles R. and J. J.)
- Meldrum, Charles. (See Wall and Meldrum.)
- Meldrum, Henry J., Detroit, Mich. Chalk-line holder. No. 1,219,473; Mar. 20; v. 236; p. 617.
- Melger, Joseph C., Walla Walla, Wash. Swingle-tree-clip. No. 1,240,238; Sept. 18; v. 242; p. 548.
- Melhart, George G., assignor of one-half to G. D. Livesley, Sumner, Wash. Clothes-pin. No. 1,245,756; Nov. 6; v. 244; p. 185.
- Melhuish, William J., Upper Parkstone, England. Manufacture of artificial milk and the treatment of its residues. No. 1,210,667; Jan. 2; v. 234; p. 101.
- Melhuish, William J., Parkstone, England. Substitute for milk, made from soya-beans and arachis (peat) nuts. No. 1,243,855; Oct. 23; v. 243; p. 858.
- Melia, Martin, assignor to Commercial Truck Company of America, Philadelphia, Pa. Battery-tongs. No. 1,219,979; Mar. 20; v. 236; p. 794.
- Melia, Martin, assignor to Commercial Truck Company of America, Philadelphia, Pa. Battery-element puller. No. 1,239,420; Sept. 4; v. 242; p. 222.
- Melia, Martin, assignor to Commercial Truck Company of America, Philadelphia, Pa. Battery-cover-removing device. No. 1,243,539; Oct. 16; v. 243; p. 724.
- Melin, Frank O., Council Bluffs, Iowa. Safety device for oil-burners. No. 1,237,937; Aug. 21; v. 241; p. 842.
- Melius, Esley V. C., Newark, N. J. Package-tie. No. 1,240,077; Sept. 11; v. 242; p. 457.
- Mell, Daisy W., Athens, Ga. Garment. No. 1,249,446; Dec. 11; v. 245; p. 325.
- Mellen, Greenville, East Orange, N. J. Casting-pot. No. 1,216,341; Feb. 20; v. 235; p. 744.
- Mellgren, Valdemar G., Tombstone, Ariz. Water-distiller. No. 1,237,079; Aug. 14; v. 241; p. 532.
- Mellick, Thomas L., Plainfield, N. J. Lead-pencil. No. 1,224,769; May 1; v. 238; p. 233.
- Mellin, Gustaf A. E., assignor of one-half to F. T. Hughes, Los Angeles, Cal. Gear-shifting lever for automobiles. No. 1,232,449; July 3; v. 240; p. 301.
- Melling, Herman W., Jackson, Mich. Tool and tool-carrier. No. 1,225,152; May 8; v. 238; p. 413.
- Mellis, Daniel. (See Thomson, Charles A., assignor.)
- Mello, Alfred S., Cambridge, assignor to The Reece Button Hole Machine Company, Boston, Mass. Combined clutch and stop motion. No. 1,227,643; May 29; v. 238; p. 1362.
- Melniczak, Alex, Camden, N. J. Aeroplane. No. 1,228,227; May 29; v. 238; p. 1558.
- Melnik, George, and K. Schultz, Philadelphia, Pa. Ship-protector. No. 1,244,627; Oct. 30; v. 243; p. 1128.
- Melown, George E., McKeesport, Pa. Apparatus for conveying and piling metal sheets. No. 1,216,832; Feb. 20; v. 235; p. 914.
- Melrose, George C., assignor of twenty one-hundredths to E. H. Stewart and ten one-hundredths to H. W. Melrose, Los Angeles, Cal. Railway-crossing. No. 1,231,405; June 26; v. 239; p. 1139.
- Melrose, Herman W., et al. (See Melrose, George C., assignor.)
- Melson, John, Windsor, Cal. Box construction. No. 1,216,587; Feb. 20; v. 235; p. 832.
- Melsted, Valdimar J., Winnipeg, Manitoba, Canada. Boiler compound. No. 1,210,965; Jan. 2; v. 234; p. 203.
- Melton, John W. (See Glasscock and Melton.)
- Meltzer, Harry, New York, N. Y. Elastic resilient core for automobile-tires, &c. No. 1,247,984; Nov. 27; v. 244; p. 936.
- Melugin, Frank, Reeds, Mo. Egg-container. No. 1,248,362; Nov. 27; v. 244; p. 1043.
- Melville, Charles F. (See Taylor and Melville.)
- Melville Clark Piano Company. (See Burton, Charles S., assignor.)
- Melville Clark Piano Company. (See Clark, Melville, assignor.)
- Melville, Mary M., Sandusky, Ohio. Candle-holder. No. 1,237,670; Aug. 21; v. 241; p. 760.
- Melville, Thomas A., Fargo, N. D. Electric-motor starter. No. 1,237,080; Aug. 14; v. 241; p. 532.
- Melvin, Charles H., assignor to Deere & Company, Moline, Ill. Tractor-plow. No. 1,249,447; Dec. 11; v. 245; p. 325.
- Melvin, Mark G., Scranton, Pa. Liquid-soap dispenser. No. 1,215,298; Feb. 6; v. 235; p. 283.
- Menard, Edward. (See Robert and Menard.)
- Menasha Cooperage Company. (See Wegner, Loescher, and Plowright, assignors.)
- Menaugh, Robert R. (See Black, John A., assignor.)
- Menco-Elma Syndicate Limited, The. (See Pollard, George, assignor.)
- Mendal, Henry L., Tampa, Fla. Flour-sifter. No. 1,212,239; Jan. 16; v. 234; p. 703.
- Mendal, Henry L., Baltimore, Md. Washboard. No. 1,250,929; Dec. 18; v. 245; p. 801.
- Mendal, Henry L., Tampa, Fla., assignor of one-fourth to K. M. Langley, Baltimore, Md. Combination cooking utensil. No. 1,212,661; Jan. 16; v. 234; p. 856.
- Mendel-Drucker Company, The. (See Klein and Luttman, assignors.)
- Mendel, James C., Titusville, Fla. Feed and medicament trough. No. 1,220,441; Mar. 27; v. 236; p. 996.
- Mendel, William. (See Elias and Mendel.)
- Mendelsohn, Edward, assignor to Carbon Cleaning Compound Company, St. Louis, Mo. Composition of matter for removing incrustations from internal-combustion engines. No. 1,244,114; Oct. 23; v. 243; p. 935.
- Mendelsohn, Harry, Westfield, N. J. Coin-handling machine. No. 1,242,016; Oct. 2; v. 243; p. 175.
- Mendelsohn, Harry, Mount Vernon, N. Y. Stamp-rack. No. 1,242,017; Oct. 2; v. 243; p. 175.
- Mendelson, Aaron, Brooklyn, N. Y. Device for picking up and dropping lump-sugar and candy. No. 1,219,474; Mar. 20; v. 236; p. 617.
- Mendenhall, Barzillai C., Parker, Ind. Fender for seeders and planters. No. 1,222,884; Apr. 17; v. 237; p. 732.
- Mendenhall, Bayard W., Salt Lake City, Utah. Incubator. No. 1,214,053; Jan. 30; v. 234; p. 1400.
- Mendenhall, Elbert V., Los Angeles, Cal. Table-mat. No. 1,214,054; Jan. 30; v. 234; p. 1401.
- Mendenhall, Hiram, and A. T. Killinger, Audubon, Iowa. Ironing-board. No. 1,235,147; July 31; v. 240; p. 1309.
- Mendenhall, John J., Clearwater, Fla. Adjustable sweat-band backing. No. 1,219,755; Mar. 20; v. 236; p. 715.
- Mendonca, Frank M., Hilo, Hawaii. Lamp-burner. No. 1,235,224; July 31; v. 240; p. 1332.

- Meng, Frederick A., and L. G. Schrader, Flint, Mich.; said Schrader assignor to said Meng. Flying-machine. No. 1,229,114; June 5; v. 239; p. 248.
- Meng, Frederick A., and L. G. Schrader, Flint, Mich.; said Meng assignor to said Schrader. Rain-signal. No. 1,234,063; July 17; v. 240; p. 896.
- Mengel Box Company. (See Hamilton, Thomas S., assignor.)
- Mengel Box Company. (See Hamilton and Moore, assignors.)
- Menges, Theodore C., assignor to Associated Manufacturers Company, Waterloo, Iowa. Kerosene-gasifier for internal-combustion engines. No. 1,237,536; Aug. 21; v. 241; p. 716.
- Menhall, James W., and C. G. Clement, Beloit, Wis. Tractor-trailer coupling. No. 1,240,995; Sept. 25; v. 242; p. 815.
- Menkin, Max, New York, N. Y. Button-die. No. 1,251,078; Dec. 25; v. 245; p. 894.
- Mennie, William, assignor of one-half to C. A. Fetting, Detroit, Mich. Differential gearing. No. 1,225,842; May 15; v. 238; p. 689.
- Mensching, Carl, Birkenhead, assignor to W. E. Mounsey, Liverpool, England. Monoazo dye. No. 1,217,042; Feb. 20; v. 235; p. 985.
- Mensen, Conrad P., San Francisco, Cal. Folding umbrella. No. 1,211,610; Jan. 9; v. 234; p. 456.
- Mensforth, Holberry, Manchester, England, assignor, by mesne assignments, to The Colonial Trust Company, trustee, Pittsburgh, Pa. Internal-combustion engine. No. 1,214,937; Feb. 6; v. 235; p. 159.
- Mensforth, Holberry, Manchester, assignor to The British Westinghouse Electric & Manufacturing Company, London, England. Condensing apparatus. No. 1,229,636; June 12; v. 239; p. 457.
- Mentel, George A., Pittsburgh, Pa. Soap-dish. No. 1,248,522; Dec. 4; v. 245; p. 27.
- Mentel, George E. (See Mentel, Simon N., M. A., and G. E.)
- Mentel, Mary A. (See Mentel, Simon N., M. A., and G. E.)
- Mentel, Simon N., M. A., and G. E., Springfield, Ohio. Stove. No. 1,228,579; June 5; v. 239; p. 70.
- Mentzer, Claude E., Des Moines, Iowa. Light-ray deflector. No. 1,245,006; Oct. 30; v. 243; p. 1243.
- Mentzer, Claude E., assignor of one-half to C. B. Smith, Des Moines, Iowa. Steering-wheel lock. No. 1,234,369; July 24; v. 240; p. 1033.
- Mentzer, Claude E., assignor of one-third to C. B. Smith and one-third to S. G. Mattheis, Des Moines, Iowa. Steering-wheel lock for automobiles. No. 1,227,644; May 29; v. 238; p. 1362.
- Mentzer, John P. (See Crowds, Walter A., assignor.)
- Mentzer, Walter Y., assignor to Grand Rapids School Equipment Co., Grand Rapids, Mich. Lathe-center. No. 1,239,027; Sept. 4; v. 242; p. 99.
- Menzel, Herbert, Germania, Wyo. Cuspidor implement. No. 1,227,645; May 29; v. 238; p. 1363.
- Menzenbach, William F., Elk River, Idaho. Weeder and cultivator. No. 1,244,531; Oct. 30; v. 243; p. 1099.
- Menzenhauer, Frederick, Jersey City, N. J. Zither-action. No. 1,226,352; May 15; v. 238; p. 865.
- Menzer, Joseph G., New Bedford, Mass. Strip-metal blocker. No. 1,230,750; June 19; v. 239; p. 879.
- Menzies, John, New Haven, Conn. Screw-seated valve. No. 1,244,881; Oct. 30; v. 243; p. 1205.
- Menzies, Stephen H., London, England. Treatment of water, sewage, and the like. No. 1,229,305; June 12; v. 239; p. 363.
- Méray, Frank, New York, N. Y. Self-lubricating plane. No. 1,222,438; Apr. 10; v. 237; p. 535.
- Mercantile Corporation. (See Lenn and Boomershire, assignors.)
- Mercantile Corporation. (See Marston, Howard F., assignor.)
- Mercer, Charles H., Steelton, and C. H. Woehle, Paxtang, Pa. Bascule-bridge. No. 1,241,237; Sept. 25; v. 242; p. 891.
- Mercer, Charles W., Georgetown, S. C. Thrust-bearing. No. 1,229,306; June 12; v. 239; p. 363.
- Mercer, Henry H., Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Stoneworking-machine. No. 1,222,553; Apr. 10; v. 237; p. 578.
- Mercer, Henry H., Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Stoneworking-machine. No. 1,228,040; May 29; v. 238; p. 1498.
- Mercer, Henry H., Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Stoneworking-machine. No. 1,228,041; May 29; v. 238; p. 1498.
- Mercer, Henry H., Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Stoneworking-machine. No. 1,250,609; Dec. 18; v. 245; p. 706.
- Mercer, Henry H., and D. J. O'Rourke, Claremont, N. H., assignors, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Stoneworking-machine. No. 1,250,608; Dec. 18; v. 245; p. 705.
- Mercer, John C., Pittsburgh, Pa. Sound-reproducing stylus. No. 1,221,348; Apr. 3; v. 237; p. 122.
- Mercer, John L. C., Cobham, England. Rounding and backing machine for bookbinding. No. 1,237,537; Aug. 21; v. 241; p. 716.
- Merchant's Loan and Trust Company, The, executor. (See Fitzgerald, John M.)
- Mercur, Frederick C., Henryetta, Okla. Vehicle-tire. No. 1,249,985; Dec. 11; v. 245; p. 481.
- Mercury Manufacturing Company. (See Bulley, George W., assignor.)
- Meredith, Edward W., Bloomsburg, Pa. Fluid-pressure motor. No. 1,211,209; Jan. 2; v. 234; p. 286.
- Meredith, Herbert B., McAlester, Okla. Automatic film-winding mechanism for cameras. No. 1,221,558; Apr. 3; v. 237; p. 196.
- Meredith, James G., Lynchburg, Va. Side-dumping hand-car. No. 1,230,005; June 12; v. 239; p. 594.
- Meredith, John H., St. Anthony, Idaho. Puzzle. No. 1,245,942; Nov. 6; v. 244; p. 241.
- Meredith-Jones, Hubert, New York, N. Y., assignor to The Rotor Vacuum Cleaner Company, Inc. Rotary fan. No. 1,214,812; Feb. 6; v. 235; p. 113.
- Meredith-Jones, Hubert, New York, N. Y., assignor to The Rotor Vacuum Cleaner Company, Inc. Vacuum-cleaner. No. 1,219,756; Mar. 20; v. 236; p. 716.
- Meredith, Ross. (See Dexter and Meredith.)
- Mergen, Joseph F., Tipton, and G. W. Hoover, Osborne, Kans. Luggage-carrier. No. 1,221,559; Apr. 3; v. 237; p. 197.
- Mergendeller, John F. (See Hendrickson and Mergendeller.)
- Mergenthaler Linotype Company. (See Bedell, Richard M., assignor.)
- Mergenthaler Linotype Company. (See Boardman, Robert O., assignor.)
- Mergenthaler Linotype Company. (See Dodge, Philip T., assignor.)
- Mergenthaler Linotype Company. (See Fields, Gordon B., assignor.)
- Mergenthaler Linotype Company. (See Guest, Alfred W. F., assignor.)
- Mergenthaler Linotype Company. (See Kennedy, David S., assignor.)
- Mergenthaler Linotype Company. (See Kingsbury, George P., assignor.)
- Mergenthaler Linotype Company. (See McCarty, George B., assignor.)
- Mergenthaler Linotype Company. (See Muehleisen, Carl, assignor.)
- Mergenthaler Linotype Company. (See Muehleisen and Albrecht, assignors.)
- Mergenthaler Linotype Company. (See Röger, Karl, assignor.)
- Mergenthaler Linotype Company. (See Rogers, John R., assignor.)
- Mergenthaler Linotype Company. (See Rousseau, Joseph L., assignor.)
- Mergenthaler Linotype Company. (See Smith, Augustus H., assignor.)
- Mericle, Clarence. (See Schlueter and Mericle.)
- Mérie, Jean, Paris, France. Sterilizing liquids. No. 1,230,751; June 19; v. 239; p. 880.
- Meriwether, Ann-Lock, *et al.* (See Galbraith, David G., assignor.)
- Merkel, Arthur W., Birmingham, Ala., assignor to Continental Gin Company. Quick-demountable bearing for lint-gin-saw shafts. No. 1,230,591; June 19; v. 239; p. 828.
- Merkel, Georg, Munich, Germany. Retort discharger. No. 1,228,942; June 5; v. 239; p. 191.
- Merkel, Georg, Munich, Germany. Distilling and exsiccating watery combustibles. No. 1,229,637; June 12; v. 239; p. 475.
- Merkel, James B. (See Reynolds, Walter M., assignor.)
- Merkel, Martin, Celestine, Ind. Signal-operating mechanism. No. 1,245,757; Nov. 6; v. 244; p. 185.
- Merklee, William H., Union Hill, and J. H. Geraghty, Bogota, N. J. Container label and guard. No. 1,238,551; Aug. 28; v. 241; p. 1077.
- Mermelstein, Bertha, New York, N. Y. Tire-protector. No. 1,227,289; May 22; v. 238; p. 1216.
- Mernyk, Maurice, Detroit, Mich. Combination easy-chair. No. 1,214,701; Feb. 6; v. 235; p. 78.
- Mernyk, Maurice, Detroit, Mich. Chair. No. 1,219,409; Mar. 13; v. 236; p. 566.
- Mero, Jesse R., Half Moon Bay, assignor of six-tenths to J. Blumlein, San Francisco, Cal. Machine for separating peas from refuse. No. 1,224,484; May 1; v. 238; p. 133.
- Merrell, Irving S., assignor to Merrell-Soule Company, Syracuse, N. Y. Changing the consistency of liquids containing solids. No. 1,225,348; May 8; v. 238; p. 481.
- Merrell-Soule Company. (See Gere, William B., assignor.)
- Merrell-Soule Company. (See Merrell, Irving S., assignor.)
- Merriam, Ezra B., Schenectady, N. Y., assignor to General Electric Company. Electric switch. No. 1,222,439; Apr. 10; v. 237; p. 536.
- Merriam, Harry C., assignor to American Carburetor Co., Indianapolis, Ind. Carburetor. No. 1,225,466; May 8; v. 238; p. 521.

Alphabetical list of patentees—Continued.

- Merrick, Ernest, assignor to Merrick Fireproof Construction Co., Elizabeth, N. J. Fireproof construction. No. 1,239,503; Sept. 11; v. 242; p. 278.
- Merrick Fireproof Construction Co. (See Merrick, Ernest, assignor.)
- Merrick, Frank W., assignor to Union Lock Stitch Company, Boston, Mass. Lasting-machine. No. 1,245,117; Oct. 30; v. 243; p. 1276.
- Merrill, Arthur H., Hartford, Conn. Combined match-box holder and cigar-tip cutter. No. 1,220,442; Mar. 27; v. 236; p. 996.
- Merrill, Bayard T., Alderton, Wash. Automobile-headlight. No. 1,248,146; Nov. 27; v. 244; p. 981.
- Merrill, Charles W., Berkeley, Cal. Apparatus for separating unfilterable material from a mixture of filterable and unfilterable matter. No. 1,226,103; May 15; v. 238; p. 779.
- Merrill, Charles W., Berkeley, Cal. Treating semisolid material in the containers of filter-presses and removing the same therefrom. No. 1,226,104; May 15; v. 238; p. 779.
- Merrill, Earl S., Golconda, Nev. Rack. No. 1,243,856; Oct. 23; v. 243; p. 858.
- Merrill, Edward C., Asheville, N. C. Hose-reel. No. 1,236,734; Aug. 14; v. 241; p. 422.
- Merrill, Francis S., Amesbury, Mass. Automobile-truck wheel. No. 1,219,022; Mar. 13; v. 236; p. 483.
- Merrill, Frank W., Chicago, Ill. Electrical regulator. No. 1,220,255; Mar. 27; v. 236; p. 928.
- Merrill, Harry E., Monmouth, Me. Constructing moccasin-shoes. No. 1,231,183; June 26; v. 239; p. 1065.
- Merrill, Jason L., Washington, D. C. Manufacturing tow from flax and similar plants. No. 1,222,968; Apr. 17; v. 237; p. 760.
- Merrill Metallurgical Company. (See Mills, Louis D., assignor.)
- Merrill, Nathaniel C., New York, N. Y. Bake-pan. No. 1,226,353; May 15; v. 238; p. 866.
- Merrill, Thomas S., Detroit, Mich. Paper-fastener. No. 1,236,336; Aug. 7; v. 241; p. 257.
- Merrimac Chemical Company. (See Kimball, Herbert S., assignor.)
- Merriman, Collett H., Dana, Ind. Power-tamp. No. 1,224,770; May 1; v. 238; p. 233.
- Merriman, David F., and C. W. Harris, Waterloo, Iowa. Counting-machine. No. 1,230,196; June 19; v. 239; p. 696.
- Merriman, Robert M., Akron, Ohio. Collapsible core. No. 1,213,525; Jan. 23; v. 234; p. 1188.
- Merriman, Robert M., Akron, Ohio. Fabric tire. No. 1,213,929; Jan. 30; v. 234; p. 1356.
- Merriman, Robert M., Akron, Ohio. Building cord tires. No. 1,219,835; Mar. 20; v. 236; p. 743.
- Merriman, Robert M., Akron, Ohio. Collapsible core. No. 1,221,349; Apr. 3; v. 237; p. 122.
- Merriman, Robert M., Akron, Ohio. Making four-ply lock-cord tires. No. 1,221,887; Apr. 10; v. 237; p. 341.
- Merriman, Robert M., Akron, Ohio. Four-ply lock-cord tire. No. 1,221,888; Apr. 10; v. 237; p. 342.
- Merritt, Adelbert R., Brewerton, N. Y. Adjustable saw-filing guide. No. 1,223,191; Apr. 17; v. 237; p. 838.
- Merritt, Arthur A., Worcester, Mass., assignor to Wilcox & Gibbs Sewing Machine Co., New York, N. Y. Seam. No. 1,219,023; Mar. 13; v. 236; p. 434.
- Merritt, Arthur A., Worcester, Mass., assignor to Wilcox & Gibbs Sewing Machine Co., New York, N. Y. Seam and formation. No. 1,219,024; Mar. 13; v. 236; p. 434.
- Merritt, Benjamin F., East Orange, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Indicating and recording apparatus. No. 1,218,795; Mar. 13; v. 236; p. 354.
- Merritt, Benjamin F., East Orange, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Signal-transmitter. No. 1,218,796; Mar. 13; v. 236; p. 355.
- Merritt, Frederick R., Redding, Cal. Guard for steel traps. No. 1,231,406; June 26; v. 239; p. 1140.
- Merritt, Joseph, Hartford, and W. A. Sawyer, West Hartford, assignors to The Hartford Lock Ring Company, Hartford, Conn. Bending tubing. No. 1,217,101; Feb. 20; v. 235; p. 1004.
- Merritt Manufacturing Company. (See Hatch, Charles H., assignor.)
- Merrow, Joseph M., assignor to The Merrow Machine Company, Hartford, Conn. Overseaming-machine. No. 1,217,975; Mar. 6; v. 236; p. 30.
- Merrow, Joseph M., assignor to The Merrow Machine Company, Hartford, Conn. Lubricating means for sewing-machines. No. 1,217,976; Mar. 6; v. 236; p. 31.
- Merrow, Joseph M., assignor to The Merrow Machine Company, Hartford, Conn. Overseaming-machine. No. 1,217,977; Mar. 6; v. 236; p. 31.
- Merrow, Joseph M., assignor to The Merrow Machine Company, Hartford, Conn. Sewing-machine. No. 1,243,089; Oct. 16; v. 243; p. 502.
- Merrow, Joseph M., assignor to The Merrow Machine Company, Hartford, Conn. Sewing-machine. No. 1,244,115; Oct. 23; v. 243; p. 935.
- Merrow Machine Company, The. (See Avis, Samuel W., assignor.)
- Merrow Machine Company, The. (See Merrow, Joseph M., assignor.)
- Merry, Alfred B., Springfield, Mass., assignor to The Cott-A-Lap Company, Somerville, N. J. Preparation of ingredients for the production of colored calcimines. No. 1,247,128; Nov. 20; v. 244; p. 657.
- Merry, Frank B., and J. D. Ware, Savannah, Ga. Turning and fluting machine. No. 1,223,597; Apr. 24; v. 237; p. 1009.
- Merryweather, James, Greencastle, Ind. Train-controlling apparatus. No. 1,235,829; Aug. 7; v. 241; p. 98.
- Mersereau, Gail. (See Eldred and Mersereau.)
- Mersereau, Gail, New York, N. Y., assignor to Chemical Development Company. Process of chlorinating and products thereof. No. 1,224,485; May 1; v. 238; p. 134.
- Mersereau Metal Bed Company. (See Groff and Bunce, assignors.)
- Mersfelder, William L., Kennedy Heights, Ohio. Gas-oven. No. 1,231,771; July 3; v. 240; p. 78.
- Mersfelder, William L., Kennedy Heights, Ohio. Gas furnace and stove. No. 1,234,553; July 24; v. 240; p. 1092.
- Mersfelder, William L., assignor to Detroit Stove Works, Detroit, Mich. Fire-box lining. No. 1,250,200; Dec. 18; v. 245; p. 584.
- Mershon, Frank A., Red Hill, Va. Bed. No. 1,218,102; Mar. 6; v. 236; p. 75.
- Mershon, John H., Van Alstyne, Tex. Dry closet. No. 1,223,711; Apr. 24; v. 237; p. 1051.
- Mersing, Josef, Zollikon, near Zurich, Switzerland. Electric lamp. No. 1,249,652; Dec. 11; v. 245; p. 383.
- Mertelmeyer, Gisbert, assignor to The Bristol Company, Waterbury, Conn. Automatic compensating device. No. 1,228,803; June 5; v. 239; p. 147.
- Mertens, John C., Chicago, Ill. Plastic surfacing material and producing same. No. 1,235,989; Aug. 7; v. 241; p. 150.
- Mertes, Edwin P., St. Louis, Mo. Expansion boring-bar. No. 1,233,683; July 17; v. 240; p. 776.
- Mertz, Frank A., New York, N. Y. Non-refillable bottle. No. 1,216,343; Feb. 20; v. 235; p. 744.
- Mertz, George W., North Fort Worth, Tex. Bracket. No. 1,219,025; Mar. 13; v. 236; p. 435.
- Mertz, Herman B., Beach View, Pa. Valve-spring lifter. No. 1,214,572; Feb. 6; v. 235; p. 31.
- Mertz, Matt J., West Bend, Iowa. Anchoring device. No. 1,246,975; Nov. 20; v. 244; p. 613.
- Mertz, Otto L., Gladstone, Mich. Package-tie. No. 1,241,647; Oct. 2; v. 243; p. 58.
- Merwin, George M., Berwyn, Ill., assignor to International Harvester Company of New Jersey. Ensilage-cutter distributor. No. 1,216,342; Feb. 20; v. 235; p. 744.
- Merwin, George M., Berwyn, Ill., assignor to International Harvester Company of New Jersey. Delivery-pipe for fodder-cutters. No. 1,241,540; Oct. 2; v. 243; p. 22.
- Merwin, George M., Berwyn, Ill., assignor to International Harvester Company of New Jersey. Ensilage-cutter. No. 1,241,541; Oct. 2; v. 243; p. 22.
- Merwin, George M., Berwyn, Ill., assignor to International Harvester Company of New Jersey. Ensilage-cutter. No. 1,246,976; Nov. 20; v. 244; p. 613.
- Merwin, George M., Berwyn, Ill., assignor to International Harvester Company of New Jersey. Ensilage-cutter. No. 1,247,307; Nov. 20; v. 244; p. 707.
- Merwin, George M., Berwyn, Ill., assignor to International Harvester Company of New Jersey. Ensilage-cutter or the like. No. 1,250,335; Dec. 18; v. 245; p. 623.
- Merwin, John C., assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf binder. No. 1,233,897; July 17; v. 240; p. 844.
- Mery, Robert, New York, N. Y. Automobile-body construction. No. 1,227,290; May 22; v. 238; p. 1216.
- Merz, Arthur F. L., Rochester, N. Y. Bed-table. No. 1,235,359; July 31; v. 240; p. 1373.
- Mesecar, George E., Sierra Madre, Cal. Fence-post. No. 1,239,120; Sept. 4; v. 242; p. 129.
- Mesick, Albert W., Brooklyn, N. Y. Convertible tapping and drilling machine. No. 1,247,129; Nov. 20; v. 244; p. 657.
- Mesick, John, Spokane, Wash. Dirigible headlight. No. 1,231,184; June 26; v. 239; p. 1066.
- Mesinger, Frederick, New York, N. Y. Drive-chain. No. 1,236,964; Aug. 14; v. 241; p. 496.
- Mesinger, Frederick, New York, N. Y. Saddle for motorcycles. No. 1,240,587; Sept. 18; v. 242; p. 655.
- Mesmer, Joseph. (See Taylor, Harold F., assignor.)
- Messenger, Frederick. (See Flyx and Messenger.)
- Messer, Adolf, Frankfurt-on-the-Main, Germany. Welding and soldering torch. No. 1,214,055; Jan. 30; v. 234; p. 1401.
- Messerschmitt, Anton, Stolberg, Germany. Manufacture of an artificial manure or fertilizer. No. 1,214,346; Jan. 30; v. 234; p. 1501.
- Messerschmitt, Anton, Stolberg, Germany. Apparatus for producing hydrogen. No. 1,225,262; May 8; v. 238; p. 449.
- Messerschmitt, Anton, Stolberg, Germany. Apparatus for producing hydrogen. No. 1,225,263; May 8; v. 238; p. 449.
- Messerschmitt, Anton, Stolberg, Germany. Producing hydrogen. No. 1,225,264; May 8; v. 238; p. 449.
- Messina, Joseph, Benld, Ill. Acetylene-lamp. No. 1,219,980; Mar. 20; v. 236; p. 794.

- Messiter, Edwin H., Brooklyn, assignor to Electric Weighing Company, New York, N. Y. Electric meter. No. 1,221,560; Apr. 3; v. 237; p. 197.
- Messler, Arnold C. (See Swenson, Carl W., assignor.)
- Messler, Fred E., Canton, Ill. Non-skid chain. No. 1,239,711; Sept. 11; v. 242; p. 346.
- Messner, David A., assignor of one-third to S. A. Messner, Akron, Ohio. Tire. No. 1,233,278; July 10; v. 240; p. 605.
- Messner, David A., assignor of one-third to S. A. Messner, Akron, Ohio. Tire. No. 1,232,279; July 10; v. 240; p. 605.
- Messner, John H., Pittsburgh, Pa. Railway cross-tie. No. 1,225,153; May 8; v. 238; p. 413.
- Messner, Samuel A. (See Messner, David A., assignor.)
- Mesta, Charles J., and C. L. W. Trinks, assignors to Mesta Machine Company, Pittsburgh, Pa. Barometric condenser. No. 1,224,310; May 1; v. 238; p. 70.
- Mesta Machine Company. (See Mesta and Trinks, assignors.)
- Mester, Michael, Chicago, Ill. Animal-trap. No. 1,242,462; Oct. 9; v. 243; p. 356.
- Mester, Michael, Chicago, Ill. Combination chair-bed. No. 1,251,079; Dec. 25; v. 245; p. 895.
- Mestier, Arthur J., et al. (See Fuch, Emile E., assignor.)
- Metal Arts & Crafts Co. (See Jones, Charles E., assignor.)
- Metal Egg Crate Company. (See Ellis, Stuart, assignor.)
- Metal Office Furniture Co. (See Wege, Peter M., assignor.)
- Metal Products Corporation. (See Hackett, Bert G., assignor.)
- Metal Specialties Manufacturing Company. (See Berg, John, assignor.)
- Metalco Company, The. (See Wales, Charles M., assignor.)
- Metallic Sash-Operator Company Corporation. (See Quernheim and Neuhoft, assignors.)
- Metallic Shaft Company, The. (See Lard, Allan E., assignor.)
- Metallurgical Engineering & Process Corporation. (See Robinson, Cyrus, assignor.)
- Metallurgical Laboratories. (See Fulton, Charles H., assignor.)
- Metallurgical Laboratories. (See Fulton and Bains, assignors.)
- Metallurgical Laboratories. (See Jackson, Raymond O., assignor.)
- Metals Recovery Company. (See Bacon, Raymond F., assignor.)
- Metals Recovery Company. (See Cole, David, assignor.)
- Metals Recovery Company. (See Corliss, Harry P., assignor.)
- Metals Recovery Company. (See Perkins, Clement L., assignor.)
- Metals Recovery Company. (See Schwarz, Alfred, assignor.)
- Metals Research Company. (See Bacon, Raymond F., assignor.)
- Metals Research Company. (See Garner and Clayton, assignors.)
- Metals Research Company. (See Weidlein, Edward R., assignor.)
- Metcalf, Frederick. (See Reade and Metcalf.)
- Metcalf, Henry D., assignor of one-half to G. Dougherty, Casey, Ill. Fluid-controlling device. No. 1,212,085; Jan. 9; v. 234; p. 620.
- Metcalf, Jefferson D., Wisner, La., assignor of one-half to E. S. Poole, Coles, Miss. Tire-armor. No. 1,229,115; June 5; v. 239; p. 249.
- Metcalf, Maurice A. (See Sabbag, Litfallah G., assignor.)
- Metcalf, Hugh, Almonte, Ontario, Canada. Poison-bottle guard. No. 1,214,938; Feb. 6; v. 235; p. 160.
- Methodist Book Concern, The. (See Crocker, Adele T., assignor.)
- Methot, Magloire, Ottawa, Ontario, Canada. Switch. No. 1,217,043; Feb. 20; v. 235; p. 985.
- Methot, Magloire, Ottawa, Ontario, Canada. Switch. No. 1,236,585; Aug. 14; v. 241; p. 371.
- Mettier, John L. (See Hoskins and Mettier.)
- Metrewitz, Charlis, Chicago, Ill. Washing-machine. No. 1,214,574; Feb. 6; v. 235; p. 31.
- Metrustry, David, Newburgh, N. Y. Process and apparatus for molding and facing cementitious bodies. No. 1,211,953; Jan. 9; v. 234; p. 579.
- Mette, Konstantin. (See Lange and Mette.)
- Metten, John F., Philadelphia, Pa. Safety-valve. No. 1,231,280; June 26; v. 239; p. 1097.
- Metten, John F., Philadelphia, Pa., assignor to The William Cramp & Sons Ship & Engine Building Company. Turbine-nozzle. No. 1,213,930; Jan. 30; v. 234; p. 1357.
- Metten, John F., Philadelphia, Pa., assignor to The William Cramp & Sons Ship & Engine Building Company. Steam propulsion apparatus. No. 1,214,207; Jan. 30; v. 234; p. 1451.
- Metten, John F., Philadelphia, Pa., assignor to The William Cramp & Sons Ship & Engine Building Company. Reduction-gear for marine steam-turbines. No. 1,234,194; July 24; v. 240; p. 976.
- Metten, John F., Philadelphia, Pa., assignor to The William Cramp & Sons Ship & Engine Building Company. System of marine steam-turbines. No. 1,235,990; Aug. 7; v. 241; p. 151.
- Metten, John F., Philadelphia, Pa., assignor to The William Cramp & Sons Ship & Engine Building Company. Marine propulsion. No. 1,235,991; Aug. 7; v. 241; p. 151.
- Metten, John F., Philadelphia, Pa., assignor to The William Cramp & Sons Ship & Engine Building Company. Steam-turbine. No. 1,235,992; Aug. 7; v. 241; p. 151.
- Metten, John F., Philadelphia, Pa., assignor to The William Cramp & Sons Ship & Engine Building Company. Ship propulsion. No. 1,245,486; Nov. 6; v. 244; p. 102.
- Mettler, James R., and G. M. Laffoon, Drexel, Mo. Re-touching device for photographic negatives. No. 1,232,589; July 10; v. 240; p. 382.
- Metz, Norbert, Dülélingen, Luxemburg. Art of rolling. No. 1,229,497; June 12; v. 239; p. 427.
- Metz, Robert R., Chicago, Ill. Annunciator. No. 1,226,683; May 22; v. 238; p. 1009.
- Metz, Walter R., Washington, D. C., assignor of one-half to G. M. Drexelius, Baltimore, Md. Elevator-truck. No. 1,227,646; May 29; v. 238; p. 1363.
- Metzger, Arthur E., Browning, Ill. Brake apparatus. No. 1,223,192; Apr. 17; v. 237; p. 838.
- Metzger, Emanuel, New York, N. Y. Garment. No. 1,211,954; Jan. 9; v. 234; p. 579.
- Metzger, Ferdinand F., Philadelphia, Pa. Blue-printing machine. No. 1,234,554; July 24; v. 240; p. 1092.
- Metzger, Henrietta V. (See Metzger, William G. and H. V.)
- Metzger, Jules P., Carlstadt, assignor to The Leslie Company, Lyndhurst, N. J. Coupling. No. 1,217,804; Feb. 27; v. 235; p. 1295.
- Metzger, Jules P., Carlstadt, assignor to The Leslie Company, Lyndhurst, N. J. Pressure-regulator. No. 1,244,226; Oct. 23; v. 243; p. 969.
- Metzger, Theodore M., Los Angeles, Cal. Skylight. No. 1,239,421; Sept. 4; v. 242; p. 223.
- Metzger, William G. and H. V., Cleveland, Ohio. Mattress-cover. No. 1,250,201; Dec. 18; v. 245; p. 584.
- Metzler, Charles, Cincinnati, Ohio. Dental-waste receiver. No. 1,228,124; May 29; v. 238; p. 1526.
- Metzler, Robert. (See Metzler, William H. and R.)
- Metzler, William H., Syracuse, N. Y., and R. Metzler, Odessa, Ontario, Canada. Trench-digger. No. 1,229,116; June 5; v. 239; p. 249.
- Meuler, Ludwig, Oconomowoc, Wis. Rake. No. 1,227,478; May 22; v. 238; p. 1276.
- Meuser, Courtland B., and J. G. Breithaupt, Ashland, Ohio. Locking electrical switch. No. 1,233,098; July 10; v. 240; p. 548.
- Meuser, Lloyd G., Chicago, Ill. Stencil-sheet. No. 1,247,308; Nov. 20; v. 244; p. 708.
- Mewes, Richard W., Des Moines, Iowa. Boring-bar. No. 1,217,481; Feb. 27; v. 235; p. 1181.
- Mewes, Richard W., Des Moines, Iowa. Valve for engines. No. 1,227,479; May 22; v. 238; p. 1277.
- Mewes, Rudolf, Berlin, Germany. Apparatus for liquefying and separating gases. No. 1,215,957; Feb. 13; v. 235; p. 556.
- Mexica Power-Increasing Machine Co. (See Dominguez, Salvador, assignor.)
- Meyberg, Eugene J., Los Angeles, Cal. Lighting-fixture. No. 1,215,290; Feb. 6; v. 235; p. 284.
- Meyenburg, Konrad V. von, assignor to Motoculture Ltd., Basel, Switzerland. Tilling-machine. No. 1,241,173; Sept. 25; v. 242; p. 870.
- Meyer, Albert F. W., Chicago, Ill. Coffee-clearing composition. No. 1,239,930; Sept. 11; v. 242; p. 416.
- Meyer, Alexandre, Paris, France. Metal covering for car or vehicle bodies and preparing the same. No. 1,221,561; Apr. 3; v. 237; p. 197.
- Meyer, Alexandre, Paris, France. Manufacture of panels made of enameled or vitrified sheet metal designed to be used as covering means for railways, carriages, tramways, automobiles, and the like. No. 1,221,562; Apr. 3; v. 237; p. 198.
- Meyer, Alfred F. (See Reinhold and Meyer.)
- Meyer, Alfred F., Morton, Ill., assignor to W. H. Simmons, Minneapolis, Minn. Stock-feeding machine. No. 1,212,144; Jan. 9; v. 234; p. 641.
- Meyer, Anthony. (See Benedict, Fred L., assignor.)
- Meyer, August H., Plauen, Germany. Stitch-forming mechanism for embroidering-machines. No. 1,235,148; July 31; v. 240; p. 1309.
- Meyer, Bacharach and Friedheim. (See Meyer, William K., assignor.)
- Meyer, Christopher J., assignor to Evinrude Motor Company, Milwaukee, Wis. Detachable rowboat-motor. No. 1,231,046; June 26; v. 239; p. 1019.
- Meyer, Christopher J., assignor to Evinrude Motor Company, Milwaukee, Wis. Transom-clamping bracket. No. 1,236,735; Aug. 14; v. 241; p. 423.
- Meyer, Christopher J., Wauwatosa township, Milwaukee county, assignor to Evinrude Motor Company, Milwaukee, Wis. Propelling attachment for canoes, rowboats, &c. No. 1,234,370; July 24; v. 240; p. 1034.
- Meyer, Conrad, assignor to C. Wittmann, New York, N. Y. Sterilizer. No. 1,237,938; Aug. 21; v. 241; p. 842.
- Meyer, Earl H. M., Seattle, Wash. Electric spark-plug. No. 1,210,668; Jan. 2; v. 234; p. 102.
- Meyer, Erwin E. A. G., Detroit, Mich., assignor to Morgan & Wright. Treating rubber. No. 1,218,949; Mar. 13; v. 236; p. 408.

Alphabetical list of patentees—Continued.

- Meyer, Erwin E. A. G., Detroit, Mich., assignor to Morgan & Wright. Rubber compound and making same. No. 1,242,886; Oct. 9; v. 243; p. 491.
- Meyer, Erwin E. A. G., Detroit, Mich., assignor to Morgan & Wright. Regulating treatment of vulcanizable plastics. No. 1,247,985; Nov. 27; v. 244; p. 937.
- Meyer, Erwin E. A. G., and G. W. Selberling, Detroit, Mich., assignors to Morgan & Wright. Manufacturing tires. No. 1,226,236; May 15; v. 238; p. 823.
- Meyer, Eugene, *et al.* (See Perkins, Frank C., assignor.)
- Meyer, Fred, Malad City, Idaho. Sand-pipe cleaner. No. 1,217,327; Feb. 27; v. 235; p. 1126.
- Meyer, Frederick B., assignor of one-half to J. F. Ritterpusch, Baltimore, Md. Article-holder. No. 1,216,716; Feb. 20; v. 235; p. 875.
- Meyer, Frederick P., assignor to Kaiser Company, Chicago, Ill. Receptacle. No. 1,239,204; Sept. 4; v. 242; p. 154.
- Meyer, Frederick W., La Salle, Colo. Music-leaf turner. No. 1,248,692; Dec. 4; v. 245; p. 78.
- Meyer, Friedrich W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Frequency-changing system. No. 1,222,440; Apr. 10; v. 237; p. 536.
- Meyer, Friedrich W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,227,815; May 29; v. 238; p. 1421.
- Meyer, Friedrich W., Wilksburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of distribution. No. 1,235,583; Aug. 7; v. 241; p. 18.
- Meyer, Friedrich W., Wilksburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of distribution. No. 1,235,584; Aug. 7; v. 241; p. 18.
- Meyer, Friedrich W., Wilksburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of distribution. No. 1,235,585; Aug. 7; v. 241; p. 18.
- Meyer, George H., *et al.* (See Perkins, Frank C., assignor.)
- Meyer, George J., (See Lupinski and Meyer.)
- Meyer, George J., *et al.* (See Perkins, Frank C., assignor.)
- Meyer, George J., Milwaukee, Wis. Automatic safety-stop. No. 1,221,889; Apr. 10; v. 237; p. 342.
- Meyer, Gustave. (See Wullyamoz and Meyer.)
- Meyer, Harry C., Buffalo, assignor to Niagara Silk Mills, Inc., North Tonawanda, N. Y. Paper box. No. 1,250,610; Dec. 18; v. 245; p. 706.
- Meyer, Henry C., assignor to J. E. Hocken, San Francisco, Cal. Auxiliary air-valve. No. 1,220,872; Mar. 27; v. 236; p. 1143.
- Meyer, Henry E., Racine, and C. E. Jensen, Kenosha, Wis. Flushing mechanism. No. 1,233,684; July 17; v. 240; p. 776.
- Meyer, Henry F. (See Walsh, William F., assignor.)
- Meyer, Herman, Denver, Iowa. Poultry-roost. No. 1,227,647; May 29; v. 238; p. 1363.
- Meyer, Herman, New York, N. Y. Shoe. No. 1,248,147; Nov. 27; v. 244; p. 981.
- Meyer, Howard. (See Meyer, Martin and H.)
- Meyer, John J., Jr., Glenshaw, Pa., and J. G. Lepper, Bridgeport, Conn., assignors to Glenshaw Glass Company, Glenshaw, Pa. Lift-out for bottle-making machines. No. 1,211,611; Jan. 9; v. 234; p. 459.
- Meyer, Joseph, Los Gatos, Cal. Prune-gatherer. No. 1,251,080; Dec. 25; v. 245; p. 895.
- Meyer, Leo P., *et al.* (See Perkins, Frank C., assignor.)
- Meyer, Lora V., Brooklyn, N. Y. Carpet-beating frame. No. 1,231,281; June 26; v. 239; p. 1097.
- Meyer, Louis, New York, N. Y. Printing-press. No. 1,231,282; June 26; v. 239; p. 1098.
- Meyer, Martin, Omaha, Neb. Portable toilet-seat. No. 1,223,065; Apr. 17; v. 237; p. 793.
- Meyer, Martin and H., New York, N. Y. Syringe. No. 1,231,772; July 3; v. 240; p. 79.
- Meyer, Marvel F., Chicago, Ill. Printing upon the opening edges of books. No. 1,249,448; Dec. 11; v. 245; p. 325.
- Meyer, Maurice W., *et al.* (See Jones, Edward S., assignor.)
- Meyer, Max, assignor to The Rose Patch and Label Co., Grand Rapids, Mich. Label-making machine. No. 1,247,130; Nov. 20; v. 244; p. 657.
- Meyer, Max, assignor to The Rose Patch and Label Co., Grand Rapids, Mich. Label-making machine. No. 1,251,081; Dec. 25; v. 245; p. 895.
- Meyer, Norman H., *et al.* (See Jones, Edward S., assignor.)
- Meyer, Robert, Mülheim-on-the-Ruhr, Germany. Rock machine-drill for operating with flushing-water. No. 1,221,469; Apr. 3; v. 237; p. 164.
- Meyer, Simon. (See O'Neill, William, assignor.)
- Meyer, Trygve E., Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Company. Telephone-exchange system. No. 1,239,205; Sept. 4; v. 242; p. 155.
- Meyer, William, Chicago, Ill. Electrotherapeutic mechanism. No. 1,235,712; Aug. 7; v. 241; p. 58.
- Meyer, William, Chicago, Ill. Protecting means for X-ray tubes and the like. No. 1,237,362; Aug. 21; v. 241; p. 660.
- Meyer, William, Chicago, Ill. Therapeutic apparatus. No. 1,241,136; Sept. 25; v. 242; p. 859.
- Meyer, William, Jr., Swedeburg, Nebr. Hobbles. No. 1,244,628; Oct. 30; v. 243; p. 1128.
- Meyer, William J., Milwaukee, Wis. Skein-holder. No. 1,219,658; Mar. 20; v. 236; p. 682.
- Meyer, William K., Brooklyn, assignor to Meyer, Bacharach and Friedheim, New York, N. Y. Necktie. No. 1,226,105; May 15; v. 238; p. 780.
- Meyer, William K., Brooklyn, assignor to Meyer, Bacharach and Friedheim, New York, N. Y. Necktie. No. 1,232,826; July 10; v. 240; p. 460.
- Meyer, George R., Chicago, Ill. Toilet inclosure or booth. No. 1,226,684; May 22; v. 238; p. 1010.
- Meyerhofer, W. H. (See Deming, Frank B., assignor.)
- Meyerling, Bernard H., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-film cartridge. No. 1,225,988; May 15; v. 238; p. 739.
- Meyerowitz Manufacturing Company. (See Lehr, Louis, assignor.)
- Meyers, Franklin. (See Rahn and Meyers.)
- Meyers, Freddie A. C., Porter, Minn. Hair-bobbing device. No. 1,224,403; May 1; v. 238; p. 104.
- Meyers, George W., U. S. Army. Robber-proof railway-car. No. 1,221,563; Apr. 3; v. 237; p. 198.
- Meyers, Henry F. (See Derrick and Meyers.)
- Meyers, Herbert H., Pittsburgh, Pa., assignor to Armour Fertilizer Works, Chicago, Ill. Treating phosphate rock. No. 1,246,636; Nov. 13; v. 244; p. 478.
- Meyers, Hugh, Grundy Center, Iowa. Latch. No. 1,230,006; June 12; v. 239; p. 595.
- Meyers, Isidor. (See Meyers and Weaderhorn.)
- Meyers, John A., Forestell, Mo. Stove-pipe-joint lock. No. 1,217,805; Feb. 27; v. 235; p. 1296.
- Meyers, John J., assignor to J. A. Fay & Egan Company, Cincinnati, Ohio. Self-feed sawing-machine. No. 1,241,871; Oct. 2; v. 243; p. 128.
- Meyers, John M., West Chester, Pa. Fluid-pressure lifting-jack. No. 1,223,712; Apr. 24; v. 237; p. 1051.
- Meyers, Joseph E., Camp Stotsenburg, Pamponga, Philippine Islands. Semaphore-instructor. No. 1,229,638; June 12; v. 239; p. 476.
- Meyers, Laura M., Elmhurst, N. Y. Can-closure. No. 1,220,873; Mar. 27; v. 236; p. 1143.
- Meyers, Louis and I., and H. Weaderhorn, New York, N. Y. Tire-protector. No. 1,247,560; Nov. 20; v. 244; p. 779.
- Meyers, Louis A., Sauk Center, Minn., assignor, by mesne assignments, of one-half to Volunteer Firemen's Signal Company. Automatic fire and burglar alarm. (Re-issue.) No. 14,288; Apr. 17; v. 237; p. 892.
- Meyers, Otto H., New York, N. Y. Shade-bracket. No. 1,234,064; July 17; v. 240; p. 896.
- Meyers, Raymond L., Miller, Ind. Vending-machine. No. 1,212,662; Jan. 16; v. 234; p. 856.
- Meyers, Robert L., San Francisco, Cal. Fruit-juice extractor. No. 1,228,342; May 29; v. 238; p. 1596.
- Meyers, Samuel L., Oceanpark, assignor to Sam Meyers & Company, Los Angeles, Cal. Coffee-maker. No. 1,217,044; Feb. 20; v. 235; p. 985.
- Meyers & Son, Louis. (See Aaron and Jones, assignors.)
- Meyers, Willard F., Long Island City, and M. Simons, New York, N. Y. Shaping mechanism for planing-machines. No. 1,216,583; Feb. 20; v. 235; p. 832.
- Meyner, Walter, New York, N. Y. Toy. No. 1,216,589; Feb. 20; v. 235; p. 833.
- Meyner, Walter, New York, N. Y. Toy. No. 1,216,590; Feb. 20; v. 235; p. 833.
- Meyner, Walter, New York, N. Y. Toy. No. 1,223,508; Apr. 24; v. 237; p. 979.
- Mianus Manufacturing Company Inc. (See Cunliffe, Wilfred, assignor.)
- Mibach, Henry J., and R. H. Elder, San Francisco, Cal. Direction-indicator for vehicles. No. 1,233,386; July 17; v. 240; p. 678.
- Michael, Harry B. W., assignor to International Silver Co., Meriden, Conn. Attachment for coffee-pots. No. 1,247,131; Nov. 20; v. 244; p. 657.
- Michael, Joseph E., Kingsport, Tenn. Sanitary cuspidor. No. 1,232,951; July 10; v. 240; p. 502.
- Michael, Norman R., Mainville, Pa. Spark-plug attachment. No. 1,241,751; Oct. 2; v. 243; p. 91.
- Michael, Samuel P., assignor of fifty-one one hundredths to P. A. Rice, Frankfurt, Ind. Tire-rim. No. 1,235,360; July 31; v. 240; p. 1373.
- Michaelsen, Charles O., Omaha, Neb., assignor to M. E. Michaelsen, Minneapolis, Minn. Ore-pulverizer. No. 1,247,701; Nov. 27; v. 244; p. 854.
- Michaelsen, Charles O., assignor to M. E. Michaelsen, Minneapolis, Minn. Mineral washer and separator. No. 1,247,702; Nov. 27; v. 244; p. 854.
- Michaelsen, Harold N. (See Thomson and Michaelsen.)
- Michaelsen, Minnie E. (See Michaelsen, Charles O., assignor.)
- Michajlov, Mita, New York, N. Y. Artificial limb. No. 1,215,835; Feb. 13; v. 235; p. 511.
- Michalkowski, Curt von. (See Poppe and Michalkowski.)
- Michaud, Conrad, Wantagh, N. Y. Chicken-roost. No. 1,213,526; Jan. 23; v. 234; p. 1189.
- Michaud, George, and W. E. Gurtner, Three Rivers, Quebec, Canada. Skee. No. 1,235,713; Aug. 7; v. 241; p. 58.
- Michaud, Gustave N., St. Paul, Minn. Stamp and inking-pad holder. No. 1,237,538; Aug. 21; v. 241; p. 716.

- Michaud, Joseph O., Fort Kent, Me. Auxiliary brake for automobiles. No. 1,243,960; Oct. 23; v. 243; p. 889.
- Michaud, Onesime E., St. Louis, Mo. Roller-bearing. No. 1,220,765; Mar. 27; v. 236; p. 1106.
- Michel, Christopher B., Oilfields, Cal. Quick-acting retainer for mountable rims. No. 1,212,379; Jan. 16; v. 234; p. 754.
- Michel, John, Philadelphia, Pa. Vulcanizer. No. 1,218,441; Mar. 6; v. 236; p. 192.
- Michel-Lévy, Henri, assignor to Société Anonyme des Etablissements Lejeune & H. Michel-Lévy, Paris, France. Templet-lathe. No. 1,239,422; Sept. 4; v. 242; p. 223.
- Michell, Anthony G. M., Melbourne, Victoria, Australia. Lubricating-bearing. No. 1,236,337; Aug. 7; v. 241; p. 258.
- Michell, Edward, Detroit, Mich. Card-holder. No. 1,246,297; Nov. 13; v. 244; p. 375.
- Michelson, Frederick H., Denver, Colo. Automobile-head-light dimmer. No. 1,222,013; Apr. 10; v. 237; p. 385.
- Michelson, Henry, Garwin, Iowa. Oilier. No. 1,212,086; Jan. 9; v. 234; p. 620.
- Michie, James C., Newport News, Va. Compound tool. No. 1,246,768; Nov. 13; v. 244; p. 515.
- Michigan Hearse and Motor Company. (See Yeider, Harry A., assignor.)
- Michigan Lubricator Company. (See Whitbeck, Neal W., assignor.)
- Michigan Stove Company, The. (See Keep, William J., assignor.)
- Michigan Stove Company, The. (See Maul, Henry C., assignor.)
- Michulis, Anthony Z., Chicago, Ill. Air-pump. No. 1,241,872; Oct. 2; v. 243; p. 128.
- Mickelson, John, Anaconda, Mont. Ore-concentrating apparatus. No. 1,219,128; Mar. 13; v. 236; p. 469.
- Micolino, Mathew. (See Davis, Michael J., assignor.)
- Micon, David, Benton Harbor, Mich. Mattress. No. 1,211,475; Jan. 9; v. 234; p. 409.
- Micropho-Detector Co. (See Boissonnault, Gaston, assignor.)
- Mid-Continent Machinery Company. (See Lounsbury, Rowe F., assignor.)
- Mid-West Box Company. (See Hans, Thomas, assignor.)
- Mid-West Manufacturing Co. (See Hopkins, Arthur C., assignor.)
- Middlebrook, James J., Brimley, Mich. Four-wheel drive for trucks. No. 1,249,449; Dec. 11; v. 245; p. 325.
- Middleditch, Lyman, Scarsdale, N. Y. Sheet-feeding machine. No. 1,244,755; Oct. 30; v. 243; p. 1167.
- Middleton, Charles S., and D. B. Thompson, Blakely, Ga. Cotton-elevator. No. 1,240,752; Sept. 18; v. 242; p. 706.
- Middleton, John M., and H. T. Shore, Savannah, assignors of one-third to F. Dieter, East Savannah, Ga. Operating means for automobile direction-indicators. No. 1,219,757; Mar. 20; v. 236; p. 716.
- Middleton, Richard. (See Carpenter and Middleton.)
- Midgarden, Amund. (See Bjørnby and Midgarden.)
- Midgley, Albert H. (See Vandervell and Midgley.)
- Midgley, Albert H., and C. A. Vandervell, Acton Vale, England. Self-regulating dynamo-electric machine. No. 1,217,482; Feb. 27; v. 235; p. 1182.
- Midgley, Thomas, Jr., Worthington, assignor to The National Cash Register Company, Dayton, Ohio. Transfer mechanism. No. 1,237,213; Aug. 1; v. 241; p. 572.
- Midgley, Thomas, Worthington, Ohio, assignor to Morgan & Wright, Detroit, Mich. Paper-wrapping machine for tires. No. 1,238,318; Aug. 28; v. 241; p. 1001.
- Midgorden, Leonard J. (See Housas and Midgorden.)
- Midvale Steel Company, The. (See Furness, Radcliffe, assignor.)
- Midwest Metals Company, The. (See Malm, John L., assignor.)
- Mieher, Gustave H. (See Wargensted, Henry C., assignor.)
- Miehle Printing Press & Manufacturing Company, The. (See Clark, Edward L. C., assignor.)
- Miehle Printing Press & Manufacturing Company. (See Henderson, Carl, assignor.)
- Miehle Printing Press & Manufacturing Company. (See Stevens, Burt D., assignor.)
- Miehle, Robert, Chicago, Ill. Blotting or offsetting mechanism for printing-presses. No. 1,240,996; Sept. 25; v. 242; p. 816.
- Mierzwik, John A., Roscoe, Tex. Harrow. No. 1,249,450; Dec. 11; v. 245; p. 326.
- Mieth, Otto, assignor to Ohio Pattern Works, Cincinnati, Ohio. Vibrator. No. 1,248,886; Dec. 4; v. 245; p. 136.
- Mietoff, Erick. (See Haack and Mietoff.)
- Migbell, Ellis W., Plano, Ill. Vehicle-tire. No. 1,234,682; July 24; v. 240; p. 1182.
- Migbell, Louis J., Lake City, Iowa. Washing-machine. No. 1,245,758; Nov. 6; v. 244; p. 185.
- Mihalyi, Joseph, assignor to Crown Optical Company, Rochester, N. Y. Optical instrument. No. 1,229,117; June 5; v. 239; p. 249.
- Mihalyi, Joseph, assignor to Crown Optical Company, Rochester, N. Y. Optical instrument. No. 1,249,163; Dec. 4; v. 245; p. 212.
- Mijnbouwmatschappij Aequator. (See Vermaes, Stefanus J., assignor.)
- Mikell, Stephen, and S. Soltesz, Cleveland, Ohio. Nut-lock. No. 1,210,669; Jan. 2; v. 234; p. 102.
- Mikell, Nobles and Company. (See Mikell, William M., assignor.)
- Mikell, William M., assignor of one-half to Mikell, Nobles and Company, Blackshear, Ga. Fish-stringer. No. 1,212,087; Jan. 9; v. 234; p. 620.
- Mikkelsen, Christian, Beloit, Wis. Valve-grinder. No. 1,246,769; Nov. 13; v. 244; p. 516.
- Mikkelsen, Peder. (See Potter and Mikkelsen.)
- Mikkin, Carl A., Olmsted, Ill. Hame and trace connector. No. 1,233,493; July 17; v. 240; p. 713.
- Miklea, Alexander, Detroit, Mich. Boot and shoe sole construction. No. 1,247,132; Nov. 20; v. 244; p. 658.
- Miklea, Alexander, Detroit, Mich. Permutation-lock-controlled mail-box. No. 1,247,133; Nov. 20; v. 244; p. 658.
- Mikorey, Hans, Schöneberg, near Berlin, Germany, assignor, by mesne assignments, to Minimax Company, New York, N. Y. Fire-extinguisher. No. 1,224,192; May 1; v. 238; p. 27.
- Milano, Silvestro, New York, N. Y. Signal mechanism. No. 1,242,575; Oct. 9; v. 243; p. 393.
- Milano, Silvestro, New York, assignor of one-half to G. E. H. Werham, South Nyack, N. Y. Detachable heel. No. 1,212,796; Jan. 16; v. 234; p. 903.
- Milbauer, Samuel A., New York, N. Y. Collapsible pail. No. 1,232,827; July 10; v. 240; p. 460.
- Milburn, Leonidas J., et al. (See Maxwell, Dillard L., assignor.)
- Milburn, Luther P., Boulder, Colo. Furniture-polish. No. 1,222,441; Apr. 10; v. 237; p. 537.
- Milburn, Williamson J., et al. (See Maxwell, Dillard L., assignor.)
- Milecz, Rudolph, Hoboken, N. J. Lathe tool-holder. No. 1,214,347; Jan. 30; v. 234; p. 1501.
- Miles, Albert E., Haverhill, Mass. Locking device for sliding doors. No. 1,223,713; Apr. 24; v. 237; p. 1051.
- Miles, Christopher C., Westover, Md. Combined stove and table. No. 1,224,773; May 1; v. 238; p. 234.
- Miles, Don D. (See Connor and Miles.)
- Miles, George W., Belmont, Mass. Method of making emulsions of compound waxes and the product of said method. No. 1,224,948; May 8; v. 238; p. 345.
- Miles, George W., Belmont, assignor to Ross Chemical Company, Boston, Mass. Incorporating filling material in paper. No. 1,228,580; June 5; v. 239; p. 70.
- Miles, Marshal T., Chicago, Ill. Vehicle-tire. No. 1,251,082; Dec. 25; v. 245; p. 895.
- Miles, Myrtle C., et al. (See Connor and Miles, assignors.)
- Miles, Sherman, Washington, D. C. Bedding-roll. No. 1,239,712; Sept. 11; v. 242; p. 346.
- Miles, Willard R., Denver, Colo. Door-fastener for box-side doors. No. 1,234,786; July 31; v. 240; p. 1498.
- Milet, Richard N., Kokomo, Ind. Manure-spreader. No. 1,247,703; Nov. 27; v. 244; p. 854.
- Milgrom, Charles, and D. Dunn, Philadelphia, Pa. Axis-finder for a lens. No. 1,232,466; July 3; v. 240; p. 307.
- Milhening, Frank, assignor to J. Milhening, Inc., Chicago, Ill. Ring. No. 1,224,193; May 1; v. 238; p. 28.
- Milkes, Leah G., Minneapolis, Minn. Combination sleeping-robe and pinning-blanket. No. 1,236,586; Aug. 14; v. 241; p. 371.
- Mill Devices Company. (See Byrd, Britton E., assignor.)
- Millan, Edward N., Kansas City, Mo. Photographic apparatus. No. 1,249,291; Dec. 4; v. 245; p. 250.
- Millar, John, Norwood, Ohio. Belt-fastener. No. 1,250,611; Dec. 18; v. 245; p. 706.
- Millar, John R., Oakland, assignor to California Cotton Mills Company, San Francisco, Cal. Quilt and mattress. No. 1,221,890; Apr. 10; v. 237; p. 343.
- Millar, William E., Chicago, Ill. Endless film and reel device for exhibiting pictures, &c. No. 1,211,955; Jan. 9; v. 234; p. 580.
- Millar, William E., Chicago, Ill. Reel for picture-machines. No. 1,239,504; Sept. 11; v. 242; p. 278.
- Millar, William T., Arnprior, Ontario, Canada. Cultivator. No. 1,218,681; Mar. 13; v. 236; p. 311.
- Millard, Edward F., Watertown, Mass. Paper and making the same. No. 1,244,116; Oct. 23; v. 243; p. 936.
- Millard, Henry, Chicago, Ill. Adjustable-unit visible-card index. No. 1,210,670; Jan. 2; v. 234; p. 102.
- Millard, Reginald W., assignor to Foster, Merriam & Company, Meriden, Conn. Caster. No. 1,230,502; June 19; v. 239; p. 797.
- Millard, Robert M. (See Stafford, Millard, and Paul.)
- Millard, Robley C., Atlanta, Ga. Block-signaling system. No. 1,241,873; Oct. 2; v. 243; p. 129.
- Millea, Thomas D., assignor to Try Me Manufacturing Company, Springfield, Mass. Combined pressure reducing and relief valve. No. 1,242,713; Oct. 9; v. 243; p. 436.
- Millen, Victor A., Akron, Ohio. Stock-watering device. No. 1,212,537; Jan. 16; v. 234; p. 810.
- Miller, Albert, et al. (See Pollock, John L., assignor.)
- Miller, Albert, Rochester, Minn. Door-operating device. No. 1,210,514; Jan. 2; v. 234; p. 47.
- Miller, Albert E., Geneseo, Ill. Fodder-rack. No. 1,242,361; Oct. 9; v. 243; p. 323.
- Miller, Albert F. (See Peters, Faith, and Miller.)
- Miller, Albert F. (See Peters and Miller.)
- Miller, Albert F., Denver, Colo. Mechanical-movement mechanism. No. 1,223,509; Apr. 24; v. 237; p. 979.

Alphabetical list of patentees—Continued.

- Miller, Albert F., assignor to Individual Specialties, Inc., New York, N. Y. Peg-board. No. 1,221,470; Apr. 3; v. 237; p. 164.
- Miller, Alfred H., Philadelphia, Pa. Antifriction-bearing and assembling the same. No. 1,247,858; Nov. 27; v. 244; p. 901.
- Miller, Alfred H., and L. M. Watkin, Jr., Philadelphia, Pa. Antifriction-bearing. No. 1,247,859; Nov. 27; v. 244; p. 901.
- Miller, Alfred K., Worcester, Mass. Magnetic clutch for bobbins. No. 1,236,965; Aug. 14; v. 241; p. 496.
- Miller, Andrew E., Baltimore, Md. Display-rack. No. 1,219,758; Mar. 20; v. 236; p. 716.
- Miller, Andrew E., assignor to S. Himmel, Baltimore, Md. Display-rack. No. 1,214,348; Jan. 30; v. 234; p. 1502.
- Miller, Andrew E., assignor to S. Himmel, Baltimore, Md. Display-rack. No. 1,214,479; Jan. 30; v. 234; p. 1544.
- Miller, Andrew E., assignor to S. Himmel, Baltimore, Md. Display-rack. No. 1,234,371; July 24; v. 240; p. 1034.
- Miller, Andrew F., assignor to E. R. Jones, Columbus, Ohio. Water-motor. No. 1,243,199; Oct. 16; v. 243; p. 624.
- Miller, Anna C., assignor of one-fourth to F. J. Schadel, Kansas City, Mo. Well-drill. No. 1,244,882; Oct. 30; v. 243; p. 1206.
- Miller, Arthur B., Alicel, Oreg. Device for raising a harrow or plow from the ground. No. 1,220,136; Mar. 20; v. 236; p. 852.
- Miller, Arthur E., Sacramento, Cal. Starting-crank for automobiles. No. 1,236,587; Aug. 14; v. 241; p. 372.
- Miller, Arthur E., Sacramento, Cal. Starting-crank for automobiles. No. 1,236,588; Aug. 14; v. 241; p. 372.
- Miller, Arthur E., assignor to The G. W. Parsons Company, Newton, Iowa. Caterpillar-wheel. No. 1,228,687; June 5; v. 239; p. 106.
- Miller, Arthur E., assignor to The G. W. Parsons Company, Newton, Iowa. Caterpillar-tractor. No. 1,228,688; June 5; v. 239; p. 106.
- Miller, August W., Kansas City, Mo. Game. No. 1,230,503; June 19; v. 239; p. 798.
- Miller, Bendix, assignor of one-half to C. A. Bright, Oakland, Cal. Casing-feeder. No. 1,222,318; Apr. 10; v. 237; p. 492.
- Miller, Carl G., Bay City, Mich. Automobile street-sweeper. No. 1,224,771; May 1; v. 238; p. 233.
- Miller, Chalmers A., Mapleton, Iowa. Wheel-tire. No. 1,212,380; Jan. 16; v. 234; p. 755.
- Miller, Charles C., Pittsburg, Kans. Steam-dome separator and boiler-skimmer. No. 1,239,931; Sept. 11; v. 242; p. 416.
- Miller, Charles D., Alcolu, S. C. Range-finder and speed-indicator for aircraft. No. 1,235,909; Aug. 7; v. 241; p. 124.
- Miller, Charles E., Anderson, Ind. Vulcanizer for rubber tires. No. 1,234,065; July 17; v. 240; p. 897.
- Miller, Charles E., assignor to The Pyle-National Company, Chicago, Ill. Rock-shaft for valve-gears. No. 1,222,969; Apr. 17; v. 237; p. 760.
- Miller, Charles F., Deepcreek, Wash. Warning-signal. No. 1,212,538; Jan. 16; v. 234; p. 810.
- Miller, Charles F., Deepcreek, Wash. Disk grain-drill. No. 1,234,372; July 24; v. 240; p. 1034.
- Miller, Charles H. (See Arrington and Miller.)
- Miller, Charles H., Libertyville, Iowa. Farm-tractor. No. 1,248,693; Dec. 4; v. 245; p. 78.
- Miller, Charles H., and K. A. Read, Oskaloosa, Iowa. Hydrant. No. 1,218,950; Mar. 13; v. 236; p. 408.
- Miller, Charles L., and L. J. Toffelmier, assignors to Junior Monarch Hay Press Company, San Leandro, Cal. Baling-press. No. 1,239,932; Sept. 11; v. 242; p. 416.
- Miller, Charles M. (See Schroeder and Miller.)
- Miller, Charles R., and T. A. Key, Whitesboro, Tex. Meat-slicer. No. 1,214,939; Feb. 6; v. 235; p. 160.
- Miller, Charles T., Macon, Ga. Water-faucet. No. 1,226,106; May 15; v. 238; p. 780.
- Miller, Charles Z., and R. H. Klickman, Chicago, Ill. Combined sled and wheeled vehicle. No. 1,217,200; Feb. 27; v. 235; p. 1084.
- Miller, Charlie O. (See Wilson and Miller.)
- Miller, Clifford G., New York, N. Y. Signal apparatus. No. 1,244,065; Oct. 23; v. 243; p. 920.
- Miller, Cosby D., St. Joseph, Mo. Temperature-controller for automobile-engines. No. 1,251,264; Dec. 25; v. 245; p. 948.
- Miller, Curt, assignor to The North Side Tool Works, Dayton, Ohio. Work-gage. No. 1,238,714; Aug. 28; v. 241; p. 1125.
- Miller, D. D., Canton, Ohio. Track for sliding doors. No. 1,216,591; Feb. 20; v. 235; p. 833.
- Miller, Dalbert J., Green Bay, Wis., and J. M. Anstin, Chicago, Ill. Valve-gear. No. 1,239,933; Sept. 11; v. 242; p. 416.
- Miller, Daniel B., Wheeling, W. Va. Adjustable table. No. 1,243,750; Oct. 23; v. 243; p. 825.
- Miller, Daniel D., New York, N. Y., assignor, by mesne assignments, to Western Electric Company. Switching device for telephone systems. No. 1,211,612; Jan. 9; v. 234; p. 456.
- Miller, Daniel D., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Electromagnetic device. No. 1,240,471; Sept. 13; v. 242; p. 621.
- Miller, David L. (See Bawtinheimer and Miller.)
- Miller, Dorr, Chicago, Ill., assignor to Miller Transmission Company. Variable-speed-transmission device. No. 1,224,868; May 1; v. 238; p. 266.
- Miller, Du Brul and Peters Manufacturing Co., The. (See Du Brul, Albert, assignor.)
- Miller, Du Brul and Peters Manufacturing Co., The. (See Fearon, Thomas E., assignor.)
- Miller, Earnest H., Ladysmith, Wis. Window-shade trimmer and roller-cutter. No. 1,214,575; Feb. 6; v. 235; p. 32.
- Miller, Edgar F., Hartford, Conn. Coin-carrier. No. 1,235,910; Aug. 7; v. 241; p. 125.
- Miller, Edward. (See Murphy and Miller.)
- Miller, Edward M., Kent, Ohio. Lock. No. 1,212,381; Jan. 16; v. 234; p. 755.
- Miller, Edwin, Taunton, Mass. Collar-fastener. No. 1,212,088; Jan. 9; v. 234; p. 620.
- Miller, Edwin L., Millersburg, Ohio. Automatic gear-shift for automobiles. No. 1,244,629; Oct. 30; v. 243; p. 1128.
- Miller Electric Switch Company, The. (See Walker, Cassius M., assignor.)
- Miller, Emil C., Nutley, assignor to Sanitary Spout Company, West Nutley, N. J. Closure for bottles, jars, and other vessels. No. 1,221,350; Apr. 3; v. 237; p. 123.
- Miller, Emil R., Willow Lake, S. D. Automobile attachment. No. 1,232,952; July 10; v. 240; p. 502.
- Miller, Emmert S., Peoria, Ill. Elevator system. No. 1,216,476; Feb. 20; v. 235; p. 792.
- Miller, Emory H., et al. (See Wolfe, Clinton M., assignor.)
- Miller, Fernando G., Fort Myers, Fla. Fish-scene fabric. No. 1,217,978; Mar. 6; v. 236; p. 31.
- Miller, Forest E., Newberry, S. C. Grits-separator. No. 1,226,562; May 15; v. 238; p. 931.
- Miller, Frank E., New York, N. Y. Cusp-diaphragm mechanism. No. 1,220,669; Mar. 27; v. 236; p. 1074.
- Miller, Frank F., assignor to E. Hicks, Yankton, S. D. Rubbing-post. No. 1,243,961; Oct. 23; v. 243; p. 890.
- Miller, Frank J., Fostoria, Ohio. Valve-lock. No. 1,215,958; Feb. 13; v. 235; p. 556.
- Miller, Frank P., Meadville, Pa. Turret attachment for lathes. No. 1,236,200; Aug. 7; v. 241; p. 216.
- Miller, Frank P., Meadville, Pa. Reamer. No. 1,244,227; Oct. 23; v. 243; p. 970.
- Miller, Frank S., deceased; D. S. Morris, administrator, Indianapolis, Ind., assignor to W. Langenkamp, Jr., trustee. Air-lift-pump booster. No. 1,227,816; May 29; v. 238; p. 1421.
- Miller, Frank W., Chicago, Ill., assignor to F. W. Miller Heating Co. Boiler washing and filling system. No. 1,238,172; Aug. 28; v. 241; p. 952.
- Miller, Fred E., Compton, Ill. Riveting instrument. No. 1,211,333; Jan. 2; v. 234; p. 328.
- Miller, Fred J., Silver City, Iowa. Self-soaping wash-board. No. 1,247,561; Nov. 20; v. 244; p. 779.
- Miller, Frederick H., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Gyrotory fan. No. 1,227,291; May 22; v. 238; p. 1217.
- Miller, Frederick W., Indianapolis, Ind., assignor to Ransom & Randolph Co., Toledo, Ohio. Bur-block. No. 1,220,256; Mar. 27; v. 236; p. 928.
- Miller, Garrett E., West Nyack, and J. A. Barnes, West New Brighton, assignors to Locomotive Superheater Company, New York, N. Y. Superheater. No. 1,231,928; July 3; v. 240; p. 131.
- Miller, George. (See Rumens, George J., assignor.)
- Miller, George A., Columbia Heights, Minn. Cream-box. No. 1,237,363; Aug. 21; v. 241; p. 660.
- Miller, George E., and E. B. Cantrell, San Francisco, Cal. Rotary-joint oil-retainer. No. 1,212,089; Jan. 9; v. 234; p. 621.
- Miller, George E., Oakland, and E. B. Cantrell, San Francisco, Cal. Screw-jack. No. 1,228,943; June 5; v. 239; p. 192.
- Miller, George J., Winnebago, Minn. Self-centering punch. No. 1,225,265; May 8; v. 238; p. 450.
- Miller, George L., Pittsburgh, Pa. Tree-cover. No. 1,233,099; July 10; v. 240; p. 548.
- Miller, George M. (See Hoover and Miller.)
- Miller, George T., Williams, Cal. Nut and bolt lock. No. 1,226,354; May 15; v. 238; p. 866.
- Miller, George W. (See McGilvrey, John W. A., assignor.)
- Miller, George W., Midland, Tex. Photographic view finder. No. 1,219,129; Mar. 13; v. 236; p. 470.
- Miller, Gordon. (See Del Fungo Giera, Philip L. E., assignor.)
- Miller, Gustave L., Geneseo, Ill. Corn-husker. No. 1,250,613; Dec. 18; v. 245; p. 707.
- Miller, Guy H., Monticello, Me. Derrick. No. 1,215,959; Feb. 13; v. 235; p. 557.
- Miller, H. E., et al. (See Botz, Konrad, assignor.)
- Miller, Hans A., Selby, Cal. Automatically-directed headlight. No. 1,234,484; July 24; v. 240; p. 1070.
- Miller, Harry, et al. (See Clinton, Michael, assignor.)
- Miller, Harry, Kansas City, Kans. Wire-fence stay. No. 1,237,671; Aug. 21; v. 241; p. 760.
- Miller, Harry A., Los Angeles, and C. J. Cadwell, Santa Barbara, Cal., assignors, by mesne assignments, to Master Carburetor Corporation, Detroit, Mich. Carburetor. No. 1,213,807; Jan. 23; v. 234; p. 1285.

- Miller, Harry A., and F. M. Adamson, assignors to Master Carburetor Company, Los Angeles, Cal. Carburetor. No. 1,227,817; May 29; v. 238; p. 1422.
- Miller, Harry A., and F. M. Adamson, Los Angeles, Cal., assignors, by mesne assignments, to Master Carburetor Corporation, Detroit, Mich. Carburetor. No. 1,231,773; July 3; v. 240; p. 79.
- Miller, Harry A., and F. M. Adamson, Los Angeles, Cal., assignors, by mesne assignments, to Master Carburetor Corporation, Detroit, Mich. Carburetor. No. 1,236,096; Aug. 7; v. 241; p. 183.
- Miller, Harry L., Pittsburgh, Pa. Signal for moving-picture reels. No. 1,214,208; Jan. 30; v. 234; p. 1451.
- Miller, Harry R. (See Marr and Miller.)
- Miller, Henry, Cicero, Ill. Flying-machine. No. 1,237,364; Aug. 21; v. 241; p. 661.
- Miller, Henry, Bristol, Pa. Brake-beam hanger. No. 1,239,206; Sept. 4; v. 242; p. 155.
- Miller, Henry, Newark, and F. Mueller, Irvington, assignors of one-third to R. C. Hunter, Newark, N. J. Lamp. No. 1,241,874; Oct. 2; v. 243; p. 130.
- Miller, Henry C., Waterford, N. Y. Seam-dampening machine. No. 1,228,689; June 5; v. 239; p. 107.
- Miller, Henry C., Waterford, N. Y., assignor to Victor Talking Machine Company, Camden, N. J. Automatic stopping device for sound-reproducing machines. (Reissue.) No. 14,257; Feb. 6; v. 235; p. 296.
- Miller, Henry C., Waterford, N. Y., assignor to Victor Talking Machine Company, Camden, N. J. Tone-arm mounting for sound-reproducing machines. (Reissue.) No. 14,305; May 22; v. 238; p. 1306.
- Miller, Henry C., Milwaukee, Wis. Loose-leaf binder. No. 1,236,466; Aug. 14; v. 241; p. 332.
- Miller, Henry C., Milwaukee, Wis. Loose-leaf binder. No. 1,240,356; Sept. 18; v. 242; p. 584.
- Miller, Henry C., Milwaukee, Wis. Loose-leaf binder. No. 1,242,018; Oct. 2; v. 243; p. 175.
- Miller, Henry C., Milwaukee, Wis. Flexible binder-post for loose-leaf books. No. 1,247,438; Nov. 20; v. 244; p. 745.
- Miller, Henry C., Milwaukee, Wis. Loose-leaf binder. No. 1,247,704; Nov. 27; v. 244; p. 855.
- Miller, Henry C., Waterford, N. Y., assignor to Victor Talking Machine Company, Camden, N. J. Cabinet talking-machine. No. 1,234,555; July 24; v. 240; p. 1092.
- Miller, Henry E., Moro, Ark. Permutation hasp-lock. No. 1,222,280; Apr. 10; v. 237; p. 462.
- Miller, Henry L., and N. P. Nielsen, Port Aransas, Tex. Valve. No. 1,229,772; June 12; v. 239; p. 520.
- Miller, Henry M., and H. H. Niemann, Fairfield, Iowa. Trousers stretcher and press combined. No. 1,251,402; Dec. 25; v. 245; p. 989.
- Miller, Herbert R., Fort Wayne, Ind. Garbage-receptacle. No. 1,245,256; Nov. 6; v. 244; p. 34.
- Miller, Herman F., Rushville, Nebr. Cover for coal-hods or similar devices. No. 1,225,989; May 15; v. 238; p. 739.
- Miller, Herman F., Rushville, Nebr. Valve for pneumatic tires. No. 1,226,563; May 15; v. 238; p. 931.
- Miller, Herman P., assignor of fifty-five one-hundredths to W. H. Logan, Fort Worth, Tex. Antikicking device for automobiles. No. 1,219,759; Mar. 20; v. 236; p. 717.
- Miller, Homer E., Columbus, Ga., assignor of one-half to W. E. Knowles and one-half to E. E. Yonge. Automobile-switch control. No. 1,241,752; Oct. 2; v. 243; p. 91.
- Miller, Hoyt, New York, N. Y., assignor to Brewster Film Corporation, Newark, N. J. Coloring or dyeing photographic images. No. 1,214,940; Feb. 6; v. 235; p. 160.
- Miller, Hugh W., Princeton, Ind. Shears. No. 1,243,540; Oct. 16; v. 243; p. 725.
- Miller, Isaac L., New York, N. Y. Cover for laundry-tubs. No. 1,238,319; Aug. 28; v. 241; p. 1001.
- Miller, Isidore L., Manhattan, N. Y. Needle-guard for machines for sewing, embroidering, &c. No. 1,234,556; July 24; v. 240; p. 1094.
- Miller, Jacob E., Coon Rapids, Iowa. Poultry-nest. No. 1,222,650; Apr. 17; v. 237; p. 651.
- Miller, Jacob H., Cresson, Pa. Rail-tie and fastener. No. 1,220,443; Mar. 27; v. 236; p. 996.
- Miller, Jacob M., Millersburg, Ohio. Draft appliance. No. 1,224,772; May 1; v. 238; p. 233.
- Miller, James A. (See Saxton, Stephen F., assignor.)
- Miller, James B., assignor, by mesne assignments, to The Fi-Bo-Pak Company, Rochester, N. Y. Receptacle and handle therefor. No. 1,236,589; Aug. 14; v. 241; p. 372.
- Miller, James B., assignor, by mesne assignments, to The Fi-Bo-Pak Company, Rochester, N. Y. Basket and handle therefor. No. 1,241,542; Oct. 2; v. 243; p. 22.
- Miller, James G., Princeton, W. Va. Mail-bag catcher. No. 1,217,806; Feb. 27; v. 235; p. 1296.
- Miller, James H., Arkansas City, Kans. Automatic tank-closing device for oil-burning locomotives. No. 1,233,898; July 17; v. 240; p. 844.
- Miller, Jennie I. (See Sparks, Lester H., assignor.)
- Miller, John, Seattle, assignor of one-fourth to N. Krantz and one-fourth to H. Krantz, King county, Wash. Manufacturing fuel. No. 1,241,648; Oct. 2; v. 243; p. 58.
- Miller, John, Sr., assignor to United Utilities Company, Boston, Mass. Plumber's trap. No. 1,211,210; Jan. 2; v. 234; p. 286.
- Miller, John A., Bellingham, Wash. Fish-trap. No. 1,246,637; Nov. 13; v. 244; p. 478.
- Miller, John C., Canton, Ohio. Bottle washing and sterilizing machine. No. 1,234,373; July 24; v. 240; p. 1035.
- Miller, John C., assignor to The Miller Pasteurizing Machine Company, Canton, Ohio. Apparatus for filling and capping bottles. No. 1,225,349; May 8; v. 238; p. 482.
- Miller, John C., Covington, Ky., assignor, by mesne assignments, to The Cincinnati Can Company, Cincinnati, Ohio. Ice-cream freezer. No. 1,228,804; June 5; v. 239; p. 147.
- Miller, John G., Reading, Pa. Fishing-reel. No. 1,222,651; Apr. 17; v. 237; p. 652.
- Miller, John M., Oklahoma, Okla. Paper-file. No. 1,249,164; Dec. 4; v. 245; p. 212.
- Miller, John M., Dunbar, Pa. Car-brake. No. 1,249,986; Dec. 11; v. 245; p. 481.
- Miller, John M., assignor of one-half to O. S. Harper, Eagle Pass, Tex. Rod-lifting tool. No. 1,223,714; Apr. 24; v. 237; p. 1051.
- Miller, John P., *et al.* (See De Camp, James W., assignor.)
- Miller, John P. (See Miller, Norman and J. P.)
- Miller, John S., Truro, Nova Scotia, Canada. Fence-post. No. 1,235,830; Aug. 7; v. 241; p. 98.
- Miller, John W., Cleveland, Ohio. Charge-forming device for internal-combustion engines. No. 1,237,539; Aug. 21; v. 241; p. 717.
- Miller, John Z., assignor of one-half to G. G. Golling, Hagerstown, Md. Furnace. No. 1,223,715; Apr. 24; v. 237; p. 1052.
- Miller, Joseph, Hartford, Wis. Motor-driven sleigh. No. 1,242,963; Oct. 16; v. 243; p. 550.
- Miller, Joseph H., Sterlington, N. Y. Rail-fastening. No. 1,216,344; Feb. 20; v. 235; p. 744.
- Miller, Joseph J., assignor, by mesne assignments, to Macbeth-Evans Glass Company, Pittsburgh, Pa. Opaque semitranslucent glass. No. 1,245,487; Nov. 6; v. 244; p. 103.
- Miller, Joseph L., Jersey Mills, Pa. Metallic tie. No. 1,213,122; Jan. 16; v. 234; p. 1015.
- Miller, Josephine, Ambridge, Pa. Rail-joint. No. 1,248,523; Dec. 4; v. 245; p. 27.
- Miller, Julius J., St. Joseph, Mich., assignor, by mesne assignments, to Wirebounds Patents Company, Kittery, Me. Wire-bound-box-blank machine. No. 1,214,702; Feb. 6; v. 235; p. 78.
- Miller, Julius J., St. Joseph, Mich., assignor, by mesne assignments, to Wirebounds Patents Company, Kittery, Me. Wire-bound-box-blank machine. No. 1,248,418; Nov. 27; v. 244; p. 1057.
- Miller, Lee, Chicago, Ill. Producing motion-picture films. No. 1,232,359; July 3; v. 240; p. 275.
- Miller, Leonard, Prestwich, and L. Boothman, Stretford, England, assignors to Westinghouse Electric and Manufacturing Company. Electric regulating-switch. No. 1,231,632; July 3; v. 240; p. 31.
- Miller, Leonard W., Fort Jones, Cal. Farm-gate. No. 1,228,343; May 29; v. 238; p. 1597.
- Miller, Letitia J., Brunswick, Ga. Combination cooking utensil. No. 1,232,360; July 3; v. 240; p. 275.
- Miller, Lewis, Oakdale, assignor of one-half to W. J. Griffith, Oliver Springs, Tenn. Shipping-crate. No. 1,229,118; June 5; v. 239; p. 249.
- Miller, Lewis P., Clinton, Minn. Attachment for motor-vehicles. No. 1,238,173; Aug. 28; v. 241; p. 953.
- Miller, Linwood L. (See Smith and Miller.)
- Miller Lock Co. (See Smith, Robert R., assignor.)
- Miller Lock Co. (See Soley and Stackhouse, assignors.)
- Miller, Louis, Brooklyn, N. Y. Torpedo-guard for ships. No. 1,247,439; Nov. 20; v. 244; p. 745.
- Miller, Louis W., Rochester, assignor to National Police Signal Company, Buffalo, N. Y. Police signaling system. No. 1,218,682; Mar. 13; v. 236; p. 312.
- Miller, M. W. (See Tyson, Frank, assignor.)
- Miller, Marion R., Canyon, Tex. Farming implement. No. 1,221,351; Apr. 3; v. 237; p. 123.
- Miller, Martin H. (See Sailer, Miller, and Stough.)
- Miller, Martin J., Aurora, Ill., and H. M. Neer, Columbus, Ohio. Reciprocating engine. No. 1,245,257; Nov. 6; v. 244; p. 34.
- Miller, Max A., Maywood, Ill. Signal apparatus for motor-vehicles. No. 1,210,966; Jan. 2; v. 234; p. 203.
- Miller, Max C., Providence, assignor to Jenckes Knitting Machine Company, Pawtucket, R. I. Circular-knitting machine. No. 1,239,713; Sept. 11; v. 242; p. 347.
- Miller, Max C., Cumberland Hill, assignor to Jenckes Knitting Machine Company, Pawtucket, R. I. Knitting-machine. No. 1,245,007; Oct. 30; v. 243; p. 1243.
- Miller, Max D., Schenectady, N. Y. Signaling device. No. 1,249,451; Dec. 11; v. 245; p. 326.
- Miller, Merwin B., Willard, Utah. Pruning implement. No. 1,224,194; May 1; v. 238; p. 28.
- Miller, Michael H., Livermore, Iowa. Corn-husking machine. No. 1,251,403; Dec. 25; v. 245; p. 989.
- Miller, Milton P., Watervliet, N. Y. Scale-rule. No. 1,219,836; Mar. 20; v. 236; p. 744.
- Miller, Norman and J. P., Durant, Okla. Animal-poke. No. 1,247,562; Nov. 20; v. 244; p. 779.
- Miller, Norman B., West Collingswood, N. J. Packing. No. 1,211,476; Jan. 9; v. 234; p. 410.
- Miller, Orion S. (See Allen and Christen, assignors.)

- Miller, Oscar C., assignor of one-half to C. M. Gidley, Philadelphia, Pa. Spark-plug. No. 1,225,467; May 8; v. 238; p. 521.
- Miller, Otto, Crab Orchard, Ill. Adjustable bearing for mowing-machine pitmen. No. 1,213,773; Jan. 23; v. 234; p. 1272.
- Miller, Otto, Dalton, Minn. Car-axle lubricator. No. 1,230,821; June 19; v. 239; p. 903.
- Miller Pasteurizing Machine Company, The. (See Miller, John C., assignor.)
- Miller, Paul, Bridgeport, Ohio. Headlight-dimmer. No. 1,246,137; Nov. 13; v. 244; p. 327.
- Miller, Peter E., Mineral City, B. H. Sickafoose, and E. J. Smith, Canton, Ohio. Nut-lock. No. 1,235,831; Aug. 7; v. 241; p. 99.
- Miller, Peter J. N. (See Wingle, Ernest C., assignor.)
- Miller, Reginald R. (See Kuhn and Miller.)
- Miller, Reginald R., assignor to Bates Valve Bag Company, Chicago, Ill. Machine for wire-tying bags. No. 1,222,014; Apr. 10; v. 237; p. 385.
- Miller, Richard R., Chicago, Ill. Supporting device for drawing-boards and the like. No. 1,249,165; Dec. 4; v. 245; p. 212.
- Miller, Robert, New York, N. Y. Electric ignition of explosives. No. 1,235,993; Aug. 7; v. 241; p. 151.
- Miller, Robert, New York, N. Y. Puppet-valve. No. 1,242,576; Oct. 9; v. 243; p. 393.
- Miller, Robert J., Glassville, New Brunswick, Canada. Basin-plug. No. 1,245,943; Nov. 6; v. 244; p. 241.
- Miller, Robert W., Woodlawn, Pa. Oil-cloth-vending apparatus. No. 1,214,209; Jan. 30; v. 234; p. 1451.
- Miller, Roman J., and J. Bell, Bremerton, Wash. Direction-indicator for automobiles. No. 1,224,657; May 1; v. 238; p. 193.
- Miller, Royal R., assignor to A. Karpen, Chicago, Ill. Davenport-divan. No. 1,250,614; Dec. 18; v. 245; p. 707.
- Miller Rubber Co., The. (See Brucker, Ferdinand F., assignor.)
- Miller Rubber Company, The. (See Belden, Russell D., assignor.)
- Miller Rubber Company, The. (See Brubaker, William A., assignor.)
- Miller Rubber Company, The. (See Brundage, James W., assignor.)
- Miller Rubber Company, The. (See Campbell, William S., assignor.)
- Miller Rubber Company, The. (See Denman, Walter R., assignor.)
- Miller Rubber Company, The. (See Griffith, Richard, assignor.)
- Miller Rubber Company, The. (See Griffith, Richard T., assignor.)
- Miller, Stanley G., assignor to The General Machinery & Investment Company, St. Paul, Minn. Caterpillar-tractor track. No. 1,249,166; Dec. 4; v. 245; p. 213.
- Miller, Stephen E., North Attleboro, Mass. Box-fastener. No. 1,210,967; Jan. 2; v. 234; p. 204.
- Miller, Theodore B., Richmond, Ind. Roller window-screen. No. 1,230,918; June 26; v. 239; p. 973.
- Miller, Theodore T., West Suffield, Conn. Resilient tire. No. 1,243,328; Oct. 16; v. 243; p. 663.
- Miller, Thomas B., assignor to Wireless Instrument Company, Seattle, Wash. Transmitting apparatus for wireless-telegraph stations. No. 1,217,483; Feb. 27; v. 235; p. 1182.
- Miller, Thomas D., Catonsville, Md. Shingle. No. 1,226,564; May 15; v. 238; p. 932.
- Miller, Thomas F., assignor of one-half to W. J. Hamilton, St. John, New Brunswick, Canada. Wire-working machine. No. 1,235,832; Aug. 7; v. 241; p. 99.
- Miller, Thomas S., Ottumwa, Iowa. Explosive device. No. 1,236,736; Aug. 14; v. 241; p. 423.
- Miller, Thomas S., South Orange, N. J., and L. G. Ruggles, New York, N. Y.; said Ruggles assignor of his one-half to Lidgetwood Manufacturing Company. Load-transfer apparatus. No. 1,228,344; May 29; v. 238; p. 1597.
- Miller, Thomas S., South Orange, N. J. Excavating-bucket. No. 1,244,117; Oct. 23; v. 243; p. 936.
- Miller, Thomas S., South Orange, N. J. Excavating apparatus. No. 1,247,309; Nov. 20; v. 244; p. 708.
- Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Toy balloon. No. 1,211,369; Jan. 2; v. 234; p. 338.
- Miller, Thomas W., assignor to The Faultless Rubber Co., Ashland, Ohio. Bathing-cap. No. 1,215,311; Feb. 6; v. 235; p. 288.
- Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Toy balloon. No. 1,220,874; Mar. 27; v. 236; p. 1143.
- Miller, Tony A., Morgantown, W. Va. Window-glass-blowing apparatus. No. 1,214,349; Jan. 30; v. 234; p. 1502.
- Miller Train Control Corporation, The. (See Murray, William B., assignor.)
- Miller Transmission Company. (See Miller, Dorr, assignor.)
- Miller, Valentine W., Fonda, Iowa. Aerial mail-carrier. No. 1,242,835; Oct. 9; v. 243; p. 475.
- Miller Vehicle Heater Company. (See Miller, William H., assignor.)
- Miller, Vena A., Bloomdale, Ohio. Rail-anchor. No. 1,213,128; Jan. 16; v. 234; p. 1016.
- Miller, Victor H., Cleveland, Ohio. Display-rack. No. 1,235,225; July 31; v. 240; p. 1332.
- Miller, W. K. (See Williams, Charles F., assignor.)
- Miller, Walter A., East Milwaukee, Wis. Automobile transmission. No. 1,239,505; Sept. 11; v. 242; p. 278.
- Miller, Walter H., Orange, N. J. Stop mechanism. No. 1,241,416; Sept. 25; v. 242; p. 947.
- Miller, Walter R., Bellville, Ohio. Riveting-tool. No. 1,216,717; Feb. 20; v. 235; p. 875.
- Miller, Ward B., Lakewood, Ohio. Mechanical movement and apparatus embodying the same. No. 1,246,977; Nov. 20; v. 244; p. 613.
- Miller, Wilbur, Los Angeles, Cal. Tire-valve cap. No. 1,223,716; Apr. 24; v. 237; p. 1052.
- Miller, Wilbur G., Grand Forks, N. D. Lifting-jack for automobiles or other vehicles. No. 1,227,480; May 22; v. 238; p. 1277.
- Miller, Wilbur G., Syracuse, and J. W. Vanderveer, Liverpool, N. Y. Display attachment for radiator-nozzles. No. 1,246,978; Nov. 20; v. 244; p. 614.
- Miller, William, Newport, Ky., assignor to The P. Goldsmith's Sons Company, Cincinnati, Ohio. Inflated game-ball. No. 1,240,866; Sept. 25; v. 242; p. 775.
- Miller, William A., Los Angeles, Cal. Indicator for vehicles. No. 1,239,934; Sept. 11; v. 242; p. 417.
- Miller, William A., Blount county, Ala. Insect-catcher. No. 1,245,258; Nov. 6; v. 244; p. 35.
- Miller, William B., Pittsburgh, Pa. Machine for forming heels and toes of horseshoes. No. 1,222,574; Apr. 10; v. 237; p. 584.
- Miller, William G., Kansas City, Mo. Pressure-regulator. No. 1,222,652; Apr. 17; v. 237; p. 652.
- Miller, William G., Kansas City, Mo. Pressure-regulator. No. 1,222,653; Apr. 17; v. 237; p. 652.
- Miller, William G., Toronto, Ontario, Canada, assignor of one-third to M. J. McLeod and one-third to W. J. Houston, Detroit, Mich. Automatic closing means for roller fire-shutters. No. 1,238,041; Aug. 21; v. 241; p. 876.
- Miller, William H., Fairbank, Iowa. Means for fastening springs to vehicles. No. 1,219,981; Mar. 20; v. 236; p. 795.
- Miller, William H., Sunbury, Pa. Automobile-signal. No. 1,234,787; July 31; v. 240; p. 1198.
- Miller, William H., assignor to Miller Vehicle Heater Company, Crawfordsville, Ind. Vehicle heater. No. 1,217,110; Feb. 20; v. 235; p. 1008.
- Miller, William H., Fort Wayne, Ind., assignor to General Electric Company. Making composite bimetallic articles. No. 1,250,612; Dec. 18; v. 245; p. 707.
- Miller, William J., *et al.* (See Lloyd, Thomas R., assignor.)
- Miller, William J. (See Unmissig and Miller.)
- Miller, William J., Los Angeles, Cal. Brake. No. 1,229,119; June 5; v. 239; p. 250.
- Miller, William M., Azusa, Cal. Condiment-holder. No. 1,217,045; Feb. 20; v. 235; p. 986.
- Miller, William P. (See Gunther and Miller.)
- Miller, William R. (See Barr and Miller.)
- Miller, William S., Washington, D. C. Mechanical movement. No. 1,221,471; Apr. 3; v. 237; p. 165.
- Miller, William S., assignor to Utility Shock Absorber Company, Philadelphia, Pa. Spring controller or governor. No. 1,228,944; June 5; v. 239; p. 192.
- Miller, William T., Spruce Pine, N. C. Washer-cutting bit and die. No. 1,236,338; Aug. 7; v. 241; p. 258.
- Miller, Willis I., Cleveland, Ohio. Telephone-bracket. No. 1,237,672; Aug. 21; v. 241; p. 760.
- Millers Falls Company. (See Parsons, William J., assignor.)
- Millett, James J. (See Hill and Millett.)
- Millville, William H., Chicago, Ill. Mail appliance. No. 1,245,259; Nov. 6; v. 244; p. 35.
- Millhouse, Richard D., Stanford, Mont. Draft-tongue. No. 1,234,374; July 24; v. 240; p. 1035.
- Millican, Carl F., and J. H. Wiest, Indianapolis, Ind. Interconvertible harvester mower, or tractor. No. 1,251,265; Dec. 25; v. 245; p. 948.
- Milligan, Henry C., Canton, Ohio. Cooking vessel. No. 1,225,047; May 8; v. 238; p. 378.
- Milligan, Henry C., Canton, Ohio. Bed-pan. No. 1,237,673; Aug. 21; v. 241; p. 761.
- Milligan, Oliver T., Pittsburgh, Pa. Oil-well-capping device. No. 1,249,167; Dec. 4; v. 245; p. 213.
- Milligan, Williams G., Bartlesville, Okla. Lighting and signaling system for vehicles. No. 1,218,292; Mar. 6; v. 236; p. 142.
- Milligan, Williams G., Akron, Ohio. Carbureter. No. 1,246,820; Nov. 13; v. 244; p. 531.
- Milliken, Foster, Lawrence, N. Y. Gate-valve. No. 1,212,090; Jan. 9; v. 234; p. 621.
- Milliken, Foster, Lawrence, N. Y. Combined Y-valve and hose connection. No. 1,230,007; June 12; v. 239; p. 595.
- Milliken, Isaac H., Aspinwall, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car-coupling. No. 1,213,394; Jan. 23; v. 234; p. 1143.
- Milliken, Isaac H., Aspinwall, assignor to The McConway & Torley Company, Pittsburgh, Pa. Draft appliance for railway-vehicles. No. 1,213,395; Jan. 23; v. 234; p. 1144.
- Milliken, Isaac H., Aspinwall, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car-coupling. No. 1,213,396; Jan. 23; v. 234; p. 1144.

- Milliken, Isaac H., Aspinwall, assignor to The McConway & Torley Company, Pittsburgh, Pa. Coupling-centering mechanism. No. 1,214,350; Jan. 30; v. 234; p. 1502.
- Milliken, Isaac H., Aspinwall, assignor to The McConway & Torley Company, Pittsburgh, Pa. Coupling-centering mechanism. No. 1,214,351; Jan. 30; v. 234; p. 1503.
- Milliken, Isaac H., Aspinwall, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car-coupling. No. 1,227,170; May 22; v. 238; p. 1178.
- Milliken, Isaac H., Aspinwall, assignor to The McConway & Torley Company, Pittsburgh, Pa. Coupling release rigging. No. 1,236,861; Aug. 14; v. 241; p. 462.
- Milliken, John A., Bayonne, N. J. Chuck. No. 1,243,090; Oct. 16; v. 243; p. 592.
- Milliken, John T. (See Smith, Arthur D., assignor.)
- Milliken, John T. (See Snelling, Walter O., assignor.)
- Milliken, Lloyd A., Lansing, Mich. Detachable agitator for washing-machines. No. 1,216,477; Feb. 20; v. 235; p. 792.
- Milliken, Peter, Perris, Cal. Compass. No. 1,248,148; Nov. 27; v. 244; p. 981.
- Million, Robert J., Monticello, Ind. Tractor. No. 1,230,752; June 19; v. 239; p. 880.
- Million, Robert J., Monticello, Ind. Reversing-clutch. No. 1,248,370; Nov. 27; v. 244; p. 1044.
- Milliorn, William L., El Paso, Tex. Tool. No. 1,231,407; June 26; v. 239; p. 1140.
- Milliron, Ira A., New York, assignor to Hammock Egg Carrier Company, Buffalo, N. Y. Packing articles. No. 1,220,670; Mar. 27; v. 236; p. 1074.
- Millis, Linn W., Kansas City, Mo. Heating system. No. 1,245,488; Nov. 6; v. 244; p. 103.
- Mills, Albert J. (See Willard, Daniel M., assignor.)
- Mills, Bertie E., assignor to Mills Novelty Company, Chicago, Ill. Weighing-scale. No. 1,214,056; Jan. 30; v. 234; p. 1401.
- Mills, Brighton. (See Calkins, Almon B., assignor.)
- Mills, Chester B., East McKeesport, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting device for automobiles. No. 1,215,568; Feb. 13; v. 235; p. 416.
- Mills, Chester B., East McKeesport, Pa., assignor to Westinghouse Electric and Manufacturing Company. Bed-plate. No. 1,227,292; May 22; v. 238; p. 1217.
- Mills, Chester B., East McKeesport, Pa., assignor to Westinghouse Electric and Manufacturing Company. Brake. No. 1,231,633; July 3; v. 240; p. 31.
- Mills, Chester B., East McKeesport, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting mechanism for motor-vehicles. No. 1,248,524; Dec. 4; v. 245; p. 28.
- Mills, Edward L., Los Angeles, Cal. Underreamer. No. 1,221,352; Apr. 3; v. 237; p. 123.
- Mills, Edward L., Los Angeles, Cal. Underreamer. No. 1,221,353; Apr. 3; v. 237; p. 123.
- Mills, Francis E., Boston, Mass. Pressure-transmitting controller. No. 1,246,298; Nov. 13; v. 244; p. 375.
- Mills, Frank W., Little Falls, N. Y. Incubator. No. 1,218,293; Mar. 6; v. 236; p. 142.
- Mills, Harry P., Philadelphia, Pa. Transposing musical chart. No. 1,236,339; Aug. 7; v. 241; p. 258.
- Mills, Henry D., Inwood, N. Y. Window-screen. No. 1,221,564; Apr. 3; v. 237; p. 198.
- Mills, Herbert S. (See Sandell, Henry K., assignor.)
- Mills, Howard S., Astoria, N. Y. Storage-battery plate. No. 1,214,210; Jan. 30; v. 234; p. 1452.
- Mills, John, Wyoming, N. J., and R. S. Hoyt, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Method of and means for correcting loading-section irregularities in transmission-lines. No. 1,219,760; Mar. 20; v. 236; p. 717.
- Mills, John B., Fort Wayne, Ind. Holder for use in scaling fish. No. 1,228,366; May 29; v. 238; p. 1604.
- Mills, John H. (See Blundell, Mills, and Maguire.)
- Milnes, John H., Huddersfield, England. Machine or apparatus for dyeing, washing, and the like. No. 1,230,198; June 19; v. 239; p. 697.
- Mills, John M., Jr., Tiskilwa, Ill. Convertible ladder. No. 1,250,615; Dec. 18; v. 245; p. 708.
- Mills, Louis D., San Francisco, Cal., assignor to Merrill Metallurgical Company. Filter-press and method of preventing the oxidation of the filtrate in the containers thereof. No. 1,236,737; Aug. 14; v. 241; p. 423.
- Mills, N. E. (See Longley, Ira G., assignor.)
- Mills Novelty Company. (See Mills, Bertie E., assignor.)
- Mills, Robert, assignor of one-half to C. Logston, Pueblo, Colo. Shovel attachment. No. 1,232,361; July 3; v. 240; p. 275.
- Mills, Robert D. (See Murphy, Quillain R., assignor.)
- Mills, Thomas, Middleton Junction, England. Guard for the scrolls of spinning-mules. No. 1,232,953; July 10; v. 240; p. 502.
- Mills, Wilbur H. (See Crane and Mills.)
- Mills, Wiley W., Chicago, Ill. Hand-bag or container for bathing-suits. No. 1,251,404; Dec. 25; v. 245; p. 990.
- Mills, William, Birmingham, England. Grenade and the like. No. 1,223,598; Apr. 24; v. 237; p. 1009.
- Mills, William, Birmingham, England. Grenade and the like. No. 1,223,599; Apr. 24; v. 237; p. 1010.
- Mills, William, Birmingham, England. Grenade and the like. No. 1,223,600; Apr. 24; v. 237; p. 1010.
- Mills, William, Birmingham, England. Grenade. No. 1,232,590; July 10; v. 240; p. 382.
- Mills, William, Birmingham, England. Folding seat-stick. No. 1,241,753; Oct. 2; v. 243; p. 91.
- Mills, William, Birmingham, and W. Morgan, Bristol, England. Hand-grenade, incendiary and other bomb, and the like. No. 1,213,397; Jan. 23; v. 234; p. 1144.
- Mills, William P., assignor to Gimson & Co. (Leicester) Limited, Leicester, England. Heel-compressing machine. No. 1,246,299; Nov. 13; v. 244; p. 376.
- Mills, William P., and C. M. Bagshaw, assignors to Gimson & Co. (Leicester) Limited, Leicester, England. Pulling-over machine. No. 1,246,300; Nov. 13; v. 244; p. 376.
- Millsap, John W. (See Tyner and Millsap.)
- Millsaps, Daniel W., Albemarle, N. C. Shingle. No. 1,226,355; May 15; v. 238; p. 866.
- Millsbaugh, William H., assignor to Sandusky Foundry and Machine Company, Sandusky, Ohio. Centrifugal casting-machine. No. 1,235,994; Aug. 7; v. 241; p. 152.
- Millward, John R., Newark, N. J. Advertising device. No. 1,217,979; Mar. 6; v. 236; p. 32.
- Milmoe, Michael J., assignor to F. B. Redington Company, Chicago, Ill. Carton-opening device. No. 1,218,683; Mar. 13; v. 236; p. 312.
- Milmoe, Michael J., assignor to W. C. Ritchie & Company, Chicago, Ill. Box-cover-shell-making machine. No. 1,244,066; Oct. 23; v. 243; p. 921.
- Milne, George G., Rye, and W. F. Richards, Buffalo, N. Y., assignors to Gould Coupler Company. Driving connection. No. 1,242,577; Oct. 9; v. 243; p. 394.
- Milne, William J. (See McDonald and Milne.)
- Milner, Bert B., New York, N. Y. Train-resistance-computing means. No. 1,210,515; Jan. 2; v. 234; p. 47.
- Milner, John A., White Bear, Minn. Car-door lock. No. 1,249,168; Dec. 4; v. 245; p. 213.
- Milner, Nugent, Watertown, N. Y. Trailing vehicle. No. 1,234,788; July 31; v. 240; p. 1198.
- Milon, Frank J., et al. (See Eckenroth, Philip, assignor.)
- Milonczyk, Ignatz, Milwaukee, Wis. Portable carousel. No. 1,213,931; Jan. 30; v. 234; p. 1357.
- Milos, Fred, Chicago, Ill. Collar-button. No. 1,229,773; June 12; v. 239; p. 520.
- Milton, John L., Tiffin, Ohio, assignor to Motor Ignition & Devices Company. Magneto ignition system for internal-combustion engines. No. 1,217,484; Feb. 27; v. 235; p. 1183.
- Milton, John L., Cleveland, Ohio, assignor to Motor Ignition & Devices Company. Timer for ignition apparatus. No. 1,286,590; Aug. 14; v. 241; p. 372.
- Milton Schnaier Contracting Corp. (See Schnaier, Milton, assignor.)
- Milwaukee Auto Engine & Supply Company. (See Lederer, Friedrich, assignor.)
- Milwaukee Brewers Specialty Company. (See Beutlich and Sochurek, Jr., assignors.)
- Milwaukee Corrugating Company. (See Kuehn, Louis, assignor.)
- Milwaukee Lace Paper Co. (See Harvey, Harold C., assignor.)
- Milwaukee Locomotive Manufacturing Company. (See Goodspeed, Leland F., assignor.)
- Milwaukee Locomotive Manufacturing Company. (See Sheldon, Frank D., assignor.)
- Milzner, Richard W. (See Hamilton, Hugh R., assignor.)
- Mincher, John T. (See Adams and Mincher.)
- Miner, Claude G., Berkeley, Cal. Electric furnace. No. 1,232,362; July 3; v. 240; p. 275.
- Miner, Frank J., Detroit, Mich. Tractor. No. 1,231,408; June 26; v. 239; p. 1140.
- Miner, Frank J., Detroit, Mich. Bearing-wheel. No. 1,239,288; Sept. 4; v. 242; p. 183.
- Miner, James H., Lumberton, Miss. Wheel-flange lubricator. No. 1,213,676; Jan. 23; v. 234; p. 1241.
- Miner, James H., Lumberton, Miss. Gas-saver attachment for motor-vehicles. No. 1,224,774; May 1; v. 238; p. 234.
- Miner, William H. (See Dath, Charles E., assignor.)
- Miner, William H. (See Dwyer, William M., assignor.)
- Miner, William H. (See Fordice, Ray E., assignor.)
- Miner, William H. (See Geiger, William A., assignor.)
- Miner, William H. (See Harris, Joseph, assignor.)
- Miner, William H. (See Haseltine, Stacy B., assignor.)
- Miner, William H. (See Johnson, Bradley S., assignor.)
- Miner, William H. (See Johnson, George A., assignor.)
- Miner, William H. (See Lewis, Goodrich Q., assignor.)
- Miner, William H. (See Lounsbury, Harvey J., assignor.)
- Miner, William H. (See Mitchell, John R., assignor.)
- Miner, William H. (See O'Connor, John F., assignor.)
- Miner, William H. (See Patch, Calvin B., assignor.)
- Miner, William H. (See Schulz, Ernest R., assignor.)
- Miner, William H. (See Townsend, Frederick B., assignor.)
- Miner, William H., Chazy, N. Y. Draft-rigging for railway-cars. No. 1,222,118; Apr. 10; v. 237; p. 421.
- Miner, William H., Chazy, N. Y. Draw-bar-centering device. No. 1,225,154; May 8; v. 238; p. 414.
- Miner, William H., Chazy, N. Y. Draw-bar and yoke connection. No. 1,228,345; May 29; v. 238; p. 1597.
- Miner, William H., Chazy, N. Y. Friction draft-gear for railway-car draft-rigging. No. 1,250,616; Dec. 18; v. 245; p. 708.
- Miner, William H., Chazy, N. Y. Friction draft-gear for railway-cars. No. 1,251,033; Dec. 25; v. 245; p. 896.
- Mineral Products Company, The. (See Hershman, Paul R., assignor.)

Alphabetical list of patentees—Continued.

- Mineral Products Corporation. (See Chappell, Howard F., assignor.)
- Minerallac Electric Company. (See Sines, Harold S., assignor.)
- Minerals Separation Limited. (See Higgins, Arthur H., assignor.)
- Minerals Separation North American Corporation. (See Chapman, George A., assignor.)
- Minerals Separation North American Corporation. (See Higgins, Arthur H., assignor.)
- Minerals Separation North American Corporation. (See Martin, Rutherford B., assignor.)
- Minet, Emil F., Allentown, Pa. Shuttle-pin. No. 1,248,694; Dec. 4; v. 245; p. 78.
- Minetti, Emile A., and B. B. Briggs, Rutherford, N. J. Adjustable ray control. No. 1,236,966; Aug. 14; v. 241; p. 496.
- Minge, Rosa S., *et al.* (See Curtis, Joseph T., assignor.)
- Mingle, William J., Lancaster, Pa., assignor, by mesne assignments, to Toledo Scale Company, Toledo, Ohio. Index-finger for price-scales. No. 1,237,365; Aug. 21; v. 241; p. 661.
- Mingus, Lessie, Coalinga, Cal. Dressmaker's hem-gage. No. 1,244,355; Oct. 23; v. 243; p. 1007.
- Minimax Company. (See Mikorey, Hans, assignor.)
- Minneapolis Bedding Company. (See Fredericks, William L., assignor.)
- Minneapolis Bedding Company. (See Walstrom, Charles W., assignor.)
- Minneapolis Heat Regulator Company. (See Denison, Frederick S., assignor.)
- Minneapolis Heat Regulator Company. (See Harlow, Lee H., assignor.)
- Minneapolis Iron Store Company. (See Ulven, Christian, assignor.)
- Minnelli, Frank P., Delaware, Ohio. Toilet-seat. No. 1,232,363; July 3; v. 240; p. 276.
- Minnemann, August, Delmenhorst, Germany. Machine for cutting disks of cork or similar material. No. 1,235,226; July 31; v. 240; p. 1333.
- Minnesota Farm Tractor Company. (See Ferriss, Edward, assignor.)
- Minnesota Manufacturers' Association. (See Breneman, Louis A., assignor.)
- Minnetonna Company. (See Nicoll and McLaughlin, assignors.)
- Minnich, Charles, J. J. Mathews, Greenville, and H. B. Mathews, Ansonia, Ohio. Belt. No. 1,225,843; May 15; v. 238; p. 689.
- Minnich, Edwin J., Salem, Oreg. Nail-extractor. No. 1,227,063; May 22; v. 238; p. 1140.
- Minnick, Alfred, Newark, N. J. Train-control system. No. 1,226,792; May 22; v. 238; p. 1048.
- Minnis, George F., Chicago, Ill. Expansion-bolt. No. 1,225,468; May 8; v. 238; p. 522.
- Minnis, George F., Chicago, Ill. Anchor for window-washer's belts. No. 1,250,202; Dec. 18; v. 245; p. 584.
- Minns, George L., Cleveland, Ohio. Repeater attachment for phonographs. No. 1,214,352; Jan. 30; v. 234; p. 1503.
- Minogue, Martin T., Philadelphia, Pa. Spark-plug. No. 1,229,193; June 5; v. 239; p. 275.
- Minogue, Martin T., Philadelphia, Pa. Spark-plug for explosive-engines. No. 1,239,121; Sept. 4; v. 242; p. 129.
- Minor, Walter S., Cunningham, Tenn. Stave-jointing machine. No. 1,229,307; June 12; v. 239; p. 864.
- Minor, William S., assignor of one-half to J. R. Walrath, Northville, N. Y. Door-latch. No. 1,210,826; Jan. 2; v. 234; p. 153.
- Minotti, Peter C. (See Dewees, Benjamin F., assignor.)
- Mintern, Richard A., Horsham, Victoria, Australia. Cultivating implement. No. 1,215,322; Feb. 6; v. 235; p. 292.
- Mintern, Richard A., Horsham, Victoria, Australia. Cultivating implement. No. 1,221,565; Apr. 3; v. 237; p. 198.
- Minton, Le Roy H. (See Brinkman, Sebastian G., assignor.)
- Minton, Le Roy H., Metuchen, N. J., assignor of one-half to A. W. Herbst, Philadelphia, Pa. Argillaceous composition and making the same. No. 1,228,465; June 5; v. 239; p. 31.
- Minton, S. W. (See Keegan and Wright, assignors.)
- Minton, Steven F., and R. E. McClellan, Giddings, Tex. Car-door. No. 1,251,405; Dec. 25; v. 245; p. 990.
- Mintz, Alex, New York, N. Y. Coffee-making apparatus. No. 1,218,294; Mar. 6; v. 236; p. 143.
- Mintz, Gabriel, Brooklyn, N. Y. Cutting-die. No. 1,239,289; Sept. 4; v. 242; p. 183.
- Mintz, Harry, Boston, Mass. Folding hammock-support. No. 1,223,717; Apr. 24; v. 237; p. 1052.
- Mintz, Harry, Dorchester, Mass. Hammock. No. 1,231,047; June 26; v. 239; p. 1020.
- Mioton, Sidney F., New Orleans, La. Fluid-measuring device. No. 1,236,967; Aug. 14; v. 241; p. 497.
- Mirandette, Hormidas S., Spencer, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Canvas laying and creasing machine for insoles. No. 1,236,467; Aug. 14; v. 241; p. 332.
- Mirau, Joseph M., Crosby, Minn. Vehicle-controlled door-operating mechanism. No. 1,216,345; Feb. 20; v. 235; p. 745.
- Mires, Benjamin A., Sidney, Ohio. Attachment for liquid-fuel tanks. No. 1,231,774; July 3; v. 240; p. 80.
- Mirfield, George E., and F. H. Nullmeyer, assignors, by mesne assignments, to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Machine for armoring cables. No. 1,230,008; June 12; v. 239; p. 596.
- Mirfield, George E., and F. H. Nullmeyer, assignors, by mesne assignments, to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Means for reeling cables. No. 1,230,009; June 12; v. 239; p. 596.
- Mischansky, Stephen A., assignor of one-half to S. Liskil, Syracuse, N. Y. Photographic developing apparatus. No. 1,222,654; Apr. 17; v. 237; p. 653.
- Mischansky, Stephen A., assignor of forty one-hundredths to F. Busin, Syracuse, N. Y. Photographic-plate holder. No. 1,236,201; Aug. 7; v. 241; p. 217.
- Miser, Charles E., Watertown, N. Y. Suction-box. No. 1,211,739; Jan. 9; v. 234; p. 499.
- Mishawaka Woolen Manufacturing Company. (See Bradley, Charles E., assignor.)
- Miskimen, Judson H., Glendive, Mont. Clothes-lifter. No. 1,228,945; June 5; v. 239; p. 192.
- Misland, Joseph A., Bayonne, N. J. Resistance element. No. 1,232,450; July 3; v. 240; p. 302.
- Misland, Joseph A., Bayonne, N. J. Electric regulating device. No. 1,232,451; July 3; v. 240; p. 302.
- Mississippi Valley Iron Company. (See Maffitt, Thomas S., assignor.)
- Mistrik, John, Etna, Pa. Curtain-bracket. No. 1,225,469; May 8; v. 238; p. 522.
- Mitchell, Addie D. (See Matthews and Mitchell.)
- Mitchell, Archelus H., Selma, Ala. Anesthetizing and resuscitation apparatus. No. 1,236,591; Aug. 14; v. 241; p. 373.
- Mitchell, Arthur B., Birmingham, Ala. Traverse-table. No. 1,232,706; July 10; v. 240; p. 421.
- Mitchell, Arthur B., Birmingham, Ala. Reflector for gas-lamps. No. 1,251,084; Dec. 25; v. 245; p. 896.
- Mitchell, Arthur D., Detroit, Mich. Hat. No. 1,242,964; Oct. 16; v. 243; p. 551.
- Mitchell, Arthur J., Connorsville, Ind. Gearing. No. 1,239,804; Sept. 11; v. 242; p. 374.
- Mitchell, Augusta V., Washington, D. C. Wheel-hub. No. 1,222,231; Apr. 10; v. 237; p. 462.
- Mitchell, Augusta V., Washington, D. C. Wheel for artillery-carriages. No. 1,222,232; Apr. 10; v. 237; p. 462.
- Mitchell, Augusta V., Washington, D. C. Spring-spoke wheel. No. 1,222,233; Apr. 10; v. 237; p. 463.
- Mitchell, Augusta V., Washington, D. C. Spring-wheel hub. No. 1,242,463; Oct. 9; v. 243; p. 356.
- Mitchell, Charles C., and W. J. Banham, Dallas, Oreg. Bed-spring and tightener. No. 1,223,193; Apr. 17; v. 237; p. 838.
- Mitchell, Charles T., Spencerport, N. Y. Combination suit-hanger. No. 1,223,194; Apr. 17; v. 237; p. 839.
- Mitchell, Clarence C., assignor to The National Marking Machine Company, Cincinnati, Ohio. Combined guard and tension attachment for marking-machines and the like. No. 1,228,946; June 5; v. 239; p. 192.
- Mitchell, Clarence C., assignor to The National Marking Machine Company, Cincinnati, Ohio. Laundry-marking machine. No. 1,241,417; Sept. 25; v. 242; p. 947.
- Mitchell, Clarence D., Marshall, Ill. Coin-controlled dispensing device for vending-machines. No. 1,233,685; July 17; v. 240; p. 776.
- Mitchell, Courtney N., Detroit, Mich. Nut-lock. No. 1,249,987; Dec. 11; v. 245; p. 482.
- Mitchell, David C., Monongahela, Pa. Train-pipe valve. No. 1,240,472; Sept. 18; v. 242; p. 621.
- Mitchell, Edward S., Syracuse, N. Y. Clothes-pin. No. 1,211,211; Jan. 2; v. 234; p. 287.
- Mitthell, Ernest R., assignor to Mitchell Specialty Company, Philadelphia, Pa. Door bumper and retainer. No. 1,212,663; Jan. 16; v. 234; p. 857.
- Mitchell, Frank, St. Jo, Tex. Plate-lifter. No. 1,239,615; Sept. 11; v. 242; p. 314.
- Mitchell, Frank S. (See Tettelnborn, Charles, assignor.)
- Mitchell, Fred, Nederland, Colo. Valve. No. 1,244,630; Oct. 30; v. 243; p. 1129.
- Mitchell, Frederick W., Ludington, Mich. Traction-vehicle. No. 1,236,738; Aug. 14; v. 241; p. 423.
- Mitchell, George, Camas, Wash. Fruit-picker. No. 1,223,601; Apr. 24; v. 237; p. 1010.
- Mitchell, Guy K., Baltimore, Md. Controlling means for elevators. No. 1,223,819; Apr. 24; v. 237; p. 1089.
- Mitchell, Halsey J., Schenectady, N. Y. Wire-holder. No. 1,218,295; Mar. 6; v. 236; p. 143.
- Mitchell, Harrison J., assignor to P. B. Yates Machine Company, Beloit, Wis. Tool and guide adjustment. No. 1,226,902; May 22; v. 238; p. 1084.
- Mitchell, Harry S., *et al.* (See Morter, Lycurgus W., assignor.)
- Mitchell, Henry S., Wauna, Oreg. Loader for lumber-trimmers. No. 1,246,138; Nov. 13; v. 244; p. 328.
- Mitchell, Hugh M., assignor to W. B. Mitchell, Sr., Des Moines, Iowa. Motor-lift-out device. No. 1,228,947; June 5; v. 239; p. 193.
- Mitchell, James A., McCrory, Ark. Water-lift. No. 1,244,631; Oct. 30; v. 243; p. 1129.
- Mitchell, James E., Pine Hill, Ky. Lamp-chimney holder. No. 1,225,990; May 15; v. 238; p. 739.
- Mitchell, James H., Denver, Colo. Air-pressure-limiting device. No. 1,233,594; July 17; v. 240; p. 748.
- Mitchell, James L. (See Dawson, James V., assignor.)

- Mitchell, John, Northampton, Pa. Corset-fastener. No. 1,224,486; May 1; v. 238; p. 134.
- Mitchell, John, Pine Bluff, Ark. Napkin-holder stand. No. 1,238,552; Aug. 28; v. 241; p. 1077.
- Mitchell, John E., St. Louis, Mo. Lift-centering mechanism for heel-building machines. No. 1,217,201; Feb. 27; v. 235; p. 1084.
- Mitchell, John E., St. Louis, Mo. Lift holding and delivering device for heel-building machines. No. 1,219,659; Mar. 20; v. 236; p. 683.
- Mitchell, John E., St. Louis, Mo. Pasting device. No. 1,227,818; May 29; v. 238; p. 1422.
- Mitchell, John E., and D. Parks, St. Louis, Mo. Machine for making laminated soles. No. 1,223,894; Apr. 24; v. 237; p. 1115.
- Mitchell, John E., and D. Parks, St. Louis, Mo. Heel-building machine. No. 1,228,948; June 5; v. 239; p. 193.
- Mitchell, John R., New York, N. Y. Porcelain thread-guide. No. 1,224,006; Apr. 24; v. 237; p. 1153.
- Mitchell, John R., Evanston, Ill., assignor to W. H. Miner, Chazy, N. Y. Car-underframing. No. 1,222,970; Apr. 17; v. 237; p. 761.
- Mitchell, John R., Evanston, Ill., assignor to W. H. Miner, Chazy, N. Y. Draw-bar-centering device and carrier. No. 1,230,199; June 19; v. 239; p. 697.
- Mitchell, John R., Evanston, Ill., assignor to W. H. Miner, Chazy, N. Y. Draw-bar carrier and centering device. No. 1,232,364; July 3; v. 240; p. 276.
- Mitchell, John R., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction draft-gear. No. 1,223,820; Apr. 24; v. 237; p. 1090.
- Mitchell, John R., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction-gear. No. 1,223,821; Apr. 24; v. 237; p. 1090.
- Mitchell, John S. (See Kees, Frederick, assignor.)
- Mitchell, Lena B., New Orleans, La. Bodkin. No. 1,217,046; Feb. 20; v. 235; p. 986.
- Mitchell, Luther W., Abanda, Ala. Nut-lock. No. 1,216,833; Feb. 20; v. 235; p. 915.
- Mitchell Manufacturing Co. (See Mitchell, William, assignor.)
- Mitchell, Mary P., Eaton, Ohio. Induction-coil controller. No. 1,222,885; Apr. 17; v. 237; p. 733.
- Mitchell, Neils. (See Wartman and Mitchell.)
- Mitchell, Oliver, Needham, assignor to Webster Company, North Attleboro, Mass. Case for cigarettes or the like. No. 1,237,540; Aug. 21; v. 241; p. 717.
- Mitchell, Oscar A., Sikeston, Mo. Lifting device. No. 1,244,228; Oct. 23; v. 243; p. 970.
- Mitchell, Randolph N., New Kensington, Pa. Elastic-seam metal roof. No. 1,235,714; Aug. 7; v. 241; p. 59.
- Mitchell, Robert C., Mount Vernon, N. Y. Closure means for transom-passages and the like. No. 1,218,684; Mar. 13; v. 236; p. 312.
- Mitchell, Robert J., Central Falls, R. I. Nipple-holding device. No. 1,231,775; July 3; v. 240; p. 80.
- Mitchell Specialty Company. (See Mitchell, Ernest R., assignor.)
- Mitchell, Vernon E., *et al.* (See Wilson, John M., assignor.)
- Mitchell, Walter L., Picayune, Miss. Rail-tie. No. 1,242,836; Oct. 9; v. 243; p. 475.
- Mitchell, William, Milwaukee, Wis. Guard for stalls. No. 1,215,569; Feb. 13; v. 235; p. 417.
- Mitchell, William, Milwaukee, Wis. Coupling. No. 1,241,137; Sept. 25; v. 242; p. 859.
- Mitchell, William, assignor to Mitchell Manufacturing Co., Milwaukee, Wis. Carrier. No. 1,241,238; Sept. 25; v. 242; p. 891.
- Mitchell, William B., Sr. (See Mitchell, Hugh M., assignor.)
- Mitchell, William L., Brooklyn, N. Y. Closure and lock device for containers. No. 1,221,354; Apr. 3; v. 237; p. 124.
- Mitchell, William M., Louisville, Ky. Anticreeper for railway-rails. No. 1,235,492; July 31; v. 240; p. 1412.
- Mitchell, William M., Louisville, Ky. Anchor for railway-rails. No. 1,235,493; July 31; v. 240; p. 1412.
- Mitchell, William M., Louisville, Ky. Anticreeper for railway-rails. No. 1,235,494; July 31; v. 240; p. 1412.
- Mitchell, William M., Louisville, Ky. Rail-anchor. No. 1,235,495; July 31; v. 240; p. 1412.
- Mitchell, William M., Louisville, Ky. Anticreeper device for railway-rails. No. 1,235,496; July 31; v. 240; p. 1413.
- Mitchell, William M., Louisville, Ky. Rail-anchor. No. 1,244,356; Oct. 23; v. 243; p. 1007.
- Mitchem, John. (See Hollingsworth and Mitchem.)
- Mitschow, Charles M., and W. A. Ramey, Buffalo, N. Y. Rotary engine. No. 1,219,837; Mar. 20; v. 236; p. 744.
- Mittasch, Alwin. (See Bosch and Mittasch.)
- Mittasch, Alwin. (See Bosch, Mittasch, and Beck.)
- Mittasch, Alwin. (See Bosch, Mittasch, and Beck.)
- Mittasch, Alwin, C. Schneider, and H. Morawitz, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Catalytic agent. No. 1,215,396; Feb. 13; v. 235; p. 352.
- Mittcovsbe, Edward F., Pittsburgh, Pa. Cutting attachment for rakes. No. 1,213,230; Jan. 23; v. 234; p. 1086.
- Mittendorf, Edward F., Addieville, Ill. Combined road scraper and drag. No. 1,243,329; Oct. 16; v. 243; p. 663.
- Mittinger, George E., Youngstown, Ohio, assignor of fifteen-sixteenths to Pressed Steel Products Company, Sharon, Pa. Removable head for barrels. No. 1,216,718; Feb. 20; v. 235; p. 875.
- Mittison, G. A., *et al.* (See Munroe, William H., assignor.)
- Mix, Frank E. (See Clapp, Arthur W., assignor.)
- Mix, Melville W., Mishawaka, Ind. Reinforced veneer. No. 1,215,570; Feb. 13; v. 235; p. 417.
- Mixa, Henry D., assignor to Two Rivers Plating & Mfg. Co., Two Rivers, Wis. Cheese-hoop and follower. No. 1,249,801; Dec. 11; v. 245; p. 429.
- Mixsell, Ward T., Washington, D. C. Heating system. No. 1,239,805; Sept. 11; v. 242; p. 375.
- Miyasaki, Kanzaburo, Los Angeles, Cal. Ornament. No. 1,230,010; June 12; v. 239; p. 596.
- Miyasaki, Yuske, McKees Rocks, Pa. Cast truck-bolster. (Reissue.) No. 14,307; May 29; v. 238; p. 1610.
- Miyauchi, Kiichi, Kagoshima-Ken, Japan. Cannfng. No. 1,245,489; Nov. 6; v. 244; p. 103.
- Mize, George M., assignor of one-half to W. F. Wood, De Queen, Ark. Peanut and potato harvester. No. 1,239,935; Sept. 11; v. 242; p. 417.
- Mizell, Charles W., and M. G. Hall, Heavener, Okla. Hay-baling press. No. 1,235,044; July 31; v. 240; p. 1279.
- Moakler, John W., assignor of one-half to N. S. Wright, East Worcester, N. Y. Removable resilient core for tires. No. 1,228,346; May 29; v. 238; p. 1598.
- Moakler, Patrick J. (See Gill, Sinclair, and Moakler.)
- Moan, John H., *et al.* (See Bergren, John A., assignor.)
- Moberg, Oscar, assignor to Landers, Frary & Clark, New Britain, Conn. Apparatus for the manufacture of glassware. No. 1,242,837; Oct. 9; v. 243; p. 476.
- Moberry, Leonard A. (See Taylor and Moberry.)
- Mock, James C., Detroit, Mich. Pipe-carrier support. No. 1,247,310; Nov. 20; v. 244; p. 708.
- Mockel, Amil, Williston, N. D. Dirt-shield for picks. No. 1,236,968; Aug. 14; v. 241; p. 497.
- Model Form Company. (See Farquharson, Charles W., assignor.)
- Model Form Company. (See Luery, Michael, assignor.)
- Model Form Company. (See Luery, Levis, and Nelson, assignors.)
- Modern Broom Machinery Company. (See Beebe, Smith and Duvall, assignors.)
- Modern Compressed Air Cleaning Company. (See Overholt, Edwin E., assignor.)
- Modern Specialty Company. (See Edwards, Ralph H., assignor.)
- Modern Threshing Cylinder Company, The. (See Schneider, Daniel, assignor.)
- Modine, Arthur B., Racine, Wis. Auxiliary tank and means for maintaining the temperature of a circulating fluid. No. 1,233,100; July 10; v. 240; p. 549.
- Modler, Johann H., Schweinfurt, Germany. Roller-bearing. No. 1,226,685; May 22; v. 238; p. 1010.
- Modlin, Charles W., and H. J. Lutz, Monongahela, Pa. Pot for window-glass machines. No. 1,215,571; Feb. 13; v. 235; p. 417.
- Modray, Anton, assignor to St. Louis Brass Manufacturing Company, St. Louis, Mo. Lighting-fixture. No. 1,251,406; Dec. 25; v. 245; p. 990.
- Moe, Aaron B., Chicago, Ill., assignor to Otis & Moe Manufacturing Company. Feed-hopper. No. 1,221,355; Apr. 3; v. 237; p. 124.
- Moe, George, Duluth, Minn. Brush. No. 1,222,971; Apr. 17; v. 237; p. 761.
- Moe, Gerhard, Ladysmith, Wis. Wire-cable-gripping device. No. 1,218,442; Mar. 6; v. 236; p. 192.
- Moe, Gerhard, Ladysmith, Wis., and A. J. Kirstin, Escanaba, Mich. Self-anchoring puller. No. 1,223,510; Apr. 24; v. 237; p. 980.
- Moe, Gerhard, Ladysmith, Wis., and A. J. Kirstin, Escanaba, Mich. Stump-puller. No. 1,226,616; May 15; v. 238; p. 948.
- Moede, Albert, Reedsville, Wis. Frictional gearing. No. 1,213,398; Jan. 23; v. 234; p. 1145.
- Moeller, Charles F., New Orleans, La. Spring-wheel. No. 1,235,586; Aug. 7; v. 241; p. 19.
- Moeller, William J., Wyoming, assignor to The Philip Carey Manufacturing Company, Lockland, Ohio. Elastic or expandable paving-joint. No. 1,220,766; Mar. 27; v. 236; p. 1106.
- Moeller, Willy, assignor to Gerb- und Farbstoffwerke H. Renner and Co. Aktiengesellschaft, Hamburg, Germany. Tanning material. No. 1,236,468; Aug. 14; v. 241; p. 333.
- Moench, Frederick, Rushville, Ill. Soldering-iron. No. 1,221,566; Apr. 3; v. 237; p. 199.
- Moerick, Theodore W., Kenosha, Wis. Soldering-tool. No. 1,234,557; July 24; v. 240; p. 1094.
- Moerk, Frank X., Oak Lane, Pa. Calendar. No. 1,222,655; Apr. 17; v. 237; p. 653.
- Moers, Ernest L., Golden Valley, Minn. Potato-bug killer. No. 1,249,988; Dec. 11; v. 245; p. 482.
- Moffat, Albert S., Belmont, assignor to H. C. Wheeler, Boston, Mass. Towel-holder. No. 1,218,103; Mar. 6; v. 236; p. 75.
- Moffat, Albert S., Belmont, Mass., assignor to Kunz-Wheeler-Moffat Company. Filament for incandescent bulbs. No. 1,222,119; Apr. 10; v. 237; p. 421.

Alphabetical list of patentees—Continued.

- Moffat, John A., Hamilton, Ontario, Canada. Implement for applying glaziers' points. No. 1,240,473; Sept. 18; v. 242; p. 622.
- Moffatt, Walter A., Erie, Pa. Apparatus for eliminating condensation in steam-engine cylinders. No. 1,221,356; Apr. 3; v. 237; p. 125.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Ruffing-machine. No. 1,210,671; Jan. 2; v. 234; p. 102.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing-machines. No. 1,217,328; Feb. 27; v. 235; p. 1126.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Sewing and binding machine. No. 1,217,329; Feb. 27; v. 235; p. 1127.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Loooper mechanism for sewing-machines. No. 1,217,980; Mar. 6; v. 236; p. 32.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Folder for sewing-machines. No. 1,219,838; Mar. 20; v. 236; p. 745.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Trimming mechanism for sewing-machines. No. 1,223,718; Apr. 24; v. 237; p. 1053.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Ornamental-stitch sewing-machine. No. 1,223,719; Apr. 24; v. 237; p. 1053.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Trimming mechanism for sewing-machines. No. 1,230,753; June 19; v. 239; p. 880.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Trimming mechanism for sewing-machines. No. 1,232,365; July 3; v. 240; p. 276.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Needle for sewing-machines. No. 1,235,587; Aug. 7; v. 241; p. 19.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Sewing and trimming machine. No. 1,235,911; Aug. 7; v. 241; p. 125.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Folder for sewing-machines. No. 1,237,801; Aug. 21; v. 241; p. 800.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Trimming mechanism. No. 1,237,802; Aug. 21; v. 241; p. 800.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Trimming mechanism for sewing-machines. No. 1,240,753; Sept. 18; v. 242; p. 706.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Forming belt-loops. No. 1,240,754; Sept. 18; v. 242; p. 707.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for cup-feed machines. No. 1,246,302; Nov. 13; v. 244; p. 376.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Depressible trimmer-blade and strip-deflector. No. 1,247,134; Nov. 20; v. 244; p. 658.
- Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Loooper mechanism for sewing-machines. No. 1,248,371; Nov. 27; v. 244; p. 1044.
- Moffatt, James R., and R. S. Kelso, assignors to Union Special Machine Company, Chicago, Ill. Sewing-machine. No. 1,214,576; Feb. 6; v. 235; p. 32.
- Moffatt, James R., and R. S. Kelso, assignors to Union Special Machine Company, Chicago, Ill. Folding mechanism for sewing-machines. No. 1,246,301; Nov. 13; v. 244; p. 376.
- Moffatt, Lester E., *et al.* (See Finizio, Thomas D., assignor.)
- Moffett, Marcus H., Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Battery-case. No. 1,240,239; Sept. 18; v. 242; p. 548.
- Moffitt, Chester E., Sidney, Iowa. Farm-tractor. No. 1,237,939; Aug. 21; v. 241; p. 843.
- Moffitt, George W., St. Louis county, Mo. Refractometer. No. 1,230,754; June 19; v. 239; p. 881.
- Moffitt, Jeremiah, assignor to American Optical Company, Southbridge, Mass. Drill. No. 1,222,559; Apr. 10; v. 237; p. 579.
- Mogren, Eben F., Minneapolis, Minn. Emergency vehicle-body support. No. 1,230,755; June 19; v. 239; p. 881.
- Mohawk Brush Company. (See Winkler, Karl, assignor.)
- Mohler, James P., South Haven, Mich. Combination apron and drain-pail. No. 1,230,756; June 19; v. 239; p. 882.
- Mohn, Henry P., Jacksonville, Ill. Collar-press. No. 1,228,466; June 5; v. 239; p. 31.
- Mohn, John, Detroit, Mich. Indicating device. No. 1,224,949; May 8; v. 238; p. 345.
- Mohr, Albert F., Milwaukee, Wis., assignor to International Harvester Corporation. Carburetor. No. 1,226,356; May 15; v. 238; p. 867.
- Mohr, Edward C., and R. A. Beach, Bloomfield, Nebr. Filter. No. 1,211,334; Jan. 2; v. 234; p. 328.
- Mohr, George A. (See Taylor, James W., assignor.)
- Mohr, John D., Oil City, Pa. Postage-stamp receptacle and applying device. No. 1,244,532; Oct. 30; v. 243; p. 1099.
- Mohr, Julius, Milwaukee, Wis. Extension-table. No. 1,225,991; May 15; v. 238; p. 739.
- Mohun, John L. (See Vincent and Mohun.)
- Mohun, John L., Brooklyn, N. Y. Car-roof sheet. No. 1,217,485; Feb. 27; v. 235; p. 1183.
- Mohun, John L., Brooklyn, N. Y., assignor to Franklin Railway Supply Company, Wilmington, Del. Fire-door apparatus. No. 1,235,227; July 31; v. 240; p. 1333.
- Mohun, John L., Brooklyn, N. Y., assignor to The Franklin Railway Supply Company, Wilmington, Del. Furnace-door device. No. 1,235,228; July 31; v. 240; p. 1333.
- Moinett, Frank, assignor to Superior Register Company, Canisteo, N. Y. File or account-register. No. 1,235,533; July 31; v. 240; p. 1426.
- Moir, Donald, and H. Buchanan, Rosario de Santa Fé, Argentina. Manufacture, centrifugally, of hollow articles. No. 1,223,602; Apr. 24; v. 237; p. 1011.
- Moir, James. (See Quelle, Ralph J., assignor.)
- Moir, James, and H. P. McFarland, Burlington, Iowa. Corn-planter attachment. No. 1,215,960; Feb. 13; v. 235; p. 557.
- Moise-Klinkner Co. (See Pyle, Edwin A., assignor.)
- Moiseff, Dmitri, Perm, Russia. Apparatus for driving and steering ships and for protecting them against encountered floating bodies and mines. No. 1,237,674; Aug. 21; v. 241; p. 761.
- Moisson, John O., Charleston, S. C. Telephone attachment. No. 1,212,091; Jan. 9; v. 234; p. 621.
- Moister, William, Corona, assignor to Brewster & Co., New York, N. Y. Expandible tool for cleaning combustion-cylinders. No. 1,226,903; May 22; v. 238; p. 1084.
- Mojonnier Bros. Co. (See Mojonnier, Julius J., assignor.)
- Mojonnier, Julius J., Oak Park, Ill., assignor to Mojonnier Bros. Co., Portland, Me. Estimating the solid content of liquid food products. No. 1,221,357; Apr. 3; v. 237; p. 125.
- Molander, Alfred, Minneapolis, Minn. Ore-pulverizer. No. 1,220,257; Mar. 27; v. 236; p. 928.
- Molander, Alfred, Sault Ste. Marie, Ontario, Canada. Mechanical mineral-concentrator. No. 1,235,497; July 31; v. 240; p. 1413.
- Molassine Company Limited, The. (See De Whalley, John J. A., assignor.)
- Molden, Harry, Sydney, Australia, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,241,754; Oct. 2; v. 243; p. 91.
- Moldon, Thomas E. (See Herdman and Moldon.)
- Molin, Arthur E., Rockford, Ill. Resilient tire. No. 1,217,619; Feb. 27; v. 235; p. 1233.
- Molina, Edward C., East Orange, N. J., assignor to American Telephone and Telegraph Company. Telephone-service-observing system. No. 1,245,490; Nov. 6; v. 244; p. 103.
- Molinaro, Tony, Silver Lake, N. J. Rotary shoe-cleaner. No. 1,223,195; Apr. 17; v. 237; p. 839.
- Moline Automobile Co. (See Gruenewald, Eugene, assignor.)
- Moline Plow Company. (See Crane, William H., assignor.)
- Moline Plow Company. (See Dewend, William D., assignor.)
- Moline Plow Company. (See Dickinson, Harry S., assignor.)
- Moline Plow Company. (See Esping, Conrad, assignor.)
- Moline Plow Company. (See Funk, Truman B., assignor.)
- Moline Plow Company. (See Smith, Orbin F., assignor.)
- Molineaux, Maurice, New York, N. Y. Apparatus for grinding optical lenses. No. 1,237,366; Aug. 21; v. 241; p. 662.
- Moliné, Raymond J., Lyon, France. Barrow for carrying stretchers for wounded. No. 1,242,887; Oct. 9; v. 243; p. 491.
- Molinski, James, *et al.* (See Pehel, Zygmunt, assignor.)
- Moll, Clinton, Olathe, Kans. Corn-planter. No. 1,214,577; Feb. 6; v. 235; p. 33.
- Moll, Frederick C. (See Meas and Moll.)
- Mollan, Charles G., Chicago, Ill. Headlight-lamp. No. 1,212,145; Jan. 9; v. 234; p. 641.
- Mollenhauer, Arnold, New York, N. Y. Oil-dispensing device. No. 1,218,685; Mar. 13; v. 236; p. 313.
- Mollenhauer, Louis, New York, N. Y. Bow-guide. No. 1,228,949; June 5; v. 239; p. 194.
- Möller, Egon O., Brooklands, England. Electrical relay. No. 1,231,048; June 26; v. 239; p. 1020.
- Möller, H. Esk, *et al.*, executors. (See Kendall, Edward D.)
- Möller, Johan P., assignor to Boss Manufacturing Company, Kewanee, Ill. Glove and mitten. No. 1,215,688; Feb. 13; v. 235; p. 460.
- Möller, Johan P., assignor to Boss Manufacturing Company, Kewanee, Ill. Cotton glove. No. 1,225,155; May 8; v. 238; p. 414.
- Möller, Valdemar F., assignor to A/S Carl Axelssens Jernstøberi & Maskinfabrik, Svendborg, Denmark. Membrane-pump. No. 1,236,469; Aug. 14; v. 241; p. 333.
- Møllerup, Christopher, assignor to Automatic Electric Company, Chicago, Ill. Telephone supervisory system. No. 1,224,883; May 1; v. 238; p. 272.
- Moloney, Bernard A. (See Moloney, Edmund D. and B. A.)
- Moloney, Edmund D. and B. A., Rochester, N. Y. Shoe. No. 1,232,591; July 10; v. 240; p. 383.
- Moloney Electric Company. (See Mullen, James J., assignor.)
- Moloney, Francis J., Corning, N. Y. Screw-threaded bulb-mold. No. 1,222,784; Apr. 17; v. 237; p. 697.

- Moloney, John H., Philadelphia, Pa. Lateral-spacing attachment for type-writing machines. No. 1,246,638; Nov. 13; v. 244; p. 479.
- Moloney, Thomas O. (See Neeley, George S., assignor.)
- Molt, Fred J. (See Jones, Chesney L., assignor.)
- Molteni, Louis A., assignor of one-half to W. E. Gillespie, Hoboken, N. J. Animated advertising device for cars. No. 1,219,839; Mar. 20; v. 236; p. 745.
- Molthen, Anthony. (See Kirkpatrick and Molthen.)
- Moltzner, Karl G., Portland, Oreg. Fruit cutting and pitting machine. No. 1,223,343; Apr. 17; v. 237; p. 887.
- Molyneux, George E. (See Stowe and Molyneux.)
- Molyneux, George E., Bayonne, N. J. Transmission for power table sewing-machines, &c. No. 1,230,919; June 26; v. 239; p. 974.
- Molyneux, George E., Bayonne, N. J., assignor to The Singer Manufacturing Company. Power-transmitter. No. 1,223,603; Apr. 24; v. 237; p. 1011.
- Molyneux, George E., Bayonne, N. J., assignor to The Singer Manufacturing Company. Sewing-machine. No. 1,224,311; May 1; v. 238; p. 70.
- Molyneux, George E., Bayonne, N. J., assignor to The Singer Manufacturing Company. Sewing-machine guide. No. 1,225,156; May 8; v. 238; p. 414.
- Molyneux, George E., Bayonne, N. J., assignor to The Singer Manufacturing Company. Speed controlling and arresting mechanism for sewing-machines. No. 1,236,739; Aug. 14; v. 241; p. 424.
- Molyneux, George E., Bayonne, and G. S. Gatchell, Roselle Park, N. J., assignors to The Singer Manufacturing Company. Sewing-machine folder. No. 1,212,539; Jan. 16; v. 234; p. 810.
- Molyneux, George E., Bayonne, and G. S. Gatchell, Roselle Park, N. J., assignors to The Singer Manufacturing Company. Gathering feed device. No. 1,238,174; Aug. 28; v. 241; p. 953.
- Momentum Brake Corporation. (See Morgan, Porter S., assignor.)
- Monahan, Michael C., Dixon, Ill. Humidifier. No. 1,232,954; July 10; v. 240; p. 502.
- Monahan, William, Minneapolis, Minn. Latch-strip for bicycle-stands. No. 1,237,541; Aug. 21; v. 241; p. 717.
- Monarch Manufacturing Corporation. (See Folden, Frank H., assignor.)
- Monarch Metal Weather Strip Company. (See Lane, Alfred M., assignor.)
- Monarch Steam Blower Company. (See Bradley, William J., assignor.)
- Monarch Steel Castings Company. (See Giberson, Mason B., assignor.)
- Monarch Ventilator Company. (See Hubbard, Moses G., assignor.)
- Monard, Alfred, E. A. Moutier, and H. Dumartin, Paris, France. Apparatus for controlling railway switches and signals. No. 1,235,912; Aug. 7; v. 241; p. 125.
- Monce, Samuel G., Unionville, Conn. Mounting for glass-cutters. No. 1,221,076; Apr. 3; v. 237; p. 26.
- Monce, Samuel G., Unionville, Conn. Glass-cutter. No. 1,232,866; July 3; v. 240; p. 277.
- Moncure, William A. P., Batesville, Va. Mold for concrete structures. No. 1,221,567; Apr. 3; v. 237; p. 199.
- Monfee, Andrew J., Pratt City, Ala. Blow-off valve. No. 1,222,972; Apr. 17; v. 237; p. 761.
- Mongeau, George E., Lowell, Mass. Outsole and welt stitching machine and guard therefor. No. 1,213,932; Jan. 30; v. 234; p. 1357.
- Monitor Controller Company. (See Whittingham, George H., assignor.)
- Monitor Drill Company. (See Brennan, Thomas, Jr., assignor.)
- Moniwa Tadashi, Akasaka, Tokyo, Japan. Cement. No. 1,233,161; July 10; v. 240; p. 549.
- Monmouth Plow Factory. (See Bereth, William F., assignor.)
- Monner, Frank. (See Hughes, Robert B., assignor.)
- Monnet, Georges, Stolberg, Germany. Device for lifting, lowering, and conveying fragile objects, such as sheet-glass and the like. No. 1,228,690; June 5; v. 239; p. 108.
- Monnot, John F., Paris, France, assignor, by mesne assignments, to Lovell-McConnell Manufacturing Company. Mechanical horn. No. 1,247,987; Nov. 27; v. 244; p. 937.
- Monrath, Gustav, Chuquicamata, Chile, assignor to Chile Exploration Company, New York, N. Y. Apparatus for lining reservoirs and the like. No. 1,219,840; Mar. 20; v. 236; p. 745.
- Monro, Gibson R. (See Jones and Monro.)
- Monro, William L., assignor to Window Glass Machine Company, Pittsburgh, Pa. Ring-shield for glass-drawing apparatus. No. 1,231,776; July 3; v. 240; p. 80.
- Monro, William L., assignor to Window Glass Machine Company, Pittsburgh, Pa. Glass-feeding system for drawing apparatus. No. 1,248,372; Nov. 27; v. 244; p. 1044.
- Monroe, Andrew J. (See Monroe, Nathaniel S., G. W., and A. J.)
- Monroe Calculating Machine Company. (See Phinney, Edgar E., assignor.)
- Monroe, Chalmers A., Leavenworth, Kans. Combined propulsion and steering means for vehicles. No. 1,246,452; Nov. 13; v. 244; p. 422.
- Monroe, Frank A., Jr., assignor to The Dyer Company, Cleveland, Ohio. Treatment of certain liquors. No. 1,236,097; Aug. 7; v. 241; p. 183.
- Monroe, George T., Alva, Okla. Hame-tug and trace. No. 1,239,290; Sept. 4; v. 242; p. 183.
- Monroe, George W. (See Monroe, Nathaniel S., G. W., and A. J.)
- Monroe, Henry, Fairview, Kans. Tidal motor. No. 1,224,950; May 8; v. 238; p. 345.
- Monroe, Nathaniel S., Arthur, Ill. Road-leveling machine. No. 1,215,044; Feb. 6; v. 235; p. 199.
- Monroe, Nathaniel S., Arthur, Ill. Road-machine. No. 1,215,045; Feb. 6; v. 235; p. 199.
- Monroe, Nathaniel S., G. W., and A. J., Arthur, Ill. Road-working machine. No. 1,247,135; Nov. 20; v. 244; p. 659.
- Monroe, Thomas E., Brooklyn, N. Y. Automatic player-piano. No. 1,212,240; Jan. 16; v. 234; p. 704.
- Monroe, Will K. (See Brown and Monroe.)
- Monson, Jöns, New York, N. Y. Vehicle-tire. No. 1,248,149; Nov. 27; v. 244; p. 981.
- Montague, Harold E., Philadelphia, Pa., assignor of fifty-five one-hundredths to D. Kraus, New York, N. Y. Internal-combustion engine. No. 1,227,551; May 22; v. 238; p. 1301.
- Montague, Hubert H., Traverse City, Mich. Lawn-mower. No. 1,221,204; Apr. 3; v. 237; p. 72.
- Montague Mailing Machinery Co. (See Brogdon, James F., assignor.)
- Montague Mailing Machinery Co. (See Dolcater, Frederick C., assignor.)
- Montague Mailing Machinery Co. (See Lee, Ulysses G., assignor.)
- Montague Mailing Machinery Co. (See Owens, Charles, assignor.)
- Montanari, Angelo, Pensacola, Fla. Antiskidding attachment. No. 1,215,179; Feb. 6; v. 235; p. 242.
- Montaney, Louis P., Omak, Wash. Folding chiropractic table. No. 1,230,592; June 19; v. 239; p. 829.
- Montbarbon, Charles M. P., deceased. Neuilly-sur-Seine, and G. E. Chédru; A. H. Wael, Levallois-Perret, France, administrator. Internal-combustion engine. No. 1,219,982; Mar. 20; v. 236; p. 795.
- Montbarbon, Charles M. P., deceased. Neuilly-sur-Seine, and G. E. Chédru; A. H. Wael, Levallois-Perret, France, administrator. Internal-combustion engine. No. 1,219,983; Mar. 20; v. 236; p. 796.
- Montbarbon, Charles M. P., deceased, and G. E. Chédru; H. Wael, Levallois-Perret, France, administrator. Friction-gearing. No. 1,230,011; June 12; v. 239; p. 596.
- Montel, Alva, Claypool, Ind. Fence-post. No. 1,250,617; Dec. 18; v. 245; p. 708.
- Montgomery, Beauchamp H., assignor of one-half to J. B. Dingwall, Toronto, Ontario, Canada. Hose-reel. No. 1,245,491; Nov. 6; v. 244; p. 104.
- Montgomery, Charles R., Keynsham, near Bristol, England. Appliance for shearing metal. No. 1,229,120; June 5; v. 239; p. 250.
- Montgomery, Charles W. (See Fisher, George W., assignor.)
- Montgomery, Forest H., East Orange, N. J. Attachment for adding-machines and type-writers. No. 1,221,563; Apr. 3; v. 237; p. 199.
- Montgomery, George B., Rupert, Idaho. Trip device for hay-carriers. No. 1,215,046; Feb. 6; v. 235; p. 200.
- Montgomery, Henry M., Cedar Vale, Kans. Eraser. No. 1,249,939; Dec. 11; v. 245; p. 482.
- Montgomery, James E., Lancaster, Ky. Door-fastener. No. 1,248,373; Nov. 27; v. 244; p. 1045.
- Montgomery, Leon F., Fort Recovery, Ohio. Shoe-sole. No. 1,212,985; Jan. 16; v. 234; p. 968.
- Montgomery, Leon F., Fort Recovery, assignor of one-half to J. E. Grosjean, Lima, Ohio. Tread and making the same. No. 1,249,292; Dec. 4; v. 245; p. 250.
- Montgomery, Robert J. (See Sperr and Montgomery.)
- Montgomery Ward & Co. (See Weaver, Ira A., assignor.)
- Montgomery, William V., et al. (See Hoddinott, John K., assignor.)
- Montheil, Edward G., Jefferson, Iowa. Wagon. No. 1,235,361; July 31; v. 240; p. 1374.
- Monti, Eudo, Turin, Italy. Digesting and concentrating protein in any form by dissolving it in grape-juice. No. 1,226,983; May 22; v. 238; p. 1114.
- Montine, Joseph F., Nevinville, Iowa. Overhead transportation system. No. 1,232,367; July 3; v. 240; p. 277.
- Montine, Joseph F., Nevinville, Iowa. Overhead transportation system. No. 1,246,139; Nov. 13; v. 244; p. 328.
- Monts, Pierre de, Marseille, France. Vehicle-coupling device. No. 1,218,631; Mar. 13; v. 236; p. 294.
- Montstream, John H., Hartford, Conn. Red-spring-reinforcing member. No. 1,240,755; Sept. 18; v. 242; p. 707.
- Montz, Le Roy, Milton, Pa. Safety car-wrench. No. 1,236,740; Aug. 14; v. 241; p. 424.

Alphabetical list of patentees—Continued.

- Monvoisin, Julien J., Montreuil, Paris, France. Treating fresh meats with a view to conserve the same in a fresh condition in open air. No. 1,219,130; Mar. 13; v. 236; p. 470.
- Monyer, Milton M., and E. E. McKinney, Reading, Pa. assignors, by mesne assignments, to Anticor Mfg. Company. Corn-cutter. No. 1,248,525; Dec. 4; v. 245; p. 28.
- Moody, Alice L., Helena, Mont. Supporting-mat. No. 1,248,150; Nov. 27; v. 244; p. 982.
- Moody, Benjamin F., Huttig, Ark. Lace or rucking holding card. No. 1,232,955; July 10; v. 240; p. 502.
- Moody, Jason B., Dallas, Tex. Calculating device. No. 1,232,066; July 3; v. 240; p. 180.
- Moody, Jason B., Dallas, Tex. Loose-leaf binder. No. 1,244,756; Oct. 30; v. 243; p. 1167.
- Moomy, Joseph G., Erie, Pa. Tire-patch and making the same. No. 1,211,867; Jan. 9; v. 234; p. 547.
- Moomy, Joseph G., Erie, Pa. Patch for pneumatic tires. No. 1,219,577; Mar. 20; v. 236; p. 655.
- Moomy, Joseph G., Erie, Pa. Patch for pneumatic tires. No. 1,219,578; Mar. 20; v. 236; p. 655.
- Moon, Charles T., Scottsville, Va. Receptacle-support. No. 1,238,320; Aug. 28; v. 241; p. 1001.
- Moon, Earl W., Holland, Ga. Nut-lock. No. 1,249,802; Dec. 11; v. 245; p. 429.
- Moon, Harold L., Fairmount, N. D. Mail-box for rural free-delivery routes. No. 1,244,229; Oct. 23; v. 243; p. 970.
- Moon-Hopkins Billing Machine Company. (See Thieme, Otto, assignor.)
- Moon, John C., St. Louis, Mo. Welding tubes. No. 1,229,774; June 12; v. 239; p. 520.
- Moon, John C., St. Louis, Mo. Pipe-assembling machine. No. 1,232,707; July 10; v. 240; p. 421.
- Moon, John C., St. Louis, Mo. Thread-cutter. No. 1,232,708; July 10; v. 240; p. 422.
- Moon, John C., St. Louis, Mo. Thread-cutter. No. 1,232,709; July 10; v. 240; p. 422.
- Moon, Orland J. (See Moon, Thomas E., assignor.)
- Moon, Sumner A., Butte, Mont. Beet-topping machine. No. 1,217,330; Feb. 27; v. 235; p. 1127.
- Moon, Thomas E., Sabina, assignor of one-half to O. J. Moon, New Holland, Ohio. Toy gun. No. 1,226,273; May 15; v. 238; p. 840.
- Moon, William D., assignor of one-half to C. W. Lowrey, Blocton, Ala. Safety-stop for mine-cars. No. 1,217,620; Feb. 27; v. 235; p. 1233.
- Mooney, Ben S. (See Quattlebaum and Mooney.)
- Mooney, Charles F., Schenectady, N. Y. Compasses. No. 1,235,715; Aug. 7; v. 241; p. 59.
- Mooney, Frank H., assignor to The Conklin Pen Manufacturing Company, Toledo, Ohio. Thread-cutting machine. No. 1,231,283; June 26; v. 239; p. 1098.
- Mooney, Luke, Seward, N. J. Process of and apparatus for drying glue-like material. No. 1,253,716; Aug. 7; v. 241; p. 59.
- Mooney, Owen J., Kingston, N. Y. Respirator. No. 1,232,956; July 10; v. 240; p. 503.
- Mooney, Thomas H., Houston, Tex., assignor of one-half to S. F. Sullivan, Chicago, Ill. Metallic train-pipe connection. No. 1,250,336; Dec. 18; v. 245; p. 624.
- Mooney, William T., Bottineau, N. D. Buggy-axle brace. No. 1,216,346; Feb. 20; v. 235; p. 745.
- Moor, Edward N., Oakland, Cal. Tool-holder for lathes. No. 1,219,841; Mar. 20; v. 236; p. 716.
- Moore, Adelbert H., and E. F. Morton, assignors to The Ell-Kay Mfg. Co., Kansas City, Mo. Partition-support. No. 1,221,205; Apr. 3; v. 237; p. 72.
- Moore, Albert F., New Madrid, Mo. Wire-twister. No. 1,232,368; July 3; v. 240; p. 277.
- Moore, Arthur J., Kenwood Park, Iowa. Game-board. No. 1,240,756; Sept. 18; v. 242; p. 707.
- Moore, Austin C., and J. F. Coonan, Boise, Idaho. Livestock counter. No. 1,250,483; Dec. 18; v. 245; p. 668.
- Moore, C. O. (See Post, Edward R., assignor.)
- Moore, Charles C. (See Walker and Moore.)
- Moore, Charles C., Washington, D. C., assignor of one-half to F. C. Stevens, Attica, N. Y. Making starch and product thereof. No. 1,224,951; May 8; v. 233; p. 346.
- Moore, Charles H. (See Brewer, Alden R., assignor.)
- Moore, Charles L., Dallas, Tex. Amusement device. No. 1,226,565; May 15; v. 238; p. 932.
- Moore, Charles W., South Bend, Ind. Street or station indicator. No. 1,222,015; Apr. 10; v. 237; p. 386.
- Moore, Clarence B., Virginia, Minn. Rod-packing ring. No. 1,211,613; Jan. 9; v. 234; p. 457.
- Moore, Clarence E., Virginia, Minn. Rod packing-ring. No. 1,239,028; Sept. 4; v. 242; p. 99.
- Moore, David H., Oklahoma, Okla. Airless vehicle-tire. No. 1,232,369; July 3; v. 240; p. 277.
- Moore, David P., and S. B. Pack, Washington, D. C., assignors to Packmore Manufacturing Company. Suction cleaning-machine. No. 1,237,675; Aug. 21; v. 241; p. 761.
- Moore, E. C. (See Rogers, Leo L., assignor.)
- Moore, E. W., administrator. (See Chamberlin, Franklin L.)
- Moore, Edmund L., Vega Baja, Porto Rico. Motor attachment. No. 1,239,714; Sept. 11; v. 242; p. 347.
- Moore, Edward D., Utica, N. Y. Portfolio-kitchenette. No. 1,240,997; Sept. 25; v. 242; p. 816.
- Moore, Edward J., and D. S. Hawkins, assignors to The Foundry Equipment Company, Cleveland, Ohio. Lathe. No. 1,240,474; Sept. 18; v. 242; p. 622.
- Moore, Edward Y., Cleveland, Ohio. Load-hook. No. 1,227,171; May 22; v. 238; p. 1176.
- Moore, Edward Y., Cleveland, Ohio. Hand-chain guide for hoists. No. 1,245,492; Nov. 6; v. 244; p. 104.
- Moore, Edward Y., Cleveland, Ohio. Cable-winch. No. 1,249,169; Dec. 4; v. 245; p. 214.
- Moore, Ernst D., and S. L. Fisher, Saybrook, assignors to The Pratt Read Player Action Company, Deep River, Conn. Note-sheet-centering mechanism for player-pianos. No. 1,243,330; Oct. 16; v. 243; p. 663.
- Moore, Essie H., Pittsburg, Tex. Envelop. No. 1,221,569; Apr. 3; v. 237; p. 200.
- Moore, Frank A., Wyandotte, Mich. Truck. No. 1,243,200; Oct. 16; v. 243; p. 624.
- Moore, Frank S., Brooklyn, N. Y. Phonograph. No. 1,229,775; June 12; v. 239; p. 521.
- Moore, Fred B., Courtney, Okla. Cotton-chopper. No. 1,219,984; Mar. 20; v. 236; p. 796.
- Moore, Frederick H., Melrose, Mass. Paper-dispensing holder. No. 1,242,019; Oct. 2; v. 243; p. 176.
- Moore, George, Joplin, Mo. Replacing and thickening apparatus. No. 1,231,409; June 26; v. 239; p. 1141.
- Moore, George, Joplin, Mo. Process of replacement. No. 1,231,410; June 26; v. 239; p. 1141.
- Moore, George, Joplin, Mo. Dewatering and replacement apparatus. No. 1,231,411; June 26; v. 239; p. 1141.
- Moore, George, Joplin, Mo. Replacing solvents in pulps. No. 1,248,374; Nov. 27; v. 244; p. 1045.
- Moore, George A., Medford, Mass. Embroidery-hoop. No. 1,244,230; Oct. 23; v. 243; p. 970.
- Moore, George W., Tulsa, Okla. Reversing-gear mechanism. No. 1,214,703; Feb. 6; v. 235; p. 79.
- Moore, Harry G., assignor to Corliss Motor Truck Company, Corliss, Wis. Combined dash and toe board for automobiles. No. 1,243,962; Oct. 23; v. 243; p. 890.
- Moore, Harry J., Whitinsville, Mass. Door-holder. No. 1,238,042; Aug. 21; v. 241; p. 876.
- Moore, Hebert H., *et al.* (See Eades, Rodger, assignor.)
- Moore, Henrietta A. (See Flanagan, William, assignor.)
- Moore, Henry E., assignor, by mesne assignments, to W. S. Saiter, Chicago, Ill. Combined stoker and grate. No. 1,246,639; Nov. 13; v. 244; p. 479.
- Moore, Henry J., Niagara Falls, Ontario, Canada. Window-conservatory. No. 1,214,057; Jan. 30; v. 234; p. 1402.
- Moore, Herbert L. G., Hohokus, N. J. Coop for the transportation of live chicks. No. 1,212,540; Jan. 16; v. 234; p. 811.
- Moore, Ira L., Springvale, Me. Steam-boiler. No. 1,244,067; Oct. 23; v. 243; p. 921.
- Moore, Ithiel, Chicago, Ill. Railway-crossing. No. 1,249,803; Dec. 11; v. 245; p. 429.
- Moore, Jacob L., Muncie, Ind. Spring-bottom. No. 1,213,281; Jan. 23; v. 234; p. 1086.
- Moore, James L., assignor to Moore Steam Turbine Corporation, Wellsville, N. Y. Steam-turbine. No. 1,242,578; Oct. 9; v. 243; p. 394.
- Moore, James W., Portsmouth, Va. Ship's ladder and gangway. No. 1,233,686; July 17; v. 240; p. 777.
- Moore, John A. (See Hamilton and Moore.)
- Moore, John B., Latrobe, Pa. Thread-pitch gage. No. 1,249,804; Dec. 11; v. 245; p. 429.
- Moore, John P., *et al.* (See Baum, James B., assignor.)
- Moore, Joseph N. (See Gore, Normal G., assignor.)
- Moore, Leslie E., Long Beach, Cal. Collapsible camp-grate. No. 1,244,357; Oct. 23; v. 243; p. 1008.
- Moore, Lewis L., Massillon, Ohio. Garment-fastener. No. 1,214,704; Feb. 6; v. 235; p. 79.
- Moore, Martin L., Glen Osborne, assignor to Frick & Lindsay Company, Pittsburgh, Pa. Pipe-thread protector. No. 1,211,477; Jan. 9; v. 234; p. 410.
- Moore, Merrill, Creston, Iowa. Device for molding concrete slabs or blocks. No. 1,219,131; Mar. 13; v. 236; p. 470.
- Moore, Merrill, Creston, Iowa. Concrete building slab or block. No. 1,236,387; Aug. 7; v. 241; p. 272.
- Moore, Milo W., Boise, Idaho. Wall-coating composition. No. 1,217,331; Feb. 27; v. 235; p. 1127.
- Moore, Morris W., Somerville, assignor to Samuel Ward Manufacturing Company, Boston, Mass. Fountain-pen. No. 1,220,875; Mar. 27; v. 236; p. 1144.
- Moore, Nellie C., Virginia, Minn. Nethergarment. No. 1,212,092; Jan. 9; v. 234; p. 622.
- Moore, Nelson R. (See Briery and Moore.)
- Moore, Oliver P., Spokane, Wash. Oil or gas burning smelting-furnace. No. 1,225,470; May 8; v. 238; p. 522.
- Moore, Payton J. H., Chicago, Ill., assignor to American Grain Deodorizing Co. Apparatus for treating grain. No. 1,220,160; Mar. 20; v. 236; p. 862.
- Moore, Perry M., assignor of one-half to H. S. Clark and F. E. Fain, Oklahoma, Okla. Elastic puppet-valve. No. 1,238,175; Aug. 28; v. 241; p. 954.
- Moore, Philip W., Evanston, assignor to The P. & M. Co., Chicago, Ill. Anticreeper. No. 1,216,156; Feb. 13; v. 235; p. 628.
- Moore, Quintin, Riddrie, Glasgow, Scotland. Treatment and recovery of tar and ammonia liquor from producer or other gas. No. 1,215,300; Feb. 6; v. 235; p. 284.

- Moore, Ralph H., and R. P. Saffold, Douglas, Ariz. Automatic film-shifter for cameras. No. 1,232,828; July 10; v. 240; p. 460.
- Moore, Ray N., Ames, Iowa. Corn-planter. No. 1,243,541; Oct. 16; v. 243; p. 725.
- Moore Rifle and Arms Company, The. (See Moore, Robert A., assignor.)
- Moore, Robert A., assignor to The Moore Rifle and Arms Company, Inc., New York, N. Y. Firearm. No. 1,226,566; May 15; v. 238; p. 932.
- Moore, Robert A., assignor to The Moore Rifle and Arms Company, Inc., New York, N. Y. Firearm. No. 1,230,012; June 12; v. 239; p. 597.
- Moore, Samuel E., Harrisburg, assignor of one-fourth to J. McKirdy, Carlisle, and one-fourth to F. M. Eastman, Harrisburg, Pa. Index-drawer. No. 1,227,172; May 22; v. 238; p. 1178.
- Moore, Samuel M., Sumner, Ill. Automobile-swing. No. 1,218,443; Mar. 6; v. 236; p. 192.
- Moore Steam Turbine Co. (See Spicer, Elmer D., assignor.)
- Moore Steam Turbine Corporation. (See Moore, James L., assignor.)
- Moore, Theodore, Chicago, Ill. Safety milk-bottle container. No. 1,237,076; Aug. 21; v. 241; p. 761.
- Moore, Thomas F., assignor to Moore Trench Machine Co., Syracuse, N. Y. Loading-excavator. No. 1,245,118; Oct. 30; v. 243; p. 1277.
- Moore, Thomas J., Westfield, N. J., assignor to The R. Neumann Hardware Co. Follower for trunks. No. 1,220,258; Mar. 27; v. 236; p. 929.
- Moore, Tom, Hays, Kans. Post-hole digger. No. 1,235,588; Aug. 7; v. 241; p. 20.
- Moore Trench Machine Co. (See Moore, Thomas F., assignor.)
- Moore, Walter F., Livingston, Mont. Barrel-cover. No. 1,214,813; Feb. 6; v. 235; p. 114.
- Moore, Walter H., assignor to J. H. Bell, Philadelphia, Pa. Timing device. No. 1,228,347; May 29; v. 238; p. 1598.
- Moore, Wardlow H., Advocate Harbour, Nova Scotia, Canada. Attachment for boats. No. 1,220,876; Mar. 27; v. 236; p. 1144.
- Moore, Waverley C., Anderson, S. C. Animal-trap. No. 1,235,833; Aug. 7; v. 241; p. 99.
- Moore and White Company, The. (See White, Joseph A., assignor.)
- Moore, William A., New York, N. Y. Safety window-seat. No. 1,247,136; Nov. 20; v. 244; p. 659.
- Moore, William D., Creston, Iowa. Mold for casting poured-concrete blocks. No. 1,215,961; Feb. 13; v. 235; p. 557.
- Moore, William E., Pittsburgh, Pa. Electric metallurgical furnace and operating the same. No. 1,242,464; Oct. 9; v. 243; p. 356.
- Moore, William E., assignor to A. Henderson, Chicago, Ill. Machine for molding and baking containers for ice-cream and the like. No. 1,245,008; Oct. 30; v. 243; p. 1243.
- Moore, William E., Wausau Junction, and J. H. Hulehan, Eland, Wis. Screen-sash-locking means. No. 1,220,259; Mar. 27; v. 236; p. 929.
- Moore, William F., Votaw, Tex. Plow. No. 1,218,883; Mar. 13; v. 236; p. 387.
- Moore, William H., Toledo, Ohio. Direction-indicator. No. 1,236,340; Aug. 7; v. 241; p. 259.
- Moore, William J. P., New York, N. Y. Carbureter. No. 1,212,986; Jan. 16; v. 234; p. 969.
- Moore, William J. P., New York, N. Y. Universal joint. No. 1,232,829; July 10; v. 240; p. 461.
- Moore, William J. P., New York, N. Y. Steering-knuckle. No. 1,234,923; July 31; v. 240; p. 1241.
- Moore, William J. P., New York, N. Y. Demountable rim. No. 1,238,176; Aug. 28; v. 241; p. 954.
- Moore, William J. P., New York, N. Y. Demountable rim. No. 1,239,506; Sept. 11; v. 242; p. 279.
- Moore, William J. P., New York, N. Y. Wheel. No. 1,243,751; Oct. 23; v. 243; p. 825.
- Moore, William J. P., New York, N. Y. Elastic suspension device for the frames of automobiles and other vehicles. No. 1,243,752; Oct. 23; v. 243; p. 825.
- Moore, William J. P., New York, N. Y. Frame for automobiles and other vehicles. No. 1,247,705; Nov. 27; v. 244; p. 855.
- Moore, William J. P., New York, N. Y. Demountable rim. No. 1,249,452; Dec. 11; v. 245; p. 327.
- Moore, William R., Fayetteville, Ark. Projectile. No. 1,243,542; Oct. 16; v. 243; p. 725.
- Moore, William T., Louisville, Ky. Talking-machine-stylus holder. No. 1,234,375; July 24; v. 240; p. 1035.
- Moore, Zed, et al. (See Willson, Mendal W., assignor.)
- Moorehead, George F., assignor to C. L. Percival Company, Des Moines, Iowa. Refrigerator show-case. No. 1,227,922; May 29; v. 238; p. 1458.
- Moorehead, Albert E., Ukiah, Cal. Rotary valve. No. 1,218,296; Mar. 6; v. 236; p. 144.
- Moorehead, Leon S., Los Angeles, and M. G. Blair, Eureka, Cal. Direction-indicator. No. 1,246,979; Nov. 20; v. 244; p. 614.
- Moorman Manufacturing Company. (See Cox, Charles A., assignor.)
- Moorman, Mary H., Lynchburg, Va. Separable rigid head-and-socket fastener. No. 1,251,085; Dec. 25; v. 245; p. 896.
- Moors, George F., Owensboro, Ky., assignor to The Recip-roto Engine Co. Rotary engine. No. 1,227,173; May 22; v. 238; p. 1179.
- Moors, Walter C., assignor of one-half to W. P. Pedley, Owensboro, Ky. Shade-roller lock. No. 1,242,362; Oct. 9; v. 243; p. 323.
- Moos, August E., Nokomis, Ill. Ice-cream spoon. No. 1,224,007; Apr. 24; v. 237; p. 1153.
- Mora, Peter, Clinton, Ind. Acetylene-lamp. No. 1,226,237; May 15; v. 238; p. 824.
- Morales, Caleb A., New York, N. Y. Automatic teapot. No. 1,211,614; Jan. 9; v. 234; p. 457.
- Moran, George T. (See Barber and Frazee, assignors.)
- Moran, Jerome H., Montrose, Mich. Davit. No. 1,247,706; Nov. 27; v. 244; p. 855.
- Moran, Martin M., Ogden, Utah. Quartering drive-wheel press. No. 1,219,985; Mar. 20; v. 236; p. 796.
- Moran, Michael, St. Joe, Idaho. Self-wringing mop. No. 1,235,229; July 31; v. 240; p. 1334.
- Moran, Michael D., assignor of one-half to J. L. Lynch, Chicago, Ill. Safety air-release for cars. No. 1,241,649; Oct. 2; v. 243; p. 58.
- Moran, Michael V., et al. (See Donohue, James S., assignor.)
- Moran, Myles F., Lynn, Mass. Die and die-stock. No. 1,243,543; Oct. 16; v. 243; p. 726.
- Moran, Thomas P., et al. (See Patton, George S., assignor.)
- Moran, Thomas W., et al. (See Holden, John E., assignor.)
- Morando, Joseph R., New York, N. Y. Punching-bag platform. No. 1,224,658; May 1; v. 238; p. 193.
- Morano, Domenico, assignor, by mesne assignments, to Weser Bros. Inc., New York, N. Y. Tracking device for automatic musical instruments. No. 1,243,620; Oct. 16; v. 243; p. 749.
- Moraski, Ambrose, Houston, Mo. Compound engine. No. 1,239,029; Sept. 4; v. 242; p. 99.
- Moratta, Mathew, Princeton, Ind. Packing-ring. No. 1,229,498; June 12; v. 239; p. 427.
- Morava, Wensel, Chicago, Ill. Electric riveter. No. 1,251,266; Dec. 25; v. 245; p. 949.
- Morawitz, Hugo. (See Mittasch, Schneider, and Morawitz.)
- Morawski, Jan, Buenos Aires, Argentina. Preservation by refrigeration. No. 1,233,387; July 17; v. 240; p. 678.
- Morch, Anthony. (See Morch, John and A.)
- Morch, John and A., Brooklyn, N. Y. Automatic torpedo-guard. No. 1,249,170; Dec. 4; v. 245; p. 214.
- Morck, Axel, New York, N. Y. Horseshoe. No. 1,250,484; Dec. 18; v. 245; p. 668.
- Morck, Axel, Brooklyn, N. Y. Horseshoe. No. 1,250,485; Dec. 18; v. 245; p. 668.
- Morden, Charles W., Portland, Ore. Fixture for packages of folded paper or other material. No. 1,219,366; Mar. 13; v. 236; p. 551.
- Morden, Peter, Snover, Mich. Spring-motor. No. 1,249,990; Dec. 11; v. 245; p. 482.
- Morden, Stephen R., Idaho Falls, Idaho. Soot-remover. No. 1,242,838; Oct. 9; v. 243; p. 476.
- More, George, New York, and J. Pettigrew, Brooklyn, N. Y. Scaffolding. No. 1,211,863; Jan. 9; v. 234; p. 547.
- More, Glenn, assignor to The Blackstone Manufacturing Company, Jamestown, N. Y. Operating-gearing for washing-machines. No. 1,220,767; Mar. 27; v. 236; p. 1106.
- More, Glenn, assignor to The Blackstone Manufacturing Company, Jamestown, N. Y. Operating-gearing for washing-machines. No. 1,222,785; Apr. 17; v. 237; p. 697.
- More, Orlo S. (See Bailey, Barr, More, and Long.)
- Morehead, George G., San Jose, Cal. Ant-exterminator. No. 1,225,471; May 8; v. 238; p. 523.
- Morehead, Sarah, et al. (See Renzo, Francisco, assignor.)
- Morehouse, Cyrus E., Milwaukee, Wis. Binder. No. 1,250,203; Dec. 18; v. 245; p. 584.
- Morehouse, Cyrus E., Milwaukee, Wis. Binder. No. 1,250,204; Dec. 18; v. 245; p. 585.
- Moreira, Jose M., Lowell, Mass. Mail bag transferring apparatus. No. 1,245,493; Nov. 6; v. 244; p. 104.
- Moreland Advertising Company, The. (See Moreland, Bertram E., assignor.)
- Moreland, Bertram E., assignor to The Moreland Advertising Company, Chicago, Ill. Advertising device. No. 1,238,177; Aug. 28; v. 241; p. 954.
- Moreland, John E., et al. (See Donohue, James S., assignor.)
- Moreland, John H., Altoona, Pa. Antifriction-bearing. No. 1,211,956; Jan. 9; v. 234; p. 580.
- Moreland, Willis J., Skaneateles, N. Y. Draft-regulator. No. 1,246,770; Nov. 13; v. 244; p. 516.
- Morell, Alfred F., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Attachment for shuttle-changing looms. No. 1,220,671; Mar. 27; v. 236; p. 1074.
- Morelli, Enrico, assignor of one-half to D. Venosa, Jr., Cincinnati, Ohio. Wagon-dumping mechanism. No. 1,224,487; May 1; v. 238; p. 134.
- Morén, Karl H., Bofors, Sweden. Shell-fuse. No. 1,216,834; Feb. 20; v. 235; p. 915.
- Moreno, Edward H., et al. (See Cator, Henry E., assignor.)

Alphabetical list of patentees—Continued.

- Moreton, Henry H., Stony-Point, N. Y., assignor to Universal Lighting Systems Corporation. Acetylene-generating apparatus. No. 1,220,528; Mar. 27; v. 236; p. 1026.
- Morey, Charles B., and C. R. Craine, assignors to Larkin Company, Buffalo, N. Y. Making catalytic material. No. 1,232,830; July 10; v. 240; p. 461.
- Morey, Fred E., Baraboo, Wis. Cloth-bolt press. No. 1,230,200; June 19; v. 239; p. 697.
- Morey, Fred E., Baraboo, Wis. Winding-core for cloth-bolts. No. 1,233,800; July 17; v. 240; p. 812.
- Morey, Harry J., Syracuse, N. Y. Conduit-box receptacle. No. 1,214,553; Jan. 30; v. 234; p. 1503.
- Morey, Harry J., Syracuse, assignor to Pass & Seymour, Inc., Solvay, N. Y. Electric switch. No. 1,213,933; Jan. 30; v. 234; p. 1357.
- Morford, Albert W., New Monmouth, N. J. Tall-light. No. 1,222,442; Apr. 10; v. 237; p. 537.
- Morgal, John F., Dayton, Ohio. Pavement for roadways. No. 1,237,542; Aug. 21; v. 241; p. 717.
- Morgan, Abraham, Independence, Mo. Resilient wheel. No. 1,221,570; Apr. 3; v. 237; p. 200.
- Morgan, Abraham, Independence, Mo. Electric sign. No. 1,236,592; Aug. 14; v. 241; p. 373.
- Morgan, Charles N. (See Pettie, Adelbert W., Jr., assignor.)
- Morgan, Chauncey, West Milford, W. Va. Carbureter. No. 1,234,558; July 24; v. 240; p. 1094.
- Morgan Construction Company. (See Bloom, Arvid T., assignor.)
- Morgan Construction Company. (See Edwards, Victor E., assignor.)
- Morgan Construction Company. (See George, Jerome R., assignor.)
- Morgan Construction Company. (See Isley, George H., assignor.)
- Morgan Construction Company. (See Jefferies, Ebenezer A. W., assignor.)
- Morgan Construction Company. (See Lummis and Isley, assignors.)
- Morgan, Edmund C., Morgan Park, Ill. Mining-machine. No. 1,212,382; Jan. 16; v. 234; p. 755.
- Morgan, Edmund C., Chicago, Ill. Mining-machine. No. 1,233,494; July 17; v. 240; p. 714.
- Morgan Engineering Company. (See Haiss, Hugo, assignor.)
- Morgan Engineering Company, The. (See Reese, Carl N., assignor.)
- Morgan Engineering Company, The. (See Taylor, Clarence L., assignor.)
- Morgan, Gilbert T., London, assignor to Levinstein Limited, Manchester, England. Alkylarylamine production. No. 1,221,077; Apr. 3; v. 237; p. 26.
- Morgan, Harold H., assignor to George S. Johnston Co., Chicago, Ill. Cement. No. 1,221,571; Apr. 3; v. 237; p. 200.
- Morgan, Harry E., Newtown, New South Wales, Australia, assignor to J. R. Quilty, Abbotsford, New South Wales. Hose connection for air or water. No. 1,251,086; Dec. 25; v. 245; p. 896.
- Morgan, Henry S., Trenton, N. J., assignor to Pouvaill-Smith Corporation, Poughkeepsie, N. Y. Steering-wheel. No. 1,220,877; Mar. 27; v. 236; p. 1144.
- Morgan, Henry S., Trenton, N. J., assignor to Pouvaill-Smith Corporation, Poughkeepsie, N. Y. Steering-wheel. No. 1,220,878; Mar. 27; v. 236; p. 1144.
- Morgan, Howard, Philadelphia, Pa., assignor to L. H. Morgan, Hollywood, Louisville, Ky. Audible alarm for vehicles. No. 1,245,010; Oct. 30; v. 243; p. 1245.
- Morgan, James H. (See Reed and Morgan.)
- Morgan, John, assignor of one-half to L. Jones, New York, N. Y. Can-opener. No. 1,218,884; Mar. 13; v. 236; p. 387.
- Morgan, John C., Los Angeles, Cal. Spring-motor. No. 1,219,340; Mar. 13; v. 236; p. 541.
- Morgan, John C., Los Angeles, Cal. Electric generator. No. 1,229,308; June 12; v. 239; p. 364.
- Morgan, John C., Los Angeles, Cal. Hasp-fastener. No. 1,230,073; June 12; v. 239; p. 617.
- Morgan, John D., Summit, N. J., assignor to Steel Utilities, Incorporated. Metal-working machine. No. 1,241,253; Sept. 25; v. 242; p. 897.
- Morgan, John D., Summit, N. J., assignor to Steel Utilities, Incorporated. Machine for making templet-strips for metal-punching machines. No. 1,241,264; Sept. 25; v. 242; p. 902.
- Morgan, John D., Summit, and L. A. Hawthorne, Newark, N. J., assignors to Steel Utilities, Incorporated. Metal-working machine. No. 1,241,263; Sept. 25; v. 242; p. 901.
- Morgan, John H., Saranac Lake, N. Y. Tent-frame. No. 1,245,944; Nov. 6; v. 244; p. 241.
- Morgan, John W., Marysville, Cal. Disk plow. No. 1,226,793; May 22; v. 238; p. 1048.
- Morgan, L. H. (See Morgan, Howard, assignor.)
- Morgan, Lucy, Peck, Kans. Stove attachment. No. 1,226,567; May 15; v. 238; p. 933.
- Morgan, Philip. (See Holden and Morgan.)
- Morgan, Porter S., Norwalk, Conn., assignor to Momentum Brake Corporation, New York, N. Y. Take-up for momentum-brakes. No. 1,231,284; June 26; v. 239; p. 1099.
- Morgan, Richard E. (See Dade and Morgan.)
- Morgan, Richard J., Peoria, Ill. Sign. No. 1,226,357; May 15; v. 238; p. 867.
- Morgan, Theodore M., Minneapolis, Minn. Bottle-carrier. No. 1,228,348; May 29; v. 238; p. 1598.
- Morgan, Thomas W., Jr., et al. (See White, Tilmann, assignor.)
- Morgan, Victor G., assignor to P. W. Cowan, Los Angeles, Cal. Adjusting means for printing-press rollers. No. 1,240,078; Sept. 11; v. 242; p. 457.
- Morgan, Wallace M. (See Wheeler and Morgan.)
- Morgan, Wilbert H., New York. Film and photographic drier. No. 1,250,618; Dec. 18; v. 245; p. 709.
- Morgan, William. (See Mills and Morgan.)
- Morgan, William I., Seaford, N. Y. Screen for percolators. No. 1,213,232; Jan. 23; v. 234; p. 1087.
- Morgan, William J., St. Louis, Mo. Renewable inclosed fuse. No. 1,234,100; July 17; v. 240; p. 908.
- Morgan, William P., Grosse Ile, Mich. Apparatus for dusting poultry with insecticide. No. 1,219,842; Mar. 20; v. 236; p. 746.
- Morgan, William T., McKees Rocks, Pa. Rail-joint. No. 1,238,178; Aug. 28; v. 241; p. 954.
- Morgan & Wright. (See Cederstrom, Emil B., assignor.)
- Morgan & Wright. (See Christopherson, William G., assignor.)
- Morgan & Wright. (See Meyer, Erwin E. A. G., assignor.)
- Morgan & Wright. (See Meyer and Seiberling, assignors.)
- Morgan & Wright. (See Midgley, Thomas, assignor.)
- Morgan & Wright. (See Mulloy, John H., assignor.)
- Morgan & Wright. (See Saunders, Emmett A., assignor.)
- Morgan & Wright. (See Stowe, Benjamin L., assignor.)
- Morgan & Wright. (See Thompson, William, assignor.)
- Morgester, Ridgway P., Ridgway, Pa. Shoulder-rest for violins. No. 1,238,426; Aug. 28; v. 241; p. 1035.
- Morgridge, Lyman H., San Diego, Cal. Box-making machine. No. 1,214,814; Feb. 6; v. 235; p. 114.
- Mori, Ikunosuke, Los Angeles, Cal. Manually-operated power-boat. No. 1,244,068; Oct. 23; v. 243; p. 922.
- Morich, Robert, Kansas City, Mo. Street-box and pipe-valve key. No. 1,247,707; Nov. 27; v. 244; p. 856.
- Morin, Albert, Asnieres, France. Operating cam-shaft for valve distribution. No. 1,248,434; Nov. 27; v. 244; p. 1061.
- Morin, Ernest. (See Carlin, Samuel, assignor.)
- Morin, Joseph A., Springfield, Vt. Automobile tail-light. No. 1,225,472; May 8; v. 238; p. 523.
- Morison, Charles H., Newark, N. J. Safety-catch for cuff-buttions. No. 1,227,293; May 22; v. 238; p. 1217.
- Morison, Donald B., Hartlepool, England. Apparatus for discharging liquids from vessels. No. 1,232,370; July 3; v. 240; p. 278.
- Morison, Donald B., Hartlepool, England. Steam-condensing plant. No. 1,243,201; Oct. 16; v. 243; p. 625.
- Morison, Donald B., Hartlepool, England. Steam-condensing plant. No. 1,246,771; Nov. 13; v. 244; p. 516.
- Morison, George A., S. R. W. M. Bager, and O. F. Kaeser, Milwaukee, Wis., assignors to Bucyrus Company, South Milwaukee, Wis. Dipper. No. 1,249,805; Dec. 11; v. 245; p. 429.
- Moritz, George T., Brooklyn, N. Y. Cigarette-case. No. 1,225,473; May 8; v. 238; p. 523.
- Moritz, John D., Remsen, Iowa. Bucket-holder. No. 1,246,140; Nov. 13; v. 244; p. 328.
- Moritz, John D., Remsen, Iowa. End-gate fastener. No. 1,246,141; Nov. 13; v. 244; p. 329.
- Mork, Harry S., Brookline, Mass., assignor to American La France Fire Engine Company, Inc., Elmira, N. Y. Fire-extinguisher composition. No. 1,246,640; Nov. 13; v. 244; p. 479.
- Mork, Harry S., Brookline, Mass., assignor to American La France Fire Engine Company, Inc., Elmira, N. Y. Fire-extinguishing composition. No. 1,246,641; Nov. 13; v. 244; p. 480.
- Mork, Harry S., Brookline, Mass., assignor to American La France Fire Engine Company, Inc., Elmira, N. Y. Fire-extinguishing composition. No. 1,246,642; Nov. 13; v. 244; p. 480.
- Morkert, Walter A., Thompson Falls, Mont. Steering-gear. No. 1,226,568; May 15; v. 238; p. 933.
- Morkrum Company. (See Krum, Charles L. and H. L., assignors.)
- Morley, Joseph D., New York, N. Y., assignor to Scott & Williams, Incorporated, Camden, N. J. Machine for treating knitted webs. No. 1,213,527; Jan. 23; v. 234; p. 1189.
- Morlock, Albert J., Brooklyn, N. Y. Separator-press. No. 1,231,929; July 3; v. 240; p. 132.
- Morneau, Joseph P., Appleton, Wis. Sterilizing-case for pocket-thermometers. No. 1,247,440; Nov. 20; v. 244; p. 746.
- Moroney, Daniel M. (See Johnson, Vincent K., assignor.)
- Moroney, Lester, Manhattan Beach, Oreg. Attachment for talking-machines. No. 1,247,441; Nov. 20; v. 244; p. 746.
- Morrell, Walter C., et al. (See La Rock, John, assignor.)
- Morrill, Ernest L. (See Spendar, Napoleon, assignor.)
- Morrill, Margaret M., Santa Barbara, Cal. Detaining attachment for beds. No. 1,216,719; Feb. 20; v. 235; p. 876.
- Morrill, William C., New York, N. Y. Liquid-dispensing device. No. 1,235,913; Aug. 7; v. 241; p. 126.
- Morris, Albert W., Springfield, Mass. Forged casting and making the same. No. 1,222,786; Apr. 17; v. 237; p. 698.

- Morris, Albert W., Springfield, Mass. Aluminum alloy and article made therefrom. No. 1,227,174; May 22; v. 238; p. 1179.
- Morris, Albert W., Springfield, Mass. Automatic forging apparatus. No. 1,227,175; May 22; v. 238; p. 1179.
- Morris, Albert W., Philadelphia, Pa., assignor to Morris Process of New York, Incorporated, New York, N. Y. Casting-machine. No. 1,239,806; Sept. 11; v. 242; p. 375.
- Morris, Albert W., Springfield, Mass., assignor to Morris Process of New York, Incorporated, New York, N. Y. Die-casting machine. No. 1,239,807; Sept. 11; v. 242; p. 376.
- Morris, Albert W., Springfield, Mass., assignor to Morris Process of New York, Inc., New York, N. Y. Die casting or forging apparatus. No. 1,239,808; Sept. 11; v. 242; p. 376.
- Morris, Albert W., Springfield, Mass., assignor to Morris Process of New York, Incorporated, New York, N. Y. Manufacture of cartridge-cases. No. 1,239,809; Sept. 11; v. 242; p. 377.
- Morris, Alfred L., et al. (See Burns, John H., assignor.)
- Morris, Arthur. (See Boeckem, Fritz W. O., assignor.)
- Morris, Benjamin. (See Morris, William M. and B.)
- Morris, Bernard H., Newport News, Va. Making ventilator-terminals. No. 1,243,437; Oct. 16; v. 243; p. 694.
- Morris, Bernard H., Newport News, Va. Universal terminal for ventilation-pipes. No. 1,243,438; Oct. 16; v. 243; p. 694.
- Morris Bernhard Co. (See Cronenberg, William, assignor.)
- Morris, Charles A., Montclair, N. J., assignor to The Hayward Company. Hoisting and conveying apparatus. No. 1,235,834; Aug. 7; v. 241; p. 100.
- Morris, Charles A., deceased, Montclair, N. J.; C. R. Morris, executrix, assignor to The Hayward Company, New York, N. Y. Excavating system. No. 1,238,801; Sept. 4; v. 242; p. 25.
- Morris, Charles D., Norfolk, Va. Brake-beam. No. 1,215,397; Feb. 13; v. 235; p. 352.
- Morris, Charles E., assignor to C. W. Parker, Leavenworth, Kans. Carousel. No. 1,241,188; Sept. 25; v. 242; p. 859.
- Morris, Clara R., executrix. (See Morris, Charles A.)
- Morris & Company. (See Carlson and Hill, assignors.)
- Morris & Company. (See Trescott, Charles B., assignor.)
- Morris, Donald S., administrator. (See Miller, Frank S.)
- Morris, Eugene, Jr., Westport, Tenn. Running-gear. No. 1,218,885; Mar. 13; v. 236; p. 388.
- Morris, Frank F., Pittsburgh, and F. M. Luchs, Wilkinsburg, Pa., assignors to Drägerwerk, Heintz and Bernh. Dräger, Lübeck, Germany. Resuscitating device. No. 1,214,941; Feb. 6; v. 235; p. 161.
- Morris, Frank L., assignor of one-half to W. D. Peterson, Salt Lake City, Utah. Railway-tie. No. 1,211,957; Jan. 9; v. 234; p. 581.
- Morris, George K., Buffalo, N. Y. Jack or device for spreading cables and the like. No. 1,228,805; June 5; v. 239; p. 148.
- Morris, George W., Racine, Wis. Oil-pump indicator. No. 1,221,078; Apr. 3; v. 237; p. 26.
- Morris, Harrison R., Mapleton, Kans. Flying-machine. No. 1,236,741; Aug. 14; v. 241; p. 424.
- Morris, Henry C. (See Emerson and Morris.)
- Morris, Henry C., Dallas, Tex. Gas-meter attachment. No. 1,228,467; June 5; v. 239; p. 32.
- Morris, Howard I., assignor to The Savage Tire Company, San Diego, Cal. Stretching-machine. No. 1,219,026; Mar. 13; v. 236; p. 435.
- Morris, Hurd T., Wilkesburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,236,742; Aug. 14; v. 241; p. 425.
- Morris, Irl N., Kansas City, Mo. Salt and pepper dispenser. No. 1,219,475; Mar. 20; v. 236; p. 618.
- Morris, Isaac J., New York, N. Y. Crate. No. 1,214,815; Feb. 6; v. 235; p. 115.
- Morris, John D., Waynesboro, Va. Snow-plow. No. 1,214,942; Feb. 6; v. 235; p. 161.
- Morris, John V. (See Julian and Morris.)
- Morris, Jolly L., Crafton, Pa. Automatic weighing apparatus. No. 1,249,991; Dec. 11; v. 245; p. 483.
- Morris, Joseph L., Lawrence, Kans. Ball-bearing. No. 1,210,516; Jan. 2; v. 234; p. 48.
- Morris, Joseph W., West Frankfort, Ill. Window-sash holder. No. 1,226,569; May 15; v. 238; p. 933.
- Morris, Lewis G., Newport, R. I. Projection apparatus. No. 1,216,835; Feb. 20; v. 235; p. 915.
- Morris, Louis S., Bridgeport, Conn. Internal-combustion engine. No. 1,228,806; June 5; v. 239; p. 148.
- Morris, Louis S., Bridgeport, Conn. Internal-combustion engine. No. 1,249,806; Dec. 11; v. 245; p. 430.
- Morris, Melton, Dutton, Ala. Feed-regulator. No. 1,217,621; Feb. 27; v. 235; p. 1233.
- Morris, Orville M., Chicago, Ill. Photographic mask. No. 1,248,695; Dec. 4; v. 245; p. 79.
- Morris, Percy, London, England. Color-printing machine. No. 1,243,333; Oct. 16; v. 243; p. 663.
- Morris Process of New York. (See Morris, Albert W., assignor.)
- Morris, Robert B., assignor of one-third to W. O. Holcomb and one-third to F. S. Freeman, Harrisonville, Mo. Cotton-chopper. No. 1,227,294; May 22; v. 238; p. 1218.
- Morris, Samuel D., Mount Auburn, Ind. Rail-tongs. No. 1,246,142; Nov. 13; v. 244; p. 329.
- Morris, Samuel L. H., et al. (See Cleaver, Fremont J., assignor.)
- Morris, Shiras, and M. Guett, assignors to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric switch for lamp-sockets, &c. No. 1,222,886; Apr. 17; v. 237; p. 733.
- Morris, Thomas A., Llanelly, Wales. Truck or stand for use in annealing-furnaces. No. 1,234,789; July 31; v. 240; p. 1199.
- Morris, Thomas A., St. Paul, Minn., assignor, by mesne assignments, to International Harvester Company of New Jersey. Fiber-treating machine. No. 1,221,358; Apr. 3; v. 237; p. 126.
- Morris, Thomas C., Atlanta, Ga., assignor to P. Vredenburg, Jr., Vredenburg, Ala. Feeding-roller construction. No. 1,242,020; Oct. 2; v. 243; p. 176.
- Morris, Thomas L., Huntington, W. Va. Barrel-hoist. No. 1,217,047; Feb. 20; v. 235; p. 986.
- Morris, Thomas W., assignor of one-half to G. B. Dryden, Chicago, Ill. Tire-valve. No. 1,232,592; July 10; v. 240; p. 383.
- Morris, Walter, assignor of one-fourth to D. L. Harris, Wichita, Kans. Automobile gas-lock. No. 1,246,772; Nov. 13; v. 244; p. 517.
- Morris, William C., Hyattsville, Wyo. Wagon-brake. No. 1,233,102; July 10; v. 240; p. 549.
- Morris, William L., Fort Wayne, Ind. Lubricating mechanism. No. 1,227,481; May 22; v. 238; p. 1277.
- Morris, William L., Dale, Okla. Packet-holder. No. 1,245,494; Nov. 6; v. 244; p. 105.
- Morris, William M. and B., Milford, Conn. Garment-faster. No. 1,213,677; Jan. 23; v. 234; p. 1241.
- Morrison, Arthur S. (See Dessau, Morland M., assignor.)
- Morrison, Bertie A., and J. H. Duis, Flanagan, Ill. Automobile-light-circuit controller. No. 1,248,375; Nov. 27; v. 244; p. 1045.
- Morrison, Charles D., assignor to The Indiana Manufacturing Company, Indianapolis, Ind. Device for reclaiming grain. No. 1,230,757; June 19; v. 239; p. 882.
- Morrison, Clarence E., Albany, N. Y. Rotary duplicating-machine. No. 1,227,176; May 22; v. 238; p. 1179.
- Morrison, Edith E., New York, N. Y. Toy. No. 1,237,940; Aug. 21; v. 241; p. 843.
- Morrison, George O., and W. Thompson, Toronto, Ontario, Canada. Sectional reinforcing electroplating-machine. No. 1,220,260; Mar. 27; v. 236; p. 930.
- Morrison, James W., and T. W. Holt, Stalybridge, England. Yarn-winding machinery. No. 1,237,367; Aug. 21; v. 241; p. 662.
- Morrison, John. (See Clayton and Morrison.)
- Morrison, John C., Spokane, Wash. Luggage-rack for automobiles. No. 1,217,807; Feb. 27; v. 235; p. 1296.
- Morrison, John C., Spokane, Wash. Luggage-carrier. No. 1,232,371; July 3; v. 240; p. 278.
- Morrison, Joseph S., Wallport, Oreg. Ore-separator. No. 1,227,552; May 22; v. 238; p. 1302.
- Morrison, Lewis E., Newark, N. J., assignor to Humana Company. Printing-machine. No. 1,245,759; Nov. 6; v. 244; p. 186.
- Morrison, Marvin W., Scottsville, Ky. Device for raising buckets from wells. No. 1,250,619; Dec. 18; v. 245; p. 709.
- Morrison, Oscar P., Maud, assignor to Morrison Tie Plate Company, Texarkana, Tex. Tie-plate for railway-rails. (Reissue.) No. 14,358; Sept. 11; v. 242; p. 490.
- Morrison, Oscar P., assignor of one-half to V. D. Glass, Bloomburg, Tex. Switch-point hold-down. No. 1,240,588; Sept. 18; v. 242; p. 655.
- Morrison, Seymour, and F. H. Fitch, Indianapolis, Ind. Art-stage. No. 1,215,962; Feb. 13; v. 235; p. 558.
- Morrison Tie Plate Company. (See Morrison, Oscar P., assignor.) (Reissue.)
- Morrison, William, Des Moines, Iowa. Storage-battery electrode or grid. No. 1,227,295; May 22; v. 238; p. 1218.
- Morrison, William, assignor to Vesta Accumulator Company, Chicago, Ill. Dynamo-electric clutch. (Reissue.) No. 14,271; Mar. 13; v. 236; p. 573.
- Morrison, William, assignor to Vesta Accumulator Company, Chicago, Ill. Centrifugally-regulated power-transmission system. (Reissue.) No. 14,270; Mar. 13; v. 236; p. 571.
- Morrison, William, assignor to Vesta Accumulator Company, Chicago, Ill. Power-transmission system. (Reissue.) No. 14,282; Apr. 3; v. 237; p. 284.
- Morrison, William, Chicago, Ill., assignor to Vesta Accumulator Company, Wood separator for storage-battery plates. No. 1,228,368; May 29; v. 238; p. 1605.
- Morrison, William, Chicago, Ill., assignor to Vesta Accumulator Company. Separator for storage-battery plates. No. 1,228,369; May 29; v. 238; p. 1605.
- Morrison, William A., Huntsville, Mo. Rake and loader. No. 1,237,543; Aug. 21; v. 241; p. 718.
- Morrissey, Arthur R., Seattle, assignor of one-third to E. R. Gerber, King county, Wash. Sander for vehicles. No. 1,217,202; Feb. 27; v. 235; p. 1085.
- Morrison, John D. (See Kinsley, Morrison, and Haynes.)

Alphabetical list of patentees—Continued.

- Morrow, Alfred J., Vancouver, British Columbia, Canada. Stevedore's peavy. No. 1,215,180; Feb. 6; v. 235; p. 242.
- Morrow, George, *et al.* (See Barrett, Clarence, assignor.)
- Morrow, George C. (See Waddell and Morrow.)
- Morrow, George H., Portland, Oreg. Spring-compressor. No. 1,249,653; Dec. 11; v. 245; p. 384.
- Morrow, George N., De Begue, Colo. Tongs. No. 1,218,297; Mar. 6; v. 236; p. 144.
- Morrow, John B., Bay Shore, N. Y. Pipe. No. 1,224,488; May 1; v. 238; p. 134.
- Morrow, Lloyd E., Sanford, Fla. Vehicle-spring. No. 1,212,987; Jan. 16; v. 234; p. 969.
- Morrow, Wesley W., and C. H. Burgett, Prescott, Ariz. Grease-cup. No. 1,213,678; Jan. 23; v. 234; p. 1241.
- Morrow, William C., Des Moines, N. Mex. Gradometer. No. 1,219,341; Mar. 13; v. 236; p. 542.
- Morrow, William H., Milan, Mo. Plumb-level. No. 1,236,743; Aug. 14; v. 241; p. 425.
- Morse, Albert W., New York, N. Y. Grease-gun. No. 1,248,526; Dec. 4; v. 245; p. 28.
- Mors, Frank E., Detroit, Mich. Nailless combination window shade and curtain hanger. No. 1,216,592; Feb. 20; v. 235; p. 834.
- Morse, Albert W., assignor to The Nathan Manufacturing Company, New York, N. Y. Water-gage. No. 1,234,924; July 31; v. 240; p. 1241.
- Morse, Amelia, New York, N. Y. Doll. No. 1,212,093; Jan. 9; v. 234; p. 622.
- Morse Chain Company. (See Morse, Frank L., assignor.)
- Morse Chain Company. (See Phillips and Allingham, assignors.)
- Morse, Charles A., and E. H. Bell, Chicago, Ill. Tie-plate. No. 1,246,980; Nov. 20; v. 244; p. 614.
- Morse, Charles H., Jr., Chicago, Ill., and F. G. Hobart, Beloit, Wis., assignors to Fairbanks, Morse & Company, Chicago, Ill. Combined pump and reservoir. No. 1,240,079; Sept. 11; v. 242; p. 457.
- Morse, Charles H., Jr., Chicago, Ill., and F. G. Hobart, Beloit, Wis., assignors to Fairbanks, Morse & Co., Chicago, Ill. Priming device. No. 1,240,080; Sept. 11; v. 242; p. 458.
- Morse, Charles W., Brooklyn, N. Y. Safety pulley-line extension. No. 1,233,280; July 10; v. 240; p. 606.
- Morse, Frank L., Ithaca, N. Y. Valve mechanism for gas engines. No. 1,210,672; Jan. 2; v. 234; p. 103.
- Morse, Frank L., Ithaca, N. Y. Golf-practising machine. No. 1,229,309; June 12; v. 239; p. 364.
- Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Adjustable bearing for sprocket-wheels. No. 1,218,686; Mar. 13; v. 236; p. 313.
- Morse, Frank L., assignor to Morse Chain Company, Ithaca, N. Y. Shaft-coupling. No. 1,244,533; Oct. 30; v. 243; p. 1099.
- Morse, Frederick H., assignor to Allen-Chapman Company, Boston, Mass. Therapeutical appliance. No. 1,212,541; Jan. 16; v. 234; p. 811.
- Morse, George O., Des Moines, Iowa, assignor of one-sixth to A. M. Linn, one-sixth to D. Jarvis, and one-sixth to W. W. Horras. Making material for puncture-proof tires. No. 1,239,291; Sept. 4; v. 242; p. 183.
- Morse, George W., Park City, Utah. Dirigible vehicle-headlight. No. 1,213,399; Jan. 23; v. 234; p. 1145.
- Morse, Harry J., Norwich, Conn. Lamp-burner attachment. No. 1,225,474; May 8; v. 238; p. 523.
- Morse, Harry W. (See Greenway and Morse.)
- Morse, Laurence Z., Shelton, Conn. Electric bicycle-lamp. No. 1,220,359; Mar. 27; v. 236; p. 967.
- Morse, Leo, New York, N. Y. Wheeled figure toy. No. 1,223,287; Apr. 17; v. 237; p. 866.
- Morse, Lulan S., Oceanpark, Cal. Tire-tread fastener. No. 1,238,553; Aug. 28; v. 241; p. 1077.
- Morse, Mark S., assignor to Railway Specialties Company, Los Angeles, Cal. Wigwag signal. No. 1,228,581; June 5; v. 239; p. 70.
- Morse, Robert V., Ithaca, N. Y. Turbo-generator for ships. No. 1,225,992; May 15; v. 238; p. 739.
- Morse, William F., Rochester, assignor to Huntley Manufacturing Company, Silver Creek, N. Y. Fruit-pitting machine. No. 1,244,757; Oct. 30; v. 243; p. 1168.
- Morsman, Herman A. (See Haywood, Wirt L., assignor.)
- Mortara, Odo, Chicago, Ill. Corset-stay tip. No. 1,240,998; Sept. 25; v. 242; p. 817.
- Mortara, Ugo, assignor to Kablo Corset Company, Chicago, Ill. Mounting for clasp-stays. No. 1,240,240; Sept. 18; v. 242; p. 548.
- Mortensen, Hans L., Rockford, Ill. Ice-creeper. No. 1,247,860; Nov. 27; v. 244; p. 901.
- Mortensen, Hans M. (See Brainard and Mortensen.)
- Mortenson, Nick L., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,227,177; May 22; v. 238; p. 1180.
- Mortenson, Tillie. (See Wendell and Mortenson.)
- Morter, Lycurgus W., Sedalia, assignor of one-third to X. Farrar and one-third to H. S. Mitchell, London, Ohio. Portable loader. No. 1,222,973; Apr. 17; v. 237; p. 762.
- Mortrud, Einar, Jellöen, Norway. Wood-pulp boiler. No. 1,228,950; June 5; v. 239; p. 194.
- Mortier, Georges A., Fulwood, Preston, England. Tire for vehicles. No. 1,247,988; Nov. 27; v. 244; p. 937.
- Mortimer, Harry G., New York, N. Y. Engine. No. 1,215,963; Feb. 13; v. 235; p. 558.
- Mortimer, Leonard, Boston, Mass. Lifting-jack. No. 1,216,157; Feb. 13; v. 235; p. 628.
- Mortland, Ross R., and W. S. Kall, Scio, Ohio. Folding crate. No. 1,240,757; Sept. 18; v. 242; p. 708.
- Morton, Albert H., Lowell, Mass. Thread-board for spinning, twisting, and the like machines. No. 1,214,211; Jan. 30; v. 234; p. 1452.
- Morton, Charles P., Cincinnati, Ohio. Cutter-head. No. 1,226,686; May 22; v. 238; p. 1010.
- Morton, David N., Mitchell, Nebr. Wagon-jack and wrench. No. 1,239,936; Sept. 11; v. 242; p. 417.
- Morton, Edward F. (See Moore and Morton.)
- Morton, George Y., San Francisco, Cal. Chaser and reamer. No. 1,228,951; June 5; v. 239; p. 194.
- Morton, Harold A. (See Hibbert and Morton.)
- Morton, Harold D., Mitchell, Nebr. Poison-label. No. 1,221,572; Apr. 3; v. 237; p. 201.
- Morton, Henry E., Muskegon Heights, Mich. Head for draw-cut shapers. No. 1,218,951; Mar. 13; v. 236; p. 408.
- Morton, Houston S., Detroit, Mich. Safety device for moving-picture machines. No. 1,230,201; June 19; v. 239; p. 698.
- Morton, Lawrence D., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Package-sealing machine. (Reissue.) No. 14,267; Mar. 6; v. 236; p. 252.
- Morton, Melvin D., Gauley Mills, W. Va. Circuit-closer for combination-locks and burglar-alarms. No. 1,249,992; Dec. 11; v. 245; p. 483.
- Morton, Orville. (See Anderson, John A., assignor.)
- Morton, Reginald J., Springfield, Mass. Dimmer device for automobile-headlights. No. 1,218,104; Mar. 6; v. 236; p. 75.
- Morton, Rolla A., Galion, Ohio. Plow draw-bar head and leveler for tractors. No. 1,240,758; Sept. 18; v. 242; p. 708.
- Morton, Tazewell S., Birmingham, Ala. Detachable grass-catcher for lawn-mowers. No. 1,211,740; Jan. 9; v. 234; p. 499.
- Morton, Thomas F., Sabinsville, Pa. Dirigible headlight attachment for automobiles. No. 1,240,759; Sept. 18; v. 242; p. 708.
- Morton, Thomas S., Tuxedo Park, N. Y. Adjustable oar-lock. No. 1,213,233; Jan. 23; v. 234; p. 1087.
- Morton, Thomas S., Tuxedo Park, N. Y. Tub-securing support. No. 1,230,425; June 19; v. 239; p. 771.
- Morton, Victoria, New York, N. Y. Garbage-pail. No. 1,218,574; Mar. 6; v. 236; p. 237.
- Morton, William H., and M. Robinson, Newark, N. J. Cotton-gin. No. 1,233,103; July 10; v. 240; p. 549.
- Morwitz, Joseph, Philadelphia, Pa. Hydraulic press. No. 1,230,013; June 12; v. 239; p. 597.
- Mosby, Alfred D., assignor to Marsh-Capron Manufacturing Company, Chicago, Ill. Apparatus for distributing concrete. No. 1,222,016; Apr. 10; v. 237; p. 386.
- Mosca, Alfons, Norfolk, Va. Ice-shaving machine. No. 1,251,087; Dec. 25; v. 245; p. 896.
- Mosca, Joseph, Rouse, Colo. Tractor. No. 1,230,014; June 12; v. 239; p. 597.
- Moschel, Charles, Cincinnati, Ohio. Motor-cycle jack. No. 1,220,672; Mar. 27; v. 236; p. 1075.
- Moscow, Stella, Brooklyn, N. Y. Light-proof and sanitary skirt. No. 1,228,807; June 5; v. 239; p. 148.
- Mosedale, William. (See Clark, Albert C. S., assignor.)
- Moseley, Arnold, London, England. Trial-frame. No. 1,222,017; Apr. 10; v. 237; p. 387.
- Moser, Andrew, Hickman, Nebr. Leveling device. No. 1,220,261; Mar. 27; v. 236; p. 930.
- Moser, Fred, assignor of one-half to C. P. Braim, Auburn, N. Y. Nut-lock. No. 1,235,717; Aug. 7; v. 241; p. 59.
- Moser, H. Oliver, *et al.* (See Snyder, Charles P., assignor.)
- Moser, Vern I., Wichita, Kans. Bottle-vent. No. 1,243,963; Oct. 23; v. 243; p. 890.
- Moses, Abraham, Baltimore, Md. Card-index. No. 1,233,388; July 17; v. 240; p. 678.
- Moses, Alfred S., *et al.* (See Lane, Frederick H., assignor.)
- Moses, Asheleigh S. (See Walker and Moses.)
- Moses, Asheleigh S., assignor to National Lead Company, St. Louis, Mo. Machine for printing labels directly on buckets. No. 1,247,563; Nov. 20; v. 244; p. 779.
- Moses, Byron. (See Crawford and Moses.)
- Moses, Edmund O. (See Hammond and Moses.)
- Moses, Percival R. (See Beckett, John S., assignor.)
- Mosher, Charles P., Brooklyn, N. Y., assignor to Corona Typewriter Company, Inc. Type-writing machine. No. 1,222,443; Apr. 10; v. 237; p. 537.
- Mosher, Edward H., South Paris, Me. Folding table. No. 1,233,389; July 17; v. 240; p. 679.
- Mosher, Ira S., Chicago, Ill. Automobile-ambulance. No. 1,241,418; Sept. 25; v. 242; p. 948.
- Moskovics, Fredrick E., assignor to The New Departure Manufacturing Company, Bristol, Conn. Gearing. No. 1,215,047; Feb. 6; v. 235; p. 200.
- Moskowitz, Rudolph, assignor of one-half to J. Gewirtz, New York, N. Y. Expanded tire. No. 1,217,486; Feb. 27; v. 235; p. 1184.
- Mosler, Arthur R., New York, assignor to A. R. Mosler & Co., Yonkers, N. Y. Spark-plug. No. 1,218,298; Mar. 6; v. 236; p. 144.

- Mosler, Moses, Cincinnati, and C. Bartels, Hamilton, Ohio, assignors to The Mosler Safe Company, New York, N. Y. Safe-door. No. 1,238,427; Aug. 28; v. 241; p. 1035.
- Mosler Safe Company, The. (See Mosler and Bartels, assignors.)
- Mosley, Harley C., Portsmouth, Ohio, assignor to Whitaker-Glessner Company, Wheeling, W. Va. Controlling apparatus for electric motors. No. 1,232,372; July 3; v. 240; p. 278.
- Mosling, Bernhard A. (See Besserdich, William A., assignor.) (Reissue.)
- Mosman, Eula A., Allegany, N. Y. Desk. No. 1,239,937; Sept. 11; v. 242; p. 417.
- Moss, Albert A., Newark, assignor of one-half to L. J. Walter, Elizabeth, N. J. Car-coupling. No. 1,228,691; June 5; v. 239; p. 108.
- Moss, Benjamin J., Baltimore, Md. Attachment for meat-grinders. No. 1,235,995; Aug. 7; v. 241; p. 152.
- Moss, Charles M. (See Hayes and Moss.)
- Moss, Charles R., Richmond, Va. Dust-pan. No. 1,240,241; Sept. 18; v. 242; p. 548.
- Moss, Ernest, Christchurch, New Zealand. Inking means for use in postal franking and like machines. No. 1,232,881; July 10; v. 240; p. 461.
- Moss, Francis E., Worthington, near Wigan, England. Apparatus for separating solid matters from fluids or fluids from fluids. No. 1,240,081; Sept. 11; v. 242; p. 458.
- Moss, Francis E., Worthington, near Wigan, England. Tobacco-pipe and the like. No. 1,249,171; Dec. 4; v. 245; p. 214.
- Moss, Fred L. (See Hawley and Moss.)
- Moss, Isidor, Brookline, Mass. Snap-fastener. No. 1,242,579; Oct. 9; v. 243; p. 395.
- Moss, Louis N., New York, N. Y. Ventilating-screen for windows. No. 1,234,925; July 31; v. 240; p. 1242.
- Moss, Moses J., New York, N. Y. Cloth steaming and folding apparatus. No. 1,247,311; Nov. 20; v. 244; p. 708.
- Mossinghoff, Bernard H., St. Louis, Mo. Flush-valve. No. 1,233,595; July 17; v. 240; p. 748.
- Mossman, Roy L., Humboldt, Tenn. Calipers. No. 1,225,475; May 8; v. 238; p. 523.
- Mossman, Wilbur, Oreana, Idaho. Wagon-brake lever. No. 1,241,419; Sept. 25; v. 242; p. 948.
- Mosteller, Dosier H., and C. E. Kennedy, Chicago, Ill. Envelop-sealing device. No. 1,226,238; May 15; v. 238; p. 824.
- Mote, Horace, Cleveland, Ohio. Demountable and separable vehicle-wheel rim. No. 1,229,639; June 12; v. 239; p. 476.
- Motion Display Corporation. (See McDonald, Leslie R., assignor.)
- Motion Picture Properties Company. (See De Moos, Charles, assignor.)
- Motoculture Ltd. (See Meyenburg, Konrad V. von, assignor.)
- Motor-Compressor Company, The. (See Spohrer, Gregory J., assignor.)
- Motor Development Company. (See Bruah, Howard R., assignor.)
- Motor Ignition & Devices Company. (See Milton, John L., assignor.)
- Motor Patents Company. (See Perrin, John G., assignor.)
- Motor Terminals Company, The. (See Fitch, Benjamin F., assignor.)
- Motors Lock Company of America. (See Swyers, Brice P., assignor.)
- Motsinger, Homer N., La Fayette, Ind. Carbureter. No. 1,224,489; May 1; v. 238; p. 135.
- Mott, Abram C., Jr., Lansdale, Pa. Top plate and cover for gas-stoves. No. 1,242,021; Oct. 2; v. 243; p. 176.
- Mott, James L., Jr., Hempstead, assignor of one-half to Lewis K. Klemm, Jr., East Hempstead, Long Island, N. Y. Fly-swatter. No. 1,237,081; Aug. 14; v. 241; p. 532.
- Mott, Milton. (See Krieger and Mott.)
- Mott, Otis W., assignor of one-half to Jackson Rim Company, Jackson, and one-half to Detroit Demountable Rim Co., Detroit, Mich. Demountable rim. No. 1,248,887; Dec. 4; v. 245; p. 136.
- Mott, Raymond C., and J. Alexander, Clinton, Ind. Hay-press. No. 1,221,573; Apr. 3; v. 237; p. 201.
- Mott, Samuel D., Passaic, assignor of one-half to A. B. Sullivan, Allendale, N. J. Sound-reproducing apparatus. No. 1,247,861; Nov. 27; v. 244; p. 901.
- Mott, Samuel D., Passaic, assignor of one-half to A. B. Sullivan, Allendale, N. J. Air-propeller. No. 1,248,151; Nov. 27; v. 244; p. 982.
- Mott, William R., Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Arc-lamp electrode. No. 1,235,996; Aug. 7; v. 241; p. 152.
- Mott, William R., Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Arc-lamp electrode. No. 1,239,810; Sept. 11; v. 242; p. 377.
- Mott, William R., Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Arc-lamp electrode. No. 1,244,358; Oct. 23; v. 243; p. 1008.
- Mott, William R., Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Arc-lamp electrode. No. 1,244,359; Oct. 23; v. 243; p. 1008.
- Motter, Charles, Kansas City, Mo. Combined tie-plate and rail-brace. No. 1,246,773; Nov. 13; v. 244; p. 517.
- Mottlau, August J., assignor to G. E. M. Engineering Company, Philadelphia, Pa. Automatic camera. No. 1,235,997; Aug. 7; v. 241; p. 152.
- Mottlau, August J., assignor to G. E. M. Engineering Company, Philadelphia, Pa. Automatic camera. No. 1,241,650; Oct. 2; v. 243; p. 58.
- Motz, Mary G., Hillsdale, N. J. Corset. No. 1,228,808; June 5; v. 239; p. 149.
- Mounawad, John J., Newark, N. J. Automatic match-box. No. 1,245,945; Nov. 6; v. 244; p. 241.
- Mouche, Emile A., Lyon, France. Inclined saw. No. 1,244,231; Oct. 23; v. 243; p. 971.
- Mouche, Emile A., Lyon, France. Inclined saw. No. 1,244,232; Oct. 23; v. 243; p. 971.
- Moul, Martin, Hanover, Pa. Safety-gate for elevators. No. 1,245,946; Nov. 6; v. 244; p. 242.
- Mould, Edmund F., assignor to The Adams-Bagnall Electric Company, Cleveland, Ohio. Shade-holder. No. 1,210,673; Jan. 2; v. 234; p. 103.
- Moulder, George C. (See Greenstreet and Moulder.)
- Moulton, Edwin W. (See Moulton, Warren B. and E. W.)
- Moulton, Warren B. and E. W., Riverside, Cal. Vehicle direction-indicator. No. 1,214,058; Jan. 30; v. 234; p. 1402.
- Moumblow, Ernest L. (See Macfadden and Moumblow.)
- Mouneyrat, Antoine, Paris, France. Organic arsenophosphorous compounds and making same. No. 1,232,373; July 3; v. 240; p. 279.
- Mounsey, William E. (See Mensching, Carl, assignor.)
- Mountford, Edwin, York, Pa., assignor to The Dentists' Supply Company. Artificial tooth and making same. No. 1,224,195; May 1; v. 238; p. 28.
- Mountford, Edwin, York, Pa., assignor to The Dentists' Supply Company. Mold for making artificial teeth. No. 1,224,490; May 1; v. 238; p. 135.
- Mountford, G. T., et al. (See Hall, James T., assignor.)
- Mouradian, Hughes, Philadelphia, Pa., assignor to American Telephone and Telegraph Company, Boston, Mass. Locating special transposition-points. No. 1,228,468; June 5; v. 239; p. 32.
- Mourer, Charles W. (See Strom and Mourer.)
- Moutier, Ernest A. (See Monard, Moutier, and Dumartin.)
- Moving Advertisement Company. (See Hayes, Albert, assignor.)
- Movsessian, Missak. (See Vincent, Joseph E., assignor.)
- Movshovitz, Max. (See Cherry, Edward E., assignor.)
- Mowbray, Winfred B. (See Johnston, Benjamin F., assignor.)
- Mower, Edward I., Cresson, Pa. Resilient wheel. No. 1,240,357; Sept. 18; v. 242; p. 585.
- Mowrey, J. H. (See Bell, Silas D., assignor.)
- Mowry, Edward, Sterling, Ill., assignor to International Harvester Company of New Jersey. Hitch for trailing vehicles. No. 1,226,687; May 22; v. 238; p. 1011.
- Mowry, Edward, Sterling, Ill., assignor to International Harvester Company of New Jersey. Hay-loader. No. 1,229,640; June 12; v. 239; p. 477.
- Mowry, Edward, Sterling, Ill., assignor to International Harvester Company of New Jersey. Hay-loader. No. 1,250,337; Dec. 18; v. 245; p. 624.
- Mowry, Joseph B., Cleveland, Ohio. Regrinding device for the valves of explosion-engines. No. 1,228,582; June 5; v. 239; p. 71.
- Mowry, Joseph B., Cleveland, Ohio. Combined check and globe valve and trimmer. No. 1,244,758; Oct. 30; v. 243; p. 1168.
- Mowry, Robert D., Chicago, Ill. Storage battery. No. 1,232,710; July 10; v. 240; p. 422.
- Moxon, Harold P., Binghamton, N. Y. Film-packed camera. No. 1,245,760; Nov. 6; v. 244; p. 186.
- Moyer, David A., Birdsboro, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Toe-rest for turnshoe work. No. 1,224,196; May 1; v. 238; p. 29.
- Moyer, David A., Birdsboro, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-shaping. No. 1,224,197; May 1; v. 238; p. 29.
- Moyer, David A., Birdsboro, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-shaping means. No. 1,224,198; May 1; v. 238; p. 29.
- Moyer, Eli N., Toronto, Ontario, Canada. School desk and seat. No. 1,246,981; Nov. 20; v. 244; p. 615.
- Moyer, Erwin G., Chalfont, Pa. Mail-catcher. No. 1,251,267; Dec. 25; v. 245; p. 949.
- Moyer, Fredellia H., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Ring-truing machine. No. 1,220,360; Mar. 27; v. 236; p. 967.
- Moyer, Harry J., Philadelphia, Pa. Jigger for separating coal and slate. No. 1,225,157; May 8; v. 238; p. 414.
- Moyer, Harry J., Philadelphia, Pa. Movable-bottom-screen jigger. No. 1,225,158; May 8; v. 238; p. 415.
- Moyer, Harry J., Philadelphia, Pa. Stabilized movable bottom for jiggers. No. 1,225,159; May 8; v. 238; p. 415.
- Moyer, John T. (See Crawford, Rufus C., assignor.)
- Moyer, Malcolm B., Montevideo, Minn. Sure-stop attachment for stanchions. No. 1,215,398; Feb. 13; v. 235; p. 352.
- Moyer, Malcolm B., Montevideo, Minn. Ventilator. No. 1,246,774; Nov. 13; v. 244; p. 517.
- Moyer, Paul S., assignor to The Aridor Company, Chicago, Ill. Means for preserving prepared cereal, cereal products, and the like. No. 1,222,656; Apr. 17; v. 237; p. 654.

Alphabetical list of patentees—Continued.

- Moyers, Guy C. (See Davis and Moyers.)
 Moyes, John. (See Stevenson and Moyes.)
 Moyle, William J., Houghton, Mich. Bird-trap. No. 1,215,048; Feb. 6; v. 235; p. 200.
 Moynihan, Andrew. (See Gillies and Moynihan.)
 Moyses, Henry J., Gateshead, England, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Roller-bearing. No. 1,250,620; Dec. 18; v. 245; p. 709.
 Mozdzierz, Aloysius, New Haven, Conn. Figure wheeled toy. No. 1,230,202; June 19; v. 239; p. 698.
 Mozingo, William H., Hurdland, assignor of one-half to A. E. Easley, La Plata, Mo. Door-lock. No. 1,245,367; Nov. 6; v. 244; p. 67.
 Mozur, Stanislaw, Erie, Pa. Flushing-cuspidor. No. 1,230,314; June 19; v. 239; p. 735.
 Mrasek, Vincent, Burbank, Fla. Stovepipe-shelf. No. 1,239,938; Sept. 11; v. 242; p. 418.
 Mrozinski, Antoni, New York, N. Y. Mill-pick jig. No. 1,217,808; Feb. 27; v. 235; p. 1296.
 Muchow, William M., Evanston, Ill. Dental-floss holder. No. 1,219,986; Mar. 20; v. 236; p. 797.
 Muchow, William M., Evanston, Ill. Tooth-cleaning instrument. No. 1,233,687; July 17; v. 240; p. 777.
 Muckenbirt, Charles H., Detroit, Mich. Light-diffuser for automobile-headlights. No. 1,233,495; July 17; v. 240; p. 714.
 Muckenbirt, Charles H., Detroit, Mich., assignor to Standard Sanitary Manufacturing Co., Pittsburgh, Pa. Water-closet bowl. No. 1,215,049; Feb. 6; v. 235; p. 201.
 Muckenbirt, Charles H., Detroit, Mich., assignor to The Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Soil-pipe-sealing device for closet-bowls and the like. No. 1,218,201; Mar. 6; v. 236; p. 109.
 Muckenbirt, Charles H., Detroit, Mich., assignor, by mesne assignments, to The Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Water-closet bowl. No. 1,221,359; Apr. 3; v. 237; p. 126.
 Muckenbirt, Charles H., Detroit, Mich., assignor to The Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Valve mechanism for flushing-tanks. No. 1,224,491; May 1; v. 238; p. 135.
 Muckenbirt, Charles H., Detroit, Mich., assignor to The Standard Sanitary Manufacturing Company, Pittsburgh, Pa. Flushing closet-bowls. No. 1,251,268; Dec. 25; v. 245; p. 950.
 Muckenhirt, William. (See Peterson, Peter, assignor.)
 Muckey, Earle A., assignor of one-half to E. W. Beardsley, San Francisco, Cal. High-tension line-switch. No. 1,246,303; Nov. 13; v. 244; p. 377.
 Muckey, Floyd S., New York, N. Y., assignor to Muckey Patents Corporation. Sound production. No. 1,236,969; Aug. 14; v. 241; p. 497.
 Muckey, Floyd S., New York, N. Y., assignor to Muckey Patents Corporation. Sound-box. No. 1,236,970; Aug. 14; v. 241; p. 497.
 Muckey Patents Corporation. (See Muckey, Floyd S., assignor.)
 Muckle, Emil, assignor to Waterbury Clock Co., Waterbury, Conn. Hammer-wire and hub therefor for clock-movements. No. 1,213,234; Jan. 23; v. 234; p. 1087.
 Mucklé, John S., and T. H. Straley, assignors to Standard Elevator Interlock Company, Philadelphia, Pa. Interlocking mechanism for elevators. No. 1,222,444; Apr. 10; v. 237; p. 537.
 Muckle, Theodore W., assignor to W. W. Case, Jr., Denver, Colo. Rivet-forging. No. 1,230,593; June 19; v. 239; p. 829.
 Muckleroy, Allie B., Nacogdoches, Tex. Garden-hoe cultivator. No. 1,234,485; July 24; v. 240; p. 1071.
 Mudd, Frank X., Chicago, Ill. Shock-absorber. No. 1,241,468; Sept. 25; v. 242; p. 962.
 Mudge, Burton W. (See Levy and Mudge.)
 Muehlberg, Karl O., Manitowoc, Wis. Pipe-coupling. No. 1,211,741; Jan. 9; v. 234; p. 500.
 Muehlberg, Karl O., Manitowoc, Wis. Tube-coupling. No. 1,217,203; Feb. 27; v. 235; p. 1085.
 Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical composing-machine. No. 1,212,542; Jan. 16; v. 234; p. 812.
 Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Distributing mechanism of typographical composing-machines. No. 1,214,354; Jan. 30; v. 234; p. 1504.
 Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical composing and distributing machine. No. 1,221,360; Apr. 3; v. 237; p. 126.
 Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical composing and distributing machine. No. 1,221,361; Apr. 3; v. 237; p. 127.
 Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Distributing mechanism of typographical composing-machines. No. 1,222,018; Apr. 10; v. 237; p. 387.
 Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Multiple-magazine typographical composing-machine. No. 1,222,120; Apr. 10; v. 237; p. 421.
 Muehleisen, Carl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Distributing mechanism of typographical composing-machines. No. 1,228,228; May 29; v. 238; p. 1558.
 Muehleisen, Carl, and C. A. Albrecht, Berlin, Germany, assignors to Mergenthaler Linotype Company. Distributing mechanism of typographical composing-machines. No. 1,222,019; Apr. 10; v. 237; p. 387.
 Muehleisen, Carl, and C. A. Albrecht, Berlin, Germany, assignors to Mergenthaler Linotype Company. Distributing mechanism of typographical composing-machines. No. 1,223,229; May 29; v. 238; p. 1558.
 Muehleisen, Carl, and C. A. Albrecht, Berlin, Germany, assignors to Mergenthaler Linotype Company. Apparatus for producing perforated strips for controlling selectively operated machines. No. 1,251,407; Dec. 25; v. 245; p. 990.
 Mueller, Arthur W., Cincinnati, Ohio. Printing mechanism. No. 1,218,105; Mar. 6; v. 236; p. 76.
 Mueller, August E., assignor of one-third to T. J. Hruba and one-third to J. O. Hruba, Jr., Chicago, Ill. Rotary engine. No. 1,225,844; May 15; v. 238; p. 690.
 Mueller, August E., assignor of one-third to T. J. Hruba and one-third to J. O. Hruba, Jr., Chicago, Ill. Burner for steam boilers and superheaters. No. 1,226,570; May 15; v. 238; p. 934.
 Mueller, August E., assignor of one-third to T. J. Hruba and one-third to J. O. Hruba, Jr., Chicago, Ill. Valve. No. 1,228,469; June 5; v. 239; p. 32.
 Mueller, August E., assignor of one-third to T. J. Hruba and one-third to J. O. Hruba, Jr., Chicago, Ill. Spring-mounting for vehicles. No. 1,228,470; June 5; v. 239; p. 33.
 Mueller, August E., assignor of one-third to T. J. Hruba and one-third to J. O. Hruba, Jr., Chicago, Ill. Detachable tread structure for vehicle-wheels. No. 1,235,718; Aug. 7; v. 241; p. 60.
 Mueller, Carl, Sheboygan, Wis. Elevator-brake. No. 1,249,453; Dec. 11; v. 245; p. 327.
 Mueller, Carl M., Rock Island, assignor of one-half to W. Mueller, Moline, Ill. Automobile-lock. No. 1,241,239; Sept. 25; v. 242; p. 892.
 Mueller, Emil C. G., Elizabeth, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Transmitter-mouthpiece. No. 1,242,022; Oct. 2; v. 243; p. 177.
 Mueller, Ernst, St. Louis, Mo. Arch-support. No. 1,238,179; Aug. 28; v. 241; p. 955.
 Mueller, Ernst, and O. Fischl, St. Louis, Mo. Heel-support. No. 1,242,363; Oct. 9; v. 243; p. 323.
 Mueller, Ernst H., Menfro, Mo. Bean-separator. No. 1,240,999; Sept. 25; v. 242; p. 817.
 Mueller, Frederick. (See Mueller, Friedrich, assignor.)
 Mueller, Friedrich, Vienna, Austria, assignor of one-half to F. Mueller, Chicago, Ill. Making tin-plate. No. 1,231,285; June 26; v. 239; p. 1099.
 Mueller, Friedrich, Irvington, N. J., assignor to Westinghouse Electric and Manufacturing Company. Jewel-grinding machine. No. 1,239,939; Sept. 11; v. 242; p. 418.
 Mueller, Fritz. (See Miller and Mueller.)
 Mueller, George, Salt Lake City, Utah. Baking-pan. No. 1,228,471; June 5; v. 239; p. 33.
 Mueller, George E., Aurora, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Two-wire automatic telephone system. No. 1,237,214; Aug. 14; v. 241; p. 572.
 Mueller, George E., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Automatic telephone system. No. 1,239,207; Sept. 4; v. 242; p. 155.
 Mueller, George H., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Car-dumping apparatus. No. 1,240,867; Sept. 25; v. 242; p. 775.
 Mueller, George H., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Car-dumping apparatus. No. 1,245,947; Nov. 6; v. 244; p. 242.
 Mueller, Hilmar, Trenton, N. J. Press and means for operating the same. No. 1,232,711; July 10; v. 240; p. 423.
 Mueller, Hilmar, assignor to The Cook & Mueller Company, Trenton, N. J. Pottery-press. No. 1,233,390; July 17; v. 240; p. 679.
 Mueller, John G., Dayton, Ohio. Rail-brace. No. 1,226,571; May 15; v. 238; p. 934.
 Mueller, John L., St. Louis, Mo. Measuring, cutting, and displaying means for oil-cloth stands. No. 1,234,926; July 31; v. 240; p. 1242.
 Mueller, Max M., Chicago, Ill. Steering-gear lock. No. 1,236,098; Aug. 7; v. 241; p. 184.
 Mueller, Milton R., assignor to Electric Wheel Company, Quincy, Ill. Truck. No. 1,242,223; Oct. 9; v. 243; p. 280.
 Mueller, Otto, Richmond, Cal. Bracket. No. 1,228,583; June 5; v. 239; p. 71.
 Mueller, Otto, Chicago, Ill., and W. D. Hamer, Indianapolis, Ind., assignors to Electric Service Supplies Company, Philadelphia, Pa. Support for electric conductors. No. 1,246,304; Nov. 13; v. 244; p. 377.
 Mueller, Paul H., and L. H. Schuler, Brooklyn, N. Y., assignors to L-M-S Motor Co. Internal-combustion engine. No. 1,218,687; Mar. 13; v. 236; p. 314.
 Mueller, Philip, Decatur, Ill. Self-closing cock with check. No. 1,228,584; June 5; v. 239; p. 71.
 Mueller, Philip, Decatur, Ill. Bubbler-head for sanitary drinking-fountains. No. 1,248,377; Nov. 27; v. 244; p. 1046.

- Mueller, Philip, and A. C. Schuermann, Decatur, Ill. Wall-fitting for cocks. No. 1,212,797; Jan. 16; v. 234; p. 903.
- Mueller, Philip, and A. C. Schuermann, Decatur, Ill. Self-closing cock with check. No. 1,228,585; June 5; v. 239; p. 72.
- Mueller, Philip, and A. C. Schuermann, Decatur, Ill. Sanitary drinking-faucet and rotary spout. No. 1,248,376; Nov. 27; v. 244; p. 1046.
- Mueller, Ralph S. (See Wolcott, Robeson B., assignor.)
- Mueller, Rudolph, Chicago, Ill. Syrup-pump. No. 1,247,708; Nov. 27; v. 244; p. 856.
- Mueller, Rudolph J. J., assignor to Universal Oxygen Company, Sheboygan, Wis. Electrolyzing apparatus. No. 1,221,206; Apr. 3; v. 237; p. 73.
- Mueller, Rudolph J. J., assignor to Universal Oxygen Company, Sheboygan, Wis. Gas-torch. No. 1,222,319; Apr. 10; v. 237; p. 492.
- Mueller, Rudolph J. J., assignor to Universal Oxygen Company, Sheboygan, Wis. Cheese-hoop follower. No. 1,248,696; Dec. 4; v. 245; p. 79.
- Mueller, Rudolph J. J., Chicago, Ill., and E. G. Rowlands, Milwaukee, Wis., assignors to Universal Oxygen Company. Water-electrolyzing apparatus. No. 1,219,843; Mar. 20; v. 236; p. 747.
- Mueller, Rudolph J. J., and E. G. Rowlands, Sheboygan, Wis., assignors to Universal Oxygen Company. Water-electrolyzing apparatus. No. 1,220,262; Mar. 27; v. 236; p. 931.
- Mueller, Samuel, Jersey City, N. J. Folding noodles. No. 1,217,891; Feb. 27; v. 235; p. 1323.
- Mueller, William. (See Mueller, Carl M., assignor.)
- Muennich, Frank, Cleveland, Ohio. Locking device for a series of drawers. No. 1,247,137; Nov. 20; v. 244; p. 659.
- Muenzenmaier, George A., Lebanon, assignor to The Peters Cartridge Company, Cincinnati, Ohio. Jacketed bullet. No. 1,243,857; Oct. 23; v. 243; p. 858.
- Muff, William F. (See Harris and Muff.)
- Mugdan, Martin. (See Herrmann and Mugdan.)
- Muha, Edward A. (See Fischer, George B., assignor.)
- Mühlbach, Ferdinand, New York, N. Y. Sputum-receiver. No. 1,221,207; Apr. 3; v. 237; p. 73.
- Muhlfield, John E., Scarsdale, N. Y., assignor to Locomotive Pulverized Fuel Company. Apparatus for feeding pulverized fuel. No. 1,243,753; Oct. 23; v. 243; p. 826.
- Muhlig, Otto G. (See Casey, Muhlig, and Seebers.)
- Muir, James A., Morristown, N. J. Beater-roll. No. 1,225,476; May 8; v. 238; p. 524.
- Muir, John J., Union City, Pa. Truck. No. 1,250,621; Dec. 18; v. 245; p. 709.
- Muir, Robert W., Hunter, N. D. Gas-engine. No. 1,226,239; May 15; v. 238; p. 825.
- Muir, William L., South Milwaukee, Wis. Wire-splicer. No. 1,211,478; Jan. 9; v. 234; p. 410.
- Mulderig, John J. B., Wilkes-Barre, Pa. Auxiliary air-valve. No. 1,242,839; Oct. 9; v. 243; p. 476.
- Muldner, Carl C., Jr., Maplewood, Mo. Toy. No. 1,238,534; Aug. 28; v. 241; p. 1077.
- Mulick, Joseph, Stoyestown, Pa. Heating-stove. No. 1,222,421; Apr. 10; v. 237; p. 421.
- Mullg, Frank, Greendale, Ohio. Memorandum-calendar. No. 1,219,987; Mar. 20; v. 236; p. 797.
- Mullane, George L., Minneapolis, and A. C. Ekman, Robbinsdale, Minn. Back-water sewer-valve. No. 1,233,391; July 17; v. 240; p. 679.
- Mullane, William P., and W. Wuthenow, Chicago, Ill. Concrete-reinforcing bar. No. 1,247,862; Nov. 27; v. 244; p. 901.
- Mullaney, John F., Colorado Springs, Colo. Receptacle-cover. No. 1,213,400; Jan. 23; v. 234; p. 1145.
- Mullaney, John F., Colorado Springs, Colo. Strainer for fluids. No. 1,225,993; May 15; v. 238; p. 740.
- Mullen, Charles A., Sistersville, W. Va. Electric speed or pressure control device. No. 1,238,066; Aug. 21; v. 241; p. 884.
- Mullen, Charles M., and R. E. Hall, Portland, Oreg.; said Hall assignor to said Mullen. Stamp-mill. No. 1,235,149; July 31; v. 240; p. 1309.
- Mullen, George A., Woodbury, N. J. System of lightning-conductors. No. 1,244,118; Oct. 23; v. 243; p. 936.
- Mullen, Hal, New Decatur, Ala. End section for radiators. No. 1,237,941; Aug. 21; v. 241; p. 843.
- Mullen, Ira. (See Kirkpatrick and Farley, assignors.)
- Mullen, James J., assignor to Moloney Electric Company, St. Louis, Mo. Electrical fuse connection. No. 1,218,106; Mar. 6; v. 236; p. 76.
- Mullen, James S., McRae, Ga., assignor to H. E. Sessions, Columbia, S. C. Cotton-seed linter. No. 1,220,879; Mar. 27; v. 236; p. 1145.
- Mullen, Manda. (See Dalton and Mullen.)
- Mullendore, Otis L., and O. H. Stevenson, Roanoke, Ala. Plate-holder attachment for camera-backs. No. 1,249,172; Dec. 4; v. 245; p. 214.
- Müller, Auguste R., Walthamstow, England. Electric insulator. No. 1,228,349; May 29; v. 238; p. 1599.
- Müller, Charles A., Pueblo, Colo. Chicken-fountain. No. 1,228,230; May 29; v. 238; p. 1559.
- Müller, Eugen K., Kilchberg, Switzerland. Electromagnetic blower. No. 1,249,654; Dec. 11; v. 245; p. 384.
- Müller, Frank X., Buffalo, N. Y. Vertically-adjustable post. No. 1,222,234; Apr. 10; v. 237; p. 463.
- Müller, Frank X., assignor to Republic Hose Coupler Corporation, Buffalo, N. Y. Hose-coupling. No. 1,215,050; Feb. 6; v. 235; p. 201.
- Müller, Frank X., and G. J. Winter, assignors to The Republic Hose Coupler Corporation, Buffalo, N. Y. Conduit connection. No. 1,218,444; Mar. 6; v. 236; p. 193.
- Müller, Franziska, Atlantic City, N. J. Hair waver or curler. No. 1,241,240; Sept. 25; v. 242; p. 892.
- Muller, Frederick, Elizabeth, N. J. Holder for sine-bars and similar implements. No. 1,217,487; Feb. 27; v. 235; p. 1184.
- Muller, Frederick, Elizabeth, N. J. Sine-bar. No. 1,231,185; June 26; v. 239; p. 1066.
- Muller, George, Ridgewood, N. J. Fastener. No. 1,219,415; Mar. 13; v. 236; p. 568.
- Müller, Géza. (See Blum and Müller.)
- Muller, Gustav A. H., Montreal, Quebec, Canada. Luminous paint. No. 1,237,368; Aug. 21; v. 241; p. 662.
- Müller, Paul, Berlin, Germany. Attachment for metal-working machines. No. 1,238,929; Sept. 4; v. 242; p. 67.
- Muller, William S., Cedar Rapids, Iowa. Combined piano-seat and music-cabinet. No. 1,219,988; Mar. 20; v. 236; p. 798.
- Müllestein, Christoph, West New York, N. J. Cuspidor. No. 1,232,957; July 10; v. 240; p. 503.
- Mullin, Benjamin, Jersey City, N. J. Air-brake for locomotive-cranes. No. 1,221,079; Apr. 3; v. 237; p. 27.
- Mulliner, Arthur J., Shediac, New Brunswick, Canada. Flue-cleaner. No. 1,211,212; Jan. 2; v. 234; p. 287.
- Mullins, James, Sanford, Me. Shoe-upper moistener. No. 1,247,312; Nov. 20; v. 244; p. 709.
- Mulloy, John H., Detroit, Mich., assignor to Morgan & Wright. Core-jack. No. 1,233,260; July 10; v. 240; p. 599.
- Mulnix, Schriver M., Lena, and R. O. Adams, Freeport, Ill. Pole-protective means. No. 1,244,119; Oct. 23; v. 243; p. 936.
- Mulock, William R., Winnipeg, Manitoba, Canada. Platen for type-writing machines. No. 1,244,759; Oct. 30; v. 243; p. 1168.
- Mulock, William R., Winnipeg, Manitoba, Canada. Toy shell. No. 1,247,989; Nov. 27; v. 244; p. 938.
- Mulrony, Marion A., Randwick, near Sydney, New South Wales, Australia. Wireless-telegraph transmitter of the portable type. No. 1,216,720; Feb. 20; v. 235; p. 876.
- Multi-Lux Illuminating Company, The. (See Smith, Esmond M., assignor.)
- Multi Speed Shutter Company. (See Gruss, Otto H., assignor.)
- Multicalculator Company. (See Arrington and Miller, assignors.)
- Multiple Offset Machine Co. (See Ogden, Ashley G., assignor.)
- Multiplex Sales Register Company. (See Heldrich, Andrew, assignor.)
- Multiport Company. (See Balkwill, Wesley J., assignor.)
- Multipost Company. (See Balkwill, Wesley J., assignor.)
- Multipost Company. (See Bates, Jesse S., assignor.)
- Multipost Company. (See Richmond, John E., assignor.)
- Multipost Company. (See Richmond, Balkwill, and Schweiger, assignors.)
- Multipost Company. (See Schweiger, William F., assignor.)
- Multipull Manufacturing Company. (See Eggleston, Robert N., assignor.)
- Mulvany, Harry A., and H. E. Kennedy, Berkeley, assignors to Electric Sales Service Co., San Francisco, Cal. Rectifier. No. 1,251,269; Dec. 25; v. 245; p. 950.
- Mulvehill, John D., Spokane, Wash. Safety-signal for automobiles. No. 1,236,099; Aug. 7; v. 241; p. 184.
- Mulvey, Robert J., Chicago, Ill. Toy. No. 1,241,000; Sept. 25; v. 242; p. 817.
- Mulvihill, Daniel C., Hannibal, Mo. Lifting-jack. No. 1,228,586; June 5; v. 239; p. 72.
- Mulvihill, Daniel C., Hannibal, Mo. Automobile lifting-jack. No. 1,245,160; Nov. 6; v. 244; p. 6.
- Mumford, Gurdon S., Garden City, N. Y. Apparatus for constructing concrete walls. No. 1,218,445; Mar. 6; v. 236; p. 193.
- Mumford, Gurdon S., Garden City, N. Y. Tie or spacer. No. 1,238,695; Aug. 28; v. 241; p. 1118.
- Mumford, Gurdon S., Garden City, N. Y. Tie and spacer. No. 1,238,696; Aug. 28; v. 241; p. 1119.
- Mumford, Thomas J., 2d, Plainfield, N. J. Combined squeeze and jolt ramming-machine. No. 1,242,364; Oct. 9; v. 243; p. 324.
- Mumm, Hans, Lidgerwood, N. D. Grain-shocker. No. 1,217,332; Feb. 27; v. 235; p. 1128.
- Mumma, George C., Decatur, Ind. Automatic block-dropper. No. 1,244,360; Oct. 23; v. 243; p. 1008.
- Mummert, Arden J., St. Louis, Mo. Packing-ring. No. 1,210,674; Jan. 2; v. 234; p. 104.
- Mummert, Arden J., assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Spark-plug. No. 1,215,836; Feb. 13; v. 235; p. 512.
- Münch, Eduard, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Synthetic product resembling caoutchouc. No. 1,238,930; Sept. 4; v. 242; p. 67.

- Münch, Eduard, assignor to Badische Anilin & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Treating products resembling caoutchouc. No. 1,248,888; Dec. 4; v. 245; p. 136.
- Mundale, Oscar M., Frost, Minn. Seed-tester. No. 1,210,675; Jan. 2; v. 234; p. 104.
- Munday, Robert. (See Tullis, John T., assignor.)
- Mundell, Robert L., Albion, Iowa. Safety-lock for switch plugs or keys of motor-vehicles. No. 1,239,292; Sept. 4; v. 242; p. 184.
- Munden, Daniel W., assignor to L. Wagschal, Indianapolis, Ind. Acetylene-gas generator. No. 1,229,499; June 12; v. 239; p. 427.
- Mundhenk, Charles J., Elgin, Ill. Kerosene-carbureter. No. 1,246,305; Nov. 13; v. 244; p. 377.
- Mundlos & Co., H. (See Mundlos, Richard, assignor.)
- Mundlos, Richard, assignor to H. Mundlos & Co., Mardeburg, Germany. Thread-cutting device for buttonhole-sewing machines. No. 1,218,107; Mar. 6; v. 236; p. 77.
- Munger, A. T. (See Reissner, Frederick, assignor.)
- Munger, Louis D. (See Dunham, Millard L., assignor.)
- Municipal Equipment Company. (See Bradshaw, Richard E., assignor.)
- Municipal Machine Manufacturing Co., The. (See O'Brien, John F., assignor.)
- Municipal Machine Manufacturing Company. (See Altenberg, Alfons, assignor.)
- Municipal Machine Manufacturing Company, The. (See Schroeder, Jacob A., assignor.)
- Munk, William E. (See Schaf and Munk.)
- Munn, Neil D., Dresden, Ontario, Canada. Mechanical starter for automobiles. No. 1,237,803; Aug. 21; v. 241; p. 801.
- Munn, William, Alameda, Cal. Filling-machine. No. 1,233,261; July 10; v. 240; p. 600.
- Munn, William B., Selma, Ala. Supporter. No. 1,239,030; Sept. 4; v. 242; p. 100.
- Munro, James H., Pen Argyl, Pa. Covering. No. 1,250,622; Dec. 18; v. 245; p. 710.
- Munro, James H., Pen Argyl, Pa. Covering. No. 1,250,623; Dec. 18; v. 245; p. 710.
- Munroe, William H., assignor of one-fourth to G. A. Mattison and one-fourth to A. B. Conklin, Ashland, Ala. Ore concentrator or separator. No. 1,230,081; June 12; v. 239; p. 620.
- Munschauer, Charles W. (See Apel, Frederick H., assignor.)
- Munsey, Frank, Persia, Tenn. Plow. No. 1,216,836; Feb. 20; v. 235; p. 915.
- Munson, Alfred N., *et al.* (See Hand, Levi, assignor.)
- Munson, Harry. (See Bailey, Marcus B., assignor.)
- Munson, James L., Sparta, N. J. Carbureter. No. 1,228,692; June 5; v. 239; p. 108.
- Munson, John B., and P. F. Hagerty, Phillipsburg, N. J. Portable track and tire-protector. No. 1,215,301; Feb. 6; v. 235; p. 284.
- Munson, Luther S., assignor of one-half to T. J. Evans, Long Beach, Cal. Naval construction. No. 1,249,173; Dec. 4; v. 245; p. 215.
- Munson, Mandius J., Bairdstown, Cal. Combination pocket article. No. 1,224,199; May 1; v. 238; p. 30.
- Munson, Robert L., Detroit, Mich. Collapsible wheel-*flange*. No. 1,221,574; Apr. 3; v. 237; p. 201.
- Munter, Alfred, Buxton, N. D. Internal-combustion-engine valve. No. 1,232,593; July 10; v. 240; p. 383.
- Muntz, William E., London, England. Treatment of fibers to increase their coefficient of friction on each other. No. 1,232,374; July 3; v. 240; p. 279.
- Munzner, Max, Arlington, N. J., assignor to The Torsion Balance Company, New York, N. Y. Scale for determining specific gravities. No. 1,229,641; June 12; v. 239; p. 477.
- Muraf, Peter A., Dayton, Ohio. Impaling article. No. 1,242,965; Oct. 16; v. 243; p. 551.
- Murakami, Kahn, Berkeley, Cal. Hat. No. 1,249,454; Dec. 11; v. 245; p. 327.
- Murcek, John, Hazleton, Pa. Lamp-extinguisher. No. 1,240,475; Sept. 18; v. 242; p. 622.
- Murchie, James, London, England. Carbureter. No. 1,246,982; Nov. 20; v. 244; p. 615.
- Murcko, Paul J., Bridgeport, Conn. Reversible propeller. No. 1,241,651; Oct. 2; v. 243; p. 59.
- Murdick, Israel H., Benton Harbor, Mich. Mop holder and wringer. No. 1,219,027; Mar. 13; v. 236; p. 436.
- Murdoch, James A., London, and G. Tadgell, Tottenham, London, England; said Tadgell assignor to said Murdoch. Wrist-pin for pianos. No. 1,223,412; Apr. 24; v. 237; p. 943.
- Murdoch, Harry B. (See Van Derbeck and Murdoch.)
- Murdoch, Kelso, Cincinnati, Ohio. Drinking-fountain. No. 1,218,797; Mar. 13; v. 236; p. 355.
- Mureau, Désiré, Paris, France. Drawer-lock. No. 1,240,760; Sept. 18; v. 242; p. 709.
- Murf, Andrew, and S. Beck, Etna, Pa. Metal-tubing machine. No. 1,227,482; May 22; v. 238; p. 1278.
- Murnane, Cornelius, Habersfield, New South Wales, Australia. Farm-tractor. No. 1,240,761; Sept. 18; v. 242; p. 709.
- Murnane, Daniel J., Glendale, Mo. Metal frame. No. 1,246,453; Nov. 13; v. 244; p. 422.
- Murnane, Daniel J., Chicago Heights, assignor to Zouri Drawn Metals Company, Chicago, Ill. Store-front construction. No. 1,236,202; Aug. 7; v. 241; p. 217.
- Murnane, James P., St. Louis, Mo., assignor to Zouri Drawn Metals Company, Chicago, Ill. Glass-securing device. No. 1,230,758; June 19; v. 239; p. 832.
- Murphy, Albert C., New York, N. Y. Dumping-car. No. 1,224,404; May 1; v. 238; p. 104.
- Murphy, Albert C., New York, N. Y. Dumping-car. No. 1,232,958; July 10; v. 240; p. 503.
- Murphy, Albert C., New York, N. Y. Dumping-car. No. 1,232,959; July 10; v. 240; p. 504.
- Murphy, Albert C., New York, N. Y. Motor-driven dumping-wagon. No. 1,235,045; July 31; v. 240; p. 1279.
- Murphy, Albert C., assignor to Universal Car and Manufacturing Co. Inc., New York, N. Y. Dumping-car. No. 1,227,819; May 29; v. 238; p. 1422.
- Murphy Chair Company. (See Balbach, Gustav C., assignor.)
- Murphy, Clinton C. (See Mathews, Fred, assignor.)
- Murphy, Clinton C., Chicago, Ill., assignor to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,221,891; Apr. 10; v. 237; p. 343.
- Murphy, Clinton C., Chicago, Ill., assignor to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,221,892; Apr. 10; v. 237; p. 343.
- Murphy, Clinton C., Chicago, Ill., assignor to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,231,049; June 26; v. 239; p. 1020.
- Murphy, David R., and H. W. Blankenship, Kellogg, Idaho. Ribbon-cabinet. No. 1,218,886; Mar. 13; v. 236; p. 388.
- Murphy, Edward H., Chicago, Ill. Steam valve and fitting for heating systems. No. 1,216,348; Feb. 20; v. 235; p. 746.
- Murphy, Edward J., Waterford, assignor to W. B. Armstrong Co., Albany, N. Y. Combined pipe cutter, groover, and reamer. No. 1,237,677; Aug. 21; v. 241; p. 762.
- Murphy, Edwin J., Schenectady, N. Y., assignor to General Electric Company. Motor-control system. No. 1,214,355; Jan. 30; v. 234; p. 1504.
- Murphy, Edwin J., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic switch. No. 1,231,412; June 26; v. 239; p. 1142.
- Murphy, Eugene A., E. Z. Lewis, and W. V. Wilson, Chicago, Ill. Return-envelope. No. 1,216,347; Feb. 20; v. 235; p. 746.
- Murphy, Francis P., Newport, and J. P. McKeever and H. E. Peters, Claremont, N. H., assignors to W. H. McElwain Company, Boston, Mass. Innersole. No. 1,227,483; May 22; v. 238; p. 1278.
- Murphy, Franklin. (See Wilson, John M., assignor.)
- Murphy, George C., Louisville, Ky. Advertising-poster. No. 1,237,678; Aug. 21; v. 241; p. 762.
- Murphy, Harold T., Springfield, Mass. Signaling device for automobiles. No. 1,211,213; Jan. 2; v. 234; p. 287.
- Murphy, Harold T., Springfield, Mass. Signal. No. 1,244,883; Oct. 30; v. 243; p. 1206.
- Murphy Iron Works. (See Bell, John W., assignor.)
- Murphy Iron Works. (See Fortune, John R., assignor.)
- Murphy, James F., Brooklyn, N. Y. Ash sifter and scoop. No. 1,234,195; July 24; v. 240; p. 976.
- Murphy, James H. (See Murray, William, assignor.)
- Murphy, James H., *et al.* (See Rider, Herbert E., assignor.)
- Murphy, James J., Maspeth, N. Y. Game apparatus. No. 1,213,679; Jan. 23; v. 234; p. 1241.
- Murphy, Jesse W. (See Rodefer, Bert A., assignor.)
- Murphy, John, assignor of one-half to G. P. Schlocker, Memphis, Tenn. Picker-head. No. 1,229,121; June 5; v. 239; p. 251.
- Murphy, John, and J. Bechtel, Ashland, Ohio. Gas-gate-hood clamp. No. 1,242,023; Oct. 2; v. 243; p. 177.
- Murphy, Joan F., Louisville, Ky. Internal-combustion engine. No. 1,222,657; Apr. 17; v. 237; p. 654.
- Murphy, John M., Elgin, Ill. Street-sweeping machine. No. 1,239,293; Sept. 4; v. 242; p. 184.
- Murphy, John W. (See Bruckner and Murphy.)
- Murphy, John W. (See Royer and Murphy.)
- Murphy, Mark J., and H. H. Brandeau, St. Paul, Minn. Milking-machine. No. 1,218,446; Mar. 6; v. 236; p. 193.
- Murphy, Mark J., and H. H. Brandeau, St. Paul, Minn. Milking-machine. No. 1,218,447; Mar. 6; v. 236; p. 193.
- Murphy, Michael N. (See Jenkins and Murphy.)
- Murphy, Morton, Janesville, Wis. Heating-coil disk. No. 1,234,196; July 24; v. 240; p. 976.
- Murphy, Morton, Janesville, Wis. Automatic cut-off. No. 1,248,889; Dec. 4; v. 245; p. 136.
- Murphy, Peter F., New Orleans, La. Cyanid-gas fumigating apparatus. No. 1,216,593; Feb. 20; v. 235; p. 834.
- Murphy, Quillain R., assignor of one-half to R. D. Mills, Birmingham, Ala. Cylinder-reboring machine. No. 1,241,543; Oct. 2; v. 243; p. 23.
- Murphy, Ralph, assignor to H. H. Franklin Manufacturing Company, Syracuse, N. Y. Dust-proof cap. No. 1,226,240; May 15; v. 238; p. 825.
- Murphy, Raymond P., *et al.* (See Johnson, David B., assignor.)
- Murphy, Rose, *et al.* (See Rogan, Patrick J., assignor.)
- Murphy, Thomas J., and E. Miller, Rochester, N. Y. Call system. No. 1,231,537; June 26; v. 239; p. 1181.
- Murphy-Travis Company. (See Thorson, Guy S., assignor.)
- Murphy Wall Bed Co. (See Dewey, Josiah A., assignor.)
- Murphy Wall Bed Company. (See Murphy, William L., assignor.)

- Murphy, Walter P. (See Ayers, Augustine R., assignor.)
 Murphy, Walter P. (See Daughenbaugh, Lawrence W., assignor.)
 Murphy, Walter P. (See Gilpin, Garth G., assignor.)
 Murphy, Walter P. (See Sisson, Vinton E., assignor.)
 Murphy, Walter P., Chicago, Ill. Sheet-metal end structure for railway-cars. No. 1,236,744; Aug. 14; v. 241; p. 425.
 Murphy, Walter P., Chicago, Ill. Corrugated-sheet-metal end structure for railway-cars. No. 1,244,632; Oct. 30; v. 243; p. 1129.
 Murphy, Walter P., Chicago, Ill. Metal end for railway-cars. No. 1,246,143; Nov. 13; v. 244; p. 329.
 Murphy, Walter P., Chicago, Ill., assignor to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,227,484; May 22; v. 238; p. 1278.
 Murphy, Walter P., Chicago, Ill., assignor to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,238,428; Aug. 28; v. 241; p. 1036.
 Murphy, Walter P., Chicago, Ill., assignor to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,241,001; Sept. 25; v. 242; p. 818.
 Murphy, Walter P., Chicago, Ill., assignor to P. H. Murphy Company, Parnassus, Pa. Steel car-roof. No. 1,250,205; Dec. 18; v. 245; p. 585.
 Murphy, Walter P., Chicago, Ill., assignor to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,250,206; Dec. 18; v. 245; p. 585.
 Murphy, Walter P., Chicago, Ill., assignor to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,250,624; Dec. 18; v. 245; p. 710.
 Murphy, William L., assignor to Murphy Wall Bed Company, San Francisco, Cal. Folding bed. No. 1,218,202; Mar. 6; v. 236; p. 109.
 Murr, John R. (See Mace and Murr.)
 Murr, Lewis, Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Boot or shoe. No. 1,247,313; Nov. 20; v. 244; p. 709.
 Murray, Archibald J., Unity, Oreg. Wire-gate fastener. No. 1,212,988; Jan. 16; v. 234; p. 969.
 Murray, Arthur C., Buffalo, N. Y. Producing half-tone engravings. No. 1,225,477; May 8; v. 238; p. 524.
 Murray, Charles C., Lilly, Pa. Toy cannon. No. 1,248,378; Nov. 27; v. 244; p. 1046.
 Murray Company, The. (See Henry, Nelson B., assignor.)
 Murray Company, The. (See Kinne, Tempel L., assignor.)
 Murray, Edward, Detroit, Mich. Adjustable window-shade fixture and curtain-pole bracket. No. 1,238,931; Sept. 4; v. 242; p. 68.
 Murray, Edward C., Oklahoma, Okla. Non-refillable bottle. No. 1,223,720; Apr. 24; v. 237; p. 1054.
 Murray, Edward J. B. (See Flood, Patrick, assignor.)
 Murray, Edward M., Mingo Junction, Ohio. Hoop-propelling implement. No. 1,243,334; Oct. 16; v. 243; p. 664.
 Murray, Finis A., Seymour, Mo. Routing-rack. No. 1,214,059; Jan. 30; v. 234; p. 1403.
 Murray, George C. (See Cook, Roy J., assignor.)
 Murray, George C., Chicago, Ill. Draft-gear attachment. No. 1,224,312; May 1; v. 238; p. 71.
 Murray, George C., Chicago, Ill., assignor to Keyoke Railway Equipment Company. Uncoupling device. No. 1,230,203; June 19; v. 239; p. 699.
 Murray, George R., Cleveland, Ohio. Stone grinding and polishing machine. No. 1,230,759; June 19; v. 239; p. 883.
 Murray, Harold W., Centereach, N. Y. Wrench. No. 1,251,408; Dec. 25; v. 245; p. 991.
 Murray, Harry A. (See Ford, Eliot E., assignor.)
 Murray, Harry A. (See Thompson and Murray.)
 Murray, Harry A., and W. T. Dorman, assignors of one-third to C. Pollard, Houston, Tex. Internal-combustion engine. No. 1,220,880; Mar. 27; v. 236; p. 1145.
 Murray, Henry H., Riverton, N. J., assignor to Victor Talking Machine Company. Stop mechanism for talking-machines. No. 1,229,642; June 12; v. 239; p. 477.
 Murray, James. (See Lightell, Adam, assignor.)
 Murray, James, Boston, Mass. Ventilating apparatus. No. 1,247,314; Nov. 20; v. 244; p. 709.
 Murray, James E., Kansas City, Mo. Centering-tool for circular objects. No. 1,230,015; June 12; v. 239; p. 598.
 Murray, John, Edinburgh, Scotland. Loose-leaf book. No. 1,243,544; Oct. 16; v. 243; p. 726.
 Murray, John A., and C. N. Wilt, Pontiac, Mich. Non-skid device. No. 1,215,302; Feb. 6; v. 235; p. 284.
 Murray, John D., assignor of one-half to T. Scoble, San Francisco, Cal. Pneumatic conveyer. No. 1,221,080; Apr. 3; v. 237; p. 27.
 Murray, John W., Joliet, Ill. Making nuts for bolts. No. 1,223,604; Apr. 24; v. 237; p. 1011.
 Murray, Joseph E., Morristown, N. J. Horseshoe. No. 1,236,203; Aug. 7; v. 241; p. 217.
 Murray, Michael D., Ambridge, Pa. Automobile-couch. No. 1,241,420; Sept. 25; v. 242; p. 948.
 Murray, Paul J., Oswego, N. Y. Device for detecting and cooling hot journals. No. 1,228,231; May 29; v. 238; p. 1559.
 Murray, Paul J., Oswego, N. Y. Device for detecting, cooling, and lubricating hot journals. No. 1,228,232; May 29; v. 238; p. 1560.
 Murray, Peter, Emo, Ontario, Canada. Unloading-machine. No. 1,245,948; Nov. 6; v. 244; p. 243.
 Murray, Preston A., Pomona, Cal. Power-transmission apparatus. No. 1,248,697; Dec. 4; v. 245; p. 79.
 Murray, Richard F., Fort Edward, N. Y. Paper-making machine. No. 1,240,589; Sept. 18; v. 242; p. 655.
 Murray, Robert W., Corning, Ohio. Pump. No. 1,224,200; May 1; v. 238; p. 30.
 Murray, Stephen D., Dallas, Tex. Gin-brush. No. 1,236,341; Aug. 7; v. 241; p. 259.
 Murray, Stephen D., Dallas, Tex. Cotton-cleaner. No. 1,238,043; Aug. 21; v. 241; p. 876.
 Murray, Thomas B., Scotstoun, Scotland. Construction of transmission mechanism. No. 1,238,044; Aug. 21; v. 241; p. 877.
 Murray, Thomas B., Scotstoun, Scotland. Friction-clutch. No. 1,239,940; Sept. 11; v. 242; p. 418.
 Murray, Thomas E. (See Torchio and Woodrow, assignors.)
 Murray, Thomas E. (See Woodrow, Harry R., assignor.)
 Murray, Thomas E., New York, N. Y. Vehicle-wheel. No. 1,212,798; Jan. 16; v. 234; p. 904.
 Murray, Thomas E., New York, N. Y. Vehicle-wheel. No. 1,212,799; Jan. 16; v. 234; p. 904.
 Murray, Thomas E., New York, N. Y. Metal vehicle-wheel. No. 1,212,800; Jan. 16; v. 234; p. 904.
 Murray, Thomas E., New York, N. Y. Metal vehicle-wheel. No. 1,212,801; Jan. 16; v. 234; p. 904.
 Murray, Thomas E., New York, N. Y. Metal hub for vehicle-wheels. No. 1,212,802; Jan. 16; v. 234; p. 905.
 Murray, Thomas E., New York, N. Y. Metal vehicle-wheel. No. 1,212,803; Jan. 16; v. 234; p. 905.
 Murray, Thomas E., New York, N. Y. Flanging ends of metal tubes. No. 1,212,804; Jan. 16; v. 234; p. 905.
 Murray, Thomas E., New York, N. Y. Electric welding-machine. No. 1,215,964; Feb. 13; v. 235; p. 558.
 Murray, Thomas E., New York, N. Y. Flanging the end of a metal tube. No. 1,215,965; Feb. 13; v. 235; p. 559.
 Murray, Thomas E., New York, N. Y. Means for electrically welding tubes in sleeves. No. 1,215,966; Feb. 13; v. 235; p. 559.
 Murray, Thomas E., New York, N. Y. Electrically-welded tube and flange-plate. No. 1,215,967; Feb. 13; v. 235; p. 559.
 Murray, Thomas E., New York, N. Y. Making sheet-metal wheels. No. 1,215,968; Feb. 13; v. 235; p. 559.
 Murray, Thomas E., New York, N. Y. Sheet-metal piston. No. 1,215,969; Feb. 13; v. 235; p. 560.
 Murray, Thomas E., New York, N. Y. Meter-testing cut-out. No. 1,219,132; Mar. 13; v. 236; p. 471.
 Murray, Thomas E., New York, N. Y. Flanging the end of a metal tube. No. 1,219,135; Mar. 13; v. 236; p. 472.
 Murray, Thomas E., New York, N. Y. Electrical welding apparatus. No. 1,219,136; Mar. 13; v. 236; p. 472.
 Murray, Thomas E., New York, N. Y. Electrical welding apparatus. No. 1,219,137; Mar. 13; v. 236; p. 472.
 Murray, Thomas E., New York, N. Y. Electrically-welded tube and flange. No. 1,219,138; Mar. 13; v. 236; p. 472.
 Murray, Thomas E., New York, N. Y. Electrically welding the end of a tube within a sleeve or socket. No. 1,219,139; Mar. 13; v. 236; p. 473.
 Murray, Thomas E., New York, N. Y. Metal vehicle-wheel. No. 1,220,768; Mar. 27; v. 236; p. 1107.
 Murray, Thomas E., New York, N. Y. Metal vehicle-wheel. No. 1,220,769; Mar. 27; v. 236; p. 1107.
 Murray, Thomas E., New York, N. Y. Electrical welding. No. 1,220,770; Mar. 27; v. 236; p. 1107.
 Murray, Thomas E., New York, N. Y. Making crank-shafts. No. 1,220,771; Mar. 27; v. 236; p. 1108.
 Murray, Thomas E., New York, N. Y. Welding a threaded tube in a sleeve or ferrule. No. 1,220,772; Mar. 27; v. 236; p. 1108.
 Murray, Thomas E., New York, N. Y. Producing solid ribs on sheet-metal tubes. No. 1,220,773; Mar. 27; v. 236; p. 1108.
 Murray, Thomas E., New York, N. Y. Electrical welding. No. 1,220,774; Mar. 27; v. 236; p. 1108.
 Murray, Thomas E., New York, N. Y. Gear-wheel. No. 1,220,775; Mar. 27; v. 236; p. 1108.
 Murray, Thomas E., New York, N. Y. Electric welding. No. 1,220,776; Mar. 27; v. 236; p. 1109.
 Murray, Thomas E., New York, N. Y. Metal vehicle-wheel. No. 1,223,088; Apr. 17; v. 237; p. 802.
 Murray, Thomas E., New York, N. Y. Sheet-metal rod or shaft. No. 1,223,089; Apr. 17; v. 237; p. 802.
 Murray, Thomas E., New York, N. Y. Sheet-metal rod or shaft. No. 1,223,090; Apr. 17; v. 237; p. 802.
 Murray, Thomas E., New York, N. Y. Electric welding apparatus. No. 1,223,092; Apr. 17; v. 237; p. 802.
 Murray, Thomas E., New York, N. Y. Tube-flange and clamping device therefor. No. 1,225,478; May 8; v. 238; p. 524.
 Murray, Thomas E., New York, N. Y. Valve. No. 1,225,479; May 8; v. 238; p. 524.
 Murray, Thomas E., New York, N. Y. Metal vehicle-wheel. No. 1,227,178; May 22; v. 238; p. 1180.
 Murray, Thomas E., New York, N. Y. Coupling for flanged tubes or pipes. No. 1,227,179; May 22; v. 238; p. 1180.
 Murray, Thomas E., New York, N. Y. Vehicle-wheel. No. 1,230,016; June 12; v. 239; p. 598.
 Murray, Thomas E., New York, N. Y. Sheet-metal hub. No. 1,230,427; June 19; v. 239; p. 772.
 Murray, Thomas E., New York, N. Y. Valve. No. 1,235,150; July 31; v. 240; p. 1310.

Alphabetical list of patentees—Continued.

- Murray, Thomas E., New York, N. Y. Antiskidding means for vehicle-wheels. No. 1,237,369; Aug. 21; v. 241; p. 663.
- Murray, Thomas E., New York, N. Y. Sheet-metal radiator. No. 1,245,011; Oct. 30; v. 243; p. 1245.
- Murray, Thomas E. and A. V. A. McHarg, New York, N. Y. Demountable vehicle-wheel. No. 1,219,133; Mar. 13; v. 236; p. 471.
- Murray, Thomas E., and A. V. A. McHarg, New York, N. Y.; said McHarg assignor to said Murray. Cut-out switch. No. 1,237,370; Aug. 21; v. 241; p. 663.
- Murray, Thomas E., and H. R. Woodrow, New York, N. Y.; said Woodrow assignor to said Murray. Method of making hollow metal objects by electrical welding. No. 1,223,091; Apr. 17; v. 237; p. 802.
- Murray, Thomas E., and H. R. Woodrow, New York, N. Y.; said Woodrow assignor to said Murray. Electric welding-machine. No. 1,233,688; July 17; v. 240; p. 777.
- Murray, Thomas E., Jr., Brooklyn, N. Y. Switch. No. 1,219,134; Mar. 13; v. 236; p. 471.
- Murray, Thomas E., Jr., Brooklyn, N. Y. Controlling apparatus for motor-carriages. No. 1,230,426; June 19; v. 239; p. 771.
- Murray, Thomas E., Jr., Brooklyn, N. Y. Process of and apparatus for electrically making holes in metal blocks or plates. No. 1,233,689; July 17; v. 240; p. 777.
- Murray, Thomas E., Jr., Brooklyn, N. Y. Process of and apparatus for electrically making holes in metal blocks or plates. No. 1,233,690; July 17; v. 240; p. 778.
- Murray, Thomas E., Jr., New York, N. Y. Process of and apparatus for electrically dividing metal plates or blocks. No. 1,233,691; July 17; v. 240; p. 778.
- Murray, Thomas E., Jr., Brooklyn, N. Y. Apparatus for bending metal plates. No. 1,237,371; Aug. 21; v. 241; p. 663.
- Murray, Thomas E., Jr., Brooklyn, N. Y. Apparatus for electrically making cup-shaped projections in metal plates. No. 1,242,580; Oct. 9; v. 243; p. 395.
- Murray, Thomas E., Jr., Brooklyn, N. Y. Method of and apparatus for electrically making openings in metal plates. No. 1,242,581; Oct. 9; v. 243; p. 395.
- Murray, Warren E., assignor to Western Sugar Refining Company, San Francisco, Cal. Automatic indicator for vacuum-pans. No. 1,248,698; Dec. 4; v. 245; p. 80.
- Murray, William, Brooklyn, N. Y., assignor of one-half to J. H. Murphy, Bayonne, N. J. Safety-signal for power-vehicles. No. 1,241,421; Sept. 25; v. 242; p. 949.
- Murray, William B., Washington, D. C., assignor to The Miller Train Control Corporation, Staunton, Va. Electrically-operated and mechanically-controlled train-stopping device. No. 1,213,891; Jan. 30; v. 234; p. 1344.
- Murray, William B., Washington, D. C., assignor to The Miller Train Control Corporation, Staunton, Va. Train-control system. No. 1,213,892; Jan. 30; v. 234; p. 1344.
- Murray, William D. (See McConnell, Thomas, assignor.)
- Murray, William M., Canajoharie, N. Y. Window-shade guide. No. 1,216,594; Feb. 20; v. 235; p. 834.
- Murrell, Clifford H., Roanoke, Va. Trolley-contactor. No. 1,231,413; June 26; v. 239; p. 1142.
- Murrian, William S. (See Boyden, Nathaniel N., assignor.)
- Murrie, John, and W. Ott, La Crosse, Wis. Tool for turning and truing crank-pins. No. 1,235,914; Aug. 7; v. 241; p. 126.
- Murrin, John. (See Wafer and Murrin.)
- Murry, James W., Moundsville, W. Va. Transmission mechanism. No. 1,249,174; Dec. 4; v. 245; p. 215.
- Murta, Samuel, St. Louis, Mo. Water-elevator. No. 1,227,180; May 22; v. 238; p. 1181.
- Mus, Michal, Cedoux, Saskatchewan, Canada. Rail-joint. No. 1,232,067; July 3; v. 240; p. 180.
- Muse, Donald P., Junction City, Ark. Electrical piano attachment. No. 1,229,122; June 5; v. 239; p. 251.
- Muser, Fritz. (See Darrow, Henry W., assignor.)
- Musgrove, Roy M., Spanish Fork, Utah, assignor of one-half to E. D. Cruise, Kansas City, Kans. Shock-absorbing body-brace for automobiles. No. 1,222,445; Apr. 10; v. 237; p. 538.
- Mushaway, Alden, Dallas, Tex. Automobile-security-lock device. No. 1,250,207; Dec. 18; v. 245; p. 585.
- Mushett, Leo L., Manhattan, Nev. Combined tube-mill and ball-mill. No. 1,246,775; Nov. 13; v. 244; p. 517.
- Muskett, Jabez, Pendleton, Manchester, England. Rubber-covered roller. No. 1,226,984; May 22; v. 238; p. 1114.
- Muslar, Nelson, assignor, by mesne assignments, to C. R. Streeter, Worcester, Mass. Labeling-machine. No. 1,231,634; July 3; v. 240; p. 32.
- Musselman Cord Fabric Company. (See Pye, Ernest A., assignor.)
- Mussinan, Oscar, New York, N. Y. Cushion pneumatic heel. No. 1,231,777; July 3; v. 240; p. 80.
- Musso, Frederick G., San Jose, Cal. Collapsible camp structure. No. 1,244,760; Oct. 30; v. 243; p. 1169.
- Musso, Giuseppe, Vado, Italy. Transmission of electrical impulses over circuits of high electrostatic capacity. No. 1,216,595; Feb. 20; v. 235; p. 834.
- Must, Abraham, Ste. Agathe des Monts, Quebec, Canada. Land-torpedo. No. 1,219,028; Mar. 13; v. 236; p. 436.
- Mustikon Limited. (See Stephens, Hugh T., assignor.) (Reissue.)
- Mutchler, John H., Gibsonburg, Ohio. Water-purifying device for boilers. No. 1,237,942; Aug. 21; v. 241; p. 844.
- Mutchler, Joseph E., Sparta, Mich. Door-operating means. No. 1,246,306; Nov. 13; v. 244; p. 378.
- Muth, Edward A., *et al.* (See Goetzke, Otto, assignor.)
- Muther, Lorenz. (See Lautenschlager, William F., assignor.)
- Mutro, Michael, Chester, Pa. Aerial bomb. No. 1,234,790; July 31; v. 240; p. 1199.
- Mutro, Michael, assignor of one-tenth to J. Rawliuk, Chester, Pa. Grain-grinding mill. No. 1,218,448; Mar. 6; v. 236; p. 194.
- Mutro, Michael, assignor of ten one-hundredths to G. Belisnanski, Chester, Pa. Lock. No. 1,242,224; Oct. 9; v. 243; p. 281.
- Mutschler, Albert, Rochester, N. Y. Automatic-feeding machine-tool. No. 1,218,108; Mar. 6; v. 236; p. 77.
- Mutz, Emery H. and V. C., Sacred Heart, Minn. Accelerator. No. 1,217,875; Feb. 27; v. 235; p. 1317.
- Mutz, George, Pittsburgh, Pa. Mouse-trap. No. 1,214,060; Jan. 30; v. 234; p. 1403.
- Mutz, Vergil C. (See Mutz, Emery H. and V. C.)
- Muzzy, William H., Detroit, Mich. Fuel-feeding device for automobiles. No. 1,222,235; Apr. 10; v. 237; p. 463.
- Muzzzy, William H., Dayton, Ohio. Storage battery. No. 1,243,202; Oct. 16; v. 243; p. 625.
- Myatt, John W., assignor to Ledgers Limited, Tipton, England. Loose-leaf book. No. 1,233,104; July 10; v. 240; p. 550.
- Myatt, John W., assignor to Ledgers Limited, Tipton, Stafford county, England. Loose-leaf book or binder. No. 1,244,233; Oct. 23; v. 243; p. 971.
- Myatt, William J., Birmingham England. Safety-razor. No. 1,233,105; July 10; v. 240; p. 550.
- Myer, Fred C., Port Jervis, N. Y. Lawn-trimmer. No. 1,217,204; Feb. 27; v. 235; p. 1085.
- Myers, Bascomb J., Lancaster, assignor to E. B. Donald, Goldville, S. C. Dispensing-bin. No. 1,221,575; Apr. 3; v. 237; p. 202.
- Myers, Bert C., Saginaw, Oreg. Machine for bunching hay. No. 1,212,094; Jan. 9; v. 234; p. 622.
- Myers, Bert L., Jackson, Mich. Vaporizer. No. 1,243,439; Oct. 16; v. 243; p. 695.
- Myers, Bertram V. (See Haas and Myers.)
- Myers and Brother, F. E. (See Myers, Philip A., assignor.)
- Myers, Charles. (See Grandchamp, Napoleon, assignor.)
- Myers, Chester, assignor to E. Myers Lye Company, St. Louis, Mo. Can-perforating implement. No. 1,235,230; July 31; v. 240; p. 1334.
- Myers, D. D., *et al.* (See Kelley, Benjamin F., assignor.)
- Myers, David M., New York, N. Y. Weighing-shovel. No. 1,232,960; July 10; v. 240; p. 504.
- Myers, Edgar W., San Jose, assignor, by mesne assignments, to Masteroll Perforating Machine Company, Los Gatos, Cal. Paper-feed. No. 1,211,615; Jan. 9; v. 234; p. 457.
- Myers, Emma A. (See Barr and Myers.)
- Myers, Eugene V., East Orange, N. J., assignor to A. Schrader's Son, Inc., Brooklyn, N. Y. Tire-valve. No. 1,231,548; June 26; v. 239; p. 1184.
- Myers, Everett W., and A. E. Sharpley, Key West, Fla. Swinging-gear for davits. No. 1,230,760; June 19; v. 239; p. 883.
- Myers, Frank W., Owosso, Mich. Street-barricade. No. 1,222,020; Apr. 10; v. 237; p. 388.
- Myers, George A., Kalamazoo, Mich. Street or station indicator. No. 1,241,422; Sept. 25; v. 242; p. 949.
- Myers, George F., Columbus, Ohio. Flying-machine. No. 1,226,985; May 22; v. 238; p. 1115.
- Myers, George W., Philadelphia, Pa. Vehicle. No. 1,243,662; Oct. 16; v. 243; p. 761.
- Myers, H. M. (See Eaken, Dwight A., assignor.)
- Myers, Henry F., Lake Linden, Mich. Counting device. No. 1,227,485; May 22; v. 238; p. 1279.
- Myers, Hiram, Sterling, Ill. Tamping device for silos. No. 1,243,754; Oct. 23; v. 243; p. 826.
- Myers, Hubert A., Toledo, Ohio. Toy. No. 1,211,479; Jan. 9; v. 234; p. 411.
- Myers, Hubert A., Toledo, Ohio. Centrifugal brake for reproducing mechanisms. No. 1,224,091; Apr. 24; v. 237; p. 1180.
- Myers, Hubert A., Toledo, Ohio. Record-controlling mechanism. No. 1,224,092; Apr. 24; v. 237; p. 1180.
- Myers, Hubert A., Toledo, Ohio. Aquatic amusement apparatus. No. 1,249,455; Dec. 11; v. 245; p. 327.
- Myers, Hubert A., Toledo, Ohio, assignor to Toledo Scale Company, Jersey City, N. J. Scale. No. 1,213,934; Jan. 30; v. 234; p. 1358.
- Myers, Hubert A., assignor to Toledo Scale Company, Toledo, Ohio. Multiple indicating mechanism for weighing-scales. No. 1,243,676; Oct. 16; v. 243; p. 766.
- Myers, Hubert A., assignor of one-half to A. S. Hickok, Toledo, Ohio. Rotary engine. No. 1,229,643; June 12; v. 239; p. 478.
- Myers, Hubert A., Toledo, Ohio, assignor to H. F. Banta, Goshen, Ind. Talking-machine. No. 1,234,197; July 24; v. 240; p. 976.
- Myers, Hubert A., Toledo, Ohio, assignor to H. F. Banta, Goshen, Ind. Sound-box. No. 1,234,198; July 24; v. 240; p. 977.

- Myers, Hubert A., assignor of one-half to A. A. Atwood, Toledo, Ohio. Control mechanism. No. 1,236,593; Aug. 14; v. 241; p. 373.
- Myers, I. L. (See Arnott, Robert F., assignor.)
- Myers, Israel, assignor to The Superior Ladder Company, Goshen, Ind. Automatic gravity ladder-lock. No. 1,210,827; Jan. 2; v. 234; p. 154.
- Myers, Israel V., Kansas City, Mo. Reclining-chair. No. 1,231,414; June 26; v. 239; p. 1143.
- Myers, Jim H., Runge, Tex. Foot-piece for cultivators. No. 1,219,342; Mar. 13; v. 236; p. 542.
- Myers, John D. (See Fritts, Charles E., assignor.)
- Myers, John S. (See Toohey, John W., assignor.)
- Myers, Lewis C. (See Hess and Myers.)
- Myers, Lewis C., Brooklyn, assignor to Royal Typewriter Company, Inc., New York, N. Y. Carriage-shift stop for type-writing machines. No. 1,212,989; Jan. 16; v. 234; p. 970.
- Myers, Lewis C., Brooklyn, assignor to Royal Typewriter Company, Inc., New York, N. Y. Stencil-making device for typewriting machines. No. 1,243,858; Oct. 23; v. 243; p. 858.
- Myers, Lewis C., Brooklyn, assignor to Royal Typewriter Company, Inc., New York, N. Y. Tabular bar and stop. No. 1,249,456; Dec. 11; v. 245; p. 328.
- Myers, Lewis E., Valparaiso, Ind. Combination-desk. No. 1,250,625; Dec. 18; v. 245; p. 710.
- Myers, Loring W., Lubec, Me. Life-raft. No. 1,229,123; June 5; v. 239; p. 252.
- Myers, Marcus A. (See Decker and Myers.)
- Myers, Marcus A., New York, and R. Keene, Richmond Hill, assignors to Julius Kayser & Co., New York, N. Y. Producing warp-knitted fabrics. No. 1,234,927; July 31; v. 240; p. 1242.
- Myers, Morton E., assignor, by mesne assignments, to J. A. Abeles, New York, N. Y. Diaphragm-horn. No. 1,251,270; Dec. 25; v. 245; p. 950.
- Myers, Philip A., assignor to F. E. Myers and Brother, Ashland, Ohio. Power attachment for pumps. No. 1,213,935; Jan. 30; v. 234; p. 1358.
- Myers, Philip A., assignor to F. E. Myers and Brother, Ashland, Ohio. Pressure-controlling device. No. 1,217,333; Feb. 27; v. 235; p. 1128.
- Myers, Philip A., assignor to F. E. Myers and Brother, Ashland, Ohio. Pump. No. 1,244,534; Oct. 30; v. 243; p. 1099.
- Myers, Randolph, and J. G. Faulkinberry, Ardmore, Tenn. Fan for sewing-machines. No. 1,226,572; May 15; v. 238; p. 934.
- Myers, Richard O., and J. A. Kell, East Akron, Ohio. Spring-closing receptacle. No. 1,219,029; Mar. 13; v. 236; p. 436.
- Myers, Rolla M., Attica, Ohio. Road-building machine. No. 1,233,107; July 10; v. 240; p. 551.
- Myers, Walker B., Denver, Colo. Rod-bending machine. No. 1,217,488; Feb. 27; v. 235; p. 1184.
- Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company. Ornamental-stitch sewing-machine. No. 1,239,715; Sept. 11; v. 242; p. 347.
- Mylius, Walter G., Wilkinsburg, and B. G. La Bar, Turtle Creek, Pa., assignors to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. No. 1,248,527; Dec. 4; v. 245; p. 28.
- Myers, Watson M., et al. (See Phillips, George B., assignor.)
- Myers, William, Montreal, Quebec, Canada. Type-writing machine. No. 1,246,983; Nov. 20; v. 244; p. 615.
- Myerscough, Thomas L., Rusholme, assignor to H. Bradley, Hove, and T. Edwards, Brighton, Sussex, England. Receptacle for containing foods and the like. No. 1,234,683; July 24; v. 240; p. 1132.
- Myerson, Simon, Cambridge, Mass. Artificial tooth. No. 1,243,335; Oct. 16; v. 243; p. 664.
- Myerson, Simon, Cambridge, Mass. Top for vehicle-bodies. No. 1,247,315; Nov. 20; v. 244; p. 709.
- Myette, Emanuel, Providence, R. I. Machine for reeling or spooling wire and the like. No. 1,233,106; July 10; v. 240; p. 551.
- Mygatt, Otis A., assignor to Holophane Glass Company, New York, N. Y. Making molds for ornamental glassware. No. 1,226,609; May 15; v. 238; p. 946.
- Mygatt, Otis A., New York, N. Y., assignor to Holophane Glass Company. Illuminating appliance. No. 1,236,594; Aug. 14; v. 241; p. 374.
- Myhran, Oscar. (See Koscisko, Michael, assignor.)
- Myhre, Arthur B., Tacoma, Wash. Log-bunk. No. 1,228,952; June 5; v. 239; p. 194.
- Mylius, Walter G. (See Bradshaw and Mylius.)
- Mylius, Walter G., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting mechanism for automobiles. No. 1,247,138; Nov. 20; v. 244; p. 659.
- Myrick, George H., assignor to Capital Electric Company, Chicago, Ill. Driving mechanism for washing-machine wringers. No. 1,216,478; Feb. 20; v. 235; p. 793.
- Myrie, Cecil, St. Andrew, Jamaica. Motor-cycle attachment. No. 1,241,423; Sept. 25; v. 242; p. 949.
- Myszker, Maxymilian J., Buffalo, N. Y. Gas-valve. No. 1,218,299; Mar. 6; v. 236; p. 145.
- N. O. Nelson Manufacturing Company. (See Lawnin and Stanb, assignors.)
- N. Y. Sanitary Food Corp. (See Clayton, Alfred J., assignor.)
- Naamlooze Vennootschap De Nederlandsche Thermo-Telefoon Maatschappij. (See de Lange and Van Lynden, assignors.)
- Naamlooze Vennootschap De Nederlandsche Thermo-Telefoon Maatschappij. (See Lange and Aernout, assignors.)
- Naamlooze Vennootschap Neo-Cellulose Maatschappij. (See Werst, Johannes J., assignor.)
- Naber, Emma, Leigh, Nebr. Skirt-marker. No. 1,219,343; Mar. 13; v. 236; p. 542.
- Nace, Charles A., Santa Clara, Cal. Automatic paper-adjuster and gage-pin for platen printing-presses. No. 1,241,241; Sept. 25; v. 242; p. 892.
- Nace, Levi W., G. W. Alexander, and M. H. Brown, Hanover, Pa. Case-clamp. No. 1,227,296; May 22; v. 238; p. 1218.
- Nace, Mabelle, Piedmont, Cal. Tire-tread. No. 1,226,358; May 15; v. 238; p. 867.
- Nachod, Carl P., Philadelphia, Pa., assignor to Nachod Signal Company, Inc. Signaling system. No. 1,223,413; Apr. 24; v. 237; p. 943.
- Nachod, Carl P., Philadelphia, Pa., assignor to Nachod Signal Company, Inc. Signaling system. No. 1,223,511; Apr. 24; v. 237; p. 980.
- Nachod, Carl P., Philadelphia, Pa., assignor to Nachod Signal Company, Inc. Signaling system. No. 1,225,736; May 8; v. 238; p. 610.
- Nachod Signal Company. (See Nachod, Carl P., assignor.)
- Nack, Frank and Frank, Jr., St. Louis, Mo. Key-fastener. No. 1,247,316; Nov. 20; v. 244; p. 710.
- Nack, Myrtle, Racine, Wis. Skirt-measuring device. No. 1,249,807; Dec. 11; v. 245; p. 430.
- Nacker, Owen M., assignor of one-half to A. P. Brush, Detroit, Mich. Valve-actuating mechanism. No. 1,222,194; Apr. 10; v. 237; p. 448.
- Nadeau, Bernard C., Fall River, Mass. Resilient wheel. No. 1,221,362; Apr. 3; v. 237; p. 127.
- Nader, Joseph. (See Stock and Nader.)
- Nading, Franklin A., Kenmare, N. D., assignor of one-half to O. A. Zuercher, Glasgow, Mont. Tractor-wheel. No. 1,250,486; Dec. 18; v. 245; p. 669.
- Naëder, Jules and M., La Montagne St. Germain, near St. Germain les Corbeil, France. Hydraulic transmission. No. 1,237,679; Aug. 21; v. 241; p. 763.
- Naëder, Maurice. (See Naëder, Jules and M.)
- Næser, Frederik C. C. V., and N. A. J. Lillendahl-Petersen, Copenhagen, Denmark. Telephone. No. 1,243,755; Oct. 23; v. 243; p. 826.
- Nafus, Nellie. (See Daniels and Nafus.)
- Nagel, August A., Antioch, Cal. Trap for sinks, &c. No. 1,238,802; Sept. 4; v. 242; p. 26.
- Nagel, Gustav J., New York, N. Y., assignor to G. H. Smith, Upper Montclair, N. J. Cigar-band. No. 1,215,051; Feb. 6; v. 235; p. 201.
- Nagel, Harry C., Wilksburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Clamp-type terminal. No. 1,248,528; Dec. 4; v. 245; p. 28.
- Nagel, John F. (See Newton, Charles, assignor.)
- Nagelberg, Alfred, Brooklyn, N. Y. Railway construction. No. 1,250,208; Dec. 18; v. 245; p. 586.
- Nagelvoort, Adriaan, New York, N. Y., assignor, by mesne assignments, to Virginia Haloid Company, Wilmington, Del. Recovering liquids used for separating solids of different specific gravities. No. 1,244,884; Oct. 30; v. 243; p. 1206.
- Nagelvoort, Adriaan, New York, N. Y., assignor, by mesne assignments, to Virginia Haloid Company, Wilmington, Del. Separating solids of different specific gravities. No. 1,244,885; Oct. 30; v. 243; p. 1206.
- Naginey, Samuel R., assignor of one-half to C. E. Maxwell, Bremen, Ohio. Electric-switch structure. No. 1,224,952; May 8; v. 238; p. 346.
- Nagle, Charles A., St. Louis, Mo. Safety attachment for pneumatic tools. No. 1,219,140; Mar. 13; v. 236; p. 473.
- Nagle, Edith M., Gibson City, Ill. Go-cart storm-apron. No. 1,220,529; Mar. 27; v. 236; p. 1026.
- Nagy, John. (See Escher and Nagy.)
- Nagy, Steven, Northampton, Mass. Automatic shutter-operating device for photographic apparatus. No. 1,212,383; Jan. 16; v. 234; p. 756.
- Nairn Linoleum Company. (See Brookes, Peter, assignor.)
- Nairn Linoleum Company, The. (See Sturrock, James F., assignor.)
- Naismith, Samuel, Chicago, Ill. Basic open-hearth furnace. No. 1,220,444; Mar. 27; v. 236; p. 996.
- Nakai, Hitasu, Havre, Mont. Telephone transmitter and mouthpiece. No. 1,225,672; May 8; v. 238; p. 589.
- Nakamigawa, Tetsushiro, New York, N. Y. Liquid-gage. No. 1,247,317; Nov. 20; v. 244; p. 710.
- Nakamizo, Hirotsume, Los Angeles, Cal. Combination brake and skid-preventing device. No. 1,236,971; Aug. 14; v. 241; p. 498.
- Nalder Brothers & Thompson. (See Gifford, Randolph D., assignor.)
- Nail, Edward, assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Vulcanizing-press. No. 1,242,365; Oct. 9; v. 243; p. 324.
- Nail, Edward, assignor to The Goodyear Tire and Rubber Company, Akron, Ohio. Machine for making flaps for pneumatic tires. No. 1,250,338; Dec. 18; v. 245; p. 625.

Alphabetical list of patentees—Continued.

- Nall, Edward, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Core-cooling apparatus. No. 1,251,088; Dec. 25; v. 245; p. 897.
- Nall, Charles P., Minneapolis, Minn., assignor to Nall Separator and Elevator Company. Pneumatic grain elevator and separator. No. 1,231,778; July 3; v. 240; p. 81.
- Nall Separator and Elevator Company. (See Nall, Charles P., assignor.)
- Nambu, Kiyohiko, Seattle, Wash. Support for window-washers. No. 1,241,424; Sept. 25; v. 242; p. 949.
- Nance, James W., Cincinnati, Ohio, assignor to Franklin Gas Turbine Company, Phoenix, Ariz. Gasket-screen. No. 1,236,100; Aug. 7; v. 241; p. 184.
- Nance, Turner H., Birmingham, Ala. Cigarette-paper holder for tobacco-receptacles. No. 1,213,680; Jan. 23; v. 234; p. 1242.
- Nangle, James M. (See Lelless and Nangle.)
- Napier, Charles, assignor to Napier Saw Works, Inc., Springfield, Mass. Manufacture of tempered saw-blades. No. 1,221,576; Apr. 3; v. 237; p. 202.
- Napier, Charles H. (See Napier, James W. and C. H.)
- Napier, George R., Macon, Ga. Lock for receptacle-closures. No. 1,230,316; June 19; v. 239; p. 736.
- Napier, James W. and C. H., Duquesne, Pa. Target throwing device. No. 1,222,446; Apr. 10; v. 237; p. 538.
- Napier, Peter, Chicago, Ill. Fender. No. 1,219,844; Mar. 20; v. 236; p. 747.
- Napier Saw Works. (See Napier, Charles, assignor.)
- Napier & Son Limited, D. (See Rowledge, Arthur J., assignor.)
- Naramor, Colton D., Caro, Mich. Vacuum bean-picker. No. 1,242,840; Oct. 9; v. 243; p. 477.
- Naramore, Beatrice, administratrix. (See Naramore, Walter D.)
- Naramore, Walter D., deceased, Denver, Colo.; B. Naramore, administratrix. Swab-holder. No. 1,223,196; Apr. 17; v. 237; p. 839.
- Nardon, Jacques C., Suresnes, France. Power-transmitting device for motor-vehicles. No. 1,211,335; Jan. 2; v. 234; p. 329.
- Narobe, Frank, New York, N. Y. Making bread. No. 1,224,492; May 1; v. 238; p. 136.
- Narragansett Machine Company. (See Armitage, Joseph B., assignor.)
- Narrow Fabric Company, The. (See Fry, Howard M., assignor.)
- Narunsky, Solomon, Baltimore, Md. Non-refillable bottle. No. 1,216,837; Feb. 20; v. 235; p. 916.
- Narunsky, Solomon, Baltimore, Md. Non-refillable bottle. No. 1,227,648; May 29; v. 238; p. 1363.
- Nash, Alexander Q., Kansas City, Mo. Oil-burner. No. 1,225,994; May 15; v. 238; p. 740.
- Nash, Charles J., assignor to Universal Draft Gear Attachment Co., Chicago, Ill. Draft-plate. No. 1,211,616; Jan. 9; v. 234; p. 458.
- Nash, Charles M., assignor of one-half to F. C. Johnson, Covina, Cal. Direction-indicator for automobiles. No. 1,225,721; May 8; v. 238; p. 606.
- Nash, Evan R., Hanford, Cal. Welding-torch. No. 1,230,204; June 19; v. 239; p. 699.
- Nash, Frances, New York, N. Y. Woman's garment. No. 1,232,068; July 3; v. 240; p. 180.
- Nash, Frederic J., Brooklyn, N. Y. Fertilizer and the manufacture thereof. No. 1,228,587; June 5; v. 239; p. 72.
- Nash, Lewis H., South Norwalk, Conn. Water-meter. No. 1,228,693; June 5; v. 239; p. 108.
- Nash Motors Company, The. (See Petrzilka, Josef, assignor.)
- Nash, Philip. (See Prussner, Nash, and Manger.)
- Nash, Thomas F., Baileyville, Ill. Serving-stand. No. 1,242,225; Oct. 9; v. 243; p. 281.
- Nash, Thomas J., assignor to National Manufacturing Co., Incorporated, Lincoln, Nebr. Automobile-jack. No. 1,230,315; June 19; v. 239; p. 736.
- Nash, Wesley C. (See Robinson and Nash.)
- Nashua Machine Co. (See Littlefield, Frank A., assignor.)
- Nasiet, Benjamin J., Brooklyn, assignor of one-half to A. H. Hotte, Morris Park, N. Y. Blade-sharpening. No. 1,217,981; Mar. 6; v. 236; p. 32.
- Nasmith, John W., Heaton Morsey, England. Box-covering machine. No. 1,212,241; Jan. 16; v. 234; p. 704.
- Nasmith, John W., Stockport, England. Combing-machine. No. 1,239,122; Sept. 4; v. 242; p. 130.
- Nasmith, John W., Stockport, England. Combing-machine. No. 1,239,123; Sept. 4; v. 242; p. 130.
- Nasse, Robert, assignor of one-half to A. Prohovsky, St. Paul, Minn. Tanning fur skins. No. 1,210,968; Jan. 2; v. 234; p. 204.
- Nater, Jean M., West Hoboken, N. J. Electric heater for carbureter air-intakes. No. 1,244,234; Oct. 23; v. 243; p. 971.
- Nathan, Edwin B., New York, N. Y. Automobile-hood cover. No. 1,227,181; May 22; v. 238; p. 1181.
- Nathan, Edwin B., New York, N. Y. Legging. No. 1,240,082; Sept. 11; v. 242; p. 458.
- Nathan, John, Los Angeles, Cal. Thermostatic regulator. No. 1,224,313; May 1; v. 238; p. 71.
- Nathan, Leopold, Zurich, Switzerland. Apparatus for cooling and rousing beer-wort and for precipitating sludge from same. No. 1,235,231; July 31; v. 240; p. 1334.
- Nathan Manufacturing Company, The. (See Morse, Albert W., assignor.)
- National-Acme Company, The. (See Cone, Frank L., assignor.)
- National-Acme Company, The. (See Rindfleisch, Benjamin F., assignor.)
- National Adhesive Company. (See Lynch, Thomas F., assignor.)
- National Adjustable Bed and Spring Company. (See Tonelle and Curtis, assignors.)
- National Aluminum Works. (See Serio, Philip H., assignor.)
- National Art Novelty Company. (See Kaplan, Ezra, assignor.)
- National Automatic Refrigerator Company. (See Keyes, Frederick G., assignor.)
- National Automatic Train Stop Company. (See Williams, James W., assignor.)
- National Automatic Typewriter Company, The. (See Pillings, John H., assignor.)
- National Automobile Equipment Company, The. (See Jenney, Charles D., assignor.)
- National Automobile Signal Company, The. (See Simpson, Louis F. and J. C., assignors.)
- National Binding Machine Company. (See Anable, Frederick S., assignor.)
- National Binding Machine Company. (See Blake, Philip W., assignor.)
- National Binding Machine Company. (See Brownson, Earl L., assignor.)
- National Blank Book Company. (See Merwin, John C., assignor.)
- National Blank Book Company. (See Schade, John, Jr., assignor.)
- National Bottle Washing Machine Company. (See Lally, John T., assignor.)
- National Brake & Electric Company. (See Aikman, Burton S., assignor.)
- National Brake & Electric Company. (See Richards, Walter J., assignor.)
- National Brass Manufacturing Co. (See Wray, Charles F., assignor.)
- National Brush Washing Machine Company. (See Trinks, Willibald, assignor.)
- National Bush Company. (See Lowy, Arthur, assignor.)
- National Bush Company. (See Ludlum, Albert C., assignor.)
- National Bush Company. (See Ludlum and Lowy, assignors.)
- National Can Co. (See Deginder, Adolph, assignor.)
- National Carbon Company. (See Bauer, Walter, assignor.)
- National Carbon Company. (See Benedict, Bernard, assignor.)
- National Carbon Company. (See Benner and French, assignors.)
- National Carbon Company. (See Clark, Emerson L., assignor.)
- National Carbon Company. (See Clymer, William R., assignor.)
- National Carbon Company. (See Ellis, Carleton, assignor.)
- National Carbon Company. (See French, Harry F., assignor.)
- National Carbon Company. (See Holmes, Major E., assignor.)
- National Carbon Company. (See Lang, Henry T., assignor.)
- National Carbon Company. (See Moffett, Marcus H., assignor.)
- National Carbon Company. (See Mott, William R., assignor.)
- National Carbon Company. (See Perris, Ben., assignor.)
- National Carbon Company. (See Shaw, William, assignor.)
- National Carbon Company. (See Spencer, Thomas, assignor.)
- National Carbon Company. (See Wacker, George W., assignor.)
- National Carbon Company. (See Walker, Robert P., assignor.)
- National Carbon Company. (See Wells, Alfred A., assignor.)
- National Carbon Company. (See Williams, Louis E., assignor.)
- National Carbon Company. (See Zachmann, William H., assignor.)
- National Cash Register Company, The. (See Carroll, Fred M., assignor.)
- National Cash Register Company, The. (See Carroll and Frank, assignors.)
- National Cash Register Company, The. (See Chryst, William A., assignor.)
- National Cash Register Company, The. (See Fuller, Frederick L., assignor.)
- National Cash Register Company, The. (See Jacob, Max, assignor.)
- National Cash Register Co., The. (See Machen, Albert S., assignor.) (Reissue.)
- National Cash Register Company, The. (See Martin, Haakon A., assignor.)
- National Cash Register Company, The. (See Midgley, Thomas, Jr., assignor.)
- National Cash Register Company, The. (See Skerl, Francesco, assignor.)

- National Cash Register Company, The. (See Von Pein, Edward J., assignor.)
 National Cash Register Company, The. (See Werner, John A., assignor.)
 National Casket Co. (See Wunderlich, Jacob H., assignor.)
 National Chemical Company. (See Braun, Philip N., assignor.)
 National Chemical Company. (See Llewellyn and Doyle, assignors.)
 National Chemical Company. (See Seltenreich, John J., assignor.)
 National Electric Specialty Company, The. (See Wiegand, Frederick B., assignor.)
 National Electric Utilities Corporation. (See Harth, August, assignor.)
 National Electric Utilities Corporation. (See Rice, Merritt H., assignor.)
 National Enameling & Stamping Company. (See Bloch, Gotthold, assignor.)
 National Enameling & Stamping Company, The. (See Wagandt, Charles L., assignor.)
 National Equipment Company. (See Bausman, Alonzo L., assignor.)
 National Equipment Company. (See Kihlgren, Theodor, assignor.)
 National Fibre Box Company. (See Walter, Harrison B., assignor.)
 National Fire Extinguisher Company. (See Melgs, Charles H., assignor.)
 National Fire Proofing Company. (See Wolfe, Charles C., assignor.)
 National Fireworks Distributing Company, The. (See Ziegler, Louis, assignor.)
 National Glass Casket Company. (See Jones, Marshall N., assignor.)
 National Gum & Mica Company. (See Alexander, Walter, assignor.)
 National India Rubber Company. (See Colt, Le Baron C., assignor.)
 National India Rubber Company. (See Jury, Alfred E., assignor.)
 National Lead Company. (See Moses, Asheleigh S., assignor.)
 National Life Preserver Company. (See Youngren, Oscar A., assignor.)
 National Lock Washer Company, The. (See Brown, Rudolph L., assignor.)
 National Lock Washer Company, The. (See Hoyt, Daniel, assignor.)
 National Malleable Castings Company, The. (See Buckius, Albert O., Jr., assignor.)
 National Malleable Castings Company, The. (See Bazeley, Arthur J., assignor.)
 National Malleable Castings Company, The. (See Blackmore, William, assignor.)
 National Malleable Castings Company, The. (See Howard, Pliny J., assignor.)
 National Malleable Castings Company, The. (See Kraukau, Harry T., assignor.)
 National Malleable Castings Company, The. (See Schmidt, Ernest H., assignor.)
 National Malleable Castings Company, The. (See Willison, John, assignor.)
 National Manufacturing Co. (See Ferris, Walter C., assignor.)
 National Manufacturing Co. (See Nash, Thomas J., assignor.)
 National Manufacturing Company. (See Huntoon, Frank T., assignor.)
 National Marking Machine Company, The. (See Mitchell, Clarence C., assignor.)
 National Metal Edge Box Company. (See Ritter, Roland H., assignor.)
 National Metal Molding Company. (See Abbott, Gilson, and Fullman, assignors.)
 National Metal Molding Company. (See Gilson, Henry R., assignor.)
 National Metal Molding Company. (See McCarthy, James B., assignor.)
 National Metals Company. (See Taylor, Hiram E., assignor.)
 National Meter Company. (See Barnes, Llewellyn T., assignor.)
 National Motor Supply Company, The. (See Britton, Jarvis A., assignor.)
 National Oil Well Electric Cleaning Co. (See Truman and Skillen, assignors.)
 National Paper Can Company. (See Hulbert, Edwin F., assignor.)
 National Paper Can Company. (See Krueger, Carl W., assignor.)
 National Piano Company, The. (See Holden, William E., assignor.)
 National Piano Manufacturing Company. (See Carlson, Karl O., assignor.)
 National Pneumatic Company. (See Gottschalk, Albert, assignor.)
 National Pneumatic Company. (See Rowntree, Harold, assignor.)
 National Police Signal Company. (See Miller, Louis W., assignor.)
 National Printing and Engraving Co. (See Bickerstaff, Roland M., assignor.)
 National Roller Gin Company. (See Dodd, William T., assignor.)
 National Safety Appliance Company, The. (See Sedgwick, Hiram G., assignor.)
 National Sanitary Service Company. (See Loeb, Maurice, assignor.)
 National Shoe Polishing Machine Corporation. (See Birdsall, James E., assignor.)
 National Silencer Company, The. (See Schmitt, Edmund, assignor.)
 National Spring Bed Company, The. (See Arnold, Harry B., assignor.)
 National Spring Bed Company, The. (See Porter and Arnold, assignors.)
 National Spring and Wire Company. (See Winans, James L., assignor.)
 National Steel Products Company. (See Bohannon, Robert S., assignor.)
 National Supply Company, The. (See Wright, Clyde S., assignor.)
 National Textile Machine Company. (See Buhl, Cay, assignor.)
 National Ticket Case Company. (See Blades, Leonard J., assignor.)
 National Torpedo Company. (See Davis, Cleland, assignor.)
 National Trust Company Limited. (See Gowlland, Henry O., assignor.)
 National Tube Company. (See Boyd and Saunders, assignors.)
 National Tube Company. (See McMillan, Frank P., assignor.)
 National X-Ray Reflector Company. (See Curtis, Augustus D., assignor.)
 National X-Ray Reflector Company. (See McKinnie, Earl C., assignor.)
 Natish, William, Great Kill, N. Y. Gear-hobbing machine. No. 1,213,236; Jan. 23; v. 234; p. 1088.
 Natomas Company of California. (See Oliver, Emery, assignor.)
 Natterstad, Charles, Kirkland, Wash. Spring-wheel. No. 1,246,307; Nov. 13; v. 244; p. 378.
 Natvig, Christian, Ivanhoe, Minn. Flower-pot. No. 1,214,356; Jan. 30; v. 234; p. 1505.
 Naugle, Philip D. (See Weller, Naugle, and Hyde.)
 Naul, James M., Plainfield, N. J., assignor to Bosch Magneto Company, New York, N. Y. Projection-lamp. No. 1,210,676; Jan. 2; v. 234; p. 104.
 Naul, James M., Plainfield, N. J., assignor to Bosch Magneto Company, New York, N. Y. Flexible coupling. No. 1,212,543; Jan. 16; v. 234; p. 812.
 Naumkeag Buffing Machine Company. (See Hodgkins, Edward F., assignor.)
 Nawiasky, Paul, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Anthraquinone compound. No. 1,238,932; Sept. 4; v. 242; p. 68.
 Naylor, Henry A., Valparaiso, Chile. Resilient tire. No. 1,211,869; Jan. 9; v. 234; p. 547.
 Naylor, Isaac, Los Angeles, and H. B. Ruggles, Pasadena, Cal. Receptacle or container. No. 1,226,359; May 15; v. 238; p. 868.
 Naylor, Isaac, and H. B. Ruggles, Chicago, Ill., assignors to American Products Company, Portland, Me. Reinforced drum or barrel. No. 1,215,970; Feb. 13; v. 235; p. 560.
 Naylor, James P., Dulwich, London, England. Apparatus for displaying advertisements, signaling, and the like. No. 1,213,528; Jan. 23; v. 234; p. 1190.
 Naylor, James P., Dulwich, England. Advertising or signaling apparatus. No. 1,222,658; Apr. 17; v. 237; p. 654.
 Naysmith, Frank M., Davenport, Iowa. Chiropractic table. No. 1,228,953; June 5; v. 239; p. 195.
 Naysmith, Frank M., T. J. Gillaspay, and F. D. Carl, assignors of one-half to said T. J. Gillaspay and one-half to A. D. Brownlie, Davenport, Iowa. Vulcanizing device. No. 1,225,845; May 15; v. 238; p. 690.
 Neafe, Andrew J., Mountain Lake, and C. B. French, Dover, N. J., assignors to Lackawanna Steel Company, Lackawanna, N. Y. Splice-bar for railway-rails. No. 1,226,360; May 15; v. 238; p. 868.
 Neahr, Jacob E., New York, N. Y. Match-igniting device. No. 1,216,349; Feb. 20; v. 235; p. 746.
 Neahr, Will C., assignor to The Protective Signal Manufacturing Company, Denver, Colo. Electric-circuit controller. No. 1,217,982; Mar. 6; v. 236; p. 33.
 Neahr, Will C., assignor to The Protective Signal Manufacturing Company, Denver, Colo. Electromagnetic device. No. 1,241,139; Sept. 25; v. 242; p. 859.
 Neal, Albert, Kokomo, Ind. Lifting-jack. No. 1,239,941; Sept. 11; v. 242; p. 419.
 Neal, Elmer E., Springfield, Mass., assignor, by mesne assignments, to The New Departure Manufacturing Company, Bristol, Conn. Apparatus for producing spherical objects. No. 1,217,205; Feb. 27; v. 235; p. 1086.
 Neal, James, Phoenix, Ariz. Gate-latching device. No. 1,240,242; Sept. 18; v. 242; p. 548.
 Neal, John W., assignor of one-half to A. A. Swayze, Monroe, La. Intake-valve control. No. 1,220,530; Mar. 27; v. 236; p. 1026.
 Neal, Lewis F., Hemet, Cal. Portière-pole. No. 1,234,066; July 17; v. 240; p. 897.

Alphabetical list of patentees—Continued.

- Neal, Malcolm A., *et al.* (See Gray, Harry M., assignor.)
 Neal, Marshall S., assignor to Trimble, Neal & Company, Kansas City, Mo. Sign. No. 1,236,862; Aug. 14; v. 241; p. 463.
 Neal, Richard O., Albany, Okla. Conveying mechanism. No. 1,227,182; May 22; v. 238; p. 1181.
 Neale, Charles C., Minneapolis, and R. W. Smith, St. Paul, Minn. Tare-weight compensator for beam-scales. No. 1,222,787; Apr. 17; v. 237; p. 699.
 Nealy, John E., New York, N. Y. Vending-machine. No. 1,250,487; Dec. 18; v. 245; p. 669.
 Near, Wilmer M., Shelby, Mich. Spark-plug tester. No. 1,245,368; Nov. 6; v. 244; p. 68.
 Nearing, Frank, New York, N. Y. Rotary engine. No. 1,241,755; Oct. 2; v. 243; p. 92.
 Neary, Michael J., Victoria, British Columbia, Canada. Platform-scale. No. 1,229,310; June 12; v. 239; p. 365.
 Neats, Clarence P., East Orange, N. J. Carbureter. No. 1,237,943; Aug. 21; v. 241; p. 844.
 Nebeling, Edmund R., New York, N. Y. Bracelet-lock. No. 1,217,048; Feb. 20; v. 235; p. 986.
 Nebergall, Philip V., La Grande, Oreg. Paper holder and cutter. No. 1,231,415; June 26; v. 239; p. 1143.
 Neckerman, Irvan, Annapolis, Md. Push-button operator. No. 1,219,344; Mar. 13; v. 236; p. 543.
 Nedoma, Charles L. (See MacPherson, Earle S., assignor.)
 Nedoma, Charles L., Detroit, Mich. Vehicle. No. 1,213,893; Jan. 30; v. 234; p. 1345.
 Nedoma, Charles L., Detroit, Mich. Universal joint. No. 1,226,688; May 22; v. 238; p. 1011.
 Nedoma, Charles L., Detroit, Mich. Universal joint. No. 1,226,689; May 22; v. 238; p. 1011.
 Nedoma, Charles L., assignor of one-half to F. M. Hawley, Detroit, Mich. Carbureter. No. 1,222,236; Apr. 10; v. 237; p. 464.
 Needham, Edmund T., San Antonio, Tex. Automobile-lock. No. 1,215,837; Feb. 13; v. 235; p. 512.
 Needham, Frank E., and B. W. Emerick, Salem, Oreg. Drying apparatus. No. 1,224,560; May 1; v. 238; p. 160.
 Needham, Harley V., Neosho, Mo. Dirigible automobile-headlight. No. 1,212,095; Jan. 9; v. 234; p. 622.
 Needham, Harry H., East Orange, N. J., assignor to General Electric Company. Manufacture of incandescent lamps. No. 1,231,416; June 26; v. 239; p. 1143.
 Needham, John L., assignor to The Boye Needle Company, Chicago, Ill. Jar-wrench. No. 1,227,183; May 22; v. 238; p. 1182.
 Needham, John L., assignor to The Boye Needle Company, Chicago, Ill. Needle-making machine. No. 1,248,152; Nov. 27; v. 244; p. 982.
 Needham, John T., New York, N. Y., assignor, by mesne assignments, to The Lamson Company, Newark, N. J. Pneumatic-despatch-tube apparatus. No. 1,223,414; Apr. 24; v. 237; p. 944.
 Needham, William H., D. P. Cook, Worcester, Mass., and E. Klahn, Weehawken Heights, N. J. Ball-bearing. No. 1,242,582; Oct. 9; v. 243; p. 395.
 Needle, Jacob, Brooklyn, N. Y. Drip-pan for sewing-machines. No. 1,237,680; Aug. 21; v. 241; p. 763.
 Neef, John H., Hoquiam, Wash. Clothes-drier. No. 1,250,626; Dec. 18; v. 245; p. 711.
 Neel, Benjamin F., Cullman, Ala. Mail-catcher. No. 1,249,993; Dec. 11; v. 245; p. 483.
 Neel, Claude, administrator. (See Borel and Grange.)
 Neeley, George S., assignor of one-half to T. O. Moloney, St. Louis, Mo. Device for manipulating fuse-boxes. No. 1,218,109; Mar. 6; v. 236; p. 78.
 Neeley, George S., assignor of one-half to T. O. Moloney, St. Louis, Mo. Gas-purifier. No. 1,235,998; Aug. 7; v. 241; p. 153.
 Neeley, George S., assignor of one-half to T. O. Moloney, St. Louis, Mo. Repair device for high-voltage electric transmission-lines. No. 1,235,999; Aug. 7; v. 241; p. 153.
 Neeley, George S., assignor of one-half to T. O. Moloney, St. Louis, Mo. Gas-purifier. No. 1,236,000; Aug. 7; v. 241; p. 154.
 Neeley, George S., assignor of one-half to T. O. Moloney, St. Louis, Mo. Fuse-support. No. 1,236,001; Aug. 7; v. 241; p. 154.
 Neeley, George S., Overland Park, assignor of one-half to T. O. Moloney, St. Louis, Mo. Safety repair device for high-voltage transmission-lines. No. 1,221,893; Apr. 10; v. 237; p. 344.
 Neeley, George S., Overland Park, assignor of one-half to T. O. Moloney, St. Louis, Mo. Safety repair device for high-voltage transmission-lines. No. 1,221,894; Apr. 10; v. 237; p. 344.
 Neely, Robert C., Waynesboro, Ga. Fence. No. 1,214,705; Feb. 6; v. 235; p. 79.
 Neer, Harry M. (See Miller and Neer.)
 Nees, Valentine. (See McDaniel, Albert E., assignor.)
 Neese, Elo. (See Heller and Neese.)
 Nefedov, Basil, New York, N. Y. Micrometric calipers. No. 1,243,545; Oct. 16; v. 243; p. 726.
 Neff, Albert C., Urbana, Ohio, and E. H. Ford, Wabash, Ind. Electrical attachment for reading meters. No. 1,244,634; Oct. 30; v. 243; p. 1130.
 Neff, Ambrose W., Powell, Ohio, assignor of one-half to G. W. Neff, New York, N. Y. Tire-protector. No. 1,211,214; Jan. 2; v. 234; p. 287.
 Neff Company, The. (See Neff, Douglas M., assignor.)
 Neff, Douglas M., East Cleveland, assignor to The Neff Company, Cleveland, Ohio. Folding stool. No. 1,215,689; Feb. 13; v. 235; p. 461.
 Neff, Garnet C., *et al.* (See Mathers, John A., assignor.)
 Neff, George W. (See Neff, Ambrose W., assignor.)
 Neff, John P., East Orange, N. J., assignor to American Arch Company, New York, N. Y. Locomotive-furnace arch. No. 1,229,380; June 12; v. 239; p. 389.
 Neff, John P., East Orange, N. J., assignor to American Arch Company, New York, N. Y. Arch construction for shallow fire-boxes. No. 1,229,392; June 12; v. 239; p. 392.
 Negrescou, John, Chicago, Ill. Washing-machine. No. 1,244,120; Oct. 23; v. 243; p. 937.
 Negrete, José M. C., Habana, Cuba. Food product. No. 1,243,964; Oct. 23; v. 243; p. 891.
 Negrete, Julio G., Habana, Cuba. Folding bed. No. 1,234,067; July 17; v. 240; p. 897.
 Negrete, Julius G., Cerro, Cuba. Spur. No. 1,225,350; May 8; v. 238; p. 482.
 Negus, Horatio V. S., Boundbrook borough, N. J. Lighting-fixture. No. 1,215,838; Feb. 13; v. 235; p. 512.
 Negus, William P., Gower township, Cedar county, Iowa. Composite road-wagon. No. 1,234,068; July 17; v. 240; p. 898.
 Neher, Robert V. (See Lauber and Neher.)
 Nehlsen, Hermann. (See Weiler and Nehlsen.)
 Nehr, William F., West Orange, N. J. Cleaning device. No. 1,220,531; Mar. 27; v. 236; p. 1027.
 Neider, Fred A., assignor to The F. A. Neider Company, Augusta, Ky. Vehicle-curtain fastener. No. 1,220,777; Mar. 27; v. 236; p. 1109.
 Neider, Fred A., assignor to The F. A. Neider Company, Augusta, Ky. Vehicle-curtain fastener. No. 1,234,791; July 31; v. 240; p. 1199.
 Neider, Fred A., assignor to The F. A. Neider Company, Augusta, Ky. Snap-fastener. No. 1,243,859; Oct. 23; v. 243; p. 859.
 Neidich, Samuel A., Edgewater Park, N. J., assignor to The American Multiphraph Company, Cleveland, Ohio. Making lithographic plates. No. 1,245,119; Oct. 30; v. 243; p. 1277.
 Neidich, Samuel A., Edgewater Park, N. J., assignor to The American Multiphraph Company, Cleveland, Ohio. Lithography. No. 1,245,120; Oct. 30; v. 243; p. 1277.
 Neidig, William J., Chicago, Ill. Type-writing machine. No. 1,218,688; Mar. 13; v. 236; p. 314.
 Neidlinger, George H., East Orange, N. J., assignor to Peerless Tube Co., New York, N. Y. Collapsible tube for paste. No. 1,227,297; May 22; v. 238; p. 1219.
 Neidlinger, Henry T., Oswego, N. Y. Making malt syrup. No. 1,227,184; May 22; v. 238; p. 1182.
 Neighbour, Arthur G. L., Beaumaris, Victoria, Australia. Change-speed gear for motors. No. 1,227,298; May 22; v. 238; p. 1219.
 Neighbour, William W., Spartanburg, S. C. Ball-retainer. No. 1,222,447; Apr. 10; v. 237; p. 538.
 Neikirk, John O., Lombard, Ill., assignor to Rodger Ballast Car Company, Railway-car. No. 1,233,596; July 17; v. 240; p. 749.
 Neikirk, John O., Lombard, Ill., assignor to Rodger Ballast Car Company. Dump-car. No. 1,242,226; Oct. 9; v. 243; p. 281.
 Neikirk, John O., Lombard, Ill., assignor to Rodger Ballast Car Company. Freight-car. No. 1,248,890; Dec. 4; v. 245; p. 136.
 Neil, Joseph B., Filbert, assignor to South Carolina Cotton Picker Company, Yorkville, S. C. Cotton-picker. No. 1,213,529; Jan. 23; v. 234; p. 1190.
 Neil, Joseph B., Filbert, assignor to South Carolina Cotton Picker Co., Yorkville, S. C. Cotton-picker. No. 1,223,328; Apr. 17; v. 237; p. 880.
 Neill, Marcus H., *et al.* (See Mathers, John A., assignor.)
 Neill, Strange B., and J. B. Hamilton, Kansas City, Kans. Dredging apparatus. No. 1,223,066; Apr. 17; v. 237; p. 794.
 Neilson, John. (See Babcock, Clifford D., assignor.)
 Neilson, Lyon W. (See Guthrie and Neilson.)
 Neilson, Theophilus F., Palisade, N. J. Explosion-engine. No. 1,221,081; Apr. 3; v. 237; p. 27.
 Neiman, Albert O. A., assignor of one-half to W. P. Davies, Topeka, Kans. Door buffer and retainer. No. 1,220,673; Mar. 27; v. 236; p. 1075.
 Neimeyer, Charles, Little Rock, Ark. Resilient wheel. No. 1,228,809; June 5; v. 239; p. 149.
 Neiswender, Aaron, Orwigsburg, assignor of one-half to H. W. Weston, Pottsville, Pa. Metallic railway-tie. No. 1,223,895; Apr. 24; v. 237; p. 1116.
 Neils, Thomas J., Frankford, Pa. Collar-button. No. 1,240,476; Sept. 18; v. 242; p. 622.
 Nellans, Brodie S., Elbing, Kans. Resilient wheel. No. 1,213,936; Jan. 30; v. 234; p. 1358.
 Nelles, Melville G., Toronto, Ontario, Canada. Phonographic-disk-record holder. No. 1,235,362; July 31; v. 240; p. 1374.
 Nelsen, Nels C., assignor of one-third to L. N. Wood, Oakland, and two-thirds to S. W. Smith, Berkeley, Cal. Wall-bed. No. 1,243,336; Oct. 16; v. 243; p. 664.
 Nelson, Al, Ripley, Tenn. Submerged heater. No. 1,240,477; Sept. 18; v. 242; p. 623.
 Nelson, Albert M., Doland, S. D. End-gate-locking mechanism. No. 1,223,822; Apr. 24; v. 237; p. 1090.

- Nelson, Alfred A. and W., Atlantic, Iowa. Harrow. No. 1,243,203; Oct. 16; v. 243; p. 625.
- Nelson, Alfred C., Lakewood, Ohio. Regenerative stove. No. 1,227,820; May 29; v. 238; p. 1423.
- Nelson, Algonern W., *et al.* (See Webb, Benjamin T., assignor.)
- Nelson, Anna J., Nome, Alaska. Combined necktie stretcher and hanger. No. 1,242,841; Oct. 9; v. 243; p. 477.
- Nelson, Anton R. (See Knoch and Nelson.)
- Nelson, Arthur F., Harrisburg, Pa. Rolling-mill. No. 1,241,242; Sept. 25; v. 242; p. 893.
- Nelson, Axel, Grove City, Minn. Fastener for winkers. No. 1,234,928; July 31; v. 240; p. 1242.
- Nelson, Ben S. (See Luery, Levis, and Nelson.)
- Nelson, Benjamin H., St. Thomas, Minn. Traveling shock-gatherer. No. 1,216,350; Feb. 20; v. 235; p. 747.
- Nelson, Bernt A., Muskegon, Mich. Rail-drilling machine. No. 1,246,144; Nov. 13; v. 244; p. 329.
- Nelson, Carl, Toledo, Oreg. Extension-table. No. 1,243,621; Oct. 16; v. 243; p. 750.
- Nelson, Carl F., Council Bluffs, Iowa. Weigher and sacker. No. 1,217,334; Feb. 27; v. 235; p. 1129.
- Nelson, Carl F., assignor to Tom Thumb Tractor Company, Minneapolis, Minn. Traction-belt. No. 1,235,915; Aug. 7; v. 241; p. 127.
- Nelson, Carl J., Menomonee Falls, Wis. Clutch. No. 1,235,151; July 31; v. 240; p. 1310.
- Nelson, Carl L. W., assignor to The Vega Company, Boston, Mass. Cornet and the like. No. 1,232,069; July 3; v. 240; p. 181.
- Nelson, Carl O., East Pittsburgh, Pa. Hook-scale. No. 1,238,045; Aug. 21; v. 241; p. 877.
- Nelson, Charles A., Utica, N. Y., assignor to Savage Arms Corporation. Firearm. No. 1,239,124; Sept. 4; v. 242; p. 130.
- Nelson, Charles A., Utica, N. Y., assignor to Savage Arms Corporation. Firearm. No. 1,246,984; Nov. 20; v. 244; p. 616.
- Nelson, Charles A., assignor to Savage Arms Corporation, Utica, N. Y. Firearm-safety. No. 1,249,175; Dec. 4; v. 245; p. 216.
- Nelson, Charles H., Vulcan, Alberta, Canada. Grain-pickling machine. No. 1,244,761; Oct. 30; v. 243; p. 1169.
- Nelson, Charles L. (See Ralston, Isaac J., assignor.)
- Nelson, Charles R., New York, N. Y., assignor to J. W. Hatch, North Girard, Pa. Forming garment-stays. No. 1,219,845; Mar. 20; v. 236; p. 747.
- Nelson, Charles R., New York, N. Y., assignor to J. W. Hatch, North Girard, Pa. Forming wire stays. No. 1,246,145; Nov. 13; v. 244; p. 330.
- Nelson, Charles T., Oakland, Nebr. Automobile-jack. No. 1,224,561; May 1; v. 238; p. 160.
- Nelson, Clarence N., Canby, Minn. Adjustable bed-table. No. 1,247,990; Nov. 27; v. 244; p. 938.
- Nelson, De Witt, assignor to Tom Thumb Tractor Company, Minneapolis, Minn. Traction-belt. No. 1,230,504; June 19; v. 239; p. 798.
- Nelson, Dora B., Buffalo, N. Y. Hat-holder. No. 1,231,635; July 3; v. 240; p. 32.
- Nelson, Emil A., Ronville, Mich. Brake mechanism for motor-vehicles. No. 1,211,742; Jan. 9; v. 234; p. 500.
- Nelson, Emil A., Ronville, Mich. Internal-combustion engine. No. 1,247,318; Nov. 20; v. 244; p. 711.
- Nelson, Frans A., Chicago, Ill. Music-indicator. No. 1,240,085; Sept. 11; v. 242; p. 459.
- Nelson, Fred S., Medicine Bow, Wyo. Safety pocket device. No. 1,213,894; Jan. 30; v. 234; p. 1345.
- Nelson, George F., Berkeley, Cal. Vacuum-pump. No. 1,218,300; Mar. 6; v. 236; p. 145.
- Nelson, George F., Washington, D. C. Motor for massage apparatus. No. 1,224,008; Apr. 24; v. 237; p. 1153.
- Nelson, George W., assignor to The Standard Sewing Machine Company, Cleveland, Ohio. Sewing-machine. No. 1,228,125; May 29; v. 238; p. 1526.
- Nelson, George W., assignor to The Standard Sewing Machine Company, Cleveland, Ohio. Thread-controlling mechanism for sewing-machines. No. 1,240,868; Sept. 25; v. 242; p. 776.
- Nelson, George W., assignor to The Standard Sewing Machine Company, Cleveland, Ohio. Buttonhole-sewing machine. No. 1,247,139; Nov. 20; v. 244; p. 660.
- Nelson, Harley S., Coeur d'Alene, Idaho. Ash-pan. No. 1,238,555; Aug. 28; v. 241; p. 1078.
- Nelson, Harmon O., assignor to Whitin Machine Works, Whitinsville, Mass. Journal-bearing. No. 1,218,203; Mar. 6; v. 236; p. 110.
- Nelson, Harvey H., Roselawn, Ind. Support for grain-binder engines. No. 1,214,944; Feb. 6; v. 235; p. 162.
- Nelson, Henry W., New York, N. Y. Concrete-mixer. No. 1,235,589; Aug. 7; v. 241; p. 20.
- Nelson, Herbert G., New Kamille, Wash. Flying-machine. No. 1,239,942; Sept. 11; v. 242; p. 419.
- Nelson, Herman, assignor to John A. McGarry & Company, Chicago, Ill. Draft device. No. 1,223,093; Apr. 17; v. 237; p. 803.
- Nelson, Hilmer, San Jose, Cal. Enlarged spindle and wheel-hub. No. 1,229,311; June 12; v. 239; p. 365.
- Nelson, Ida, Gibson City, Ill. Scissors-guide and tape-measure. No. 1,218,798; Mar. 13; v. 236; p. 355.
- Nelson, Ira, North Escanaba, Mich. Dispensing-bin. No. 1,219,846; Mar. 20; v. 236; p. 748.
- Nelson, James M. (See Smith, James H., assignor.)
- Nelson, John A. (See Spangler, John H., assignor.)
- Nelson, John E. (See Marr and Nelson.)
- Nelson, Joseph H., Sioux City, Iowa. Garment-hanger for auditorium-seats. No. 1,219,476; Mar. 20; v. 236; p. 618.
- Nelson, Lewis C., Coffeyville, Kans., assignor to Ludowici-Celadon Company, Chicago, Ill. Tile-forming apparatus. No. 1,214,706; Feb. 6; v. 235; p. 79.
- Nelson, Lewis D., Union City, Mich. Bag-tying machine. No. 1,226,794; May 22; v. 238; p. 1049.
- Nelson, Ludvig, Deary, Idaho. Wrench. No. 1,240,762; Sept. 18; v. 242; p. 709.
- Nelson, Malvin M., Victorville, Cal. Paint-brush holder. No. 1,215,052; Feb. 6; v. 235; p. 201.
- Nelson, Martin. (See Todd and Nelson.)
- Nelson, Martin O., Brooklyn, N. Y. Window-screen. No. 1,220,881; Mar. 27; v. 236; p. 1146.
- Nelson, Martin O., Brooklyn, N. Y. Window-screen. No. 1,241,425; Sept. 25; v. 242; p. 950.
- Nelson, Nels A. (See Manc and Nelson.)
- Nelson, Nels C. (See Satterquist and Nelson.)
- Nelson, Nels H. (See McNulty, Nelson, and Jessen.)
- Nelson, Nels I. (See Hanson and Nelson.)
- Nelson, Nicholas B., East Chicago, Ind. Pistol-sword. No. 1,240,478; Sept. 18; v. 242; p. 623.
- Nelson, Noah C., Imperial, Cal. Bean-vine-gathering apparatus. No. 1,226,573; May 15; v. 238; p. 935.
- Nelson, Ollie T., Tacoma, Wash. Boiler. No. 1,235,916; Aug. 7; v. 241; p. 127.
- Nelson, Oscar, *et al.* (See Andrews, Al, assignor.)
- Nelson, Oscar, Long Beach, Cal. Shell-fish trap. No. 1,241,426; Sept. 25; v. 242; p. 950.
- Nelson, Oscar W. (See White and Nelson.)
- Nelson, Peter N., Minneapolis, Minn. Tamping device for concrete-block machines. No. 1,220,532; Mar. 27; v. 236; p. 1027.
- Nelson, Pher H., Duluth, Minn. Constructing the hulls of ships. No. 1,244,762; Oct. 30; v. 243; p. 1169.
- Nelson, Reuben E., Simla, Colo. Dirigible headlight. No. 1,234,792; July 31; v. 240; p. 1199.
- Nelson, Robert, Minneapolis, Minn. Tool-holder. No. 1,222,448; Apr. 10; v. 237; p. 539.
- Nelson, Robert, Hillrose, Colo. Beet-digger. No. 1,248,379; Nov. 27; v. 244; p. 1046.
- Nelson, Robert A., Oakland, Cal. Trammel. No. 1,219,141; Mar. 13; v. 236; p. 473.
- Nelson, Robert M., assignor of three-fourths to M. Phillips and one-fourth to G. W. Maskers, Detroit, Mich. Automobile-fender. No. 1,229,124; June 5; v. 239; p. 252.
- Nelson, Rupert, San Francisco, Cal. Method of and apparatus for detecting the presence of ore deposits in the earth. No. 1,248,380; Nov. 27; v. 244; p. 1047.
- Nelson, Swan A., Tunnelhill, Pa. Adjustable screen-door. No. 1,235,152; July 31; v. 240; p. 1310.
- Nelson, Swan A., and O. London, assignors of one-third to M. Collar, Patton, Pa. Spike. No. 1,233,108; July 10; v. 240; p. 551.
- Nelson Valve Company. (See Yarnall, David R., assignor.)
- Nelson, Victor E., assignor of forty-nine one-hundredths to A. T. Harrow, Detroit, Mich. Metallic packing. No. 1,223,605; Apr. 24; v. 237; p. 1012.
- Nelson, Walter. (See Nelson, Alfred A. and W.)
- Nelson, William J., assignor to West Albany Moulding Sand Co., West Albany, N. Y. Apparatus for mixing molding-sand. No. 1,224,659; May 1; v. 238; p. 193.
- Nelson, Willie W., and L. E. McDonal, Monticello; said McDonal assignor of his entire right to W. W. Weathersby, Brookhaven, Miss. Front-wheel drive. No. 1,222,449; Apr. 10; v. 237; p. 539.
- Nemec, Joseph, assignor of one-third to A. L. Beardsley and one-third to C. E. Oliver, Chicago, Ill. Door-holder. No. 1,241,478; Sept. 25; v. 242; p. 966.
- Némédý, Alexander, Yonkers, N. Y. Folding box. No. 1,224,493; May 1; v. 238; p. 136.
- Neeno, Clayton A., Buffalo, N. Y. Sterilizing apparatus. No. 1,224,201; May 1; v. 238; p. 30.
- Neostyle Envelope Company. (See Hammel, Walter F., assignor.)
- Neptune Meter Company. (See Krieg, Conrad, assignor.)
- Neptune, Richard C., St. Louis, Mo. Roofing. No. 1,226,904; May 22; v. 238; p. 1085.
- Nernst, Walther, assignor to Deutsche Gasglühlicht, Aktiengesellschaft (Auergesellschaft), Berlin, Germany. Metallic vapor-lamp. No. 1,244,121; Oct. 23; v. 243; p. 937.
- Nero, Arvid H., New Britain, assignor to The Arrow Electric Company, Hartford, Conn. Attachment-plug receptacle. No. 1,231,417; June 26; v. 239; p. 1144.
- Nero, Arvid H., New Britain, assignor to The Arrow Electric Company, Hartford, Conn. Electric switch. No. 1,234,069; July 17; v. 240; p. 898.
- Nero, Arvid H., New Britain, assignor to The Arrow Electric Company, Hartford, Conn. Electric-lamp socket. No. 1,245,949; Nov. 6; v. 244; p. 243.
- Nero, John J., West Hartford, Conn. Box-corner. No. 1,215,839; Feb. 13; v. 235; p. 513.
- Nesbit, Joseph N. G., Atlanta, Ga. Non-refillable bottle. No. 1,243,965; Oct. 23; v. 243; p. 891.
- Nesbit, Leroy D., Los Angeles, Cal. Apparatus for developing or intensifying photographic plates. No. 1,233,109; July 10; v. 240; p. 551.

Alphabetical list of patentees—Continued.

- Nesbitt, James H., Cleveland, Ohio. Automobile-cradle. No. 1,232,070; July 3; v. 240; p. 181.
- Nesbitt, Robert, Burlington, Kans. Plastic waterproof composition. No. 1,217,335; Feb. 27; v. 235; p. 1129.
- Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,218,301; Mar. 6; v. 236; p. 146.
- Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,218,302; Mar. 6; v. 236; p. 146.
- Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,218,303; Mar. 6; v. 236; p. 146.
- Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,218,304; Mar. 6; v. 236; p. 147.
- Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,218,305; Mar. 6; v. 236; p. 147.
- Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,239,208; Sept. 4; v. 242; p. 156.
- Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,239,209; Sept. 4; v. 242; p. 156.
- Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,239,210; Sept. 4; v. 242; p. 157.
- Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,245,495; Nov. 6; v. 244; p. 105.
- Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,245,496; Nov. 6; v. 244; p. 105.
- Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,250,488; Dec. 18; v. 245; p. 669.
- Nesbitt, William J., Los Angeles, Cal. Heel-cutting apparatus. No. 1,250,489; Dec. 18; v. 245; p. 670.
- Nesler, Lewis A., Niles, Cal. Shoe-shining stand. No. 1,221,363; Apr. 3; v. 237; p. 127.
- Nesmith, Ralph A., assignor to one-half to W. H. Sibbald, Los Angeles, Cal. Tray-washer. No. 1,229,644; June 12; v. 239; p. 478.
- Nesmith, Ralph A., and W. H. Sibbald, Los Angeles, Cal. Folding table. No. 1,229,645; June 12; v. 239; p. 478.
- Nesmith, Samuel D., La Jolla, Cal. Electric water-heater. No. 1,224,117; Apr. 24; v. 237; p. 1189.
- Ness, Charles M., and C. T. Thompson, Philadelphia, Pa. Racket-press. No. 1,226,986; May 22; v. 238; p. 1115.
- Ness, William, Spring Grove, Pa. Wrench. No. 1,221,577; Apr. 3; v. 237; p. 203.
- Nestler, William L., Poughkeepsie, N. Y. Guard for gas-jets. No. 1,250,627; Dec. 18; v. 245; p. 711.
- Nestor Manufacturing Co. (See Cumner and Geissenhainer, assignors.)
- Netcott, George A., Independence, Iowa. Swing. No. 1,228,694; June 5; v. 239; p. 109.
- Nethercutt, John W., Huntington, W. Va. Street-crossing signal. No. 1,232,375; July 3; v. 240; p. 279.
- Netherland, Elmore, Liberty, Ind. Extensible wagon-body. No. 1,238,180; Aug. 28; v. 241; p. 955.
- Nettenstrom, David, Chicago, Ill. Folding tent. No. 1,219,847; Mar. 20; v. 236; p. 748.
- Nettgens, Heinrich, Herrliberg, Switzerland. Cementation and hardening of metallic objects. No. 1,247,863; Nov. 27; v. 244; p. 902.
- Nettleton, George R., assignor to The W. & E. T. Fitch Co., New Haven, Conn. Buckle. No. 1,213,530; Jan. 23; v. 234; p. 1191.
- Nettleton, George R., assignor to The W. & E. T. Fitch Co., New Haven, Conn. Separable fastener. No. 1,214,945; Feb. 6; v. 235; p. 162.
- Nettleton, George R., assignor to The W. & E. T. Fitch Co., New Haven, Conn. Buckle. No. 1,220,533; Mar. 27; v. 236; p. 1028.
- Neu, Clarence W., Georgetown, Ohio. Corn snapper and shredder. No. 1,221,364; Apr. 3; v. 237; p. 127.
- Neu, George, Sr., Cincinnati, Ohio. Umbrella. No. 1,228,810; June 5; v. 239; p. 149.
- Neu, Hugo, New York, N. Y., and L. Blaha, Lyndhurst, N. J. Lock for automobile steering-wheels. No. 1,231,050; June 26; v. 239; p. 1021.
- Neu-Metals and Process Company. (See Gleason, Edward D., assignor.)
- Neubauer, Carl E., et al. (See Mathews, John S., assignor.)
- Neubaur, Erich, assignor to the Firm of H. Aron Elektrizitätszählerfabrik G. m. b. H., Charlottenburg, near Berlin, Germany. Manufacturing electric measuring instruments. No. 1,246,308; Nov. 13; v. 244; p. 378.
- Neubert, Fritz E., assignor to Gesellschaft für Papierhohlkörper und Maschinenanlagen m. b. H., Penig, Germany. Apparatus for making containers of paper and the like. No. 1,248,381; Nov. 27; v. 244; p. 1047.
- Neuberth, Franklin G., assignor to The S. O. & C. Co., Ansonia, Conn. Button. No. 1,210,677; Jan. 2; v. 234; p. 104.
- Neuberth, George E., Newark, N. J. Making copper and similar bands. No. 1,236,470; Aug. 14; v. 241; p. 334.
- Neudorf, Franz, Horndean, Manitoba, Canada. Rail-joint. No. 1,217,622; Feb. 27; v. 235; p. 1234.
- Neuens, Michael W., assignor to Western Implement Company, Port Washington, Wis. Knockdown bench. No. 1,228,954; June 5; v. 239; p. 195.
- Neuens, Nick H., Pierce, Nebr. Boiler attachment. No. 1,241,002; Sept. 25; v. 242; p. 818.
- Neufeldt, Emil, Bromberg, assignor to Bromberger Maschinenbau-Anstalt, Gesellschaft mit beschränkter Haftung, Prinzental, near Bromberg, Germany. Press for beet-root cuttings, bagasse, and the like. No. 1,245,950; Nov. 6; v. 244; p. 243.
- Neuhoff, Hector, Jr. (See Quernheim and Neuhoff.)
- Neuland, Alfons H., San Francisco, Cal. Dynamo-electric machine. No. 1,212,544; Jan. 16; v. 234; p. 812.
- Neuland, Alfons H., San Francisco, Cal. Electromagnetic power transmitting and converting apparatus. No. 1,242,714; Oct. 9; v. 243; p. 437.
- Neuland, Alfons H., Bergenfield, N. J. Dynamo-electric machine. No. 1,223,094; Apr. 17; v. 237; p. 803.
- Neuland, Alfons H., Bergenfield, N. J. Induction power transmitting device. No. 1,223,095; Apr. 17; v. 237; p. 804.
- Neuland, Alfons H., New York, N. Y. Dynamo-electric machine. No. 1,223,096; Apr. 17; v. 237; p. 804.
- Neuland, Alfons H., New York, N. Y. Induction device. No. 1,227,185; May 22; v. 238; p. 1182.
- Neuland, Alfons H., New York, N. Y. Dynamo-electric machine. No. 1,233,899; July 17; v. 240; p. 845.
- Neuland, Alfons H., New York, N. Y. Alternating-current motor. No. 1,233,900; July 17; v. 240; p. 845.
- Neuland, Alfons H., New York, N. Y. Induction device. No. 1,237,944; Aug. 21; v. 241; p. 844.
- Neuland, Alfons H., New York, N. Y. Alternating-current motor. No. 1,245,762; Nov. 6; v. 244; p. 186.
- Neuland, Alfons H., New York, N. Y. Method of and apparatus for transmitting power. No. 1,246,643; Nov. 13; v. 244; p. 480.
- Neuland, Alfons H., assignor to Neuland Magneto Company, San Francisco, Cal. Magneto. No. 1,221,208; Apr. 3; v. 237; p. 74.
- Neuland, Alfons H., San Francisco, Cal., assignor to Neuland Electrical Company Inc. Dynamo-electric machine. No. 1,211,617; Jan. 9; v. 234; p. 458.
- Neuland, Alfons H., San Francisco, Cal., assignor to Neuland Electrical Company, Inc. Induction-machine. No. 1,237,681; Aug. 21; v. 241; p. 763.
- Neuland, Alfons H., assignor to Neuland Electrical Company, San Francisco, Cal. Dynamo-electric machine. No. 1,237,682; Aug. 21; v. 241; p. 764.
- Neuland Electrical Company. (See Neuland, Alfons H., assignor.)
- Neuland Magneto Company. (See Neuland, Alfons H., assignor.)
- Neuman, Albert, Denver, Colo. Grass-conveyer for lawnmowers. No. 1,248,382; Nov. 27; v. 244; p. 1047.
- Neumann, Bernhard A., Kansas City, Kans. Cash-register. No. 1,247,709; Nov. 27; v. 244; p. 857.
- Neumann, John, Chicago, Ill. Sealing-washer for jars. No. 1,215,399; Feb. 13; v. 235; p. 353.
- Neumann, John, Chicago, Ill. Article of jewelry. No. 1,216,479; Feb. 20; v. 235; p. 793.
- Neumann, John, Chicago, Ill. Wood stopper for bottles. No. 1,247,864; Nov. 27; v. 244; p. 902.
- Neumann, John, Philadelphia, Pa. Oil-distributor. No. 1,226,905; May 22; v. 238; p. 1085.
- Neumann, John, assignor of one-half to H. N. Claussen, Chicago, Ill. Sealing-disk for bottle-stoppers. No. 1,230,594; June 19; v. 239; p. 829.
- Neumann, Mahlon J., Wymore, Nebr. Embroidered trimming. No. 1,215,400; Feb. 13; v. 235; p. 353.
- Neumann, Max F. (See Kipniss and Neumann.)
- Neumayer, Maximilian J. (See Neumayer, Maximilian P. and M. J.)
- Neumayer, Maximilian J., assignor to American Car and Foundry Company, St. Louis, Mo. Adjustably-clamped roof. No. 1,244,763; Oct. 30; v. 243; p. 1170.
- Neumayer, Maximilian J., assignor to American Car and Foundry Company, St. Louis, Mo. Drop-brake-shaft mechanism. No. 1,244,764; Oct. 30; v. 243; p. 1170.
- Neumayer, Maximilian P., St. Charles, and M. J. Neumayer, St. Louis, Mo. Axle-driven generator for train-lighting systems. No. 1,218,110; Mar. 6; v. 236; p. 78.
- Neumerkel, Max, Madison, Conn. Foldable box. No. 1,226,906; May 22; v. 238; p. 1085.
- Neuneker, Ernest L., near Bushnell, Ill. Animal-trap. No. 1,244,069; Oct. 23; v. 243; p. 922.
- Neuroth, Fritz, Bruckhausen, Hamborn, Germany. Declination-recorder for bore-holes. No. 1,215,840; Feb. 13; v. 235; p. 514.
- Neuteboom, Boudewijn B. (See Taylor and Neuteboom.)
- Neveu, Frank A., Dallas, Tex. Radiator-supporting frame. No. 1,213,401; Jan. 23; v. 234; p. 1146.
- Neville, Asa G., Wellsburg, W. Va. Locking device for motor-vehicles. No. 1,226,241; May 15; v. 238; p. 826.
- Neville, Asa G., Wellsburg, W. Va. Steering-wheel. No. 1,239,943; Sept. 11; v. 242; p. 420.
- Neville, Asa G., Wellsburg, W. Va. Steering-wheel lock mechanism. No. 1,237,683; Aug. 21; v. 241; p. 764.
- Neville, John, Duluth, Minn. Adjuster for outriggers. No. 1,223,512; Apr. 24; v. 237; p. 981.
- Neville, William, Duluth, Minn. Gasoline-evaporator. No. 1,226,107; May 15; v. 238; p. 780.
- Nevins-Church Press. (See Reese, Charles, assignor.)
- New Britain Machine Company, The. (See Brown, Robert S., assignor.)
- New Britain Machine Company, The. (See Spencer, Christopher M., assignor.)
- New Departure Manufacturing Company, The. (See Bidwell, Clarence G., assignor.)
- New Departure Manufacturing Company, The. (See Copeland, James S., assignor.)
- New Departure Manufacturing Company, The. (See Hughes, Frederick G., assignor.)
- New Departure Manufacturing Company, The. (See Moskovic, Fredrick E., assignor.)

- New Departure Manufacturing Company, The. (See Neal, Elmer E., assignor.)
 New Departure Manufacturing Company, The. (See Page, Victor W., assignor.)
 New Departure Manufacturing Company, The. (See Rockwell, Albert F., assignor.)
 New Departure Manufacturing Company, The. (See Simons, Charles B., assignor.)
 New Era Spinning Co. (See Bélanger, Victor, assignor.)
 New Era Spring & Specialty Company. (See Jackson, Joseph W., assignor.)
 New Haven Clock Co. (See Porter, Wilson E., assignor.)
 New Idea Spreader Company. (See Synck, Henry, assignor.)
 New Idea Spreader Co. (See Synck and Rollman, assignors.)
 New Jersey Car Spring & Rubber Co. (See Wenzel, Stephen, assignor.)
 New Jersey Foundry & Machine Company. (See Hescok, Ethan N., assignor.)
 New Jersey Patent Company. (See Allen, Harry P., assignor.)
 New Jersey Patent Company. (See Aylsworth, Jonas W., assignor.)
 New Jersey Patent Company. (See Chester, Jerry, assignor.)
 New Jersey Patent Company. (See Edison, Thomas A., assignor.)
 New Jersey Patent Company. (See Gall, Adolph F., assignor.)
 New Jersey Patent Company. (See Gall and Curtiss, assignors.)
 New Jersey Patent Company. (See Holland, Newman H., assignor.)
 New Jersey Patent Company. (See Langley, Sam G., assignor.)
 New Jersey Patent Company. (See Philpot, Brian F., assignor.)
 New Jersey Patent Company. (See Pierman, Alexander N., assignor.)
 New Jersey Patent Company. (See Pike, Irwin D., assignor.)
 New Jersey Patent Company. (See Schiff, Charles, assignor.)
 New Jersey Patent Company. (See Weber, Peter, assignor.)
 New Jersey Quilting Co. (See Hildt, August, assignor.)
 New Jersey Testing Laboratories. (See Ellis, Carleton, assignor.)
 New Jersey Tube Company. (See Close, James, assignor.)
 New Jersey Zinc Company The. (See Borchardt, Walter O., assignor.)
 New Jersey Zinc Company. (See Brooks and Duncan, assignors.)
 New Jersey Zinc Company, The. (See Fiske, Charles P., assignor.)
 New Jersey Zinc Company. (See Rigg, Gilbert, assignor.)
 New Jersey Zinc Company, The. (See Rigg and Coursen, assignors.)
 New Method Stove Company. (See Baxter, Berry A., assignor.)
 New Method Stove Company. (See Sanford, Henry H., assignor.)
 New Process Filler Co. (See Eisenschiml, Otto, assignor.)
 New Process Gasoline Co. (See McKee, Ralph H., assignor.)
 New Process Specialty Company. (See Wheelock, Carl M., assignor.)
 "New-Way" Motor Company, The. (See Goodnow, Earle W., assignor.)
 New York Attachable Player Action Co. (See Scott, Ray W., assignor.)
 New York Belting & Packing Company. (See Cobb, Willard H., assignor.)
 New York Belting and Packing Company. (See Crawford, Neil D., assignor.)
 New York Belting and Packing Company. (See Ostromlensky, Iwan, assignor.)
 New York Belting and Packing Company. (See Price, Raymond B., assignor.)
 New York Coil Company. (See Rhoades, Lewis T., assignor.)
 New York Couch Bed Company. (See Sisbower and Pitoni, assignors.)
 New York Electric Lamp Company. (See Knapp, William, assignor.)
 New York Lens Company. (See Allen, Clile C., assignor.)
 New York Revolving Portable Elevator Company. (See Boehck and Germond, assignors.)
 New York Revolving Portable Elevator Company. (See Germond, Henry S., Jr., assignor.)
 New York Stamping Company. (See Easby and Louvet, assignors.)
 New York Stamping Company. (See Wojdkow, Louis, assignor.)
 New York Steam Boiler Cleaner Co. (See Bauer, William J., assignor.)
 Newark Gear Cutting Machine Co. (See Eberhardt, Henry E., F. E., and H. J., assignors.)
 Newberry, Franklin D., Jamestown, N. Y. Tooth-brush holder. No. 1,234,199; July 24; v. 240; p. 977.
 Newberry, John A., *et al.* (See Wolfe, Clinton M., assignor.)
 Newberry, Spencer B., Baybridge, Ohio. Recovering alkalis from cement materials. No. 1,239,616; Sept. 11; v. 242; p. 314.
 Newburger, Bernhard, New York, N. Y. Coat-brace. No. 1,248,383; Nov. 27; v. 244; p. 1048.
 Newby, William, assignor to W. I. Laurie, Youngstown, Ohio. Insulator-press. No. 1,226,795; May 22; v. 238; p. 1049.
 Newchurch, John W. (See Simoneaux, Clement, assignor.)
 Newcomb, Delancy E., Sydney, Nova Scotia, Canada. Nut-lock. No. 1,238,933; Sept. 4; v. 242; p. 68.
 Newcomb, Horace C., Philadelphia, Pa. Stuffed fruit. No. 1,231,286; June 26; v. 239; p. 1099.
 Newcomb, Lloyd C., and E. E. Otto, Omaha, Nebr. Power-transmission attachment for motor-vehicles. No. 1,235,719; Aug. 7; v. 241; p. 60.
 Newcombe, Charles W., Tacoma, Wash. Automatic drain-valve. No. 1,226,796; May 22; v. 238; p. 1049.
 Newcombe, Charles W., Tacoma, Wash. Automatic drain-valve. No. 1,236,745; Aug. 14; v. 241; p. 426.
 Newcombe, Charles W., Tacoma, Wash. Drain-valve. No. 1,239,617; Sept. 11; v. 242; p. 314.
 Newcome, Thomas J. (See Stevens and Newcome.)
 Newdick, Norton A., assignor to The Bonney-Floyd Company, Columbus, Ohio. Car-wheel construction. No. 1,215,690; Feb. 13; v. 235; p. 461.
 Newell, Clinton W., Portland, Oreg. Web gage and detector. No. 1,219,345; Mar. 13; v. 236; p. 543.
 Newell, Edward W., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Friction draft-gear. No. 1,219,579; Mar. 20; v. 236; p. 655.
 Newell, Edward W., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Draft-gear attachment. No. 1,232,594; July 10; v. 240; p. 383.
 Newell, Edward W., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Friction draft-gear. No. 1,232,595; July 10; v. 240; p. 383.
 Newell, Edward W., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Friction draft-gear. No. 1,243,756; Oct. 23; v. 243; p. 827.
 Newell, Edward W., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Draft-rigging. No. 1,245,260; Nov. 6; v. 244; p. 35.
 Newell, James H. (See McConnell, John T., assignor.)
 Newell, James P., administrator. (See Saunders, David R.)
 Newell, Warren P., Beatrice, Nebr. Broom. No. 1,232,832; July 10; v. 240; p. 462.
 Newell, Warren P., and C. W. Carman, Hamburg, Iowa. Broom. No. 1,222,237; Apr. 10; v. 237; p. 464.
 Newerf, Peter, *et al.* (See Rosebrook, Lucius R., assignor.)
 Newhall, Henry B. (See Brown, Harry C., assignor.)
 Newhall, Henry B. (See Penney, Harold D., assignor.)
 Newhall, Henry B. (See Pleister, Henry W., assignor.)
 Newhall, Henry B., Jr., Plainfield, and H. W. Pleister, Westfield, N. J.; said Pleister assignor to said Newhall. Concrete-insert. No. 1,212,990; Jan. 16; v. 234; p. 970.
 Newhouse, Alphonse, San Francisco, Cal. Device for creasing papers. No. 1,229,312; June 12; v. 239; p. 365.
 Newhouse, Milford J., Sherrill, assignor to Oneida Community, Limited, Oneida, N. Y. Fur-stretcher. No. 1,214,707; Feb. 6; v. 235; p. 80.
 Newhouse, Ray C., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Impact-pulverizer. No. 1,212,991; Jan. 16; v. 234; p. 970.
 Newhouse, Ray C., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. System of control. No. 1,219,761; Mar. 20; v. 236; p. 717.
 Newkirk, William B. (See Bachler and Newkirk.)
 Newkirk, William P., Portsmouth, Ohio, assignor of one-fourth to C. L. Crooks, one-eighth to W. D. Isgrig, and one-eighth to J. B. Campbell, Pueblo, Colo. Railway-stake. No. 1,222,575; Apr. 10; v. 237; p. 585.
 Newlon, William B., Fremont, assignor of one-half to G. A. Mead, Central City, Nebr. Mill-product-discharging mechanism. No. 1,211,743; Jan. 9; v. 234; p. 500.
 Newlon, William B., Fremont, assignor of one-half to G. A. Mead, Central City, Nebr. Feed-regulator. No. 1,233,110; July 10; v. 240; p. 552.
 Newman, Alexander M. (See Seelau, Franz, assignor.)
 Newman, Alfred C., Fargo, N. D. Attachment for pencils and penholders. No. 1,230,761; June 19; v. 239; p. 883.
 Newman, Alfred C., Fargo, N. D. Attachment for pencils and penholders. No. 1,233,111; July 10; v. 240; p. 552.
 Newman, August D., Canai, New South Wales, Australia. Bolt. No. 1,249,176; Dec. 4; v. 245; p. 216.
 Newman, August D., Canai, New South Wales, Australia. Keyless lock. No. 1,249,460; Dec. 11; v. 245; p. 328.
 Newman Brothers. (See Wagner, Michael, assignor.)
 Newman, Doll L. (See Davis, William A., assignor.)
 Newman, Ellwood H., Spring Lake Beach, N. J. Road-finishing machine. No. 1,228,811; June 5; v. 239; p. 149.
 Newman, Frederick. (See Kelly and Reynolds, assignors.)
 Newman, Harry C., assignor of one-half to L. O. Clappitt, Los Angeles, Cal. Electric valve-grinder. No. 1,219,142; Mar. 13; v. 236; p. 474.

Alphabetical list of patentees—Continued.

- Newman, Harry D., Manasquan, N. J. Cuff-protector. No. 1,239,944; Sept. 11; v. 242; p. 420.
- Newman, Joseph S., assignor to The Electro Set Company, Cleveland, Ohio. Toy telephone system. No. 1,239,508; Sept. 11; v. 242; p. 280.
- Newman, Marc, Chicago, Ill. Reinforced garment. No. 1,212,805; Jan. 16; v. 234; p. 906.
- Newman, Max H., Atlantic City, N. J. Vehicle-signal. No. 1,211,215; Jan. 2; v. 234; p. 288.
- Newman, Motier C., Spokane, Wash. Sled-runner. No. 1,234,200; July 24; v. 240; p. 977.
- Newman, Paul B., La Fayette, Ind. Filing-table for tubes. No. 1,224,562; May 1; v. 238; p. 160.
- Newman, Rutledge H., Chicago, Ill. Fruit-knife. No. 1,226,797; May 22; v. 238; p. 1050.
- Newman, Samuel, and H. R. Bothwell, Cincinnati, Ohio, assignors to said Newman. Lathe attachment. No. 1,227,486; May 22; v. 238; p. 1279.
- Newmann, Hermann, Brooklyn, N. Y. Turret tool-post for engine-lathes. No. 1,250,490; Dec. 18; v. 245; p. 670.
- Newmark, Horace H., Louisville, Ky. Display apparatus. No. 1,246,454; Nov. 13; v. 244; p. 423.
- Newport, Frederick T., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Binding attachment for sewing-machines. No. 1,238,181; Aug. 28; v. 241; p. 955.
- Newsom, Eli, Center Valley, N. Mex. Well or subterranean reservoir for use in irrigation and other purposes. No. 1,241,003; Sept. 25; v. 242; p. 818.
- Newsom, Joseph N., assignor of one-half to C. E. Andrews, St. Louis, Mo., and one-half to H. Christopher, Decatur, Ill. Rivet-setting device. No. 1,230,082; June 12; v. 239; p. 620.
- Newspaper Stuffing Machines Company, The. (See Halvorsen, Severin, assignor.)
- Newton, Albert E., and F. K. Hendrickson, Worcester, Mass. Lathe. No. 1,242,583; Oct. 9; v. 243; p. 396.
- Newton, Albert E., and F. K. Hendrickson, Worcester, Mass., assignors to Reed-Prentice Company. Drop-table mechanism for milling-machines. No. 1,213,237; Jan. 23; v. 234; p. 1088.
- Newton, Albert S., Providence, R. I. Door-buffer. No. 1,211,480; Jan. 9; v. 234; p. 411.
- Newton, Albert S., Providence, R. I. Sanitary-drinking-fountain-supply system. No. 1,214,212; Jan. 30; v. 234; p. 1452.
- Newton, Albert S., Providence, R. I. Sanitary drinking-fountain. No. 1,236,101; Aug. 7; v. 241; p. 184.
- Newton, Charles, assignor of one-half to J. F. Nagel, Buffalo, N. Y. Trigger mechanism for firearms. No. 1,215,181; Feb. 6; v. 235; p. 243.
- Newton, Charles H., Plainville, Conn., T. Danheiser, New York, and F. F. Fecher, Brooklyn, N. Y., assignors to The Beck Duplicator Company. Duplicator. No. 1,235,917; Aug. 7; v. 241; p. 127.
- Newton, Edward C., Marysville, Cal. Automatic regulating-valve for internal-combustion engines. No. 1,229,500; June 12; v. 239; p. 428.
- Newton, George W., Newton, assignor to W. P. Johnson, Des Moines, Iowa. Toy gun. No. 1,211,870; Jan. 9; v. 234; p. 547.
- Newton, James B., Springfield, Ill. Shock-absorber for automobiles or other vehicles. No. 1,237,372; Aug. 21; v. 241; p. 663.
- Newton Manufacturing Company. (See Newton, William J., assignor.)
- Newton Manufacturing Company. (See Newton and Goldberg, assignors.)
- Newton, Richard T., New York, N. Y. Vehicle. No. 1,230,762; June 19; v. 239; p. 884.
- Newton, Richard T., New York, N. Y. Vehicle. No. 1,251,409; Dec. 25; v. 245; p. 991.
- Newton, Stanley D., Sault Ste. Marie, Mich. Combination shaving-brush and holder. No. 1,245,951; Nov. 6; v. 244; p. 244.
- Newton, William G., assignor to The Peck Bros & Co., New Haven, Conn. Combination hot and cold water faucet. No. 1,212,806; Jan. 16; v. 234; p. 906.
- Newton, William J., assignor to Newton Manufacturing Company, Lynbrook, N. Y. Flush switch. No. 1,233,597; July 17; v. 240; p. 749.
- Newton, William J., Lynbrook, and M. Goldberg, Brooklyn, assignors to Newton Manufacturing Company, Lynbrook, N. Y. Electric wall-switch. No. 1,248,384; Nov. 27; v. 244; p. 1048.
- Newtown Giant Incubator Corporation. (See Martin, Perry S., assignor.)
- Ney, Jacob, Canton, Ohio. Gripping device for manually-propelled vehicles. No. 1,239,509; Sept. 11; v. 242; p. 280.
- Ney, Jean, Paris, France. Detachable and interchangeable hub for wheels of all kinds. No. 1,247,991; Nov. 27; v. 244; p. 938.
- Niagara Automatic Hose Reel Company. (See Meas and Moll, assignors.)
- Niagara Multiple Typewriter Company. (See Slingerland, Zelfang and Goffin, assignors.)
- Niagara Silk Mills. (See Meyer, Harry C., assignor.)
- Nias, Henry, and W. Poster, assignors to Public Service Cup Company, Brooklyn, N. Y. Check-controlled mechanism. No. 1,214,946; Feb. 6; v. 235; p. 162.
- Nible, Floyd E., Freeport, Ill. Apparatus for the removal of hay-racks. No. 1,244,235; Oct. 23; v. 243; p. 971.
- Nicastri, Joseph, New York, N. Y. Hotbed. No. 1,212,097; Jan. 9; v. 234; p. 623.
- Nice Ball Bearing Company. (See Beemer, Frank, assignor.)
- Nicholas Power Company. (See Power, Nicholas, assignor.)
- Nicholas, Wilbur H., Indianapolis, Ind. Speed-varying drive. No. 1,241,004; Sept. 25; v. 242; p. 819.
- Nicholas, William, New York, N. Y., assignor to Premier Machine Company. Squirt-preventer for type-casting machines. No. 1,228,588; June 5; v. 239; p. 73.
- Nicholas, William, Southport, Conn., assignor to Premier Machine Company. Font of type. No. 1,237,684; Aug. 21; v. 241; p. 764.
- Nicholas, William, Southport, Conn., and W. Ackerman, Brooklyn, N. Y., assignors to Premier Machine Company. Galley-block. No. 1,231,636; July 3; v. 240; p. 32.
- Nicholas, William, Southport, Conn., and W. Ackerman, Brooklyn, N. Y., assignors to Premier Machine Company. Controller means for type casting and composing machines. No. 1,237,685; Aug. 21; v. 241; p. 764.
- Nicholas, William, Southport, Conn., and W. Ackerman, Brooklyn, N. Y., assignors to Premier Machine Company. Delivering type to a galley in type-setting and type-casting machines. No. 1,237,686; Aug. 21; v. 241; p. 765.
- Nicholaus, Herman C., Detroit, Mich., assignor to The Standard Electric Stove Co., Toledo, Ohio. Time-switch. No. 1,233,692; July 17; v. 240; p. 778.
- Nicholls, John, and S. Lazzure, Seattle, Wash. Music-leaf turner. No. 1,211,744; Jan. 9; v. 234; p. 501.
- Nicholls, John H., Ohehunga, near Auckland, New Zealand. Clutch mechanism. No. 1,246,309; Nov. 13; v. 244; p. 378.
- Nicholls, Joseph P., Denver, Colo. Locomotive-cab spring-seat. No. 1,222,788; Apr. 17; v. 237; p. 699.
- Nicholls, William H., Brooklyn, N. Y. Molding-machine. No. 1,249,994; Dec. 11; v. 245; p. 483.
- Nichols, Adrian D., assignor of one-half to O. W. Hoop-paw, St. Louis, Mo. Machine for correcting the mal-adjustment of the atlas and axis. No. 1,233,496; July 17; v. 240; p. 714.
- Nichols, Bernard, Philadelphia, Pa. Auto-fender. No. 1,247,442; Nov. 20; v. 244; p. 746.
- Nichols, Clarence H., et al. (See Norman, Frank, assignor.)
- Nichols, Clarence H., New York, N. Y. Boiler-operating method and means. No. 1,234,201; July 24; v. 240; p. 977.
- Nichols, Ella L., Kansas City, Mo. Sanitary toilet-seat cover. No. 1,225,673; May 8; v. 238; p. 590.
- Nichols, Frank E., Mount Carmel, and E. W. Feltis, Norwood, Ohio. Pneumatic player-action. No. 1,229,501; June 12; v. 239; p. 428.
- Nichols, Fred A., Battle Creek, Mich. Balancing device. No. 1,218,689; Mar. 13; v. 236; p. 314.
- Nichols, Harold W. (See Arnold and Nichols.)
- Nichols, Harold W., East Orange, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Fluctuation-damping means for rotatable members. No. 1,230,205; June 19; v. 239; p. 699.
- Nichols, Henry M., Paterson, N. J. Automobile-indicator. No. 1,237,082; Aug. 14; v. 241; p. 533.
- Nichols, Herbert B., New York, N. Y. Nasal douche. No. 1,248,891; Dec. 4; v. 245; p. 136.
- Nichols, Herbert B., Methuen, assignor of one-half to H. C. Doughty, East Pepperell, Mass. Adjustable single-pedestal furniture. No. 1,242,024; Oct. 2; v. 243; p. 177.
- Nichols, James R., and G. A. Johnson, Corry, Pa. Leather-rolling machine. No. 1,232,833; July 10; v. 240; p. 462.
- Nichols, James S. (See O'Neal and Nichols.)
- Nichols, James S., Atlanta, Ga. Steam-superheater. No. 1,235,363; July 31; v. 240; p. 1374.
- Nichols, John C., assignor to John C. Nichols Harness Mfg. Company, Sheboygan, Wis. Horse-collar construction. No. 1,238,556; Aug. 28; v. 241; p. 1078.
- Nichols, John H., Spencer, Iowa. Drain-trap. No. 1,211,336; Jan. 2; v. 234; p. 329.
- Nichols, John L., and C. J. Olson, Muskegon, Mich. Bath-tub seat. No. 1,240,479; Sept. 18; v. 242; p. 623.
- Nichols, Katherine, Cincinnati, Ohio. Telephone. No. 1,216,480; Feb. 20; v. 235; p. 793.
- Nichols, Lewis A. (See Martin, Ernest S., assignor.)
- Nichols, Lewis A., Chicago, Ill. Paper-folder. No. 1,250,339; Dec. 18; v. 245; p. 625.
- Nichols, Louis C., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Transformer. No. 1,232,834; July 10; v. 240; p. 462.
- Nichols, Louis C., Norwood, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Current-collecting device. No. 1,243,204; Oct. 16; v. 243; p. 626.
- Nichols, Louis C., Norwood, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dynamo-electric machine. No. 1,243,966; Oct. 23; v. 243; p. 891.
- Nichols, Mahlon P., Leetonia, Ohio. Ironing-board. No. 1,226,987; May 22; v. 238; p. 1115.
- Nichols, Nelson S. (See Cook and Nichols.)

- Nichols, Noah E., Gillett, Ark. Cultivator. No. 1,239,945; Sept. 11; v. 242; p. 420.
- Nichols, Robert M., assignor of one-half to C. F. Wagner, San Francisco, Cal. Bottle-wrapping machine. No. 1,245,952; Nov. 6; v. 244; p. 244.
- Nichols, Robert P. (See Brown and Nichols.)
- Nichols, Walter W., Melrose, and C. H. Kelsea, Lynn, assignors to G. A. Williams, Boston, Mass. Dispensing apparatus. No. 1,238,182; Aug. 28; v. 241; p. 956.
- Nichols, Wesley G. (See McKee and Nichols.)
- Nichols, Wesley G., Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Placer-dredge tumbler. No. 1,229,313; June 12; v. 239; p. 366.
- Nichols, Wesley G., Chicago Heights, Ill., assignor to American Manganese Steel Company, Augusta, Me. Dipper-tooth. No. 1,242,715; Oct. 9; v. 243; p. 437.
- Nichols, Wesley G., and A. H. Exton, Chicago Heights, Ill., assignors to American Manganese Steel Company, Augusta, Me. Dipper-tooth. No. 1,246,644; Nov. 13; v. 244; p. 480.
- Nichols, William A., assignor to L. A. Avery, Janesville, Wis. Program-clock. No. 1,248,419; Nov. 27; v. 244; p. 1057.
- Nicholson, Alice A., Melbourne, Fla. Game apparatus. No. 1,248,892; Dec. 4; v. 245; p. 137.
- Nicholson, Charles E., Berwyn, Ill. Tabulating-machine. No. 1,241,140; Sept. 25; v. 242; p. 860.
- Nicholson, Eberhardt P., New York, N. Y. Manufacturing articles of synthetic composition. No. 1,212,098; Jan. 9; v. 234; p. 623.
- Nicholson, Eberhardt P., New York, N. Y. Articulated doll. No. 1,212,099; Jan. 9; v. 234; p. 623.
- Nicholson, Frank E. (See Underwood, George W., assignor.)
- Nicholson, John L., Chicago, Ill., assignor to American Arch Company, New York, N. Y. Locomotive-boiler fire-box. No. 1,229,376; June 12; v. 239; p. 388.
- Nicholson, John L., Chicago, Ill., assignor to American Arch Company, New York, N. Y. Locomotive-fire-box arch. No. 1,229,393; June 12; v. 239; p. 393.
- Nicholson, Lloyd C., Buffalo, N. Y. Protective system for electrical transmission-lines. No. 1,236,595; Aug. 14; v. 241; p. 374.
- Nicholson, Niels C., assignor of one-half to T. A. Heckman, Seattle, Wash. Fish-cleaning machine. No. 1,217,809; Feb. 27; v. 235; p. 1297.
- Nicholson, Robert M., Houston, Tex. Indicating device for vehicles. No. 1,227,186; May 22; v. 238; p. 1182.
- Nickel, Charles F. (See Graf and Nickel.)
- Nickel, Christopher, Denver, Colo. Riding-saddle tree. No. 1,212,545; Jan. 16; v. 234; p. 813.
- Nickell, William J. (See Shanks and Nickell.)
- Nickels, Philip H., Council Grove, Kans. Gearing. No. 1,213,238; Jan. 23; v. 234; p. 1089.
- Nickelsen, Harvey, Juneau, A. McMillan, and H. Pemberton, Douglas, Alaska. Collapsible fruit or berry box. No. 1,245,369; Nov. 6; v. 244; p. 68.
- Nickelson, Joseph A., and J. Fredrikson, New York, N. Y., assignors to said Nickelson. Vaporizer. No. 1,227,649; May 29; v. 238; p. 1364.
- Nickerson, Oris H. (See Boynton and Nickerson.)
- Nickerson, William E., Cambridge, assignor to E. D. Chadwick, trustee, Winchester, Mass. Ignition-timing device for internal-combustion motors. No. 1,232,596; July 10; v. 240; p. 384.
- Nickerson, William E., Cambridge, assignor to Gillette Safety Razor Company, Boston, Mass. Blade-sharpening machine. No. 1,235,590; Aug. 7; v. 241; p. 20.
- Nickol, George E., Baltimore, Md. Check-valve. No. 1,236,596; Aug. 14; v. 241; p. 374.
- Nickolai, Carl L. (See Nickolai, Frank, J. E., and C. L.)
- Nickolai, Frank, J. E., and C. L. De Beque, Colo. Hose-coupling. No. 1,225,480; May 8; v. 238; p. 525.
- Nickolai, Julius E. (See Nickolai, Frank, J. E., and C. L.)
- Nicks, Ira G., Norfolk, Va. Internal-combustion engine. No. 1,214,357; Jan. 30; v. 234; p. 1505.
- Nickum, Emma, South Bethlehem, Pa. Garbage-can. No. 1,218,449; Mar. 6; v. 236; p. 194.
- Nickum, George S., Glendale, Cal. Surfacing-file handle. No. 1,233,598; July 17; v. 240; p. 750.
- Nickum, George S., Glendale, Cal. Mechanical badge. No. 1,234,559; July 24; v. 240; p. 1095.
- Nickum, Walter D., Glendale, Cal., assignor to J. C. Lewis, Portland, Oreg. Electric gasifier for internal-combustion engines. No. 1,247,992; Nov. 27; v. 244; p. 938.
- Niclausse, Albert. (See Niclausse, Jules and A.)
- Niclausse, Jules and A., Paris, France. Furnace-grate. No. 1,231,930; July 3; v. 240; p. 132.
- Nicodemus, Augustus W., et al. (See Fahrney, John J., assignor.)
- Nicodemus, Harry O., et al. (See Fahrney, John J., assignor.)
- Nicodemus, Otto. (See Stock and Nicodemus.)
- Nicol, August, Nieder-Schönhausen, Germany, assignor to General Electric Company. System for recording the condition of apparatus. No. 1,240,763; Sept. 18; v. 242; p. 710.
- Nicol, James. (See Rule and Nicol.)
- Nicola, Peter, Wilkes-Barre, Pa. Artificial arm. No. 1,247,710; Nov. 27; v. 244; p. 857.
- Nicola, Sava, Madison, Ill. Automobile-lock. No. 1,238,557; Aug. 28; v. 241; p. 1078.
- Nicolai, Edward F. (See Hawxburst and Nicolai.)
- Nicolaysen, Oluf K., Minneapolis, Minn. Detachable propelling device for rowboats. No. 1,234,929; July 31; v. 240; p. 1243.
- Nicoll, William R., and W. J. McLaughlin, assignors to Minnetonka Company, Owatonna, Minn. Moisture-tester. No. 1,249,808; Dec. 11; v. 245; p. 430.
- Nicolson, Alexander M., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Thermionic amplifier. No. 1,210,678; Jan. 2; v. 234; p. 105.
- Nicoud, Charles J., Marseille, France. Picker-roller. No. 1,250,491; Dec. 18; v. 245; p. 670.
- Nieberding, Frank A., Cleveland, Ohio. Incinerator. No. 1,235,918; Aug. 7; v. 241; p. 128.
- Niebling, Edwin M., Cincinnati, Ohio. Compressor. No. 1,233,693; July 17; v. 240; p. 779.
- Niebling, Edwin M., Cincinnati, Ohio. Compression-pump. No. 1,234,684; July 24; v. 240; p. 1132.
- Niebling, Edwin M., Cincinnati, Ohio. Valve-set. No. 1,234,930; July 31; v. 240; p. 1243.
- Niederberger, Sigmund, Chicago, Ill. Shirt. No. 1,246,985; Nov. 20; v. 244; p. 616.
- Niedergesaeß, Wilhelm, Seattle, Wash. Shaft-coupling. No. 1,210,969; Jan. 2; v. 234; p. 204.
- Niederwerfer, Valentin, assignor to Fiedler & Co., G. m. b. H., Burkhardsdorf, Germany. Device for making the cutting-lists of slit-up fabrics. No. 1,226,361; May 15; v. 238; p. 868.
- Nield, Samuel, et al., executors. (See Drew, Arthur.)
- Niell, Magnus, Stockholm, Sweden. Lace-clasp. No. 1,249,461; Dec. 11; v. 245; p. 328.
- Nielsen, Aage, New York, N. Y., assignor to W. A. Condon, Summit, N. J. Automatic stop mechanism for phonographs. No. 1,222,974; Apr. 17; v. 237; p. 762.
- Nielsen, Aage A. J. M., New York, N. Y., assignor to W. A. Condon, Summit, N. J. Phonograph-brake. No. 1,235,720; Aug. 7; v. 241; p. 61.
- Nielsen, Andreas C., Cleveland, Ohio. Micrometer-gage. No. 1,226,574; May 15; v. 238; p. 935.
- Nielsen, Christian, Roxbury, and C. I. Babcock, Newtonville, assignors to Ensign Manufacturing Company, Boston, Mass. Drive for calculating-machines. No. 1,234,685; July 24; v. 240; p. 1133.
- Nielsen, Florian, Jamestown, N. Y. Combination table-desk. No. 1,221,209; Apr. 3; v. 237; p. 74.
- Nielsen, Frederik, Boston, Mass., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Dust-cap. No. 1,218,111; Mar. 6; v. 236; p. 78.
- Nielsen, Harry, New York, N. Y. Fisherman's glove. No. 1,243,622; Oct. 16; v. 243; p. 750.
- Nielsen, Jens P. and K. K., Chicago, Ill.; said K. K. Nielsen assignor to said Jens P. Nielsen. Moistening appliance. No. 1,243,967; Oct. 23; v. 243; p. 891.
- Nielsen, Julian J., Chicago, Ill. Circuit-breaker. No. 1,212,146; Jan. 9; v. 234; p. 642.
- Nielsen, Julian J., assignor to J. Cuthbert, Chicago, Ill. Wire coiling and clamping device. No. 1,241,756; Oct. 2; v. 243; p. 92.
- Nielsen, Karl K. (See Nielsen, Jens P. and K. K.)
- Nielsen, Louis P. F., Marquette, Nebr. Cultivator-shovel. No. 1,217,983; Mar. 6; v. 236; p. 33.
- Nielsen, Martin, East Seattle, Wash. Needle-threader. No. 1,241,427; Sept. 25; v. 242; p. 950.
- Nielsen, Niels P. (See Miller and Nielsen.)
- Nielsen, Rasmus, Troy, N. Y., assignor to The Gilchrist Company, Newark, N. J. Ice-cream spoon. No. 1,238,429; Aug. 28; v. 241; p. 1036.
- Nielsen, Soren P., New Ulm, Minn. Corn-shock tyer. No. 1,211,745; Jan. 9; v. 234; p. 501.
- Nielsen, Stefanus, Brooklyn, N. Y. Type-writer. No. 1,246,776; Nov. 13; v. 244; p. 518.
- Nielsen, Zern, Omaha, Nebr. Steering device for automobiles. No. 1,222,238; Apr. 10; v. 237; p. 465.
- Nielsen, Steffen E., Houston, Tex. Electric-circuit breaker. No. 1,213,937; Jan. 30; v. 234; p. 1359.
- Niemann, Henry H. (See Miller and Nieman.)
- Niemann, Charles A., Marcus, Iowa. Milk-strainer. No. 1,224,009; Apr. 24; v. 237; p. 1154.
- Niemann and Company. (See Niemann, Frederick A., assignor.)
- Niemann, Frederick A., assignor to Niemann and Company, Chicago, Ill. Change-making machine. No. 1,222,659; Apr. 17; v. 237; p. 655.
- Niemann, Gustav A. (See Long, Henry, assignor.)
- Niemann, John H., Adelaide, South Australia, Australia. Treatment of refractory auriferous ores. No. 1,222,789; Apr. 17; v. 237; p. 699.
- Niemela, Vaino, Cleveland, Ohio. Tool-holder. No. 1,235,361; July 31; v. 240; p. 1375.
- Niemeyer, Henry C., Racine, Wis., assignor, by mesne assignments, to Richmond Radiator Company, New York, N. Y. Suction-producer. No. 1,230,206; June 19; v. 239; p. 699.
- Nienstadt, August E., Bensonhurst, N. Y. Paraffin powder and making it. No. 1,239,618; Sept. 11; v. 242; p. 315.
- Nienstadt, John H., Brooklyn, N. Y. Attachable automobile-seat. No. 1,224,405; May 1; v. 238; p. 105.
- Nienstaedt, Max, Palisade, N. J., assignor to American Flooring Company, Inc., New York, N. Y. Floor-covering composition. No. 1,227,923; May 29; v. 238; p. 1458.

Alphabetical list of patentees—Continued.

- Nierman, Gerhardt H., Cleveland, Ohio. Automobile-signal. No. 1,238,430; Aug. 28; v. 241; p. 1036.
- Nies, John D. (See Kimble and Nies.)
- Nightingale, John T., et al. (See Brownell, William M., assignor.)
- Nihari, Julius, Flak, Minn. Fish-gate. No. 1,225,160; May 8; v. 238; p. 416.
- Nii, Joseph A., Sacramento, Cal. Faucet. No. 1,226,575; May 15; v. 238; p. 935.
- Nikas, Peter D., Washington, D. C. Safety device for gas burners. No. 1,251,271; Dec. 25; v. 245; p. 951.
- Nikoloff, Subbo, Putnam, Conn., assignor to Leland-Gifford Company, Worcester, Mass. Power-transmission belt. No. 1,223,513; Apr. 24; v. 237; p. 981.
- Nikonow, John P. (See Conrad and Nikonow.)
- Nikonow, John P., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Gear-shifting mechanism. No. 1,228,812; June 5; v. 239; p. 150.
- Nikonow, John P., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting mechanism for gas-engines. No. 1,229,776; June 12; v. 239; p. 521.
- Nikonow, John P., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting and generating mechanism. No. 1,231,638; July 3; v. 240; p. 33.
- Nikonow, John P., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting mechanism for automobiles. No. 1,231,639; July 3; v. 240; p. 33.
- Nikonow, John P., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Interlock for starting motors. No. 1,231,637; July 3; v. 240; p. 33.
- Nikonow, John P., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting mechanism for gas-engines. No. 1,235,046; July 31; v. 240; p. 1280.
- Nikonow, John P., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Automatic transmission-gearing. No. 1,235,047; July 31; v. 240; p. 1280.
- Niles-Bement-Pond Co. (See Sears and Keefer, assignors.) (Reissue.)
- Niles-Bement-Pond Company. (See Sears, Willard T., assignor.) (Reissue.)
- Niles, Charles E., Fargo, N. D. Clothes-line support. No. 1,217,336; Feb. 27; v. 235; p. 1129.
- Niles Invisible Door Check Company, The. (See Nordquist, Ronald E. J., assignor.)
- Nilsen, Almer L., Walford, N. D. Revolving drag. No. 1,239,294; Sept. 4; v. 242; p. 184.
- Nilson, Andrew, assignor to The Eureka Smokeless Furnace Company, Chicago, Ill. Flue-cleaner. No. 1,218,690; Mar. 13; v. 236; p. 315.
- Nilson, Andrew, assignor to The Eureka Smokeless Furnace Company, Chicago, Ill. Furnace. No. 1,221,082; Apr. 3; v. 237; p. 28.
- Nilson, Andrew, assignor to Nilson Bros., Chicago, Ill. Flue-expander. No. 1,235,835; Aug. 7; v. 241; p. 100.
- Nilson Bros. (See Nilson, Andrew, assignor.)
- Nilson, Jens J., Holmquist, S. D. Road-grader. No. 1,210,517; Jan. 2; v. 234; p. 48.
- Nilson, John L., and J. Prince, Chicago, Ill. Automobile-tank filler. No. 1,212,384; Jan. 16; v. 234; p. 756.
- Nilson, Lars G., Hoboken, N. J. Hydraulic ram. No. 1,249,462; Dec. 11; v. 245; p. 328.
- Nilson, Lars G., and J. Abegg, assignors of one-half to T. J. Nilson and one-half to said Abegg, Hoboken, N. J. Stylographic fountain-pen. No. 1,244,070; Oct. 23; v. 243; p. 922.
- Nilson, Nils, Wayzata, Minn. Scale. No. 1,240,084; Sept. 11; v. 242; p. 459.
- Nilson, Nils D., Klinten, near Stockholm, Sweden. Prepayment-meter for gas and the like. No. 1,234,931; July 31; v. 240; p. 1243.
- Nilson, Nils D., Stockholm, Sweden. Prepayment gas-meter. No. 1,234,932; July 31; v. 240; p. 1244.
- Nilson, Oscar M., assignor to The United States Sugar Company, New Haven, Conn. Clarifier. No. 1,234,202; July 24; v. 240; p. 978.
- Nilson, Thomas J. (See Nilson and Abegg, assignors.)
- Nilsson, Nils K. E. (See Hansen and Nilsson.)
- Nilsson, Nicholas T., Chicago, Ill. Combined beater and shutter for motion-picture machines. No. 1,245,497; Nov. 6; v. 244; p. 106.
- Nilsson, Nicholas T., Chicago, Ill. Motion-picture mechanism. No. 1,245,498; Nov. 6; v. 244; p. 106.
- Nilsson, Nicholas T., assignor of fifty one-hundredths to S. Evans, Chicago, Ill. Moving-picture machine. No. 1,229,125; June 5; v. 239; p. 252.
- Nimmer, Erich A. (See Grutza, Bernard, assignor.)
- Nimphus, Emil, Evanston, assignor of one-fourth to J. H. Whitaker, Chicago, Ill. Gas-producer. No. 1,225,048; May 8; v. 238; p. 378.
- Nisbet, James E., Jacksonville, Ala. Fan. No. 1,210,828; Jan. 2; v. 234; p. 154.
- Nisbet, Theodore B., Irvington, N. Y. Wind-shield for automobiles. No. 1,238,803; Sept. 4; v. 242; p. 26.
- Nishi, Chotoku, San Francisco, Cal. Paralleling instrument. No. 1,216,596; Feb. 20; v. 235; p. 835.
- Nishiyama, George Y., Denver, Colo. Automatic camera-actuating device. No. 1,250,628; Dec. 18; v. 245; p. 711.
- Niskanen, Carl, Milwaukee, Wis., assignor to The Standard Rivet Company, Boston, Mass. Staple making and setting machine. No. 1,246,455; Nov. 13; v. 244; p. 423.
- Nist, Robert C., Canton, Ohio. Automobile direction-indicator. No. 1,249,463; Dec. 11; v. 245; p. 329.
- Niswanger, August T., assignor, by mesne assignments, to L. W. Elicker, Columbus, Ohio. File. No. 1,246,310; Nov. 13; v. 244; p. 379.
- Nitkey, John E., Harrison, Idaho. Pool-ball rack and triangle. No. 1,227,299; May 22; v. 238; p. 1220.
- Nitrogen Products Company. (See Bucher, John E., assignor.)
- Nitsch, Charles H. (See Weightman and Nitsch.)
- Nitschke, George H., Columbus, Ohio. Screw-propeller. No. 1,234,070; July 17; v. 240; p. 898.
- Nittinger, Philpel E., Baltimore, Md. Refrigerator. No. 1,235,048; July 31; v. 240; p. 1281.
- Nitz, Charles G. W., Wauwatosa, Wis. Ratchet-drill. No. 1,241,428; Sept. 25; v. 242; p. 950.
- Nitzsche, August, Monroe township, Madison county, Iowa. Automatic railway-switch. No. 1,239,031; Sept. 4; v. 242; p. 100.
- Nitzsche, Ferdinand E. (See Bertram and Nitzsche.)
- Nitzsche, Robert W. M., Obercarsdorf, Germany. Making printing-forms with fine screen for stereotype-work. No. 1,245,370; Nov. 6; v. 244; p. 68.
- Niver, William A., New York, N. Y. Pamphlet-cover. No. 1,244,886; Oct. 30; v. 243; p. 1207.
- Nivling, Walter A., Boston, Mass. Coating apparatus. No. 1,236,002; Aug. 7; v. 241; p. 154.
- Noivois, Victor, Brooklyn, N. Y. Cigarette-case. No. 1,229,502; June 12; v. 239; p. 429.
- Noivois, Victor, Brooklyn, N. Y. Cigarette-case. No. 1,231,186; June 26; v. 239; p. 1066.
- Noivois, Victor, Brooklyn, N. Y. Cigarette-case. No. 1,232,071; July 3; v. 240; p. 181.
- Noivois, Victor, Brooklyn, N. Y. Cigarette-case. No. 1,232,072; July 3; v. 240; p. 182.
- Noivois, Victor, Brooklyn, N. Y. Cigarette-case. No. 1,232,073; July 3; v. 240; p. 182.
- Noivois, Victor, Brooklyn, N. Y. Eyeglass-case. No. 1,248,893; Dec. 4; v. 245; p. 137.
- Nix, Harvey M. (See Gandy, John T., assignor.)
- Nix, Manning L., Oklahoma, Okla. Pipe-fitting. No. 1,226,690; May 22; v. 238; p. 1012.
- Nixon, Arthur, Rusholme, Manchester, England. Solid elastic tire. No. 1,221,083; Apr. 3; v. 237; p. 28.
- Nixon, Benjamin F., Winnipeg, Manitoba, Canada. Vessel indicating and raising apparatus. No. 1,223,606; Apr. 24; v. 237; p. 1012.
- Nixon, Clinton A., Valparaiso, Ind. Dental-mold unit. No. 1,217,206; Feb. 27; v. 235; p. 1086.
- Nixon, Edward J. (See Fitzharris, Frank, assignor.)
- Nixon, Lewis, New York, N. Y. Incendiary attachment for aeroplanes. No. 1,237,266; Aug. 14; v. 241; p. 591.
- Nixon, Moses C., Chicago, Ill. Windmill. No. 1,246,008; Nov. 6; v. 244; p. 258.
- No-Break Egg Carrier Co., The. (See Degginger, Louis A., assignor.)
- No-Touch Straw Holder Co. (See Griel and Shee, assignors.)
- Noack, Alex E. (See Johnson, Hans O., assignor.)
- Noah, Robert S., assignor of one-third to A. H. Wilson, one-third to J. F. Martin, and one-third to G. L. Carson, Annapolis, Md. Lifting-jack. No. 1,227,064; May 22; v. 238; p. 1141.
- Noaker, Milton, assignor to The Akron Cultivator Company, Akron, Ohio. Wheel or sulky cultivator. No. 1,215,691; Feb. 13; v. 235; p. 461.
- Noble, Donald, Bridgeport, Conn., assignor to The Singer Manufacturing Company. Button-sewing machine. No. 1,235,836; Aug. 7; v. 241; p. 100.
- Noble, Donald, Bridgeport, Conn., assignor to The Singer Manufacturing Company. Power-transmitting mechanism. No. 1,235,837; Aug. 7; v. 241; p. 101.
- Noble, Eugene B., Los Angeles, Cal. Heaving-plug. No. 1,212,664; Jan. 16; v. 234; p. 857.
- Noble, Eugene B., Los Angeles, Cal. Casing-perforator. No. 1,247,140; Nov. 20; v. 244; p. 660.
- Noble, Franklin, Brooklyn, N. Y. Means for treating water, sewage, and liquid manufacturing-waste. No. 1,211,481; Jan. 9; v. 234; p. 411.
- Noble, George F., Beach, N. D. Automobile-controlling device. No. 1,235,365; July 31; v. 240; p. 1375.
- Noble, George H., Atlanta, Ga., assignor to American Sterilizer Company, Erie, Pa. Water-sterilizer. No. 1,246,146; Nov. 13; v. 244; p. 330.
- Noble, Guy L., Chicago, Ill. Oleo-stock clarifier, seeder, and breaker. No. 1,240,869; Sept. 25; v. 242; p. 776.
- Noble, Harvey P., Philadelphia, Pa. Signaling device for automobiles. No. 1,216,481; Feb. 20; v. 235; p. 794.
- Noble, Hugh T., Seacombe, England. Door for steam-boilers. No. 1,250,629; Dec. 18; v. 245; p. 712.
- Noble, Irvine M., and W. E. Gossling, assignors to The Prest-O-Lite Company, Inc., Indianapolis, Ind. Storage battery. No. 1,251,452; Dec. 25; v. 246; p. 1004.
- Noble, Jay E., Sinclairville, N. Y. Propelling mechanism for vehicles. No. 1,232,597; July 10; v. 240; p. 384.

- Noble, Marcos E., Elgin, Tex. Motion-picture-film cleaner No. 1,239,295; Sept. 4; v. 242; p. 185.
- Noble, Warren. (See Potter and Noble.)
- Noble, Warren, New York, N. Y. Winch or windlass. No. 1,249,809; Dec. 11; v. 245; p. 431.
- Noblett, Adoniram J., Fort Worth, Tex. Cotton-chopper. No. 1,237,804; Aug. 21; v. 241; p. 801.
- Nobuoka, Ryotaro, Portland, Oreg. Signaling device. No. 1,219,346; Mar. 13; v. 236; p. 544.
- Nock, Harold E., assignor to Paye & Baker Manufacturing Company, North Attleboro, Mass. Dripless strainer. No. 1,226,691; May 22; v. 238; p. 1012.
- Nock, Leo F., assignor to Doehler Die Casting Company, Brooklyn, N. Y. Making molds. No. 1,238,183; Aug. 28; v. 241; p. 956.
- Noel, Eugene E., assignor of one-third to E. E. Crooke and one-third to W. C. Williams, Indianapolis, Ind. Game-card for teaching music. No. 1,217,810; Feb. 27; v. 235; p. 1297.
- Noel Four-Wheel-Drive Manufacturing Company. (See Ream, Fred H., assignor.)
- Noel, John, Chaudière Junction, Quebec, Canada. Coupling. No. 1,224,202; May 1; v. 238; p. 30.
- Noël, Joseph E. (See Noël, Joseph L. C. and J. E.)
- Noël, Joseph L. C. and J. E., Ottawa, Ontario, Canada. Automatically-locking hand-bag. No. 1,223,855; Apr. 24; v. 237; p. 1101.
- Noesler, Charlie. (See Clasen and Noesler.)
- Noesting Pin Ticket Company, The. (See Livingston, William, assignor.)
- Nofus, Charles F. (See Howard, Lewis F., assignor.)
- Nogar, August, Reading, Pa. Life-preserving garment. No. 1,239,296; Sept. 4; v. 242; p. 185.
- Nogrady, An Dor T., Kansas City, Mo. Motor-car. No. 1,238,067; Aug. 21; v. 241; p. 884.
- Nogrady, Stephen, Chicago, Ill. Wrench. No. 1,233,694; July 17; v. 240; p. 779.
- Noice, Harry, Portland, Oreg. Washing-machine. No. 1,227,065; May 22; v. 238; p. 1141.
- Noiles, Frank J., Beaver, Manitoba, Canada. Plow attachment. No. 1,219,990; Mar. 20; v. 236; p. 798.
- Noiseless Typewriter Company, The. (See Anderson, Nils H., assignor.)
- Noiseless Typewriter Company, The. (See Going, George G., assignor.)
- Noiseless Typewriter Company, The. (See Ruffin, John A., assignor.)
- Nolan, Edmund, assignor to The Winkley Company, Detroit, Mich. Oil-bolt. No. 1,233,392; July 17; v. 240; p. 680.
- Nolan, Francis A., St. Paul, Minn. Rubber heel. No. 1,219,991; Mar. 20; v. 236; p. 798.
- Nolan, Francis A., St. Paul, Minn. Stop for sound-reproducing machines. No. 1,230,505; June 19; v. 239; p. 798.
- Nolan, Francis A., St. Paul, Minn. Stop. No. 1,230,506; June 19; v. 239; p. 799.
- Nolan, Francis A., St. Paul, Minn. Phonograph-stop. No. 1,230,763; June 19; v. 239; p. 884.
- Nolan, Francis A., St. Paul, Minn. Phonograph-stop. No. 1,230,764; June 19; v. 239; p. 884.
- Nolan, Francis A., St. Paul, Minn. Phonograph-stop. No. 1,230,765; June 19; v. 239; p. 885.
- Nolan, Herbert C., Winnipeg, Manitoba, Canada. Folding device for theater-chairs. No. 1,210,518; Jan. 2; v. 234; p. 48.
- Nolan, John, Moline, Ill. Nut-lock. No. 1,215,971; Feb. 13; v. 235; p. 560.
- Nolan, Remer T., assignor of one-half to H. N. Spence, Carrollton, Ga. Quilting device. No. 1,244,361; Oct. 23; v. 243; p. 1009.
- Nolan, Thaddeus A., Cincinnati, Ohio. Mechanical movement. No. 1,212,385; Jan. 16; v. 234; p. 756.
- Nolan, Thomas A., et al. (See Hicks, James W., assignor.)
- Nolde & Horst Company. (See Rader, Irvin, assignor.)
- Nolde & Horst Company. (See Robinson, Frank W., assignor.)
- Nolde & Horst Co., The. (See Stoehrel, Friedrig H., assignor.)
- Nolen, Helen M., Toledo, Ohio. Laundry appliance. No. 1,249,464; Dec. 11; v. 245; p. 329.
- Nolen, James G., New York, N. Y. Sound-post mounting for phonographs. No. 1,242,227; Oct. 9; v. 243; p. 281.
- Nolen, James G., New York, N. Y. Diaphragm-tensioning means. No. 1,242,228; Oct. 9; v. 243; p. 282.
- Nolen, James G., assignor, by mesne assignments, to Automatic Fire Protection Company, New York, N. Y. Supervisory system. No. 1,219,143; Mar. 13; v. 236; p. 474.
- Nolen, James G., New York, and R. L. McElroy, White-stone, assignors to Magnetic Phonograph Company, New York, N. Y. Telephone-transmitter. No. 1,222,790; Apr. 17; v. 237; p. 700.
- Nolen, Robert R., Dallas, Tex. Mill for grinding or crushing cotton-seed or the like. No. 1,224,406; May 1; v. 238; p. 105.
- Nolin, James H., New Brockton, Ala. Boll-weevil-destroying machine. No. 1,223,415; Apr. 24; v. 237; p. 945.
- Nollin, William M. (See Barton and Nollin.)
- Nollin, William M., and G. F. Patrick, Colorado Springs, Colo. Wire-fence clamp. No. 1,248,529; Dec. 4; v. 245; p. 29.
- Noll, Charles, assignor of one-third to E. C. Reader and one-third to I. A. Reader, Cleveland, Ohio. Plaster composition. No. 1,239,032; Sept. 4; v. 242; p. 100.
- Noll, Friedrich. (See Weber and Noll.)
- Noll, Rose E., Marietta, Ohio. Device for cleaning sand and gravel screens. No. 1,213,239; Jan. 23; v. 234; p. 1089.
- Nolly, Hector de, St. Chamond, assignor to Société Electro-Métallurgique De St. Bérone, Lyon, France. Electric furnace. No. 1,216,961; Feb. 20; v. 235; p. 957.
- Nolte, George V., and J. E. Smith, Bellingham, Wash. Spark-plug. No. 1,249,465; Dec. 11; v. 245; p. 329.
- Nolting, William W., Minneapolis, Minn. Bed-spring. No. 1,244,635; Oct. 30; v. 243; p. 1130.
- Non-Slip Tile Company. (See Will, Henry N., assignor.)
- Noneman, Ira W., assignor to The Borden Company, Warren, Ohio. Die-stock. No. 1,228,955; June 5; v. 239; p. 196.
- Nones, Joseph A., New York, N. Y. Box construction. No. 1,247,443; Nov. 20; v. 244; p. 746.
- Nonneman, Ira W., assignor to The Borden Company, Warren, Ohio. Ratchet die-stock. No. 1,238,558; Aug. 28; v. 241; p. 1078.
- Nonnenbruch, Otto H., New Rochelle, N. Y. Continuous liquid-separator. No. 1,236,746; Aug. 14; v. 241; p. 426.
- Noonan, Joseph H., Auckland, New Zealand. Gas-cooker. No. 1,228,956; June 5; v. 239; p. 196.
- Norberg, Peter J., New Era, Mich. Milking-stool. No. 1,212,386; Jan. 16; v. 234; p. 757.
- Norberti, Giovanni, Boston, Mass. Collapsible and convertible chair. No. 1,240,243; Sept. 18; v. 242; p. 549.
- Norberti, Giovanni, Boston, Mass. Cot. No. 1,243,092; Oct. 16; v. 243; p. 592.
- Norcross, Camillo S., Bushnell, Ill. Wheel-plow. No. 1,222,122; Apr. 10; v. 237; p. 422.
- Norcross, Orlando W., Worcester, Mass. Reinforced-concrete floor construction. No. 1,247,865; Nov. 27; v. 244; p. 902.
- Norcross, William C., Terre Haute, Ind. Leveling drawing-table for combination jolt ramming and rock-over machines. No. 1,245,953; Nov. 6; v. 244; p. 244.
- Norcross, William C., Terre Haute, Ind. Valve for jolt ramming-machines. No. 1,245,954; Nov. 6; v. 244; p. 244.
- Norcross, William C., Terre Haute, Ind. Combination jolt ramming and rock-over machine. No. 1,245,955; Nov. 6; v. 244; p. 245.
- Norcross, William C., assignor to American Molding Machine Co., Terre Haute, Ind. Combination jolt-ramming and rock-over machine. No. 1,224,407; May 1; v. 238; p. 105.
- Norcross, William C., assignor to American Molding Machine Co., Terre Haute, Ind. Leveling drawing-table for combination jolt-ramming and rock-over machines. No. 1,231,187; June 26; v. 239; p. 1067.
- Nord, Carl A., New York, N. Y. Watch-guard. No. 1,218,887; Mar. 13; v. 236; p. 388.
- Nordberg, Bruno V., Milwaukee, Wis. Compressed-air power system. No. 1,231,051; June 26; v. 239; p. 1021.
- Nordberg, Bruno V., Milwaukee, Wis. Internal-combustion engine. No. 1,237,373; Aug. 21; v. 241; p. 664.
- Nordberg, Bruno V., Milwaukee, Wis. Link-motion. No. 1,239,297; Sept. 4; v. 242; p. 185.
- Nordberg, Bruno V., Milwaukee, Wis. Unloading and capacity-regulating mechanism for compressors. No. 1,239,946; Sept. 11; v. 242; p. 420.
- Nordberg, Bruno V., Milwaukee, Wis. Steam-engine. No. 1,241,875; Oct. 2; v. 243; p. 130.
- Nordberg, Paul J., et al. (See Fossum, John J., assignor.)
- Norberg, Stella M., Pringle, S. D. Vehicle-brake mechanism. No. 1,229,314; June 12; v. 239; p. 366.
- Norden, Carl L., Brooklyn, N. Y. Gyroscope-stabilizer. No. 1,236,204; Aug. 7; v. 241; p. 218.
- Nordensson, Carl O., Chicago, Ill. Oil-gas producer. No. 1,218,575; Mar. 6; v. 236; p. 237.
- Nordgren, Werner, Charlottenburg, Germany, assignor to General Electric Company. Piston-ring-locking device. No. 1,240,764; Sept. 18; v. 242; p. 710.
- Nordling, Ledvin F., Oslo, Minn. Plumb and level. No. 1,250,340; Dec. 18; v. 245; p. 626.
- Nordloh, John A., Cincinnati, Ohio. Shoe. No. 1,213,123; Jan. 16; v. 234; p. 1015.
- Nordquist, Ronald E. J., Oak Park, Ill., assignor to The Niles Invisible Door Check Company, Niles, Mich. Door-check. No. 1,239,510; Sept. 11; v. 242; p. 280.
- Nordqvist, John, Angora, Minn. Watering system. No. 1,241,005; Sept. 25; v. 242; p. 819.
- Nordstrom, Charles, Milwaukee, Wis. Lathe taper attachment. No. 1,222,021; Apr. 10; v. 237; p. 388.
- Nordstrom, Elof, Newark, N. J., assignor to American Dan Stopper Company, Bridgeport, Conn. Cap-making and bottling machine. No. 1,212,665; Jan. 16; v. 234; p. 858.
- Nordström, Hans, Petrograd, Russia. Internal-combustion engine. No. 1,211,746; Jan. 9; v. 234; p. 501.
- Noreen, William P., Watertown, Minn. Detachable bumper for bolster-springs. No. 1,242,025; Oct. 2; v. 243; p. 177.
- Norfolk, William H., San Pedro, Cal. Enflating-machine. No. 1,227,487; May 22; v. 238; p. 1280.
- Norgord, John. (See Anderson, Carl G., assignor.)

Alphabetical list of patentees—Continued.

- Norma Compagnie G. m. b. H. (See Hirth, Carl A., assignor.)
- Norman, Charles R., Brooklyn, N. Y., assignor to Tide Water Oil Company, Bayonne, N. J. Pouring device. No. 1,230,207; June 19; v. 239; p. 700.
- Norman, Charlie A., Frankfurt, S. D. Trap. No. 1,249,995; Dec. 11; v. 245; p. 484.
- Norman, Ernest, Lachine, Quebec, Canada. Clothes-pin bag. No. 1,239,298; Sept. 4; v. 242; p. 186.
- Norman, Ernest B., New Orleans, La. Carbon-sheet holder. No. 1,231,418; June 26; v. 239; p. 1144.
- Norman, Frank, Des Moines, Iowa, assignor of eight thirty-seconds to D. J. Landers, seven thirty-seconds to W. A. McAtee, four thirty-seconds to A. B. Lovan, two thirty-seconds to G. W. Young, and one thirty-second to W. T. Shores, Springfield, Mo., and two thirty-seconds to C. H. Nichols, New York, N. Y. Expanding and contracting gas-receiver. No. 1,217,623; Feb. 27; v. 235; p. 1234.
- Norman, Frank, Des Moines, Iowa, assignor of eight thirty-seconds to D. J. Landers, seven thirty-seconds to W. A. McAtee, four thirty-seconds to A. B. Lovan, one thirty-second to W. T. Shores, and two thirty-seconds to G. W. Young, Springfield, Mo., and two thirty-seconds to C. H. Nichols, New York, N. Y. Acetylene-gas mixer. No. 1,217,634; Feb. 27; v. 235; p. 1238.
- Norman, Frank, Des Moines, Iowa, assignor of eight thirty-seconds to D. J. Landers, seven thirty-seconds to W. A. McAtee, four thirty-seconds to A. B. Lovan, two thirty-seconds to G. W. Young, and one thirty-second to W. T. Shores, Springfield, Ohio, and two thirty-seconds to C. H. Nichols, New York, N. Y. Acetylene-gas generator. No. 1,242,584; Oct. 9; v. 243; p. 396.
- Norman, Fred G., Davenport, Iowa. Paper-holder or jogging-board for printing-presses. No. 1,246,986; Nov. 20; v. 244; p. 616.
- Norman, Helgi, Winslow, Wash., assignor of one-half to H. C. Nugent. Egg-separator. No. 1,216,245; Feb. 13; v. 235; p. 658.
- Norman, Holly O. (See Smith, Charles H., assignor.)
- Norman, James E., Addicks, Tex. Trimmer and filer for saws. No. 1,220,445; Mar. 27; v. 236; p. 997.
- Norman, Joseph T., Nanticoke, Pa. Spark-plug. No. 1,243,205; Oct. 16; v. 243; p. 626.
- Norman, Joseph T., Nanticoke, Pa. Combined bath robe and towel. No. 1,243,206; Oct. 16; v. 243; p. 626.
- Norman, Magnus, St. Paul, Minn. Combined generator and burner. No. 1,226,798; May 22; v. 238; p. 1050.
- Norman, Richard C., Jr., Grayton, Md. Carbureter. No. 1,216,158; Feb. 13; v. 235; p. 628.
- Norman, William A., Chicago, Ill. Roll-paper shoes. No. 1,242,966; Oct. 16; v. 243; p. 551.
- Norman, William F., Nevada, Mo. Traveling ceiling-fan for tunnel-driers. No. 1,221,365; Apr. 3; v. 237; p. 128.
- Normandy, Isaac, St. Catharines, Ontario, Canada. Automobile-tire. No. 1,231,931; July 3; v. 240; p. 132.
- Normann, John P., assignor of one-half to S. A. Erickson, Crookston, Minn. Folding check-book. No. 1,228,589; June 5; v. 239; p. 73.
- Norpoth, Theodore, St. Louis, assignor of one-fourth to T. G. Ehrhardt, California, Mo. Playing-card. No. 1,230,317; June 19; v. 239; p. 736.
- Norquest, John E., Richmond, Va., assignor to P. Lorillard Company, New York, N. Y. Cigar-slitting machine. No. 1,245,012; Oct. 30; v. 243; p. 1245.
- Norquist, Lester E., Denver, Colo. Catamenial appliance. No. 1,241,652; Oct. 2; v. 243; p. 59.
- Norre, Jens A. (See Hansen, Norre, and Reimer.)
- Norrel, Anders, Baden, Switzerland. Apparatus for truing up commutators of electric machines. No. 1,249,655; Dec. 11; v. 245; p. 384.
- Norring, Morris, Rolfe, Iowa. Coop. No. 1,213,124; Jan. 16; v. 234; p. 1015.
- Norris, Almon E., Cambridge, Mass. Hoisting-bucket. No. 1,231,779; July 3; v. 240; p. 81.
- Norris, Almon E., Cambridge, Mass. Hoisting apparatus. No. 1,238,124; Aug. 28; v. 241; p. 956.
- Norris, Almon E., Brookline, Mass. Clutch mechanism. No. 1,247,564; Nov. 20; v. 244; p. 780.
- Norris Bros. (See Brown, William B., assignor.)
- Norris, Chester C., Bainbridge, Ga. Lens-guard attachment. No. 1,217,876; Feb. 27; v. 235; p. 1318.
- Norris, Daniel E., Robinson, Ill. Check valve. No. 1,219,848; Mar. 20; v. 236; p. 748.
- Norris, Edson R., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Coll-winding machine. No. 1,248,530; Dec. 4; v. 245; p. 29.
- Norris, George B., Columbus, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Mining-machine. No. 1,215,692; Feb. 13; v. 235; p. 462.
- Norris, George B., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining apparatus. No. 1,247,444; Nov. 20; v. 244; p. 747.
- Norris, Henry O., assignor to B. E. Porter, Celeste, Tex. Riveting-machine. No. 1,225,995; May 15; v. 238; p. 741.
- Norris, John B., assignor to Ellicott Machine Corporation, Baltimore, Md. Pipe-coupling. No. 1,219,849; Mar. 20; v. 236; p. 749.
- Norris, Marvin L., Fort Wayne, Ind. Milking-machine. No. 1,240,765; Sept. 18; v. 242; p. 711.
- Norris, Warren J., McLoud, Okla. Syringe. No. 1,221,084; Apr. 3; v. 237; p. 28.
- Norris, William L. (See Mahoney and Norris.)
- Norsk Hydro-elektrisk Kvaelfstoftkieselskab. (See Birke-land, Kristian, assignor.)
- Norsk Hydro-elektrisk Kvaelfstoftkieselskab. (See Platon, Olaf J. S., assignor.)
- Norstog, Bjorgulo, Watford City, N. D. Dirigible head-light. No. 1,239,034; Sept. 4; v. 242; p. 101.
- Norstrom, John K., and G. C. Breidert, Chicago, Ill. Heating and ventilating apparatus. No. 1,232,598; July 10; v. 240; p. 384.
- Norstrom, Nils E., Chicago, Ill. Carbureter. No. 1,236,205; Aug. 7; v. 241; p. 218.
- North American Chemical Company. (See Thoma, Andrew, assignor.)
- North Bro's. M'fg. Co. (See Leopold, George O., assignor.)
- North East Electric Company. (See Halbleib, Edward A., assignor.)
- North East Electric Company. (See Halbleib and Dorsey, assignors.)
- North East Electric Company. (See Halbleib and Lee, assignors.)
- North East Electric Company. (See Lee, Thomas L., assignor.)
- North East Electric Company. (See Lee, Earle P. and T. L., assignors.)
- North East Electric Company. (See Williams, Anthony F., assignor.)
- North East Electric Company. (See Williams and Halbleib, assignors.)
- North, Francis S., assignor to Union Special Machine Company, Chicago, Ill. Shaft-bearing. No. 1,214,062; Jan. 30; v. 234; p. 1403.
- North, George W., La Tuna, assignor of one-half to H. M. Andreas, El Paso, Tex. Baling-press. No. 1,229,126; June 5; v. 239; p. 253.
- North & Judd Manufacturing Company, The. (See Hancock, Horace G., assignor.)
- North & Judd Manufacturing Company, The. (See Troop, George W., assignor.)
- North, Ray A., Green Bay, Wis. Sewerage-screen. No. 1,217,207; Feb. 27; v. 235; p. 1086.
- North, Raymond F., and W. J. Buchner, Glendive, Mont. Clamp. No. 1,249,466; Dec. 11; v. 245; p. 330.
- North Side Tool Works, The. (See Miller, Curt, assignor.)
- Northall, William H., assignor of one-half to F. W. Goedeke, Evansville, Ind. Self-centering slide for extension-tables. No. 1,228,233; May 29; v. 238; p. 1560.
- Northern Brass Manufacturing Company. (See Brenton, James, assignor.)
- Northern Novelty Manufacturing Company. (See Kennedy, Charles J., assignor.)
- Northern Novelty Manufacturing Company. (See Wal-linder, Erick G., assignor.)
- Northover, Harry R., Winnipeg, Manitoba, Canada. Gas-cylinder for machine-guns. No. 1,234,071; July 17; v. 240; p. 898.
- Northover, Harry R., Winnipeg, Manitoba, Canada. Metal box or container for the feed-belts of machine-guns. No. 1,234,072; July 17; v. 240; p. 899.
- Northover, Harry R., Winnipeg, Manitoba, Canada. Combined gas-lever case and stand or mounting for Colt-type automatic guns. No. 1,237,083; Aug. 14; v. 241; p. 533.
- Northover, Harry R., Winnipeg, Manitoba, Canada. Flash-absorber attachment for machine-guns. No. 1,242,843; Oct. 9; v. 243; p. 478.
- Northrop, Jonas. (See Draper and Northrop.)
- Northrop, Jonas, Hopedale, Mass., assignor, by mesne assignments, to Draper Company. Mithreading device. (Reissue.) No. 14,265; Feb. 27; v. 235; p. 1325.
- Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Loom-picker. No. 1,244,122; Oct. 23; v. 243; p. 937.
- Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Filling-feeler mechanism. No. 1,249,280; Dec. 4; v. 245; p. 247.
- Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Filling-feeler mechanism. No. 1,249,281; Dec. 4; v. 245; p. 247.
- Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Filling-feeler mechanism. No. 1,249,282; Dec. 4; v. 245; p. 247.
- Northrup, Edwin F., Princeton, assignor, to Pyroelectric Instrument Co., Trenton, N. J. Pyrometer. No. 1,234,203; July 24; v. 240; p. 978.
- Northrup, Edwin F., Princeton, assignor to Pyroelectric Instrument Co., Trenton, N. J. Electrical measuring apparatus. No. 1,245,609; Nov. 6; v. 244; p. 142.
- Northrup, Edwin F., Princeton, assignor to Pyroelectric Instrument Co., Trenton, N. J. Electrical measuring apparatus. No. 1,245,956; Nov. 6; v. 244; p. 245.
- Northrup, Elmer C., assignor, by mesne assignments, to Savings Union Bank and Trust Company, San Francisco, Cal. Head-motion for nailing-machines. No. 1,213,895; Jan. 30; v. 234; p. 1346.
- Northrup, Elmer C., assignor, by mesne assignments, to Savings Union Bank and Trust Company, San Francisco, Cal. Box-nailing machine. No. 1,226,907; May 22; v. 238; p. 1086.
- Northrup, Elmer C., assignor, by mesne assignments, to Savings Union Bank and Trust Company, San Francisco, Cal. Starting and stopping motion. No. 1,244,636; Oct. 30; v. 243; p. 1131.

- Northup, Frank L. (See Hardman, Thomas, assignor.)
 Northwestern Expanded Metal Company. (See Arey, Fred C., assignor.)
 Northwestern Knitting Company. (See Chatfield, Franklin, assignor.)
 Northwood, Harry, Wheeling, W. Va. Socket-cover. No. 1,217,489; Feb. 27; v. 235; p. 1185.
 Northwood, Harry, Wheeling, W. Va. Producing decorative color effects on glassware. No. 1,217,490; Feb. 27; v. 235; p. 1185.
 Northwood, Harry, Wheeling, W. Va. Socket-cover. No. 1,225,049; May 8; v. 238; p. 378.
 Northwood, Harry, Wheeling, W. Va. Producing glassware presenting brecciated marble effects. No. 1,229,315; June 12; v. 239; p. 366.
 Northwood, Harry, Wheeling, W. Va. Lighting-fixture. No. 1,247,445; Nov. 20; v. 244; p. 747.
 Norton, Albert C., Denver, Colo. Flume. No. 1,237,544; Aug. 21; v. 241; p. 718.
 Norton, Charles H., assignor to Norton Grinding Company, Worcester, Mass. Clutch-operating means. No. 1,211,747; Jan. 9; v. 234; p. 502.
 Norton, Charles H., assignor to Norton Grinding Company, Worcester, Mass. Truck for waste material. No. 1,234,376; July 24; v. 240; p. 1035.
 Norton, Charles H., assignor to Norton Grinding Company, Worcester, Mass. Grinding-machine table. No. 1,235,232; July 31; v. 240; p. 1334.
 Norton Company. (See King, Clarence R., assignor.)
 Norton Company. (See Saunders and White, assignors.)
 Norton Door Check Company. (See Norton, Lewis C., assignor.)
 Norton, Edward P., Cottonwood Falls, Kans. Vegetable-slicer. No. 1,213,681; Jan. 23; v. 234; p. 1242.
 Norton, Edwin, deceased, Paget West, Bermuda; L. E. Norton, executrix. Solder-strip-coating machine. No. 1,237,805; Aug. 21; v. 241; p. 801.
 Norton, Frank W., Cedar Rapids, Iowa. Photographic-printing machine. No. 1,247,565; Nov. 20; v. 244; p. 780.
 Norton, Fred E., Worcester, Mass., assignor to General Electric Company. Cooling centrifugal compressors. No. 1,251,410; Dec. 25; v. 245; p. 991.
 Norton Grinding Company. (See Norton, Charles H., assignor.)
 Norton Grinding Company. (See Wilcox, Turner, and Dunbar, assignors.)
 Norton, Harold F., Newport News, Va. Davit. No. 1,246,778; Nov. 13; v. 244; p. 519.
 Norton Iron Works. (See Alexander, Truman, assignor.)
 Norton Iron Works. (See Kramer, Leonard, assignor.)
 Norton, James, Reeds Ferry, N. H. Detachable handle for trucks. No. 1,213,938; Jan. 30; v. 234; p. 1359.
 Norton, James A., Odebolt, Iowa, assignor to Golden West Pump Company, Sioux Falls, S. D. Pump. No. 1,242,842; Oct. 9; v. 243; p. 477.
 Norton, Lewis C., assignor to Norton Door Check Company, Chicago, Ill. Door-check. No. 1,211,337; Jan. 2; v. 234; p. 329.
 Norton, Lucy E., executrix. (See Norton, Edwin.)
 Norton, Ralph H., and C. M. MacKenzie, assignors to Acme Steel Goods Company, Chicago, Ill. Strap-stretcher. No. 1,242,026; Oct. 2; v. 243; p. 178.
 Norton, Roy H., Putnam Station, N. Y. Closure for bung-holes. No. 1,241,757; Oct. 2; v. 243; p. 92.
 Norton, Samuel H., assignor to The McCroskey Reamer Co., Meadville, Pa. Adjustable reamer. No. 1,250,630; Dec. 18; v. 245; p. 712.
 Norvig, Regnar, Askov, Minn. Paper-lift for drawers and the like. No. 1,241,429; Sept. 25; v. 242; p. 951.
 Norvell, Henry O., Mascot, Tenn. Flotation apparatus. No. 1,243,093; Oct. 16; v. 243; p. 593.
 Norvell, Lorenzo, St. Louis, Mo. Automobile-hood. No. 1,226,576; May 15; v. 238; p. 936.
 Norwalk, Albert B., (See Kelly, William A., assignor.)
 Norwalk, Albert B., New York, N. Y. Tire-valve. No. 1,223,344; Apr. 17; v. 237; p. 887.
 Norwalk, Albert B., New York, N. Y. Tire-valve. No. 1,223,345; Apr. 17; v. 237; p. 888.
 Norwood, Charles L., Philadelphia, Pa. Electric thermostat. No. 1,248,894; Dec. 4; v. 245; p. 137.
 Norwood, Harry G., Stovall, N. C., assignor to H. W. Hall, Richmond, Va. Pipe-wrench. No. 1,218,576; Mar. 6; v. 236; p. 237.
 Norwood, Harry Y., Rochester, N. Y. Receptacle. No. 1,236,471; Aug. 14; v. 241; p. 334.
 Norwood, Harry Y., Rochester, N. Y. Sign. No. 1,239,033; Sept. 4; v. 242; p. 100.
 Norwood, Harry Y., assignor to Taylor Instrument Companies, Rochester, N. Y. Joining metal and glass tubes. No. 1,232,074; July 3; v. 240; p. 182.
 Norwood, Harry Y., assignor, by mesne assignments, to H. & M. Automatic Regulator Company, Rochester, N. Y. Time-controlled valve mechanism. No. 1,249,293; Dec. 4; v. 245; p. 250.
 Norwood, Harry Y., assignor to Taylor Instrument Companies, Rochester, N. Y. Indicating mechanism. No. 1,250,209; Dec. 18; v. 245; p. 586.
 Norwood, Harry Y., and F. K. Taylor, assignors to Taylor Instrument Companies, Rochester, N. Y. Fluid-pressure-controlled switch. No. 1,250,210; Dec. 18; v. 245; p. 586.
 Nostrand, Charles. (See Link, Ernest G., assignor.)
 Noteboom, Hubert. (See Hall, Chester P., assignor.)
 Notowl Manufacturing Company. (See Lemp, Albrecht, and Shebol, assignors.)
 Nott, Everett M. (See Fells and Nott.)
 Nott, Joseph H., assignor to Rex Golf Machine Company, Chicago, Ill. Golf driving-machine. No. 1,210,970; Jan. 2; v. 234; p. 204.
 Nottage, Stanley G., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Rotor-winding for asynchronous machines. No. 1,238,321; Aug. 28; v. 241; p. 1001.
 Nottage, Stanley G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Balancing means for phase-converting systems. No. 1,248,531; Dec. 4; v. 245; p. 29.
 Nottage, Stanley G., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,250,211; Dec. 18; v. 245; p. 586.
 Nottebohm, Eduard, Manila, Philippine Islands. Roofing-tile. No. 1,237,687; Aug. 21; v. 241; p. 765.
 Nottingham, William L., Capeville, Va. Coin-controlled vending-machine. No. 1,219,030; Mar. 13; v. 236; p. 436.
 Nourse, Rupert A. (See Scharrow, Frank E., assignor.)
 Novak, John, Buffalo, N. Y. Rail-joint. No. 1,230,428; June 19; v. 239; p. 772.
 Novak, Joseph. (See T6th and Novak.)
 Nover, Morris, New York, N. Y. Hand-bag. No. 1,235,049; July 31; v. 240; p. 1281.
 Novess, Frank, Ypsilanti, Mich. Fence post and stretcher. No. 1,250,631; Dec. 18; v. 245; p. 712.
 Novick, Abraham, Brooklyn, assignor to F. L. Schmidt Company, New York, N. Y. Sheet-synchronizing mechanism. No. 1,212,242; Jan. 16; v. 234; p. 705.
 Novo Manufacturing Company. (See Dunn, Jay E., assignor.)
 Novotny, James, Union Center, Wis. Brake-actuating lever. No. 1,242,366; Oct. 9; v. 243; p. 324.
 Novotny, James, assignor of one-half to J. E. Kosack, Union Center, Wis. Take-up mechanism. No. 1,242,229; Oct. 9; v. 243; p. 282.
 Nowaczky, Maximilian J., Grand Rapids, Mich. Refrigerator-counter. No. 1,235,919; Aug. 7; v. 241; p. 128.
 Nowak, Carl A., St. Louis, Mo. Non-intoxicating fermented beverage and making the same. No. 1,243,440; Oct. 16; v. 243; p. 695.
 Nowakowski, Aleksander, Detroit, Mich. Spittoon. No. 1,245,013; Oct. 30; v. 243; p. 1245.
 Nowka, Alfred, Harvard, Nebr. Motor-tractor. No. 1,211,216; Jan. 2; v. 234; p. 288.
 Nowotny, Harrie T., St. Louis, Mo. Lock for screens and the like. No. 1,230,920; June 26; v. 239; p. 974.
 Noyes, Benjamin H. (See Pillings, John H., assignor.)
 Noyes, Bernice J., Boston, Mass. Electric starting device for internal-combustion engines. No. 1,237,215; Aug. 14; v. 241; p. 573.
 Noyes, Edward P., Fort Monroe, Va. Spring control for electrical measuring instruments. No. 1,235,366; July 31; v. 240; p. 1375.
 Noyes, Hiland B. (See Strahle and Noyes.)
 Noyes, La Verne, assignor to Aermotor Company, Chicago, Ill. Pawl-and-ratchet mechanism. No. 1,245,371; Nov. 6; v. 244; p. 68.
 Noyes, Mayhew E., Cleveland, Ohio. Nut-tapping machine. No. 1,218,691; Mar. 13; v. 236; p. 315.
 Noyes, Muriel V., Boston, Mass. Sand toy. No. 1,248,532; Dec. 4; v. 245; p. 30.
 Nu-Ex Fire Appliance Company. (See Bargar, Frederick C., assignor.)
 Nu-Style Window Sash Company. (See Porter, Herman P., assignor.)
 Nuberg, Matthys, and J. Van den Boogaard, Grand Rapids, Mich. Safety device for power punch-presses. No. 1,215,972; Feb. 13; v. 235; p. 560.
 Nubson, Johan A. (See Nubson and Nubson.)
 Nuckolls, Samuel H., Atlanta, Ga. Drinking-cup and container. No. 1,222,450; Apr. 10; v. 237; p. 539.
 Nuckolls, Claude C., Menands, assignor to Consolidated Car-Heating Company, Albany, N. Y. Steam-heating system. No. 1,247,711; Nov. 27; v. 244; p. 857.
 Nuebling, Edward, New York, N. Y. Helical piston-wheel. No. 1,233,599; July 17; v. 240; p. 750.
 Nuenke, Paul E., Chicago, Ill. Internal-combustion engine. No. 1,241,876; Oct. 2; v. 243; p. 131.
 Nuessle, Carl, East Moline, Ill. Flush-tank. No. 1,246,987; Nov. 20; v. 244; p. 616.
 Nugent, Harvey C. (See Norman, Helgi, assignor.)
 Nugent, Michael J., Scranton, Pa. Tie-plate. No. 1,218,450; Mar. 6; v. 236; p. 194.
 Nugent, William W., Chicago, Ill. Lubricator. No. 1,212,387; Jan. 16; v. 234; p. 757.
 Null, Claude, and E. A. Baker, Rochester, Wash. Clutch-actuating means. No. 1,217,624; Feb. 27; v. 235; p. 1234.
 Nullmeyer, Frank H. (See Mirfield and Nullmeyer.)
 Nunn, Elbert E., Malvern, Ark. Bank-robber trap. No. 1,214,358; Jan. 30; v. 234; p. 1505.
 Nunn, Elbert E., Malvern, Ark. Motor-vehicle jack. No. 1,250,341; Dec. 18; v. 245; p. 626.
 Nunnally, Logan W., Kiowa, Okla. Jack. No. 1,232,712; July 10; v. 240; p. 423.
 Nur-Pon Company. (See Gamache and McNear, assignors.)

Alphabetical list of patentees—Continued.

- Nurse, Philip, New York, N. Y. Vehicle-wheel. No. 1,233,901; July 17; v. 240; p. 846.
- Nus, Glen, Arlington, Iowa. Oiling system for motors. No. 1,237,084; Aug. 14; v. 241; p. 533.
- Nusbaum, David, Newark, N. J. Sectional washboard. No. 1,237,806; Aug. 21; v. 241; p. 801.
- Nusbaum, Harry W., Mount Airy, Md. Time-indicator for railway-trains. No. 1,221,366; Apr. 3; v. 237; p. 128.
- Nuss, George L. F., Reading, Pa. Finger-nail ornament. No. 1,238,046; Aug. 21; v. 241; p. 878.
- Nussbaum, Leo, Marion, Ind. Eye-cup. No. 1,236,597; Aug. 14; v. 241; p. 375.
- Nussbaum, Theodore, Banning, assignor of one-half to W. M. Fewel, Redlands, Cal. Nut-lock. No. 1,245,957; Nov. 6; v. 244; p. 245.
- Nute, Thomas H., East Providence, R. I. Jack-spooler. No. 1,222,975; Apr. 17; v. 237; p. 762.
- Nutry, John, Brooklyn, N. Y. Contact reel and brush. No. 1,242,716; Oct. 9; v. 243; p. 438.
- Nutt, Alva V. (See Funcheon and Nutt.)
- Nutt, Daniel J., assignor of one-half to J. E. Crosby, Kansas City, Mo. Lock for motor-vehicles. No. 1,216,351; Feb. 20; v. 235; p. 747.
- Nutt, Hugh W., Rainier, Oreg. Clamp for well-polished rods. No. 1,225,674; May 8; v. 238; p. 590.
- Nutt, William G., Jonesboro, Ark. Fruit-jar holder. No. 1,219,847; Mar. 13; v. 236; p. 544.
- Nuttall, James, Bury, England. Pulp-beating engine. No. 1,250,632; Dec. 18; v. 245; p. 712.
- Nuttall, Thomas D., Bury, England. Steam-utilizing plant. No. 1,247,566; Nov. 20; v. 244; p. 781.
- Nutter, Charles P., Malden, Mass. Vegetable-cutter. No. 1,218,577; Mar. 6; v. 236; p. 237.
- Nutter, Claude, Montesano, Wash. Incubator-heater. No. 1,242,230; Oct. 9; v. 243; p. 282.
- Nutter, Edward F., Newburg, W. V. Shampooing-stand. No. 1,244,535; Oct. 30; v. 243; p. 1100.
- Nutting, Charles E., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Filling-fork grid for looms. No. 1,214,947; Feb. 6; v. 235; p. 163.
- Nutting, Charles E., Hopedale, Mass., assignor, by mesne assignments, to Draper Corporation, Portland, Me. Weft-feeler for looms. No. 1,224,775; May 1; v. 238; p. 234.
- Nutting, Charles E., Hopedale, Mass., assignor, by mesne assignments, to Draper Corporation, Portland, Me. Weft-thread catcher for automatic weft-replenishing looms. No. 1,233,695; July 17; v. 240; p. 779.
- Nutting, George D., Cleveland, Ohio. Spectacles. No. 1,223,097; Apr. 17; v. 237; p. 805.
- Nubson, Ole C., and J. A. Nubson, Duluth, Minn. Dough-sheeting machine. No. 1,225,481; May 8; v. 238; p. 525.
- Nya Aktiebolaget Atlas. (See Andersson, Gustaf, assignor.)
- Nya Aktiebolaget Svenska Automattfabriken. (See Johansson, Karl A. R., assignor.)
- Nya Aktiebolaget Terracotta. (See Bouvin, Karl T., assignor.)
- Nyberg, Carl S., Hasselbacken, Mellösa, Sweden. Apparatus for the irrigation of fields, gardens, and the like. No. 1,217,811; Feb. 27; v. 235; p. 1297.
- Nydegger, Adolph, assignor to C. H. & E. Manufacturing Co., Milwaukee, Wis. Bilge-pump. No. 1,242,231; Oct. 9; v. 243; p. 283.
- Nye, Edward J., Jr., Dollar Bay, Mich. Copper-billet mold. No. 1,250,212; Dec. 18; v. 245; p. 587.
- Nye, John L., Oelrichs, S. D. Cuff-link guard. No. 1,226,577; May 15; v. 238; p. 936.
- Nye Odorless Crematory Company. (See Felton, Augustus C., Jr., assignor.)
- Nygreen, Theodore W., assignor to L. Barron, Bellingham, Wash. Suction-producing machine. No. 1,250,492; Dec. 18; v. 245; p. 671.
- Nylander, Joseph L., Seattle, Wash. Surgical splint. No. 1,233,112; July 10; v. 240; p. 553.
- Nylund, Erik L., Crystal Falls, Mich. Sled. No. 1,238,431; Aug. 28; v. 241; p. 1037.
- Nymanning, George, Coalinga, Cal. Casing-shoe. No. 1,223,098; Apr. 17; v. 237; p. 805.
- Nyquist, Carl J., Los Angeles, Cal. Burner and overcoming flame propagation therein. No. 1,248,895; Dec. 4; v. 245; p. 138.
- Nyquist, Gustaf W., assignor to Rotary Valve Gas Engine Company, Minneapolis, Minn. Explosive-engine. No. 1,236,472; Aug. 14; v. 241; p. 334.
- Nysewander, David J., Toledo, Ohio. Tank. No. 1,222,123; Apr. 10; v. 237; p. 422.
- Nystrom, Martin, assignor to The Brunswick-Balke-Coller Company, Chicago, Ill. Speed-indicator. No. 1,223,896; Apr. 24; v. 237; p. 1116.
- Nystrom, Oscar P., Holland, Mich. Molding-machine. No. 1,211,618; Jan. 9; v. 234; p. 458.
- Nystrum, Conrad E., assignor of one-fourth to E. M. White, Medford, Wis. Cuspidor. No. 1,239,716; Sept. 11; v. 242; p. 348.
- O. Armleder Company, The. (See Biederman, Charles H., assignor.)
- O. & B. Company. (See Ofeldt, Frank W., assignor.)
- O & J Machine Co. (See Johnson and Oslund, assignors.)
- O. M. Edwards Company, The. (See Axe, Roy T., assignor.)
- O. M. Edwards Company, The. (See Chaffee, Edward F., assignor.)
- O. M. Edwards Company, The. (See Edwards, Oliver M., assignor.)
- O. M. Edwards Company, The. (See Lemon, James F., assignor.)
- O. S. Walker Co. (See Walker, Oakley S., assignor.)
- O'Banion, Jay. (See Magnus and O'Banion.)
- O'Bert, John F., Los Angeles, Cal. Refillable cartridge-fuse. No. 1,219,850; Mar. 20; v. 236; p. 749.
- O'Brien, Adelaide E., St. Louis, Mo. Antifriction device. No. 1,212,992; Jan. 16; v. 234; p. 971.
- O'Brien, Cornelius P., Omaha, Nebr. Indicating attachment for vehicles. No. 1,216,482; Feb. 20; v. 235; p. 794.
- O'Brien, Daniel F. (See McCarthy and O'Brien.)
- O'Brien, Daniel P., Woburn, assignor to Peabody Woburn Machine Company, Peabody, Mass. Leather-measuring machine. No. 1,230,507; June 19; v. 239; p. 799.
- O'Brien, Edward A. (See Smith and O'Brien.)
- O'Brien, Edward F., Somerville, Mass. Shoe-rack. No. 1,237,945; Aug. 21; v. 241; p. 845.
- O'Brien, Edwin K., Charlottesville, Va. Device for inserting explosive charges in earth. No. 1,247,567; Nov. 20; v. 244; p. 781.
- O'Brien, Eugene, Eau Claire, Wis. Friction-drum winding mechanism. No. 1,246,988; Nov. 20; v. 244; p. 616.
- O'Brien, Gerald R., St. Paul, Minn. Lock for the engines of automobiles and other vehicles. No. 1,247,605; Nov. 20; v. 244; p. 792.
- O'Brien, Henry D., Forsyth, Mont. Truss-pad. No. 1,219,032; Mar. 13; v. 236; p. 437.
- O'Brien, Henry D., Forsyth, Mont. Truss. No. 1,244,766; Oct. 30; v. 243; p. 1171.
- O'Brien, Henry G., Pittsburgh, Pa. Rolling-mill. No. 1,236,598; Aug. 14; v. 241; p. 375.
- O'Brien, John. (See Mattson and O'Brien.)
- O'Brien, John, Buffalo, N. Y. Runner attachment for automobiles. No. 1,236,343; Aug. 7; v. 241; p. 259.
- O'Brien, John C., assignor to Eisenstadt Manufacturing Company, St. Louis, Mo. Bracelet. No. 1,234,204; July 24; v. 240; p. 978.
- O'Brien, John E. (See Harter, Charles, assignor.)
- O'Brien, John E., and C. Harter, St. Louis, Mo. Car-roof. No. 1,236,003; Aug. 7; v. 241; p. 155.
- O'Brien, John F., assignor to The Municipal Machine Manufacturing Co., Piqua, Ohio. Street-sweeping machine. No. 1,244,071; Oct. 23; v. 243; p. 922.
- O'Brien, John O. (See Thornton, John E., assignor.)
- O'Brien, Joseph J., Washington, D. C. Writing instrument. No. 1,224,495; May 1; v. 238; p. 136.
- O'Brien, Joseph J., Washington, D. C. Sanitary drinking-cup. No. 1,245,610; Nov. 6; v. 244; p. 142.
- O'Brien, Leo F., St. Louis, Mo. Sterilizer. No. 1,228,957; June 5; v. 239; p. 196.
- O'Brien Merrill, Incorporated. (See Stockwell, Edgar E., assignor.)
- O'Brien, Michael, Jersey City, N. J. Railway-rail lock. No. 1,244,072; Oct. 23; v. 243; p. 923.
- O'Brien, Thomas, Brooklyn, N. Y. Machine for measuring and marking shoe-soles. No. 1,217,208; Feb. 27; v. 235; p. 1087.
- O'Brien, Thomas, Philadelphia, Pa. Drawbridge joint connection and lock. No. 1,231,287; June 26; v. 239; p. 1099.
- O'Brien, Thomas, New York, N. Y. Bottle-capping machine. No. 1,241,141; Sept. 25; v. 242; p. 861.
- O'Brien, Thomas F. I., New York, N. Y. Rotary engine. No. 1,223,721; Apr. 24; v. 237; p. 1054.
- O'Brien, Thomas J., Meriden, Conn. Locking device for automobiles and similar vehicles. No. 1,244,237; Oct. 23; v. 243; p. 972.
- O'Brien, William S., Bridgeport, Conn. Automatic stopping and releasing mechanism for phonographs. No. 1,248,533; Dec. 4; v. 245; p. 30.
- O'Bryan, David W., Mount Auburn, Ill. Rail-spike. No. 1,214,578; Feb. 6; v. 235; p. 33.
- O'Callaghan, Peter J., Chicago, Ill. Berth for sleeping-cars. No. 1,224,660; May 1; v. 238; p. 194.
- O'Callahan, Charles F. (See Ferrero, Charles P., assignor.)
- O'Connell, Daniel C., et al. (See Spirewki, John S., Jr., assignor.)
- O'Connell, Daniel F., Winnipeg, Manitoba, Canada. Automatic safety-pulley. No. 1,231,052; June 26; v. 239; p. 1021.
- O'Connell, Edward, Detroit, Mich. Fountain-comb. No. 1,221,578; Apr. 3; v. 237; p. 203.
- O'Connell, Edward J., Fort Wayne, Ind., assignor to Deister Concentrator Company. Feeding appliance for ore-concentrators. No. 1,245,611; Nov. 6; v. 244; p. 143.
- O'Connell, James E., et al. (See Spirewki, John S., Jr., assignor.)
- O'Connell, James P., Crompton, R. I. Spinning-machine band. No. 1,243,337; Oct. 16; v. 243; p. 665.
- O'Connell, John, Cohoes, N. Y. Cotton-cleaning apparatus. No. 1,239,432; Sept. 4; v. 242; p. 227.
- O'Connor, Arthur, Westgate, Iowa. Shelf for ladders. No. 1,245,958; Nov. 6; v. 244; p. 246.
- O'Connor, Charles H., Sault Ste. Marie, Ontario, Canada. Paper-roll holder and printing device. No. 1,226,243; May 15; v. 238; p. 827.
- O'Connor, Clara B., New York, N. Y. Game apparatus. No. 1,211,748; Jan. 9; v. 234; p. 502.

- O'Connor, Harry, Port Huron, Mich. Switch-box. No. 1,237,807; Aug. 21; v. 241; p. 802.
- O'Connor, James, New York, N. Y. Accenting device for mechanical musical instruments. No. 1,214,943; Feb. 6; v. 235; p. 161.
- O'Connor, James, New York, N. Y. Electric heater. No. 1,251,411; Dec. 25; v. 245; p. 991.
- O'Connor, John, New York, N. Y. Oilier for elevator and weight-guide rails. No. 1,233,902; July 17; v. 240; p. 846.
- O'Connor, John B., assignor to Lyon Metallic Manufacturing Company, Aurora, Ill. Locker and cabinet. No. 1,212,993; Jan. 16; v. 234; p. 971.
- O'Connor, John B., assignor to Lyon Metallic Manufacturing Company, Aurora, Ill. Door for shelving. No. 1,223,897; Apr. 24; v. 237; p. 1116.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Means for recording actions of railway draft-gears. No. 1,217,984; Mar. 6; v. 236; p. 33.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction-gear. No. 1,219,851; Mar. 20; v. 236; p. 750.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Refrigerator-door and operating mechanism therefor. No. 1,220,263; Mar. 27; v. 236; p. 931.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-gear. No. 1,220,264; Mar. 27; v. 236; p. 932.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Railway-car draft-rigging. No. 1,220,265; Mar. 27; v. 236; p. 932.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Shock-absorbing device for vehicles. No. 1,220,446; Mar. 27; v. 236; p. 997.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Resilient vehicle-wheel. No. 1,220,534; Mar. 27; v. 236; p. 1028.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Vehicle-wheel. No. 1,220,535; Mar. 27; v. 236; p. 1029.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draw-bar and draft-yoke connecting means in railway-car draft-rigging. No. 1,220,536; Mar. 27; v. 236; p. 1029.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Detachable draw-bar and yoke connection. No. 1,220,537; Mar. 27; v. 236; p. 1029.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Resilient wheel. No. 1,222,976; Apr. 17; v. 237; p. 762.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Side bearing for railway-cars. No. 1,222,977; Apr. 17; v. 237; p. 763.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Antifriction center-bearing. No. 1,222,978; Apr. 17; v. 237; p. 763.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Railway draft-rigging. No. 1,223,823; Apr. 24; v. 237; p. 1091.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction-gear. No. 1,223,824; Apr. 24; v. 237; p. 1091.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Hand-brake. No. 1,224,093; Apr. 24; v. 237; p. 1181.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Frictional shock-absorber for vehicles. No. 1,224,496; May 1; v. 238; p. 136.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Means for supporting vestibule-diaphragm face-plates. No. 1,225,161; May 8; v. 238; p. 416.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging for railway-cars. No. 1,225,162; May 8; v. 238; p. 416.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Locomotive and tender connection. No. 1,225,163; May 8; v. 238; p. 417.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging for railway-cars. No. 1,225,675; May 8; v. 238; p. 590.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Indicator. No. 1,225,996; May 15; v. 238; p. 741.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction spring unit for draft-rigging. No. 1,226,244; May 15; v. 238; p. 827.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Hoisting apparatus. No. 1,226,578; May 15; v. 238; p. 936.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction spring-gear. No. 1,226,579; May 15; v. 238; p. 936.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction-gear having a compound release. No. 1,227,821; May 29; v. 238; p. 1424.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging. No. 1,228,234; May 29; v. 238; p. 1561.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging for railway-cars. No. 1,228,235; May 29; v. 238; p. 1561.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Roller side bearing. No. 1,228,236; May 29; v. 238; p. 1561.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Connection for draft-rigging draw-bars and yokes. No. 1,228,590; June 5; v. 239; p. 73.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-gear. No. 1,228,591; June 5; v. 239; p. 74.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Railway draft-rigging. No. 1,228,592; June 5; v. 239; p. 74.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging for railway-cars. No. 1,231,053; June 26; v. 239; p. 1022.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Double-ended friction-gear. No. 1,231,054; June 26; v. 239; p. 1022.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Yoke. No. 1,232,376; July 3; v. 240; p. 279.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draw-bar and two-part-yoke connection. No. 1,242,844; Oct. 9; v. 243; p. 478.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-yoke for railway-cars. No. 1,242,845; Oct. 9; v. 243; p. 478.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Side bearing for railway-cars. No. 1,245,372; Nov. 6; v. 244; p. 68.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging for railway-cars. No. 1,248,534; Dec. 4; v. 245; p. 30.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Side bearing for railway-cars. No. 1,248,535; Dec. 4; v. 245; p. 31.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Center-bearing for cars. No. 1,249,468; Dec. 11; v. 245; p. 330.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-gear for locomotives. No. 1,250,493; Dec. 18; v. 245; p. 671.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Railway-car draft-gear. No. 1,251,089; Dec. 25; v. 245; p. 897.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Roller side bearing. No. 1,251,090; Dec. 25; v. 245; p. 897.
- O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Draft-rigging for railway-cars. No. 1,251,091; Dec. 25; v. 245; p. 897.
- O'Connor, John F., Chicago, Ill., assignor to Pratt and Letchworth Company, Buffalo, N. Y. Truck-bolster for railway-cars. No. 1,243,757; Oct. 23; v. 243; p. 827.
- O'Connor, John F., Chicago, Ill., assignor to Pratt and Letchworth Company, Buffalo, N. Y. Cast-steel bolster for railway-car trucks. No. 1,249,467; Dec. 11; v. 245; p. 330.
- O'Connor, Maurice, Fort Adams, R. I. Vehicle-hub. No. 1,224,953; May 8; v. 238; p. 346.
- O'Connor, Maurice, Fort Adams, R. I. Vehicle-wheel. No. 1,226,362; May 15; v. 238; p. 868.
- O'Connor, Michael J., Bismarck, N. D. Drum. No. 1,243,207; Oct. 16; v. 243; p. 627.
- O'Connor Spiral Pump and Blower Company, The. (See O'Connor, Thomas, assignor.)
- O'Connor, Thomas, Philadelphia, Pa., assignor to The O'Connor Spiral Pump and Blower Company. Cut-off means for spiral pumps. No. 1,231,640; July 3; v. 240; p. 34.
- O'Connor, Thomas G., Osceola, Wis. Scaffolding. No. 1,246,989; Nov. 20; v. 244; p. 617.
- O'Daniel, Nolen. (See MacEachern and O'Daniel.)
- O'Donnell, Daniel, et al. (See Thompson, John A., assignor.)
- O'Donnell, John R., Brooklyn, N. Y. Reinforced-concrete floor structure. No. 1,217,985; Mar. 6; v. 236; p. 34.
- O'Donnell, William, Oklahoma, Okla. Piling. No. 1,245,373; Nov. 6; v. 244; p. 69.
- O'Dowd, Henry W., Jersey City, N. J. Oven. No. 1,228,367; May 29; v. 238; p. 1605.
- O'Dowd, Henry W., Jersey City, N. J., assignor to W. M. Crane Company. Heating apparatus. No. 1,224,497; May 1; v. 238; p. 137.
- O'Dowd, Henry W., Jersey City, N. J., assignor to W. M. Crane Company. Oven-door. No. 1,228,042; May 29; v. 238; p. 1499.
- O'Dowd, Henry W., Jersey City, N. J., assignor to W. M. Crane Company. Sad-iron. No. 1,228,043; May 29; v. 238; p. 1499.
- O'Dowd, Henry W., Jersey City, N. J., assignor to William M. Crane Company. Sad-iron. No. 1,244,887; Oct. 30; v. 243; p. 1207.
- O'Dowd, Thomas, Warren, Ohio. Antiskidding and braking device for automobiles. No. 1,216,597; Feb. 20; v. 235; p. 835.
- O'Garra, James, Dayton, Ohio. Water-driven engine. No. 1,221,085; Apr. 3; v. 237; p. 29.
- O'Garra, Thomas, West Derby, (near Liverpool), assignor to J. T. D. Hutton, Liverpool, England. Holder for adjustable turning and the like tools. No. 1,245,959; Nov. 6; v. 244; p. 246.
- O'Gorman, William J., New York, N. Y. Spark-plug. No. 1,228,958; June 5; v. 239; p. 196.
- O'Grady, Harry, Westbourne, Tenn. Torpedo-catcher and mine-destroyer. No. 1,217,812; Feb. 27; v. 235; p. 1298.

Alphabetical list of patentees—Continued.

- O'Grady, Thomas P., deceased; V. I. O'Grady, executrix, Esplanade, Grange, South Australia, Australia. Mechanical lock or grip. No. 1,243,338; Oct. 16; v. 243; p. 665.
- O'Grady, Violet I., executrix. (See O'Grady, Thomas P.)
- O'Hara, James E., Whitman, Mass. Shoe-sole. No. 1,241,142; Sept. 25; v. 242; p. 861.
- O'Hara, William H., Greenville, Miss. Stalk-cutter. No. 1,249,178; Dec. 4; v. 245; p. 216.
- O'Haver, Edward F., Carlisle, Ind. Rotary engine. No. 1,223,100; Apr. 17; v. 237; p. 805.
- O'Hearn, George E., assignor to Heywood Brothers and Wakefield Company, Gardner, Mass. Go-cart. No. 1,212,243; Jan. 16; v. 234; p. 706.
- O'Keefe, John. (See Kost, Victor, assignor.)
- O'Keefe, Elbert R., assignor of one one-hundredth to A. H. Sturges, Omaha, Nebr. Magnetic reciprocator for electric generators. No. 1,215,401; Feb. 13; v. 235; p. 353.
- O'Keenan, Charles E., Paris, France. Clock. No. 1,218,692; Mar. 13; v. 236; p. 315.
- O'Leary, Arthur F. (See Walp and O'Leary.)
- O'Leary, Arthur T., Butte, Mont. Aeroplane. No. 1,246,311; Nov. 13; v. 244; p. 379.
- O'Leary, Daniel J., Bruff, Ireland. Combined rug and fastening. No. 1,242,717; Oct. 9; v. 243; p. 438.
- O'Leary, Marguerite V. (See McDonald, Leslie R., assignor.)
- O'Loughlin, James, New Britain, Conn. Fire-extinguishing apparatus. No. 1,244,637; Oct. 30; v. 243; p. 1131.
- O'Malley, Charles E., Mansfield, Mass. Bottle-cap. No. 1,240,767; Sept. 18; v. 242; p. 711.
- O'Malley, John F., New York, N. Y. Match-holder. No. 1,221,581; Apr. 3; v. 237; p. 204.
- O'Malley, Michael J., Chicago, Ill. Fibrous material of construction. No. 1,233,801; July 17; v. 240; p. 812.
- O'Mara, Edward, St. Louis, Mo. Vacuum-pump. No. 1,245,612; Nov. 6; v. 244; p. 143.
- O'Neal, Oscar, Fremont, Mich. Headlight control. No. 1,213,126; Jan. 16; v. 234; p. 1016.
- O'Neal, Simeon, assignor of one-half to W. F. Schenck, Lubbock, Tex. Dustless trousers cabinet. No. 1,219,854; Mar. 20; v. 236; p. 750.
- O'Neal, Thess A., and J. S. Nichols, Atlanta, Ga. Steam-boiler. No. 1,234,073; July 17; v. 240; p. 899.
- O'Neill, Hugh D., Canal Dover, Ohio. Thermostatic controller for heating apparatus. No. 1,217,049; Feb. 20; v. 235; p. 987.
- O'Neill, Hugh, assignor to Simplex Air Brake and Manufacturing Co., Pittsburgh, Pa. Draft-controlling mechanism. No. 1,240,870; Sept. 25; v. 242; p. 777.
- O'Neill, John J. (See Kane and O'Neill.)
- O'Neill, David, Woodside, N. Y. Rolling window-screen. No. 1,240,768; Sept. 18; v. 242; p. 712.
- O'Neill, Frank, Toledo, Ohio. Glass-forming machine. No. 1,217,102; Feb. 20; v. 235; p. 1005.
- O'Neill, Frank, Toledo, Ohio. Neck-mold for bottle-blowing machines. No. 1,231,188; June 26; v. 239; p. 1067.
- O'Neill, Frank V., Boston, assignor of one-half to H. Carmichael, Malden, and one-half to W. W. MacKusick, Boston, Mass. Treating vulcanized rubber. No. 1,243,623; Oct. 16; v. 243; p. 750.
- O'Neill, James A., New York, N. Y., assignor to The Westinghouse Machine Company. Twyer-block. No. 1,222,452; Apr. 10; v. 237; p. 540.
- O'Neill, Richard J. (See Bethune and O'Neill.)
- O'Neill, William, assignor of one half to S. Meyer, New York, N. Y. Bottle-cap remover. No. 1,212,389; Jan. 16; v. 234; p. 758.
- O'Quinn, Arthur M., Miami, Fla. Sizer and grader. No. 1,249,179; Dec. 4; v. 245; p. 216.
- O'Reilly, Bernard, Rochester, N. Y. Corpse-carrier. No. 1,240,359; Sept. 18; v. 242; p. 585.
- O'Reilly, William E., London, England. Combined handle and receptacle for safety-razor blades. No. 1,228,698; June 5; v. 239; p. 110.
- O'Riely, Cornelius J., Los Angeles, Cal. Folding frying-pan. No. 1,210,974; Jan. 2; v. 234; p. 206.
- O'Rourke, Daniel J. (See Mercer and O'Rourke.)
- O'Rourke, Daniel J., and F. D. Holdsworth, Claremont, N. H., assignors, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Rock-drill support. No. 1,218,604; Mar. 6; v. 236; p. 247.
- O'Rourke, Frank G., Albany, N. Y. Rotary engine. No. 1,247,868; Nov. 27; v. 244; p. 903.
- O'Rourke, Frank J., New York, N. Y. Fountain-syringe. No. 1,239,947; Sept. 11; v. 242; p. 421.
- O'Rourke, John F., New York, N. Y. Tunnel construction. No. 1,235,233; July 31; v. 240; p. 1335.
- O'Rourke, William F., Chicago, Ill. Transom-lifter. No. 1,225,351; May 8; v. 238; p. 483.
- O'Sullivan, Eugene, South Bethlehem, Pa. Liquid-elevating apparatus. No. 1,229,781; June 12; v. 239; p. 522.
- O'Sullivan, Michael. (See McCall, O'Sullivan, and McCall.)
- O'Sullivan, Thomas, Montreal, Quebec, Canada. Ship-brake. No. 1,223,416; Apr. 24; v. 237; p. 945.
- O'Toole, John F. (See Mack and O'Toole.)
- O'Toole, Martin. (See Mack and O'Toole.)
- O'Toole, Robert, Birmingham, Ala. Display-rack. No. 1,212,245; Jan. 16; v. 234; p. 707.
- O'Toole, William P., Winthrop, Mass. Ball-bearing. No. 1,235,235; July 31; v. 240; p. 1335.
- Oakes, Archie. (See Kuhn and Oakes.)
- Oakes Company, The. (See Swenson, Carl G., assignor.)
- Oakes, Francis J., New York, N. Y. Making pigment and product thereof. No. 1,248,385; Nov. 27; v. 244; p. 1048.
- Oakes, Henry, assignor to George Skay and Company Limited, Tamworth, England. Apparatus for the manufacture of earthenware vessels. No. 1,230,017; June 12; v. 239; p. 598.
- Oakes, Owen F., West Roxbury, Mass. Thread for making knitted garments. No. 1,228,126; May 29; v. 238; p. 1526.
- Oakes, Stanley B., Flint, Mich. Electric cooker. No. 1,227,488; May 22; v. 238; p. 1280.
- Oakland, Howard, Hoguam, Wash. Tie-display fixture. No. 1,236,342; Aug. 7; v. 241; p. 259.
- Oakleaf, James F. (See Wright and Oakleaf.)
- Oakley, John T., Dubuque township, Dubuque county, Iowa. Hoe. No. 1,244,765; Oct. 30; v. 243; p. 1170.
- Oakley Machine Tool Company, The. (See Isler, Herman R., assignor.)
- Oates, Edward B., Paterson, N. J. Flexible brush. No. 1,232,075; July 3; v. 240; p. 182.
- Oatley, Henry B., Flushing, and N. T. McKee, Yonkers, assignors to Locomotive Superheater Company, New York, N. Y. Superheater. No. 1,210,519; Jan. 2; v. 234; p. 49.
- Oatman, Duke, Corpus Christi, Tex. Tire-armor. No. 1,241,006; Sept. 25; v. 242; p. 819.
- Oatman, Paul B., Erie, Pa. Collapsible tap or reamer. No. 1,224,494; May 1; v. 238; p. 136.
- Obeart-Nester Glass Company. (See Lynch, James W., assignor.)
- Oben, Charles J., et al. (See Smith and Brandon, assignors.)
- Obenauer, Frederick P., assignor to Thomas Steel Reinforcement Company, Detroit, Mich. Clamp for joint-fillers in concrete roadways. No. 1,236,972; Aug. 14; v. 241; p. 498.
- Oberdier, John, Mount Gilead, Ohio. Lifting-jack mechanism for motor-vehicles. No. 1,226,242; May 15; v. 238; p. 826.
- Oberfelder, Walter S., Chicago, Ill. Puncture-proof tube and producing same. No. 1,244,236; Oct. 23; v. 243; p. 972.
- Oberg, Carl I., Brownville, Me. Fish-line guide. No. 1,227,300; May 22; v. 238; p. 1220.
- Oberholtzer, Charlie D. (See Baker and Oberholtzer.)
- Oberholtzer, John M., Wooster, Ohio. Garbage-receptacle. No. 1,229,777; June 12; v. 239; p. 521.
- Oberkirch, Frank. (See Ashley, Robert W., assignor.)
- Oberkirch, Frank. (See Ashley and Oberkirch.)
- Oberkirch, Frank. (See Thomas, William M., assignor.)
- Oberle, Joseph H., Marshalltown, Iowa. Concrete-block machine. No. 1,221,367; Apr. 3; v. 237; p. 128.
- Oberley, Charles G., Munising, Mich. Apparatus for use in paper-making machines. No. 1,237,374; Aug. 21; v. 241; p. 664.
- Oberly, Chester C., assignor to The Pullman Company, Chicago, Ill. Terminal box. No. 1,248,699; Dec. 4; v. 245; p. 80.
- Obermeier, John, Portland, Oreg. Elastic vehicle-wheel. No. 1,213,774; Jan. 23; v. 234; p. 1272.
- Oberreich, Louie H., Indianapolis, Ind. Starter for internal-combustion engines. No. 1,219,031; Mar. 13; v. 236; p. 437.
- Obrecht, Edward, Louisville, Ky. Transmission-gear for automobiles. No. 1,246,779; Nov. 13; v. 244; p. 519.
- Ochs, Karl, Charlottenburg, assignor to Siemens & Halske, A. G., Berlin, Germany. Electrolysis of alkaline haloids. No. 1,222,239; Apr. 10; v. 237; p. 465.
- Odabashian, Serop, Worcester, Mass. Boat. No. 1,244,123; Oct. 23; v. 243; p. 938.
- Odean, Edward, Minneapolis, Minn. Car-door. No. 1,227,924; May 29; v. 238; p. 1458.
- Odell, Caleb H., New York, N. Y. Dispensing match-holder. No. 1,212,994; Jan. 16; v. 234; p. 972.
- Odell, George H., et al. (See De Nagy, Desiré, assignor.)
- Odell, George W., Westmount, Quebec, Canada. Adjusting and record card and the like. No. 1,221,895; Apr. 10; v. 237; p. 344.
- Odell, George W., Westmount, Quebec, Canada. Recording-machine for mechanically-determined calculations. No. 1,250,494; Dec. 18; v. 245; p. 671.
- Odell, Levi S., Forestville, N. Y. Puncture-proof layer for tires. No. 1,219,033; Mar. 13; v. 236; p. 437.
- Odell, Paul R., Butte, Mont. Sleeping-car berth. No. 1,233,113; July 10; v. 240; p. 553.
- Odell, William J., Brownwood, Tex. Curtain and shade support. No. 1,234,486; July 24; v. 240; p. 1071.
- Odenbach, Albert, Bonestell, S. D. Wire-stretcher. No. 1,218,306; Mar. 6; v. 236; p. 148.
- Odon, Ben F., et al. (See Woodward, Lavater, assignor.)
- Odorless Fertilizer Manufacturing Company. (See Zilk, Joseph E., assignor.)
- Oechsle, Theodore F., and A. D. Kumpf, Philadelphia, Pa. Retention device for window-panes. No. 1,236,747; Aug. 14; v. 241; p. 427.
- Oehler, Fred, G., and J. F., Shelby, Wis. Ice-cutting machine. No. 1,217,337; Feb. 27; v. 235; p. 1129.
- Oehler, Gustave. (See Oehler, Fred, G., and J. F.)
- Oehler, John F. (See Oehler, Fred, G., and J. F.)
- Oehler, John G., St. Louis, Mo. Auto-wheel. No. 1,231,780; July 3; v. 240; p. 82.

- Oehring, August J., assignor of one-half to A. L. Tucker, Chicago, Ill. Antiskid or antislip tread. No. 1,211,619; Jan. 9; v. 234; p. 459.
- Oelkers, Frederick C., East Port Chester, assignor to General Gas Appliance Company, New York, N. Y. Locking device for gas-stoves. No. 1,217,209; Feb. 27; v. 235; p. 1087.
- Oelschlägel, Wilhelm, New York, N. Y. Ice-skate. No. 1,218,451; Mar. 6; v. 236; p. 195.
- Oelschläger, Ernst, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke G. m. b. H., Berlin, Germany. Rectifier for polyphase alternating currents. No. 1,218,952; Mar. 13; v. 236; p. 409.
- Oelsner, Karl G., Riverton, Wyo. Life-saving device. No. 1,232,713; July 10; v. 240; p. 423.
- Oeschger, Walter I., assignor to Retlaw Manufacturing Company, Detroit, Mich. Tank-gage. No. 1,211,482; Jan. 9; v. 234; p. 411.
- Oesterlen, Otto, Zweibrücken, Germany. Preheating blast-furnace gases. No. 1,219,852; Mar. 20; v. 236; p. 750.
- Oesterlein Machine Company, The. (See Oesterlein, William, assignor.)
- Oesterlein, William, assignor to The Oesterlein Machine Company, Cincinnati, Ohio. Belt-shifter. No. 1,224,954; May 8; v. 238; p. 346.
- Oesterlund, Gustave W. (See Goody, Carl O., assignor.)
- Oeth, Cornelius E., Chicago, Ill. Self-winding clock. No. 1,237,216; Aug. 14; v. 241; p. 574.
- Oetter, Ernest J., Denver, Colo. Tire. No. 1,226,580; May 15; v. 238; p. 937.
- Oetter, Ernest J., Denver, Colo. Resilient-tire fastening. No. 1,250,633; Dec. 18; v. 245; p. 713.
- Ofeldt, Ernest G., Nyack, N. Y. Water-regulator. No. 1,232,377; July 3; v. 240; p. 280.
- Ofeldt, Frank W., Jersey City, N. J., assignor to O. & B. Company, Dravosburg, Pa. Valve-gear. No. 1,238,559; Aug. 28; v. 241; p. 1079.
- Ofeldt, Frank W., Jersey City, N. J., assignor to O. & B. Company, Dravosburg, Pa. Valve-gear. No. 1,238,560; Aug. 28; v. 241; p. 1079.
- Offenbacher Spezialfabrik für Schmiedegewerfabrikation Meyer & Schmidt, Erste. (See Benicke, Georg, assignor.)
- Offenhaus, Christopher, Philadelphia, Pa. Mixer-blade. No. 1,248,153; Nov. 27; v. 244; p. 982.
- Offenhaus, Christopher, Philadelphia, Pa. Drier and evaporator. No. 1,249,177; Dec. 4; v. 245; p. 216.
- Offermann, Fred. (See Cooper, Sutton, assignor.)
- Offermann, John B., Beaver Dam, Wis. Combination-tool. No. 1,223,722; Apr. 24; v. 237; p. 1054.
- Ogburn, Alvin R., Des Moines, Iowa. Driving mechanism for tractors. No. 1,223,099; Apr. 17; v. 237; p. 805.
- Ogburn, Rollin C., Des Moines, Iowa. Molding and setting table for plastic bodies. No. 1,241,007; Sept. 25; v. 242; p. 819.
- Ogden, Ashley G., assignor to Multiple Offset Machine Co., Baltimore, Md. Printing device. No. 1,244,362; Oct. 23; v. 243; p. 1009.
- Ogden, Carlton N., Houston, Tex. Liquid-vending machine. No. 1,218,888; Mar. 13; v. 236; p. 389.
- Ogden, J. Edward. (See Tompkinson, Charles C., assignor.)
- Ogden, Joseph J., assignor to Cotton Harvester Company of America, Inc., New Orleans, La. Cotton-harvester. No. 1,238,047; Aug. 21; v. 241; p. 878.
- Ogden, Richard L., Rahway, N. J. Apparatus for extracting values from bodies. No. 1,215,182; Feb. 6; v. 235; p. 243.
- Ogden, William C., Binghamton, N. Y. Invalid-carrier. No. 1,227,301; May 22; v. 238; p. 1220.
- Ogg, C. E., et al. (See Clark, Stuart J., assignor.)
- Ogg, Harry L., assignor to Automatic Electric Washer Company, Newton, Iowa. Combined washing and wringing machine. No. 1,222,240; Apr. 10; v. 237; p. 465.
- Ogg, Harry L., assignor to Automatic Electric Washer Company, Newton, Iowa. Supporting-frame for washing-machines. No. 1,226,988; May 22; v. 238; p. 1116.
- Ogilvy, Robert S., Kansas City, Mo., and O. A. Wood, Muskogee, Okla. Recording weighing mechanism. No. 1,249,656; Dec. 11; v. 245; p. 384.
- Ogle Construction Company. (See Bledsoe, Carl F., assignor.)
- Ogle, George M., assignor to Heywood Brothers and Wakefield Company, Wakefield, Mass. Car-seat. No. 1,240,244; Sept. 18; v. 242; p. 549.
- Ogle, Vern O., Waterville, Wash. Disk jointer. No. 1,228,695; June 5; v. 239; p. 109.
- Oglesby, Sabert G., Green Pond, Ala. Dirigible headlight. No. 1,226,581; May 15; v. 238; p. 937.
- Ohelski, Joseph, Parsons, Pa. Automobile-brake. No. 1,226,245; May 15; v. 238; p. 828.
- Ohio Blower Company, The. (See Foster, William J., assignor.)
- Ohio Blower Company, The. (See Lind, Herman H., assignor.)
- Ohio Blower Company, The. (See Mastenbrook, Henry J., assignor.)
- Ohio Blower Company, The. (See Swartwout, Denton K., assignor.)
- Ohio Brass Company, The. (See Austin, Arthur O., assignor.)
- Ohio Brass Company, The. (See Averill, Rex G., assignor.)
- Ohio Brass Company, The. (See Bolus, Glenn H., assignor.)
- Ohio Brass Company, The. (See Bovard, Floyd G., assignor.)
- Ohio Brass Company, The. (See Bovard, William P., assignor.)
- Ohio Brass Company, The. (See Brown, John R., assignor.)
- Ohio Brass Company, The. (See Gierding, Charles E., assignor.)
- Ohio Brass Company, The. (See Gierding and Brown, assignors.)
- Ohio Gas Generator & Manufacturing Company, The. (See Weber, Theodore T., assignor.)
- Ohio Pattern Works. (See Mieth, Otto, assignor.)
- Ohio Rake Company, The. (See Holtvoigt, Henry B., assignor.)
- Ohio Varnish Company, The. (See Darner, Ralph W., assignor.)
- Ohl, Herman, Jr., New York, N. Y. Coating-machine. No. 1,238,561; Aug. 28; v. 241; p. 1080.
- Ohl, Lloyd R., Akron, Ohio. Screw-driver. No. 1,218,452; Mar. 6; v. 236; p. 195.
- Ohlendorf, Ernest H. (See Boyd, Hamilton K., assignor.)
- Ohlhausen, William P., Jacksonville, Fla. Rock-saw. No. 1,246,990; Nov. 20; v. 244; p. 617.
- Ohlson, Henry C., Columbus, Ohio. Basket-ball goal. No. 1,218,204; Mar. 6; v. 236; p. 110.
- Ohmer Fare Register Company. (See Fefell and Ohmer, assignors.)
- Ohmer Fare Register Company. (See Ohmer, John F., assignor.)
- Ohmer Fare Register Company. (See Ohmer and Bridenbaugh, assignors.)
- Ohmer Fare Register Company. (See Ohmer and Sibley, assignors.)
- Ohmer Fare Register Company. (See Sibley, Harry J., assignor.)
- Ohmer, John F. (See Fefell and Ohmer.)
- Ohmer, John F., Dayton, Ohio. Printing device for ticket printing, issuing, and auditing machines. No. 1,242,967; Oct. 16; v. 243; p. 551.
- Ohmer, John F., assignor to Ohmer Fare Register Company, Dayton, Ohio, (incorporated in 1902.) Recording-depository. No. 1,210,972; Jan. 2; v. 234; p. 205.
- Ohmer, John F. and H. J. Sibley, assignors to Ohmer Fare Register Company, Dayton, Ohio, (incorporated in 1902.) Transfer printing and issuing machine. No. 1,210,971; Jan. 2; v. 234; p. 205.
- Ohmer, John F. and H. J. Sibley, assignors to Ohmer Fare Register Company, Dayton, Ohio, (incorporated in 1902.) Transfer-issuing machine. No. 1,210,973; Jan. 2; v. 234; p. 206.
- Ohmer, John F., and E. H. Bridenbaugh, Dayton, Ohio, assignors to Ohmer Fare Register Company, Rochester, N. Y. Taximeter. No. 1,223,067; Apr. 17; v. 237; p. 794.
- Ohmer, Wilfred I., assignor to The Recording and Computing Machine Company, Dayton, Ohio. Fare-box. No. 1,223,723; Apr. 24; v. 237; p. 1054.
- Ohmer, Wilfred I., assignor to The Recording and Computing Machines Company, Dayton, Ohio. Fare-box. No. 1,246,645; Nov. 13; v. 244; p. 480.
- Ohmer, Wilfred I., and D. B. Whistler, assignors to The Recording and Computing Machine Company, Dayton, Ohio. Fare-recording mechanism. No. 1,229,646; June 12; v. 239; p. 479.
- Ohmer, Wilfred I., and D. B. Whistler, assignors to The Recording and Computing Machine Company, Dayton, Ohio. Fare-recording mechanism. No. 1,229,647; June 12; v. 239; p. 479.
- Ohmes, Frederick J., Newark, N. J. Trunk-lock. No. 1,215,841; Feb. 13; v. 235; p. 514.
- Ohnell, Ernst J. (See Drellick, Axel C. G., assignor.)
- Ohnstad, John C., Fort Monroe, Va., assignor to General Electric Company. Supporting means for arc-lamp electrodes. No. 1,236,206; Aug. 7; v. 241; p. 218.
- Ohnstrand, Enoch, assignor to O. M. Edwards, Syracuse, N. Y. Sheet-metal filing-box. No. 1,213,240; Jan. 23; v. 234; p. 1089.
- Ohnstrand, Enoch, assignor to U. S. Steel Furniture Company, Syracuse, N. Y. Furniture-drawer. No. 1,222,451; Apr. 10; v. 237; p. 539.
- Ohnstrand, Enoch, assignor to U. S. Steel Furniture Company, Syracuse, N. Y. Metal desk or table. No. 1,232,961; July 10; v. 240; p. 505.
- Ohnstrand, Enoch, assignor to U. S. Steel Furniture Company, Syracuse, N. Y. Top for furniture. No. 1,233,497; July 17; v. 240; p. 714.
- Ohnstrand, Enoch, assignor to U. S. Steel Furniture Company, Syracuse, N. Y. Furniture. No. 1,247,712; Nov. 27; v. 244; p. 857.
- Oil Well Supply Company. (See Mack, Patrick H., assignor.)
- Oil Well Supply Company et al. (See Wilcox, Charles E., assignor.)
- Oiler, David M., Sr., Braddock borough, Pa. Cam-actuated pump. No. 1,236,863; Aug. 14; v. 241; p. 463.
- Ojczyk, Waldyslaw, Cleveland, Ohio. Toy draft-animal. No. 1,243,208; Oct. 16; v. 243; p. 627.
- Ojerholm, Arthur W., Worcester, Mass. Fishing-tackle. No. 1,212,388; Jan. 16; v. 234; p. 758.
- Ojerholm, Arthur W., Worcester, Mass. Reed. No. 1,214,948; Feb. 6; v. 235; p. 163.
- Okada, Mokichi, Tokyo, Japan. Cracked glass diamond. No. 1,219,853; Mar. 20; v. 236; p. 750.

Alphabetical list of patentees—Continued.

- Okamuro, Kenjiro, Manoa, Honolulu, Hawaii. Life-boat. No. 1,238,185; Aug. 28; v. 241; p. 957.
- Okamuro, Sugimatsu, Los Angeles, Cal. Window construction. No. 1,217,338; Feb. 27; v. 235; p. 1130.
- Okell, George E., assignor to (Miss) C. M. Lane, Los Angeles, Cal. Pump-cylinder attachment. No. 1,225,676; May 8; v. 238; p. 590.
- Okell, Stanley A. W., East Orange, N. J., assignor to Industrial Chemical Company, New York, N. Y. Process and apparatus for refining clay, &c. No. 1,222,979; Apr. 17; v. 237; p. 763.
- Okey, Perry, Columbus, Ohio, assignor, by mesne assignments, to Lalley Electro-Lighting Corporation, Detroit, Mich. Governor for regulating the overcharge for storage batteries. No. 1,240,590; Sept. 18; v. 242; p. 656.
- Okhuizen, Dirk, The Hague, Netherlands, assignor of one-half to R. Welcker, Springfield, Mass. Extensometer. No. 1,214,708; Feb. 6; v. 235; p. 80.
- Okler, Nicholas, Aurora, Ill. Rail-joint. No. 1,241,653; Oct. 2; v. 243; p. 59.
- Okmuggee Glass Company. (See Day, Charles, assignor.)
- Okrassa, Roberto F. E., Antigua, Guatemala. Boller. No. 1,218,453; Mar. 6; v. 236; p. 195.
- Okun, Moses S., New York, N. Y., assignor of one-third to G. E. Smith, Chicago, Ill. Electric lamp. No. 1,214,816; Feb. 6; v. 235; p. 115.
- Olander, Ernest V., Grand Rapids, Mich. Combined mop head and wringer. No. 1,230,208; June 19; v. 239; p. 700.
- Olander, Fred, Chicago, Ill. Combination scrubbing and mopping machine. No. 1,229,648; June 12; v. 239; p. 479.
- Olcott, Herbert R., assignor to J. S. Beall, Portland, Oreg. Culvert-joint. No. 1,227,187; May 22; v. 238; p. 1183.
- Old Bridge Enamelled Brick and Tile Company. (See Rivers, William E., assignor.)
- Old Dutch Manufacturing Co. (See Cotton, Walter H., assignor.)
- Oldenbusch, Ernest, Brooklyn, N. Y. Ash-tray and cigar-rest. No. 1,212,995; Jan. 16; v. 234; p. 972.
- Oldenbusch, Ernest, Brooklyn, N. Y. Desk-calendar. No. 1,236,973; Aug. 14; v. 241; p. 499.
- Oldendorph, Walter M., assignor of one-half to W. H. Spear, St. Louis, Mo. Packing-ring. No. 1,237,545; Aug. 21; v. 241; p. 719.
- Oldham, Arthur S., Helena, Ark. Cooker. No. 1,224,563; May 1; v. 238; p. 160.
- Oldham, Edward L., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Drill-sharpener. No. 1,211,483; Jan. 9; v. 234; p. 412.
- Oldham, Edward L., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Drill sharpener. No. 1,219,477; Mar. 20; v. 236; p. 618.
- Oldham, Edward L., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Drill-sharpener. No. 1,219,478; Mar. 20; v. 236; p. 619.
- Oldham, Frank, Dallas, Tex. Spraying and powder-dust-attachment. No. 1,218,953; Mar. 13; v. 236; p. 409.
- Oldham, Herschel, assignor of two-fifths to F. D. Hall, Escondido, Cal. Internal-combustion engine. No. 1,212,100; Jan. 9; v. 234; p. 624.
- Oldham, John, Helm, Ky. Transmission mechanism. No. 1,210,829; Jan. 2; v. 234; p. 154.
- Oldham, Raleigh R., Laurel, Wash. Knockdown tooth-brush. No. 1,216,159; Feb. 13; v. 235; p. 629.
- Oldham, William H., Elkton, Ky. Air and fuel spraying device for engines. No. 1,220,674; Mar. 27; v. 236; p. 1075.
- Olds, Alfred W., Windsor, Conn. Movement-indicating apparatus for vehicles. No. 1,239,511; Sept. 11; v. 242; p. 280.
- Olds, Eugene O., Washington, Pa. Spinal relaxer. No. 1,234,793; July 31; v. 240; p. 1200.
- Olds, Frank W., Bismarck, N. D. Wall gas-cock and coupling. No. 1,240,161; Sept. 11; v. 242; p. 483.
- Olds, Ira P., Santa Rosa, Fla. Wheelbarrow step-ladder. No. 1,221,579; Apr. 3; v. 237; p. 203.
- Olejniczak, Anton, Chicago, Ill. Car-coupling. No. 1,228,696; June 5; v. 239; p. 110.
- Olena, Harold G., Brooklyn, N. Y. Sanitary tooth-brush holder. No. 1,226,799; May 22; v. 238; p. 1050.
- Olesberg, Oluf E., Bawlf, Alberta, Canada. Stump and root extractor. No. 1,235,838; Aug. 7; v. 241; p. 101.
- Olesen, Frederick N., St. Paul, Minn. Milk receptacle and lock. No. 1,242,718; Oct. 9; v. 243; p. 438.
- Oleson, Carl O. (See Wilson and Oleson.)
- Oleson, Martin A., Geraldine, Mont. Apparatus for use in cutting glass plates. No. 1,242,028; Oct. 2; v. 243; p. 178.
- Oleson, Olaf E., assignor to The Edward Steam Specialty Co., Chicago, Ill. Stop and check valve. No. 1,216,352; Feb. 20; v. 235; p. 747.
- Oleson, Olaf E., assignor to The Edward Steam Specialty Co., Chicago, Ill. Automatic pressure-limiting valve. No. 1,228,593; June 5; v. 239; p. 74.
- Oleson, Olaf E., assignor to The Edward Manufacturing Company, Chicago, Ill. Separator for steam and oil. No. 1,228,237; May 29; v. 238; p. 1562.
- Olin, Franklin W. (See Farnham and Olin.)
- Ollinger, James A., Butler, Pa. Resilient tire. No. 1,242,846; Oct. 9; v. 243; p. 479.
- Oliver, Charles. (See Angold, Duddell, Dykes, Handcock, and Oliver.)
- Oliver, Charles E., et al. (See Nemec, Joseph, assignor.)
- Oliver Chilled Plow Works. (See Altgelt, Rudolph J., assignor.)
- Oliver Chilled Plow Works. (See Heylman, Edward M., assignor.)
- Oliver, Colia V., Danville, Va. Hose-supporter. No. 1,235,367; July 31; v. 240; p. 1375.
- Oliver, Doctor F., Oakland, Cal. Door-buffer. No. 1,221,580; Apr. 3; v. 237; p. 203.
- Oliver, Doctor F., Oakland, Cal. Vehicle-body. No. 1,236,207; Aug. 7; v. 241; p. 219.
- Oliver, Ellis S., Newark, N. J. Stylus-adaptor. No. 1,235,591; Aug. 7; v. 241; p. 21.
- Oliver, Elmer, Daytona, Fla. Demountable rim. No. 1,227,925; May 29; v. 238; p. 1459.
- Oliver, Elmer, Daytona, Fla. Wheel-rim. No. 1,248,386; Nov. 27; v. 244; p. 1048.
- Oliver, Emery, Sacramento, assignor to Natomas Company of California, Natoma, Cal. Method and apparatus for reclaiming dredged land. No. 1,228,959; June 5; v. 239; p. 197.
- Oliver, Everett A., Richland, Mo. Attachment for oil-cans. No. 1,232,378; July 3; v. 240; p. 280.
- Oliver, Frederick R., San Francisco, Cal. Cooling apparatus. No. 1,233,393; July 17; v. 240; p. 680.
- Oliver, John G., assignor to Bardons and Oliver, Cleveland, Ohio. Machine-tool. No. 1,227,822; May 29; v. 238; p. 1424.
- Oliver, John G., and G. C. Bardons, Cleveland, Ohio. Automatic stop mechanism for turret-lathes. No. 1,224,955; May 8; v. 238; p. 347.
- Oliver, Rolliance W., Eldorado, Ohio. Hog-oiler. No. 1,213,682; Jan. 23; v. 234; p. 1243.
- Oliver, Roy J. (See McKean and Oliver.)
- Oliver, Thomas B., Sheldon, Iowa. Detachable harrow-cultivator. No. 1,236,344; Aug. 7; v. 241; p. 259.
- Oliver, Thomas C., Charlotte, N. C. Production of sulfuric acid in lead chambers. No. 1,229,316; June 12; v. 239; p. 367.
- Oliver, Thomas C., Charlotte, N. C. Method and apparatus for concentrating liquids. No. 1,240,591; Sept. 18; v. 242; p. 656.
- Oliver, Thomas L., Cedar Grove, N. C. Soft-drink-vending machine. No. 1,210,520; Jan. 2; v. 234; p. 49.
- Oliver Typewriter Company, The. (See Roderick and Knapp, assignors.)
- Oliver, William B., Collingswood, N. J. Extensible support. No. 1,217,491; Feb. 27; v. 235; p. 1185.
- Oliver, Woodbury T., Newport News, Va. Boat raising and lowering mechanism. No. 1,237,085; Aug. 14; v. 241; p. 534.
- Olivier, Joseph G., et al. (See Thurber, Edward J., assignor.)
- Ollard, James C., Tacoma, Wash., assignor to Ollard Trolley Wheel Company, Dover, Del. Compound trolley-wheel. No. 1,240,558; Sept. 18; v. 242; p. 585.
- Ollard Trolley Wheel Company. (See Ollard, James C., assignor.)
- Ollariu, Anton, Philadelphia, Pa. Protractor. No. 1,228,697; June 5; v. 239; p. 110.
- Olleo, Ralph, Keyport, N. J. Sanitary beating-machine. No. 1,229,778; June 12; v. 239; p. 522.
- Oller, Oscar E., Los Angeles, assignor of one-half to H. F. Schulz, Santa Anita, Cal. Nut-lock. No. 1,240,245; Sept. 18; v. 242; p. 550.
- Olley, Edwin A., assignor to Crouse-Hinds Company, Syracuse, N. Y. Panel-board and lining-strip supporting means. No. 1,225,997; May 15; v. 238; p. 741.
- Olley, Edwin A., assignor to Crouse-Hinds Company, Syracuse, N. Y. Conduit outlet-box. No. 1,228,127; May 29; v. 238; p. 1527.
- Ollivier, Jocelyn E., La Vignette St. Gervais, France. Device for transforming a motor-car into a sled. No. 1,225,998; May 15; v. 238; p. 742.
- Ollivier, Jocelyn E., La Vignette, France. Driving mechanism for autosleds. No. 1,225,999; May 15; v. 238; p. 742.
- Olmedo, Rafael, San Francisco, Cal. Violin-mute operator. No. 1,215,973; Feb. 13; v. 235; p. 561.
- Olmstead, Charles L., Great Falls, Mont. Non-reversing steering-gear. No. 1,232,379; July 3; v. 240; p. 280.
- Olmstead, Charles L., Great Falls, Mont. Tractor attachment for automobiles. No. 1,234,074; July 17; v. 240; p. 900.
- Olmstead, William H., Detroit, Mich. Shade-roller-pin-setting machine. No. 1,236,208; Aug. 7; v. 241; p. 219.
- Olmstead, Williston A. (See Ward, Joseph E., assignor.)
- Olmsted, David R., Council Bluffs, Iowa. Grain-drying apparatus. No. 1,236,473; Aug. 14; v. 241; p. 334.
- Olmsted, Elmer S. (See Cheatham and Olmsted.)
- Olmsted, Louie E., St. Joseph, Mo. Piston-ring clamping-tool. No. 1,242,027; Oct. 2; v. 243; p. 178.
- Olmsted, Osmond W., Hartford, Conn., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,224,314; May 1; v. 238; p. 71.
- Olmsted, Perry. (See Shelby and Olmsted.)
- Olmsted, Perry, Los Angeles, Cal. Protractor. No. 1,247,866; Nov. 27; v. 244; p. 902.
- Olney, Charles J., assignor to Waltham Watch Company, Waltham, Mass. Holder for bracelet-watches. No. 1,215,053; Feb. 6; v. 235; p. 202.

- Olney, Charles J., assignor to Waltham Watch Company, Waltham, Mass. Carrier for bracelet-watches. No. 1,215,054; Feb. 6; v. 235; p. 202.
- Olney, George J., Westerville, N. Y. Measuring and mixing device. No. 1,226,108; May 15; v. 238; p. 780.
- Olney, Peter B., Jr., trustee. (See Blacklock, Thomas G., assignor.)
- Olofson, Carl F. E. (See Lindstrom and Olofson.)
- Olsen, Alfred G., Elkhorn, Wis. Concrete-mixer. No. 1,221,368; Apr. 3; v. 237; p. 129.
- Olsen, Alfred G., Elkhorn, Wis. Tractor. No. 1,249,996; Dec. 11; v. 245; p. 484.
- Olsen, Alfred N., assignor to Acme Screen Door Manufacturing Company, Rock Rapids, Iowa. Combined insect-trap and screen-frame. No. 1,248,427; Nov. 27; v. 244; p. 1059.
- Olsen, Alfred N., assignor of sixteen and two-thirds one-hundredths to M. Halloran, sixteen and two-thirds one-hundredths to C. Smock, and sixteen and two-thirds one-hundredths to S. D. Riniker, Rock Rapids, Iowa. Door. No. 1,248,426; Nov. 27; v. 244; p. 1059.
- Olsen, Frederik J., Eskebjerggaard, per Svejölle, Denmark. Multispeed drive with coaster-brake. No. 1,233,600; July 17; v. 240; p. 750.
- Olsen, Frederik J., Eskebjerggaard per Svejölle, Denmark. Free-wheel hub. No. 1,249,657; Dec. 11; v. 245; p. 385.
- Olsen, Frederik J., Eskebjerggaard pr. Svejölle, Denmark. Free-wheel hub with a plurality of gears. No. 1,249,658; Dec. 11; v. 245; p. 385.
- Olsen, Frederik J., Eskebjerggaard pr. Svejölle, Denmark. Bicycle-hub. No. 1,249,659; Dec. 11; v. 245; p. 385.
- Olsen, Fredrik O., Horton, Norway. Safety-pin. No. 1,225,164; May 8; v. 238; p. 417.
- Olsen, George, assignor to Keene Shock Asborber Company, Trenton, N. J. Pneumatic cushion for shoes. No. 1,240,153; Sept. 11; v. 242; p. 481.
- Olsen, Gulbrand, Mittelheim - on - the - Rhine, assignor to Maschinenfabrik Johannisberg G. m. b. H., Geisenheim-on-the-Rhine, Germany. Rotary printing or embossing machine. No. 1,231,932; July 3; v. 240; p. 133.
- Olson, Andrew. (See Olson, Olof and A.)
- Olson, Andrew, Chicago, Ill. Vacuum-trap. No. 1,228,128; May 29; v. 238; p. 1527.
- Olson, Axel V., San Francisco, Cal., assignor to Pass & Seymour, Inc., Solvay, N. Y. Receptacle for electric lamps. No. 1,250,342; Dec. 18; v. 245; p. 626.
- Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Tool holder and driver. No. 1,232,714; July 10; v. 240; p. 423.
- Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Drive for machine-tools. No. 1,232,715; July 10; v. 240; p. 424.
- Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Lathe. No. 1,238,934; Sept. 4; v. 242; p. 68.
- Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Lathe. No. 1,238,935; Sept. 4; v. 242; p. 68.
- Olson, Charles A., Geneva, assignor to Crane Company, Chicago, Ill. Air-removing device for water-pipe lines. No. 1,220,538; Mar. 27; v. 236; p. 1029.
- Olson, Charles A., and C. H. Toombs, Geneva, Ill. Wrench. No. 1,243,860; Oct. 23; v. 243; p. 859.
- Olson, Charles A., and C. H. Toombs, Geneva, Ill. Wrench. No. 1,243,861; Oct. 23; v. 243; p. 859.
- Olson, Charles J. (See Nichols and Olson.)
- Olson, Edgar T., Ann Arbor, assignor to Detroit Organic Chemical Co., Detroit, Mich. Production of lactic acid. No. 1,240,766; Sept. 18; v. 242; p. 711.
- Olson, Edward F., Berlin, N. D. Watch. No. 1,232,962; July 10; v. 240; p. 605.
- Olson, Elias. (See Hoyer, Albert H., assignor.)
- Olson, Emil, Rockford, Ill. Wagon-body. No. 1,237,946; Aug. 21; v. 241; p. 845.
- Olson, Emil L., Kearney, Nebr. Harrow attachment. No. 1,219,992; Mar. 20; v. 236; p. 798.
- Olson, Fletcher, Robbinsdale, Minn. Garden-seeder. No. 1,226,800; May 22; v. 238; p. 1051.
- Olson, Fred L. (See Larson, Anton, assignor.)
- Olson, Frederick B., and H. G. Gosselin, Berlin, N. H. Automatic mixture-regulator for carbureters. No. 1,212,244; Jan. 16; v. 234; p. 706.
- Olson, Gustaf, et al. (See McEwen, Willard M., assignor.)
- Olson, Gustaf, assignor of one-half to W. M. McEwen, Chicago, Ill. Electric fan. No. 1,243,968; Oct. 23; v. 243; p. 892.
- Olson, Gustaf, assignor of one-half to W. M. McEwen, Chicago, Ill. Circuit-maker for oscillating fans. No. 1,245,374; Nov. 6; v. 244; p. 69.
- Olson, Gustaf, assignor of one-half to L. Greenberg and one-sixth to W. M. McEwen, Chicago, Ill. Gear. No. 1,230,209; June 19; v. 239; p. 701.
- Olson, Hans M., Los Angeles, Cal. Waterproofing composition and making the same. No. 1,242,585; Oct. 9; v. 243; p. 397.
- Olson, Hans M., Lompoc, assignor to Celite Products Company, Los Angeles, Cal. Making a plaster composition. No. 1,249,997; Dec. 11; v. 245; p. 485.
- Olson, Jesse, Wild Rose, Wis. Harrow. No. 1,232,380; July 3; v. 240; p. 280.
- Olson, John, assignor to James Manufacturing Company, Fort Atkinson, Wis. Gate-lock. No. 1,226,000; May 15; v. 238; p. 742.
- Olson, John J., Belview, Minn. Combination automobile jack and roller. No. 1,248,896; Dec. 4; v. 245; p. 138.
- Olson, Joseph S., Henriette, Minn. Road-drag. No. 1,226,801; May 22; v. 238; p. 1051.
- Olson, Joseph W., Minnewaukan, N. D. Wire-fence tightener and post-anchor. No. 1,213,125; Jan. 16; v. 234; p. 1016.
- Olson, Knute W., St. Paul, Minn. Safety device for aviators. No. 1,229,503; June 12; v. 239; p. 429.
- Olson, Louis T., Detroit, Mich. Draft apparatus. No. 1,221,086; Apr. 3; v. 237; p. 29.
- Olson, Louie N., Colome, S. D. Fluid-clutch and power-transmission mechanism. No. 1,249,660; Dec. 11; v. 245; p. 386.
- Olson Machine Company, Thomas C., The. (See Olson, Thomas C., assignor.)
- Olson, Nels L., Detroit, Mich. Demountable rim for vehicle-wheels. No. 1,213,241; Jan. 23; v. 234; p. 1089.
- Olson, Nels L., Detroit, Mich. Traction bearing-wheel. No. 1,228,472; June 5; v. 239; p. 33.
- Olson, Nels L., Detroit, Mich. Spring suspension for vehicles. No. 1,233,903; July 17; v. 240; p. 846.
- Olson, Nels L., Detroit, Mich. Adjustable automobile extension. No. 1,243,862; Oct. 23; v. 243; p. 860.
- Olson, Nels L., Detroit, Mich. Vehicle-wheel. No. 1,243,863; Oct. 23; v. 243; p. 860.
- Olson, Nels L., Detroit, Mich. Extension for vehicles. No. 1,243,864; Oct. 23; v. 243; p. 860.
- Olson, Nels L., Detroit, Mich. Extension for vehicles. No. 1,247,993; Nov. 27; v. 244; p. 939.
- Olson, Olof and A., Kingsburg, Cal. Truck. No. 1,244,238; Oct. 23; v. 243; p. 972.
- Olson, Oscar A., Ames, Iowa. Thread cutter and holder. No. 1,229,504; June 12; v. 239; p. 429.
- Olson, Oscar E., Chicago, Ill. Toy spectacles. No. 1,249,810; Dec. 11; v. 245; p. 431.
- Olson, Thomas C., assignor to The Thomas C. Olson Machine Company, Madison, Wis. Cylinder-grinding machine. No. 1,217,339; Feb. 27; v. 235; p. 1131.
- Olson, Victor J., Roosevelt, Minn. Log-trimming machine. No. 1,248,700; Dec. 4; v. 245; p. 80.
- Olson, Walter E., Chicago, Ill. Drying-chamber for rugs. No. 1,222,560; Apr. 10; v. 237; p. 579.
- Olson, Walter E., Chicago, Ill. Dyeing rugs. No. 1,229,779; June 12; v. 239; p. 522.
- Olson, William F., Omaha, Nebr. Necktie former and fastener. No. 1,225,482; May 8; v. 238; p. 526.
- Olson, William O., Chicago, Ill. Spark-plug. No. 1,243,094; Oct. 16; v. 243; p. 593.
- Olsson, Axel H. (See Pleijel and Olsson.)
- Olzman, George E., Shelbyville, Ind. Drafting instrument. No. 1,247,867; Nov. 27; v. 244; p. 903.
- Oman, Charles A., Portland, Oreg. Lawn-mower sharpener. No. 1,211,338; Jan. 2; v. 234; p. 330.
- Oman, John W., Houston, Tex. Airship. No. 1,227,650; May 29; v. 238; p. 1364.
- Oman, Reuben B., Willmar, Minn. Transmission mechanism. No. 1,248,387; Nov. 27; v. 244; p. 1048.
- Omoto, Bunnosuke, Granger, Wyo. Knife-cleaning device. No. 1,219,993; Mar. 20; v. 236; p. 798.
- Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing-machines. No. 1,214,063; Jan. 30; v. 234; p. 1404.
- Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Duplex flat joining and covering seam. No. 1,214,579; Feb. 6; v. 235; p. 33.
- Onderdonk, Lansing, New York, N. Y., assignor to The Union Special Machine Company, Chicago, Ill. Trimming mechanism for sewing-machines. No. 1,225,165; May 8; v. 238; p. 417.
- Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Shaft-driving mechanism. No. 1,227,188; May 22; v. 238; p. 1183.
- Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Thread-controlling mechanism for overseaming-machines. No. 1,232,381; July 3; v. 240; p. 281.
- Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Needle-thread-controlling mechanism for overseaming-machines. No. 1,232,382; July 3; v. 240; p. 281.
- Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Overseaming-machine. No. 1,236,599; Aug. 14; v. 241; p. 375.
- Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Sewing-machine. No. 1,240,085; Sept. 11; v. 242; p. 459.
- Onderdonk, Wesley N., Syracuse, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,216,838; Feb. 20; v. 235; p. 916.
- One Hand Auto Top Co. (See Kunz, Edward L., assignor.)
- Oneida Community. (See Hurlbut, Rollin S., assignor.)
- Oneida Community. (See Newhouse, Milford J., assignor.)
- Oneida Community, Ltd. (See Ellis and Leonard, assignors.)
- Oneida Game Trap Co. (See Kinsley, Albert E., assignor.)
- Onepiece Bifocal Lens Company. (See Pearson, John H., assignor.)
- Onken, Gustav B., Fergus Falls, Minn. Vehicle-brake. No. 1,249,811; Dec. 11; v. 245; p. 431.
- Onken, Oscar F., Cincinnati, Ohio. Display device. No. 1,220,447; Mar. 27; v. 236; p. 997.

- Onlake Company. (See Taylor, Clarence W., assignor.)
 Onofrichuk, John, Atlanta, Ga. Safety device for aviators. No. 1,250,213; Dec. 18; v. 245; p. 587.
 Onsrud, Oscar. (See Ross and Onsrud.)
 Ooley, Andrew J. (See Bishop, Hugh C., assignor.)
 Op ten Noort, Anton H., Utrecht, Netherlands. Rail-joint. No. 1,220,882; Mar. 27; v. 236; p. 1146.
 Opel, Walter, Leipzig, Germany. Sound-box for talking-machines. No. 1,229,780; June 12; v. 239; p. 522.
 Opitz, William H., Bedford, Ind. Tire-armor. No. 1,234,075; July 17; v. 240; p. 900.
 Oppedal, John A., Scarville, Iowa. Holder for silo-filling pipes. No. 1,219,034; Mar. 13; v. 236; p. 437.
 Oppen, William A. (See Kniffier and Oppen.)
 Oppenheim, Benjamin, *et al.* (See Zipperstein and Kaplan, assignors.)
 Oppenheim, Leo, New York, N. Y. Paper-fastener. No. 1,250,343; Dec. 18; v. 245; p. 626.
 Oppenlander, Charles W. (See Tomko and Oppenlander.)
 Opperman, Charles L., Galena, Kans. Tatting implement. No. 1,245,161; Nov. 6; v. 244; p. 6.
 Optenberg Iron Works. (See Kinzig, Louis D., assignor.)
 Optische Anstalt C. P. Goerz Aktiengesellschaft. (See Hofe, Christian von, assignor.)
 Optische Anstalt C. P. Goerz Aktiengesellschaft. (See Lange, Max, assignor.)
 Orbán, Stefan, New York, N. Y. Bearing. (Reissue.) No. 1,431,515; June 12; v. 239; p. 623.
 Orbick, John J., Hurley, Wis. Nut-lock. No. 1,218,454; Mar. 6; v. 236; p. 196.
 Orchard, Alfred S. (See Gagnon and Hawthorne, assignors.)
 Ordway, Arthur D., Newburyport, Mass. Oven. No. 1,212,390; Jan. 16; v. 234; p. 758.
 Ordway, Frank L., assignor to Parker Brothers (Inc.), Salem, Mass. Puzzle. No. 1,236,378; Aug. 7; v. 241; p. 269.
 Ordway, Frank L., assignor to Parker Brothers, Inc., Salem, Mass. Anchoring device for table-tennis nets and the like. No. 1,250,634; Dec. 18; v. 245; p. 713.
 Ordway, Fred L., assignor of one-half to L. Mansey, Old Orchard, Me. Combined antiskidding and spring-guard device for automobiles. No. 1,212,666; Jan. 16; v. 234; p. 858.
 Oregon Brass Works. (See Rahner, Martin L., assignor.)
 Orem, Frederick S., Baltimore, Md. Attachment for internal-combustion engines. No. 1,215,974; Feb. 13; v. 235; p. 561.
 Orewiler, Benjamin F. (See Florsheim and Orewiler.)
 Orewiler, Benjamin F., Chicago, Ill. Adjusting-buckle. No. 1,249,812; Dec. 11; v. 245; p. 431.
 Orgaard, Carl, Wheelock, N. D. Harrow. No. 1,245,261; Nov. 6; v. 244; p. 36.
 Organ Power Company, The. (See Spencer, Ira H., assignor.)
 Organ, Thomas O., Philadelphia, Pa. Axle-lubricator. No. 1,225,483; May 8; v. 238; p. 526.
 Ori, Joseph E., Bloomfield, N. J. Whistle for calliopes. No. 1,213,402; Jan. 23; v. 234; p. 1146.
 Orizaroff, Zvetko. (See Pavloff and Orizaroff.)
 Orkin, Samuel, Chelsea, Mass., assignor to International Battleship Company, Boston, Mass. Gun firing mechanism. No. 1,248,536; Dec. 4; v. 245; p. 31.
 Orkin, Samuel, Chelsea, Mass., assignor to International Battleship Company, Boston, Mass. Gun firing mechanism. No. 1,248,537; Dec. 4; v. 245; p. 31.
 Orlowski, Stanislaw, *et al.* (See Pludowski, Aleksander, assignor.)
 Orme, Gardner P., Washington, D. C. Firearm-magazine. No. 1,245,499; Nov. 6; v. 244; p. 106.
 Orme, Harry A., Washington, D. C. Electric soldering-iron. No. 1,215,693; Feb. 13; v. 235; p. 462.
 Orndoff, Oscar F. (See Rewell, Elbridge G., assignor.)
 Orndol, Edwin J. (See Gilbert and Orndol.)
 OrNSTEIN, Georg, New York, N. Y., assignor to Electro Bleaching Gas Company. Apparatus for treating water. No. 1,233,371; July 17; v. 240; p. 672.
 OrNSTEIN, Georg, New York, N. Y., assignor to Electro Bleaching Gas Company. Flow-controlling apparatus. No. 1,233,394; July 17; v. 240; p. 680.
 OrNSTEIN, Leon, Brooklyn, N. Y. Making a paint or enameling material. No. 1,222,980; Apr. 17; v. 237; p. 764.
 Orpin, James H., Providence, R. I. Cuff-button. No. 1,212,667; Jan. 16; v. 234; p. 859.
 Orr, Arthur, St. Charles, Ill. Means for and method of fastening cable ends. No. 1,214,709; Feb. 6; v. 235; p. 80.
 Orr, Edward E. (See Allen and Orr.)
 Orr, John, Greene, Iowa. Chicken-brooder. No. 1,236,102; Aug. 7; v. 241; p. 184.
 Orr, John E., assignor to The E. T. Burrows Company, Portland, Me. Window-screen. No. 1,226,802; May 22; v. 238; p. 1051.
 Orr, John S., Augusta, Ky. Shoe. No. 1,210,521; Jan. 2; v. 234; p. 49.
 Orr, Joseph L., Lynchburg, Va. Bag-fastener. No. 1,243,865; Oct. 23; v. 243; p. 861.
 Orr, Robert P. and R. A., Albany, N. Y. Footwear-adjuster. No. 1,238,432; Aug. 28; v. 241; p. 1037.
 Orr, Russell A. (See Orr, Robert P. and R. A.)
 Orr, Samuel B., Circleville, Ohio. Weighing-machine for grain. No. 1,217,050; Feb. 20; v. 235; p. 987.
 Orr, William C., East Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Wearing-plate for axle-collars. No. 1,245,960; Nov. 6; v. 244; p. 246.
 Orr, William V., Cleveland, Ohio. Vacuum cleaning device. No. 1,210,522; Jan. 2; v. 234; p. 50.
 Orr, William V., Cleveland, Ohio. Suction cleaning device. No. 1,210,523; Jan. 2; v. 234; p. 50.
 Orr, William V., Cleveland, Ohio. Suction cleaning device. No. 1,210,524; Jan. 2; v. 234; p. 50.
 Orr, William V., Cleveland, Ohio. Suction cleaning device. No. 1,210,525; Jan. 2; v. 234; p. 51.
 Orr, William V., Cleveland, Ohio. Dust-bag connection for suction-cleaners. No. 1,235,920; Aug. 7; v. 241; p. 129.
 Orrall, John A., Winthrop, Mass. Day-by-day box. No. 1,215,572; Feb. 13; v. 235; p. 417.
 Orrick, George W. (See Koester, George H., assignor.)
 Orsborn, Calvin L., Selma, Ala. Seed-cotton-distributing-valve mechanism. No. 1,249,469; Dec. 11; v. 245; p. 331.
 Orser, Samuel D., Russellville, Ala. Vulcanizer. No. 1,249,998; Dec. 11; v. 245; p. 485.
 Orson, Louis H., Willoughby, Ohio. Paper-picker. No. 1,234,794; July 31; v. 240; p. 1200.
 Ort, Dorothea, Bensenville, Ill. Agricultural implement. No. 1,237,947; Aug. 21; v. 241; p. 846.
 Orth, Frank, Indiana Harbor, Ind. Regenerator construction. No. 1,233,114; July 10; v. 240; p. 553.
 Orth, Herbert D. (See Thomas and Orth.)
 Orth, William S., Dunkirk, Ohio. Calendar. No. 1,236,974; Aug. 4; v. 241; p. 499.
 Ortnier, John J. (See Hancock and Ortnier.)
 Orun, Carl, Wolverton, Minn. Draft appliance. No. 1,237,546; Aug. 21; v. 241; p. 719.
 Orvig, Gustave W., *et al.* (See Daniel, Jasper N., assignor.)
 Orvis, Annie D. (See Orvis, Orland D., assignor.)
 Orvis, Frank A., Milford, Mich. Motor-vehicle. No. 1,217,813; Feb. 27; v. 235; p. 1298.
 Orvis, Orland D., assignor to A. D. Orvis, New York, N. Y. Steam-boiler furnace. No. 1,217,492; Feb. 27; v. 235; p. 1186.
 Osaki, Takazo, Osaka, Japan. Fly-wheel. No. 1,235,153; July 31; v. 240; p. 1310.
 Osaki, Takazo, Itachibori, Osaka, Japan. Driving-belt. No. 1,249,661; Dec. 11; v. 245; p. 886.
 Osberg, Gustaf, and W. Johanson, Boston, Mass. Truing-up gage. No. 1,236,748; Aug. 14; v. 241; p. 427.
 Osborn, Alden E., New York, N. Y. Internal-combustion engine. No. 1,212,391; Jan. 16; v. 234; p. 758.
 Osborn, Alden E., New York, N. Y. Transmission-gearing. No. 1,213,531; Jan. 23; v. 234; p. 1191.
 Osborn, Alden E., New York, N. Y. Internal-combustion engine. No. 1,216,721; Feb. 20; v. 235; p. 876.
 Osborn, Alden E., New York, N. Y. Internal-combustion engine. No. 1,250,214; Dec. 18; v. 245; p. 587.
 Osborn, Alden E., New York, N. Y. Internal-combustion engine. No. 1,251,272; Dec. 25; v. 245; p. 951.
 Osborn, Carl B., San Marcos, Tex. Toy repeating gun. No. 1,213,683; Jan. 23; v. 234; p. 1243.
 Osborn, Charles, Everett, Wash. Toy flier. No. 1,215,842; Feb. 13; v. 235; p. 514.
 Osborn, Clarence P., assignor to The Dayton Malleable Iron Company, Dayton, Ohio. Insert. No. 1,219,762; Mar. 20; v. 236; p. 718.
 Osborn, Claud A., Fort Worth, Tex. Flushing device. No. 1,231,288; June 26; v. 239; p. 1100.
 Osborn-Crew Manufacturing Company. (See Brisben, Ernest J., assignor.)
 Osborn, Ernest O., and W. J. Tucker, Knoxville, Iowa. Humidifier. No. 1,238,322; Aug. 28; v. 241; p. 1002.
 Osborn, Francis C., Detroit, Mich. Soap-powder dispenser. No. 1,226,803; May 22; v. 238; p. 1052.
 Osborn, George T., Atlanta, Ga. Collar. No. 1,250,635; Dec. 18; v. 245; p. 713.
 Osborn Manufacturing Company, The. (See Carman, Edwin S., assignor.)
 Osborn, Samuel C., Chicago, Ill. Zither-action. No. 1,235,368; July 31; v. 240; p. 1376.
 Osborn, Samuel C., Chicago, Ill. Zither. No. 1,239,811; Sept. 11; v. 242; p. 377.
 Osborn, William H., Louisville, Ky. Copy-holder. No. 1,221,369; Apr. 3; v. 237; p. 129.
 Osborne, David H., assignor to The Locke Insulator Mfg. Co., Victor, N. Y. Strain-insulator. No. 1,234,205; July 24; v. 240; p. 978.
 Osborne, Edith A., *et al.*, executors. (See Drew, Arthur.)
 Osborne, Francis M. (See Lee and Osborne.)
 Osborne, Francis M., Washington, Pa. Pit-car axle. No. 1,225,166; May 8; v. 238; p. 417.
 Osborne, Harry E. (See Cox, Lloyd, and Osborne.)
 Osborne, Henry G., Brooklyn, N. Y. Electric bell and buzzer. No. 1,235,234; July 31; v. 240; p. 1335.
 Osborne, James M., Fort Worth, Tex. Picture-display machine. No. 1,215,694; Feb. 13; v. 235; p. 462.
 Osborne, Marshall L., Waukomis, Okla. Street-cleaning machine. No. 1,229,127; June 5; v. 239; p. 253.
 Osborne, Robert E., and M. T. Horton, Hamburg, N. Y. Display-rack. No. 1,213,127; Jan. 16; v. 234; p. 1016.
 Osborne, Samuel. (See Seaman, Osborne, Cox, and Gattie.)

- Osborne, Thomas J., assignor of one-half to L. D. Riffe, Premier, W. Va. Automatic mine-gate. No. 1,224,010; Apr. 24; v. 237; p. 1154.
- Osborne, William H. (See Drew, Arthur, assignor.)
- Osborne, William R., Electra, Tex. Pipe-pulling device. No. 1,241,430; Sept. 25; v. 242; p. 951.
- Osborne, William S., assignor of one-half to C. N. Mack, Canton, Ohio. Centrifugal conveyer-fan. No. 1,233,115; July 10; v. 240; p. 553.
- Osbron, William D., Blytheville, Ark. Auxiliary car-step. No. 1,246,780; Nov. 13; v. 244; p. 520.
- Oscar Barnett Foundry Company. (See Batteer, Joshua, assignor.)
- Oscar Heyman & Company. (See Lück, Jacob W., assignor.)
- Oscar Schmidt, Inc. (See Habermann, Charles, assignor.)
- Oscar Schmidt, Inc. (See Jost, Lawrence, assignor.)
- Osgood Bradley Car Company. (See Turner, Charles H., assignor.)
- Osgood Company, The. (See Barnhart, Harry J., assignor.)
- Osgood, John L., Buffalo, N. Y. Hose-coupling. No. 1,241,654; Oct. 2; v. 243; p. 60.
- Osgood, Samuel W., Chicago, Ill. Means for effecting magnetic or inductive separation of substances. No. 1,214,817; Feb. 6; v. 235; p. 115.
- Oshkosh Manufacturing Company. (See Bush, Charles A., assignor.)
- Oshkosh Trunk Company, The. (See Bartlett, John H., assignor.)
- Osius, Frederick J., Racine, Wis. Cutting-mill. No. 1,215,055; Feb. 6; v. 235; p. 202.
- Osius, Frederick J., Racine, Wis. Driving mechanism for treadle-operated machines. No. 1,226,804; May 22; v. 238; p. 1052.
- Osius, Frederick J., Racine, Wis. Electric motor. No. 1,240,802; Sept. 18; v. 242; p. 722.
- Osley, Willard A., Springfield, Mass. Device for supporting pails or the like. No. 1,228,813; June 5; v. 239; p. 150.
- Osley, Willard A., assignor to Vacuum Hose Protector Company, Springfield, Mass. Antifriction device for vacuum-hose. No. 1,218,578; Mar. 6; v. 236; p. 238.
- Oslund, Charles H. (See Johnson and Oslund.)
- Osmer, John E., Owosso, Mich. Flushing apparatus. No. 1,229,505; June 12; v. 239; p. 430.
- Osmondson, Osmond A., Salina, Kans. Combination post-drill and portable hand-drill. No. 1,242,029; Oct. 2; v. 243; p. 178.
- Osmun, Charles E., San Francisco, Cal. Vending-machine. No. 1,217,103; Feb. 20; v. 235; p. 1005.
- Osnos, Mendel, Berlin, Germany, assignor to General Electric Company. Means for controlling alternating currents. No. 1,227,302; May 22; v. 238; p. 1221.
- Osol, Fritz E. (See Barron and Osol.)
- Ossenbeck, Anton. (See Heymann, Kothe, Dressel, and Ossenbeck.)
- Osser, Percy S., Detroit, Mich., assignor of part interest to C. W. Coppock, E. H. Pointer, J. W. Heffernan, R. McDermott, Edmonton, and H. M. Clark, Horse Hills, Alberta, Canada. Transmission-gearing. No. 1,236,749; Aug. 14; v. 241; p. 427.
- Ossman, Michael J., Leadville, Colo. Degree-bevel-scale rule. No. 1,248,897; Dec. 4; v. 245; p. 138.
- Osteman, Carl G. (See Dodge and Osteman.)
- Osteman, Carl G., South Boston, Mass., assignor to S. A. Woods Machine Company. Planing-machine. No. 1,240,769; Sept. 18; v. 242; p. 712.
- Ostenberg, Nero and P., San Jose, Cal. Intensifier for magnetos. No. 1,246,312; Nov. 13; v. 244; p. 379.
- Ostenberg, Pontus. (See Ostenberg, Nero and P.)
- Ostenberg, Pontus, Los Gatos, Cal. Internal-combustion method of forcing or compressing fluids. No. 1,210,679; Jan. 2; v. 234; p. 105.
- Ostenberg, Pontus, Los Gatos, Cal. Explosive method of generating power. No. 1,237,688; Aug. 21; v. 241; p. 765.
- Ostenberg, Zeno, San Francisco, Cal., assignor to International Cellulose Company, Reno, Nev. Dissolving cellulose. No. 1,218,954; Mar. 13; v. 236; p. 410.
- Ostenberg, Zeno, San Francisco, Cal., assignor to International Cellulose Company, Reno, Nev. Chemical apparatus. No. 1,220,778; Mar. 27; v. 236; p. 1109.
- Ostenberg, Zeno, San Francisco, Cal., assignor to International Cellulose Company, Reno, Nev. Preparing solutions of cellulose. No. 1,242,030; Oct. 2; v. 243; p. 179.
- Ostergren, Oscar P., Brooklyn, assignor of one-half to E. Lundgren, New York, N. Y. Compound fuel-oil engine. No. 1,233,498; July 17; v. 240; p. 715.
- Ostergren, Oscar P., and E. Lundgren, Brooklyn, N. Y., assignors to The Westinghouse Machine Company. Furnace. No. 1,220,161; Mar. 20; v. 236; p. 863.
- Osterholm, William C., Chicago, Ill., assignor to International Harvester Company of New Jersey. Metal bushing and forming same. No. 1,213,684; Jan. 23; v. 234; p. 1243.
- Osterholm, William C., Chicago, Ill., assignor to International Harvester Company of New Jersey. Grinding-machine. No. 1,230,595; June 19; v. 239; p. 830.
- Osterhout, Albert W., Bethany, Nebr. Temporary-leaf holder for books. No. 1,217,625; Feb. 27; v. 235; p. 1235.
- Osterhout, Garret B., Providence, R. I., assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y. Take-up. No. 1,242,031; Oct. 2; v. 243; p. 179.
- Osterlein Machine Company, The. (See Osterlein, William, assignor.)
- Osterlein, William, assignor to The Osterlein Machine Company, Cincinnati, Ohio. Belt-shifter mechanism. No. 1,210,830; Jan. 2; v. 234; p. 155.
- Ostermann, Edwin C., assignor to Fried. Ostermann, Meyer Co., Milwaukee, Wis. Glove. No. 1,238,804; Sept. 4; v. 242; p. 27.
- Ostermann, Rudolf M., assignor to Locomotive Superheater Company, New York, N. Y. Combined superheater and economizer. No. 1,225,846; May 15; v. 238; p. 690.
- Ostertag, Melville M. (See Langos, Otto A., assignor.)
- Ostheimer, Adam, Cleveland, Ohio. Thermometer. No. 1,213,939; Jan. 30; v. 234; p. 1359.
- Ostlin, Eldor C., New York, N. Y. Rowing-machine. No. 1,247,869; Nov. 27; v. 244; p. 903.
- Ostlin, Olaf. (See Rudolph and Ostlin.)
- Ostman, John A., Techny, Ill. Folding chair. No. 1,241,544; Oct. 2; v. 243; p. 23.
- Ostman, John A., and B. A. Anderson, Chicago, Ill. Towel, napkin, and drapery hanger. No. 1,221,582; Apr. 3; v. 237; p. 204.
- Ostmann, Louis, St. Charles, Mo. Shoe-buckle. No. 1,226,582; May 15; v. 238; p. 937.
- Ostrander, Allen E., Ridgewood, N. J. Railway-truck. No. 1,244,767; Oct. 30; v. 243; p. 1171.
- Ostrander, Allen E., Ridgewood, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Tank-carrying box-car with trussed underframe. No. 1,224,776; May 1; v. 238; p. 234.
- Ostrander, Allen E., Ridgewood, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Corrugated-sheet-metal car. No. 1,224,777; May 1; v. 238; p. 235.
- Ostrander, Allen E., Ridgewood, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Car-underframe. No. 1,244,769; Oct. 30; v. 243; p. 1172.
- Ostrander, Allen E., Ridgewood, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Car-door-operating device. No. 1,244,770; Oct. 30; v. 243; p. 1172.
- Ostrander, Allen E., Ridgewood, and E. R. Schroeder, Paterson, N. J., assignors to American Car and Foundry Company, St. Louis, Mo. Car-door-operating mechanism. No. 1,244,768; Oct. 30; v. 243; p. 1171.
- Ostrander, George N., Highland Springs, Va. Gun. No. 1,242,719; Oct. 9; v. 243; p. 438.
- Ostrander, Lewis F. (See Engelhart, John G., assignor.)
- Ostrander, Lewis F., St. Louis, Mo., assignor of one-half to J. F. Esperon, Indianapolis, Ind. Gas-burner. No. 1,227,189; May 22; v. 238; p. 1183.
- Ostromlensky, Iwan, Petrograd, Russia, assignor, by mesne assignments, to New York Belting and Packing Company. Vulcanizing rubber and product obtained thereby. No. 1,242,586; Oct. 9; v. 243; p. 397.
- Ostromlensky, Iwan, Petrograd, Russia, assignor, by mesne assignments, to New York Belting and Packing Company. Vulcanizing rubber and products obtained thereby. No. 1,249,180; Dec. 4; v. 245; p. 217.
- Ostromlensky, Iwan, Petrograd, Russia, assignor, by mesne assignments, to New York Belting and Packing Company. Vulcanizing rubber and products obtained thereby. No. 1,249,181; Dec. 4; v. 245; p. 217.
- Ostrovsky, Harry, Bayswater, London, England. Apparatus for use by musicians for promoting the flexibility of the joints and stretching the muscles and ligaments of the hands. No. 1,250,636; Dec. 18; v. 245; p. 713.
- Ostrowiecki, Marcin, Chicago, Ill. Vehicle-fender. No. 1,232,835; July 10; v. 240; p. 463.
- Oswald, Adolph W. (See Green and Oswald.)
- Oswald, Charles E., assignor of one-half to D. E. Keppelmann, San Francisco, Cal. Gate-valve. No. 1,245,961; Nov. 6; v. 244; p. 246.
- Oswald, Herman H., Pembroke, Bermuda. Combined brush and shaving-stick. No. 1,244,771; Oct. 30; v. 243; p. 1172.
- Oswald, Kolmen, New York, N. Y., assignor to C. M. Peabody, South Orange, N. J. Watchman's clock. No. 1,239,812; Sept. 11; v. 242; p. 377.
- Oswald, Paul E., assignor to J. M. Carson, Los Angeles, Cal. Signal mechanism. No. 1,238,323; Aug. 28; v. 241; p. 1002.
- Oswald, Walter L., New York, N. Y., assignor to Crane Company, Chicago, Ill. Boiler-fed apparatus. No. 1,251,092; Dec. 25; v. 245; p. 898.
- Oswald, Walter W., Syracuse, N. Y. Artificial tooth. No. 1,211,749; Jan. 9; v. 234; p. 502.
- Otani, Nihei, et al. (See Sugimoto, Kyota, assignor.)
- Otani, Shozaburo, San Francisco, Cal. Combination sweeper and vacuum-cleaner. No. 1,226,363; May 15; v. 238; p. 869.
- Otis, Arthur H., Cleveland, Ohio. Elevator-door-operating apparatus. No. 1,210,680; Jan. 2; v. 234; p. 105.
- Otis, Arthur H., Cleveland, Ohio. Door-operating device. No. 1,215,573; Feb. 13; v. 235; p. 418.
- Otis Elevator Company. (See Baldwin, William D., assignor.)
- Otis Elevator Company. (See Biggerstaff, James, assignor.)

Alphabetical list of patentees—Continued.

- Otis Elevator Company. (See Crabbe, George N., assignor.)
 Otis Elevator Company. (See Furlow, Floyd C., assignor.)
 Otis Elevator Company. (See Handy, Arthur E., assignor.)
 Otis Elevator Company. (See Hymans, Frederick, assignor.)
 Otis Elevator Company. (See John, Griffith, assignor.)
 Otis Elevator Company. (See Larson, David, assignor.)
 Otis Elevator Company. (See Lindquist and Larson, assignors.)
 Otis Elevator Company. (See Lutz, William D., assignor.)
 Otis Elevator Company. (See Piper, John S., assignor.)
 Otis Elevator Company. (See Schuller, Alfred L., assignor.)
 Otis Elevator Company. (See Sundh, August, assignor.)
 Otis Elevator Company. (See Venn, Isaac H., assignor.)
 Otis Elevator Company. (See Williams and Libbey, assignors.)
 Otis, Irving J., assignor of one-half to H. W. Wood, Petaluma, Cal. Assembler-box elevator for type-line-casting machines. No. 1,247,568; Nov. 20; v. 244; p. 781.
 Otis & Moe Manufacturing Company. (See Moe, Aaron B., assignor.)
 Ott, Carrol H., Johnstown, Pa. Nursing-bottle holder. No. 1,220,266; Mar. 27; v. 236; p. 932.
 Ott, Harvey N., assignor to Spencer Lens Company, Buffalo, N. Y. Microscope. No. 1,223,197; Apr. 17; v. 237; p. 839.
 Ott, Harvey N., assignor to Spencer Lens Company, Buffalo, N. Y. Adjustment mechanism for microscopes. No. 1,223,198; Apr. 17; v. 237; p. 840.
 Ott, Harvey N., assignor to Spencer Lens Co., Buffalo, N. Y. Substage for microscopes. No. 1,234,795; July 31; v. 240; p. 1200.
 Ott, Henry, Lancaster, N. Y. Cement-divider. No. 1,242,032; Oct. 2; v. 243; p. 179.
 Ott, Mathilda W., Coeur d'Alene, Idaho. Temporary hat-lining. No. 1,247,319; Nov. 20; v. 244; p. 711.
 Ott, Willibald. (See Murrie and Ott.)
 Otte, George T., Greenwich, Conn. Automobile steering-wheel. No. 1,239,948; Sept. 11; v. 242; p. 421.
 Otte, Otto M., Jamestown, N. Y. Resilient holding-clip. No. 1,222,453; Apr. 10; v. 237; p. 540.
 Otte, Otto M., Jamestown, N. Y. Wire-conduit metal base. No. 1,223,288; Apr. 17; v. 237; p. 867.
 Otte, Otto M., Jamestown, N. Y. Resilient holding-clip. No. 1,223,289; Apr. 17; v. 237; p. 867.
 Otte, Otto M., Jamestown, N. Y. Wire-trench and picture-molding. No. 1,224,315; May 1; v. 238; p. 72.
 Otte, Otto M., Jamestown, N. Y. Sheet-metal door. No. 1,227,066; May 22; v. 238; p. 1141.
 Otte, Otto M., Jamestown, N. Y. Knockdown sheet-metal partition. No. 1,231,289; June 26; v. 239; p. 1100.
 Otte, Otto M., Jamestown, N. Y. Attaching coated metal sheets. No. 1,231,290; June 26; v. 239; p. 1100.
 Otte, Otto M., Jamestown, N. Y. Flour-bin for kitchen-cabinets. No. 1,231,291; June 26; v. 239; p. 1100.
 Otte, Otto M., Jamestown, N. Y. Flour-bin for kitchen-cabinets. No. 1,234,206; July 24; v. 240; p. 979.
 Otte, Otto M., Jamestown, N. Y. Flour-bin for kitchen-cabinets. No. 1,235,236; July 31; v. 240; p. 1336.
 Otte, Otto M., Jamestown, N. Y. Sheet-metal frame. No. 1,241,243; Sept. 25; v. 242; p. 893.
 Otte, Otto M., Jamestown, N. Y. Concealed hinge. No. 1,245,376; Nov. 6; v. 244; p. 69.
 Otte, Otto M., Jamestown, N. Y. Sheet-metal kitchen-cabinet. No. 1,246,313; Nov. 13; v. 244; p. 380.
 Otte, Otto M., Jamestown, N. Y. Sheet-metal construction. No. 1,249,813; Dec. 11; v. 245; p. 432.
 Otte, Otto M., Jamestown, N. Y. Sheet-metal door. No. 1,249,814; Dec. 11; v. 245; p. 432.
 Otte, Otto M., Jamestown, N. Y. Concealed spring-hinge. No. 1,249,815; Dec. 11; v. 245; p. 432.
 Ottinger, Nathan, New York, N. Y. Measuring device. No. 1,237,808; Aug. 21; v. 241; p. 802.
 Ottinger, Nathan, New York, N. Y. Correspondence device. No. 1,242,968; Oct. 16; v. 243; p. 552.
 Otto, Elmer E. (See Newcomb and Otto.)
 Otto, Ernest C. (See Beam and Otto.)
 Otto, Franklin J. (See Fischer, George M., assignor.)
 Otto, Fred C., Worcester, Mass. Pneumatic tire. No. 1,223,724; Apr. 24; v. 237; p. 1055.
 Otto Heineman Phonograph Supply Co. (See Catucci, Pluv, assignor.)
 Otto Heineman Phonograph Supply Co. (See Vasselli, Anthony, assignor.)
 Otto Higel Co. (See Brand, George P., assignor.)
 Otto Higel Co., The. (See Lundberg, Endfred, assignor.)
 Otto, Wolfgang, assignor to Anschütz & Co., Neumühlen, near Kiel, Germany. Compass for ships or the like. No. 1,231,933; July 3; v. 240; p. 133.
 Ouellet, Amos J. (See Ouellet, Charles J. and A. J.)
 Ouellet, Charles J. and A. J., Cambridge, Mass. Locking device for motor-vehicles. No. 1,211,217; Jan. 2; v. 234; p. 288.
 Ouellet, Timothée, Lyster, Quebec, assignor to R. G. Granville, Quebec, Canada. Valve for internal-combustion engines. No. 1,236,345; Aug. 7; v. 241; p. 260.
 Oulmet, Séraphin, Montreal, Quebec, Canada. Ship. No. 1,236,750; Aug. 14; v. 241; p. 428.
 Oulman, Orin M. (See Altman, Elmer F., assignor.)
 Outerbridge, Cyril N., Charlottesville, Va. Internal-combustion engine. No. 1,211,339; Jan. 2; v. 234; p. 330.
 Outerbridge, Cyril N., Charlottesville, Va. Demountable rim. No. 1,243,624; Oct. 16; v. 243; p. 750.
 Outing Kumfy-Kab Company. (See Brown, Reinhardt H., assignor.)
 Ovaatt, Nelson C., Detroit, Mich. Paying-machine. No. 1,231,781; July 3; v. 240; p. 82.
 Ovaatt, Nelson C., and F. N. Rosenstengel, assignors to Payograph Company, Detroit, Mich. Paying-machine. No. 1,213,532; Jan. 23; v. 234; p. 1191.
 Owens, Florence J., York Beach, Me. Clam-fork. No. 1,230,766; June 19; v. 239; p. 885.
 Over All Roller Bearings Company. (See Harris, Charles R., assignor.)
 Over All Roller Bearings Company. (See Harris and Lyons, assignors.)
 Overbey, Drewry P. (See Parker, William A., assignor.)
 Overbury, Frederick C., Hillsdale, N. J., assignor, by mesne assignments, to The Flintkote Company, Boston, Mass. Mineral-surfaced roofing material. No. 1,238,805; Sept. 4; v. 242; p. 27.
 Overbury, Frederick C., New York, N. Y., and H. C. Platts, assignors to Flintkote Manufacturing Company, Rutherford, N. J. Tile roofing. No. 1,221,370; Apr. 3; v. 237; p. 130.
 Overend Aluminium Soldering Processes. (See Overend, Walter, assignor.)
 Overend, Walter, Finsbury Park, England, assignor to Overend Aluminium Soldering Processes, Limited, Auckland, New Zealand. Soldering of aluminium or aluminium alloys. No. 1,233,803; July 17; v. 240; p. 818.
 Overholt, Edwin E., Washington, D. C., assignor to Modern Compressed Air Cleaning Company. Pneumatic carpet-cleaner. No. 1,222,454; Apr. 10; v. 237; p. 540.
 Overholt, Frank M., and A. G. Granbois, assignors of one-half to American Linen Company, Minneapolis, Minn. Laundry-mangle feed-hopper. No. 1,226,246; May 15; v. 238; p. 828.
 Overlin, Pleasant R., Evansville, Ind. Torpedo-guard. No. 1,249,470; Dec. 11; v. 245; p. 331.
 Overlin, William S., Portland, Oreg., assignor, by mesne assignments, to International Money Machine Company, Terre Haute, Ind. Mechanical cashier. No. 1,218,455; Mar. 6; v. 236; p. 196.
 Overly, Charles H., and O. A. Thompson, Independence, Kans. Portable pulling-machine. No. 1,213,242; Jan. 23; v. 234; p. 1090.
 Overman, Max C., New York, N. Y. Tire. No. 1,211,958; Jan. 9; v. 234; p. 581.
 Overman, Max C., New York, N. Y. Vehicle-wheel. No. 1,223,725; Apr. 24; v. 237; p. 1055.
 Overman, Max C., New York, N. Y. Mold for tires. No. 1,223,726; Apr. 24; v. 237; p. 1056.
 Overman, Max C., New York, N. Y. Tire. No. 1,223,727; Apr. 24; v. 237; p. 1056.
 Overman, Philip, Santa Barbara, Cal. Flexible closure for tire-casings. No. 1,239,813; Sept. 11; v. 242; p. 378.
 Overman, Roscoe E., Los Angeles, Cal. Drill. No. 1,218,579; Mar. 6; v. 236; p. 238.
 Overstreet, George W. (See Lowe, William A. J., assignor.)
 Overton, Samuel E., South Haven, Mich. Corner-post for cabinets and other furniture and manufacturing same. No. 1,211,620; Jan. 9; v. 234; p. 459.
 Overturf, Lewis. (See Traut, Ezra H., assignor.)
 Ovington, Edward J., Newton Center, assignor to Simplex Electric Heating Company, Cambridge, Mass. Electrical plug-switch. No. 1,220,779; Mar. 27; v. 236; p. 1110.
 Ovington, Edward J., Newton Center, assignor to Simplex Electric Heating Company, Cambridge, Mass. Electrical connector. No. 1,220,780; Mar. 27; v. 236; p. 1110.
 Ovitz, Frank K. (See Katz and Ovitz.)
 Owen, Arthur, Pendleton, England. Vehicle-wheel. No. 1,222,981; Apr. 17; v. 237; p. 764.
 Owen Bucket Company, The. (See Botten, William H., assignor.)
 Owen, Henry A., assignor to The Whitin Machine Works, Whitinsville, Mass. Thread-parting mechanism for looms. No. 1,228,814; June 5; v. 239; p. 150.
 Owen, Henry A., assignor to Whitin Machine Works, Whitinsville, Mass. Deferred-action indicating device for looms. No. 1,240,592; Sept. 18; v. 242; p. 656.
 Owen, Henry I. (See Eversole, Cawthon, and Owen.)
 Owen, Herbert W., Lewiston, Me., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Apparatus for unwrapping yarn-chains. No. 1,212,668; Jan. 16; v. 234; p. 859.
 Owen, Jackson J., et al. (See Daven, Michael P., assignor.)
 Owen, James W., Lansdowne, Pa., and A. Hewitt, Camden, N. J., assignors to Victor Talking Machine Company. Stylus. No. 1,235,154; July 31; v. 240; p. 1311.
 Owen, Raymond H., Chicago, Ill., assignor to U Auto Corporation, New York, N. Y. Wind-shield cleaner. No. 1,248,701; Dec. 4; v. 245; p. 80.
 Owen, Richard H., Lexington, N. C. Subsoil and grubbing plow. No. 1,243,758; Oct. 23; v. 243; p. 827.
 Owen, Thomas W., Pittsburgh, Pa. Roller-bearing. No. 1,225,266; May 8; v. 238; p. 450.

- Owen, William G., Louisville, Ky. Rail-splitting machine. No. 1,248,388; Nov. 27; v. 244; p. 1049.
- Owens, Charles, assignor to Montague Mailing Machinery Co., Chattanooga, Tenn. Apparatus for printing from individual record-plates. No. 1,246,147; Nov. 13; v. 244; p. 330.
- Owens, George L., Sioux City, Iowa. Block for live stock. No. 1,229,817; June 12; v. 239; p. 367.
- Owens, Harvey M., Leominster, Mass., assignor to Viscoid Company. Card for mounting hair-pins and the like. No. 1,215,402; Feb. 13; v. 235; p. 354.
- Owens, John, Kingston, Iowa. Gasolene-lamp. No. 1,234,796; July 31; v. 240; p. 1200.
- Owens, John, Kingston, Iowa. Gasolene-lamp. No. 1,238,562; Aug. 28; v. 241; p. 1080.
- Owens, John A., assignor to C. L. Dean, Moultrie, Ga. Roach hive or trap. No. 1,243,625; Oct. 16; v. 243; p. 751.
- Owens, John B., Metuchen, N. J. Tunnel-kiln. No. 1,246,148; Nov. 13; v. 244; p. 330.
- Owens, John B., Metuchen, N. J. Tunnel-kiln. No. 1,251,273; Dec. 25; v. 245; p. 951.
- Owens, Macy A., Walnut Hill, Ill. Tumbler-support. No. 1,213,685; Jan. 23; v. 234; p. 1244.
- Owens, Michael J., assignor to The Toledo Glass Company, Toledo, Ohio. Glass-shaping machine. No. 1,245,262; Nov. 6; v. 244; p. 36.
- Owens-Stark Manufacturing Company, The. (See Stark, John R., assignor.)
- Owens, Walter J. (See Vose and Owens.)
- Owens, William A., assignor of one-half to Lungstras Dyeing & Cleaning Company, St. Louis, Mo. Repairing turn-shoes. No. 1,244,772; Oct. 30; v. 243; p. 1173.
- Owens, William D., New York, N. Y. Means for preventing fires in tanks, &c. No. 1,213,686; Jan. 23; v. 234; p. 1244.
- Owsiak, Paulida, Fall River, Mass. Washboiler. No. 1,234,076; July 17; v. 240; p. 900.
- Owsley, Frank T., Spavinaw, Okla. Automobile-puller. No. 1,250,344; Dec. 18; v. 245; p. 627.
- Øye, Thomas, Christiania, Norway. Treatment of vulcanized fibers. No. 1,234,377; July 24; v. 240; p. 1036.
- Öyen, Frederick. (See Barth and Öyen.)
- Oyston, Edward J., Chicago, Ill. Loose-leaf-binder post. No. 1,241,008; Sept. 25; v. 242; p. 820.
- Ozborn, John B. (See Thrasher and Ozborn.)
- Ozerowicz, Alexander, Hamtramck, Mich. Lock for motor-vehicles. No. 1,249,471; Dec. 11; v. 245; p. 331.
- Ozman, A. B. (See Chalberg, Edward E., assignor.)
- Ozouf, Arthur E. (See Watson and Ozouf.)
- P. Goldsmith's Sons Company, The. (See Miller, William, assignor.)
- P. Lorillard Company. (See Harriss, James B., assignor.)
- P. Lorillard Company. (See Maloney, Thomas J., assignor.)
- P. Lorillard Company. (See Norquest, John E., assignor.)
- P. Lorillard Company. (See Williams, George M., assignor.)
- P. Wall Manufacturing Supply Company. (See Flitcroft, James E., assignor.)
- P. B. Yates Machine Company. (See Lane, Franklin L., assignor.)
- P. B. Yates Machine Company. (See Mitchell, Harrison J., assignor.)
- P. B. Yates Machine Company. (See Thurlow, Ira M., assignor.)
- P. C. Murphy Trunk Company. (See Juergens, Gustav H., assignor.)
- P. H. Murphy Company. (See Canfield, Lewis T., assignor.)
- P. H. Murphy Company. (See Cralley, John T., assignor.)
- P. H. Murphy Company. (See Murphy, Clinton C., assignor.)
- P. H. Murphy Company. (See Murphy, Walter P., assignor.)
- P. H. Murphy Company. (See Tatum, John J., assignor.)
- P. H. Murphy Company. (See Wolf, Frank W., assignor.)
- P. H. & F. M. Roots Company, The. (See Enyart, Ralph C., assignor.)
- P. & M. Co., The. (See Moore, Philip W., assignor.)
- P. & M. Co., The. (See Preston, Frederick A., assignor.)
- P. & M. Company, The. (See Alfreds, Torris H., assignor.)
- P. & M. Company, The. (See Warr, Harold G., assignor.)
- P. R. Glass Company. (See Glass, Perley R., assignor.)
- Paal, Carl, Leipzig, Germany. Hydrogenizing olefinic terpene derivatives. No. 1,210,681; Jan. 2; v. 234; p. 106.
- Paal, Carl, Erlangen, Germany, assignor, by mesne assignments, to The Hydrogenation Company, Cincinnati, Ohio. Making a catalyzing agent for the reduction of fats and unsaturated fatty acids. No. 1,222,660; Apr. 17; v. 237; p. 655.
- Pabst, Charles A., Philadelphia, Pa. Locking device for automobiles and other vehicles. No. 1,223,825; Apr. 24; v. 237; p. 1092.
- Pacaud, Lucien T., et al. (See Gingras, Joseph N., assignor.)
- Pacchetti, Carlo, Milan, Italy. Non-skid composition of caoutchouc or rubber and the like. No. 1,230,597; June 19; v. 239; p. 830.
- Pace, Edgar J., Los Angeles, Cal. Rectifier. No. 1,217,877; Feb. 27; v. 235; p. 1318.
- Pace, George M. (See Canfield, Albert E., assignor.)
- Pace, James H., Mansfield, Ga. Controlling apparatus for automobiles. No. 1,239,949; Sept. 11; v. 242; p. 422.
- Pace, Lafayette, Lafollette, Tenn. Safety appliance for aeroplanes. No. 1,229,649; June 12; v. 239; p. 480.
- Pacetti, George M. (See Goyné and Pacetti.)
- Pacetty, Thomas A., Columbus, Ga. Drainage-platform for bottling-machines. No. 1,247,141; Nov. 20; v. 244; p. 660.
- Pache, Auguste, New York, N. Y. Combined spark-plug and priming device. No. 1,242,367; Oct. 9; v. 243; p. 325.
- Pachynski, Joseph. (See Schoening and Pachynski.)
- Pacific Burt Co. (See Brown, Horace P., assignor.)
- Pacific Canning Machinery Company. (See Privett, Henry C., assignor.)
- Pacific Creosoting Company. (See Bartells, Edwin J., assignor.)
- Pacific Folding Box Factory. (See Raynaud, Charles F., assignor.)
- Pacific Gas and Electric Company. (See Kinz and Westcott, assignors.)
- Pacific Novelty Company. (See Kahn, Julius, assignor.)
- Pacific Products Company. (See Stillson, George H., assignor.)
- Pacific Spring Bed Company. (See Stockhouse, George, assignor.)
- Pack, Arthur, et al. (See Trosien, Charles G., assignor.)
- Pack, Robert E., Sioux City, Iowa. Chicken-renovator. No. 1,213,129; Jan. 16; v. 234; p. 1017.
- Pack, Samuel B. (See Moore and Pack.)
- Package Machinery Company. (See Armstrong, Harry Y., assignor.)
- Package Machinery Company. (See Kempf, Henry J., assignor.)
- Packard, Horace N., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electrical resistance unit. No. 1,218,205; Mar. 6; v. 236; p. 110.
- Packard, Horace N., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Thermometer unit. No. 1,230,598; June 19; v. 239; p. 831.
- Packard Motor Car Company. (See Broad, Charles E., assignor.)
- Packard Motor Car Company. (See Church, Harold D., assignor.)
- Packard Motor Car Company. (See Cooper, Erwin C., assignor.) (Reissue.)
- Packard Motor Car Company. (See Garvey, Henry A., assignor.)
- Packard Motor Car Company. (See Huff, Russell, assignor.)
- Packard Motor Car Company. (See Hunt, John H., assignor.)
- Packard Motor Car Company. (See Hunt, Ormund E., assignor.)
- Packard Motor Car Company. (See Loomis, Allen, assignor.)
- Packard Motor Car Company. (See McCain, George L., assignor.)
- Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
- Packard Motor Car Company. (See Vincent, Jesse G., assignor.)
- Packard Motor Car Company. (See Waldon, Sidney D., assignor.)
- Packard, Raymond P., Tacoma, Wash. Controlling mechanism. No. 1,231,055; June 26; v. 239; p. 1022.
- Packard, Raymond P., Tacoma, Wash. Gum-box. No. 1,244,363; Oct. 23; v. 243; p. 1009.
- Packer, Eben R., Chicago, Ill., assignor, by mesne assignments, to The Q & C Company. Fixture for car-vestibule curtains. No. 1,217,210; Feb. 27; v. 235; p. 1088.
- Packer, Eben R., Wilmette, Ill., assignor to Q & C Company, New York, N. Y. Adjustable derailing device. No. 1,242,847; Oct. 9; v. 243; p. 479.
- Packers Machinery & Equipment Co., The. (See Jordan, Robert E., assignor.)
- Packet, Henry, Passaic, N. J. Calipers or measuring instrument. No. 1,231,934; July 3; v. 240; p. 133.
- Packman, Percival J., Highbury, London, England, assignor, by mesne assignments, to The Aeolian Company, Meriden, Conn. Sound-reproducing machine. No. 1,250,637; Dec. 18; v. 245; p. 714.
- Packmore Manufacturing Company. (See Moore and Pack, assignors.)
- Packwood, George H., Sr., Tampa, Fla. Table. No. 1,222,455; Apr. 10; v. 237; p. 541.
- Pacziga, Frank, New York, N. Y. Steam-separator. No. 1,223,101; Apr. 17; v. 237; p. 806.
- Paddeck, Edward G., Kansas City, Mo. Automatic wire-tie for baling-presses. No. 1,236,751; Aug. 14; v. 241; p. 428.
- Paddeck, Edward G., Kansas City, Mo. Automatic wire-tie for baling-presses. No. 1,236,752; Aug. 14; v. 241; p. 428.
- Paddock, Albert R., Farmdale, Ohio. Concrete pavement. No. 1,231,419; June 26; v. 239; p. 1144.
- Padgett, Enoch E. and W. O. Clark, Seale, Ala. Cultivator. No. 1,245,613; Nov. 6; v. 244; p. 143.
- Padgett, Fred W. (See Brooks and Padgett.)
- Paff, Frederik J., Utrecht, Netherlands. Flushing apparatus with air-chamber. No. 1,215,695; Feb. 13; v. 235; p. 402.

Alphabetical list of patentees—Continued.

- Pagander, Otto A., Superior, Wis. Cow-tail holder. No. 1,247,870; Nov. 27; v. 244; p. 904.
- Page, Albert A., East Haven, assignor to Sargent & Company, New Haven, Conn. Night-latch. No. 1,223,898; Apr. 24; v. 237; p. 1117.
- Page, Albert A., East Haven, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,229,319; June 12; v. 239; p. 368.
- Page, Albert A., East Haven, assignor to Sargent & Company, New Haven, Conn. Casket-handle. No. 1,229,650; June 12; v. 239; p. 480.
- Page, Albert A., East Haven, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,237,948; Aug. 21; v. 241; p. 846.
- Page, Albert A., East Haven, and H. G. Collins, assignors to Sargent & Company, New Haven, Conn. Lock. No. 1,229,318; June 12; v. 239; p. 367.
- Page, Alfred C. (See Booth and Page.)
- Page, Alwin, Jr., Bellevue borough, Pa. Side bearing. No. 1,214,580; Feb. 6; v. 235; p. 34.
- Page, Charles W., Richmond, Va. Display-stand. No. 1,247,871; Nov. 27; v. 244; p. 904.
- Page, Dora H., Parowan, Utah. Hose and garment supporter. No. 1,214,359; Jan. 30; v. 234; p. 1506.
- Page, Emily V., Brooklyn, N. Y. Clothes-line. No. 1,226,583; May 15; v. 238; p. 937.
- Page, Ervin L., Georgetown, assignor to Page Machine Company, Inc., Haverhill, Mass. Heel-lift-assembling machine. No. 1,223,728; Apr. 24; v. 237; p. 1056.
- Page, Frank H., *et al.* (See Goss, Samuel F., assignor.)
- Page, Frank H., Waverly, Iowa. Stock-waterer. No. 1,249,999; Dec. 11; v. 245; p. 485.
- Page, Frank L. G., assignor to Power Specialty Company, New York, N. Y. Superheater. No. 1,245,263; Nov. 6; v. 244; p. 36.
- Page, Harry E. (See Ferrell, Charles A., assignor.)
- Page, Hattie J., Grand Rapids, Mich. Infant's vest. No. 1,218,307; Mar. 6; v. 236; p. 148.
- Page, Lillian, Packwaukee, Wis. Sewing-machine foot. No. 1,211,340; Jan. 2; v. 234; p. 330.
- Page, Logan E., assignor to The Hart & Hutchinson Company, New Britain, Conn. Folding hook. No. 1,213,808; Jan. 23; v. 234; p. 1285.
- Page Machine Company. (See Page, Ervin L., assignor.)
- Page, Marshall H., San Francisco, Cal. Tobacco-receptacle. No. 1,221,896; Apr. 10; v. 237; p. 345.
- Page, Richard M., assignor of seven-tenths to C. I. Hays, Denver, Colo. Poison-bottle indicator. No. 1,213,130; Jan. 16; v. 234; p. 1017.
- Page, Stanley H., San Francisco, assignor to Union Gas Engine Company, Oakland, Cal. Rocker-arm. No. 1,225,267; May 8; v. 238; p. 450.
- Page, Stanley H., San Francisco, assignor to Union Gas Engine Company, Oakland, Cal. Engine crank-case. No. 1,226,109; May 15; v. 238; p. 781.
- Page, Stanley H., San Francisco, assignor to Union Gas Engine Company, Oakland, Cal. Engine cylinder and jacket. No. 1,228,815; June 5; v. 239; p. 150.
- Page, Victor W. (See Rockwell and Page.)
- Page, Victor W., Bristol, assignor to The New Departure Manufacturing Company, Hartford, Conn. Coaster-brake. No. 1,212,669; Jan. 16; v. 234; p. 859.
- Page, Victor W., assignor to The New Departure Manufacturing Company, Bristol, Conn. Driving mechanism. No. 1,213,243; Jan. 23; v. 234; p. 1090.
- Page, Victor W., assignor to The New Departure Manufacturing Company, Bristol, Conn. Variable-speed mechanism. No. 1,223,514; Apr. 24; v. 237; p. 981.
- Page, William F., Youngstown, Ohio. Drier. No. 1,217,051; Feb. 20; v. 235; p. 988.
- Pagel, Gustav. (See Kieser and Pagel.)
- Pagel, Gustav, Charlottenburg, Germany, assignor to General Electric Company. Centrifugal pumping apparatus. No. 1,246,149; Nov. 13; v. 244; p. 331.
- Pageler, William, Gladbrook, Iowa. Lifting-jack. No. 1,245,962; Nov. 6; v. 244; p. 247.
- Paget, George T. C., *et al.* (See Gunter and Eakin, assignors.)
- Pagliarul, Joseph, assignor to J. E. Smyth, Chicago, Ill. Stapling-machine. No. 1,212,546; Jan. 16; v. 234; p. 813.
- Pagliarul, Joseph, assignor to J. E. Smyth, Chicago, Ill. Wire-stitching machine. No. 1,215,312; Feb. 6; v. 235; p. 289.
- Pagliarul, Joseph, Elgin, assignor to J. E. Smyth, Chicago, Ill. Wire straightening and tensioning device. No. 1,237,547; Aug. 21; v. 241; p. 719.
- Pahlow, Frank C., Ashtabula, Ohio. Hose-coupling. No. 1,245,614; Nov. 6; v. 244; p. 143.
- Paige, Arthur J., Indianapolis, Ind. Internal-combustion engine. No. 1,216,160; Feb. 13; v. 235; p. 629.
- Paige, Arthur J., Detroit, Mich. Internal-combustion engine. (Reissue.) No. 14,347; Aug. 28; v. 241; p. 1130.
- Pail, Joseph, Jr., Prague, Alberta, Canada. Shell. No. 1,229,506; June 12; v. 239; p. 430.
- Paine, H. A. (See Whitney, George E., assignor.)
- Paine, Richard O., Ansley, Nebr. Oil-cup. No. 1,232,383; July 3; v. 240; p. 282.
- Painter, Albert E. and W., Reno, Nev. Rotary internal-combustion engine. No. 1,238,806; Sept. 4; v. 242; p. 27.
- Painter, Albert E. and W., Reno, Nev. Fluid-pressure transmission. No. 1,242,033; Oct. 2; v. 243; p. 179.
- Painter, Charles A., Jr., and J. P. McKinney, Jr., Pittsburgh, Pa. Door-lock. No. 1,215,843; Feb. 13; v. 235; p. 515.
- Painter, Charles A., Jr., and J. P. McKinney, Jr., Pittsburgh, Pa. Automobile-door latch. No. 1,249,472; Dec. 11; v. 245; p. 332.
- Painter, James L. (See Constable and Painter.)
- Painter, Waterfield. (See Painter, Albert E. and W.)
- Painter, William A., and J. S. Halfaker, Columbus, Ohio. Window-box. No. 1,210,682; Jan. 2; v. 234; p. 106.
- Painting Machine Company. (See Leatherbee, Clifton F., assignor.)
- Paiste, Henry T., assignor to H. T. Paiste Company, Philadelphia, Pa. Cut-out. No. 1,226,584; May 15; v. 238; p. 938.
- Pajeau, Charles H., Evanston, Ill. Balanced toy. No. 1,235,050; July 31; v. 240; p. 1281.
- Pajeau, Charles H., Evanston, Ill. Alphabetical construction toy. No. 1,241,009; Sept. 25; v. 242; p. 820.
- Pakeman, Harry, Columbus, Ohio. Fly-catcher. No. 1,233,696; July 17; v. 240; p. 779.
- Paladini, Abraham, San Francisco, Cal. Antitorpedo-protector. No. 1,247,994; Nov. 27; v. 244; p. 939.
- Palé, Paul, Los Angeles, Cal. Permutation-lock. No. 1,242,848; Oct. 9; v. 243; p. 480.
- Palen, William D., assignor to The Philadelphia Textile Machinery Company, Philadelphia, Pa. Drier. No. 1,248,389; Nov. 27; v. 244; p. 1049.
- Palen, William D., and H. Coulston, assignors to The Philadelphia Textile Machinery Company, Philadelphia, Pa. Spiked feed-apron. No. 1,215,183; Feb. 6; v. 235; p. 244.
- Pall, James C., Bridgeport, Conn. Device for holding, centering, and steadying taps. No. 1,221,897; Apr. 10; v. 237; p. 345.
- Palladini, Ernest, Albuquerque, N. Mex. Lock. No. 1,238,048; Aug. 21; v. 241; p. 878.
- Palm, Oliver, Moran, Tex. Container. No. 1,224,778; May 1; v. 238; p. 235.
- Palm, Otto, Jr., New York, N. Y. Decalcomania window-sign. No. 1,212,392; Jan. 16; v. 234; p. 759.
- Palm, Per W., Baudette, Minn. Sled. No. 1,221,898; Apr. 10; v. 237; p. 345.
- Palm, William J., Minneapolis, Minn. Waste-paper press. No. 1,242,232; Oct. 9; v. 243; p. 283.
- Palmer, Adolph P., Oakland, Cal. Separator and amalgamator. No. 1,231,420; June 26; v. 239; p. 1145.
- Palmer, Alphonso T., Cicero, Ill. Rail-joint. No. 1,221,899; Apr. 10; v. 237; p. 346.
- Palmer, Arthur T., Albany, N. Y. Book-clasp. No. 1,226,001; May 15; v. 238; p. 743.
- Palmer, Benjamin L., assignor to The American Well Works, Aurora, Ill. Well-sinking apparatus. No. 1,226,989; May 22; v. 238; p. 1116.
- Palmer, Charles, Buffalo, N. Y. Phonograph-record cleaner and lubricator. No. 1,225,847; May 15; v. 238; p. 691.
- Palmer, Charles E., Castle Cary, England. Oil-lamp. No. 1,218,889; Mar. 13; v. 236; p. 389.
- Palmer, Charles G., Cleveland, Ohio. Hoist. No. 1,214,818; Feb. 6; v. 235; p. 116.
- Palmer, Charles H., Milwaukee, Wis. Spring-seat. No. 1,233,499; July 17; v. 240; p. 715.
- Palmer, Charles R. (See Palmer, Richard P., assignor.)
- Palmer, Charles S., Newtonville, Mass. Secondary storage battery and making the same. No. 1,251,412; Dec. 25; v. 245; p. 992.
- Palmer, Charles S. and D., Saranac Lake, N. Y. Electric iron. No. 1,231,056; June 26; v. 239; p. 1022.
- Palmer, Charles S. and D., Saranac Lake, N. Y. Paper-pencil sharpener. No. 1,234,686; July 24; v. 240; p. 1133.
- Palmer, Deán. (See Palmer, Charles S. and D.)
- Palmer, Edward H., deceased, Reading, and C. T. Berry, Newton, Mass.; said Berry assignor to said Palmer; E. M. and H. V. Palmer, Reading, and W. H. Roberts, Malden, Mass., executors; said executors assignors to E. M. Palmer and H. V. Palmer, individually. Calculating mechanism. No. 1,212,246; Jan. 16; v. 234; p. 707.
- Palmer, Edward H., deceased, and W. S. Kinsley; said Kinsley assignor to said Palmer; E. M. and H. V. Palmer, Reading, and W. H. Roberts, Malden, Mass., executors; said executors assignors to E. M. Palmer and H. V. Palmer, individually. Calculating mechanism. No. 1,212,247; Jan. 16; v. 234; p. 708.
- Palmer, Edward H., deceased, and W. S. Kinsley; said Kinsley assignor to said Palmer; E. M. and H. V. Palmer, Reading, and W. H. Roberts, Malden, Mass., executors; said executors assignors to E. M. Palmer and H. V. Palmer, individually. Calculating-machine. No. 1,212,248; Jan. 16; v. 234; p. 708.
- Palmer, Edward H., deceased, and W. S. Kinsley; said Kinsley assignor to said Palmer; E. M. and H. V. Palmer, Reading, and W. H. Roberts, Malden, Mass., executors; said executors assignors to E. M. Palmer and H. V. Palmer, individually. Calculating mechanism. No. 1,212,249; Jan. 16; v. 234; p. 709.

- Palmer, Edward H., deceased, and W. S. Kinsley; said Kinsley assignor to said Palmer; E. M. and H. V. Palmer, Reading, and W. H. Roberts, Malden, Mass., executors; said executors assignors to E. M. Palmer and H. V. Palmer, individually. Reversing-gear mechanism. No. 1,212,250; Jan. 16; v. 234; p. 709.
- Palmer, Edward H., deceased; E. M. and H. V. Palmer, Reading, and W. H. Roberts, Melrose, executors, and W. S. Kinsley, Reading, Mass.; said Kinsley assignor to said E. M. Palmer, H. V. Palmer, and W. H. Roberts, executors; said executors assignors to E. M. Palmer and H. V. Palmer, individually. Calculating apparatus. No. 1,212,251; Jan. 16; v. 234; p. 709.
- Palmer Electric & Manufacturing Company, The. (See Palmer, Granville E., assignor.)
- Palmer, Emil M., *et al.*, executors. (See Palmer and Berry.)
- Palmer, Emily M., *et al.*, executors. (See Palmer and Kinsley.)
- Palmer, George K., Miami, Fla. Protecting device for toilet-seats. No. 1,237,548; Aug. 21; v. 241; p. 719.
- Palmer, George L. W., Roxbury, Mass. Projecting apparatus. No. 1,215,975; Feb. 13; v. 235; p. 561.
- Palmer, George L. W., Roxbury, Mass. Projecting apparatus. No. 1,240,593; Sept. 18; v. 242; p. 657.
- Palmer, Granville E., Brookline, assignor to The Palmer Electric & Manufacturing Company, Boston, Mass. High-potential switch. No. 1,236,379; Aug. 7; v. 241; p. 270.
- Palmer, Harold V., *et al.*, executors. (See Palmer and Berry.)
- Palmer, Harold V., *et al.*, executors. (See Palmer and Kinsley.)
- Palmer, Harry B., Morristown, N. J. Toy gun. No. 1,232,384; July 3; v. 240; p. 282.
- Palmer, Harry J., Superior, Wis. Kitchen utensil. No. 1,232,385; July 3; v. 240; p. 282.
- Palmer, Harvey D. (See Baird and Palmer.)
- Palmer, Harvey D., Topeka, Kans. Pneumatic motor for fuel-cutters. No. 1,234,560; July 24; v. 240; p. 1095.
- Palmer, Herbert R., Cleveland, Ohio. Dry-cell battery. No. 1,231,057; June 26; v. 239; p. 1023.
- Palmer, Herman H., Charleston, S. C. Automatic switch. No. 1,237,949; Aug. 21; v. 241; p. 846.
- Palmer, Ira A., assignor of one-half to W. W. Hidlebaugh, Bayard, Iowa. Automatic head-lamp control. No. 1,224,779; May 1; v. 238; p. 235.
- Palmer, Irvin G. (See Preston, Palmer, and Winesburg.)
- Palmer, Isaac E., assignor to The I. E. Palmer Co., Middletown, Conn. Fastener for couch-hammocks and other structures. No. 1,234,207; July 24; v. 240; p. 979.
- Palmer, Isaac E., assignor to The I. E. Palmer Company, Middletown, Conn. Couch-hammock. No. 1,238,697; Aug. 28; v. 241; p. 1119.
- Palmer, Jefferson D., Warrenton, N. C. Milk and cream separator. No. 1,240,360; Sept. 18; v. 242; p. 585.
- Palmer, Joel C. R., New Rochelle, and E. J. Holmes, New York, N. Y., assignors, by mesne assignments, to Western Electric Company, Incorporated. Electromagnetic device. No. 1,230,429; June 19; v. 239; p. 772.
- Palmer, Jonathan, Jr. (See Todd, Samuel J., assignor.)
- Palmer, Lyndon C., assignor to F. N. Burt Company, Limited, Buffalo, N. Y. Box. No. 1,221,900; Apr. 10; v. 237; p. 346.
- Palmer, Marion M., *et al.* (See Palmer, Ray M., assignor.)
- Palmer, Marion M., Pasadena, Cal. Imitation grasshopper and making same. No. 1,248,390; Nov. 27; v. 244; p. 1049.
- Palmer, Norman A., Louisville, Ky. Folding-door structure. No. 1,246,314; Nov. 13; v. 244; p. 380.
- Palmer, Otto A., assignor of one-half to P. W. Tibbits, Wayzata, Minn. Electrically-heated water-containing radiator. No. 1,241,244; Sept. 25; v. 242; p. 893.
- Palmer, Ray M., assignor of one-third to L. N. Harvey and one-third to M. M. Palmer, Pasadena, Cal. Bumper for automobiles. No. 1,247,569; Nov. 20; v. 244; p. 782.
- Palmer, Richard P., assignor of one-half to C. R. Palmer, Cincinnati, Ohio. Transmission control for automobiles. No. 1,212,670; Jan. 16; v. 234; p. 860.
- Palmer, Robert, and N. H. Adams, Schenectady, N. Y., assignors to General Electric Company. Method and apparatus for comminuting metal. No. 1,213,896; Jan. 30; v. 234; p. 1346.
- Palmer, Townsend, assignor to The I. E. Palmer Company, Middletown, Conn. Canopy. No. 1,214,480; Jan. 30; v. 234; p. 1544.
- Palmer, Walter G., Wallace, Idaho. Fruit and vegetable grader. No. 1,228,044; May 29; v. 238; p. 1500.
- Palmer, Walter G., Portland, Oreg. Fruit and vegetable grader. No. 1,251,093; Dec. 25; v. 245; p. 898.
- Palmer, William C. (See Hilgendorf and Palmer.)
- Palmer, William M., Madison, Ind. Sharpening-machine. No. 1,223,826; Apr. 24; v. 237; p. 1092.
- Palmgren, Nils G. (See Retulander and Palmgren.)
- Palmquist, Eskil V., Hallandale, and H. G. Lundquist, Seminole county, Fla. Air-brake stop. No. 1,230,767; June 19; v. 239; p. 885.
- Palo Company. (See Waldo, Leonard, assignor.)
- Palplow, Charles H., Jr. (See Hewitt and Palplow.)
- Palter, Elias, Providence, R. I. Lingerie-clasp. No. 1,217,125; Feb. 20; v. 235; p. 1014.
- Pamp, Danne, Chester, Pa. Circuit-closer for fire-alarm systems. No. 1,232,386; July 3; v. 240; p. 282.
- Pampuro, Francesco. (See Duro, Crivelli, and Pampuro.)
- Pan-American Electric Tool Company. (See Kraemer, Frank, assignor.)
- Pan-American Rubber Co. (See Huebner, Josef, assignor.)
- Panagos, Theodore P., San Francisco, Cal. Cravat-supporter. No. 1,247,570; Nov. 20; v. 244; p. 782.
- Panara, Bertrando, Rome, N. Y. Drying apparatus. No. 1,242,368; Oct. 9; v. 243; p. 326.
- Panasci, Angelo, Waterbury, Conn. Dish-lifter. No. 1,242,465; Oct. 9; v. 243; p. 357.
- Panasevitch, John S., Northampton, Mass. Gas heater and cooker. No. 1,218,206; Mar. 6; v. 236; p. 111.
- Panay, Karl, Milwaukee, Wis. Transparent show-jar. No. 1,228,473; June 5; v. 239; p. 34.
- Pancner, John. (See Haus and Pancner.)
- Pancoast, Joseph L., Trenton, N. J. Locking-bolt. No. 1,217,878; Feb. 27; v. 235; p. 1319.
- Pancoast, William G., Chicago, Ill. Vegetable-masher. No. 1,219,580; Mar. 20; v. 236; p. 656.
- Pandolfo, Samuel C., Chicago, Ill. Combination-tank for automobiles. No. 1,250,495; Dec. 18; v. 245; p. 672.
- Panengen, Oskar O., Skreia, Norway. Flat tile. No. 1,249,662; Dec. 11; v. 245; p. 386.
- Pangborn, Frank C. (See Stanfield, Jasper H., assignor.)
- Pangman, Everett A., Gilboa, N. Y. Shock-absorber attachment for bicycles. No. 1,239,035; Sept. 4; v. 242; p. 101.
- Pankratz, William B., New Castle, Pa. Safety match-box holder. No. 1,220,539; Mar. 27; v. 236; p. 1030.
- Pannebaker, John G., Penbrook, Pa. Automobile-indicator. No. 1,217,052; Feb. 20; v. 235; p. 988.
- Panos, Joe P., Verona, Wis. Shooting-gallery. No. 1,250,215; Dec. 18; v. 245; p. 588.
- Papaoullas, Panayiotis. (See White, George, assignor.)
- Pansa, Andrea G. M., Bristol, R. I. Pistol-bayonet. No. 1,231,058; June 26; v. 239; p. 1023.
- Pantasote Leather Company. (See Josephson, Edgar, assignor.)
- Pantaze, Charles D., Birmingham, Ala. Cotton-seed-culling machine. No. 1,223,607; Apr. 24; v. 237; p. 1013.
- Pantazi, Dimitrios, New York, N. Y. Spring-motor. No. 1,223,102; Apr. 17; v. 237; p. 806.
- Pante, John P. (See Dugan and Pante.)
- Pantillon, Georges, La Chaux-de-Fonds, Switzerland. Appliance for teaching music. No. 1,227,489; May 22; v. 238; p. 1280.
- Papa, Nicola, Utica, N. Y. Electric-light apparatus. No. 1,240,770; Sept. 18; v. 242; p. 712.
- Papanastasiou, Athanasios, East Pittsburgh, Pa. Diving apparatus. No. 1,223,515; Apr. 24; v. 237; p. 982.
- Pape, Herman G., New York, N. Y. Phonograph recorder and reproducer. No. 1,218,799; Mar. 13; v. 236; p. 356.
- Pape, Herman G., New York, N. Y. Telephone instrument. No. 1,236,103; Aug. 7; v. 241; p. 185.
- Pape, Herman G., assignor to R. A. Schoenberg, New York, N. Y. Mechanical movement. No. 1,216,483; Feb. 20; v. 235; p. 794.
- Pape, Herman G., assignor to R. A. Schoenberg, New York, N. Y. Holding means for housings. No. 1,216,598; Feb. 20; v. 235; p. 835.
- Pape, Herman G., assignor to R. A. Schoenberg, New York, N. Y. Socket. No. 1,223,417; Apr. 24; v. 237; p. 944.
- Pape, Herman G., assignor to R. A. Schoenberg, New York, N. Y. Mechanical movement. No. 1,246,646; Nov. 13; v. 244; p. 481.
- Papee Machine Company. (See Bullock, Fred J., assignor.)
- Papenbrok, Louis. (See Rosenwinkel and Papenbrok.)
- Paper Service Co. (See Schuchart, Paul A., assignor.)
- Paper Vessels Company, The. (See Wright, Wilbur L., assignor.)
- Paper Working Machines Company, The. (See Huether, Jacob, assignor.)
- Papp, Andy, and J. Christof, Detroit, Mich. Coal-car. No. 1,224,094; Apr. 24; v. 237; p. 1181.
- Papp, Gabriel. (See Somogyi, Joseph, assignor.)
- Pappas, William, Berkeley, Cal. Folding bed. No. 1,246,781; Nov. 13; v. 244; p. 520.
- Paquette, Eugene, Holyoke, Mass. Lock-latch. No. 1,244,364; Oct. 23; v. 243; p. 1010.
- Paquette, Jennie, assignor to L. Carroll, Chicago, Ill. Cooking utensil. No. 1,241,010; Sept. 25; v. 242; p. 820.
- Paquin, Joseph T., Claremont, N. H. Fire-escape. No. 1,243,339; Oct. 16; v. 243; p. 665.
- Paquin, Leontine B. (See Towie, Adelbert M. and G. M., assignors.)
- Paquit, Vital, Stapleton, N. Y. Spark producing and distributing apparatus for explosive-motors. No. 1,244,124; Oct. 23; v. 243; p. 938.
- Para, John, Elizabeth, N. J. Repeater for talking-machines. No. 1,219,144; Mar. 13; v. 236; p. 474.
- Paradise, Louis A., Moline, Ill., assignor to Deere & Company. Whiffletree. No. 1,246,777; Nov. 13; v. 244; p. 518.
- Paragon Metal Cap Co. (See Beyer, Henry A., assignor.)
- Paragon Metal Cap Company. (See Carvalho, Leslie R. N., assignor.)
- Paramount Hosiery Form Drying Co. (See Brine, John H., assignor.)
- Paramount Hosiery Form Drying Co. (See Stack, Clifton D., assignor.)
- Paramount Knitting Company. (See La Montagne, Patrick P., assignor.)

Alphabetical list of patentees—Continued.

- Paramount Knitting Company. (See Pope and Randall, assignors.)
- Paramount Knitting Company. (See Randall, Edison P., assignor.)
- Paramount Rubber Company, The. (See Roberts, Fred T., assignor.)
- Parantau, Richard G., Los Angeles, Cal. Mop. No. 1,237,086; Aug. 14; v. 241; p. 534.
- Parantau, Richard G., Los Angeles, Cal. Mop. No. 1,237,087; Aug. 14; v. 241; p. 535.
- Parce, Donald H., Oakland, Cal. Laundry-distributing system. No. 1,217,986; Mar. 6; v. 236; p. 34.
- Parce, Donald H., Oakland, Cal. Assorting-tag. No. 1,217,987; Mar. 6; v. 236; p. 34.
- Parce, Donald H., Oakland, Cal. Assorting apparatus. No. 1,217,988; Mar. 6; v. 236; p. 34.
- Pardee, Frank, Hazleton, Pa. Coal-breaking method and machine. No. 1,218,693; Mar. 13; v. 236; p. 316.
- Pardee, Frank, Hazleton, Pa. Headlight shield or dimmer. No. 1,249,182; Dec. 4; v. 245; p. 217.
- Pardee, Stephen C. (See Stineman, William H. H., assignor.)
- Parent, Arthur, Farley, Mass. Box-topping machine. No. 1,220,540; Mar. 27; v. 236; p. 1030.
- Parent, Rufus A., South Tacoma, Wash. Automatic insulator. No. 1,212,547; Jan. 16; v. 234; p. 814.
- Parent, Rufus A., South Tacoma, Wash. Chair-brace. No. 1,212,548; Jan. 16; v. 234; p. 814.
- Parent, Rufus A., South Tacoma, Wash. Combination rule, compasses, square, and angle. No. 1,212,549; Jan. 16; v. 234; p. 815.
- Parent, Rufus A., South Tacoma, Wash. Coffee-percolator. No. 1,231,641; July 3; v. 240; p. 34.
- Parent, Rufus A., South Tacoma, Wash. Jar-holder. No. 1,231,642; July 3; v. 240; p. 35.
- Parenteau, Pendleton J. B., et al. (See Medanich, Daniel B., assignor.)
- Parichan, Martin H., Manchester, N. H. Curtain-fixture. No. 1,221,210; Apr. 3; v. 237; p. 75.
- Paridon, Michael, Oswego, N. Y., assignor to The Diamond Match Company, Chicago, Ill. Box-drying apparatus. No. 1,217,990; Mar. 6; v. 236; p. 35.
- Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Machine for assembling match-books, &c. No. 1,217,991; Mar. 6; v. 236; p. 35.
- Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Machine for assembling match-books, &c. No. 1,217,992; Mar. 6; v. 236; p. 36.
- Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Machine for making card-matches. No. 1,217,993; Mar. 6; v. 236; p. 36.
- Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Mechanism for straightening and assembling matches, &c. No. 1,236,753; Aug. 14; v. 241; p. 429.
- Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Means for applying match-ignition material to book-matches, &c. No. 1,247,995; Nov. 27; v. 244; p. 939.
- Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Match-lavering mechanism for box-filling machines. No. 1,248,538; Dec. 4; v. 245; p. 32.
- Paridon, Michael, and C. R. Harris, Oswego, N. Y., assignors to The Diamond Match Company, Chicago, Ill. Means for applying adhesive to wrapping-paper. No. 1,217,989; Mar. 6; v. 236; p. 35.
- Parietti, Giovanni B., Richmond, assignor of one-half to A. Bruna, Westminster, England. Propulsion of boats. No. 1,222,124; Apr. 10; v. 237; p. 422.
- Paris, Louis F., Paris, France. Secreting fur and hair. No. 1,213,403; Jan. 23; v. 234; p. 1147.
- Parish, B. A., et al. (See Unruh, Albert A., assignor.)
- Parish & Bingham Company. (See Gemmill, Worthy D., assignor.)
- Parish, Frank J., assignor to Grinden Art Metal Company, Brooklyn, N. Y. Door-buffer. No. 1,233,116; July 10; v. 240; p. 554.
- Parish, Harold F., assignor to Grinden Art Metal Company, Brooklyn, N. Y. Safety mechanism for power-operated doors. No. 1,217,053; Feb. 20; v. 235; p. 988.
- Parish, Le Grand, Mountainview, N. J. Making bolts. No. 1,244,125; Oct. 23; v. 243; p. 938.
- Parish, Le Grand, Mountainview, N. J., assignor to American Arch Company, New York, N. Y. Protection for arch-tubes. No. 1,229,377; June 12; v. 239; p. 388.
- Parish, Le Grand, Mountainview, N. J., assignor to American Arch Company, New York, N. Y. Locomotive-fire-box arch. No. 1,229,378; June 12; v. 239; p. 389.
- Parish, Le Grand, Mountainview, N. J., assignor to American Arch Company, New York, N. Y. Locomotive-arch. No. 1,229,388; June 12; v. 239; p. 391.
- Parisian Novelty Company. (See Komorous, Joseph, assignor.)
- Park, Allan J., Madison, Wis. Demountable rim. No. 1,220,541; Mar. 27; v. 236; p. 1030.
- Park, Charles S., assignor of one-half to M. W. Dixon, Jr., Savannah, Ga. Closure device for tanks, &c. No. 1,220,267; Mar. 27; v. 236; p. 933.
- Park Drop Forge Company, The. (See Gordon, George C., assignor.)
- Park, George M., Blackburn, England. Apparatus for cooling clinker in the manufacture of cement. No. 1,240,480; Sept. 18; v. 242; p. 623.
- Park, James, Hopkins, Minn. Cutting-machine. No. 1,214,360; Jan. 30; v. 234; p. 1506.
- Park, James, Hopkins, Minn. Cutting-machine. No. 1,243,969; Oct. 23; v. 243; p. 892.
- Park, William, New York, N. Y. Golf-shoe. No. 1,243,209; Oct. 16; v. 243; p. 627.
- Parke, Frederic H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Double-heading device. No. 1,219,581; Mar. 20; v. 236; p. 656.
- Parke, Peter, and C. S. Knapp, assignors to The Pullman Company, Chicago, Ill. Equalizer for six-wheel trucks. No. 1,247,872; Nov. 27; v. 244; p. 904.
- Parke, Roderick J. M., and E. D. Brand, Toronto, Ontario, Canada. Thermostat for electric heating and cooking apparatus. No. 1,217,994; Mar. 6; v. 236; p. 37.
- Parker Brothers. (See Ordway, Frank L., assignor.)
- Parker, Charles, Platteville, Colo. Ladder-bracket. No. 1,228,960; June 5; v. 239; p. 197.
- Parker, Charles C., Baltimore, Md. Jar-closure. No. 1,239,299; Sept. 4; v. 242; p. 186.
- Parker, Charles W. (See Morris, Charles E., assignor.)
- Parker, Clarence L. (See Carbery, James L., assignor.)
- Parker, Clark W., assignor to Cadillac Motor Car Company, Detroit, Mich. Transmission-gearing. No. 1,210,683; Jan. 2; v. 234; p. 106.
- Parker, Clark W., assignor to Cadillac Motor Car Company, Detroit, Mich. Shifting device. No. 1,210,684; Jan. 2; v. 234; p. 107.
- Parker, Clark W., assignor to Parker Rust Proof Company of America, Detroit, Mich. Plating metals. No. 1,211,218; Jan. 2; v. 234; p. 289.
- Parker, Clark W., assignor to Parker Rust-Proof Company of America, Detroit, Mich. Tank. No. 1,246,991; Nov. 20; v. 244; p. 617.
- Parker, Earle D., assignor to Barber-Colman Company, Rockford, Ill. Knotter. No. 1,241,758; Oct. 2; v. 243; p. 92.
- Parker, Edwin D. (See Reed and Parker.)
- Parker, Ernest A. (See Reed and Parker.)
- Parker, Ezra E., Gering, Nebr. Hay-stacker. No. 1,229,507; June 12; v. 239; p. 430.
- Parker, Frederick G., Portland, Me. Spare-tire carrier. No. 1,215,976; Feb. 13; v. 235; p. 562.
- Parker, Frederick R., Chicago, Ill. Electromagnet. No. 1,226,617; May 15; v. 238; p. 948.
- Parker, Frederick R., Chicago, Ill. Combined lightning-arrester and thermal protector. No. 1,238,728; Aug. 28; v. 241; p. 1129.
- Parker, Frederick R., Chicago, Ill. Electrical protective apparatus. No. 1,245,014; Oct. 30; v. 243; p. 1246.
- Parker, George D. (See McIntosh, Charles C., assignor.)
- Parker, George S., Salem, Mass. Game-board. No. 1,242,969; Oct. 16; v. 243; p. 552.
- Parker, George W., Jr. (See Pfeiffer and Parker.)
- Parker, Guy (See Bouchard, Elmer R., assignor.)
- Parker, Harry E., assignor The Stanley Rule & Level Company, New Britain, Conn. Bit-brace extension. No. 1,241,143; Sept. 25; v. 242; p. 861.
- Parker, Harry W., Philadelphia, Pa. Transmission-gearing. No. 1,220,883; Mar. 27; v. 236; p. 1146.
- Parker, Henry M., Toledo, Ohio. Collapsible fabric bucket. No. 1,233,117; July 10; v. 240; p. 554.
- Parker, Hollan N. D., Washington, D. C. Adjuster for pneumatic mechanotherapeutic receivers. No. 1,240,246; Sept. 18; v. 242; p. 550.
- Parker, Howard, Berlin, N. H., assignor to Berlin Mills Company, Portland, Me. Manufacture of tubes, pipes, and the like from pulp. No. 1,234,701; July 24; v. 240; p. 1136.
- Parker, Israel F., St. Tammany, La. Wheelbarrow. No. 1,232,387; July 3; v. 240; p. 283.
- Parker, James H., Reading, and B. H. De Long, Springmont, assignors to Carpenter Steel Company, Reading, Pa. Alloy tool-steel. No. 1,233,118; July 10; v. 240; p. 554.
- Parker, James O., Lakin, Kans. Solder-heating tool. No. 1,224,011; Apr. 24; v. 237; p. 1155.
- Parker, Jim, Tecumseh, Okla. Raising and lowering device for agricultural implements. No. 1,217,995; Mar. 6; v. 236; p. 37.
- Parker, Joel D., Lagrange, Tex. Bedstead attachment. No. 1,215,403; Feb. 13; v. 235; p. 354.
- Parker, John E., assignor to Crouse-Hinds Company, Syracuse, N. Y. Means for attaching electrical appliances to conduit outlet-boxes. No. 1,229,651; June 12; v. 239; p. 481.
- Parker, John E., and D. B. Winter, assignors to Crouse-Hinds Company, Syracuse, N. Y. Means for attaching electrical appliances to conduit outlet-boxes. No. 1,224,316; May 1; v. 238; p. 72.
- Parker, John Q., Sandusky, Ohio. Valve-box. No. 1,217,814; Feb. 27; v. 235; p. 1298.
- Parker, Joseph F., and M. Van Heuvel, Mobile, Ala. Collapsible box or container. No. 1,244,239; Oct. 23; v. 243; p. 973.
- Parker, Joseph N., Bedford, Va. Motor. No. 1,214,361; Jan. 30; v. 234; p. 1506.
- Parker, Joseph T., Washington, D. C. Accelerator-protector for motor-vehicles, &c. No. 1,247,996; Nov. 27; v. 244; p. 940.

- Parker, Julia M. (See Maxwell, Ralph S., assignor.)
- Parker, Lee H., assignor to Spray Engineering Company, Boston, Mass. System and apparatus for spraying in cooling-ponds and the like. No. 1,233,119; July 10; v. 240; p. 554.
- Parker, Lee H., Brookline, and E. K. Standish, Stoughton, assignors, by mesne assignments, to Spray Engineering Company, Boston, Mass. Humidifier. No. 1,213,940; Jan. 30; v. 234; p. 1360.
- Parker, Linus J., assignor to Hunter Fan and Motor Co., Fulton, N. Y. Motor-fan. No. 1,241,245; Sept. 25; v. 242; p. 893.
- Parker, Nelson J., Lincoln, Ill. Multistage compressor. No. 1,224,661; May 1; v. 238; p. 194.
- Parker, Orrel A., Cleveland, Ohio. Vehicle-wheel. No. 1,216,161; Feb. 13; v. 235; p. 630.
- Parker, Orrel A., Cleveland, Ohio. Wheel for vehicles. No. 1,227,651; May 29; v. 238; p. 1365.
- Parker Process Company. (See Parker, William M., assignor.)
- Parker, Ralph D., assignor of one-half to F. R. Drinkhouse, San Francisco, Cal. Lamp-support. No. 1,246,647; Nov. 13; v. 244; p. 481.
- Parker, Robert N., and H. A. Smith; said Smith assignor to C. C. Willis, Odem, Tex. Automatic lock. No. 1,220,448; Mar. 27; v. 236; p. 998.
- Parker, Roy B., and R. C. Spurlock, Mineral Wells, Tex. Oil-well drill. No. 1,238,563; Aug. 28; v. 241; p. 1080.
- Parker, Russell, Brooklyn, N. Y. Trousers. No. 1,247,873; Nov. 27; v. 244; p. 904.
- Parker, Russell, assignor to Parker, Stearns & Company, Brooklyn, N. Y. Hose-supporter. No. 1,235,921; Aug. 7; v. 241; p. 129.
- Parker-Russell Mining & Manufacturing Company. (See Russell, Silas B., assignor.)
- Parker Rust Proof Company of America. (See Allen, William H., assignor.)
- Parker Rust-Proof Company of America. (See Parker, Clark W., assignor.)
- Parker, Stearns & Company. (See Parker, Russell, assignor.)
- Parker, Thomas, Diss, England. Fastening for sliding windows and the like. No. 1,240,086; Sept. 11; v. 242; p. 460.
- Parker, Thomas H., San Francisco, Cal. Filter. No. 1,212,996; Jan. 16; v. 234; p. 972.
- Parker, Thomas H., San Francisco, Cal. Centrifugal separator. (Reissue.) No. 14,331; July 24; v. 240; p. 1140.
- Parker, Thomas H., San Francisco, Cal. Rotary cutter. No. 1,242,369; Oct. 9; v. 243; p. 326.
- Parker, Thomas R. G. (See Pearce and Parker.)
- Parker, Thomas R. G. (See Pearce, Parker, and Bennison.)
- Parker, Thomas R. G. (See Pearce, Parker, and Carverhill.)
- Parker, Thomas R. G., and J. Shuttleworth, Broadheath, Chester, assignors to Linotype and Machinery Limited, London, England. Device for clamping printing-plates to the cylinders of printing-presses. No. 1,240,247; Sept. 18; v. 242; p. 550.
- Parker, Thomas R. G., W. E. Bennison, and W. Lee, Broadheath, assignors to Linotype and Machinery Limited, London, England. Reel-brake for web-printing machines. No. 1,241,759; Oct. 2; v. 243; p. 93.
- Parker, Thomas T., New York, N. Y. Water-tube boiler. No. 1,219,855; Mar. 20; v. 236; p. 751.
- Parker, Thomas T., New York, N. Y. Steam-boiler. No. 1,224,662; May 1; v. 238; p. 195.
- Parker, Thorinda V., Minneapolis, Minn. Crochet-hook. No. 1,210,975; Jan. 2; v. 234; p. 206.
- Parker, Virgil W., Laddonia, Mo. Transmission-gearing-control mechanism. No. 1,216,599; Feb. 20; v. 235; p. 835.
- Parker, William, East Cleveland, Ohio. Holder for threading-tools. No. 1,216,484; Feb. 20; v. 235; p. 795.
- Parker, William A., Penhook, Va. Flavoring tobacco. No. 1,219,856; Mar. 20; v. 236; p. 751.
- Parker, William A., assignor of one-fourth to D. P. Overbey, Lyles, Tenn. Mail-sorting device. No. 1,215,977; Feb. 13; v. 235; p. 563.
- Parker, William E., and W. Burns; said Parker assignor to J. Burns, Ithaca, N. Y. Folding truck. No. 1,226,585; May 15; v. 238; p. 938.
- Parker, William H., Stellacoom, Wash. Book-match machine. No. 1,210,526; Jan. 2; v. 234; p. 51.
- Parker, William H., Houston, Tex. Smoothing-drag. No. 1,227,926; May 29; v. 238; p. 1459.
- Parker, William M., Oklahoma, Okla., assignor, by mesne assignments, to Parker Process Company. Refining oils. No. 1,226,990; May 22; v. 238; p. 1117.
- Parker, William S., assignor to Burson Manufacturing Company, Rockford, Ill. Controlling device for knitting-machines. No. 1,225,848; May 15; v. 238; p. 691.
- Parker, William W., Edgerton, Alberta, Canada. Wagon-seat lock. No. 1,241,431; Sept. 25; v. 242; p. 951.
- Parkes, Samuel R., Willenhall, England. Case for sash pulleys, locks, or the like. No. 1,225,849; May 15; v. 238; p. 692.
- Parkhouse, William P., et al. (See Thurber, Edward J., assignor.)
- Parkhurst, Edward B., Woburn, Mass. Lobster-crusher. No. 1,219,857; Mar. 20; v. 236; p. 751.
- Parkhurst, George A., Minneapolis, Minn. Conductor's-check holder. No. 1,224,317; May 1; v. 238; p. 73.
- Parkhurst, Layton M., Indianapolis, Ind., assignor, by mesne assignments, to G. B. Pitts, trustee, Cleveland, Ohio. Vending-machine. No. 1,241,877; Oct. 2; v. 243; p. 131.
- Parkhurst, Leon F., Pittsfield, Mass., assignor to General Electric Company. Electric heating device. No. 1,220,781; Mar. 27; v. 236; p. 1110.
- Parkhurst, Leon F., Pittsfield, Mass., assignor to General Electric Company. Electric heating device. No. 1,229,128; June 5; v. 239; p. 254.
- Parkhurst, Leon F., Pittsfield, Mass., assignor to General Electric Company. Electric heating unit. No. 1,240,771; Sept. 18; v. 242; p. 712.
- Parkin, Charles H. (See Bagnall and Taylor, assignors.)
- Parkin, Charles H., Cleveland, Ohio. Air-brush. No. 1,234,378; July 24; v. 240; p. 1036.
- Parkin, Joseph W., Philadelphia, Pa. Antitheft device for motor-cars. No. 1,213,244; Jan. 23; v. 234; p. 1091.
- Parkin, William M. (See Hoffman, Addison F., assignor.)
- Parkin, William M. (See Hoffman and Parkin.)
- Parkins, Walter E., Royalton, Minn. Combined stake-pocket and corner-brace. No. 1,232,963; July 10; v. 240; p. 506.
- Parks Bros. & Rogers. (See Skoog, Carl E., assignor.)
- Parks, David C., near Kimmswick, Mo. Cereal-machine. No. 1,213,245; Jan. 23; v. 234; p. 1091.
- Parks, Dennis. (See Mitchell and Parks.)
- Parks, Dennis, St. Louis, Mo. Machine for slicing and gouging heel-blanks. No. 1,212,807; Jan. 16; v. 234; p. 906.
- Parks, Dennis, St. Louis, Mo. Lift-cutting maul. No. 1,228,961; June 5; v. 239; p. 197.
- Parks, Edward F., Providence, R. I., assignor, by mesne assignments, to Universal Winding Company, Boston, Mass. Belt-shifter. No. 1,218,207; Mar. 6; v. 236; p. 111.
- Parks, Edward F., Providence, R. I., assignor, by mesne assignments, to Universal Winding Company, Boston, Mass. Multiple tension device. No. 1,233,697; July 17; v. 240; p. 780.
- Parks, Edward F., Providence, R. I., assignor to Universal Winding Company, Boston, Mass. Winding-machine. No. 1,248,898; Dec. 4; v. 245; p. 138.
- Parks, Forrest C., Pittsburgh, Pa., assignor of one-half to C. C. Graham, Chicago, Ill. Sterilizing apparatus. No. 1,237,375; Aug. 21; v. 241; p. 664.
- Parks, Frederick W., assignor to The G. M. Parks Company, Fitchburg, Mass. Humidifying apparatus. No. 1,227,190; May 22; v. 238; p. 1184.
- Parks, Frederick W., assignor to The G. M. Parks Company, Fitchburg, Mass. Controller for humidifiers. No. 1,234,077; July 17; v. 240; p. 900.
- Parks, George E., Detroit, Mich. Spring suspension for railway-trucks. No. 1,239,211; Sept. 4; v. 242; p. 157.
- Parks, George H., Lomax, Ill. Demountable rim. No. 1,224,012; Apr. 24; v. 237; p. 1155.
- Parks, George M., assignor of one-half to A. Larsen, Kansas City, Mo. High-pressure-gas-tank valve. No. 1,223,899; Apr. 24; v. 237; p. 1117.
- Parks, Grace, Boone, Iowa. Insect-catcher. No. 1,248,899; Dec. 4; v. 245; p. 139.
- Parks, Raymond F. (See Wolf and Parks.)
- Parks, Robert D. (See Worth, James, assignor.)
- Parks, Robert H. (See Thompson and Parks.)
- Parks, Robert L., Washington, D. C. Combination water-bottle and syringe. No. 1,230,318; June 19; v. 239; p. 737.
- Parks, W. H., et al. (See Estes, Henry D., assignor.)
- Parks, William B., Fort Worth, Tex. Air-filtering gas-burner. No. 1,214,819; Feb. 6; v. 235; p. 116.
- Parlin & Orendorff Company. (See Butler, John H., assignor.)
- Parlin & Orendorff Company. (See Graham, William S., assignor.)
- Parmelee, William G., Chetopa, Kans. Milk-pail. No. 1,221,583; Apr. 3; v. 237; p. 204.
- Parmelee, Alfred L., Lambertville, Mich., assignor of one-half to S. B. Goodkind, Toledo, Ohio. Press. No. 1,238,324; Aug. 28; v. 241; p. 1003.
- Parmelee, Alfred L., Lambertville, Mich., assignor of one-half to S. B. Goodkind, Toledo, Ohio. Printing-press. No. 1,238,325; Aug. 28; v. 241; p. 1003.
- Parmelee, Alfred L., Lambertville, Mich., assignor of one-half to S. B. Goodkind, Toledo, Ohio. Offset-printing apparatus. No. 1,238,326; Aug. 28; v. 241; p. 1003.
- Parmenter, Frank R., Lansing, Mich. Automobile-jack. No. 1,241,011; Sept. 25; v. 242; p. 821.
- Parmenter, George A., assignor to Parmenter Manufacturing Company, Boston, Mass. Wrench. No. 1,243,210; Oct. 16; v. 243; p. 627.
- Parmenter Manufacturing Company. (See Parmenter, George A., assignor.)
- Parmenter, Orville L., assignor to Racine Paper Goods Company, Racine, Wis. Packing-strip for cigars and other articles. No. 1,249,183; Dec. 4; v. 245; p. 217.
- Parmenter, Orville L., assignor to Racine Paper Goods Company, Racine, Wis. Packing-strip for cigars and other articles. No. 1,249,184; Dec. 4; v. 245; p. 218.
- Parmenter, William L., Lima, Ohio. Truck or the like. No. 1,234,797; July 31; v. 240; p. 1201.

- Parnall, Archie E., assignor to F. W. Williams, Chicago, Ill. Worm and screw construction. No. 1,231,643; July 3; v. 240; p. 35.
- Parnell, Charles L. (See Parnell, John C. and C. L.)
- Parnell, John C. and C. L., Montpelier, Ohio. Power bond-drilling machine. No. 1,215,978; Feb. 13; v. 235; p. 563.
- Parnham, Charles J. (See Walters, Arthur A., assignor.)
- Paroly, Isidor, New York, assignor to M. Kamenstein, Brooklyn, N. Y. Sheet-metal box. No. 1,238,186; Aug. 28; v. 241; p. 957.
- Parpert, Herman, assignor to American Stove Company, St. Louis, Mo. Method of forming internally-flanged taps for gas-manifolds. No. 1,246,456; Nov. 13; v. 244; p. 424.
- Parr, Daniel R., St. Louis, Mo. Gravity railway system. No. 1,221,371; Apr. 3; v. 237; p. 130.
- Parr, Frank E., Buffalo, N. Y. Faucet. No. 1,210,527; Jan. 2; v. 234; p. 51.
- Parr, George T., St. Paul, Minn. Fish-hook. No. 1,246,150; Nov. 13; v. 244; p. 331.
- Parr, Otto P., Lead, S. D. Gate-fastener. No. 1,231,421; June 26; v. 239; p. 1145.
- Parr, Peter, *et al.* (See Powell, George E., assignor.)
- Parr, Samuel W., Urbana, Ill. Adiabatic calorimeter. No. 1,247,998; Nov. 27; v. 244; p. 940.
- Parra, Henri, Port de Capdenac par Figeac, assignor to Société H. Parr & Cie, Decazeville, Aveyron, France. Device for attaching conductors to insulators. No. 1,235,592; Aug. 7; v. 241; p. 21.
- Parradee, Edward, Chicago, Ill. Automobile bumper. No. 1,245,015; Oct. 30; v. 243; p. 1246.
- Parradee, Edward, Chicago, Ill. Automobile-bumper. No. 1,247,142; Nov. 20; v. 244; p. 661.
- Parrett, Anna D., Denver, Colo. Book. No. 1,220,884; Mar. 27; v. 236; p. 1147.
- Parrett, Dent, Chicago, Ill. Motor-vehicle. No. 1,231,292; June 26; v. 239; p. 1101.
- Parrett, Raymond M., Stephenson, Mich. Clasp for hose-supporters. No. 1,212,671; Jan. 16; v. 234; p. 861.
- Parris, John T., Chicago, Ill. Curtain-support. No. 1,242,849; Oct. 9; v. 243; p. 480.
- Parrish, Alan J., Paris, Ill. Temple. No. 1,230,768; June 19; v. 239; p. 886.
- Parrish, Bert N., Jackson, Mich. Heater for the intake-manifolds of internal-combustion engines. No. 1,241,871; Sept. 25; v. 242; p. 777.
- Parrish, James R. (See McMurray and Parrish.)
- Parrish, William J. (See Reams, Joseph A., assignor.)
- Parrott, John W., Bethayres, Pa. Street-cleaning and disposing machine and cleaning paved streets and disposing of the cleanings. No. 1,243,866; Oct. 23; v. 243; p. 861.
- Parry, Frederick J. (See Heinauer, William J., assignor.)
- Parry, Henry. (See Parry, Robert R. and H.)
- Parry, John M., *et al.* (See Webster, Lewis E., assignor.)
- Parry, Robert R., New York, N. Y., and H. Parry, Fairfield, Liverpool, England. Apparatus for washing dishes and other articles. No. 1,232,964; July 10; v. 240; p. 506.
- Parry, Samuel R., Rochester, N. Y. Lining-machine. No. 1,242,720; Oct. 9; v. 243; p. 439.
- Parry, Samuel R., Rochester, N. Y. Lining-machine. No. 1,242,970; Oct. 16; v. 243; p. 552.
- Parselle, Absalom P. (See Reimann and Parselle.)
- Parson, Cassius M., Kokomo, Ind. Window-screen. No. 1,220,675; Mar. 27; v. 236; p. 1076.
- Parson, Walter M., Antigo, Wis. Latch. No. 1,215,696; Feb. 13; v. 235; p. 463.
- Parsons, Charles A., Newcastle-upon-Tyne, England. Device for purifying steam. No. 1,247,320; Nov. 20; v. 244; p. 711.
- Parsons, Charles A., Newcastle-on-Tyne, and S. S. Cook, Wallsend, England; said Cook assignor to said Parsons. Water-tube boiler. No. 1,210,976; Jan. 2; v. 234; p. 207.
- Parsons, Charles A., Newcastle-upon-Tyne, and S. S. Cook, Wallsend, England; said Cook assignor to said Parsons. Formation of gear-wheel teeth. No. 1,220,542; Mar. 27; v. 236; p. 1031.
- Parsons, Charles A., Newcastle-upon-Tyne, and S. S. Cook, Wallsend, England; said Cook assignor to said Parsons. Formation of gear-wheel teeth. No. 1,220,543; Mar. 27; v. 236; p. 1031.
- Parsons, Charles A., and E. Bennett, Newcastle-upon-Tyne, England; said Bennett assignor to said Parsons. Reflector for search-lights. No. 1,210,977; Jan. 2; v. 234; p. 207.
- Parsons, Charles A., A. Q. Carnegie, Newcastle-upon-Tyne, and S. S. Cook, Wallsend, England; said Carnegie and said Cook assignors to said Parsons. Construction of turbine and like rotors. No. 1,210,978; Jan. 2; v. 234; p. 208.
- Parsons, Charles A., A. Q. Carnegie, Newcastle-upon-Tyne, and S. S. Cook, Wallsend, England; said Carnegie and Cook assignors to said Parsons. Construction of turbine and like rotors. No. 1,221,087; Apr. 3; v. 237; p. 29.
- Parsons, Charles A., A. Q. Carnegie, Newcastle-upon-Tyne, and S. S. Cook, Wallsend, England; said Carnegie and said Cook assignors to said Parsons. Machine-tool. No. 1,234,379; July 24; v. 240; p. 1036.
- Parsons, Charles A., A. Q. Carnegie, and S. S. Cook, Wallsend, England; said Carnegie and said Cook assignors to said Parsons. Power-transmitting mechanism. No. 1,248,154; Nov. 27; v. 244; p. 983.
- Parsons, Charles L., Durham, N. H. Preparing oxids of uranium. No. 1,224,013; Apr. 24; v. 237; p. 1155.
- Parsons, Charles L., Durham, N. H. Purifying of uranium compounds. No. 1,224,014; Apr. 24; v. 237; p. 1155.
- Parsons, Charles L., Washington, D. C. Oxidizing ammonia and catalytic bodies therefor. No. 1,239,125; Sept. 4; v. 242; p. 130.
- Parsons, Clifford A. (See Cram and Parsons.)
- Parsons, Edmund S., Ilion, N. Y. Molding concrete. No. 1,241,144; Sept. 25; v. 242; p. 862.
- Parsons, Fred A., Milwaukee, assignor to The Kemp-smith Manufacturing Co., West Allis, Wis. Transmission-gearing for milling-machines. No. 1,233,500; July 17; v. 240; p. 716.
- Parsons, George C., Cicero, Ill. Document-file. No. 1,214,213; Jan. 30; v. 234; p. 1453.
- Parsons, George H., assignor to Kroeger Piano Company, Stamford, Conn. Accent control for musical instruments. No. 1,219,145; Mar. 13; v. 236; p. 475.
- Parsons, George H., assignor to Kroeger Piano Company, Stamford, Conn. Expression control for musical instruments. No. 1,242,466; Oct. 9; v. 243; p. 357.
- Parsons, Harold K. (See Baker and Parsons.)
- Parsons, Harold K. (See Styll and Parsons.)
- Parsons, Harold K., Southbridge, Mass. Ophthalmic mounting. No. 1,218,112; Mar. 6; v. 236; p. 79.
- Parsons, Harold K., Southbridge, Mass. Drill. No. 1,246,005; Nov. 6; v. 244; p. 257.
- Parsons, Houston H., Sidney, Mont. Time-release for photographic cameras. No. 1,217,493; Feb. 27; v. 235; p. 1187.
- Parsons, Peter E., Salt Lake City, Utah. Miter-box and calculator. No. 1,248,155; Nov. 27; v. 244; p. 983.
- Parsons, Richmond, Philadelphia, Pa. Stapling-machine. No. 1,238,327; Aug. 28; v. 241; p. 1004.
- Parsons, Stuart W., assignor to The Stanley Works, New Britain, Conn. Bolt. No. 1,246,992; Nov. 20; v. 244; p. 618.
- Parsons, William C., assignor, by mesne assignments, to The D. R. C. Water Heater Company, Cleveland, Ohio. Water-heater. No. 1,215,844; Feb. 13; v. 235; p. 515.
- Parsons, William J., Montague, assignor to Millers Falls Company, Millers Falls, Mass. Spring-manipulating tool. No. 1,235,237; July 31; v. 240; p. 1336.
- Parsons, William F., Corning, N. Y. Lathe-chuck jaw. No. 1,224,780; May 1; v. 238; p. 235.
- Partello, Charles, Liverpool, N. Y. Trap. No. 1,246,782; Nov. 13; v. 244; p. 520.
- Partin, William E., Waelder, Tex. Plow-stock. No. 1,248,900; Dec. 4; v. 245; p. 139.
- Partridge, Edward O., Chicago, Ill. Guard for grinding-machines. No. 1,217,996; Mar. 6; v. 236; p. 38.
- Partridge, John H., Likely, Cal. Spring-wheel. No. 1,220,676; Mar. 27; v. 236; p. 1076.
- Pascal, John L., Pocahontas, Iowa. Gearing. No. 1,231,422; June 26; v. 239; p. 1145.
- Pascal, John L., Pocahontas, Iowa. Road-drag. No. 1,247,999; Nov. 27; v. 244; p. 940.
- Pascall, Frank, London, England. Lid or cover for receptacles. No. 1,251,413; Dec. 25; v. 245; p. 992.
- Paschall, Arthur L., San Simon, Ariz. Dental-floss holder. No. 1,214,362; Jan. 30; v. 234; p. 1506.
- Paschall, Benjamin S., Seattle, Wash. Substance for treatment of tuberculosis, leprosy, and other diseases and mixing said substance. No. 1,250,345; Dec. 18; v. 245; p. 627.
- Paschall, James H., assignor of one-half to F. P. Cleary, Long Beach, Cal. Milling attachment for lathes. No. 1,216,600; Feb. 20; v. 235; p. 836.
- Pasco, Martin K., assignor to American Hosiery Company, New Britain, Conn. Undergarment. No. 1,246,151; Nov. 13; v. 244; p. 331.
- Pascucci, Emilio. (See Gage and Pascucci.)
- Pashinsky, Jeff. (See Titus and Pashinsky.)
- Pasinski, Walter J., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,222,661; Apr. 17; v. 237; p. 656.
- Pasinski, Walter J., assignor to Burroughs Adding Machine Company, Detroit, Mich. Full-stroke mechanism and overthrow-preventer for adding-machines. No. 1,229,508; June 12; v. 239; p. 431.
- Paskins, Otto M., Mattoon, Ill. Means for automatically lubricating car journal-boxes. No. 1,247,321; Nov. 20; v. 244; p. 711.
- Pasman, Abram N., East Orange, N. J. Flush-valve apparatus. No. 1,225,352; May 8; v. 238; p. 483.
- Pasquazzo, Alberto, and A. Tisi, Buenos Aires, Argentina. Coupling apparatus for railway-cars and the like. No. 1,235,238; July 31; v. 240; p. 1336.
- Pass & Seymour. (See Morey, Harry J., assignor.)
- Pass & Seymour. (See Olson, Axel V., assignor.)
- Pass, Wendelin, Export, Pa. Shoe-cap. No. 1,245,763; Nov. 6; v. 244; p. 187.
- Passaic Metal Ware Company. (See Karp, Morris, assignor.)
- Passarelli, Dominick A., Danbury, Conn. Chromatic-bass guitar. No. 1,226,991; May 22; v. 238; p. 1117.

- Passburg, Emil, Berlin, Germany. Drying grain and other coarse granular materials. No. 1,250,496; Dec. 18; v. 245; p. 672.
- Passmore, Charles L., Prophetstown, Ill. Shoe-stretching device. No. 1,244,638; Oct. 30; v. 243; p. 1131.
- Passmore, Henry T. (See Summers and Passmore.)
- Passmore, William G., Saratoga, Wyo. Wheel. No. 1,217,997; Mar. 6; v. 236; p. 38.
- Patch, Calvin B., Glenellyn, Ill., assignor to W. H. Miner, Chazy, N. Y. Roller side bearing. No. 1,225,677; May 8; v. 238; p. 591.
- Patch, Calvin B., Glenellyn, Ill., assignor to W. H. Miner, Chazy, N. Y. Spring-controlled roller side bearing. No. 1,225,678; May 8; v. 238; p. 591.
- Patch, Calvin B., Glenellyn, Ill., assignor to W. H. Miner, Chazy, N. Y. Side bearing for railway-cars. No. 1,230,210; June 19; v. 239; p. 701.
- Patch, Calvin B., Glenellyn, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction-gear shell. No. 1,235,369; July 31; v. 240; p. 1376.
- Patch, Calvin B., Glenellyn, Ill., assignor to W. H. Miner, Chazy, N. Y. Yoke. No. 1,242,850; Oct. 9; v. 243; p. 480.
- Patch, Calvin B., Glenellyn, Ill., assignor to W. H. Miner, Chazy, N. Y. Keyless yoke. No. 1,242,851; Oct. 9; v. 243; p. 480.
- Patch, Calvin B., Glenellyn, Ill., assignor to W. H. Miner, Chazy, N. Y. Yoke. No. 1,242,852; Oct. 9; v. 243; p. 481.
- Patch, Calvin B., Glenellyn, Ill., assignor to W. H. Miner, Chazy, N. Y. Railway-car side bearing. No. 1,250,497; Dec. 18; v. 245; p. 672.
- Patch, Calvin B., Glenellyn, Ill., assignor to W. H. Miner, Chazy, N. Y. Rocker side bearing. No. 1,250,638; Dec. 18; v. 245; p. 714.
- Patch, Calvin B., Glenellyn, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction-gear for locomotives. No. 1,251,094; Dec. 25; v. 245; p. 898.
- Patch, Fred R., Rutland, Vt. Grinding and polishing machine. No. 1,233,120; July 10; v. 240; p. 555.
- Patch, Harry M., Seattle, Wash. Differential power-transmission device. No. 1,242,587; Oct. 9; v. 243; p. 397.
- Patchett, William R. F., Bolton, assignor of one-third to J. T. Booth, Leeds, England. Internal-combustion engine. No. 1,250,346; Dec. 18; v. 245; p. 627.
- Pate, William E., Garysburg, assignor of one-half to W. T. Whitehead, Weldon, N. C. Casting device. No. 1,212,997; Jan. 16; v. 234; p. 973.
- Pate, William H., Jefferson, assignor of one-half to A. M. Rhyne, Avinger, Tex. Hay-press. No. 1,234,078; July 17; v. 240; p. 901.
- Patek, Josef, Karlshorst, near Berlin, Germany. Manufacturing hydrogen peroxid. No. 1,234,380; July 24; v. 240; p. 1037.
- Patenau, Amable O., assignor of one-half to J. Berini, Timmins, Ontario, Canada. Stovepipe. No. 1,243,441; Oct. 16; v. 243; p. 695.
- Patent Button Company, The. (See Abel, Walter T., assignor.)
- Patent Button Company, The. (See White, Franklin R., assignor.)
- Patent Devices Limited. (See Smith, Squire J., assignor.)
- Patent Electric Fuse Splitter Co. (See Bernardi, Frank, assignor.)
- Patent Novelty Company. (See Reimer, George H., assignor.)
- Patented Devices Company. (See Hough, William B., assignor.)
- Patents Experiment Corporation. (See Heany, John A., assignor.)
- Patents Process Company. (See Reid, James H., assignor.)
- Paterno, Same, Milford, Mass. Mechanical toy. No. 1,216,353; Feb. 20; v. 235; p. 748.
- Paterson, Alexander P., et al. (See Secord, Frederick A., assignor.)
- Paterson, May H. (See Paterson, William S. and M. H.)
- Paterson, William, Oakland, Cal. Motor-plow tractor. No. 1,225,268; May 8; v. 238; p. 451.
- Paterson, William, London, England. Apparatus for measuring and recording the quantity of flow of liquids. No. 1,239,300; Sept. 4; v. 242; p. 186.
- Paterson, William S. and M. H., Oakland, assignors of one-half to G. R. Andrews, Fresno, Cal. Lawn-mower and lawn-trimmer. No. 1,222,241; Apr. 10; v. 237; p. 466.
- Patery, Le Roy, Portland, Oreg. Automobile-goggles. No. 1,240,594; Sept. 18; v. 242; p. 657.
- Patitz, Johann F. M., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Turbine system. No. 1,231,687; July 24; v. 240; p. 1133.
- Patman, John L. (See Gallanore and Patman.)
- Patnoe, George W., Maple Grove, assignor, by mesne assignments, to The Dolomite Products Company, Cleveland, Ohio. Furnace-lining and making same. No. 1,230,430; June 19; v. 239; p. 773.
- Patrick, Charles E., Springfield, Ohio. Furrow opener for seeding-machines. No. 1,229,194; June 5; v. 239; p. 276.
- Patrick, Charles A., Hazel Dell, Ill. Ventilating device. No. 1,213,941; Jan. 30; v. 234; p. 1360.
- Patrick, George E. (See Nolin and Patrick.)
- Patrick, George M., Auburn, N. Y. Valve. No. 1,250,639; Dec. 18; v. 245; p. 714.
- Patrick, Isaac, assignor to Consolidated Press Company, Hastings, Mich. Clutch. No. 1,227,191; May 22; v. 238; p. 1184.
- Patrick, John. (See Cochrane and Patrick.)
- Patrick, Shelby, Durango, Colo. Article-holding rack. No. 1,221,584; Apr. 3; v. 237; p. 204.
- Patrick, Theodore L., Pawpaw, Ill. Gate adjustment. No. 1,224,015; Apr. 24; v. 237; p. 1156.
- Patridis, William G., Pittsburgh, Pa. Clip for securing sheet-metal plates. No. 1,251,274; Dec. 25; v. 245; p. 951.
- Patten, Charles H., assignor to C. E. Hancock Company, Providence, R. I. Connector for band-bracelets. No. 1,250,498; Dec. 18; v. 245; p. 672.
- Patten, Clarence R., Tacoma, Ohio, assignor to C. R. Patten & Co., Waverly, Va. Baby-jumper. No. 1,230,018; June 12; v. 239; p. 598.
- Patten & Co., C. R. (See Patten, Clarence R., assignor.)
- Patten, Felix A., assignor to The Cleveland Dental Manufacturing Company, Cleveland, Ohio. Belt. No. 1,224,203; May 1; v. 238; p. 31.
- Patten, George H., assignor to Patten Manufacturing Company, Chattanooga, Tenn. Tire-pump. No. 1,244,365; Oct. 23; v. 243; p. 1010.
- Patten, Harrison E., Silver Spring, Md. Apparatus for impregnating liquids with gas. No. 1,216,722; Feb. 20; v. 235; p. 877.
- Patten, James C., assignor to The Globe Stove & Range Company, Kokomo, Ind. Electric hot-plate or heat unit. No. 1,233,395; July 17; v. 240; p. 681.
- Patten, James C., assignor to Globe Stove & Range Company, Kokomo, Ind. Electric hot-plate or heating unit. No. 1,238,807; Sept. 4; v. 242; p. 28.
- Patten, James C., assignor to Globe Stove & Range Co., Kokomo, Ind. Electric hot-plate or heating unit. No. 1,238,808; Sept. 4; v. 242; p. 28.
- Patten, John, assignor to Davison Chemical Company, Baltimore, Md. Atomizer for fluids. No. 1,219,994; Mar. 20; v. 236; p. 799.
- Patten Manufacturing Company. (See Patten, George H., assignor.)
- Patterson, Charles E., Jacksonville, Ill. Rein-support. No. 1,227,823; May 29; v. 238; p. 1424.
- Patterson, Charles R. (See Courtney, Minder A., assignor.)
- Patterson, Chester J., White Rock, Pa. Auto steering device. No. 1,226,586; May 15; v. 238; p. 938.
- Patterson, Edie J., Stockton, Cal. Self-adjusting colter-wheel for plows. No. 1,220,449; Mar. 27; v. 236; p. 998.
- Patterson, George N., Durango, Colo. Harvester. No. 1,243,095; Oct. 16; v. 243; p. 593.
- Patterson, Harry R., assignor of one-half to B. W. Twyman, Columbus, Ohio. Carburetor. No. 1,226,605; May 22; v. 238; p. 1053.
- Patterson, Herbert H., Hudson Falls, N. Y. Tallying device. No. 1,219,858; Mar. 20; v. 236; p. 752.
- Patterson, Horace L., assignor to The Adapto Mfg. Co., Inc., Otisville, N. Y. Motor-hydrocarbon-supply device. No. 1,222,576; Apr. 10; v. 237; p. 585.
- Patterson, James A., San Antonio, Tex. Overall-suspenders. No. 1,249,816; Dec. 11; v. 245; p. 433.
- Patterson, James F. (See Patterson, James L., assignor.)
- Patterson, James L., Freeport, assignor of one-half to J. F. Patterson, Leaf River, Ill. Animal-trap. No. 1,231,782; July 3; v. 240; p. 82.
- Patterson, James W., New York, N. Y. Dispensing-cabinet. No. 1,244,889; Oct. 30; v. 243; p. 1208.
- Patterson, James W., Bronxville, assignor to Autosales Gum and Chocolate Company, New York, N. Y. Coin-controlled vending-machine. No. 1,244,888; Oct. 30; v. 243; p. 1207.
- Patterson, Jasper, Versailles, Ill. Silo-roof. No. 1,232,388; July 3; v. 240; p. 283.
- Patterson, John W., Decatur, Ala. Cotton-picking machine. No. 1,228,238; May 29; v. 238; p. 1562.
- Patterson, Lon H., Portland, Oreg. Airless auto-tire. No. 1,226,110; May 15; v. 238; p. 781.
- Patterson, Thomas A., assignor of one-fortieth to L. S. Carter, Sabinal, Tex. Washing-machine. No. 1,217,626; Feb. 27; v. 235; p. 1235.
- Patterson, Thomas E., Athabasca, Alberta, Canada. Sleigh attachment for motor-vehicles. No. 1,257,571; Nov. 20; v. 244; p. 782.
- Patterson, Thomas W., Kingman, Kans. Machine for handling headed grain. No. 1,250,640; Dec. 18; v. 245; p. 714.
- Patterson, Warren A., assignor of one-half to J. A. Kemp, Wichita Falls, Tex. Cotton-threshing machine. No. 1,227,652; May 29; v. 238; p. 1365.
- Patterson, Warren A., assignor of one-half to J. A. Kemp, Wichita Falls, Tex. Cotton-threshing machine. No. 1,248,000; Nov. 27; v. 244; p. 910.
- Patterson, William H., assignor of one-half to F. T. Ellsworth, Cuyahoga Falls, Ohio. Block-mold. No. 1,219,660; Mar. 20; v. 236; p. 683.
- Patterson, William L., Pittsburgh, Pa. Outlet-box for electric conductors. No. 1,236,754; Aug. 14; v. 241; p. 429.
- Patterson, William L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Projection apparatus. No. 1,218,113; Mar. 6; v. 236; p. 79.

Alphabetical list of patentees—Continued.

- Patterson, William L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Projection apparatus and illumination system therefor. No. 1,224,663; May 1; v. 238; p. 195.
- Patterson, William L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Scene-shifting device for projection apparatus. No. 1,226,806; May 22; v. 238; p. 1053.
- Patterson, William L., and G. A. H. Kellner, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Binocular microscope. No. 1,225,167; May 8; v. 238; p. 418.
- Patterson, William R., Loretto, Ky. Label-holder attachment. No. 1,245,963; Nov. 6; v. 244; p. 247.
- Patterson, William T., Shelbina, Mo. Hog-trough. No. 1,223,199; Apr. 17; v. 237; p. 840.
- Patterson, Wm. E., executor. (See Von Wolfradt, William.)
- Pattimore, Augustus T., Sacramento, Cal. Ticket-delivering machine. No. 1,220,677; Mar. 27; v. 236; p. 1076.
- Pattinson, Benjamin W., Manitou, Colo. Movable headlight. No. 1,250,000; Dec. 11; v. 245; p. 485.
- Pattison, Eugene D., Danville, Ill. Differential driving mechanism. No. 1,224,781; May 1; v. 238; p. 236.
- Pattison, Frederick S., Merritt, Ontario, Canada. Vehicle-wheel pulling-jack. No. 1,243,546; Oct. 16; v. 243; p. 726.
- Patton, Alson C., Senath, Mo. Latch. No. 1,228,129; May 29; v. 238; p. 1527.
- Patton, Floyd E., Bloomington, Ill. Feather-pulling device. No. 1,233,904; July 17; v. 240; p. 846.
- Patton, Frank H., Flagstaff, Ariz. Aerial torpedo. No. 1,241,545; Oct. 2; v. 243; p. 24.
- Patton, George S., assignor of one-third to J. F. Ewing, one-third to H. L. Fleck, and one-sixth to T. P. Moran, Pittsburgh, Pa. Progress switch. No. 1,220,544; Mar. 27; v. 236; p. 1031.
- Patton, Henry M., Atlanta, Ga. Protector for dynamo-belts. No. 1,235,370; July 31; v. 240; p. 1376.
- Patton, John F. (See Goldwire and Patton.)
- Patton, Mathias A., Idaho Falls, Idaho. Fluid-motor. No. 1,251,095; Dec. 25; v. 245; p. 899.
- Patton, Moses F., Tuscaloosa, Ala. Demountable rim. No. 1,231,644; July 3; v. 240; p. 35.
- Patton, Orvie W., Los Angeles, Cal. Hose-band. No. 1,230,019; June 12; v. 239; p. 599.
- Patton, Ralph C. (See Downes and Patton.)
- Patton, Ralph C., assignor to D & W Fuse Company, Providence, R. I. Motor-starting switch. No. 1,232,599; July 10; v. 240; p. 385.
- Patton, Samuel J., Helena, Ala. Boll-weevil destroyer. No. 1,241,012; Sept. 25; v. 242; p. 821.
- Patty, James S., Chicago, Ill., assignor to Chadeloid Chemical Company, New York, N. Y. Paint and varnish solvent. No. 1,235,721; Aug. 7; v. 241; p. 61.
- Patzon, Peter J., et al. (See Fulbright, Thomas M., assignor.)
- Paul, Andrew G., Boston, Mass. Valve for use in heating systems. No. 1,237,252; Aug. 14; v. 241; p. 586.
- Paul, Andrew G., Boston, Mass. Heating system. No. 1,237,253; Aug. 14; v. 241; p. 586.
- Paul, Christian F., Jr., Peekskill, assignor of one-half to C. G. Ballin, New York, N. Y. Connector for electrical terminals. No. 1,222,022; Apr. 10; v. 237; p. 388.
- Paul, James W., and C. Hall, Pittsburgh, Pa.; said Paul assignor to said Hall. Breathing apparatus for use in noxious gases. No. 1,225,269; May 8; v. 238; p. 451.
- Paul, Joseph. (See Stafford, Millard, and Paul.)
- Paul, Joseph, Nashua, N. H. Fruit-gatherer. No. 1,235,371; July 31; v. 240; p. 1376.
- Paul, Lola V., administratrix. (See Paul, Wesley A.)
- Paul, Samuel J., Los Angeles, Cal. Motive-force control for apparatus. No. 1,226,587; May 15; v. 238; p. 938.
- Paul, Wesley A., assignor to Deere & Company, Moline, Ill. Journal-bearing for cultivator-disks. No. 1,236,600; Aug. 14; v. 241; p. 376.
- Paul, Wesley A., assignor to Deere & Company, Moline, Ill. Gang-plow. No. 1,240,087; Sept. 11; v. 242; p. 460.
- Paul, Wesley A., deceased; L. V. Paul, administratrix, assignor to Deere & Company, Moline, Ill. Clevis. No. 1,243,972; Oct. 23; v. 243; p. 893.
- Paul, Wesley A., deceased; L. V. Paul, administratrix, assignor to Deere & Company, Moline, Ill. Cultivator. No. 1,251,096; Dec. 25; v. 245; p. 899.
- Paul, Wesley A., and J. P. Seaholm, assignors to Deere & Company, Moline, Ill. Cultivator. No. 1,243,970; Oct. 23; v. 243; p. 892.
- Paul, William C., assignor to Reflex Co., Newark, N. J. Lamp. No. 1,211,750; Jan. 9; v. 234; p. 502.
- Paul, William H., Denver, Colo. Rate-division calculator. No. 1,234,933; July 31; v. 240; p. 1244.
- Paul, William J., Grand-View, Manitoba, Canada. Pulling device. No. 1,230,211; June 19; v. 239; p. 701.
- Paul, William J., Pittsburgh, Pa. Safety-guard. No. 1,230,921; June 26; v. 239; p. 974.
- Paul, William J., Pittsburgh, Pa. Coin-slot. No. 1,234,079; July 17; v. 240; p. 901.
- Paul, William J., Pittsburgh, Pa. Semi-automatic wrapping-machine. No. 1,238,328; Aug. 28; v. 241; p. 1004.
- Paul, William L., San Francisco, Cal., assignor to Deere & Company, Moline, Ill. Holding device for cultivator-standards. No. 1,243,971; Oct. 23; v. 243; p. 892.
- Pauli, Carl, Roselle Park, assignor to Garwood Company, Garwood, N. J. Mechanical movement. No. 1,215,056; Feb. 6; v. 235; p. 203.
- Pauli, Carl, Sound Beach, Conn., assignor to Garwood Company, Garwood, N. J. Chuck. No. 1,222,320; Apr. 10; v. 237; p. 493.
- Pauli, Gustaf S., Greensburg, Pa. Cuff-link. No. 1,243,547; Oct. 16; v. 243; p. 727.
- Pauli, Herman, Peoria, Ill. Automatic controller. No. 1,250,641; Dec. 18; v. 245; p. 715.
- Paulin, M. D., et al. (See Lundgren, Ludwig L., assignor.)
- Pauli, Allen, et al. (See Van Esbroeck, Francois, assignor.)
- Paulin, George W., Atlanta, Ill. Farm-gate. No. 1,245,016; Oct. 30; v. 243; p. 1246.
- Paulsen, George E., Chicago, Ill. Fish-hook. No. 1,215,697; Feb. 13; v. 235; p. 463.
- Paulsen, Henry P. (See Iverson and Paulsen.)
- Paulsen, Peter, Ute, Iowa. Stock-waterer. No. 1,213,897; Jan. 30; v. 234; p. 1347.
- Paulson, Charles J. (See Simpson and Paulson.)
- Paulson, Charles J. (See Simpson and Paulson.)
- Paulson, Hans, Orting, Wash. Adjustable rear sight for firearms. No. 1,229,652; June 12; v. 239; p. 481.
- Paulson, Peter, and J. M. Richter, Detroit, Mich. Mitering-die. No. 1,230,319; June 19; v. 239; p. 737.
- Paulson, Rudolf, Wakefield, assignor of one-half to C. B. Forely, Foxboro, Mass. Trap-nest. No. 1,224,318; May 1; v. 238; p. 73.
- Paulson, Walter H. (See Lathrop and Paulson.)
- Paulus, George W., Grand Rapids, Wis. Pencil-holder. No. 1,226,992; May 22; v. 238; p. 1118.
- Pauly, George J., Frackville, Pa. Signal. No. 1,215,979; Feb. 13; v. 235; p. 563.
- Pauly, Karl A., Schenectady, N. Y., assignor to General Electric Company. Induction-motor control. No. 1,215,184; Feb. 6; v. 235; p. 244.
- Paus, Rudolph H., Shipley, England. Flushing-cistern. No. 1,243,340; Oct. 16; v. 243; p. 666.
- Pavese, Luigi, Hoboken, N. J. Manually-propelled boat. No. 1,244,073; Oct. 23; v. 243; p. 923.
- Pavey, William B., and G. M. French, assignors to Economy Engineering Company, Chicago, Ill. Barrel-rack. No. 1,220,450; Mar. 27; v. 236; p. 998.
- Pavlik, Frank, Jr., Westminster, Colo. Dry closet. No. 1,234,688; July 24; v. 240; p. 1133.
- Pavlik, Frank, Jr., Westminster, Colo. Dry closet. No. 1,248,901; Dec. 4; v. 245; p. 139.
- Pavloff, Variky, and Z. Orizaroff, Harrisburg, Pa. Automobile safety-sign. No. 1,218,308; Mar. 6; v. 236; p. 148.
- Pawlaczyk, Frank. (See Wajda, Floryjan, assignor.)
- Pawling, Francis W., assignor of one-half to Turner Brothers Company, Terre Haute, Ind. Glass-working machine. No. 1,217,494; Feb. 27; v. 235; p. 1187.
- Pawling and Harnischfeger Company. (See Wehner, Lewis, assignor.)
- Paxson, Calvin D., Cleveland, Ohio. Detachable wheel-rim. No. 1,223,900; Apr. 24; v. 237; p. 1117.
- Paxton, Alexander G., Greenville, Miss. Nutcracker. No. 1,219,859; Mar. 20; v. 236; p. 752.
- Paxton, Benjamin F., St. Paul, Minn. Stump-burner. No. 1,238,698; Aug. 28; v. 241; p. 1119.
- Paxton, James L., Omaha, Nebr. Air-cooled swab-cup. No. 1,245,764; Nov. 6; v. 244; p. 187.
- Paxton-Mitchell Company, The. (See Keliher, James J., assignor.)
- Paxton, William D., Laporte, Ind. Automobile and truck. No. 1,242,588; Oct. 9; v. 243; p. 397.
- Pave & Baker Manufacturing Company. (See Nock, Harold E., assignor.)
- Payet, Jerome, Clifton, N. J. Apparatus for cleaning fabrics. No. 1,220,268; Mar. 27; v. 236; p. 933.
- Payet, Jerome, Clifton, N. J. Apparatus for cleaning fabrics. No. 1,246,993; Nov. 20; v. 244; p. 618.
- Payne, Charles F., Wheeling, W. Va. Combination marking-pot and stencil-brush ink. No. 1,227,927; May 29; v. 238; p. 1459.
- Payne, Charles H., Louisville, Ky. Vulcanizer. No. 1,245,964; Nov. 6; v. 244; p. 247.
- Payne, Clarence Q., New York, N. Y. Pneumatic concentrating-table. No. 1,212,393; Jan. 16; v. 234; p. 759.
- Payne, Daniel H., and E. C. Woodworth, Boyes Springs, Cal. Clothes-drier. No. 1,222,242; Apr. 10; v. 237; p. 466.
- Payne, George A. (See Quirin and Payne.)
- Payne, George H., Yuma, Ariz. Sd-remover. No. 1,230,320; June 19; v. 239; p. 737.
- Payne, James K., Santa Barbara, Cal. Automobile-signal. No. 1,215,845; Feb. 13; v. 235; p. 515.
- Payne, John S., Wortendyke, N. J. Locomotive-truck. No. 1,227,192; May 22; v. 238; p. 1184.
- Payne, Lawrence C. (See Luskey and Payne.)
- Payne, Lawrence M., Daytona, Fla. Toilet-fan. No. 1,250,001; Dec. 11; v. 245; p. 485.
- Payne, Marshall J., Staunton, Va. Valve. No. 1,223,901; Apr. 24; v. 237; p. 1118.
- Payne, Marshall J., Staunton, Va. Valve for containers. No. 1,247,713; Nov. 27; v. 244; p. 858.
- Payne, Noah, assignor to Push Stores Company, Chicago, Ill. Shoe. No. 1,249,817; Dec. 11; v. 245; p. 433.

- Payne, Carl W., assignor of one-half to R. E. Kilpatrick, Toledo, Ohio. Test-indicator. No. 1,241,469; Sept. 25; v. 242; p. 962.
- Payne, Theodore P., Newark, N. J., assignor to Steel Utilities, Incorporated. Metal-working machine. No. 1,241,246; Sept. 25; v. 242; p. 894.
- Payne, Theodore P., Newark, N. J., assignor to Steel Utilities, Incorporated. Metal-working machine. No. 1,241,247; Sept. 25; v. 242; p. 894.
- Payne, Theodore P., Newark, N. J., assignor to Steel Utilities, Incorporated. Metal-working machine. No. 1,241,248; Sept. 25; v. 242; p. 895.
- Payne, Theodore P., Newark, N. J., assignor to Steel Utilities, Incorporated. Machine for making distance-record devices for metal-working machines. No. 1,241,249; Sept. 25; v. 242; p. 895.
- Payne, Theodore P., Newark, N. J., assignor to Steel Utilities, Incorporated. Riveting-machine. No. 1,241,250; Sept. 25; v. 242; p. 896.
- Payne, Theodore P., Newark, N. J., assignor to Steel Utilities, Incorporated. Machine for making distance-record devices for metal-working machines. No. 1,241,268; Sept. 25; v. 242; p. 903.
- Payne, Theodore P., Newark, N. J., and E. V. Wurts, Pittsburgh, Pa., assignors to Steel Utilities, Incorporated. Metal-working machine. No. 1,241,254; Sept. 25; v. 242; p. 898.
- Payne, Thomas A., Bridgeport, Conn. Automatic cut-off for gas-burners. No. 1,235,155; July 31; v. 240; p. 1311.
- Payne, Thomas F., Pittsburgh, Pa. Automobile-radiator. No. 1,228,474; June 5; v. 239; p. 34.
- Payne, Wallace A., assignor of one-fourth to W. M. Wills and W. P. Mehurin, Staunton, Va. Coin-actuated stamp-venting machine. No. 1,219,860; Mar. 20; v. 236; p. 752.
- Payne, Wallace A., Staunton, Va., and C. W. Gosnell, Washington, D. C., assignors of one-fourth to W. M. Wills and W. P. Mehurin, Staunton, Va., and three-fourths to said Payne. Coin-controlled vending-machine. No. 1,219,861; Mar. 20; v. 236; p. 753.
- Payne, Walter S., University Place, Nebr. Drill, hammer, and motor-case combined. No. 1,217,815; Feb. 27; v. 235; p. 1299.
- Payne, Walter S., Lincoln, Nebr. Power-operated hammer. No. 1,228,962; June 5; v. 239; p. 198.
- Payne, William E. (See Ekund and Payne.)
- Payne, William J., Panther Burn, Miss. Nutcracker. No. 1,225,484; May 8; v. 238; p. 526.
- Paynter, Herbert A. (See Paynter, Howard W., assignor.)
- Paynter, Howard W., assignor of one-half to H. A. Paynter, Philadelphia, Pa. Transparent license-tag and holder. No. 1,235,936; Sept. 4; v. 242; p. 69.
- Payograph Company. (See Ovalett and Rosenstengel, assignors.)
- Payograph Company. (See Raber, Joseph, assignor.)
- Payor, Joseph P. (See Feldkamp, Payor, and Payson.)
- Payson, Harold. (See Feldkamp, Payor, and Payson.)
- Payson, Harold. (See Feldkamp, Payson, and Whipple.)
- Payton, I. S., et al. (See Lamp, Arthur W., assignor.)
- Payton, Arthur L., Chicago, Ill. Carbureter. No. 1,241,546; Oct. 2; v. 243; p. 24.
- Payton, Arthur L., Chicago, Ill. Carbureter. No. 1,241,547; Oct. 2; v. 243; p. 25.
- Payton, James, Foxton, Wyo. Swath-divider. No. 1,244,074; Oct. 23; v. 243; p. 923.
- Payton & Kelley Company. (See Dawley, Daniel D., assignor.)
- Peabody, C. Maurice. (See Oswald, Kolmen, assignor.)
- Peabody, Charles E., Brooks, Me. Armored tire. No. 1,235,156; July 31; v. 240; p. 1311.
- Peabody, Charles M., South Orange, N. J. Key for watchmen's clocks. No. 1,234,208; July 24; v. 240; p. 980.
- Peabody Woburn Machine Company. (See O'Brien, Daniel P., assignor.)
- Penchey, Stanley J., Heaton Mersey, near Manchester, England. Plastic material and producing same. No. 1,234,381; July 24; v. 240; p. 1037.
- Peacock, Benjamin, Philadelphia, Pa., assignor to Larrowe Construction Company, Detroit, Mich. Making oxid and hydroxid of barium. No. 1,250,642; Dec. 18; v. 245; p. 715.
- Peacock, Herman, Plainfield, Ind. Hay-baler. No. 1,241,548; Oct. 2; v. 243; p. 25.
- Peacock, J. Luther. (See Peterson, Thor W., assignor.)
- Peacock, James V. L., assignor of one-half to W. P. Kirking, Dothan, Ala. Wheel-hub. No. 1,234,080; July 17; v. 240; p. 901.
- Peacock, Robert A., Delaware City, Del. Game. No. 1,227,303; May 22; v. 238; p. 1221.
- Peacock, Robert A., Delaware City, Del. Spring-gun. No. 1,229,129; June 5; v. 239; p. 254.
- Peacock, Samuel, Philadelphia, Pa., assignor, by mesne assignments, to Marden, Orth & Hastings Co. Inc., New York, N. Y. Making magnesium compounds from silicate minerals. No. 1,231,423; June 26; v. 239; p. 1146.
- Peacock, Samuel, assignor to Bridgewater Chemical Company, Philadelphia, Pa. Extracting magnesium compounds from magnesium-bearing rocks. No. 1,250,216; Dec. 18; v. 245; p. 588.
- Penke, George H., Creede, Colo. Automobile-lock. No. 1,222,456; Apr. 10; v. 237; p. 541.
- Peaks, Vernon J., Aurora, Ill. Inking device. No. 1,211,341; Jan. 2; v. 234; p. 330.
- Peal, George H., Rutherford, N. J. Pyrotechnical toy. No. 1,246,315; Nov. 13; v. 244; p. 380.
- Peal, Marshall B., Brooklyn, N. Y. Combined spindle and casing for music-rolls. No. 1,245,377; Nov. 6; v. 244; p. 70.
- Pearce, Curtis S., Big Island, Va. Cistern-cleaner. No. 1,219,763; Mar. 20; v. 236; p. 718.
- Pearce, Edward N. (See Kane, Peter W., assignor.)
- Pearce, Herbert, and T. R. G. Parker, Broadheath, assignors to Linotype and Machinery Limited, London, England. Rotary offset-printing press. No. 1,215,404; Feb. 13; v. 235; p. 354.
- Pearce, Herbert, and J. E. Billington, Broadheath, assignors to Linotype and Machinery Limited, London, England. Typographical casting machine. No. 1,220,782; Mar. 27; v. 236; p. 1111.
- Pearce, Herbert, T. R. G. Parker, and R. H. Carverhill, Broadheath, England, assignors to The Duplex Printing Press Company, Battle Creek, Mich. Plate-clamping device for printing-machines. No. 1,223,068; Apr. 17; v. 237; p. 794.
- Pearce, Herbert, T. R. G. Parker, and W. E. Bennison, Broadheath, England, assignors to Wood Newspaper Machinery Corporation, New York, N. Y. Automatic apparatus for machining curved stereotype-plates. No. 1,233,698; July 17; v. 240; p. 780.
- Pearce, Otis, Benton, Ill. Folding bed. No. 1,234,798; July 31; v. 240; p. 1201.
- Pearce, W. C. (See King, Jess E., assignor.)
- Pearce, William W., Birmingham, Ala. Air-tester for air-brake systems. No. 1,216,723; Feb. 20; v. 235; p. 877.
- Pearch, Robert H., Elmira, N. Y. Drain-pipe and basin-trap flusher attaching device. No. 1,221,901; Apr. 10; v. 237; p. 846.
- Pearcy, Robert B., Thalia, Tex. Wagon-tongue. No. 1,217,627; Feb. 27; v. 235; p. 1235.
- Pearlman, Victor S., assignor to Victor S. Pearlman & Co., Chicago, Ill. Lamp-shade frame. No. 1,244,639; Oct. 30; v. 243; p. 1132.
- Pearman, John H., Lisbon, N. H. Cleaning device. No. 1,217,054; Feb. 20; v. 235; p. 988.
- Pearne, Frank D. (See Haase and Pearne.)
- Pearsall, Albert W., Lowell, assignor to The Lamson Company, Boston, Mass. Vacuum-plenum pneumatic-carrier-dispatch system. No. 1,240,362; Sept. 18; v. 242; p. 586.
- Pearsall, Sarah A., Rockville Center, N. Y. Veil-clasp. No. 1,223,608; Apr. 24; v. 237; p. 1013.
- Pearse, Harvey A., Seattle, Wash. Signaling device for automobiles. No. 1,236,755; Aug. 14; v. 241; p. 430.
- Pearse, Norman P., London, England. Cotton-gin. No. 1,212,672; Jan. 16; v. 234; p. 861.
- Pearson, Burley, West Terre Haute, Ind. Platen. No. 1,238,049; Aug. 21; v. 241; p. 878.
- Pearson, Charles. (See Benjamin and Pearson.)
- Pearson, Charles, Chicago, Ill., assignor to International Harvester Company of New Jersey. Mowing-machine. No. 1,213,942; Jan. 30; v. 234; p. 1361.
- Pearson, Charles, Chicago, Ill., assignor to International Harvester Company of New Jersey. Pitman. No. 1,226,364; May 15; v. 238; p. 869.
- Pearson, Charles, Chicago, Ill., assignor to International Harvester Company of New Jersey. Tandem draft connection for mowing-machines. No. 1,233,396; July 17; v. 240; p. 681.
- Pearson, Charles, Chicago, Ill., assignor to International Harvester Company of New Jersey. Gearing for mowers. No. 1,233,397; July 17; v. 240; p. 682.
- Pearson, Charles, Chicago, Ill., assignor to International Harvester Company of New Jersey. Mowing-machine. No. 1,237,689; Aug. 21; v. 241; p. 766.
- Pearson, Charles, Chicago, Ill., assignor to International Harvester Company of New Jersey. Mowing-machine. No. 1,237,690; Aug. 21; v. 241; p. 766.
- Pearson, Charles, Chicago, Ill., assignor to International Harvester Company of New Jersey. Mowing-machine. No. 1,240,361; Sept. 18; v. 242; p. 586.
- Pearson, Charles, Chicago, Ill., assignor to International Harvester Company of New Jersey. Stacker. No. 1,246,994; Nov. 20; v. 244; p. 618.
- Pearson, Charles, Chicago, Ill., assignor to International Harvester Company of New Jersey. Hay-rake. No. 1,250,347; Dec. 18; v. 245; p. 627.
- Pearson, Charles E., Chicago, Ill. Window-guard. No. 1,231,783; July 3; v. 240; p. 83.
- Pearson, Charles H., Topeka, Kans. Car hand-brake. No. 1,236,346; Aug. 7; v. 241; p. 260.
- Pearson, Coleman F., Montgomery, Ala. Grease-catching device for automobiles. No. 1,231,189; June 26; v. 239; p. 1067.
- Pearson, Effie M., Chicago, Ill. Inner tube to be used on automobiles and other conveyances. No. 1,223,827; Apr. 24; v. 237; p. 1092.
- Pearson, Elmer R., Omaha, Nebr., and C. E. Jones, Council Bluffs, Iowa. Film-lubricator. No. 1,225,270; May 8; v. 238; p. 451.
- Pearson, Ernest E. and W. H. Mitchellville, Iowa. Insect-trap. No. 1,239,302; Sept. 4; v. 242; p. 187.
- Pearson, Herbert G., Pionia, Colo. Fruit-sizing machine. No. 1,242,034; Oct. 2; v. 243; p. 179.

Alphabetical list of patentees—Continued.

- Pearson, Jacob, Minneapolis, Minn. Sliding-door lock. No. 1,243,548; Oct. 16; v. 243; p. 727.
- Pearson, John, Chicago, Ill. Car-roof. No. 1,213,246; Jan. 23; v. 234; p. 1091.
- Pearson, John H., assignor to One-piece Bifocal Lens Company, Indianapolis, Ind. Adapter for mounting toric tools on lens-grinding machines. No. 1,236,474; Aug. 14; v. 241; p. 335.
- Pearson, John L., Cedar Vale, Kans. Package and bundle tie. No. 1,222,887; Apr. 17; v. 237; p. 733.
- Pearson, Miles E., Pullman, Wash. Grain-treating apparatus. No. 1,218,114; Mar. 6; v. 236; p. 79.
- Pearson, Nels, Deep Bay, British Columbia, Canada. Bull-hook. No. 1,239,301; Sept. 4; v. 242; p. 186.
- Pearson, Otto, Mount Jewett, Pa. Sled. No. 1,244,075; Oct. 23; v. 243; p. 923.
- Pearson, Richmond D., Guilford, Me. Package-tie. No. 1,239,950; Sept. 11; v. 242; p. 422.
- Pearson, William A., Hamilton, Iowa. Fastener for wagon end-gates. No. 1,236,104; Aug. 7; v. 241; p. 189.
- Pearson, William H. (See Pearson, Ernest E. and W. H.)
- Pearsons, George T., New York, N. Y. Fire-extinguisher. No. 1,214,581; Feb. 6; v. 235; p. 34.
- Pearsons, George T., New York, N. Y. Fire-extinguisher. No. 1,215,698; Feb. 13; v. 235; p. 463.
- Pearsons, George T., New York, N. Y. Fire-extinguisher. No. 1,223,418; Apr. 24; v. 237; p. 946.
- Pearsons, George T., New York, N. Y. Fire-extinguisher. No. 1,237,550; Aug. 21; v. 241; p. 720.
- Pearsons, George T., New York, N. Y. Portable fire-extinguisher. No. 1,243,759; Oct. 23; v. 243; p. 827.
- Pearsons, Samuel T. (See Poore and Pearsons.)
- Pease, Louis, and A. W. Schoenheit, Pittsburgh, Pa. Animal-trap. No. 1,240,248; Sept. 18; v. 242; p. 550.
- Pease, Roger S., assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Manufacture of plate-glass. No. 1,217,340; Feb. 27; v. 235; p. 1131.
- Peat Coal Limited. (See Jenkins, Charles D., assignor.)
- Pechacek, John, Milwaukee, Wis. Cigar-mouthpiece. No. 1,234,209; July 24; v. 240; p. 980.
- Pecinovsky, Joseph W., Webb City, Mo. Toy helicopter. No. 1,213,943; Jan. 30; v. 234; p. 1361.
- Peck Bros. & Co., The. (See Newton, William G., assignor.)
- Peck, Caid H., Waverly, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Tool-retainer for percussive tools. No. 1,211,219; Jan. 2; v. 234; p. 289.
- Peck, Caid H., Athens, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Fluid-motor drill. No. 1,212,998; Jan. 16; v. 234; p. 973.
- Peck, Edmund E., Grand View on Hudson, N. Y., assignor, by mesne assignments, to S. Karpen & Bros., Chicago, Ill. Apparatus for the manufacture of seats and backs for chairs and like furniture. (Reissue.) No. 1,432,22; June 26; v. 239; p. 1185.
- Peck, Edmund E., Grand View, N. Y., assignor to S. Karpen & Bros., Chicago, Ill. Apparatus for the manufacture of seats and backs for chairs and like furniture. No. 1,234,210; July 24; v. 240; p. 980.
- Peck, Frederick E., Sawtelle, Cal. System of water-mains. No. 1,231,935; July 3; v. 240; p. 134.
- Peck, Frederick G., assignor to Buffalo Electric Vehicle Company, Buffalo, N. Y. Controlling means for electric vehicles. No. 1,245,264; Nov. 6; v. 244; p. 36.
- Peck, Harley J. (See Bessant, Frederick R., assignor.)
- Peck, Irving H., Derby, Conn. Machine for bunching hair-pins. No. 1,246,648; Nov. 13; v. 244; p. 481.
- Peck, John M., assignor to The Locke Insulator Mfg. Co., Victor, N. Y. Strain-insulator. No. 1,251,097; Dec. 25; v. 245; p. 899.
- Peck, William E., and Joseph W. Pennington, Steubenville, Ohio. Bath-tub attachment. No. 1,226,908; May 22; v. 238; p. 1086.
- Peck, William J., Peoria, Ill. Forming and quenching machine. No. 1,249,473; Dec. 11; v. 245; p. 332.
- Peck, William W., Muncie, Ind. Universal joint. No. 1,232,600; July 10; v. 240; p. 385.
- Peckham, Edgar, Westminster, London, England. Furnace. No. 1,229,320; June 12; v. 239; p. 368.
- Peckham, Edgar, and S. Thomas, London, England. Axle-truck for railway, tramway, and like vehicles. No. 1,239,212; Sept. 4; v. 242; p. 157.
- Peckham, Edwin C., Brooklyn, N. Y. Hair-measurer. No. 1,239,951; Sept. 11; v. 242; p. 422.
- Peckham, Joseph E., Newton Highlands, assignor to J. E. Peckham Co., Inc., Boston, Mass. Shank-stiffener. No. 1,240,249; Sept. 18; v. 242; p. 551.
- Peckham, Lewis A. (See Fuller, Eugene, assignor.)
- Pecora, James, and D. Smoldone, West Hazleton, Pa. Figure toy. No. 1,220,451; Mar. 27; v. 236; p. 999.
- Peden, Joseph E., New York, N. Y., assignor of one-half to T. F. Smith, St. Paul, Minn. Pneumatic tire. No. 1,230,508; June 19; v. 239; p. 800.
- Peden, Joseph W., Grand Rapids, Mich. Tobacco-bag attachment. No. 1,221,372; Apr. 3; v. 237; p. 130.
- Pedersen, Bernt, Mount Vernon, N. Y. Carbureter. No. 1,238,433; Aug. 28; v. 241; p. 1037.
- Pedersen, Carl A., Wilson, Ark. Stovepipe-fastener. No. 1,230,321; June 19; v. 239; p. 738.
- Pedersen, Chaunces T., Flushing, assignor of one-half to F. A. Chausois, New York, N. Y. Coffee-urn. No. 1,249,818; Dec. 11; v. 245; p. 433.
- Pedersen, Mikael, Dursley, England. Variable-speed gearing. No. 1,235,498; July 31; v. 240; p. 1413.
- Pedersen, Niels, assignor to A. Brock, Jr., Philadelphia, Pa. Camera-mounting. No. 1,221,902; Apr. 10; v. 237; p. 347.
- Pedersen, Peder O., Frederiksberg, Denmark, assignor to Federal Telegraph Company. Generator for high-frequency currents. No. 1,231,528; June 26; v. 239; p. 1178.
- Pedersen, Peder O., and V. Poulsen, Frederiksberg, Denmark, assignors to Federal Telegraph Company. Generator of high-frequency currents. No. 1,214,214; Jan. 30; v. 234; p. 1453.
- Pedersen, Peter, Newell, Iowa. Bed. No. 1,224,782; May 1; v. 238; p. 236.
- Pederson, George E., Havana, N. D. Stake-holder. No. 1,235,372; July 31; v. 240; p. 1377.
- Pederson, Mathias, Fargo, N. D. Radiator-valve. No. 1,219,582; Mar. 20; v. 236; p. 656.
- Pederson, Rasmus, East Omaha, Nebr. Vehicle attachment. No. 1,228,594; June 5; v. 239; p. 75.
- Pedlar People Limited, The. (See Hall, William H., assignor.)
- Pedlar, William S., Vancouver, British Columbia, Canada. Lawn-mower. No. 1,225,050; May 8; v. 238; p. 379.
- Pedley, Ward P. (See Moors, Walter C., assignor.)
- Pedley, William E., Riverside, Cal. Means to check the flow of water in streams. No. 1,219,995; Mar. 20; v. 238; p. 799.
- Pedroff, Victor, Dyerville, Cal. Truss. No. 1,248,156; Nov. 27; v. 244; p. 984.
- Pedrick, Howard A., Bala, assignor to Pedrick Tool and Machine Company, Philadelphia, Pa. Ring-cutting machine. No. 1,227,304; May 22; v. 238; p. 1221.
- Pedrick, Howard A., Bala, assignor to Pedrick Tool and Machine Company, Philadelphia, Pa. Boring-head. No. 1,230,020; June 12; v. 239; p. 599.
- Pedrick Tool and Machine Company. (See Pedrick, Howard A., assignor.)
- Peebles, Frank J. (See Crompt and Peebles.)
- Peebles, Herbert S. (See Crompt and Peebles.)
- Peek, Frank W., Jr., Schenectady, N. Y., assignor to General Electric Company. Spark-gap. No. 1,232,467; July 3; v. 240; p. 307.
- Peek, Frank W., Jr., Schenectady, N. Y., assignor to General Electric Company. Protection of electrical apparatus. No. 1,235,373; July 31; v. 240; p. 1377.
- Peeler, Floyd R., Chester, S. C. Noiseless beefsteak-conditioner. No. 1,212,999; Jan. 16; v. 234; p. 973.
- Peelle Company, The. (See Wexler, Benjamin, assignor.)
- Peepers, Josiah, Coeur d'Alene, Idaho. Slip-joint-pipe-locking means. No. 1,226,002; May 15; v. 238; p. 743.
- Peepers, Josiah, Coeur d'Alene, Idaho. Lawn-sprinkler. No. 1,226,003; May 15; v. 238; p. 744.
- Peer, Perry A., Comstock, Mich. Folding table-standard. No. 1,222,457; Apr. 10; v. 237; p. 541.
- Peerless Electric Company, The. (See Swift, Robert W., assignor.)
- Peerless Electric Sign Company. (See Launbranch, Malcolm E., assignor.)
- Peerless Light Company. (See Herskovitz, Max, assignor.)
- Peerless Mfg. Co., The. (See Sorensen, Peter L., assignor.)
- Peerless Moistener Co., The. (See Holt, William, assignor.)
- Peerless Motor Car Company, The. (See Strickland, William R., assignor.)
- Peerless Motor Car Company, The. (See Wadsworth, George R., assignor.)
- Peerless Silk Mills Inc. (See Jaegge, Otto, assignor.)
- Peerless Tube Co. (See Neidinger, George H., assignor.)
- Peerless Wheel Company. (See Carter, Frank, assignor.)
- Peerstone, Earl D., Chicago, Ill. Valve for radiators. No. 1,241,878; Oct. 2; v. 243; p. 131.
- Peery, Thomas H., Brunswick, Mo. Electric-light sign. No. 1,220,678; Mar. 27; v. 236; p. 1077.
- Peet, Edward B. (See Peet, Walter F., assignor.)
- Peet, Truman J., Monticello, Iowa. Crimping-machine. No. 1,241,145; Sept. 25; v. 242; p. 862.
- Peet, Walter F., assignor of one-half to E. B. Peet, Philadelphia, Pa. Paper-clip. No. 1,227,193; May 22; v. 238; p. 1185.
- Peg Lock Block Company Inc. (See Kirk, Louis H., assignor.)
- Pegg, Gerald. (See Pratt and Pegg.)
- Pegg, J. A., et al. (See Megathlin, Jesse L., assignor.)
- Pegler, Emile J., New York, N. Y. Transparent refrigerator. No. 1,219,764; Mar. 20; v. 236; p. 718.
- Pegram, Howard L., Mulvane, Kans. Concrete bridge construction. No. 1,225,485; May 8; v. 238; p. 527.
- Pehel, Zygmunt, assignor of one-fourth to W. Figler, New York, and one-fourth to J. Molinski, Astoria, N. Y. Sash-holder. No. 1,236,864; Aug. 14; v. 241; p. 463.
- Peickert, Emil E. (See Peickert, Otto J. and E. E.)
- Peickert, Otto J. and E. E., Stevens Point, Wis. Harness-trace. No. 1,217,055; Feb. 20; v. 235; p. 989.
- Peigler, Commodore T. (See Peigler, Stanley C. and C. T.)
- Peigler, Stanley C. and C. T., Greenville, S. C. Heel-cutting machine. No. 1,229,130; June 5; v. 239; p. 254.

- Peiler, Karl E., Hartford, Conn., assignor to Hartford-Fairmont Company, Canajoharie, N. Y. Manufacture of glassware. No. 1,222,243; Apr. 10; v. 237; p. 467.
- Peiler, Karl E., Hartford, Conn., assignor to Hartford-Fairmont Company, Canajoharie, N. Y. Method and machine for feeding molten glass. No. 1,234,934; July 31; v. 240; p. 1245.
- Peirce, Charles L., Jr., assignor of one-half to Hubbard & Co., Pittsburgh, Pa. Insulator-support. No. 1,210,685; Jan. 2; v. 234; p. 107.
- Peirce, Charles L., Jr., assignor of one-half to Hubbard & Co., Pittsburgh, Pa. Insulator-support. No. 1,210,686; Jan. 2; v. 234; p. 107.
- Peirce, Charles L., Jr., assignor of one-half to Hubbard & Co., Pittsburgh, Pa. Insulator-suspension bracket. No. 1,210,687; Jan. 2; v. 234; p. 108.
- Peirce, Charles L., Jr., assignor of one-half to Hubbard & Co., Pittsburgh, Pa. Insulator-support. No. 1,212,394; Jan. 16; v. 234; p. 760.
- Peirce, Charles L., Jr., assignor of one-half to Hubbard & Co., Pittsburgh, Pa. Insulator-supporting bracket. No. 1,212,673; Jan. 16; v. 234; p. 861.
- Peirce, Charles L., Jr., assignor of one-half to Hubbard & Co., Pittsburgh, Pa. Separable insulator-thimble structure. No. 1,219,862; Mar. 20; v. 236; p. 753.
- Peirce, Edward B., Lowell, Mass. Truck and wheelbarrow. No. 1,230,769; June 19; v. 239; p. 886.
- Peirce, James W., and C. L. Hannah, said Peirce assignor to O. S. Tam, Orange, Tex. Silo. No. 1,210,688; Jan. 2; v. 234; p. 108.
- Peirce, John R., New York, N. Y. Recording apparatus and device. No. 1,219,765; Mar. 20; v. 236; p. 718.
- Peirce, John R., New York, N. Y. Bookkeeping-machine. No. 1,219,766; Mar. 20; v. 236; p. 719.
- Peirce, John R., New York, N. Y. Sorting-machine. No. 1,219,767; Mar. 20; v. 236; p. 719.
- Peirce, John R., New York, N. Y. Bookkeeping-machine. No. 1,233,699; July 17; v. 240; p. 781.
- Peirce, John R., New York, N. Y. Perforated card for accounting systems. No. 1,236,475; Aug. 14; v. 241; p. 335.
- Peirce, John R., Mont. Clare, Pa. Geometrical instrument. No. 1,242,467; Oct. 9; v. 243; p. 357.
- Peirce, John R., New York, N. Y., assignor to Peirce Patents Company. Recording-machine. No. 1,245,500; Nov. 6; v. 244; p. 106.
- Peirce, John R., New York, N. Y., assignor to Peirce Patents Company. Machine for recording or listing items on cards. No. 1,248,902; Dec. 4; v. 245; p. 140.
- Peirce Patents Company. (See Peirce, John R., assignor.)
- Peirce, William B., assignor to Buffalo Bolt Company, North Tonawanda, N. Y. Coil-heating furnace. No. 1,243,442; Oct. 16; v. 243; p. 695.
- Peirce, William B., assignor to Buffalo Bolt Company, North Tonawanda, N. Y. Coil-heating furnace. No. 1,243,443; Oct. 16; v. 243; p. 695.
- Peirce, William B., assignor to Buffalo Bolt Company, North Tonawanda, N. Y. Heating coiled materials. No. 1,243,444; Oct. 16; v. 243; p. 696.
- Pelham, Alphonzo E., *et al.* (See Sill, Richard V., assignor.)
- Pelham, George, Lead, S. D. Stop device for cameras. No. 1,213,687; Jan. 23; v. 234; p. 1244.
- Pelham, Richard M., and C. A. Kuenzel, Jr., Denver, Colo. Vapor-mixer for an internal-combustion engine. No. 1,218,909; Mar. 6; v. 236; p. 148.
- Pell, William C. (See Lodge and Pell.)
- Pelleck, Samuel. (See Ambick, John, assignor.)
- Pellegrin, Alfred L., Tucson, Ariz. Treating ores. No. 1,233,398; July 17; v. 240; p. 682.
- Pellegrin, Alfred L., Tucson, assignor of one-half to H. Greenwell, Nogales, Ariz. Concentrating ores. No. 1,237,691; Aug. 21; v. 241; p. 767.
- Pellegrino, Menotti, New York, N. Y. Coal-emptier. No. 1,212,252; Jan. 16; v. 234; p. 710.
- Pellegrino, Menotti, New York, N. Y. Spring-wheel. No. 1,250,643; Dec. 18; v. 245; p. 715.
- Pellet, Martin L. (See Collins and Pellett.)
- Pelletier, Charles E., assignor of one-third to R. Labadie and one-third to H. Toty, New Orleans, La. Automatic street-indicator. No. 1,236,975; Aug. 14; v. 241; p. 499.
- Pelouze Manufacturing Company. (See Bellows, Walter C., assignor.)
- Pelton, Chauncey R. (See Crane and Pelton.)
- Pelton, Clyde S., Cleveland Heights, assignor, by mesne assignments, to The Standard Parts Company, Cleveland, Ohio. Heater for motor-driven vehicles. No. 1,248,903; Dec. 4; v. 245; p. 140.
- Pelton, Ernest, and S. D. Hopton, Geneva, Ohio. Feed-water-heating apparatus. No. 1,238,187; Aug. 28; v. 241; p. 957.
- Pelton, John C., San Francisco, Cal. Apparatus for casting bodies formed of cement or the like. No. 1,227,824; May 29; v. 238; p. 1425.
- Pelton, John C., San Francisco, Cal. Making colored sand. No. 1,233,501; July 17; v. 240; p. 716.
- Pelton, Lewis V., assignor of one-half to E. H. Maloney, Dansville, N. Y. License-display device for vehicles. No. 1,250,644; Dec. 18; v. 245; p. 715.
- Pelton Water Wheel Company. (See Doble, William A., assignor.)
- Pelton Water Wheel Company. (See Karnasch, Leopold M., assignor.)
- Peltz, Harry C., Lansford, Pa. Split nut. No. 1,241,432; Sept. 25; v. 242; p. 951.
- Peltz, Mancl E., Malad City, Idaho. Weed-puller. No. 1,242,468; Oct. 9; v. 243; p. 358.
- Pelucha, John, Newark, N. J. Milk-boiler. No. 1,213,404; Jan. 23; v. 234; p. 1147.
- Pemberton-Billing, Noel, county of Hertford, England. Gramophone and the like. No. 1,230,509; June 19; v. 239; p. 800.
- Pemberton, Harold. (See Nickelsen, McMillan, and Pemberton.)
- Pemberton, John W., Wheeling, W. Va. Tread-resurfacing device for wheels. No. 1,221,211; Apr. 3; v. 237; p. 75.
- Pembroke, Charles J., *et al.* (See Kendrick, Alexander M., assignor.)
- Pembroke, Charles J., Rochester, N. Y. Compressed-gas controlling and igniting mechanism for automobiles. No. 1,216,485; Feb. 20; v. 235; p. 795.
- Pembroke, Charles J., Rochester, N. Y. Vehicle. No. 1,216,486; Feb. 20; v. 235; p. 795.
- Pembroke, Charles J., Rochester, N. Y. Fastening device. No. 1,230,021; June 12; v. 239; p. 599.
- Pembroke, Charles J., Rochester, N. Y. Antifriction device. No. 1,236,756; Aug. 14; v. 241; p. 430.
- Pembroke, Winfield P., Rochester, N. Y. Carbureter. No. 1,236,004; Aug. 7; v. 241; p. 155.
- Pembroke, Winfield P., Rochester, N. Y. Carbureter. No. 1,241,013; Sept. 25; v. 242; p. 821.
- Pembroke, Winfield P., Rochester, N. Y. Carbureter. No. 1,241,014; Sept. 25; v. 242; p. 822.
- Pen Dell, Charles W., Chicago, Ill., assignor to General Electric Company. Automatic substation. No. 1,211,220; Jan. 2; v. 234; p. 289.
- Pena, Manuel V., Cotulla, Tex. Connector and releaser. No. 1,211,342; Jan. 2; v. 234; p. 331.
- Peña, Max, and P. Cruz, Hebronville, Tex. Cleaning apparatus. No. 1,231,936; July 3; v. 240; p. 134.
- Pence, Frank R., Pence, Ind. Bolster for vehicles. No. 1,225,168; May 8; v. 238; p. 418.
- Pence Mailing Machine Company. (See Long, Sidney L., assignor.)
- Pence, Peter M., New Paris, Ohio. Tobacco-harvester. No. 1,217,495; Feb. 27; v. 235; p. 1188.
- Pender, James E. P., assignor to Gorham Manufacturing Company, Providence, R. I. Receptacle. No. 1,243,211; Oct. 16; v. 243; p. 628.
- Pender, Jesse F. (See Keller and Pender.)
- Pendergast, Frederick W., Cambridge, Mass. Mop. No. 1,222,662; Apr. 17; v. 237; p. 656.
- Pendergast, John E., Jackson, Mont. Hammer. No. 1,215,980; Feb. 13; v. 235; p. 563.
- Pendlebury, James, and J. Heatley, Blackfoot, Idaho. Potato-grader. No. 1,215,846; Feb. 13; v. 235; p. 515.
- Pendry, William J., Patterson, Cal. Bedclothes-clamp. No. 1,226,807; May 22; v. 238; p. 1053.
- Peney, Charles A. (See Baldwin and Peney.)
- Penfield, Raymond C. (See Crum, Hollis B., assignor.)
- Penfield, Raymond C., New York, N. Y. Lifting and perforating brick. No. 1,221,765; Apr. 3; v. 237; p. 264.
- Penfield, Raymond C., New York, N. Y. Apparatus for mechanically hacking brick. No. 1,241,879; Oct. 2; v. 243; p. 132.
- Penfield, Raymond C., New York, N. Y. Open-top-drier system. No. 1,243,212; Oct. 16; v. 243; p. 628.
- Penhallegon Company, The. (See Penhallegon, John J., assignor.)
- Penhallegon, John J., Mineral Point, Wis., assignor to The Penhallegon Company, St. Paul, Minn. Radiator. No. 1,247,572; Nov. 20; v. 244; p. 782.
- Penington, James W. (See McDonal, Charles L., assignor.)
- Penington, Quintus C., Chapel, Okla. Stone-gatherer. No. 1,241,880; Oct. 2; v. 243; p. 132.
- Penn, Alfred, New Orleans, La. Insect collecting and destroying machine. No. 1,238,188; Aug. 28; v. 241; p. 958.
- Penn, Charles F., Des Moines, Iowa. Collapsible camp-stove. No. 1,241,760; Oct. 2; v. 243; p. 93.
- Penn, Holmes E., Madison, N. C. Hook and eye adjustment. No. 1,248,001; Nov. 27; v. 244; p. 941.
- Penn Printing House *et al.* (See Clinton, Michael, assignor.)
- Penn Rivet Corporation. (See Coombs, James W., assignor.)
- Pennefather, James S., New York, N. Y., assignor to The Chase Shawmut Company, Newburyport, Mass. Electrical display device. No. 1,247,874; Nov. 27; v. 244; p. 904.
- Pennell, Joseph D., Boston, Mass. Tension device for winding yarn. No. 1,214,820; Feb. 6; v. 235; p. 116.
- Penner, John L. (See Frazier, Charles, assignor.)
- Pennewill, James W., Silver City, N. Mex. Accounting-sheet. No. 1,226,111; May 15; v. 238; p. 781.
- Pennewill, James W., Silver City, N. Mex. Accounting record-sheet. No. 1,227,653; May 29; v. 238; p. 1365.
- Penney, Harold D., Pelham, N. Y., assignor to H. B. Newhall, Littleton, N. H. Multiple-plunger impact-hammer. No. 1,222,663; Apr. 17; v. 237; p. 656.
- Penney, Harold D., Pelham, assignor to R. L. McElroy, New York, N. Y. Phonograph-diaphragm. No. 1,236,476; Aug. 14; v. 241; p. 335.

Alphabetical list of patentees—Continued.

- Pennington, Frances A., Stockport, England. Arm-support for crutches and the like. No. 1,247,143; Nov. 20; v. 244; p. 661.
- Pennington, Joseph W. (See Peck and Pennington.)
- Pennington, Willis. (See Rupright, Frederick E., assignor.)
- Pennock, Frederick W., Quebec, Quebec, Canada. Lamp guard and shade. No. 1,244,640; Oct. 30; v. 243; p. 1132.
- Pennock, John D., L. C. Jones, and F. L. Grover, Syracuse, assignors to The Solvay Process Company, Solvay, N. Y. Recovering constituents of value from natural alkaline deposits. No. 1,215,574; Feb. 13; v. 235; p. 418.
- Pennock, John D., L. C. Jones, and F. L. Grover, Syracuse, assignors to The Solvay Process Company, Solvay, N. Y. Recovering constituents of value from natural alkaline deposits. No. 1,215,575; Feb. 13; v. 235; p. 419.
- Pennock, John D., L. C. Jones, and F. L. Grover, Syracuse, assignors to The Solvay Process Company, Solvay, N. Y. Separating mixed potassium chlorid and borax. No. 1,215,576; Feb. 13; v. 235; p. 419.
- Pennsylvania Brake Beam Company. (See Applebaugh and Keller, assignors.)
- Pennsylvania Engineering Works. (See Furst, John K., assignor.)
- Pennsylvania Glass Sand Company. (See Bratton, Ambrose A., assignor.)
- Pennsylvania Globe Gas Light Company. (See Slinack, Victor H., assignor.)
- Pennsylvania Lawn Mower Works. (See Braun, John F., assignor.)
- Pennsylvania Match Company, The. (See Troup, Calvin H., assignor.)
- Penrod, David L., Alta, Utah. Amalgamating-mill. No. 1,230,770; June 19; v. 239; p. 886.
- Penrod, Ray, Cypress, Ill. Fish-hook. No. 1,242,469; Oct. 9; v. 243; p. 358.
- Penrose & Company, A. W. (See Tallent and Carlson, assignors.)
- Penrose, John. (See Ploeger and Penrose.)
- Penrose, Richard A., Philadelphia, Pa. Detachable vehicle-wheel. No. 1,236,477; Aug. 14; v. 241; p. 336.
- Pense, Irl L., Bonesteel, S. D. Horse-detacher. No. 1,216,601; Feb. 20; v. 235; p. 836.
- Penseyres, William H., Buffalo, N. Y. Non-slipping traction device for vehicle-wheels. No. 1,213,131; Jan. 16; v. 234; p. 1017.
- Pente, William, Chicago, Ill. Toy. No. 1,231,059; June 26; v. 239; p. 1023.
- Pente, William, Chicago, Ill. Figure toy. No. 1,232,601; July 10; v. 240; p. 386.
- Pente, William, Chicago, Ill. Box. No. 1,250,348; Dec. 18; v. 245; p. 628.
- Pentecost, Arthur, East Orange, N. J., assignor to The Alder Machine Company, Wilkes-Barre, Pa. Calculating-machine. No. 1,223,419; Apr. 24; v. 237; p. 946.
- Pentecost, Arthur, East Orange, N. J., assignor to The Alder Machine Company, Wilkes-Barre, Pa. Calculating-machine. No. 1,238,809; Sept. 4; v. 242; p. 28.
- Pentony, George W. (See Schellens and Pentheny.)
- Pentoney, Clifford P., Pasadena, Cal. Headlight flag-supporting device. No. 1,241,433; Sept. 25; v. 242; p. 952.
- Pentony, Edward, Redwood Falls, Minn. Stove-lid lifter. No. 1,248,391; Nov. 27; v. 244; p. 1049.
- Pentz, Mathias H., Rockton, Pa. Railway-tie. No. 1,215,981; Feb. 13; v. 235; p. 564.
- Penza, Pasquale, Bologna, Italy. Pneumatic-dynamic car for diminishing the destructive effects of railway collisions. No. 1,218,310; Mar. 6; v. 236; p. 148.
- Peoples, John M., Harrisburg, Pa. Pillow. No. 1,211,871; Jan. 9; v. 234; p. 547.
- Peoria Drill and Seeder Company. (See Steele, Benjamin M., assignor.)
- Peper, Clarence F., St. Louis, Mo. Machine for stemming cured tobacco-leaves. No. 1,235,722; Aug. 7; v. 241; p. 61.
- Peper, John, Newark, N. J. Hair-dyeing device. No. 1,236,757; Aug. 14; v. 241; p. 430.
- Pepin, Joseph N. (See Pepin, Jule C. and J. N.)
- Pepin, Jule C. and J. N., East Chicago, Ind. Trestle. No. 1,226,112; May 15; v. 238; p. 781.
- Pepin, Jule C. and J. N., East Chicago, Ind. Elevating and folding trestle. No. 1,239,814; Sept. 11; v. 242; p. 378.
- Peppard, Mayme J., Minneapolis, Minn. Hair-curler. No. 1,217,816; Feb. 27; v. 235; p. 1299.
- Pepper, De Watt, New Milford, Conn. Adjustable chair. No. 1,212,808; Jan. 16; v. 234; p. 907.
- Pepper, Frederick W., assignor to Standard Baking Company, Minneapolis, Minn. Baking-cone. No. 1,224,564; May 1; v. 238; p. 161.
- Pepperberg, Roy V., Lincoln, Nebr. Novelty-box. No. 1,245,378; Nov. 6; v. 244; p. 70.
- Perchway, John F. (See Perchway, Ovid A. and J. F.)
- Perchway, Ovid A. and J. F., Fulton, N. Y. Rain-shield for side-car motor-cycles. No. 1,237,376; Aug. 21; v. 241; p. 665.
- Percival, Charles F., Springfield, Mass. Convertible seat and bed. No. 1,248,702; Dec. 4; v. 245; p. 81.
- Perdue, Alba B. (See Snow and Perdue.)
- Perepelkin, Jacob, St. Petersburg, Russia. Apparatus for controlling mechanisms at a distance. No. 1,228,963; June 5; v. 239; p. 198.
- Perepelkin, Jacob, Petrograd, Russia. Indication-transmitting apparatus. No. 1,236,976; Aug. 14; v. 241; p. 500.
- Perera, Guido, New York, N. Y. Safety match-box. No. 1,236,758; Aug. 14; v. 241; p. 430.
- Pereti, James F., Trenton, N. J. Signaling device. No. 1,217,628; Feb. 27; v. 235; p. 1235.
- Perew, Louis P., North Tonawanda, N. Y. Hydro-aeroplane. No. 1,213,000; Jan. 16; v. 234; p. 974.
- Pérez, Porfirio P., and S. Batista, Key West, Fla. Wrench. No. 1,245,017; Oct. 30; v. 243; p. 1247.
- Perez, Manuel S., Albuquerque, N. Mex. Power-transmitting apparatus. No. 1,248,392; Nov. 27; v. 244; p. 1049.
- Perez de Villa-Amil, Alberto, Cienfuegos, Cuba. Tool-holder. No. 1,227,398; May 22; v. 238; p. 1250.
- Perfect Bottle Opener Company. (See Cochrane, Robert B., assignor.)
- Perfect, Charles A., assignor to The Sunbury Mfg. Co., Sunbury, Ohio. Automatic loader. No. 1,218,580; Mar. 6; v. 236; p. 239.
- Perfect, Eber M., assignor of one-half to F. W. Winans, Evansville, Ind. Delivery mechanism for vending-machines. No. 1,240,595; Sept. 18; v. 242; p. 658.
- Perfect, Eber M., Crafton, Pa., assignor of one-half to F. W. Winans, Evansville, Ind. Coin weighing and blocking device for vending-machines. No. 1,240,596; Sept. 18; v. 242; p. 658.
- Perfect Vacuum Canning Company. (See Malmquist, Adolph K., assignor.)
- Perfect Window Regulator Company. (See Ternstedt, Alvar K., assignor.)
- Perfection Concrete Stave Silo Company. (See Perkins, Charles J., assignor.)
- Perfection Cone Mfg. Co. (See Donofrio, Patsy, assignor.)
- Perfection Metal Products Company. (See Leland, Harry R., assignor.)
- Perfection Tire & Rubber Co. (See Christian, James H., assignor.)
- Perfection Vapor Light Co. (See Davis, Fred E., assignor.)
- Perfection Vapor Light Company. (See Ulfers and Asimos, assignors.)
- Peribouis, Daniel, New York, N. Y. Hollow metal jamb and trim. No. 1,245,018; Oct. 30; v. 243; p. 1247.
- Perin, Donald W., Newton, Mass. Regenerative electric-motor system and controller therefor. No. 1,215,847; Feb. 13; v. 235; p. 516.
- Peris, Nicholas U., Lancaster, Pa. Air-valve for radiators. No. 1,213,405; Jan. 23; v. 234; p. 1147.
- Perkin, William H., Oxford, and S. Bradbury, Ashton-upon-Mersey, England. Treatment of cotton and cotton goods and other combustible substances to render them permanently less inflammable. No. 1,224,204; May 1; v. 238; p. 31.
- Perkin, William H., Oxford, and S. Bradbury, Ashton-upon-Mersey, England. Treatment of cotton and cotton goods and other combustible substances to render them permanently less inflammable. No. 1,224,205; May 1; v. 238; p. 31.
- Perkins, Albert E., Wooster, Ohio. Device for cleansing and drying dishes. No. 1,226,993; May 22; v. 238; p. 1118.
- Perkins, Allen J., Lake Charles, La. Frost-protection system. No. 1,215,057; Feb. 6; v. 235; p. 203.
- Perkins Campbell Company, The. (See Campbell, Milton D., assignor.)
- Perkins-Campbell Company, The. (See Campbell, Wendell B., assignor.)
- Perkins-Campbell Company, The. (See Stricker, Clarence W., assignor.)
- Perkins, Charles E., Grand Rapids, Mich. Universal joint. No. 1,211,484; Jan. 9; v. 234; p. 412.
- Perkins, Charles H., Laconia, assignor to Crane Manufacturing Company, Lakeport, N. H. Knitting-machine. No. 1,211,872; Jan. 9; v. 234; p. 548.
- Perkins, Charles J., Des Moines, Iowa. Mold for plastic blocks. No. 1,219,348; Mar. 13; v. 236; p. 544.
- Perkins, Charles J., Manitou, Colo. Silo-roof. No. 1,221,373; Apr. 3; v. 237; p. 131.
- Perkins, Charles J., Des Moines, Iowa. Combination movable seat and support. No. 1,241,434; Sept. 25; v. 242; p. 952.
- Perkins, Charles J., Des Moines, Iowa, assignor to Perfection Concrete Stave Silo Company, Pierre, S. D. Silo construction. No. 1,227,928; May 29; v. 238; p. 1459.
- Perkins, Clement L., Pittsburgh, Pa., assignor to Metals Recovery Company, New York, N. Y. Flotation of minerals. No. 1,240,597; Sept. 18; v. 242; p. 658.
- Perkins, Clement L., Pittsburgh, Pa., assignor to Metals Recovery Company, New York, N. Y. Flotation of minerals. No. 1,240,598; Sept. 18; v. 242; p. 658.
- Perkins, Clement L., Pittsburgh, Pa., assignor to Metals Recovery Company, New York, N. Y. Flotation of minerals. No. 1,240,599; Sept. 18; v. 242; p. 659.
- Perkins, Clement L., Pittsburgh, Pa., assignor to L. F. Watson, Boston, Mass. Method and appliance for separating laminated and fibrous minerals. No. 1,243,096; Oct. 16; v. 243; p. 593.
- Perkins, Daniel B., Providence, R. I. Stropping device. No. 1,243,097; Oct. 16; v. 243; p. 594.
- Perkins, Edwin A., Jamaica, N. Y. Roller-bearing. No. 1,212,253; Jan. 16; v. 234; p. 710.

- Perkins, Ernest E., Council Bluffs, Iowa. Square. No. 1,215,848; Feb. 13; v. 235; p. 516.
- Perkins, Floyd E., Baudette, Minn. Electric mail-carrier. No. 1,250,002; Dec. 11; v. 245; p. 486.
- Perkins, Frank C., assignor of one-eighth to G. J. Meyer, one-eighth to G. H. Meyer, one-eighth to L. P. Meyer, and one-eighth to E. Meyer, Buffalo, N. Y. Electric water-heater. No. 1,223,729; Apr. 24; v. 237; p. 1057.
- Perkins, Frank G., deceased; G. S. Perkins, executrix, Lansdale, Pa., assignor to Perkins Glue Co. Glue-spreader. No. 1,238,810; Sept. 4; v. 242; p. 29.
- Perkins, Frank G., deceased, Lansdale, Pa.; G. S. Perkins, executrix, South Bend, Ind., assignor to Perkins Glue Company. Making glue. No. 1,251,275; Dec. 25; v. 245; p. 952.
- Perkins, Frank M., Monticello, Minn. Lubricating device. No. 1,243,213; Oct. 16; v. 243; p. 628.
- Perkins, Gardner H., Cazenovia, N. Y. Device for mowing hay. No. 1,242,853; Oct. 9; v. 243; p. 481.
- Perkins, George W. W., Chicago, Ill. Pump-valve. No. 1,216,354; Feb. 20; v. 235; p. 748.
- Perkins, Gertrude S., executrix. (See Perkins, Frank G.)
- Perkins Glue Company. (See Grosvenor, William M., assignor.)
- Perkins Glue Company. (See Perkins, Frank G., assignor.)
- Perkins, Harry F., Schenectady, N. Y., assignor to General Electric Company. Vapor electric device. No. 1,240,772; Sept. 18; v. 242; p. 713.
- Perkins, Harry J., Grand Rapids, Mich. Universal joint. No. 1,212,395; Jan. 16; v. 234; p. 760.
- Perkins, Harry J., Grand Rapids, Mich. Grinding-machine. No. 1,248,539; Dec. 4; v. 245; p. 32.
- Perkins, Harry J., Grand Rapids, Mich. Universal joint. No. 1,250,349; Dec. 18; v. 245; p. 628.
- Perkins, James D., Atlanta, assignor to The Railway Appliance Mfg. Co., Fulton county, Ga. Railway-switch. No. 1,222,577; Apr. 10; v. 237; p. 585.
- Perkins, John L. (See Trudeau, Theodore F., assignor.)
- Perkins, Jonathan, San Diego, Cal. Plumb-bob apparatus. No. 1,230,074; June 12; v. 239; p. 617.
- Perkins, Joseph M. (See Keeney and Perkins.)
- Perkins, Julius A., Omaha, Nebr. Roller-bearing. No. 1,212,550; Jan. 16; v. 234; p. 815.
- Perkins, Julius A., New York, N. Y. Roller-bearing cage. No. 1,212,551; Jan. 16; v. 234; p. 815.
- Perkins, Julius A., New York, N. Y. Thrust-bearing. No. 1,218,311; Mar. 6; v. 236; p. 149.
- Perkins, Julius A., New York, N. Y. Thrust-bearing. No. 1,218,312; Mar. 6; v. 236; p. 149.
- Perkins, Julius A., New York, N. Y. Roller-bearing. No. 1,233,905; July 17; v. 240; p. 847.
- Perkins, Julius A., Omaha, Nebr. Roller-bearing. No. 1,239,619; Sept. 11; v. 242; p. 315.
- Perkins, Laurence M., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical protective device. No. 1,224,408; May 1; v. 238; p. 106.
- Perkins, Nicholas P., assignor of one-half to W. A. Cantrell, Charleston, W. Va. Scroll-forming machine. No. 1,249,474; Dec. 11; v. 245; p. 333.
- Perkins, Robert G. (See Mannon, Brown, and Perkins.)
- Perkins, Samuel F., Boston, Mass. Kite. No. 1,222,791; Apr. 17; v. 237; p. 700.
- Perkins, Samuel F., Boston, Mass. Kite. No. 1,227,654; May 29; v. 238; p. 1365.
- Perkins, Samuel G. (See McDowall and Perkins.)
- Perkins, Seth E., Waterloo, Iowa. Door-operating device. No. 1,247,322; Nov. 20; v. 244; p. 712.
- Perlín, Zodeck, assignor of one-half to The Mattes Plumbing Company, Middletown, Conn. Household heating device. No. 1,222,578; Apr. 10; v. 237; p. 586.
- Perlman, Louis H., New York, N. Y. Wheel. No. 1,230,075; June 12; v. 239; p. 618.
- Perlman, Louis H., New York, N. Y. Wheel. No. 1,237,692; Aug. 21; v. 241; p. 767.
- Permutit Company, The. (See Kriegsheim, Heinrich, assignor.)
- Perna, Alexander, Philadelphia, Pa. Device for use in instructing infants to walk. No. 1,222,664; Apr. 17; v. 237; p. 657.
- Peronto, William J., Hardwood, Mich. Log-loader. No. 1,224,565; May 1; v. 238; p. 161.
- Perrault, Joseph E., Belmont, and H. G. Ellis, Watertown, Mass. Heel-applying apparatus. No. 1,228,964; June 5; v. 239; p. 199.
- Perreten, Michael, Alliance, Ohio. Till. No. 1,225,169; May 8; v. 238; p. 419.
- Perreten, Michael, Alliance, Ohio. Filing-cabinet. No. 1,225,170; May 8; v. 238; p. 419.
- Perreten, Michael, Alliance, Ohio. Permutation-lock. No. 1,225,171; May 8; v. 238; p. 419.
- Perreten, Michael, Alliance, Ohio. Recorder. No. 1,232,389; July 3; v. 240; p. 283.
- Perreten, Michael, Alliance, Ohio. Exhibitor. No. 1,245,019; Oct. 30; v. 243; p. 1247.
- Perreur-Lloyd, Marcel, Boulogne-sur-Seine, France. Apparatus for production of copper by electrolysis. No. 1,233,906; July 17; v. 240; p. 847.
- Perreur-Lloyd, Marcel, Boulogne-sur-Seine, assignor to M. V. Bailly, Paris, France. Apparatus for the production of zinc, copper, or other metals by electrolysis. No. 1,235,723; Aug. 7; v. 241; p. 62.
- Perreur-Lloyd, Marcel, Boulogne-sur-Seine, assignor to M. V. Bailly, Paris, France. Apparatus for the electrolytic production of zinc, copper, or other metals. No. 1,235,724; Aug. 7; v. 241; p. 62.
- Perri, Angelo. (See Donovan and Perri.)
- Perri, Angelo, Groveland, assignor to Reece Shoe Machinery Company, Boston, Mass. Lasting-machine. No. 1,222,125; Apr. 10; v. 237; p. 423.
- Perri, Angelo, Groveland, assignor to Reece Shoe Machinery Company, Boston, Mass. Lasting-machine. No. 1,222,126; Apr. 10; v. 237; p. 423.
- Perri, Angelo, Groveland, assignor to Reece Shoe Machinery Company, Boston, Mass. Lasting-machine. No. 1,222,127; Apr. 10; v. 237; p. 424.
- Perri, Angelo, Watertown, assignor to Reece Shoe Machinery Company, Boston, Mass. Wiring or binding the ends of lasted boots and shoes. No. 1,237,549; Aug. 21; v. 241; p. 720.
- Perri, Angelo, Haverhill, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Pulling-over machine. No. 1,249,185; Dec. 4; v. 245; p. 218.
- Perrin, Frederic S., Brooklyn, N. Y., assignor to Splitdorf Electrical Co., Newark, N. J. Electric-circuit-breaking device. No. 1,213,799; Jan. 23; v. 234; p. 1282.
- Perrin, John G., assignor to Motor Patents Company, Detroit, Mich. Speedometer driving mechanism. No. 1,219,479; Mar. 20; v. 236; p. 619.
- Perrin, John G., assignor to Motor Patents Company, Detroit, Mich. Mechanism for driving speedometers. No. 1,223,902; Apr. 24; v. 237; p. 1118.
- Perrin, Roger W., assignor to Theatre Vending Machine Corporation, New York, N. Y. Vending-machine. No. 1,212,674; Jan. 16; v. 234; p. 862.
- Perrin, Roger W., assignor to Theatre Vending Machine Corporation, New York, N. Y. Vending-machine. No. 1,246,316; Nov. 13; v. 244; p. 381.
- Perrin, William H., New Liskeard, Ontario, Canada. Shocker. No. 1,218,694; Mar. 13; v. 236; p. 316.
- Perrine, Leroy L., Bedford, Ind. Playing-cards. No. 1,246,152; Nov. 13; v. 244; p. 331.
- Perrine, William E. (See Wood and Epright, assignors.)
- Perring, Merrick E., Volinia township, Cass county, Mich. Lamp for automobiles. No. 1,235,374; July 31; v. 240; p. 1377.
- Perris, Ben, Lakewood, Ohio, assignor, by mesne assignments, to National Carbon Company, Inc. Projector arc-lamp. No. 1,241,270; Sept. 25; v. 242; p. 904.
- Perrone, Pio, Rome, assignor to Società Anonima Italiana Gio. Ansaldo & C., Genoa, Italy. Gun-carriage shield and the embrasure of casemates. No. 1,213,247; Jan. 23; v. 234; p. 1092.
- Perrot, William, Ottawa, Ill. Ventilator. No. 1,229,131; June 5; v. 239; p. 255.
- Perrott, Ralph O., Bucyrus, Ohio, assignor to American Clay Machinery Company, Chicago, Ill. Apparatus for drying wares made from tender clay. No. 1,215,849; Feb. 13; v. 235; p. 517.
- Perry, Benjamin, Cleveland, Ohio. Furnace. No. 1,248,703; Dec. 4; v. 245; p. 81.
- Perry, Calvin E., Leicester, Mass. Resilient wheel. No. 1,246,457; Nov. 13; v. 244; p. 424.
- Perry, Charles H., Miami, Fla. Sprinkler-head. No. 1,239,952; Sept. 11; v. 242; p. 422.
- Perry, Charles L., Schenectady, N. Y., assignor to General Electric Company. Controller. No. 1,247,446; Nov. 20; v. 244; p. 747.
- Perry, Edgar M., Bay, Ark., assignor of one-fourth to C. S. De Field, East Prairie, Mo. Reversing-valve for internal-combustion engines. No. 1,248,393; Nov. 27; v. 244; p. 1050.
- Perry, Ernest B., Bay City, Mich. Power-wheel for grab-buckets. No. 1,241,271; Sept. 25; v. 242; p. 905.
- Perry, Ernest B., Bay City, Mich. Guard for grab-bucket power-wheels. No. 1,248,904; Dec. 4; v. 245; p. 140.
- Perry, Eugene O., Detroit, Mich. Brooder. No. 1,215,982; Feb. 13; v. 235; p. 564.
- Perry, Frank B., Newton Center, Mass. Signaling device. No. 1,238,937; Sept. 4; v. 242; p. 69.
- Perry, Franklin. (See Seely and Perry.)
- Perry, George E. (See Sawyer and Perry.)
- Perry, George E. (See Spinner and Perry.)
- Perry, Grover, Chicago, Ill. Book-marking device. No. 1,222,023; Apr. 10; v. 237; p. 389.
- Perry, Hubert M., Chicago, Ill., assignor to A. G. Welch, trustee. Antifriction side bearing. No. 1,236,478; Aug. 14; v. 241; p. 336.
- Perry, Ira D., Chicago, Ill. Locking device for automobiles. No. 1,215,323; Feb. 6; v. 235; p. 293.
- Perry, Ira D., Chicago, Ill. Motor-vehicle steering-gearing. No. 1,217,104; Feb. 20; v. 235; p. 1006.
- Perry, James E., Los Angeles, Cal. Oil-burning heater. No. 1,239,303; Sept. 4; v. 242; p. 187.
- Perry, John, Kensington, London, and S. G. Brown, North Acton, England. Gyro-compass. No. 1,240,872; Sept. 25; v. 242; p. 777.
- Perry, John B., Oakland, Cal. Tool-holder. No. 1,250,645; Dec. 18; v. 245; p. 715.
- Perry, John H., Middletown, N. Y. Sheet-metal roof. No. 1,240,773; Sept. 18; v. 242; p. 713.
- Perry, Laurence C., Montpelier, Ind. Concrete fence-post. No. 1,249,186; Dec. 4; v. 245; p. 218.

Alphabetical list of patentees—Continued.

- Perry, Lee J., assignor to Vesta Accumulator Company, Chicago, Ill. Accumulator-cell. No. 1,239,513; Sept. 11; v. 242; p. 281.
- Perry, Lycus D., New Rochelle, assignor to Ludwig and Company, New York, N. Y. Grand-piano action. No. 1,231,937; July 3; v. 240; p. 134.
- Perry, M. W. (See Crowley, George E., assignor.)
- Perry, Ray P., Montclair, N. J., assignor to Barrett Manufacturing Company. Joining sheets of composition roofing. No. 1,241,146; Sept. 25; v. 242; p. 863.
- Perry, Robert J. S., Belton, Tex. Clothes-washing machine. No. 1,215,405; Feb. 13; v. 235; p. 355.
- Perry, Robert S., Cave Spring, Ga. Painting porous surfaces. No. 1,239,953; Sept. 11; v. 242; p. 423.
- Perry, Roy, Greene, Iowa. Riding attachment for drags. No. 1,232,965; July 10; v. 240; p. 506.
- Perry, Rufus M., Fyffe, Ala. Fender. No. 1,249,475; Dec. 11; v. 245; p. 333.
- Perry, Victor N., Batavia, N. Y. Pneumatic straw-stacker. No. 1,226,588; May 15; v. 238; p. 939.
- Perry, Ward S., Chicago, Ill. Headlight. No. 1,219,480; Mar. 20; v. 236; p. 619.
- Perry, Ward S., Chicago, Ill. Headlight-dimmer. No. 1,219,583; Mar. 20; v. 236; p. 656.
- Perry, Wiley C., Oklahoma, Okla. Music-leaf turner. No. 1,211,751; Jan. 9; v. 234; p. 503.
- Perry, William J., Bridgeport, Conn. Machine for hardening articles. No. 1,214,949; Feb. 6; v. 235; p. 164.
- Perryclear, William E., Savannah, Ga., assignor of one-half to L. W. High, Wilson, N. C. Stove. No. 1,239,514; Sept. 11; v. 242; p. 281.
- Persak, Joseph, Burwell, Nebr. Buoyancy attachment for ships. No. 1,240,873; Sept. 25; v. 242; p. 778.
- Pershing, Frederick R., Braddock, Pa. Food-chopper. No. 1,211,343; Jan. 2; v. 234; p. 331.
- Pershing, Walter B., South Bend, Ind. Eraser. No. 1,247,714; Nov. 27; v. 244; p. 858.
- Person, Albert W. and J. E., Harvard, Nebr. Electric heater. No. 1,212,254; Jan. 16; v. 234; p. 711.
- Person, Axel, assignor to Harvey Clap & Co., Attleboro, Mass. Buckle-clasp. No. 1,246,995; Nov. 20; v. 244; p. 619.
- Person, Herman. (See Robinson and Person.)
- Person, Julius E. (See Person, Albert W. and J. E.)
- Persons, William D. (See Breed, George F., assignor.)
- Persons, William F., Lakewood, assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio. Automobile-lamp. No. 1,214,582; Feb. 6; v. 235; p. 35.
- Persons, William F., Lakewood, assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio. Automobile-lamp. No. 1,214,583; Feb. 6; v. 235; p. 35.
- Persons, William F., Lakewood, assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio. Automobile-lamp. No. 1,221,212; Apr. 3; v. 237; p. 75.
- Persson, Emanuel, Yule Meadow, Alberta, Canada. Shoe. No. 1,219,584; Mar. 20; v. 236; p. 657.
- Persson, Frans, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Cutting-tool. No. 1,215,406; Feb. 13; v. 235; p. 355.
- Persyn, Andrew L., Newport, Wash. Game-board and accessories. No. 1,216,355; Feb. 20; v. 235; p. 748.
- Perth Amboy Chemical Works, The. (See Schrimpe, Conrad F., assignor.)
- Pertsch, Charles A., Baltimore, Md. Disappearing table attachment for beds. No. 1,233,502; July 17; v. 240; p. 717.
- Pervelis, Hercules, New York, N. Y. Shock-absorber. No. 1,237,088; Aug. 14; v. 241; p. 535.
- Pesikan, George, Ralphon, Pa. Bayonet. No. 1,249,476; Dec. 11; v. 245; p. 333.
- Pestel, Arthur, New York, N. Y. Measuring device. No. 1,248,905; Dec. 4; v. 245; p. 141.
- Pet-Son Pump Company, The. (See Peters, Theodore, assignor.)
- Peteler, Adolph, New York, N. Y. Automobile lifting-jack. No. 1,214,710; Feb. 6; v. 235; p. 81.
- Peteler, Adolph, Freeport, N. Y. Tire-pump. No. 1,236,479; Aug. 14; v. 241; p. 336.
- Peter A. Frasse & Co. (See Allingham, Henry W., assignor.)
- Peter, Arnold H. (See Cox and Peter.)
- Peter, Arnold H., assignor to Royal Baking Powder Company, New York, N. Y. Manufacture of hydrochloric acid. No. 1,229,509; June 12; v. 239; p. 431.
- Peter, John A., Fostoria, Ohio. Rain-water filter and automatic cut-off. No. 1,242,854; Oct. 9; v. 243; p. 481.
- Peter, Ralph C., Estherville, Iowa. Joist-anchor. No. 1,251,276; Dec. 25; v. 245; p. 952.
- Peter Smith Heater Company, The. (See Smith, Elmer J., assignor.)
- Petermann, Jacob G. (See Stenert, John A., assignor.)
- Petermann, Otto, Groton, N. Y., assignor to Corona Type-writer Company, Incorporated. Card and label holder for type-writing machines. No. 1,215,324; Feb. 6; v. 235; p. 293.
- Petermann, Otto, Groton, N. Y., assignor to Corona Type-writer Company, Inc. Label-holder for type-writing machines. No. 1,215,325; Feb. 6; v. 235; p. 294.
- Petermann, Otto, Groton, N. Y., assignor to Corona Typewriter Company, Incorporated. Type-writing machine. No. 1,215,699; Feb. 13; v. 235; p. 464.
- Petermann, Otto, Groton, N. Y., assignor to Corona Type-writer Company, Incorporated. Key-lever construction for type-writing machines. No. 1,232,836; July 10; v. 240; p. 463.
- Petermann, Otto, Groton, N. Y., assignor to Corona Type-writer Company, Inc. Type-writing machine. No. 1,232,837; July 10; v. 240; p. 464.
- Petermann, Otto, Groton, N. Y., assignor to Corona Type-writer Company, Inc. Type-writer stand. No. 1,247,144; Nov. 20; v. 244; p. 661.
- Peters, Arnold G., Minneapolis, Minn. Lamp-box. No. 1,214,363; Jan. 30; v. 234; p. 1507.
- Peters, Arnold G., Minneapolis, Minn. Pane-fastening. No. 1,223,609; Apr. 24; v. 237; p. 1014.
- Peters, Arthur E., Westmont borough, Pa. Conveying and sorting. No. 1,235,157; July 31; v. 240; p. 1312.
- Peters, Arthur E., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for compressors and pumps. No. 1,222,321; Apr. 10; v. 237; p. 493.
- Peters, Arthur H., Fort Wayne, Ind., assignor to Horton Manufacturing Company. Safety device for wringers. No. 1,238,938; Sept. 4; v. 242; p. 69.
- Peters Cartridge Company, The. (See Muenzenmaier, George A., assignor.)
- Peters, Charles H., et al. (See Secord, Frederick A., assignor.)
- Peters, Cornelius A., assignor of one-half to E. R. Bee-man and one-half to P. J. Lyons, Minneapolis, Minn. Agricultural implement. No. 1,245,121; Oct. 30; v. 243; p. 1277.
- Peters, Frank E., assignor of one-third to J. D. Eastman and one-third to S. R. Greer, Indianapolis, Ind. Block-molding machine. No. 1,220,452; Mar. 27; v. 236; p. 999.
- Peters, Frank M. (See Hungerford, Warren H., assignor.)
- Peters, Henry, Sioux Falls, S. D. Hydrocarbon-burner. No. 1,222,792; Apr. 17; v. 237; p. 700.
- Peters, Henry M., Chicago, Ill. Portable electric lamp. No. 1,225,051; May 8; v. 238; p. 379.
- Peters, Henry P., Lester, Iowa. Loft-door attachment. No. 1,237,377; Aug. 21; v. 241; p. 665.
- Peters, Herbert E. (See Murphy, McKeever, and Peters.)
- Peters, Herman, assignor to Holeproof Hosiery Co., Milwaukee, Wis. Knitting-machine. No. 1,240,250; Sept. 18; v. 242; p. 551.
- Peters, Homer L., Salem, Ohio. Vacuum-cleaner. No. 1,217,817; Feb. 27; v. 235; p. 1299.
- Peters, Hubert, assignor of one-half to F. M. Bill, Edmonton, Alberta, Canada. Indicator. No. 1,213,406; Jan. 23; v. 234; p. 1147.
- Peters, John B., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Brush and holder for generators and motors. No. 1,222,982; Apr. 17; v. 237; p. 765.
- Peters, John F., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Connector for reactance-coils. No. 1,210,528; Jan. 2; v. 234; p. 52.
- Peters, John F., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Stabilizing and power-factor correcting means for electrical circuits. No. 1,242,971; Oct. 16; v. 243; p. 553.
- Peters, John F., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Limiting reactance-coil. No. 1,241,549; Oct. 2; v. 243; p. 26.
- Peters, Karl R., Philadelphia, Pa. Universal joint. No. 1,245,379; Nov. 6; v. 244; p. 70.
- Peters, Karl R., Philadelphia, Pa. Tool for refinishing journals. No. 1,250,646; Dec. 18; v. 245; p. 716.
- Peters, Matthew J., St. Louis, Mo. Packing-ring. No. 1,211,344; Jan. 2; v. 234; p. 331.
- Peters, Melville E., Denver, Colo. Machine for gumming blanks for covering boxes and for other purposes. No. 1,222,983; Apr. 17; v. 237; p. 765.
- Peters, Melville E., G. H. Fath, and A. F. Miller, Denver, Colo. Co-operating blank feeding and gumming mechanism for blank-gumming machines. No. 1,223,516; Apr. 24; v. 237; p. 982.
- Peters, Melville E., G. H. Fath, and A. F. Miller, Denver, Colo. Blank and label feeding roller for blank-gumming machines. No. 1,223,517; Apr. 24; v. 237; p. 982.
- Peters, Melville E., G. H. Fath, and A. F. Miller, Denver, Colo. Automatically-operating closed-gap blank-gumming cylinder. No. 1,226,994; May 22; v. 238; p. 1118.
- Peters, Melville E., G. H. Fath, and A. F. Miller, Denver, Colo. Box and plunger and blank registering mechanism. No. 1,226,995; May 22; v. 238; p. 1118.
- Peters, Melville E., G. H. Fath, and A. F. Miller, Denver, Colo. Extension-edge-box-blank-wrapping mechanism. No. 1,226,996; May 22; v. 238; p. 1119.
- Peters, Melville E., G. H. Fath, and A. F. Miller, Denver, Colo. Mechanism for cleaning the ends of intermittent endless-conveyor gummed-blank grippers. No. 1,226,997; May 22; v. 238; p. 1120.
- Peters, Melville E., G. H. Fath, and A. F. Miller, Denver, Colo. Gummed-blank and unwrapped-box registering mechanism. No. 1,229,510; June 12; v. 239; p. 431.
- Peters, Melville E., G. H. Fath, and A. F. Miller, Denver, Colo. Wiper mechanism for the ends of gum-coated suction-tubes. No. 1,229,511; June 12; v. 239; p. 432.
- Peters, Melville E., G. H. Fath, and A. F. Miller, Denver, Colo. Box-feeding mechanism for box-wrapping machines. No. 1,229,512; June 12; v. 239; p. 432.

- Peters, Melville E., G. H. Fath, and A. F. Miller, Denver, Colo. Blank receiving and delivering table. No. 1,229,513; June 12; v. 239; p. 433.
- Peters, Melville E., G. H. Fath, and A. F. Miller, assignors to The Peters Patent Rights Company, Denver, Colo. Pneumatic blank-transferring mechanism. No. 1,235,499; July 31; v. 240; p. 1414.
- Peters, Melville E., G. H. Fath, and A. F. Miller, assignors to The Peters Patent Rights Company, Denver, Colo. Automatically-operating blank or label feeding mechanism for blank-gumming machines. No. 1,235,500; July 31; v. 240; p. 1414.
- Peters, Melville E., G. H. Fath, and A. F. Miller, assignors to The Peters Patent Rights Company, Denver, Colo. Automatic blank-feeding mechanism for blank-gumming machines. No. 1,235,501; July 31; v. 240; p. 1415.
- Peters, Melville E., G. H. Fath, and A. F. Miller, assignors to The Peters Patent Rights Company, Denver, Colo. Pneumatically-controlled blank-gumming machine. No. 1,239,815; Sept. 11; v. 242; p. 378.
- Peters, Melville E., G. H. Fath, and A. F. Miller, assignors to The Peters Patent Rights Company, Denver, Colo. Gap and segment blank-gumming cylinder. No. 1,239,816; Sept. 11; v. 242; p. 379.
- Peters, Melville E., G. H. Fath, and A. F. Miller, assignors to The Peters Patent Rights Company, Denver, Colo. Blank-feeder for gumming-machines. No. 1,239,817; Sept. 11; v. 242; p. 379.
- Peters, Melville E., G. H. Fath, and A. F. Miller, assignors to The Peters Patent Rights Company, Denver, Colo. Blank-edge-exposing mechanism for blank-gumming cylinders. No. 1,239,818; Sept. 11; v. 242; p. 379.
- Peters, Melville E., G. H. Fath, and A. F. Miller, assignors to The Peters Patent Rights Company, Denver, Colo. Box-transferring mechanism for box or package transmission machines. No. 1,239,819; Sept. 11; v. 242; p. 380.
- Peters, Melville E., G. H. Fath, and A. F. Miller, assignors to The Peters Patent Rights Company, Denver, Colo. Endless blank-gripping apron conveyor. No. 1,244,536; Oct. 30; v. 243; p. 1100.
- Peters, Melville E., G. H. Fath, and A. F. Miller, assignors to The Peters Patent Rights Company, Denver, Colo. Pneumatically-controlled blank-tripping mechanism for blank-feeding mechanisms. No. 1,244,537; Oct. 30; v. 243; p. 1100.
- Peters, Melville E., G. H. Fath, and A. F. Miller, assignors to The Peters Patent Rights Company, Denver, Colo. Third-stage treatment for box-wrapping machines. No. 1,244,538; Oct. 30; v. 243; p. 1100.
- Peters, Melville E., G. H. Fath, and A. F. Miller, assignors to The Peters Patent Rights Company, Denver, Colo. Apparatus for wrapping extension-edge boxes. No. 1,244,539; Oct. 30; v. 243; p. 1101.
- Peters, Melville E., G. H. Fath, and A. F. Miller, assignors to The Peters Patent Rights Company, Denver, Colo. Side turn-in wiper for wrapping the side edges of boxes with gummed blanks. No. 1,244,540; Oct. 30; v. 243; p. 1101.
- Peters Patent Rights Company, The. (See Peters, Fath, and Miller, assignors.)
- Peters, Theodore, Ferdinand, Ind., assignor to The Peterson Pump Company. Pressure-regulating valve. No. 1,231,293; June 26; v. 239; p. 1101.
- Peters, Thomas J. (See Ferriter, John P., assignor.)
- Peters, Thomas J., Peters, Fla. Apparatus for preparing fruit for shipment. No. 1,245,880; Nov. 6; v. 244; p. 71.
- Petersen, Anders, San Francisco, Cal. Nut-lock. No. 1,234,081; July 17; v. 240; p. 902.
- Petersen, Anker, Mobile, Ala. Clamp. No. 1,235,375; July 31; v. 240; p. 1377.
- Petersen, Anker, Winthrop, Mass. Braiding-machine. No. 1,241,550; Oct. 2; v. 243; p. 26.
- Petersen, Carl M. (See Hall and Petersen.)
- Petersen, Christian, *et al.* (See Mehle, Michael, assignor.)
- Petersen, Christian A. (See Eibye and Petersen.)
- Petersen, Christian A., assignor of one-half to L. A. Petersen, Beverly, Mass. Blind-fastener. No. 1,237,089; Aug. 14; v. 241; p. 535.
- Petersen, Gustav A., Viborg, S. D. Shoe-closure. No. 1,213,533; Jan. 23; v. 234; p. 1192.
- Petersen, Hans, Warrenton, Va. Work-holder. No. 1,222,888; Apr. 17; v. 237; p. 733.
- Petersen, Hans, Lostwood, N. D. Belt-fastener. No. 1,224,498; May 1; v. 238; p. 137.
- Petersen, Hans, assignor to The Linograph Company, Davenport, Iowa. Slug-trimmer for linotype-machines. No. 1,231,784; July 3; v. 240; p. 83.
- Petersen, Hans, assignor to The Linograph Company, Davenport, Iowa. Matrix-escapement. No. 1,231,785; July 3; v. 240; p. 84.
- Petersen, Hans, assignor to The Linograph Company, Davenport, Iowa. Molding mechanism for linotype-machines. No. 1,245,265; Nov. 6; v. 244; p. 37.
- Petersen, Hans, assignor to The Linograph Company, Davenport, Iowa. Mold for linotype-machines. No. 1,248,906; Dec. 4; v. 245; p. 141.
- Petersen, Haas P. E., Fond du Lac, Wis. Motor-starter. No. 1,250,647; Dec. 18; v. 245; p. 716.
- Petersen, Henry K., San Dimas, Cal. Bowling game. No. 1,247,323; Nov. 20; v. 244; p. 712.
- Petersen-Hviid, Lauritz, Copenhagen, Denmark. Impregnating fabrics. No. 1,219,349; Mar. 13; v. 236; p. 544.
- Petersen, Lauritz A. (See Petersen, Christian A., assignor.)
- Petersen, Marinus, Norma, N. D. Motor-sleigh. No. 1,211,345; Jan. 2; v. 234; p. 331.
- Petersen, Nels P., Verdil, Minn. Hay-rack and wagon-box jack. No. 1,238,329; Aug. 28; v. 241; p. 1005.
- Petersen, Nels P., Los Angeles, Cal. Die-head. No. 1,249,819; Dec. 11; v. 245; p. 434.
- Petersen, Peter H., Westbrook, Me. Wall-bracket. No. 1,224,016; Apr. 24; v. 237; p. 1156.
- Petersen, Sophus, assignor to Sperry Gyroscope Company, Brooklyn, N. Y. Means for transmitting angular movements. No. 1,225,486; May 8; v. 238; p. 527.
- Petersen, Thor W., assignor by mesne assignments to J. L. Peacock, Chicago, Ill. Vending-machine. No. 1,219,768; Mar. 20; v. 236; p. 720.
- Peterson, Aaron E., Lanyon, Iowa. Road-drag. No. 1,246,649; Nov. 13; v. 244; p. 482.
- Peterson, Adolphe C., Minneapolis, Minn. Internal-combustion motor. No. 1,231,060; June 26; v. 239; p. 1024.
- Peterson, Alex, San Francisco, Cal. Warehouse-truck. No. 1,220,269; Mar. 27; v. 236; p. 933.
- Peterson, Andrew, Newark, N. J. Machine for ozonizing air. No. 1,239,515; Sept. 11; v. 242; p. 282.
- Peterson, Andrew J., Isanti, assignor to Twin City Feeder Manufacturing Company, Minneapolis, Minn. Feeder for grain-separators. No. 1,249,663; Dec. 11; v. 245; p. 387.
- Peterson, Bardolph, Sherrard, Ill. Safety appliance for powder-kegs and other containers. No. 1,224,017; Apr. 24; v. 237; p. 1156.
- Peterson, Charles A., Fields Landing, and J. R. Peterson, Sawyers Bar, Cal. Tire-removing tool. No. 1,238,050; Aug. 21; v. 241; p. 879.
- Peterson, Charles H., Hartford, Conn. Wheel. No. 1,219,661; Mar. 20; v. 236; p. 684.
- Peterson, Charlie, assignor of one-half to H. Bowman, Florence, and C. Erickson, Commonwealth, Wis. Alpship. No. 1,218,456; Mar. 6; v. 236; p. 196.
- Peterson, Charlie W., Grayson, Nebr. Permutation-padlock. No. 1,241,435; Sept. 25; v. 242; p. 952.
- Peterson, Clarence, Elm Springs, S. D. Loading and unloading chute. No. 1,241,436; Sept. 25; v. 242; p. 952.
- Peterson, Deward J., Greenville, Wis. Straining means. No. 1,237,809; Aug. 21; v. 241; p. 802.
- Peterson, Emil A., Appleton, Wis. Knife-bar for beating-engines. No. 1,216,487; Feb. 20; v. 235; p. 796.
- Peterson, Emil J., assignor to Gale Manufacturing Company, Albion, Mich. Corn-planter shoe. No. 1,219,996; Mar. 20; v. 236; p. 799.
- Peterson, Ernest R. (See Wiklund and Peterson.)
- Peterson, Fred H., Amsterdam, N. Y. Apparatus for dropping bombs. No. 1,251,414; Dec. 25; v. 245; p. 992.
- Peterson, Frederick O. (See Peterson, John and F. O.)
- Peterson, Fredolf J., Alliance, Ohio. Adding-machine. No. 1,227,655; May 29; v. 238; p. 1366.
- Peterson, George, New Auburn, Wis. Shovel attachment for pitchforks. No. 1,220,453; Mar. 27; v. 236; p. 1000.
- Peterson, George A., Oakland, Cal. Pipe-coupling. No. 1,213,132; Jan. 16; v. 234; p. 1018.
- Peterson, George D., Chicago, Ill. Mail-elevator. No. 1,218,800; Mar. 13; v. 236; p. 356.
- Peterson, Gilbert E., Clinton, Minn. Anchor. No. 1,239,820; Sept. 11; v. 242; p. 380.
- Peterson, Gustaf E., assignor to Pratt & Whitney Company, Hartford, Conn. Automatic back-rest. (Reissue.) No. 14,299; May 8; v. 238; p. 612.
- Peterson, Henry E., Seattle, Wash. Machine for grading fruit. No. 1,214,821; Feb. 6; v. 235; p. 117.
- Peterson, Hilding F., assignor to Light Draft Harrow Company, Marshalltown, Iowa. Spring-tooth for cultivators. No. 1,218,581; Mar. 6; v. 236; p. 239.
- Peterson, James H., Price, Utah. Traction-wheel. No. 1,234,689; July 24; v. 240; p. 1134.
- Peterson, Johann G., assignor to Manhattan Electrical Supply Company, Jersey City, N. J. Capped carbon pencil. No. 1,234,799; July 31; v. 240; p. 1202.
- Peterson, Johann G., assignor to Manhattan Electrical Supply Company, Jersey City, N. J. Face-plate for electrical wall-receptacles. No. 1,236,480; Aug. 14; v. 241; p. 337.
- Peterson, Johann G., and O. H. Huebel, assignors to Manhattan Electrical Supply Company, Inc., Jersey City, N. J. Telegraph-key. No. 1,242,470; Oct. 9; v. 243; p. 358.
- Peterson, John. (See Peterson, Swan J., assignor.)
- Peterson, John, Seattle, Wash. Mechanism for converting motion. No. 1,241,015; Sept. 25; v. 242; p. 822.
- Peterson, John, Felch, assignor of one-half to S. J. Peterson, Foster City, Mich. Rail-tie. No. 1,220,885; Mar. 27; v. 236; p. 1147.
- Peterson, John and F. O., Detroit, Mich. Explosion-engine. No. 1,238,330; Aug. 28; v. 241; p. 1005.
- Peterson, John A., Alameda, Cal. Holder for lamps or headlights. No. 1,222,458; Apr. 10; v. 237; p. 542.
- Peterson, John H. N., Baker, Oreg. Shoe-fastening device. No. 1,219,146; Mar. 13; v. 236; p. 476.

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- Peterson, John M., assignor to G. J. Sayer, Chicago, Ill. Refrigerating apparatus. No. 1,225,850; May 15; v. 238; p. 692.
- Peterson, John M., assignor to G. J. Sayer, Chicago, Ill. Sausage-stuffer. No. 1,234,935; July 31; v. 240; p. 1245.
- Peterson, John M., assignor to G. J. Sayer, Chicago, Ill. Refrigerating apparatus. No. 1,238,051; Aug. 21; v. 241; p. 879.
- Peterson, John M., assignor to G. J. Sayer, Chicago, Ill. Slicing-machine. No. 1,243,867; Oct. 23; v. 243; p. 861.
- Peterson, John R. (See Peterson, Charles A. and J. R.)
- Peterson, John T., Melrose Park, Ill. Carbureter. No. 1,233,503; July 17; v. 240; p. 717.
- Peterson, John W., and J. P. Quam, assignors to The Richardson-Phoenix Co., Milwaukee, Wis. Oil-filter. No. 1,239,512; Sept. 11; v. 242; p. 281.
- Peterson, Jonathan, Brooklyn, N. Y. Tobacco-pouch. No. 1,217,820; Feb. 27; v. 235; p. 1300.
- Peterson, Jonathan, Brooklyn, N. Y. Tobacco-pouch. No. 1,246,650; Nov. 13; v. 244; p. 482.
- Peterson, Jonathan, Brooklyn, N. Y. Machine for incising plug tobacco. No. 1,248,540; Dec. 4; v. 245; p. 32.
- Peterson, Jonathan, Brooklyn, N. Y., assignor to Combination Machine Company. Fiber-board container. No. 1,211,873; Jan. 9; v. 234; p. 548.
- Peterson, Jonathan, Brooklyn, N. Y., assignor to Combination Machine Company. Fiber-board container. No. 1,212,147; Jan. 9; v. 234; p. 642.
- Peterson, Jonathan, Brooklyn, N. Y., assignor to Combination Machine Company. Plug-tobacco. No. 1,217,496; Feb. 27; v. 235; p. 1188.
- Peterson, Jonathan, Brooklyn, N. Y., assignor to Combination Machine Company. Tobacco-pouch. No. 1,217,818; Feb. 27; v. 235; p. 1300.
- Peterson, Jonathan, Brooklyn, N. Y., assignor to Combination Machine Company. Waxed or paraffined sheet or web. No. 1,217,819; Feb. 27; v. 235; p. 1300.
- Peterson, Joseph E., assignor of one-half to C. A. Poole, Norwich, Conn. Gun-barrel-drilling machine. No. 1,211,621; Jan. 9; v. 234; p. 459.
- Peterson, Lars A., Stockholm, Sweden. Change-speed lever. No. 1,248,907; Dec. 4; v. 245; p. 141.
- Peterson, Lars A., and G. L. Andersson, Stockholm, Sweden. Chamfering the teeth of gears. No. 1,219,481; Mar. 20; v. 236; p. 620.
- Peterson, Lewis M., Grove City, Minn. Silo. No. 1,215,983; Feb. 13; v. 235; p. 564.
- Peterson, Nell, Whitewater, Colo. Child's saddle. No. 1,214,364; Jan. 30; v. 234; p. 1507.
- Peterson, Nellie K., Bisbee, Ariz. Skein-holder. No. 1,218,457; Mar. 6; v. 236; p. 197.
- Peterson, Ole R., Jackson, Minn. Grain-shocker. No. 1,214,215; Jan. 30; v. 234; p. 1453.
- Peterson, Oscar E., Brunswick, Nebr. Bag-holder. No. 1,214,064; Jan. 30; v. 234; p. 1404.
- Peterson, Otto W., Bertrand, Nebr. Automobile. No. 1,243,549; Oct. 16; v. 243; p. 727.
- Peterson, Peter, near Stavelly, assignor of one-half to W. Muckenhirr, Stavelly, Alberta, Canada. End-gate for grain tank-wagons. No. 1,224,319; May 1; v. 238; p. 73.
- Peterson, Samuel, Iron River, Mich. Curtain and shade holder. No. 1,227,194; May 22; v. 238; p. 1185.
- Peterson, Samuel, and L. C. Knackstedt, Annapolis, Md. Cooker. No. 1,228,816; June 5; v. 239; p. 151.
- Peterson, Theodore L., Brooklyn, N. Y. Gage-glass for steam-boilers. No. 1,227,305; May 22; v. 238; p. 1222.
- Peterson, Thorwald B. and W. C., assignors to E. H. Sprague Manufacturing Company, Omaha, Nebr. Motor-vehicle steering mechanism. No. 1,224,869; May 1; v. 238; p. 266.
- Peterson, Walter, Honey Creek, Iowa. Chain saw. No. 1,231,190; June 26; v. 239; p. 1068.
- Peterson, Wilford D. (See Morris, Frank L., assignor.)
- Peterson, Winford C. (See Peterson, Thorwald B. and W. C.)
- Peterson, Zeb J., and W. P. Wilson, Creston, Iowa. Mold for the manufacture of concrete-blocks. No. 1,247,573; Nov. 20; v. 244; p. 783.
- Pethel, John F., Boise, Idaho. Pedal-plate. No. 1,242,370; Oct. 9; v. 243; p. 326.
- Petit, Ademor N., deceased, Orange, N. J.; A. O. Petit, administrator, assignor to J. L. Lotseh, trustee, Brooklyn, N. Y. Record for talking-machines. No. 1,246,651; Nov. 13; v. 244; p. 482.
- Petit, Ademor N., deceased, Orange, N. J.; A. O. Petit, administrator, assignor to J. L. Lotseh, trustee, Brooklyn, N. Y. Cutting-tool for sound-recording machines. No. 1,246,652; Nov. 13; v. 244; p. 483.
- Petit, Albert O., administrator. (See Petit, Ademor N.)
- Petit, Eugene E., Charleston, S. C. Train-controller. No. 1,239,954; Sept. 11; v. 242; p. 423.
- Petitmaire, Felix H., New York, N. Y. Combined foot rest and heater. No. 1,246,153; Nov. 13; v. 244; p. 332.
- Petran, Charles, and C. G. Juncan, Milwaukee, Wis. Oil-burner. No. 1,230,912; June 19; v. 239; p. 702.
- Petrasek, Charles. (See Jacobs, Siegmund, assignor.)
- Petrelli, Joseph V., New Haven, Conn. Reversing mechanism. No. 1,239,213; Sept. 4; v. 242; p. 157.
- Petri-Palmedo, David, Bridgeport, Conn., assignor to Electric Compositor Company, New York, N. Y. Matrix-distributing mechanism. No. 1,221,088; Apr. 3; v. 237; p. 30.
- Petri-Palmedo, David, Bridgeport, Conn., assignor to Electric Compositor Company, New York, N. Y. Line-clamping mechanism for typographic machines. No. 1,234,082; July 17; v. 240; p. 902.
- Petri-Palmedo, David, Bridgeport, Conn., assignor to Electric Compositor Company, New York, N. Y. Typographical machine. No. 1,249,477; Dec. 11; v. 245; p. 333.
- Petric, Martin, Detroit, Mich. Horseshoe. No. 1,241,016; Sept. 25; v. 242; p. 822.
- Petrie, John A., New Haven, Conn. Electric hand-mirror. No. 1,216,724; Feb. 20; v. 235; p. 877.
- Petrie, John A., New Haven, Conn. Sand-wheel toy. No. 1,247,145; Nov. 20; v. 244; p. 661.
- Petrocchi, Michael, assignor to Rose Patch & Label Company, Grand Rapids, Mich. Label cutting and folding machine. No. 1,211,489; Jan. 9; v. 234; p. 413.
- Petroff, Grigori, Petrograd, Russia. Obtaining from paraffin, wax, fats, and resins, naphtha, and mineral oils, products dissoluble in water or forming with it colloidal solutions. No. 1,230,599; June 19; v. 239; p. 831.
- Petroff, Grigori, Petrograd, Russia, assignor to Twitshell Process Company, Cincinnati, Ohio. Treating mineral oils. No. 1,233,700; July 17; v. 240; p. 781.
- Petroleum Products Company. (See Felt, Willard O., assignor.)
- Petrusha, Frank J., Ironwood, Mich. Device for holding carpets. No. 1,216,602; Feb. 20; v. 235; p. 837.
- Petry, Nicholas A., Philadelphia, Pa. Muffler cut-out for motor-cars. No. 1,215,185; Feb. 6; v. 235; p. 245.
- Petryk, Nykola, Philadelphia, Pa. Smoke-consumer for locomotives. No. 1,243,214; Oct. 16; v. 243; p. 628.
- Petrzlika, Josef, Racine, assignor, by mesne assignments, to The Nash Motors Company, Kenosha, Wis. Wire-scat structure. No. 1,213,898; Jan. 30; v. 234; p. 1347.
- Pettengil, Ralph H., Haverhill, Mass. Shock-absorber. No. 1,219,035; Mar. 13; v. 236; p. 438.
- Petter, Ernest W., Yeovil, England. Means for controlling the supply of liquid fuel in internal-combustion engines. No. 1,249,478; Dec. 11; v. 245; p. 334.
- Petty, Geo. E., et al. (See Francis, Hugh, assignor.)
- Pettibone, James. (See Weikert and Pettibone.)
- Pettibone, Muliken Company. (See Strom, Eugene N., assignor.)
- Pettie, Adelbert W., Jr., Boston, Mass., assignor of one-half to C. N. Morgan, Troy, N. Y. Furnace dead-plate. No. 1,223,828; Apr. 24; v. 237; p. 1092.
- Pettigrew, John. (See More and Pettigrew.)
- Pettigrove, Allen H. (See Shertzer and Pettigrove.)
- Pettis, Henry E., Prosser, Wash. Ditching-plow. No. 1,232,838; July 10; v. 240; p. 464.
- Pettit, John H., Great Falls, Mont. Embroidery-holder. No. 1,242,972; Oct. 16; v. 243; p. 553.
- Pettit, Jonathan E., assignor of one-half to E. A. Strause, Los Angeles, Cal. Lubricant-injector. No. 1,232,076; July 3; v. 240; p. 183.
- Pettit, Lyman D., St. Joseph, Mich. Lubricating compound. No. 1,222,128; Apr. 10; v. 237; p. 424.
- Pettus, Robert M. (See Bowen and Pettus.)
- Petty, Christopher C., Miami, Fla. Railway-switch. No. 1,247,447; Nov. 20; v. 244; p. 748.
- Petty, Frances M., assignor of one-half to J. E. Simpson, Maud, Okla. Gate-latch. No. 1,213,899; Jan. 30; v. 234; p. 1347.
- Pettyjohn, George W., Woodbury, N. J. Convertible chair. No. 1,212,675; Jan. 16; v. 234; p. 862.
- Petz, William, Firth, Nebr. Engine. No. 1,242,855; Oct. 9; v. 243; p. 482.
- Peuch, Emile, Bourges, and A. Arbey, Beure, France. Apparatus for use as a clutching, coupling, or locking device and the like. No. 1,227,306; May 22; v. 238; p. 1222.
- Pewther, Judson C., Oswego, Oreg. Trap. No. 1,222,024; Apr. 10; v. 237; p. 389.
- Peyton, C. L. (See Thomas, Victor W., assignor.)
- Peyton, Isaac H., Centralia, Ill. Rail-joint. No. 1,247,146; Nov. 20; v. 244; p. 662.
- Peyton, Joseph I. (See Hitt and Peyton.)
- Pfacher, Richard, Charlotte, N. C., and I. Hechenbleikner, Great Falls, N. C., assignors to Southern Electro Chemical Company, Charlotte, N. C. Electric furnace for producing endothermic gas reactions. No. 1,249,479; Dec. 11; v. 245; p. 334.
- Pfaff, Henry C., Newark, N. J., assignor to Pfaff & Kendall, Columbia, Mo. No. 1,236,209; Aug. 7; v. 241; p. 220.
- Pfaff & Kendall. (See Pfaff, Henry C., assignor.)
- Pfahler, Soame E., Hopewell, Va. Concrete mixer and conveyor. No. 1,213,407; Jan. 23; v. 234; p. 1147.
- Pfahler, Soame E., Hopewell, Va. Conveyor-bucket. No. 1,213,408; Jan. 23; v. 234; p. 1148.
- Pfanschmidt, Edward C., Chicago, Ill. Avning. No. 1,231,786; July 3; v. 240; p. 84.
- Pfanstiehl, Carl A., Waukegan, Ill., assignor to Pfanstiehl Company. Electric furnace. No. 1,217,497; Feb. 27; v. 235; p. 1188.
- Pfanstiehl, Carl A., Waukegan, assignor to Pfanstiehl Company, North Chicago, Ill. Electric furnace. No. 1,218,582; Mar. 6; v. 236; p. 239.

- Pfanstiehl, Carl A., Waukegan, Ill., assignor to Pfanstiehl Company. Tungsten contact-point. No. 1,220,886; Mar. 27; v. 236; p. 1147.
- Pfanstiehl Company. (See Ellery, Robert L., assignor.)
- Pfanstiehl Company. (See Ellery, Robert L., assignor.) (Reissue.)
- Pfanstiehl Company. (See Pfanstiehl, Carl A., assignor.)
- Pfeffer, Frank, Chicago, Ill. Adjustable-support. No. 1,214,584; Feb. 6; v. 235; p. 35.
- Pfeifer, Ferdinand A., Springfield, Ohio. Mechanical horn. No. 1,239,036; Sept. 4; v. 242; p. 101.
- Pfeifer, Frederick W., St. Louis, Mo. Folding hod-stand. No. 1,213,409; Jan. 23; v. 234; p. 1148.
- Pfeifer, Leo L., assignor to The John W. Brown Manufacturing Company, Columbus, Ohio. Buffing or polishing machine. No. 1,233,701; July 17; v. 240; p. 781.
- Pfeifer, Leo L., assignor to The John W. Brown Manufacturing Company, Columbus, Ohio. Lamp-lens-retaining ring. No. 1,234,382; July 24; v. 240; p. 1037.
- Pfeifer, Leo L., assignor to The John W. Brown Manufacturing Company, Columbus, Ohio. Automobile-lamp. No. 1,238,564; Aug. 28; v. 241; p. 1080.
- Pfeifer, Leo L., assignor to The John W. Brown Manufacturing Co., Columbus, Ohio. Buffing and polishing machine. No. 1,246,996; Nov. 20; v. 244; p. 619.
- Pfeifer, Leo L., assignor to The John W. Brown Manufacturing Company, Columbus, Ohio. Trimming-machine. No. 1,248,394; Nov. 27; v. 244; p. 1050.
- Pfeifer, Allen E., Norwood, Mass. Polishing pad or device. No. 1,216,488; Feb. 20; v. 235; p. 796.
- Pfeifer, Allen E., Norwood, Mass. Manufacturing polishing pads or devices. No. 1,216,489; Feb. 20; v. 235; p. 796.
- Pfeiffer, Charles, assignor to The Allen-Bradley Company, Milwaukee, Wis. Electrical contact. No. 1,220,679; Mar. 27; v. 236; p. 1077.
- Pfeiffer, Charles G., and G. W. Parker, Jr., Philadelphia, Pa. Elevator. No. 1,212,396; Jan. 16; v. 234; p. 760.
- Pfeiffer, Fred B., Akron, Ohio. Gas-turbine. No. 1,210,831; Jan. 2; v. 234; p. 135.
- Pfeiffer, Fred B., Akron, Ohio. Tire-vulcanizer. No. 1,231,645; July 3; v. 240; p. 36.
- Pfeiffer, Isadore F., Altoona, Pa. Scale. No. 1,210,689; Jan. 2; v. 234; p. 108.
- Pfeiffer, Oscar J., Denver, Colo. Draft-regulating appliance. No. 1,210,529; Jan. 2; v. 234; p. 52.
- Pfeiffer, Otto G., St. Louis, Mo. Reversing-gearing for washing-machines. No. 1,211,221; Jan. 2; v. 234; p. 290.
- Pfeiffer, William H., Omaha, Nebr. Casket-holding means for hearses. No. 1,227,656; May 29; v. 238; p. 1366.
- Pfeil, Otto. (See Wuensch and Pfeil.)
- Pfister, John G., Syracuse, N. Y. Cotter-key. No. 1,244,076; Oct. 23; v. 243; p. 923.
- Pfister, Louis F., Brooklyn, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Roll-changer for web-printing presses. No. 1,250,217; Dec. 18; v. 245; p. 588.
- Pfianze, Charles F., St. Louis, Mo. Feeding and transferring mechanism. No. 1,230,771; June 19; v. 239; p. 887.
- Pfeeger, Raymond J., Deerfield, N. Y. Oil-pump. No. 1,238,939; Sept. 4; v. 242; p. 70.
- Pfeiderer, Walter, London, England. Refrigerating apparatus. No. 1,250,218; Dec. 18; v. 245; p. 589.
- Pflugfelder, Robert H., Chicago, Ill. Removing alcohol from liquors. No. 1,249,480; Dec. 11; v. 245; p. 335.
- Phare, John J., Cleveland, Ohio. Mop-holder. No. 1,211,485; Jan. 9; v. 234; p. 412.
- Pharis, Charlie M. (See Salter, Edmond A., assignor.)
- Pharo & Chapman. (See Pharo, Gordon C., assignor.)
- Pharo, Gordon C., Marysville, Cal. Auxiliary control for speed-governors. No. 1,250,219; Dec. 18; v. 245; p. 589.
- Pharo, Gordon C., Marysville, assignor to Pharo & Chapman, San Francisco, Cal. Pressure-operated apparatus. No. 1,222,984; Apr. 17; v. 237; p. 765.
- Pharo, Gordon C., Marysville, Cal., assignor to Pharo & Chapman. Pressure-operated apparatus. No. 1,222,985; Apr. 17; v. 237; p. 766.
- Pharo, Harry A., Wilkinsburg, and W. Schaafe, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Insulator. No. 1,249,820; Dec. 11; v. 245; p. 434.
- Phelps, Charles, Oskaloosa, Iowa. Sectional boiler-furnace. No. 1,242,856; Oct. 9; v. 243; p. 482.
- Phelps, Edward V., assignor to Improved Paper Machinery Company, Nashua, N. H. Felt-covered suction couch-cylinder. No. 1,241,272; Sept. 25; v. 242; p. 905.
- Phelps, Edwin P. (See Traub, Edward B., assignor.)
- Phelps, George L., Chicago, Ill., assignor to International Harvester Company of New Jersey. Corn husker and shredder. No. 1,226,365; May 15; v. 238; p. 869.
- Phelps, George L., Chicago, Ill., assignor to International Harvester Company of New Jersey. Corn husker and shredder. No. 1,242,973; Oct. 16; v. 243; p. 553.
- Phelps, George W., New York, N. Y. Binder. No. 1,223,103; Apr. 17; v. 237; p. 807.
- Phelps, Henry E., B. T. Kirk, and J. Comstock, Rifle, Colo. Advertising-machine. No. 1,239,037; Sept. 4; v. 242; p. 101.
- Phelps, James C. (See Curtis, Henry H., assignor.)
- Phelps, James C., Springfield, Mass. Terminal fitting for electric conduits. No. 1,224,320; May 1; v. 238; p. 74.
- Phelps, James C., assignor of one-half to H. H. Curtis, Springfield, Mass. Barrier-cut-out switch. No. 1,224,409; May 1; v. 238; p. 106.
- Phelps, Joseph. (See Farnham, Smith, and Phelps.)
- Phelps, Leonard A., assignor to Avery Company, Peoria, Ill. Clutch-tripping device. No. 1,248,704; Dec. 4; v. 245; p. 82.
- Pheney, Patrick A., Nampa, Idaho. Railway cattle-guard. No. 1,219,036; Mar. 13; v. 236; p. 438.
- Phenicie, Edward, assignor of one-half to F. P. Karns, Franklin, Pa. Clamp. No. 1,250,003; Dec. 11; v. 245; p. 486.
- Phifer, James S., Allentown, Pa., assignor to The American Steel and Wire Company of New Jersey, Hoboken, N. J. Bundling apparatus. No. 1,242,471; Oct. 9; v. 243; p. 358.
- Philadelphia Drying Machinery Company, The. (See Allsop and Gibson, assignors.)
- Philadelphia Drying Machinery Company, The. (See Sibson and Allsop, assignors.)
- Philadelphia Metal Drying Form Company. (See Von Stetten, Julius O., assignor.) (Reissue.)
- Philadelphia Storage Battery Company. (See Skinner, James M., assignor.)
- Philadelphia Textile Machinery Company, The. (See Palen, William D., assignor.)
- Philadelphia Textile Machinery Company, The. (See Palen and Coulston, assignors.)
- Philbin, James, Seattle, Wash. Portable sleeping-crib. No. 1,210,690; Jan. 2; v. 234; p. 109.
- Philbrick Cutter Head Company. (See Ross, Harry B., assignor.)
- Philbrook, Francis J., Brewer, Me. Air-inlet valve for internal-combustion engines. No. 1,246,458; Nov. 13; v. 244; p. 424.
- Phillip, Arnold, and L. J. Steele, Portsmouth, England. Detector of combustible gases. No. 1,224,321; May 1; v. 238; p. 74.
- Phillip Carey Manufacturing Company, The. (See Moeller, William J., assignor.)
- Phillip Carey Manufacturing Company, The. (See Steffens, Walter L., assignor.)
- Phillip Carey Mfg. Co., The. (See Foster, Frank L., assignor.)
- Phillip, George, North Chicago, Ill. Window-washing appliance. No. 1,212,255; Jan. 16; v. 234; p. 711.
- Phillip, Morris, New York, N. Y. Bloomer-skirt. No. 1,250,004; Dec. 11; v. 245; p. 486.
- Phillip, Robert, Bofors, Sweden. Candlestick. No. 1,229,132; June 5; v. 239; p. 255.
- Phillip Strobel & Sons. (See Brown, Harlow R., assignor.)
- Philipp, Herbert. (See Foersterling and Philipp.)
- Philipp, Herbert. (See Foersterling, Philipp, and Sargent.)
- Philipp, Herbert, Perth Amboy, N. J., assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Removing carbonic-acid gas from nitrogen gas. No. 1,239,516; Sept. 11; v. 242; p. 282.
- Philipp, Herbert, and H. Foersterling, Perth Amboy, N. J. Making cyanogen compounds. No. 1,249,821; Dec. 11; v. 245; p. 434.
- Philippi, Theodore F., East St. Louis, Ill. Grinding or polishing machine. No. 1,219,037; Mar. 13; v. 236; p. 439.
- Philippi, Theodore F., East St. Louis, Ill. Machining apparatus. No. 1,219,038; Mar. 13; v. 236; p. 439.
- Philippson, Joseph E., St. Evariste de Forsyth, Quebec, Canada. Pipe-thawing apparatus. No. 1,243,973; Oct. 23; v. 243; p. 893.
- Philippson, Mathew J., assignor of one-half to H. L. Hills, Detroit, Mich. Water-tight hinge-joint. No. 1,247,715; Nov. 27; v. 244; p. 859.
- Philips-Brinton Company. (See Brinton, William C., Jr., assignor.)
- Philips-Brinton Company. (See Brown and Brinton, assignors.)
- Philips, Herman B., assignor to R. S. Philips, New York, N. Y. Therapeutic apparatus. No. 1,213,001; Jan. 16; v. 234; p. 974.
- Philips, Ralph S. (See Philips, Herman B., assignor.)
- Philippi, Frank A., assignor to A. R. May and D. L. Evans, trustees, Pottstown, Pa. Cooler. No. 1,234,083; July 17; v. 240; p. 902.
- Philippie, Webster M., Newbern, N. C. Machine for folding paper. No. 1,222,459; Apr. 10; v. 237; p. 542.
- Phillips, Louis F., Columbus, Nebr. Shrub and plant holder. No. 1,218,115; Mar. 6; v. 236; p. 80.
- Phillips, Albanus, Cambridge, Md. Construction of oyster-shucking establishments. No. 1,217,821; Feb. 27; v. 235; p. 1301.
- Phillips, Andrew, Conemaugh, Pa. Reversible rotary steam-engine. No. 1,215,984; Feb. 13; v. 235; p. 565.
- Phillips, Bertram L., Brockley, London, England. Animal-trap. No. 1,213,248; Jan. 23; v. 234; p. 1092.
- Phillips, Dave T., Celina, Tex. Earth-auger. No. 1,222,460; Apr. 10; v. 237; p. 543.
- Phillips, David, Daytona, Fla. Fruit-seeder. No. 1,212,101; Jan. 9; v. 234; p. 625.
- Phillips, David G., Macon, Ga. Line-clamp for fishing-floats. No. 1,232,390; July 3; v. 240; p. 283.
- Phillips, E. H. (See Hard, Raymond E., assignor.)

Alphabetical list of patentees—Continued.

- Phillips, Edmund M., Lynn, Mass., assignor to General Electric Company. Centrifugal compressor. No. 1,250,005; Dec. 11; v. 245; p. 486.
- Phillips, Edward S. J., New York, N. Y. Fender for ships' piers. No. 1,210,832; Jan. 2; v. 234; p. 155.
- Phillips, Eli W., assignor to American Tool & Machine Company, Boston, Mass. Means for mounting and driving centrifugal machines. No. 1,242,857; Oct. 9; v. 243; p. 482.
- Phillips, Ellis J. G., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Means for suspending sliding doors. No. 1,213,249; Jan. 23; v. 234; p. 1092.
- Phillips, Elsie S. (See Teven, Louis, assignor.)
- Phillips, Francis W., Worsop, England. Direction-finder and the like. No. 1,213,534; Jan. 23; v. 234; p. 1192.
- Phillips, Frank H., Cleveland, Tenn., assignor to G. D. Andrews. Excelsior-machine. No. 1,237,378; Aug. 21; v. 241; p. 665.
- Phillips, George B., assignor of one-third to S. S. Lawson and one-third to W. M. Myers, Lima, Ohio. Rivet. No. 1,228,239; May 29; v. 238; p. 1563.
- Phillips, George B., Lima, assignor of one-fourth to A. W. Wheatley, Shawnee township, one-fourth to W. A. Austin, and one-fourth to W. H. Myers, Lima, Ohio. Locomotive-pilot. No. 1,225,353; May 8; v. 238; p. 483.
- Phillips, Gerard J., and L. A. Keller, Sydney, New South Wales, Australia. Davit and means for holding and releasing ships' boats, rafts, and the like. No. 1,210,530; Jan. 2; v. 234; p. 53.
- Phillips, Gerard J., and L. A. Keller, London, England. Stowing and transference of boats on board ship. No. 1,239,821; Sept. 11; v. 242; p. 381.
- Phillips, Harvey E., Detroit, Mich., assignor to The Dayton Engineering Laboratories Co. Binding-post. No. 1,249,481; Dec. 11; v. 245; p. 335.
- Phillips, Ida M. (See Phillips, Ross M. G., assignor.)
- Phillips, Isaac J., Philadelphia, Pa. Means for fixing a wheel on a shaft. No. 1,237,950; Aug. 21; v. 241; p. 847.
- Phillips, Jacob P., Yantley, Ala. Shoe and other fastener. No. 1,219,482; Mar. 20; v. 236; p. 620.
- Phillips, James A., Drumright, Okla. Cable-socket. No. 1,238,811; Sept. 4; v. 242; p. 29.
- Phillips, James B., Portland, Me. Coal handling and storing apparatus. No. 1,216,603; Feb. 20; v. 235; p. 837.
- Phillips, James B., Portland, Me. Hoisting mechanism. No. 1,216,604; Feb. 20; v. 235; p. 838.
- Phillips, John, assignor of one-half to R. Phillips, St. Louis, Mo. Combined boiler stand and fitting. No. 1,246,459; Nov. 13; v. 244; p. 425.
- Phillips, John E., Sherman, Tex. Vapor-condensing apparatus. No. 1,246,154; Nov. 13; v. 244; p. 332.
- Phillips, John H., Jr., assignor to Phillips Metallic Hose Co., Jackson, Mich. Flexible pipe-joint. No. 1,220,270; Mar. 27; v. 236; p. 933.
- Phillips, John W., Hendon, England. Apparatus for enabling internal-combustion engines to be readily started. No. 1,214,365; Jan. 30; v. 234; p. 1507.
- Phillips, Lannes W., and L. B. Haines, San Antonio, Tex. Feed guide or gage for printing-presses. No. 1,250,006; Dec. 11; v. 245; p. 487.
- Phillips, Marcus, Chicago, Ill. Curtain-stretcher. No. 1,216,725; Feb. 20; v. 235; p. 878.
- Phillips, Mary, *et al.* (See Nelson, Robert M., assignor.)
- Phillips Metallic Hose Co. (See Phillips, John H., Jr., assignor.)
- Phillips Mine and Mill Supply Co. (See Fleming, John J., assignor.)
- Phillips, Newton E., assignor of one-half to C. L. Churchill and one-sixth to R. O. Hamill, Shelby, Mich. Oil-burner. No. 1,230,772; June 19; v. 239; p. 887.
- Phillips, Paul D., assignor to Benjamin Electric Mfg. Company, Chicago, Ill. Attachment-plug. No. 1,236,210; Aug. 7; v. 241; p. 220.
- Phillips, Robert. (See Phillips, John, assignor.)
- Phillips, Ross M. G., assignor of one-half to I. M. Phillips, West Haven, Conn. Inclusive watch-holder. No. 1,229,182; June 5; v. 239; p. 271.
- Phillips, Ross M. G., West Haven, assignor to The Sentinel Mfg. Co., New Haven, Conn. Gas-furnace. No. 1,237,090; Aug. 14; v. 241; p. 536.
- Phillips, Ross M. G., West Haven, assignor to The Sentinel Mfg. Co., New Haven, Conn. Timing mechanism. No. 1,239,955; Sept. 11; v. 242; p. 423.
- Phillips, Russell A., Richmond, Va. Car-door. No. 1,219,863; Mar. 20; v. 236; p. 754.
- Phillips, Thomas E., Bonne Terre, Mo. Spout attachment for dispensing apparatus. No. 1,218,695; Mar. 13; v. 236; p. 317.
- Phillips, Walter, and H. W. Allingham, London, England, assignors to Morse Chain Company, Ithaca, N. Y. Change-speed gearing. No. 1,225,851; May 15; v. 238; p. 692.
- Phillips, Walter R., Kansas City, Mo. Mattress-roll former and filler. No. 1,230,922; June 26; v. 239; p. 975.
- Phillips, Walter R., Kansas City, Mo. Mattress-making apparatus. No. 1,244,773; Oct. 30; v. 243; p. 1173.
- Phillips, Walter W., London, England. India-rubber pad for the soles and heels of boots and shoes. No. 1,214,065; Jan. 30; v. 234; p. 1405.
- Phillips, William, *et al.* (See Gault, Joseph P., assignor.)
- Phillips, William A., Philadelphia, Pa., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Apparatus for drying powder. No. 1,232,839; July 10; v. 240; p. 464.
- Phillips, William A., Philadelphia, Pa., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Drying explosives. No. 1,237,551; Aug. 21; v. 241; p. 721.
- Phillips, William T., Tampa, Fla. Roach-trap. No. 1,250,007; Dec. 11; v. 245; p. 487.
- Philp, Frederick D., Royal Oak, assignor of one-half to A. A. Templeton, Detroit, Mich. Manufacturing rubber heels or soles. No. 1,230,510; June 19; v. 239; p. 800.
- Philp, Norman L., *et al.* (See Davidson, Ira M., assignor.)
- Philpot, Brian F., Orange, assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Molding phonograph-records. No. 1,248,541; Dec. 4; v. 245; p. 33.
- Phinney, Edgar E., assignor to Monroe Calculating Machine Company, New York, N. Y. Carrying mechanism for calculating-machines. No. 1,215,186; Feb. 6; v. 235; p. 245.
- Phinney, Edgar E., assignor to Monroe Calculating Machine Company, New York, N. Y. Means to prevent reverse movement in calculating-machines. No. 1,215,187; Feb. 6; v. 235; p. 246.
- Phinney, Edgar E., assignor to Monroe Calculating Machine Company, New York, N. Y. Calculating-machine. No. 1,220,545; Mar. 27; v. 236; p. 1032.
- Phinney Engineering Company, The. (See Killingsworth, Wilber, assignor.)
- Phinney, Willis E., Coldwater, Mich. Artificial bait. No. 1,239,956; Sept. 11; v. 242; p. 423.
- Phinney, Willis E., and S. O. Larrabee, Coldwater, Mich. Artificial bait. No. 1,239,957; Sept. 11; v. 242; p. 424.
- Phinous, James M., Pamplin, Va., assignor to W. H. Davis, Havaco, W. Va. Switch. No. 1,221,585; Apr. 3; v. 237; p. 205.
- Phonoharp Company, The. (See Audet, Francis X., assignor.)
- Phonoharp Company, The. (See Copeland, William A., assignor.)
- Phonoharp Company, The. (See Marx, Henry C., assignor.)
- Photo Motion Company. (See Clark, Edwin W., assignor.)
- Photo Motion Company. (See Coffman, Samuel M., assignor.)
- Pian, John D., Detroit, Mich. Device for spraying powder and liquid. No. 1,241,437; Sept. 25; v. 242; p. 953.
- Pianarosa, Louis J., Trenton, N. J. Resilient tool-rest. No. 1,245,020; Oct. 30; v. 243; p. 1247.
- Piazza, Celso, Marseille, France. Ice-chest or refrigerator. No. 1,210,833; Jan. 2; v. 234; p. 156.
- Piazza, Lorenzo, Rochester, N. Y. Skin-headed musical instrument. No. 1,235,239; July 31; v. 240; p. 1337.
- Picard, Albert O., Chicago, Ill. Switch operating mechanism. No. 1,238,189; Aug. 28; v. 241; p. 958.
- Picard, Alphonse A., New York, N. Y. Tooth-brush. No. 1,219,147; Mar. 13; v. 236; p. 476.
- Picard, Alphonse A., New York, N. Y. Brush. No. 1,241,881; Oct. 2; v. 243; p. 132.
- Picard, Sidney L., assignor of one-half to A. P. Chambe, Detroit, Mich. Carbureter. No. 1,238,812; Sept. 4; v. 242; p. 29.
- Pichoud, Jean, New York, N. Y. Gas-engine. No. 1,238,190; Aug. 28; v. 241; p. 958.
- Piciculi, Donato, New York, N. Y. Device for cutting spaghetti. No. 1,217,341; Feb. 27; v. 235; p. 1131.
- Pick, Hugo. (See Carlson and Pick.)
- Pick, Paul, Chicago, Ill. Protector of fabrics against moths and the like and making the same. No. 1,216,356; Feb. 20; v. 235; p. 748.
- Pick, Samuel. (See Taylor, Isaac F., assignor.)
- Pick, William, New York, N. Y. Circuit-controlling telephone-receiver support. No. 1,222,986; Apr. 17; v. 237; p. 766.
- Pickard, Ben T. (See Hall, Benjamin K., assignor.)
- Pickard, Charles E., Northcote, Victoria, Australia. Stove attachment for economizing heat. No. 1,245,122; Oct. 30; v. 243; p. 1278.
- Pickard, Clarkson E., and E. L. Condon, Marshalltown, Iowa. Combined balance and leveling hinge for piano-keys. No. 1,246,997; Nov. 20; v. 244; p. 620.
- Pickard, Clarkson E., and E. L. Condon, Marshalltown, Iowa. Demountable leveling-hinge for piano-keys. No. 1,246,998; Nov. 20; v. 244; p. 620.
- Pickard, Greenleaf W., Amesbury, Mass., assignor to Wireless Specialty Apparatus Company, New York, N. Y. Means for receiving intelligence communicated by electric waves. No. 1,213,250; Jan. 23; v. 234; p. 1093.
- Pickard, Greenleaf W., Amesbury, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Radio telegraphy and telephony receiver. No. 1,224,499; May 1; v. 238; p. 137.
- Pickard, Greenleaf W., Amesbury, Mass., assignor to Wireless Specialty Apparatus Company, New York, N. Y. Rectifier. No. 1,225,852; May 15; v. 238; p. 693.
- Pickard, Greenleaf W., Amesbury, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Radio telegraphy and telephony receiver. No. 1,245,266; Nov. 6; v. 244; p. 37.

- Pickard, Greenleaf W., Amesbury, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Radio telegraphy and telephony receiver. No. 1,245,267; Nov. 6; v. 244; p. 37.
- Pickard, Greenleaf W., Amesbury, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Radio telegraphy and telephony receiver. No. 1,249,482; Dec. 11; v. 245; p. 335.
- Pickard, William. (See Skelton and Pickard.)
- Pickard, William, Philadelphia, Pa. Heddle. No. 1,235,376; July 31; v. 240; p. 1379.
- Pickée, Daniel. (See Rücker and Pickée.)
- Pickens, Sale A., New York, N. Y. Automobile-door. No. 1,223,903; Apr. 24; v. 237; p. 1118.
- Pickering, Byron, Kissimmee, Fla. Trap. No. 1,217,056; Feb. 20; v. 235; p. 989.
- Pickering, Byron, Kissimmee, Fla. Vehicle-brake. No. 1,217,057; Feb. 20; v. 235; p. 989.
- Pickering, Edwin G., Montgomery county, near Dayton, Ohio. Identifying mailing-card. No. 1,221,903; Apr. 10; v. 237; p. 347.
- Pickering, Edwin G., Montgomery county, near Dayton, Ohio. Identifying-card. No. 1,228,817; June 5; v. 239; p. 151.
- Pickering, Edwin G., near Dayton, Ohio. Identifying-card. No. 1,245,615; Nov. 6; v. 244; p. 144.
- Pickering, Edwin G., near Dayton, Ohio. Identifying-card. No. 1,246,653; Nov. 13; v. 244; p. 483.
- Pickering, George, Dover, Del. Wheel. No. 1,223,829; Apr. 24; v. 237; p. 1093.
- Pickering, Oscar W., Springfield, Mass., assignor to Pickering Paint and Pigment Company. Magnesium-containing pigment and paint. No. 1,211,346; Jan. 2; v. 234; p. 332.
- Pickering Paint and Pigment Company. (See Pickering, Oscar W., assignor.)
- Pickett, David C., Canton, Ill. Shock-absorber. No. 1,241,438; Sept. 25; v. 242; p. 953.
- Pickett, David M., Detroit, Mich. Engine-starting mechanism. No. 1,237,552; Aug. 21; v. 241; p. 721.
- Pickett, George F., Brooklyn, N. Y. Shaft for paper-rolls. No. 1,223,104; Apr. 17; v. 237; p. 807.
- Pickles, James, assignor to S. O. & C. Co., Ansonia, Conn. Setting-dies. No. 1,218,801; Mar. 13; v. 236; p. 357.
- Pickop, George B. (See Voight and Pickop.)
- Pickop, George B., New Haven, assignor to Malleable Iron Fittings Company, Branford, Conn. Bung-ring or spud. No. 1,211,486; Jan. 9; v. 234; p. 413.
- Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Combined gas burner and lighter. No. 1,233,702; July 17; v. 240; p. 782.
- Pico, Albert P. F., Kansas City, Mo. Roll-holder. No. 1,217,211; Feb. 27; v. 235; p. 1088.
- Pictet, Raoul P., Wilmersdorf, near Berlin, Germany. Manufacturing of carbon monoxid and hydrogen. No. 1,228,818; June 5; v. 239; p. 151.
- Pictet, Raoul P., Paris, France. Fusing ores. No. 1,230,431; June 19; v. 239; p. 773.
- Pidgeon, Clifford H., Columbus, Ohio. Cultivator. No. 1,225,853; May 15; v. 238; p. 693.
- Pidgin, Charles F., Winthrop, Mass., assignor of six-tenths to H. A. Johnston, Riverdale, Md. Motion-picture and producing the same. No. 1,240,774; Sept. 18; v. 242; p. 713.
- Piel, Gottfried. (See Brown, Horace H., assignor.)
- Piel, Gottfried. (See Halterbeck, John, assignor.)
- Piel, Gottfried. (See Long, George F., assignor.)
- Piel, Herman G., Indianapolis, Ind. Window-cleaner. No. 1,248,395; Nov. 27; v. 244; p. 1050.
- Pieper, Alphonse F. (See Pieper, Oscar H. and A. F.)
- Pieper, Chester R., La Crosse, Wis. Pulley mechanism. No. 1,233,601; July 17; v. 240; p. 751.
- Pieper, Chester R., La Crosse, Wis. Earth-anchor. No. 1,250,350; Dec. 18; v. 245; p. 628.
- Pieper, Ferdinand J., assignor to E. B. Flynn, Alton, Ill. Floor-cutting tool. No. 1,234,690; July 24; v. 240; p. 1134.
- Pieper, Oscar H. and A. F., Rochester, N. Y. Electric controlling mechanism. No. 1,211,752; Jan. 9; v. 234; p. 503.
- Pieper, Oscar H. and A. F., Rochester, N. Y. Controlling mechanism for fluid-compressors. No. 1,220,546; Mar. 27; v. 236; p. 1032.
- Pieper, Oscar H. and A. F., Rochester, N. Y. Insulated pipe-joint. No. 1,230,213; June 19; v. 239; p. 702.
- Pieper, Oscar H. and A. F., Rochester, N. Y. Support for valve-housings. No. 1,230,214; June 19; v. 239; p. 702.
- Pieprags, Herman J., Caldwell, Idaho. Grain-polishing machine. No. 1,240,775; Sept. 18; v. 242; p. 713.
- Pierce-Arrow Motor Car Company, The. (See Sheppy, Charles L., assignor.)
- Pierce, Butler & Pierce Manufacturing Corporation. (See Butler and Greeley, assignors.)
- Pierce, Charles F., Webb City, and S. C. Byrd, Cartersville, Mo. Grate-cleaner. No. 1,217,342; Feb. 27; v. 235; p. 1131.
- Pierce, Clyde E., Detroit, Mich. Tire-tool. No. 1,237,553; Aug. 21; v. 241; p. 721.
- Pierce, Edwin R., Brooklyn, N. Y. Book-sewing machine. No. 1,219,997; Mar. 20; v. 236; p. 800.
- Pierce, Frank C., Campbird, Colo. Insulator. No. 1,213,002; Jan. 16; v. 234; p. 975.
- Pierce, Frank M. (See Pierce, William B. and F. M.)
- Pierce, Frank M., assignor to Pierce Wrapping Machine Company, Chicago, Ill. Paper-carrier for wrapping-machines. No. 1,221,089; Apr. 3; v. 237; p. 30.
- Pierce, Frank M., assignor to Pierce Wrapping Machine Company, Chicago, Ill. Guiding device for wrapping-machines. No. 1,237,810; Aug. 21; v. 241; p. 802.
- Pierce, Frank M., assignor to Pierce Wrapping Machine Company, Chicago, Ill. Adjusting mechanism for wrapping-machines. No. 1,237,811; Aug. 21; v. 241; p. 803.
- Pierce, Frank M., assignor to Pierce Wrapping Machine Company, Chicago, Ill. Shuttle-lock. No. 1,242,371; Oct. 9; v. 243; p. 327.
- Pierce, Frank M., Chicago, Ill., assignor to Pierce Wrapping Machine Company. Folder device for wrapping-machines. No. 1,244,541; Oct. 30; v. 243; p. 1102.
- Pierce, George F., Chicago, Ill. Furnace-grate. No. 1,239,717; Sept. 11; v. 242; p. 348.
- Pierce, George L. (See Pierce, Lillian M., assignor.)
- Pierce, George L., Brooklyn, assignor to A. G. Spalding & Bros., New York, N. Y. Protected stocking or the like. No. 1,225,354; May 8; v. 238; p. 484.
- Pierce, George L., Brooklyn, assignor to A. G. Spalding & Bros., New York, N. Y. Golf-bag. No. 1,227,657; May 29; v. 238; p. 1367.
- Pierce, George L., Brooklyn, assignor to A. G. Spalding & Bros., New York, N. Y. Shoe-sole. No. 1,242,233; Oct. 9; v. 243; p. 284.
- Pierce-Hammond Automatic Sprinkler & Heating Company. (See Hammond, Wilberforce B., assignor.)
- Pierce, Harold S., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Means for lubricating chain drives. No. 1,231,424; June 26; v. 239; p. 1146.
- Pierce, Harold S., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Automatic take-up for drive-chains. No. 1,232,391; July 3; v. 240; p. 234.
- Pierce, Harold S., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Equalizing-gear. No. 1,248,396; Nov. 27; v. 244; p. 1051.
- Pierce, Harry H., assignor of one-tenth to J. Keay, Indianapolis, Ind. Plastic composition. No. 1,245,021; Oct. 30; v. 243; p. 1247.
- Pierce, Henrietta K. (See Wales, Enid S., assignor.)
- Pierce, Henrietta W. K. (See Wales, Enid S., assignor.)
- Pierce, James L., Manila, Philippine Islands. Furnace and evaporator. No. 1,228,240; May 29; v. 238; p. 1563.
- Pierce, James W., Darby, Mont. Head-lamp control. No. 1,237,951; Aug. 21; v. 241; p. 847.
- Pierce, Lillian M., assignor of one-half to G. L. Pierce, New York, N. Y. Adjustable stool for baby-carriages. No. 1,213,251; Jan. 23; v. 234; p. 1093.
- Pierce, Lincoln, Tucson, Ariz. Diving-boat. No. 1,223,730; Apr. 24; v. 237; p. 1057.
- Pierce, Lyman Z., Macksville, Kans. Whiffletree-iron. No. 1,228,965; June 5; v. 239; p. 199.
- Pierce, Maurice C., Madison, Wis. Combination telephone attachment. No. 1,251,098; Dec. 25; v. 245; p. 900.
- Pierce, Robert C., Cincinnati, Ohio, assignor, by mesne assignments, to Thomson Electric Welding Company, Lynn, Mass. Electric welding machine. No. 1,235,524; July 31; v. 240; p. 1423.
- Pierce, Ross O., Michigan City, Ind. Book-mark. No. 1,229,516; June 12; v. 239; p. 434.
- Pierce, Roy, Upland, Ind. Gate. No. 1,250,648; Dec. 18; v. 245; p. 716.
- Pierce, Roy J., Sheridan township, Cherokee county, Iowa. Wind-shield for motor-cycles. No. 1,232,966; July 10; v. 240; p. 507.
- Pierce, Simeon F., St. Paul, Minn. Gas-burner. No. 1,242,234; Oct. 9; v. 243; p. 284.
- Pierce, William B. and F. M., assignors to Pierce Wrapping Machine Company, Chicago, Ill. Paper-folder. No. 1,237,812; Aug. 21; v. 241; p. 803.
- Pierce, William R. (See Wales, Nathaniel B., assignor.)
- Pierce, William R., Detroit, Mich., assignor to Dash Vision Gauge Corporation, New York, N. Y. Dash-vision tank-gage. No. 1,236,347; Aug. 7; v. 241; p. 260.
- Pierce Wrapping Machine Company. (See Pierce, Frank M., assignor.)
- Pierce Wrapping Machine Company. (See Pierce, William B. and F. M., assignors.)
- Pierce Wrapping Machine Company. (See Stevens, William C., assignor.)
- Pierle, Henry C. (See Groene and Pierle.)
- Pierman, Alexander N., Newark, assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Phonograph-reproducer. No. 1,211,874; Jan. 9; v. 234; p. 549.
- Pierman, Alexander N., Newark, assignor to New Jersey Patent Company, West Orange, N. J. Phonograph. No. 1,231,061; June 26; v. 239; p. 1024.
- Piernay, Walter, assignor to Stettiner Chamotte-Fabrik Action-Gesellschaft Vormals Dider, Stettin, Germany. Furnace for burning refuse. No. 1,211,875; Jan. 9; v. 234; p. 549.
- Pierpont, J. J. (See Lewis, Thomas H., assignor.)
- Piersen, Edwin H., Topeka, Kans. Telegraph-transmitter. No. 1,224,956; May 8; v. 238; p. 347.
- Pierson, Lee H., and H. C. Willitz, Janesville, Wis. Lightning-arrester for telephones. No. 1,222,461; Apr. 10; v. 237; p. 543.
- Pierson, Ludvig B., Potect, Tex. Silo construction. No. 1,212,397; Jan. 16; v. 234; p. 761.

Alphabetical list of patentees—Continued.

- Pierson, Paul, Chicago, Ill. Machine for making cigar-bands. No. 1,250,008; Dec. 11; v. 245; p. 487.
- Pierson, Paul M. (See Hochstetter, Frederick W., assignor.)
- Pierson, Roscoe W., and T. F. Briody, Kansas City, Mo. Automobile-body. No. 1,242,035; Oct. 2; v. 243; p. 180.
- Pierson, Roy, *et al.* (See Powell, George E., assignor.)
- Pierson, Thomas H., New York, N. Y. Meter. No. 1,229,514; June 12; v. 239; p. 434.
- Plesch, Karl H., New Orleans, La. Aeroplane. No. 1,250,649; Dec. 18; v. 245; p. 717.
- Pleser, Isaac, *et al.* (See Redd, Charlie, assignor.)
- Pietrobono, Angelo, Riverside, Conn. Hand-mower. No. 1,228,045; May 29; v. 238; p. 1500.
- Pietz, Henry G., Tripp, S. D. Pitchfork attachment. No. 1,245,162; Nov. 6; v. 244; p. 6.
- Pietzsch, Richard H., assignor to Cino Camera Company, Philadelphia, Pa. Motion-picture apparatus. No. 1,224,500; May 1; v. 238; p. 138.
- Pietzsch, Richard H., Philadelphia, Pa., and W. Hurleman, Camden, N. J. Mechanical movement. No. 1,231,062; June 26; v. 239; p. 1025.
- Piez, Charles, assignor to Link-Belt Company, Chicago, Ill. Conveying system. No. 1,235,240; July 31; v. 240; p. 1337.
- Pifer, George N., assignor, by mesne assignments, to F. E. Stewart, trustee, Cleveland, Ohio. Coin-controlling mechanism for automatic photographing-machines. No. 1,229,515; June 12; v. 239; p. 434.
- Pigache, Charles E. (See Pigache, Pierre and C. E.)
- Pigache, Pierre and C. E., Paris, France. Trolley-pole-positioning mechanism. No. 1,219,769; Mar. 20; v. 236; p. 720.
- Pigeon, Albert M., assignor to Pigeon Machine Company, Philadelphia, Pa. Circular fashioning knitting-machine. No. 1,213,003; Jan. 16; v. 234; p. 975.
- Pigeon, Albert M., assignor to Pigeon Machine Company, Philadelphia, Pa. Picker mechanism and controlling-cam for knitting-machines. No. 1,247,324; Nov. 20; v. 244; p. 712.
- Pigeon, Albert M., assignor to Wildman Mfg. Co., Norristown, Pa. Knitting-machine. No. 1,213,004; Jan. 16; v. 234; p. 975.
- Pigeon, Albert M., assignor to Wildman Mfg. Co., Norristown, Pa. Needle-cylinder for knitting-machines. No. 1,220,887; Mar. 27; v. 236; p. 1147.
- Pigeon, Albert M., assignor to Wildman Mfg. Co., Norristown, Pa. Needle-carrier for knitting-machines. No. 1,230,322; June 19; v. 239; p. 738.
- Pigeon, Albert M., assignor to Wildman Mfg. Co., Norristown, Pa. Spring-beard needle. No. 1,230,323; June 19; v. 239; p. 738.
- Pigeon, Albert M., assignor to Wildman Mfg. Co., Norristown, Pa. Knitting-machine. (Reissue.) No. 14,369; Sept. 25; v. 242; p. 971.
- Pigeon Machine Company. (See Pigeon, Albert M., assignor.)
- Piggot, Graham H., assignor to Federal Steel Fixture Company, Chicago, Ill. Locker system. No. 1,245,022; Oct. 30; v. 243; p. 1247.
- Pignone, Emanuel, New York, N. Y. Folding-machine. No. 1,213,900; Jan. 30; v. 234; p. 1347.
- Pigott, Reginald J. S., Bridgeport, Conn., assignor of one-half to C. F. Dixon, Buffalo, N. Y. Pressure or vacuum controlled tripping mechanism. No. 1,210,979; Jan. 2; v. 234; p. 208.
- Pigott, William, Santa Barbara, Cal. Dust-pan. No. 1,223,105; Apr. 17; v. 237; p. 807.
- Piguet, Alfred, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Treating organic compounds by electrolysis. No. 1,225,052; May 8; v. 238; p. 379.
- Piguet, Alfred, E. Steinbuch, and R. Stocker, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of aromatic amino-oxy-compounds. No. 1,239,822; Sept. 11; v. 242; p. 381.
- Pike, Charles F. (See Bradley and Pike.)
- Pike, Harry A. (See Stegmayer, Charles, assignor.)
- Pike, Irwin D., assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Phonograph. No. 1,242,858; Oct. 9; v. 243; p. 483.
- Pike, John J. (See Winfrey and Pike.)
- Pike, Robert D., San Francisco, Cal. Grinding-machine. No. 1,212,552; Jan. 16; v. 234; p. 816.
- Pike, Robert D., San Francisco, Cal. Carbon electrode and manufacturing same. No. 1,215,700; Feb. 13; v. 235; p. 464.
- Pike, Robert D., San Francisco, Cal. Magnetic separator. No. 1,233,804; July 17; v. 240; p. 813.
- Pike, Robert D., San Francisco, Cal. Package. No. 1,236,977; Aug. 14; v. 241; p. 500.
- Pike, William H., Jr., South Orange, N. J., assignor, by mesne assignments, to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,223,329; Apr. 17; v. 237; p. 881.
- Pillblad, Eric J., assignor to Imperial Typewriter Company, Limited, Leicester, England. Rotatable contact-breaker for magnetos and other purposes. No. 1,241,273; Sept. 25; v. 242; p. 905.
- Pilchard, William W., Bethany, assignor of one-half to C. Jobs, Wheeling, W. Va. Lock-strike. No. 1,250,650; Dec. 18; v. 245; p. 717.
- Pilcher, Frank A., assignor of one-third to M. C. Beman and one-third to F. Beman, Binghamton, N. Y. Automatic musical instrument. No. 1,224,783; May 1; v. 238; p. 236.
- Pilcher, John A., Roanoke, Va. Car-truck bolster. No. 1,213,252; Jan. 23; v. 234; p. 1094.
- Pilcher, John A., Roanoke, Va. Locomotive-tender-tank feeder. No. 1,241,439; Sept. 25; v. 242; p. 954.
- Pilcher, John A., Roanoke, Va. Brake-lever for car-trucks. No. 1,241,440; Sept. 25; v. 242; p. 954.
- Pilcher, John A., Roanoke, Va. Brake-lever for car-trucks. No. 1,241,441; Sept. 25; v. 242; p. 954.
- Pilcher, John V., Louisville, Ky. Button. No. 1,226,692; May 22; v. 238; p. 1012.
- Pilcher, John V., Louisville, Ky. Button. (Reissue.) No. 14,342; Aug. 7; v. 241; p. 274.
- Pile, John R., assignor to International Farm Implement Company, Owensboro, Ky. Road-grader. No. 1,249,187; Dec. 4; v. 245; p. 219.
- Pilger, Adolf, Marshwood, Pa. Device for indicating the proximity of icebergs. No. 1,247,325; Nov. 20; v. 244; p. 712.
- Pilger, Adolf, Marshwood, Pa. Match-box. No. 1,248,908; Dec. 4; v. 245; p. 141.
- Piliikian, Henry. (See Hovhannesian, Kricor, assignor.)
- Pilkington, Joseph H., Waterbury, Conn. Hose-supporter. No. 1,250,499; Dec. 18; v. 245; p. 672.
- Pilkington, Robert G., Chicago, Ill., assignor to Dodge Manufacturing Company, Mishawaka, Ind. Package-delivery car. No. 1,234,561; July 24; v. 240; p. 1095.
- Pilkington, Robert G., Chicago, Ill., assignor to Dodge Manufacturing Company, Mishawaka, Ind. Rotatable headlight-support. No. 1,236,601; Aug. 14; v. 241; p. 376.
- Pilling Artificial Limb Company. (See Pilling and Jewett, assignors.)
- Pilling, Charles J., Lansdowne, and F. H. Jewett, assignors to Pilling Artificial Limb Company, Philadelphia, Pa. Artificial leg. No. 1,211,222; Jan. 2; v. 234; p. 290.
- Pillings, John H., assignor of one-half to B. H. Noyes, Dayton, Ohio. Automatic operating device for typewriters. No. 1,213,688; Jan. 23; v. 234; p. 1244.
- Pillings, John H., assignor to The National Automatic Typewriter Company, Hamilton, Ohio. Type-writer tabulating mechanism. No. 1,235,158; July 31; v. 240; p. 1312.
- Pilliod Brothers Company, The. (See Pilliod, Charles J., assignor.)
- Pilliod, Charles J., assignor to The Pilliod Brothers Company, Toledo, Ohio. Reversing valve-gear. No. 1,243,760; Oct. 23; v. 243; p. 828.
- Pilliod Company, The. (See Graham, Ross G., assignor.)
- Pillmore, William R., Westerville, N. Y. Drive-differential for motor-cars. No. 1,246,155; Nov. 13; v. 244; p. 332.
- Pillsbury, Albert H., assignor of one-half to V. Czeskleba, Lyndon Station, Wis. Obstetrical instrument. No. 1,213,005; Jan. 16; v. 234; p. 976.
- Pillsbury, Ralph W. (See Leary and Pillsbury.)
- Pilquist, Charles A., Ness City, Kans. Oil-burner. No. 1,232,392; July 3; v. 240; p. 284.
- Pimlott, George R., Mill Valley, Cal. Liquid-fuel-burning apparatus. No. 1,247,147; Nov. 20; v. 244; p. 662.
- Pinard, Achille A. (See Aikins, Samuel, assignor.)
- Pinches, Paul C., Brooklyn, N. Y., assignor to Lee S. Smith & Son Manufacturing Company, Pittsburgh, Pa. Shade-guide. No. 1,246,999; Nov. 20; v. 244; p. 620.
- Pinckney, Carnot B., Savannah, Ga. Window-sash. No. 1,211,959; Jan. 9; v. 234; p. 581.
- Pinckney, Lucie, administratrix. (See Dayton, Estey F.)
- Pinckney, Thomas D. W., New York, N. Y. Power-transmission mechanism. No. 1,242,974; Oct. 16; v. 243; p. 554.
- Pinder, Percy H., New York, N. Y., assignor to The Standard Steam Specialty Company. Steam-separator. No. 1,239,823; Sept. 11; v. 242; p. 381.
- Pindroh, John, Mulberry, Kans. Latch-lock. No. 1,222,462; Apr. 10; v. 237; p. 544.
- Pindstoffe, Anders A., Copenhagen, Denmark. Revolving bottle-cleaning machine. No. 1,246,460; Nov. 13; v. 244; p. 425.
- Pine, Arthur F. (See Pine, Wilber J. and A. F.)
- Pine, Edward M., Philadelphia, Pa. Non-refillable bottle. No. 1,222,889; Apr. 17; v. 237; p. 734.
- Pine Hill Crystal Spring Water Company. (See Cooper, Simon, assignor.)
- Pine Tree Milking Machine Company. (See Macartney, Arthur C., assignor.)
- Pine, Wilber J., Oshkosh, Wis. Wire-interlacing machine. No. 1,214,711; Feb. 6; v. 235; p. 81.
- Pine, Wilber J., Oshkosh, Wis., and A. F. Pine, Castle Rock, Colo. Vehicle-spring. No. 1,251,099; Dec. 25; v. 245; p. 900.
- Pinegar, A. C., *et al.* (See Aten, Merritt L., assignor.)
- Pingel, Will G., assignor of one-half to W. Rohan, Withee, Wis. Nut-lock. No. 1,239,958; Sept. 11; v. 242; p. 424.
- Pingree, George A., and R. A. Uhlin, Seattle, Wash. Air-tube and dirt-trap for oil-burners. No. 1,210,950; Jan. 2; v. 234; p. 208.

- Pingree, George A., and R. A. Uhlin, Seattle, Wash. Oil-burner-air-supply regulator. No. 1,210,981; Jan. 2; v. 234; p. 209.
- Pinkard, Paul R. (See Lewis and Pinkard.)
- Pinkerton, Edward E., Chicago, Ill. Folding box. No. 1,211,223; Jan. 2; v. 234; p. 291.
- Pinkerton, Edward E., Chicago, Ill. Folding receptacle. No. 1,243,626; Oct. 16; v. 243; p. 751.
- Pinkney, Bryan D., assignor to The Triumph Manufacturing Company, Cincinnati, Ohio. Weighing apparatus. No. 1,240,600; Sept. 18; v. 242; p. 659.
- Pinkney, Bryan D., assignor to The Triumph Manufacturing Company, Cincinnati, Ohio. Stuffing-box. No. 1,248,397; Nov. 27; v. 244; p. 1051.
- Pinnola, Achille, Ravenna, N. Y. Bottle-filling apparatus. No. 1,222,463; Apr. 10; v. 237; p. 544.
- Pinske, Theodore, Gary, Minn. Half-hitch sling-lock. No. 1,222,025; Apr. 10; v. 237; p. 389.
- Pinson, Joseph, Brooklyn, N. Y. Non-refillable bottle. No. 1,232,967; July 10; v. 240; p. 507.
- Pinzon, Alejandro A. (See Velis, Jorge B., assignor.)
- Pioch, Frank J., San Francisco, Cal. Gas-heated radiator. No. 1,224,784; May 1; v. 238; p. 237.
- Pioneer Box Company. (See Stewart, James K., assignor.)
- Pioneer Manufacturing Company. (See Schenk and Stewart, assignors.)
- Pioneer Suspender Company. (See Ferguson, William, assignor.)
- Pipe, Barney, San Diego, Cal. Safety attachment for faucets. No. 1,212,102; Jan. 9; v. 234; p. 625.
- Pipe Cleaners Limited. (See Shepherd, Frederick H. S., assignor.)
- Pipenhagen, Charles A., Chicago, Ill. Insect-trap. No. 1,217,343; Feb. 27; v. 235; p. 1132.
- Piper, George A., Omaha, Nebr. Lifting-jack and pulling device. No. 1,213,800; Jan. 23; v. 234; p. 1282.
- Piper, Harry D., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Article-collecting device for grinding-machines. No. 1,248,157; Nov. 27; v. 244; p. 984.
- Piper, John S., Lawrenceville, Ill. Air lift-pump. No. 1,232,393; July 3; v. 240; p. 284.
- Piper, John S., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Device for measuring electrical energy. No. 1,242,472; Oct. 9; v. 243; p. 359.
- Pipes, Charles B., Akron, Ohio. Rail-joint. No. 1,222,665; Apr. 17; v. 237; p. 657.
- Pipp, Henry L., Kalkaska, Mich. Holding device. No. 1,250,500; Dec. 18; v. 245; p. 672.
- Pippert, Willis, Rumford, Me. Printing-plate clamp. No. 1,214,216; Jan. 30; v. 234; p. 1454.
- Pipshik, Valentine, New York, N. Y. Wrench. No. 1,237,952; Aug. 21; v. 241; p. 847.
- Pirtle, F. R., *et al.* (See Bretz, George W., assignor.)
- Pirups-Hvarre, Peder J., Copenhagen, Denmark. Combined milking and separating machine and operating means therefor. No. 1,216,726; Feb. 20; v. 235; p. 878.
- Pissimis, George, and J. Rigopoulos, Schenectady, assignors of one-third to P. Chiboucas, Albany, N. Y. Process and apparatus for making resin and turpentine. No. 1,219,998; Mar. 20; v. 236; p. 800.
- Piston Ring Company, The. (See Johnson, Charles E., assignor.)
- Pistor, Gustav, and H. Reitz, Griesheim-on-the-Main, assignors to Chemische Fabrik Griesheim-Elektron, Frankfurt-on-the-Main, Germany. Manufacture of calcium hypochlorite. No. 1,236,978; Aug. 14; v. 241; p. 500.
- Pitard, Daniel M. (See Beneke, John O., assignor.)
- Pitcan, William I., Manchester, England. Corset. No. 1,220,271; Mar. 27; v. 236; p. 934.
- Pitcher, Elmer C., San Francisco, Cal. Sliding-door structure. No. 1,221,766; Apr. 3; v. 237; p. 265.
- Pitcher, Elmer C., San Francisco, Cal. Disappearing bed. No. 1,236,348; Aug. 7; v. 241; p. 261.
- Pitcher, Frederick C., *et al.* (See Lee, Robert W., assignor.)
- Pitcher, Henry, Orange, Cal. Combined ridger and blocker. No. 1,240,088; Sept. 11; v. 242; p. 460.
- Pitman, Henry L., Pineville, Ky., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,245,501; Nov. 6; v. 244; p. 107.
- Pitman, Henry L., East Orange, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Type-writing machine. No. 1,248,420; Nov. 27; v. 244; p. 1057.
- Pitman-Moore Company. (See Roberts, George H., assignor.)
- Pitt, John W., assignor of one-fourth to E. Strong, Chicago, Ill. Plate-hook for rotary presses. No. 1,247,574; Nov. 20; v. 244; p. 783.
- Pitt, Rafford, New Rochelle, N. Y. Door-hanger. No. 1,229,653; June 12; v. 239; p. 481.
- Pitt, Rafford, New Rochelle, N. Y. Elevator-gate-controlling device. No. 1,249,188; Dec. 4; v. 245; p. 219.
- Pittaluga, Stefano, assignor of one-fourth to C. P. Gorini, one-fourth to E. J. Kitterman, and one-fourth to F. W. Schultze, Los Angeles, Cal. Can-stamper. No. 1,223,610; Apr. 24; v. 237; p. 1014.
- Pittar, George F., Wimbledon, England. Golf-club. No. 1,235,922; Aug. 7; v. 241; p. 129.
- Pittenger, Paul S., assignor to H. K. Mulford Company, Philadelphia, Pa. Distillation apparatus. No. 1,236,865; Aug. 14; v. 241; p. 463.
- Pittman, Ernest W., Flushing, N. Y. Electric-motor control. No. 1,236,005; Aug. 7; v. 241; p. 156.
- Pittman, Moses S., Sawtelle, Cal. Rail-joint. No. 1,224,785; May 1; v. 238; p. 237.
- Pittman, Vincent V., Selma, Cal. Cooler. No. 1,242,036; Oct. 2; v. 243; p. 180.
- Pittoni, Louis E. (See Sisbower and Pittoni.)
- Pitts, David J., Bowman, Ga. Harvester. No. 1,217,629; Feb. 27; v. 235; p. 1236.
- Pitts, Edwin B., Sr., Oswego, N. Y. Blower for steam-boiler furnaces. No. 1,225,053; May 8; v. 238; p. 380.
- Pitts, Elmer O., Colbran, Colo. Fly-swatter. No. 1,217,212; Feb. 27; v. 235; p. 1088.
- Pitts, George B., trustee. (See Parkhurst, Layton M., assignor.)
- Pitts, George B., trustee. (See Richardson, Charles F., assignor.)
- Pitts, Hanover E., Springfield, Oreg. Wire-tying machine. No. 1,230,773; June 19; v. 239; p. 888.
- Pitts, Jarriott T., Mont Eagle, Tenn. Adjustable comb-holder for hair-clippers. No. 1,223,200; Apr. 17; v. 237; p. 841.
- Pittsburg Brake Shoe Company. (See Kinzer, John J., assignor.)
- Pittsburg High Voltage Insulator Co., The. (See Ward, John J., assignor.)
- Pittsburg Water Heater Company. (See Backstrom, Charles A., assignor.)
- Pittsburgh Air Brake Company. (See Snyder, Jacob R., assignor.)
- Pittsburgh Coal Washer Company. (See Sorber, Alexander M., assignor.)
- Pittsburgh Cornice & Roofing Company. (See Haas, Carl, assignor.)
- Pittsburgh Electric Tool Company. (See Wendelburg, Alex., assignor.)
- Pittsburgh Engineering Company. (See Burkart, William J., assignor.)
- Pittsburgh Gage and Supply Company. (See Wappat, Fred W., assignor.)
- Pittsburgh-Hickson Company. (See Reynders, Augustus J., assignor.)
- Pittsburgh Instrument Machine Company. (See Kammerer, Paul C. R., assignor.)
- Pittsburgh Lamp, Brass & Glass Company. (See Ewing, Robert E., assignor.)
- Pittsburgh Lamp, Brass & Glass Company. (See Griffith, Benjamin H., assignor.)
- Pittsburgh Lamp, Brass & Glass Company. (See Yokel, Frank, assignor.)
- Pittsburgh Machine Tool Company. (See Curtis, Frank J., assignor.)
- Pittsburgh Model Engine Company. (See Barthel, Oliver E., assignor.)
- Pittsburgh Plate Glass Company. (See Bechtel, John A., assignor.)
- Pittsburgh Plate Glass Company, The. (See Golightly, William J., assignor.)
- Pittsburgh Plate Glass Company. (See Heichert, Herman S., assignor.)
- Pittsburgh Plate Glass Company. (See Hitchcock, Halbert K., assignor.)
- Pittsburgh Plate Glass Company *et al.* (See Icenhour, Albert A., assignor.)
- Pittsburgh Plate Glass Company. (See Johnson, John F., assignor.)
- Pittsburgh Plate Glass Company. (See Kerr, Charles H., assignor.)
- Pittsburgh Plate Glass Company. (See Pease, Roger S., assignor.)
- Pittsburgh Plate Glass Company. (See Slingluff, Harry G., assignor.)
- Pittsburgh Steel Co. (See Adams and Johnson, assignors.)
- Pittsburgh Steel Company. (See Johnson, August G., assignor.)
- Pittsburgh Steel Foundry Company. (See Allison, John, assignor.)
- Pittsburgh Steel Products Company. (See Wikstrom, Malcolm U., assignor.)
- Pittsfield Spark Coil Company. (See Shaw, Edward T., assignor.)
- Pittsfield Spark Coil Company. (See Shaw and Wood, assignors.)
- Piva, Celestino, New York, N. Y. Apparatus for holding silk and similar material. No. 1,230,511; June 19; v. 239; p. 801.
- Piver, William C. (See Riches and Piver.)
- Pixler, John A., Benkelman, Nebr. Self-leveling clock. No. 1,216,727; Feb. 20; v. 235; p. 878.
- Place, Charles I., Sharon, Conn. Carbureter. No. 1,214,366; Jan. 30; v. 234; p. 1507.
- Place, Claude W., St. Louis county, Mo., and E. Taylor, Chicago, Ill., assignors to General Electric Company. Automatic substation. No. 1,237,953; Aug. 21; v. 241; p. 847.
- Place, Dennis C., Brooklyn, N. Y. Conveyor. No. 1,211,224; Jan. 2; v. 234; p. 291.
- Placke, Anton, Cleveland, Ohio. Valve-spring lifter. No. 1,220,547; Mar. 27; v. 236; p. 1033.

Alphabetical list of patentees—Continued.

- Placek, Anton, Cleveland, Ohio. Pipe-wrench. No. 1,244,126; Oct. 23; v. 243; p. 938.
- Plaisted, Jared H., assignor of one-half to H. W. Longfellow, Boston, Mass. Non-refillable bottle. No. 1,220,361; Mar. 27; v. 236; p. 967.
- Plamondon, Alfred D., executor. (See Mally, Tadeusz Z., assignor.)
- Plamondon, Alfred D., executor. (See Matthei, Henry R., assignor.)
- Plamondon, Alfred D., executor. (See Mehlohope, Matthei, and Mally, assignors.)
- Plamondon, Elie H., Montreal, Quebec, Canada. Cigar-holder. No. 1,230,432; June 19; v. 239; p. 773.
- Plamondon, George. (See Mally, Tadeusz Z., assignor.)
- Plamondon, George. (See Matthei, Henry R., assignor.)
- Plamondon, George. (See Mehlohope, Matthei, and Mally, assignors.)
- Plamondon, Isidore J., Dubuque, Iowa. Leaf-holder. No. 1,223,595; June 5; v. 239; p. 75.
- Planchat, Eugenio, Turin, Italy. Quick drying of cinematographic films and the like. No. 1,232,077; July 3; v. 240; p. 183.
- Planche, Etienne, Flint, Mich. Adjustable hinge. No. 1,218,696; Mar. 13; v. 236; p. 317.
- Planche, Etienne, Flint, Mich. Hydrocarbon-vaporizer. No. 1,242,975; Oct. 16; v. 243; p. 554.
- Planchenault, Alexander G., Coytesville, N. J. Clasp for garters, wrist-bracelets, &c. No. 1,246,654; Nov. 13; v. 244; p. 483.
- Planq, Georges, Koekelberg-Brussels, Belgium, assignor, by mesne assignments, to J. J. Ricks, Winnetka, Ill. Cutting and welding apparatus. No. 1,220,548; Mar. 27; v. 236; p. 1033.
- Plander, John F., et al. (See Bittle, Harry L., assignor.)
- Plank, Samuel K., Houston, Tex. Vehicle-spring. No. 1,227,307; May 22; v. 238; p. 1222.
- Plank, Samuel K., Houston, Tex. Darby. No. 1,227,308; May 22; v. 238; p. 1222.
- Plant, John, Douglas, Alaska. Shoe-heel. No. 1,233,504; July 17; v. 240; p. 717.
- Plantation Equipment Company. (See Zelle, William C., assignor.)
- Plante, Elzear, assignor to E. Coté, Fall River, Mass. Combination piano and sound-reproducing instrument. No. 1,230,324; June 19; v. 239; p. 738.
- Plante, Joseph, Verdun, Quebec, Canada. Annealing-leer. No. 1,214,217; Jan. 30; v. 234; p. 1454.
- Plante, Levi N., Worcester, Mass. Creasing-board. No. 1,221,213; Apr. 3; v. 237; p. 75.
- Planters Stemming Company. (See Allen, William H., assignor.)
- Plantinga, Pierre, Cleveland, Ohio. Vertical bench. No. 1,228,475; June 5; v. 239; p. 34.
- Plantinga, Pierre, Cleveland, Ohio. Retort. No. 1,239,517; Sept. 11; v. 242; p. 282.
- Plastic Art Novelty and Specialty Co. (See Jaeger, Christian, assignor.)
- Plate, John, Chicago, Ill. Venetian blind. No. 1,215,985; Feb. 13; v. 235; p. 565.
- Plath, Emil, Maza, N. D. Car-brake. No. 1,241,147; Sept. 25; v. 242; p. 863.
- Platou, Olaf J. S., assignor to Norsk Hydro-elektrisk Kvaestofaktieselskab, Christiania, Norway. Electric arc furnace. No. 1,241,655; Oct. 2; v. 243; p. 60.
- Platt, Clarence D., Bridgeport, Conn. Fuse-plug. No. 1,215,701; Feb. 13; v. 235; p. 465.
- Platt, Clarence D., Bridgeport, Conn. Electric switch. No. 1,213,890; Mar. 13; v. 236; p. 389.
- Platt, Clarence D., Bridgeport, Conn. Cabinet for panel-boards. No. 1,219,864; Mar. 20; v. 236; p. 754.
- Platt, Clarence D., Bridgeport, Conn. Sealable fuse-plug. No. 1,226,808; May 22; v. 238; p. 1053.
- Platt, Clarence D., Bridgeport, Conn. Push-button switch. No. 1,227,195; May 22; v. 238; p. 1185.
- Platt, Clarence D., Bridgeport, Conn. Electrical receptacle. No. 1,231,063; June 26; v. 239; p. 1025.
- Platt, Clarence D., Bridgeport, Conn. Electric switch. No. 1,234,211; July 24; v. 240; p. 980.
- Platt, Clarence D., Bridgeport, Conn. Meter-testing construction. No. 1,237,379; Aug. 21; v. 241; p. 666.
- Platt, Clarence D., Bridgeport, Conn. Cover-locking means. No. 1,239,718; Sept. 11; v. 242; p. 348.
- Platt, Clarence D., Bridgeport, Conn. Meter-testing-switch construction. No. 1,240,363; Sept. 18; v. 242; p. 587.
- Platt, Clarence D., Bridgeport, Conn. Inclosed-switch construction. No. 1,240,364; Sept. 18; v. 242; p. 587.
- Platt, Clarence D., Bridgeport, Conn. Electric switch. No. 1,250,501; Dec. 18; v. 245; p. 673.
- Platt, Haviland H. (See Reese and Platt.)
- Platt, John H., Los Angeles, Cal. Vegetable-crate-cover press. No. 1,248,002; Nov. 27; v. 244; p. 941.
- Platt, John J., Milford, Conn. Spark-plug. No. 1,228,241; May 29; v. 238; p. 1563.
- Plattner, David, and R. H. Yale, assignors to Plattner-Yale Manufacturing Company, Lincoln, Nebr. Bob-sled runner. No. 1,222,322; Apr. 10; v. 237; p. 493.
- Plattner-Yale Manufacturing Company. (See Plattner and Yale, assignors.)
- Platts, Howard C. (See Overbury and Platts.)
- Platzer, Adolf. (See Silz and Platzer.)
- Plaut, Herman, et al. (See Smith, Esmond M., assignor.)
- Plaut, Herman, New York, N. Y. Lighting-fixture. No. 1,247,000; Nov. 20; v. 244; p. 620.
- Plaut, Leopold, et al. (See Smith, Esmond M., assignor.)
- Plautz, Albert A. (See Zarling, William, assignor.)
- Playas, Dujo, Butte, Mont. Stack-cleaner. No. 1,249,483; Dec. 11; v. 245; p. 335.
- Playerphone Talking Machine Company. (See Selter, Milo B., assignor.)
- Playthings Corporation. (See Martineau, William C. and C. R., assignors.)
- Pleijel, Henning B. M., and A. H. Olsson, Stockholm, Sweden. Loading duplex or multiple telephone-lines. No. 1,215,702; Feb. 13; v. 235; p. 465.
- Plein, Louis, Chicago, Ill. Internal-combustion engine. No. 1,244,890; Oct. 30; v. 243; p. 1208.
- Pleister, Henry W. (See Newhall and Pleister.)
- Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Bolt-anchor. No. 1,222,987; Apr. 17; v. 237; p. 766.
- Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Bolt-anchor. No. 1,222,988; Apr. 17; v. 237; p. 767.
- Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Guy-clamp. No. 1,230,215; June 19; v. 239; p. 702.
- Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Bolt-anchor. No. 1,248,003; Nov. 27; v. 244; p. 941.
- Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Bolt-anchor. No. 1,248,004; Nov. 27; v. 244; p. 941.
- Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Bolt-anchor. No. 1,248,005; Nov. 27; v. 244; p. 941.
- Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Bolt-anchor. No. 1,248,006; Nov. 27; v. 244; p. 942.
- Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Bolt-anchor. No. 1,248,007; Nov. 27; v. 244; p. 942.
- Pleister, Henry W., assignor to H. B. Newhall, Westfield, N. J. Bolt-anchor. No. 1,248,008; Nov. 27; v. 244; p. 942.
- Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Bolt-anchor. No. 1,248,009; Nov. 27; v. 244; p. 942.
- Pleoger, George H. (See Ferguson and Pleoger.)
- Pless, Ernest E., Morristown, Tenn. Glove-former. No. 1,239,959; Sept. 11; v. 242; p. 424.
- Pletcher, Eugene M., Philadelphia, Pa. Inhaler. No. 1,231,787; July 3; v. 240; p. 84.
- Pletcher, Eugene M., Philadelphia, Pa. Carrier for eggs. No. 1,234,936; July 31; v. 240; p. 1245.
- Pletcher, Thomas S., Ochilree, Tex. Corn-topper. No. 1,238,434; Aug. 28; v. 241; p. 1038.
- Pletsch, Henry. (See Judd and Pletsch.)
- Pletsch, Henry, assignor to Judd Laundry Machine Company, Chicago, Ill. Clothes-wringer. No. 1,216,490; Feb. 20; v. 235; p. 797.
- Pletz, Arthur C., Cincinnati, Ohio. Tapping or thread-cutting device. No. 1,213,253; Jan. 23; v. 234; p. 1094.
- Pleukharp, Irvin H., Columbus, Ohio. Transmission-gearing. No. 1,229,782; June 12; v. 239; p. 523.
- Plichta, Josef, Uj-Pest, Hungary. Spinning-machine for making paper yarn. No. 1,221,374; Apr. 3; v. 237; p. 131.
- Plimpton, Bentley A., Victor, N. Y. Strain-insulator. No. 1,246,461; Nov. 13; v. 244; p. 425.
- Ploeger, Ernst A., and J. Penrose, Chicago, Ill. Automatic relief-valve. No. 1,242,888; Oct. 9; v. 243; p. 492.
- Plofchan, Andrew, and J. Zuraw, Detroit, Mich. Camera-support. No. 1,211,347; Jan. 2; v. 234; p. 332.
- Plonski, Aloizy, Chicago, Ill. Rotary pump. No. 1,242,859; Oct. 9; v. 243; p. 483.
- Ploof, Henry C. (See Maull, Edward N., assignor.)
- Plotnik, Frank, Browerville, Minn. Vise. No. 1,239,620; Sept. 11; v. 242; p. 315.
- Plowright, Bennett. (See Wegner, Loescher, and Plowright.)
- Pludowski, Aleksander, assignor of one-third to S. Orłowski and one-third to W. Szczepaniak, Waterbury, Conn. Bath-brush. No. 1,211,225; Jan. 2; v. 234; p. 292.
- Pludowski, Aleksander, assignor of one-third to W. Szczepaniak and one-third to S. Orłowski, Waterbury, Conn. Muffler for telephones. No. 1,218,892; Mar. 13; v. 236; p. 390.
- Pludowski, Aleksander, assignor of one-third to W. Szczepaniak and one-third to S. Orłowski, Waterbury, Conn. Table and chair construction. No. 1,218,893; Mar. 13; v. 236; p. 390.
- Pludowski, Aleksander, assignor of one-third to S. Orłowski and one-third to W. Szczepaniak, Waterbury, Conn. Mail-box. No. 1,220,549; Mar. 27; v. 236; p. 1033.
- Pludowski, Aleksander, assignor of one-fourth to W. Wodzinski and one-half to B. Grebziński, Waterbury, Conn. Lamp-extinguisher. No. 1,211,226; Jan. 2; v. 234; p. 292.
- Pludowski, Aleksander, assignor of one-half to B. Grebziński and one-fourth to W. Wodzinski, Waterbury, Conn. Hat-ventilating support. No. 1,218,891; Mar. 13; v. 236; p. 390.

- Plumb, Clarence G., Lorain, Ohio. Flush-valve. No. 1,219,483; Mar. 20; v. 236; p. 620.
- Plumb, Robert F., Tennant, Iowa. Seed-corn drier. No. 1,240,365; Sept. 18; v. 242; p. 587.
- Plumb, Roy A., and C. R. Weed, assignors to Trussed Concrete Steel Company, Detroit, Mich. Protective-element-forming machine. No. 1,220,550; Mar. 27; v. 236; p. 1034.
- Plumb, Roy A., and C. R. Weed, assignors to Trussed Concrete Steel Company, Detroit, Mich. Composition-board-forming machine. No. 1,232,078; July 3; v. 240; p. 183.
- Plumb, Roy A., W. S. Seymour, and C. R. Weed, assignors to Trussed Concrete Steel Company, Detroit, Mich. Composition-board-forming machine. No. 1,236,006; Aug. 7; v. 241; p. 157.
- Plumbly, Frederick K., Mount Ivy, N. Y. Device for safe transportation of eggs. No. 1,219,039; Mar. 13; v. 236; p. 440.
- Plume & Atwood Manufacturing Company, The. (See Boomer, George A., assignor.)
- Plumley, Raymond L., Wilmington, Del., assignor to Frederick Osann Company, New York, N. Y. Sewing-machine. No. 1,212,256; Jan. 16; v. 234; p. 711.
- Plumley, Raymond L., Wilmington, Del., assignor to Frederick Osann Company, New York, N. Y. Work feeding and guiding mechanism. No. 1,214,950; Feb. 6; v. 235; p. 164.
- Plummer, Frank J., Portland, Me. Car-fender. No. 1,212,103; Jan. 9; v. 234; p. 626.
- Plummer, Henry W., Augusta, Me. Surgical tourniquet. No. 1,218,313; Mar. 6; v. 236; p. 149.
- Plummer, William T. (See Bradshaw, William H., assignor.)
- Plunges, Frank C. (See Clark and Plunges.)
- Plunkett, William H. (See Gilmore, Charles B., assignor.)
- Plush, Abram L., Philadelphia, Pa. Fire-escape apparatus. No. 1,246,655; Nov. 13; v. 244; p. 483.
- Plyley, Estle D., Toledo, Ohio. Stove-moving means. No. 1,235,593; Aug. 7; v. 241; p. 21.
- Plymouth Cordage Company. (See Dodge, Milo C., assignor.)
- Plymouth Motor Castings Company. (See Sherwood, Nathan E., assignor.)
- Plymouth Rubber Company. (See Ford, James A., assignor.)
- Pneumatic Cushion Co. (See Gruss, Lucien R., assignor.)
- Pneumatic Scale Corporation. (See Doble, Carl F., assignor.)
- Pneumatic Scale Corporation. (See Doble, William H., assignor.)
- Pneumatic Scale Corporation. (See Doble and Robinson, assignors.)
- Pneumatic Scale Corporation *et al.* (See Field, Samuel B., assignor.)
- Pneumelectric Machine Company, The. (See Borgeson, Charles J., assignor.)
- Po, Guido, Rome, Italy. Arrangement of ship-rudders. No. 1,247,448; Nov. 20; v. 244; p. 748.
- Pocock, Augustine J., Dayton, Ohio. Water-box for pumps. No. 1,226,693; May 22; v. 238; p. 1012.
- Pocock, Augustine J., Dayton, Ohio. Dispensing-pump. No. 1,244,077; Oct. 23; v. 243; p. 924.
- Pocock, Francis A., Philadelphia, Pa. Water-gage. No. 1,227,196; May 22; v. 238; p. 1185.
- Pocock, Francis A., Philadelphia, Pa. Water-gage. No. 1,239,304; Sept. 4; v. 242; p. 187.
- Pocock, Francis A., Philadelphia, Pa. Water-gage. No. 1,240,251; Sept. 18; v. 242; p. 552.
- Pocock, Walter A., St. Paul, Minn. Seat. No. 1,232,079; July 3; v. 240; p. 184.
- Podlěšák, Henry J., Chicago, Ill., assignor, by mesne assignments, to International Harvester Corporation. Carburetor for gas-engines. No. 1,226,366; May 15; v. 238; p. 869.
- Podobiedoff, Iwan, Petrograd, Russia. Apparatus for washing with slime the bore end of a well. No. 1,240,776; Sept. 18; v. 242; p. 714.
- Podszus, Emil, Neukölln, Germany. Electric incandescent lamp with gas filling and a holder for the incandescent wire. No. 1,234,691; July 24; v. 240; p. 1134.
- Podzcamski, Mike J., Milwaukee, Wis. Dough-mixing machine. No. 1,214,585; Feb. 6; v. 235; p. 36.
- Poe, Albert S., assignor to A. G. Perry Plow Co., Coldwater, Miss. Cultivating implement. No. 1,233,121; July 10; v. 240; p. 555.
- Poe, James G., assignor of one-half to A. B. Small, Dallas, Tex. Emergency-tire. No. 1,251,277; Dec. 25; v. 245; p. 952.
- Poe, William S., Hay, Wash. Pitman. No. 1,235,839; Aug. 7; v. 241; p. 101.
- Poehner, A. S. (See Poehner, Adolph A., assignor.)
- Poehner, Adolph A., assignor to A. S. Poehner, San Francisco, Cal. Leg-holder. No. 1,230,512; June 19; v. 239; p. 801.
- Poenisch, Otto, West Allis, Wis. Fire-alarm mechanism. No. 1,238,813; Sept. 4; v. 242; p. 30.
- Poetsch, Chester M., Chicago, Ill. Radiator-cover. No. 1,224,501; May 1; v. 238; p. 138.
- Poggemeyer, Fred, Cook, Nebr. Switch-thrower. No. 1,242,037; Oct. 2; v. 243; p. 180.
- Pogue, George D., St. Louis, Mo. Driving mechanism. No. 1,225,355; May 8; v. 238; p. 484.
- Pogue, George D., St. Louis, Mo. Piston for internal-combustion engines. No. 1,229,133; June 5; v. 239; p. 255.
- Pogue, George D., St. Louis, Mo. Retaining means for bolts and similar devices. No. 1,229,783; June 12; v. 239; p. 523.
- Pogue, George D., St. Louis, Mo. Lubricating mechanism for piston-machines. No. 1,230,513; June 19; v. 239; p. 801.
- Pogue, George D., St. Louis, Mo. Lubricating mechanism for piston-machines. No. 1,231,294; June 26; v. 239; p. 1101.
- Pogue, George D., St. Louis, Mo. Container for drinking-water. No. 1,248,705; Dec. 4; v. 245; p. 82.
- Pogue, George D., St. Louis, Mo. Meter. No. 1,249,484; Dec. 11; v. 245; p. 336.
- Pogue, George D., St. Louis, Mo. Liquid-fuel pump. No. 1,250,651; Dec. 18; v. 245; p. 717.
- Pohl, Ernest A., Georgetown, Ohio. Electric-lamp connector. No. 1,217,058; Feb. 20; v. 235; p. 990.
- Pohl, Ernst, Kiel, Germany. X-ray apparatus. No. 1,233,122; July 10; v. 240; p. 556.
- Pohlman, Arthur E., Watertown, Wis. Combination flower-pot and reflector. No. 1,215,986; Feb. 13; v. 235; p. 565.
- Pohlman, Elmer L., Indianapolis, Ind. Receptacle for retaining brake-band lining and the like. No. 1,239,960; Sept. 11; v. 242; p. 425.
- Poimiroo, Alfred and A., Seattle, Wash. Dish-holder. No. 1,218,894; Mar. 13; v. 236; p. 391.
- Poimiroo, Angelina. (See Poimiroo, Alfred and A.)
- Poindexter, Nerve V., Elkin, N. C. Rail-joint. No. 1,245,009; Oct. 30; v. 243; p. 1244.
- Poindexter, Robert W., Jr. (See Huber and Poindexter.)
- Poister, James C., Topeka, Kans. Safety-razor-blade holder. No. 1,213,133; Jan. 16; v. 234; p. 1018.
- Pointe, James C. A., Dijon, France. Apparatus for the treatment of corn, grain, fruits, and the like. No. 1,244,774; Oct. 30; v. 243; p. 1173.
- Pointer, Don X., Caldwell, Kans. Automobile-headlight. No. 1,249,485; Dec. 11; v. 245; p. 336.
- Pointer, Elmore H., *et al.* (See Osser, Percy S., assignor.)
- Poirier, Joseph U., Montreal, Quebec, Canada. Sound-modulating device. No. 1,237,813; Aug. 21; v. 241; p. 803.
- Poix, Gabrielle M., Brooklyn, N. Y. Brassière. No. 1,226,113; May 15; v. 238; p. 782.
- Pokopac, Stephen, Greensburg, Pa. Movable railway platform or approach. No. 1,235,377; July 31; v. 240; p. 1378.
- Pokora, Emanuel, McKees Rocks, Pa. Lathe-operating mechanism. No. 1,212,257; Jan. 16; v. 234; p. 712.
- Pokorny & Wittekind Maschinenbau-Aktiengesellschaft. (See Hinz, Adolf, assignor.)
- Polachek, Lewis, Akron, Ohio. Sunken-ship-locating device. No. 1,249,486; Dec. 11; v. 245; p. 336.
- Polaner, Charles. (See Calvey, James P., assignor.)
- Polasek, John, Caldwell, Tex. Sweep-stock attachment. No. 1,230,022; June 12; v. 239; p. 600.
- Polhemus, Frank D., Atlantic City, N. J. Automatic lubricator for switch-points. No. 1,239,719; Sept. 11; v. 242; p. 348.
- Polling, Fred C., Menlo, assignor to Goode Anti-Skid Chain Manufacturing Company, Des Moines, Iowa. Fastening. No. 1,231,191; June 26; v. 239; p. 1068.
- Polling, Fred C., Menlo, assignor to Goode Anti-Skid Chain Manufacturing Company, Des Moines, Iowa. Mud-lug. No. 1,236,602; Aug. 14; v. 241; p. 376.
- Polite, William D., Wilmington, N. C. Gun. No. 1,218,458; Mar. 6; v. 236; p. 197.
- Polk, Claude H., Anaconda, Mont. Loading apparatus for powdered materials and the like. No. 1,211,348; Jan. 2; v. 234; p. 332.
- Polk, Thomas J., Oakdale, La. Cabinet and refrigerator. No. 1,242,235; Oct. 9; v. 243; p. 284.
- Polk, Walter C., Fort Branch, Ind. Concrete-casting machine. No. 1,225,356; May 8; v. 238; p. 484.
- Polkowski, John, New York, N. Y. Upholstering-tool. No. 1,222,129; Apr. 10; v. 237; p. 424.
- Pollak, Armin, New York, N. Y. Lock. No. 1,224,502; May 1; v. 238; p. 138.
- Pollak, Fritz, Berlin, Germany. Production of resinlike condensation products. No. 1,210,982; Jan. 2; v. 234; p. 209.
- Pollak, Fritz, Berlin, Germany. Manufacture of insoluble condensation products. No. 1,211,227; Jan. 2; v. 234; p. 293.
- Pollak, Fritz, Berlin, Germany. Producing insoluble condensation products and product thereof. No. 1,216,728; Feb. 20; v. 235; p. 879.
- Pollak, Fritz, Vienna, Austria. Manufacture of crystalline polymerization products of formaldehyde. No. 1,230,600; June 19; v. 239; p. 831.
- Pollak, Robert R., San Francisco, Cal. Oil-well rig. No. 1,244,240; Oct. 23; v. 243; p. 973.
- Pollard-Aling Mfg. Co. (See De Minico, Frank, assignor.)
- Pollard, Arthur L., Batavia, N. Y. Annealing articles. No. 1,222,793; Apr. 17; v. 237; p. 701.
- Pollard, Arthur L., assignor to The Johnston Harvester Company, Batavia, N. Y. Center pressure device for disk harrows. No. 1,246,462; Nov. 13; v. 244; p. 426.
- Pollard, Claude. (See Murray and Dorman, assignors.)

- Pollard, George, Piccadilly, assignor to Menco-Elma Syndicate Limited, London, England. Variable-speed gearing. No. 1,217,059; Feb. 20; v. 235; p. 990.
- Pollard, George, Piccadilly, assignor to Menco-Elma Syndicate Limited, London, England. Variable-speed gearing. No. 1,231,529; June 26; v. 239; p. 1178.
- Pollard, George, Piccadilly, Westminster, assignor to The Menco-Elma Syndicate Limited, London, England. Speed-changing, reversing, and braking gearing. No. 1,238,565; Aug. 28; v. 241; p. 1081.
- Pollen, Arthur H., London, and H. Isherwood, York, England. Apparatus for determining sighting data for naval guns. No. 1,232,968; July 10; v. 240; p. 507.
- Polley, J. A. (See La Fieles, John, assignor.)
- Polleys, Charles G., Newark, N. J. Power-transmitting apparatus for automobiles. No. 1,219,040; Mar. 13; v. 236; p. 440.
- Polleys, Charles G., Newark, N. J. Shock-absorber. No. 1,231,788; July 3; v. 240; p. 85.
- Pollock, Albert E., Chicago, Ill. Tire-gage. No. 1,219,865; Mar. 20; v. 236; p. 754.
- Pollock, Albert E., assignor to Ffex Manufacturing Company, Chicago, Ill. Pressure-gage. No. 1,220,272; Mar. 27; v. 236; p. 934.
- Pollock, Henry H., Carnegie, Pa. Mail-crane. No. 1,222,026; Apr. 10; v. 237; p. 390.
- Pollock, John L., assignor of one-third to N. Rainone and one-third to A. Miller, Sterling, Ill. Latch. No. 1,230,774; June 19; v. 239; p. 888.
- Pollock, John R., Los Angeles, Cal. Dust-separator for street-sweeping machines. No. 1,226,589; May 15; v. 238; p. 939.
- Pollock, Robert L., Sterling, Kans. Hot-air furnace. No. 1,241,274; Sept. 25; v. 242; p. 906.
- Poloumordvinoft, Alexander, Petrograd, Russia. Telephone-receiver. No. 1,248,158; Nov. 27; v. 244; p. 984.
- Polson, Carl, Vermillion, Kans. End-gate for wagons. No. 1,242,860; Oct. 9; v. 243; p. 483.
- Polson, William F., Buffalo, N. Y. Wind-shield. No. 1,215,407; Feb. 13; v. 235; p. 355.
- Poitronier, Louis, Brooklyn, N. Y. Safety milk-bottle holder. No. 1,237,217; Aug. 14; v. 241; p. 574.
- Poltzbach, Minnie E. H., San Miguel de Tucum, Guatemala. Corn-washer. No. 1,235,378; July 31; v. 240; p. 1378.
- Polychromatic Film Corporation. (See Wenderhold, William, assignor.)
- Polzin, Joseph, Rock Island, Ill. Water-heater. No. 1,244,775; Oct. 30; v. 243; p. 1174.
- Pomeroy, Fletcher W., Burbank, Cal. Valve-stem packing. No. 1,234,084; July 17; v. 240; p. 902.
- Pomeroy, Frederick H., assignor to Safety Gas Lighter Company, Haverhill, Mass. Gas-igniter. No. 1,212,156; Jan. 9; v. 234; p. 645.
- Pomeroy, Henry W., Northampton, Mass. Screw-driver. No. 1,239,961; Sept. 11; v. 242; p. 425.
- Pomeroy, Irving L., Chicago, Ill. Time-fuse body and cap and making same. No. 1,228,596; June 5; v. 239; p. 76.
- Pomeroy, James W. (See Todd and Pomeroy.)
- Pomeroy, Le Dru R., assignor to The Toledo Button Machine Company, Toledo, Ohio. Shoe-button-fastening machine. No. 1,240,874; Sept. 25; v. 242; p. 778.
- Pomeroy, Theodore T., assignor to Safety Gas Lighter Co., Haverhill, Mass. Pyrophoric renewal for gas-lighters. No. 1,212,156; Jan. 9; v. 234; p. 646.
- Poniamowski, Joseph, Chicago, Ill. Macaroni-cooker. No. 1,231,192; June 26; v. 239; p. 1068.
- Pomper, Isak, New York, N. Y. Shopping-bag. No. 1,223,420; Apr. 24; v. 237; p. 947.
- Pomranke, Walter T., Chilton, Wis. Beet-topping machine. No. 1,241,761; Oct. 2; v. 243; p. 93.
- Pond, Clarke P., Philadelphia, Pa. Window-operating device. No. 1,228,242; May 29; v. 238; p. 1563.
- Pond, Clarke P., Philadelphia, Pa. Sash construction. No. 1,240,777; Sept. 18; v. 242; p. 714.
- Pond, Edmund M., Rutland, Vt. Medicated tampon. No. 1,234,383; July 24; v. 240; p. 1037.
- Pond, Henry, Metz, Mo. Fountain floor oiling and painting device. No. 1,237,380; Aug. 21; v. 241; p. 666.
- Pond, Samuel N., Chicago, Ill. Rotary pump. No. 1,243,215; Oct. 16; v. 243; p. 629.
- Ponselle, Robert A., New York, N. Y. Rotary floor-machine. No. 1,228,476; June 5; v. 239; p. 35.
- Ponsot, Theophile E., Paris, France. Sparking plug. No. 1,250,009; Dec. 11; v. 245; p. 487.
- Pontiac Tractor Company. (See Welch, Fred S., assignor.)
- Pontopidan, Carl, Brooklyn, assignor to F. L. Smidth & Co., New York, N. Y. Treatment of slurry. No. 1,242,226; Oct. 9; v. 243; p. 285.
- Pool, Elmer C., New Castle, Pa., assignor to Toledo Scale Company, Jersey City, N. J. Weighing-scale. No. 1,249,487; Dec. 11; v. 245; p. 336.
- Pool, John G., Lynn, Mass. Machine for making wooden heels for boots and shoes and the like. No. 1,238,814; Sept. 4; v. 242; p. 30.
- Pool, John G., Lynn, Mass. Machine for making heels for boots and shoes and the like. No. 1,238,815; Sept. 4; v. 242; p. 30.
- Pool, N. T., et al. (See Strickle, George R., assignor.)
- Poole, Arthur F., Kenilworth, Ill. Speedometer. No. 1,249,189; Dec. 4; v. 245; p. 219.
- Poole, Charles A. (See Peterson, Joseph E., assignor.)
- Poole, Elmer E., Boston, Mass. Holder for tail-lights and number-plates for automobiles. No. 1,238,816; Sept. 4; v. 242; p. 31.
- Poole, Eugene S. (See Metcalf, Jefferson D., assignor.)
- Poole, Fred, Jewell City, Kans. Liquid-heater. No. 1,210,691; Jan. 2; v. 234; p. 109.
- Poole, Fred, Jewell, Kans. Liquid-heater. No. 1,213,254; Jan. 23; v. 234; p. 1095.
- Poole, Fred, Jewell, Kans. Liquid-heater. No. 1,215,703; Feb. 13; v. 235; p. 465.
- Poole, Frederick, Jewell, Kans. Water-heater. No. 1,228,243; May 29; v. 238; p. 1564.
- Poole, George A., Johnstown, Pa. Cue-tip. No. 1,235,051; July 31; v. 240; p. 1282.
- Poole, Jesse V., assignor of one-half to L. L. Livingston, Abington, Mass. Means for applying stitch-receiving ribs to innersoles. No. 1,244,891; Oct. 30; v. 243; p. 1209.
- Poole, Lora E., assignor to Anderson Button Attaching Machine Company, Anderson, Ind. Button-attaching machine. No. 1,215,987; Feb. 13; v. 235; p. 565.
- Poole, Lora E., assignor to Anderson Button Attaching Machine Company, Anderson, Ind. Button-feeding mechanism. No. 1,227,825; May 29; v. 238; p. 1425.
- Poole, Lora E., Anderson, Ind., assignor to Anderson Button Attaching Machine Company. Button-feeding mechanism. No. 1,229,134; June 5; v. 239; p. 255.
- Poor, Benjamin F., et al. (See Fern, Oscar, assignor.)
- Poor, George P., et al. (See Fern, Oscar, assignor.)
- Poore, Clarence J., and S. T. Pearsons, Rutland, Vt., assignors to B. M. Jones & Co., Inc., Boston, Mass. Swab-cup. No. 1,229,135; June 5; v. 239; p. 256.
- Pootmans, Eugene. (See Pootmans, Gaston, E., and G.)
- Pootmans, Gaston, E., and G., Regina, Saskatchewan, Canada. Shoe-shining and hat-dusting machine. No. 1,219,148; Mar. 13; v. 236; p. 476.
- Pootmans, George. (See Pootmans, Gaston, E., and G.)
- Pope, Alfred C., New York, N. Y. Foot-actuated musical instrument. No. 1,227,309; May 22; v. 238; p. 1222.
- Pope, Charles E. (See Beyer, Henry A., assignor.)
- Pope, Charles E., Holyoke, Mass. Paper-machine. No. 1,214,712; Feb. 6; v. 235; p. 82.
- Pope, Charles E., Holyoke, Mass., assignor to Great Northern Paper Company, Millinocket, Me. Winding-reel for paper. No. 1,248,542; Dec. 4; v. 245; p. 33.
- Pope, Edwin, Quebec, Quebec, Canada. Telegraph apparatus. No. 1,248,159; Nov. 27; v. 244; p. 985.
- Pope, Frank, and E. E. Randall, Kankakee, assignors to Paramount Knitting Company, Chicago, Ill. Knitting-machine needle. No. 1,241,882; Oct. 2; v. 243; p. 132.
- Pope, Frederick J., and A. W. Hahn, Douglas, Ariz. Recovering copper. No. 1,232,080; July 3; v. 240; p. 184.
- Pope, Frederick R., Willesden, London, England, assignor, by mesne assignments, to Duhrssen & Pfaltz, Inc. Shade for electric incandescent lamps. No. 1,229,784; June 12; v. 239; p. 522.
- Pope, Henry, North Adelaide, South Australia, Australia. Lever device for coupling hose and for other purposes connected with water systems. No. 1,225,271; May 8; v. 238; p. 452.
- Pope, Joseph H., Hamilton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-pricking machine. No. 1,234,384; July 24; v. 240; p. 1037.
- Popelka, Wenzel, Cincinnati, Ohio. Spool-holder. No. 1,243,550; Oct. 16; v. 243; p. 727.
- Popkess, Michael A., New York, N. Y. Plastic composition and method of making the same. No. 1,240,253; Sept. 18; v. 242; p. 552.
- Popkess, Michael A., New York, N. Y. Process of and machine for treating earthy material. No. 1,240,481; Sept. 18; v. 242; p. 624.
- Popkess, Michael A., Kansas City, Mo., assignor to Bituminized Road Company. Forming a paving material. No. 1,220,680; Mar. 27; v. 236; p. 1078.
- Popkess, Michael A., Kansas City, Mo., assignor to Bituminized Road Company. Pavement. No. 1,220,681; Mar. 27; v. 236; p. 1078.
- Popkess, Michael A., Kansas City, Mo., assignor to Bituminized Road Company. Pavement and making the same. No. 1,220,682; Mar. 27; v. 236; p. 1078.
- Popkess, Michael A., Kansas City, Mo., assignor to Bituminized Road Company. Manufacture of plastics. No. 1,240,252; Sept. 18; v. 242; p. 552.
- Popovich, Michael, Flint, Mich. Detachable heel for boots and shoes. No. 1,230,775; June 19; v. 239; p. 888.
- Popp, Julius H., Haven, Kans. Vending-machine. No. 1,219,662; Mar. 20; v. 236; p. 684.
- Poppe, Oscar, and Curt Michalkowski, von, Neukölln, near Berlin, Germany. Producing blocks of covering material. No. 1,236,349; Aug. 7; v. 241; p. 261.
- Poppenhagen, William H., Sumner township, Kankakee county, Ill. Saw-set. No. 1,217,822; Feb. 27; v. 235; p. 1301.
- Poppenhusen, Herman A., Hammond, assignor to Green Engineering Company, East Chicago, Ind. Furnace. No. 1,243,868; Oct. 23; v. 243; p. 862.
- Poppenhusen, Herman A., Hammond, assignor to Green Engineering Company, East Chicago, Ind. Furnace construction. No. 1,243,869; Oct. 23; v. 243; p. 862.

- Poppenhusen, Herman A., Hammond, assignor to Green Engineering Company, East Chicago, Ind. Furnace. No. 1,243,870; Oct. 23; v. 243; p. 862.
- Poppenhusen, Herman A., Hammond, assignor to Green Engineering Company, East Chicago, Ind. Furnace. No. 1,243,871; Oct. 23; v. 243; p. 863.
- Poppenhusen, Herman A., Hammond, assignor to Green Engineering Company, East Chicago, Ind. Furnace. No. 1,243,872; Oct. 23; v. 243; p. 863.
- Poppenhusen, Herman A., Hammond, Ind., and A. P. Strong, Chicago, Ill., assignors to Green Engineering Company, East Chicago, Ind. Pipe-connecting fitting. No. 1,237,381; Aug. 21; v. 241; p. 666.
- Poppenhusen, Herman A., Hammond, Ind., and A. P. Strong, Chicago, Ill., assignors to Green Engineering Company, East Chicago, Ind. Receptacle for ashes and the like. No. 1,243,873; Oct. 23; v. 243; p. 864.
- Poppenhusen, Herman A., Hammond, Ind., and A. P. Strong, Chicago, Ill., assignors to Green Engineering Company, East Chicago, Ind. Elbow-fitting. No. 1,243,874; Oct. 23; v. 243; p. 864.
- Popper & Co. Gesellschaft mit beschränkter Haftung. (See Zollinger, Adalbert, assignor.)
- Por, John. (See Jansa, Anton, assignor.)
- Porat, Karl H. V. von, Stocksund, Sweden. Furnace for pulverous fuel. No. 1,229,685; June 12; v. 239; p. 492.
- Porcher, Edward P., Charleston, S. C. One-man folding automobile-top. No. 1,244,366; Oct. 23; v. 243; p. 1010.
- Porcher, Jacob, Port Washington, Ohio. Attachment for lime-spreaders. No. 1,247,001; Nov. 20; v. 244; p. 620.
- Porcheron, Edmond D. (See Sternbergh, George E., assignor.)
- Porphir, Elmer, Pittsburg, Kans. Shot-firing device. No. 1,232,840; July 10; v. 240; p. 465.
- Porrazzo, Frank. (See Porrazzo, John and F.)
- Porrazzo, John and F., New York, N. Y. Folding table. No. 1,210,983; Jan. 2; v. 234; p. 209.
- Port-O-Phone Corporation, The. (See Porter, Stephen C., assignor.)
- Porte, Thomas J., Winnipeg, Manitoba, Canada. Golf-practising device. No. 1,224,410; May 1; v. 238; p. 107.
- Porteous, James, Fresno, Cal. Vineyard disk plow or cultivator. No. 1,248,706; Dec. 4; v. 245; p. 60.
- Porter, Ben E., Los Angeles, Cal. Door handle and lock. No. 1,236,979; Aug. 14; v. 241; p. 500.
- Porter, Burr E. (See Norris, Henry O., assignor.)
- Porter, Clarence H. (See Ruber and Porter.)
- Porter, Edgar E., Columbia, S. C. Centrifugal gun. No. 1,223,069; Apr. 17; v. 237; p. 795.
- Porter, Edgar S., Clifton, Colo. Detachable box-handle. No. 1,251,278; Dec. 25; v. 245; p. 952.
- Porter, Edwin H., Philadelphia, Pa. Pipe for the conveyance of fluids. No. 1,218,895; Mar. 13; v. 236; p. 391.
- Porter, Elbert B., Penn Yan, N. Y. Aspirator. No. 1,213,901; Jan. 30; v. 234; p. 1348.
- Porter, Finley R., Port Jefferson, N. Y., assignor to Knight American Patents Company, Chicago, Ill. Sleeve-valve engine. No. 1,214,822; Feb. 6; v. 235; p. 117.
- Porter, Finley R., assignor to Finley Robertson Porter Company, Inc., Port Jefferson, N. Y. Oil-pump. No. 1,238,817; Sept. 4; v. 242; p. 31.
- Porter, Finley R., assignor to Finley Robertson Porter Company, Inc., Port Jefferson, N. Y. Oil-pump. No. 1,238,818; Sept. 4; v. 242; p. 32.
- Porter, Finley R., assignor to Finley Robertson Porter Company, Inc., Port Jefferson, N. Y. Oil-pump. No. 1,238,819; Sept. 4; v. 242; p. 32.
- Porter, Frank A., and H. B. Arnold, assignors to The National Spring Bed Company, New Britain, Conn. Hammock. No. 1,224,859; May 1; v. 238; p. 262.
- Porter, Fred J., Columbus, Ohio. Sound-producer. No. 1,238,566; Aug. 28; v. 241; p. 1081.
- Porter, Henry K., Brookline, Mass. Cutting-tool. No. 1,247,716; Nov. 27; v. 244; p. 859.
- Porter, Herman P., Lakeland, Fla., assignor to Nu-Style Window Sash Company, Jersey City, N. J. Window-sash. No. 1,230,514; June 19; v. 239; p. 801.
- Porter, John G., Bridgeport, Nebr. Steering-coupling for automobiles. No. 1,222,666; Apr. 17; v. 237; p. 657.
- Porter, John W., St. Louis, Mo., assignor to Reliance Oil and Gas Burner Company, Burner. No. 1,229,517; June 12; v. 239; p. 435.
- Porter, John W., St. Louis, Mo., assignor to Reliance Oil and Gas Burner Company, Burner. No. 1,233,123; July 10; v. 240; p. 556.
- Porter, Joseph W., Oakland, and R. L. Arndt, San Francisco, Cal. Tractor-tread link. No. 1,237,814; Aug. 21; v. 241; p. 804.
- Porter, Ray S., assignor to Belden-Porter Gray Company, Minneapolis, Minn. Heating system. No. 1,226,694; May 22; v. 238; p. 1013.
- Porter, Roswell H., Weston, Mich. Window-screen. No. 1,212,676; Jan. 16; v. 234; p. 863.
- Porter Safety Seal Company. (See De Land, Theodore L., assignor.)
- Porter, Sidney C., East Liverpool, Ohio. Window-screen. No. 1,220,888; Mar. 27; v. 236; p. 1147.
- Porter, Stephen C., Brooklyn, N. Y. Phonic apparatus. No. 1,242,372; Oct. 9; v. 243; p. 327.
- Porter, Stephen C., Brooklyn, N. Y. Synchronizing apparatus. No. 1,250,351; Dec. 18; v. 245; p. 628.
- Porter, Stephen C., New York, assignor to The Port-O-Phone Corporation, Esopus, N. Y. Telephone apparatus. No. 1,246,817; Nov. 13; v. 244; p. 381.
- Porter, Willard E., and A. L. R. Ellis, Lynn, Mass., assignors to General Electric Company. Electrical measuring instrument. No. 1,241,275; Sept. 25; v. 242; p. 906.
- Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Device for regulating balance-wheels. No. 1,226,998; May 22; v. 238; p. 1120.
- Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Electric clock. No. 1,228,819; June 5; v. 239; p. 151.
- Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Device for regulating balance-wheels. No. 1,228,820; June 5; v. 239; p. 152.
- Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Alarm-clock. No. 1,240,482; Sept. 18; v. 242; p. 624.
- Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Alarm-clock. No. 1,240,483; Sept. 18; v. 242; p. 625.
- Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Alarm-clock. No. 1,240,484; Sept. 18; v. 242; p. 625.
- Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Center-friction for clocks and watches. No. 1,241,148; Sept. 25; v. 242; p. 863.
- Porter, Winfield P., New York, N. Y. Pneumatic valve. No. 1,247,326; Nov. 20; v. 244; p. 713.
- Portesi, Santos, and J. Taini, Del Rio, Tex. Nut-lock. No. 1,231,064; June 26; v. 239; p. 1025.
- Portland Safety Signal Company. (See Simpson, John C. and L. F., assignors.)
- Porwska, Marta, Brooklyn, N. Y. Glass-grinding machine. No. 1,234,562; July 24; v. 240; p. 1096.
- Porzel, Joseph, Buffalo, N. Y. Electric heater. No. 1,216,605; Feb. 20; v. 235; p. 838.
- Position-Light Signal Company, The. (See Coleman, John P., assignor.)
- Position-Light Signal Company, The. (See Rudd, Alexander H., assignor.)
- Positive-Rail Anchor Company. (See Ferguson, Lee C., assignor.)
- Positive Rail Anchor Company. (See Told, Arnold H., assignor.)
- Pospischil, Emil. (See Kleinschmidt, Halpern, and Pospischil.)
- Posson, Edward, Chicago, Ill. Ventilator for refrigerator-cars. No. 1,218,896; Mar. 13; v. 236; p. 391.
- Posson, Edward, Chicago, Ill. Car-door. No. 1,225,272; May 8; v. 238; p. 452.
- Posson, Edward, assignor to Camel Company, Chicago, Ill. Door-hanger. No. 1,249,664; Dec. 11; v. 245; p. 387.
- Posson, Fay E., Park Ridge, assignor to Safety First Manufacturing Co., Chicago, Ill. Paint-removing compound and making the same. No. 1,223,518; Apr. 24; v. 237; p. 983.
- Posson, Fay E., Park Ridge, assignor to Safety First Manufacturing Co., Chicago, Ill. Luggage-rack for sleeping-cars. No. 1,249,488; Dec. 11; v. 245; p. 337.
- Possons, Minard A., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Forming pipe-taps. No. 1,210,692; Jan. 2; v. 234; p. 109.
- Post, Clarence H., Seattle, Wash. Lard and flour mixer. No. 1,218,116; Mar. 6; v. 236; p. 80.
- Post, Edward R., Toledo, assignor to one-fourth to C. Q. Moore, Ottawa, Ohio. Nut-lock. No. 1,235,594; Aug. 7; v. 241; p. 21.
- Post, Ernest K., and J. S. Gensheimer, Altoona, Pa. Release-lock for switches. No. 1,223,611; Apr. 24; v. 237; p. 1014.
- Post Machine Co. (See Post, Nathaniel B., assignor.)
- Post, Nathaniel B., assignor to Post Machine Co., Chicago, Ill. Corn-popping machine. No. 1,251,279; Dec. 25; v. 245; p. 953.
- Post, William C., Brewster, Minn. Tire. No. 1,219,350; Mar. 13; v. 236; p. 544.
- Postcraft Company, The. (See Reichhelm, George L., assignor.)
- Poster, William. (See Nias and Poster.)
- Postles, William F., Portland, Oreg. Bracket-support. No. 1,247,449; Nov. 20; v. 244; p. 748.
- Postolowski, John, New York, N. Y. Envelop. No. 1,230,023; June 12; v. 237; p. 600.
- Poston, Robert J., Georgetown, S. C. Cotton-chopper. No. 1,248,160; Nov. 27; v. 244; p. 985.
- Poteet, Perry, and D. F. Jeffrey, Jeanerette, La. Shing-tripping device. No. 1,230,515; June 19; v. 239; p. 802.
- Potenza, Teodosio, New Haven, Conn. Stove-lid lifter. No. 1,226,367; May 15; v. 238; p. 870.
- Potier, Louis, Yarmouth, Nova Scotia, Canada. Trawl-tub. No. 1,221,904; Apr. 10; v. 237; p. 347.
- Pott, Frank B., Leadville, Colo. Ore-sampler. No. 1,215,988; Feb. 13; v. 235; p. 566.
- Potter, Alfred K., assignor to E. A. Potter Company, Providence, R. I. Pocket manicure implement. No. 1,240,485; Sept. 18; v. 242; p. 625.

Alphabetical list of patentees—Continued.

- Potter, Bernard U., Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation. Multiple piston or bucket pump. No. 1,249,665; Dec. 11; v. 245; p. 387.
- Potter, Frederick D., Linden, N. J. Signal apparatus for combustion control. No. 1,246,656; Nov. 13; v. 244; p. 483.
- Potter, Horace G., Seattle, Wash. Pump attachment for automobiles. No. 1,222,027; Apr. 10; v. 237; p. 390.
- Potter, James C., Pawtucket, R. I. Power-operated lathe-chuck. No. 1,211,622; Jan. 9; v. 234; p. 459.
- Potter, James C., Pawtucket, R. I. Gearing for turret-lathes and other mechanism. No. 1,225,487; May 8; v. 238; p. 527.
- Potter, John C., Alexandria, S. D. Oil-can. No. 1,211,960; Jan. 9; v. 234; p. 582.
- Potter & Johnston Machine Company. (See Curtis, Myron S., assignor.)
- Potter and Johnston Machine Company. (See Winter, William R., assignor.)
- Potter, Joseph. (See McKinzie, Mortimer, assignor.)
- Potter, Lincoln, Worcester, Mass. Wheel. No. 1,232,081; July 3; v. 240; p. 185.
- Potter, Miles S., Syracuse, N. Y. Window-screen. No. 1,235,241; July 31; v. 240; p. 1337.
- Potter, Miles S., Syracuse, N. Y., and W. Noble, Detroit, Mich., assignors to United States Steel Furniture Company, Syracuse, N. Y. Metallic waste-basket. No. 1,234,085; July 17; v. 240; p. 903.
- Potter, Morgan, Beacon, N. Y. Vehicle-brake. No. 1,214,713; Feb. 6; v. 235; p. 82.
- Potter, Robert P., Sound Beach, assignor to The C. D. Potter Co., Stamford, Conn. Pedal mechanism for player-pianos. No. 1,231,295; June 26; v. 239; p. 1102.
- Potter, Robert S., Greenwich, and P. Mikkelsen, assignors to The Yale & Towne Manufacturing Company, Stamford, Conn. Door check and closer. No. 1,240,778; Sept. 18; v. 242; p. 714.
- Potter, Rutherford B., Brighton, Colo. Grade-indicator for automobiles. No. 1,232,394; July 3; v. 240; p. 285.
- Potter, Thomas I., assignor to Coin Machine Manufacturing Company, Portland, Ore. Change-delivering machine. No. 1,215,408; Feb. 13; v. 235; p. 356.
- Potter, Thomas I., assignor to Coin Machine Manufacturing Company, Portland, Ore. Coin-ejecting machine. No. 1,216,606; Feb. 20; v. 235; p. 838.
- Potter, William J., Weston, Mass. Device for priming internal-combustion motors. No. 1,239,518; Sept. 11; v. 242; p. 282.
- Potter, Winfield S., Pittsburgh, Pa. Heat treatment and manufacture of woven screens. No. 1,212,553; Jan. 16; v. 234; p. 816.
- Potter, Winfield S., assignor of one-half to L. M. Slack, New York, N. Y. Carbon-steel car-wheel. No. 1,213,902; Jan. 30; v. 234; p. 1348.
- Potthoff, Gerhard T., Brooklyn, N. Y. Plating apparatus. No. 1,233,602; July 17; v. 240; p. 751.
- Potthoff, Louis, Flushing, N. Y. Electroplating apparatus. No. 1,243,098; Oct. 16; v. 243; p. 594.
- Pottinger, Ray W., Charleston, S. C. Swing. No. 1,240,089; Sept. 11; v. 242; p. 460.
- Potts, Anna R., and J. M. Crow, San Diego, Cal. Invalid's bed attachment. No. 1,215,850; Feb. 13; v. 235; p. 517.
- Potts, Hugh, Houston, Tex. Attachment for internal-combustion engines. No. 1,236,866; Aug. 14; v. 241; p. 464.
- Potts, Jacob L. (See Tucker and Potts.)
- Potts, Joseph, Harrisburg, Ill. Acetylene-lamp. No. 1,217,060; Feb. 20; v. 235; p. 990.
- Potts, Louis M., assignor to A. McLanahan, Baltimore, Md. Selective signaling apparatus. No. 1,229,201; June 5; v. 239; p. 278.
- Potts, Louis M., assignor to A. McLanahan, Baltimore, Md. Telegraphic receiver. No. 1,229,202; June 5; v. 239; p. 278.
- Potts, William C., Harrisburg, Pa. Graphophone. No. 1,229,518; June 12; v. 239; p. 435.
- Potvin, Mary A., assignor of one-half to E. E. Robb, Detroit, Mich. Combined tag and toy. No. 1,219,770; Mar. 20; v. 236; p. 720.
- Pouchan, Germain, assignor of one-third to C. W. Ayers, San Francisco, and one-third to H. Gaytes, Oakland, Cal. Electric ice-cutter. No. 1,250,010; Dec. 11; v. 245; p. 488.
- Pougher, Arthur W., Manchester, England. Detachable and interchangeable tread for footwear. No. 1,236,350; Aug. 7; v. 241; p. 261.
- Poulallon, Gaston P., et al. (See Suchanek, Venceslas, assignor.)
- Poulallon, Germain A., et al. (See Suchanek, Venceslas, assignor.)
- Poull, Theodore, Birmingham, Ala. Roof-crown for open-hearth furnaces. No. 1,214,066; Jan. 30; v. 234; p. 1405.
- Poulsen, Valdemar. (See Pedersen and Poulsen.)
- Pound, Eimer A., Venice, Cal. Automatic traffic-regulator. No. 1,240,090; Sept. 11; v. 242; p. 461.
- Pound, George W. (See Huber, John F., assignor.)
- Pound, Guy A., Wasco, Oreg. Securing-clasp. No. 1,215,058; Feb. 6; v. 235; p. 203.
- Poundstone, Earl C., Mellen, Wis. Releasable pocket for the stakes of logging-cars. No. 1,218,117; Mar. 6; v. 236; p. 80.
- Pouvallsmith Corporation. (See Morgan, Henry S., assignor.)
- Pouvallsmith Corporation. (See Smith, Grant E., assignor.)
- Povlotzky, Philip, Chicago, Ill. Starting device for internal-combustion engines. No. 1,234,563; July 24; v. 240; p. 1096.
- Powell, Alfred S., New York, N. Y. Semi-indirect lighting device. No. 1,239,038; Sept. 4; v. 242; p. 102.
- Powell, Alvah L., Stockton, Cal. assignor of forty-nine fiftieths to The A. L. Powell Power Company, Roundup, Mont. Mechanical movement. No. 1,217,823; Feb. 27; v. 235; p. 1302.
- Powell, Ambrose E., Caron, Saskatchewan, Canada. Tire-shoe. No. 1,213,410; Jan. 23; v. 234; p. 1148.
- Powell, Arthur W., Taylorville, Ill. Dental-floss holder. No. 1,221,586; Apr. 3; v. 237; p. 205.
- Powell, Claude B., Guymon, Okla. Draft-equalizer. No. 1,241,442; Sept. 25; v. 242; p. 955.
- Powell, Elizabeth D., Titusville, Fla. Hat-pin. No. 1,213,903; Jan. 30; v. 234; p. 1349.
- Powell, Forrest M., assignor of one-fourth to J. P. Crangle and one-fourth to E. Davis, Chicago, Ill. Furnace draft-regulator. No. 1,213,944; Jan. 30; v. 234; p. 1361.
- Powell, Frank D., assignor to The Lamson Company, Boston, Mass. Spread-wire carrier-despatch system. No. 1,210,984; Jan. 2; v. 234; p. 210.
- Powell, Frank D., assignor to The Lamson Company, Boston, Mass. Upsend wire-line carrier. No. 1,213,006; Jan. 16; v. 234; p. 976.
- Powell, George E., assignor of one-fourth to R. Pierson, one-fourth to P. Parr, and one-fourth to R. Ebner, Chicago Heights, Ill. Pneumatic stabilizer for vessels. No. 1,220,551; Mar. 27; v. 236; p. 1034.
- Powell, Harry H., London, England, assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Automatic electric regulator with stop-charge relay. No. 1,215,704; Feb. 13; v. 235; p. 466.
- Powell, Jefferson D., Searcy, Ark. Tractor. No. 1,222,989; Apr. 17; v. 237; p. 767.
- Powell, Lura D., Swampscott, Mass. Combined vehicle and hobby-horse. No. 1,226,590; May 15; v. 238; p. 939.
- Powell, Milton C., Ralston, Nebr. Kitchen-cabinet. No. 1,225,054; May 8; v. 238; p. 380.
- Powell, Milton V. (See Cox and Powell.)
- Powell, Monteville, South Lebanon, Ohio. Needle-threader. No. 1,217,061; Feb. 20; v. 235; p. 991.
- Powell, Nathan H., et al. (See Hill, Judson W., assignor.)
- Powell, Robert R., White Plains, N. Y. Hanger. No. 1,236,867; Aug. 14; v. 241; p. 464.
- Powell, Thaddeus L., Ashland, Oreg. Pencil-holder. No. 1,246,318; Nov. 13; v. 244; p. 382.
- Powell, William H., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Dynamo-electric machine. No. 1,214,067; Jan. 30; v. 234; p. 1405.
- Powell, William J., Ocean City, N. J. Bowling apparatus. No. 1,224,322; May 1; v. 238; p. 75.
- Power, Albert H., assignor of one-half to H. G. Waterman, Toronto, Ontario, Canada. Register for hot-air heating apparatus. No. 1,245,123; Oct. 30; v. 243; p. 1278.
- Power Developing Company. (See Johnson, Louis F., assignor.)
- Power, John A., Hampton, N. J. Closure. No. 1,223,106; Apr. 17; v. 237; p. 808.
- Power, Nicholas, Brooklyn, assignor to Nicholas Power Company, New York, N. Y. Motor driving mechanism. No. 1,242,976; Oct. 16; v. 243; p. 554.
- Power, Nicholas, Brooklyn, assignor to Nicholas Power Company, New York, N. Y. Frictional gearing. No. 1,250,652; Dec. 18; v. 245; p. 717.
- Power Specialty Company. (See Foster, Ernest H., assignor.)
- Power Specialty Company. (See Page, Frank L. G., assignor.)
- Power Washing Machine Co. (See Altorfer, Alpheus W., assignor.)
- Power Wheel Manufacturing Company. (See Van Antwerp, George, assignor.)
- Power, William M., Port Chester, N. Y. Internal-combustion engine. No. 1,235,725; Aug. 7; v. 241; p. 62.
- Power y Zabala, Jose, Dundee, Scotland. Machine for sewing plaited soles. No. 1,247,002; Nov. 20; v. 244; p. 621.
- Powers Accounting Machine Company. (See Goerlitz, Hans, assignor.)
- Powers Accounting Machine Company. (See Koch, Frederick, assignor.)
- Powers Accounting Machine Company. (See Lasker, William W., assignor.)
- Powers Accounting Machine Company. (See Powers, James, assignor.)
- Powers, Charles C., assignor of one-third to J. T. Utnik and one-third to L. De Bold, Williams, Ariz. Electromagnet. No. 1,231,193; June 26; v. 239; p. 1069.
- Powers, Frank B., Springfield, Mass. Silent type-writing mechanism. No. 1,234,086; July 17; v. 240; p. 903.
- Powers, Franklin G., Kansas City, Mo. Combined mitering and type-high-leveling machine. No. 1,219,041; Mar. 13; v. 236; p. 440.

- Powers, Fred W., assignor to The Powers Regulator Company, Chicago, Ill. Temperature-control valve. No. 1,217,344; Feb. 27; v. 235; p. 1132.
- Powers, George G., Los Angeles, Cal. Hypodermic needle. No. 1,217,630; Feb. 27; v. 235; p. 1236.
- Powers, George G., assignor to Union Wire Mattress Company, Chicago, Ill. Bed-spring. No. 1,243,099; Oct. 16; v. 243; p. 594.
- Powers, Herman M., Pierce City, Mo. Flue-cutter. No. 1,240,779; Sept. 18; v. 242; p. 715.
- Powers, James, assignor, by mesne assignments, to Powers Accounting Machine Company, New York, N. Y. Tabulating-machine. No. 1,224,411; May 1; v. 238; p. 107.
- Powers, James, assignor, by mesne assignments, to Powers Accounting Machine Company, New York, N. Y. Analyzing and recording mechanism. No. 1,224,412; May 1; v. 238; p. 108.
- Powers, James, assignor to Powers Accounting Machine Company, New York, N. Y. Combined printing mechanism and perforating-machine. No. 1,224,413; May 1; v. 238; p. 108.
- Powers, James, assignor to Powers Accounting Machine Company, New York, N. Y. Hammer-lock for tabulating mechanism. No. 1,234,385; July 24; v. 240; p. 1038.
- Powers, James, assignor to Powers Accounting Machine Company, New York, N. Y. Card-accounting machine. No. 1,236,481; Aug. 14; v. 241; p. 337.
- Powers, James, assignor to Powers Accounting Machine Company, New York, N. Y. Split-pin box for sorting-machines. No. 1,236,482; Aug. 14; v. 241; p. 338.
- Powers, James, assignor, by mesne assignments, to Powers Accounting Machine Company, New York, N. Y. Selective and totalizing count-action for card-sorting machines. No. 1,240,601; Sept. 18; v. 242; p. 659.
- Powers, James, assignor to Powers Accounting Machine Company, New York, N. Y. Repeat perforating mechanism. No. 1,242,721; Oct. 9; v. 243; p. 439.
- Powers, James, assignor to Powers Accounting Machine Company, New York, N. Y. Tabulator-printer for statistical purposes. No. 1,245,502; Nov. 6; v. 244; p. 107.
- Powers, James, assignor to Powers Accounting Machine Company, New York, N. Y. Printer-tabulator. No. 1,245,503; Nov. 6; v. 244; p. 108.
- Powers, James, assignor to Powers Accounting Machine Company, New York, N. Y. Tabulator printing-machine. No. 1,245,504; Nov. 6; v. 244; p. 109.
- Powers, James, assignor to Powers Accounting Machine Company, New York, N. Y. Electrical card-tabulating machine. No. 1,245,505; Nov. 6; v. 244; p. 109.
- Powers, James, assignor to Powers Accounting Machine Company, New York, N. Y. Automatic total-taking mechanism for accounting-machines. No. 1,245,506; Nov. 6; v. 244; p. 110.
- Powers, James, assignor to Powers Accounting Machine Company, New York, N. Y. Card-verifying machine. No. 1,245,765; Nov. 6; v. 244; p. 187.
- Powers, James, assignor to Powers Accounting Machine Company, New York, N. Y. Combination sales-slip and statistical-card-record recorder. No. 1,248,543; Dec. 4; p. 245; p. 34.
- Powers, James, assignor to Powers Accounting Machine Company, New York, N. Y. Rack and stand for record-cards. No. 1,250,220; Dec. 18; v. 245; p. 589.
- Powers, John E., Pike, N. Y. Combination electric switch. No. 1,250,502; Dec. 18; v. 245; p. 673.
- Powers, John N., assignor to United States Ordnance Company, Washington, D. C. Detonating-fuse. No. 1,224,414; May 1; v. 238; p. 108.
- Powers, John N., assignor to United States Ordnance Co., Washington, D. C. Wheel. No. 1,227,197; May 22; v. 238; p. 1186.
- Powers, John N., and A. Y. Leech, Jr., assignors to United States Ordnance Company, Washington, D. C. Powder-tank closure. No. 1,243,974; Oct. 23; v. 243; p. 893.
- Powers, John P., Ossining, N. Y. Wheeled can-carrier. No. 1,249,489; Dec. 11; v. 245; p. 337.
- Powers, Luther B., San Diego, Cal. Inlet-valve for flush-tanks. No. 1,241,656; Oct. 2; v. 243; p. 60.
- Powers, Patrick, Cairo, Ill. Power-driven farming implement. No. 1,247,450; Nov. 20; v. 244; p. 748.
- Powers Photo Engraving Company. (See Leitner, Emil, assignor.)
- Powers Regulator Company. (See Snediker, Morton O., assignor.)
- Powers Regulator Company, The. (See Powers, Fred W., assignor.)
- Powers, Richard, Pittsburgh, Pa. Liquid-level indicator. No. 1,224,786; May 1; v. 238; p. 238.
- Powers, Richard C., Alktow, Saskatchewan, Canada. Post-hole auger. No. 1,217,062; Feb. 20; v. 235; p. 991.
- Powers, Robert E., assignor of one-half to J. H. Allen, New York, N. Y. Car-coupling. No. 1,236,759; Aug. 14; v. 241; p. 431.
- Powers, Timothy B., assignor to The Jacobs Bros. Co., Inc., New York, N. Y. Weighing-scale. No. 1,233,124; July 10; v. 240; p. 556.
- Powers, Timothy B., assignor to Jacobs Bros., Inc., New York, N. Y. Market weighing-scales. No. 1,245,766; Nov. 6; v. 244; p. 188.
- Powers, William A., Topeka, Kans. Locomotive hot-water washing and filling system. No. 1,235,525; July 31; v. 240; p. 1424.
- Pownall, Henry D., Canton, Ohio. Ice-machine compressor. No. 1,249,822; Dec. 11; v. 245; p. 434.
- Poynter, William E., assignor of one-half to W. E. Mayer, Cincinnati, Ohio. Photographic flash-light apparatus. No. 1,210,834; Jan. 2; v. 234; p. 156.
- Poznanski, Maurice J., Geneva, Switzerland. Process and composition for the manufacture of artificial-stone slabs. No. 1,234,692; July 24; v. 240; p. 1134.
- Pozzi, Romeo, Oakland, Cal. Hot-air furnace. No. 1,217,126; Feb. 20; v. 235; p. 1014.
- Prachar, John, assignor of one-third to C. P. Kreuzer and one-third to F. G. Julyan, Cleveland, Ohio. Safety attachment for presses. No. 1,248,707; Dec. 4; v. 245; p. 83.
- Prache, Charles, Paris, France. Electrical control mechanism. No. 1,212,554; Jan. 16; v. 234; p. 817.
- Präzisionsgusswerke System Schmidt-Reichhardt G. m. b. H. (See Talla, Heinrich, assignor.)
- Pragst, George G., assignor to D. & W. Fuse Company, Providence, R. I. Magnetic chuck. No. 1,212,555; Jan. 16; v. 234; p. 817.
- Prahar, Robert L., Massapequa, N. Y. Bag-jaw fastener. No. 1,237,382; Aug. 21; v. 241; p. 667.
- Prahl, Hugo, Dusseldorf, Germany. Clockwork-escape-ment for mechanical time-fuses. No. 1,214,068; Jan. 30; v. 234; p. 1405.
- Prahl, Hugo, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf - Derendorf, Germany. Mechanical time-fuse. No. 1,214,069; Jan. 30; v. 231; p. 1406.
- Prahl, Hugo, Dusseldorf, assignor to Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf - Derendorf, Germany. Fuse for shells. No. 1,214,586; Feb. 6; v. 235; p. 36.
- Prahl, Willi A., Salt Lake City, Utah. Stovepipe-fastener. No. 1,211,349; Jan. 2; v. 234; p. 333.
- Prassone, Eugenio. (See Cortesi, Prassone, Erani, and Contin.)
- Prater, Solomon B. (See Fischer, Leigh H., assignor.)
- Prather, Jesse F., Mount Airy, N. C. Humidifier for tobacco. No. 1,249,490; Dec. 11; v. 245; p. 337.
- Pratt & Cady Company. (See Luce, Thomas C., assignor.)
- Pratt and Cady Company. (See Martin, Edgar C., assignor.)
- Pratt, Benjamin H., Milwaukee, assignor to The Federal Rubber Company, Cudahy, Wis. Blow-out patch for pneumatic tires. No. 1,226,909; May 22; v. 238; p. 1087.
- Pratt, Charles A., assignor to Goodman Manufacturing Company, Chicago, Ill. Sanding device for storage-battery locomotives. No. 1,217,631; Feb. 27; v. 235; p. 1237.
- Pratt, Charles A., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for handling coal, &c. No. 1,232,082; July 3; v. 240; p. 185.
- Pratt, Charles A., assignor to The Goodman Manufacturing Company, Chicago, Ill. Mining-machine. No. 1,249,823; Dec. 11; v. 245; p. 435.
- Pratt, Charles E., Chicago, Ill. Telephone pay-station. No. 1,216,357; Feb. 20; v. 235; p. 749.
- Pratt, Charles M., Towanda, Pa. Stamp-moistener. No. 1,221,587; Apr. 3; v. 237; p. 205.
- Pratt, Charles R., Montclair, N. J., assignor to Universal Speed Control Company. Means for controlling and synchronizing fluid-gears. No. 1,211,961; Jan. 9; v. 234; p. 582.
- Pratt, Chelsea C., Mankato, Minn. Automobile-headlight. No. 1,240,780; Sept. 18; v. 242; p. 715.
- Pratt, Frederic W., Vancouver, British Columbia, Canada. Film-holder. No. 1,234,800; July 31; v. 240; p. 1202.
- Pratt, George W., Oakland, Cal. Handcuff. No. 1,216,491; Feb. 20; v. 235; p. 797.
- Pratt, Henry B., St. Paul, Minn. Bead for necklaces and similar articles. No. 1,245,965; Nov. 6; v. 244; p. 247.
- Pratt, Howell D., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Ice-sawing machine. No. 1,225,488; May 8; v. 238; p. 528.
- Pratt, Howell D., Philadelphia, Pa., assignor to Link-Belt Company, Chicago, Ill. Apparatus for charging refrigerator-cars with ice. No. 1,247,575; Nov. 20; v. 244; p. 783.
- Pratt, James R., assignor to Lake Erie Manufacturing Co. Inc., Buffalo, N. Y. Pump-valve. No. 1,222,579; Apr. 10; v. 237; p. 586.
- Pratt, John L., Detroit, Tex. Foot-rest for school-desks. No. 1,216,492; Feb. 20; v. 235; p. 797.
- Pratt, John T. (See Greuter, Charles R., assignor.)
- Pratt, John T. (See Suplee, Henry H., assignor.)
- Pratt and Letchworth Company. (See O'Connor, John E., assignor.)
- Pratt, Lenora, Visalia, Cal. Lawn-mower. No. 1,241,762; Oct. 2; v. 243; p. 94.
- Pratt, Lewis M., Iola, Kans. Automobile-jack. No. 1,251,280; Dec. 25; v. 245; p. 953.
- Pratt, Merrill E. (See Young, Laurence C., assignor.)
- Pratt, Milford A., Lebanon, Ind. Turbine-engine. No. 1,216,162; Feb. 13; v. 235; p. 630.
- Pratt Read Player Action Company, The. (See Moore and Fisher, assignors.)

Alphabetical list of patentees—Continued.

- Pratt, Walter E., Berkeley, assignor to D. L. Thornbury, Oakland, Cal. Clothes-line reel. No. 1,244,445; Oct. 23; v. 243; p. 1034.
- Pratt, Walter M., Detroit, Mich. Reinforced-concrete floor construction. No. 1,244,641; Oct. 30; v. 243; p. 1132.
- Pratt & Whitney. (See Dow, Richard F., assignor.)
- Pratt & Whitney Company. (See Hanson, Bengt M. W., assignor.)
- Pratt & Whitney Company. (See Henrikson, Emanuel, assignor.)
- Pratt & Whitney Company. (See Henrikson and Frederickson, assignors.)
- Pratt & Whitney Company. (See Peterson, Gustaf E., assignor.) (Reissue.)
- Pratt, William, and G. Pegg, Leicester, England, assignors to United Shoe Machinery Company, Paterson, N. J. Machine for inserting fastenings. No. 1,219,484; Mar. 20; v. 236; p. 621.
- Pratt, William B., Wellesley, Mass. Gum and making the same. No. 1,240,875; Sept. 25; v. 242; p. 778.
- Pratt, William E., Chicago, Ill. Gas-tank holder. No. 1,210,985; Jan. 2; v. 234; p. 210.
- Pratton, John A., Trent, Oreg. Walking-cultivator. No. 1,215,188; Feb. 6; v. 235; p. 246.
- Prazinka, John. (See Schramko and Prazinka.)
- Pre-Heated Air Company. (See Tacy, Samuel H., assignor.)
- Preble, Edwin N., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Gage mechanism for sole-pressing machines. No. 1,221,214; Apr. 3; v. 237; p. 76.
- Prechel, August C., assignor of one-half to T. B. Selfert, Cottonwood, Minn. Washing-machine. No. 1,243,551; Oct. 16; v. 243; p. 727.
- Precision Metal Workers. (See Grunwald, Albert C., assignor.)
- Precision Thermometer & Instrument Company. (See Waser, Carl R., assignor.)
- Preddey, Walter G., San Francisco, Cal. Carbon-feeding mechanism. No. 1,239,720; Sept. 11; v. 242; p. 348.
- Prehall, William F. (See Axolsson, Charli, assignor.)
- Premier Cushion Spring Co. (See Hawes, Frederick W., assignor.)
- Premier Machine Company. (See Nicholas, William, assignor.)
- Premier Machine Company. (See Nicholas and Ackerman, assignors.)
- Premier Manufacturing Company. (See Donaldson, Margaret, assignor.)
- Prendergast, Alois P. (See Brown and Kain, assignors.)
- Prendergast, Edward, St. Louis, Mo. Rail-fastener. No. 1,214,587; Feb. 6; v. 235; p. 37.
- Preneveault, Telephor, International Falls, Minn. Shovel. No. 1,247,451; Nov. 20; v. 244; p. 749.
- Prenosil, Anthony J., assignor of one-half to F. J. Malxner, Dwight, Nebr. Contalner for maulage. No. 1,227,658; May 29; v. 238; p. 1367.
- Prentice, George E., New Britain, Conn. Making snap-fasteners. No. 1,214,481; Jan. 30; v. 234; p. 1545.
- Prentice, George E., New Britain, Conn. Snap-hook. No. 1,251,415; Dec. 25; v. 245; p. 993.
- Prentice, George E., assignor to The G. E. Prentice Manufacturing Company, New Britain, Conn. Cast-off. No. 1,216,163; Feb. 13; v. 235; p. 630.
- Prentice, George E., assignor to The G. E. Prentice Manufacturing Company, New Britain, Conn. Binder for cord ends. No. 1,217,107; Feb. 20; v. 235; p. 1007.
- Prentice, George J., New York, N. Y. Attachment for cigar-molds. No. 1,235,595; Aug. 7; v. 241; p. 21.
- Prentice, John, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Steam-superheater. No. 1,242,473; Oct. 9; v. 243; p. 359.
- Prentiss, Albert N., Washington, D. C. Puzzle. No. 1,238,699; Aug. 28; v. 241; p. 1120.
- Prenzel, Adam H., Halifax, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe. No. 1,216,358; Feb. 20; v. 235; p. 749.
- Prenzel, Adam H., Halifax, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Making a shoe-filler. No. 1,217,213; Feb. 27; v. 235; p. 1089.
- Prenzel, Adam H., Halifax, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe-filler composition. No. 1,217,214; Feb. 27; v. 235; p. 1089.
- Prenzel, Adam H., Halifax, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe. No. 1,217,215; Feb. 27; v. 235; p. 1089.
- Prenzel, Adam H., Halifax, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe. No. 1,219,585; Mar. 20; v. 236; p. 657.
- Prenzel, Adam H., Halifax, Pa., assignor to United Shoe Machinery Company, Paterson, N. J. Shoe. No. 1,230,216; June 19; v. 239; p. 703.
- Presby, George P., West Bridgewater, Mass., assignor to Beckwith Box Toe Company, Dover, N. H. Counter-stiffener. No. 1,219,999; Mar. 20; v. 236; p. 801.
- Presby, George P., West Bridgewater, Mass., assignor to Beckwith Box Toe Company, Dover, N. H. Making shoes. No. 1,240,794; Sept. 18; v. 242; p. 719.
- Preschlin, Paul E., Oberuzwil, Switzerland. Applying firmly adhesive metal casings to iron cores. No. 1,242,589; Oct. 9; v. 243; p. 398.
- Prescott, Arthur T., East Orange, N. J., assignor to George H. Frothingham Company, New York, N. Y. Turnover door. No. 1,213,945; Jan. 30; v. 234; p. 1362.
- Prescott, Arthur W., Binghamton, N. Y. Register. No. 1,233,125; July 10; v. 240; p. 557.
- Prescott, Charles F., assignor of one-half to W. A. Selts, Brooklyn, N. Y. Locomotive driving-box. No. 1,219,866; Mar. 20; v. 236; p. 755.
- Prescott, Harry H., and E. H. Considine, Chicago, Ill. Double check-valve. No. 1,240,254; Sept. 18; v. 242; p. 553.
- Prescott, Henry A., Bethlehem, Pa. Speed-multiplying mechanism. No. 1,220,454; Mar. 27; v. 236; p. 1000.
- Prescott, John, et al. (See Prescott, Thomas, assignor.)
- Prescott, Sydney L., New York, N. Y. Internal-combustion engine. No. 1,224,566; May 1; v. 238; p. 161.
- Prescott, Thomas, assignor of one-fourth to J. Prescott and one-fourth to J. Waywell, Paterson, N. J. Warring-machine. No. 1,250,221; Dec. 18; v. 245; p. 590.
- Pressed Metal Radiator Company. (See Sonneborn, Charles, assignor.)
- Pressed Steel Car Company. (See Elder, Thomas W., Jr., assignor.)
- Pressed Steel Car Company. (See Koch, Felix, assignor.)
- Pressed Steel Car Company. (See Lindstrom, Charles A., assignor.)
- Pressed Steel Car Company. (See Lockwood, Burns D., assignor.)
- Pressed Steel Car Company. (See Ristine, George W., Jr., assignor.)
- Pressed Steel Equipment Company, The. (See Bell, Dillwyn M., assignor.)
- Pressed Steel Equipment Company, The. (See Heft, Seth H., assignor.)
- Pressed Steel Products Company. (See Mittinger, George E., assignor.)
- Pressey, Verne T., Waverley, Mass. Automatic safety-gate for railways. No. 1,237,091; Aug. 14; v. 241; p. 536.
- Pressler, Walter F., Tosca, Tex. Automatic water-supply regulator for windmills. No. 1,245,616; Nov. 6; v. 244; p. 144.
- Prest-O-Lite Company, The. (See Noble and Gossling, assignors.)
- Preston, Alston L. (See Hines, William J., assignor.)
- Preston, Cyrus, Kelsey, Tex. Baling-press. No. 1,234,937; July 31; v. 240; p. 1246.
- Preston, Darwin E., and H. E. Priser, Dayton, Ohio. Spraying apparatus. No. 1,241,551; Oct. 2; v. 243; p. 27.
- Preston, David Y., Jr., Downfield, Dundee, Scotland. Combination toy. No. 1,247,003; Nov. 20; v. 244; p. 621.
- Preston, Frederick A., Highland Park, assignor to The P. & M. Co., Chicago, Ill. Two-way anticreeper. No. 1,217,127; Feb. 20; v. 235; p. 1015.
- Preston, Frederick A., Highland Park, assignor to The P. & M. Co., Chicago, Ill. Rail-anchor. No. 1,219,771; Mar. 20; v. 236; p. 721.
- Preston, Frederick A., Highland Park, assignor to The P. & M. Co., Chicago, Ill. Anticreeper. No. 1,219,772; Mar. 20; v. 236; p. 721.
- Preston, Frederick A., Highland Park, assignor to The P. & M. Co., Chicago, Ill. Anticreeper. No. 1,228,597; June 5; v. 239; p. 76.
- Preston, George E., L. G. Palmer, and O. S. Winesburg, Elkhart, Ind. Paper-drying machinery. No. 1,216,359; Feb. 20; v. 235; p. 749.
- Preston, John E., London, England. Galvanic battery. No. 1,213,535; Jan. 23; v. 234; p. 1192.
- Preston, Stephen, Roanoke, Va. Dental appliance. No. 1,237,092; Aug. 14; v. 241; p. 537.
- Prostwich, Frank M., New York, N. Y. Coat. No. 1,234,564; July 24; v. 240; p. 1096.
- Prostwich, Frank M., New York, N. Y. Cuff. No. 1,241,479; Sept. 25; v. 242; p. 966.
- Pretlow, Thomas B., Appomattox, Va. Peanut-harvester. No. 1,233,805; July 17; v. 240; p. 813.
- Prétot, Victor E., Paris, France. Machine for finishing shells. No. 1,228,598; June 5; v. 239; p. 76.
- Prettie, Richard J., Jamaica, N. Y., assignor to The Aeolian Company. Convertible sound-box. No. 1,216,839; Feb. 20; v. 235; p. 916.
- Prettyman, William F. (See Talbott and Prettyman.)
- Pretzel, Herman H., Stillwater, Minn. Grease-gun. No. 1,222,667; Apr. 17; v. 237; p. 658.
- Preville, Christian de, Paris, France. Compressed-air water-raising apparatus. No. 1,237,308; Aug. 21; v. 241; p. 642.
- Prevost, Alphonzo, Douglas, Ariz. Match-box. No. 1,237,954; Aug. 21; v. 241; p. 848.
- Prewitt, John C., and C. Hendricks, Santa Margarita, Cal. Windmill. No. 1,221,090; Apr. 3; v. 237; p. 31.
- Preyer, Frederick W., assignor to The Gibbs Manufacturing Company, Canton, Ohio. Embroidery-hoop. No. 1,244,892; Oct. 30; v. 243; p. 1209.
- Price, Arthur, Auburndale, Mass. Fireless furnace. No. 1,235,840; Aug. 7; v. 241; p. 102.
- Price, Arthur L., Toronto, Kans. Comb-cleaner. No. 1,215,851; Feb. 13; v. 235; p. 517.
- Price, Bingham S., Bawilns, Wyo. Valve. No. 1,211,876; Jan. 9; v. 234; p. 549.

- Price-Campbell Cotton Picker Corporation. (See Calderwood, Benjamin C., assignor.)
- Price, Claude E., Spokane, Wash. Confectionery. No. 1,236,380; Aug. 7; v. 241; p. 270.
- Price, David R., Winthrop, assignor to G. K. Woodworth, trustee, Brookline, Mass. Inductance-coil. No. 1,213,689; Jan. 23; v. 234; p. 1245.
- Price, Edgar F., Port Chester, assignor to Electro Metallurgical Company, New York, N. Y. Electric furnace. No. 1,239,214; Sept. 4; v. 242; p. 158.
- Price, Edgar F., Port Chester, assignor to Electro Metallurgical Company, New York, N. Y. Electric furnace. No. 1,239,215; Sept. 4; v. 242; p. 158.
- Price, Edmund D., Grover, Colo. Shoe-lace fastener. No. 1,245,023; Oct. 30; v. 243; p. 1248.
- Price Electric Devices Corporation. (See Price, John R., assignor.)
- Price, Frank. (See Kauffman, Harry M., assignor.)
- Price, Frank L. (See Mansbach, Conrad B., assignor.)
- Price, Harry, Boston, Mass. Torpedo-guard for vessels. No. 1,248,708; Dec. 4; v. 245; p. 83.
- Price, Henry A., and J. E. Grant, Terrell, Tex. Automatic alarm for railway-crossings. No. 1,215,989; Feb. 13; v. 235; p. 566.
- Price, Henry F., Riverside, Conn., assignor, by mesne assignments, to The Budget Cheque Corporation, Chicago, Ill. Bill-payment form. No. 1,240,255; Sept. 18; v. 242; p. 553.
- Price, James A., assignor to Price Oil Tank Works, Inc., New Orleans, La. Liquid-dispensing device. No. 1,251,281; Dec. 25; v. 245; p. 953.
- Price, James W., Champaign, Ill. Clothes-rack. No. 1,243,216; Oct. 16; v. 243; p. 629.
- Price, James W., assignor to Price Manufacturing Company, Henryetta, Okla. Shade-roller. No. 1,247,452; Nov. 20; v. 244; p. 749.
- Price, John, assignor of one-half to A. Scheuer, Tyler, Tex. Door-fastener. No. 1,250,653; Dec. 18; v. 245; p. 718.
- Price, John C., Wevaco, W. Va. Tire grinding and truing machine. No. 1,218,459; Mar. 6; v. 236; p. 198.
- Price, John R., Wilkinsburg, Pa., assignor to Price Electric Devices Corporation, Basic City, Va. Apparatus for starting internal-combustion engines. No. 1,243,875; Oct. 23; v. 243; p. 864.
- Price, John T., Ellston, Iowa. Sliding bed. No. 1,232,602; July 10; v. 240; p. 386.
- Price, Joseph A., New York, N. Y. Device for attaching and detaching electric bulbs. No. 1,210,835; Jan. 2; v. 234; p. 156.
- Price, Joseph H., Boncath, Wales. Sight for rifles, pistols, and the like. No. 1,237,955; Aug. 21; v. 241; p. 848.
- Price, Judson, Poplar Bluff, Mo. Sewer-cleaning means. No. 1,215,189; Feb. 6; v. 235; p. 246.
- Price, Judson, Poplar Bluff, Mo. Waste-pipe-cleaning means. No. 1,215,190; Feb. 6; v. 235; p. 247.
- Price, Julius S., San Francisco, Cal. Motor-vehicle. No. 1,247,004; Nov. 20; v. 244; p. 621.
- Price Manufacturing Company. (See Price, James W., assignor.)
- Price, Martin T., Savannah, Ga. Blanker. No. 1,218,697; Mar. 13; v. 236; p. 318.
- Price, Norman, Brooklyn, N. Y. Flush-tank. No. 1,241,276; Sept. 25; v. 242; p. 906.
- Price Oil Tank Works. (See Price, James A., assignor.)
- Price, Raymond B., New York, N. Y., assignor to Rubber Regenerating Company. Manufacture of articles embodying fibrous filaments and vulcanizable plastics. No. 1,211,228; Jan. 2; v. 234; p. 293.
- Price, Raymond B., New York, N. Y., assignor to Rubber Regenerating Company. Making conveyer-belts. No. 1,211,350; Jan. 2; v. 234; p. 333.
- Price, Raymond B., New York, N. Y., assignor to Rubber Regenerating Company. Manufacturing rubber articles. No. 1,211,351; Jan. 2; v. 234; p. 333.
- Price, Raymond B., New York, N. Y., assignor to Rubber Regenerating Company. Treating sheets of vulcanizable plastics. No. 1,211,487; Jan. 9; v. 234; p. 413.
- Price, Raymond B., New York, N. Y., assignor to Rubber Regenerating Company. Rubber boot or shoe and manufacturing same. No. 1,211,962; Jan. 9; v. 234; p. 582.
- Price, Raymond B., New York, N. Y., assignor to Rubber Regenerating Company. Manufacture of tires. No. 1,235,052; July 31; v. 240; p. 1282.
- Price, Raymond B., New York, N. Y., assignor to Rubber Regenerating Company. Vulcanizing rubber. No. 1,237,554; Aug. 21; v. 241; p. 722.
- Price, Raymond B., New York, N. Y., assignor to New York Belting and Packing Company. Sole for boots and shoes. No. 1,242,977; Oct. 16; v. 243; p. 555.
- Price, Raymond B., New York, and W. J. Steinle, Elmhurst Heights, N. Y., assignors to Rubber Regenerating Company. Treatment of materials. No. 1,211,370; Jan. 2; v. 234; p. 338.
- Price, Raymond B., New York, N. Y., and T. Whittelsey, Upper Montclair, N. J., assignors to The Goodyear's Metallic Rubber Shoe Company. Material used in the manufacture of articles of clothing. No. 1,245,268; Nov. 6; v. 244; p. 38.
- Price and Teeple Plano Company. (See Freborg, Charles, assignor.)
- Price, Thomas M., and J. W. Tillman, Cooper, Tex. Clothes pin or retainer. No. 1,239,962; Sept. 11; v. 242; p. 425.
- Price, Willard S., Syracuse, N. Y. Vehicle-wheel. No. 1,242,237; Oct. 9; v. 243; p. 285.
- Price, William C., Beattyville, Ky. Lock-nut. No. 1,228,130; May 29; v. 238; p. 1527.
- Price, William H., Butte, Mont. Device for holding mine-cages. No. 1,215,409; Feb. 13; v. 235; p. 356.
- Price, William J., Dixon, Ill. Separator for grinding-mills. No. 1,223,612; Apr. 24; v. 237; p. 1015.
- Price, William J., Poteau, Okla. Stock-guard. No. 1,241,763; Oct. 2; v. 243; p. 94.
- Price, William O., Selma, La. Rail-joint. No. 1,234,801; July 31; v. 240; p. 1202.
- Price, William W., Dayton, Ohio. Apparatus for forming flanged annular bands or sleeves. No. 1,210,531; Jan. 2; v. 234; p. 53.
- Price, William W., Elm Grove, W. Va. Valve-removing tool. No. 1,218,460; Mar. 6; v. 236; p. 198.
- Price, William W., assignor to The Dayton Pipe Coupling Company, Dayton, Ohio. Clamp for couplings. No. 1,240,486; Sept. 18; v. 242; p. 625.
- Price, William K., Selah, Wash. Fruit-sizing machine. No. 1,246,463; Nov. 13; v. 244; p. 426.
- Prichard, Charles H., and F. W. Wetherell, Broadheath, assignors to Linotype and Machinery Limited, London, England. Means for measuring or check-measuring the dimensions of solid bodies. No. 1,234,702; July 24; v. 240; p. 1136.
- Prickett, William C., Birmingham, Ala. Cotton-picker. No. 1,233,907; July 17; v. 240; p. 847.
- Prickett, William C., Birmingham, Ala. Cotton-picker. No. 1,234,386; July 24; v. 240; p. 1038.
- Priddy, Emerson B., Chicago, Ill. Collapsible-tube holder. No. 1,247,600; Nov. 20; v. 244; p. 790.
- Priddy, Myhalz H. D., Richmond, Cal. Dairy-can. No. 1,237,093; Aug. 14; v. 241; p. 538.
- Pride, John H., assignor to O. A. Berman, Cincinnati, Ohio. Fountain-brush. No. 1,230,325; June 19; v. 239; p. 739.
- Priebe, Herman C., Blue Island, Ill. Draft-gear. No. 1,248,398; Nov. 27; v. 244; p. 1051.
- Priebe, Herman C., Blue Island, Ill. Draft-gear. No. 1,248,399; Nov. 27; v. 244; p. 1051.
- Priebe, Herman C., Blue Island, Ill. Draft-gear. No. 1,248,400; Nov. 27; v. 244; p. 1051.
- Priel, James, Overton, Nebr. Apparatus for sharpening the teeth of sickle-bars. No. 1,231,425; June 26; v. 239; p. 1146.
- Priest, Augustus F., Oak Park, Ill. Resilient heel and the like. No. 1,231,296; June 26; v. 239; p. 1102.
- Priest, Charles H., Los Angeles, Cal. Grease-arrester for shafts. No. 1,240,602; Sept. 18; v. 242; p. 660.
- Priest, Edward D., Schenectady, N. Y. Sleeping-car. No. 1,225,854; May 15; v. 238; p. 693.
- Priest, Edward D., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. No. 1,222,464; Apr. 10; v. 237; p. 544.
- Priest, Edward D., Schenectady, N. Y., assignor to General Electric Company. Dynamo-electric machine. No. 1,222,465; Apr. 10; v. 237; p. 545.
- Priest, Elvin. (See Derck and Priest.)
- Prieto, Manuel, *et al.* (See Teresa, Antonio, assignor.)
- Prieto, Manuel, A. Teresa, and M. Goizueta, Habana, Cuba. Vehicle-wheel. No. 1,233,126; July 10; v. 240; p. 557.
- Prifold, George, Linwood, assignor to The Congoleum Company, Philadelphia, Pa. Printing-block for block-printing machines. No. 1,218,461; Mar. 6; v. 236; p. 198.
- Prigan, Ernest W., assignor of one-fourth to G. T. Smith, Akron, one-fourth to F. M. Kirk, Cleveland, and one-fourth to L. E. Fischman, Akron, Ohio. Rotary engine. No. 1,230,923; June 26; v. 239; p. 975.
- Prihoda, Fred F. J., New Rochelle, N. Y. Watch. No. 1,244,127; Oct. 23; v. 243; p. 939.
- Prim, Arthur W., Liverpool, and F. W. Roper, Sheffield, England. Apparatus for maintaining a uniform temperature in railway freight-vans. No. 1,228,699; June 5; v. 239; p. 110.
- Primavera, Vincent, and G. Gallo, New York, N. Y. Cigarette-case. No. 1,226,591; May 15; v. 238; p. 940.
- Primavese, Thunselda C., Corona, N. Y. Dedicating eggs. No. 1,226,999; May 22; v. 238; p. 1120.
- Primm, James H., Chicago, Ill. Ironing-board. No. 1,213,255; Jan. 23; v. 234; p. 1095.
- Primm, James I., Tampa, Fla. Elevator-guide lubricator. No. 1,216,607; Feb. 20; v. 235; p. 839.
- Primolite Co. (See Cassidy, Ulysses G., assignor.)
- Primolite Co. (See Cassidy and George, assignors.)
- Primos Chemical Company. (See Davis, Royal S., assignor.)
- Primrose, Donald L. (See Davis and Primrose.)
- Primser, Karl A., *et al.* (See Smolik, Mathias, assignor.)
- Prince, Bianca and H., New York, N. Y. Combined brassiere and girdle. No. 1,212,677; Jan. 16; v. 234; p. 863.
- Prince, Carl P. (See Hettinger and Prince.)
- Prince, Clarence E. (See Durkee and Prince.)
- Prince, Clifton O., Winchester, Tenn. Finger-cot. No. 1,231,194; June 26; v. 239; p. 1069.
- Prince, Henrietta. (See Prince, Bianca and H.)
- Prince, John. (See Nilson and Prince.)
- Prince, John D., New York, N. Y. Tread-surface for boots and shoes. No. 1,226,247; May 15; v. 238; p. 828.

Alphabetical list of patentees—Continued.

- Prince, Joseph T. (See Laird, Frederick, assignor.)
 Prince, Robert E., Madison, Wis., dedicated, by mesne assignments, to Government of the United States and to the people of the United States. Fireproofing fibrous materials. No. 1,216,729; Feb. 20; v. 235; p. 379.
 Prindle, William E., assignor to Buckeye Drier Company, London, Ohio. Mechanical rotary drier. No. 1,222,244; Apr. 10; v. 237; p. 467.
 Pring, John N. (See Tainton and Pring.)
 Pringle, Robert W., Gatooma, Southern Rhodesia, South Africa. Crushing machinery. No. 1,237,383; Aug. 21; v. 241; p. 667.
 Pringle, Robert W., Gatooma, Southern Rhodesia, South Africa. Wheel. No. 1,244,543; Oct. 30; v. 243; p. 1103.
 Printasign Company, The. (See Elmblad, Hjalmar, assignor.)
 Printograph Manufacturing Co. (See Duscher, Ernest, assignor.)
 Prinz, Charles H., Fruitvale, Cal. Lock. No. 1,239,039; Sept. 4; v. 242; p. 102.
 Prinzler, Carl J., assignor to Vonnegut Hardware Company, Indianapolis, Ind. Adjustable strike. No. 1,245,617; Nov. 6; v. 244; p. 144.
 Prioleau, William L. S., London, England. Apparatus for effecting the destructive distillation of carbonaceous material. No. 1,237,094; Aug. 14; v. 241; p. 538.
 Prior, Charles M. (See Botty and Prior.)
 Priser, Harry E. (See Preston and Priser.)
 Pritchard, Carl G., Warren, assignor to The Harris Automatic Press Company, Niles, Ohio. Feeder. No. 1,242,978; Oct. 16; v. 243; p. 555.
 Pritchard, Charles, Booneville, Iowa. Sleigh. No. 1,219,042; Mar. 13; v. 236; p. 441.
 Pritchard, Clarence F., New York, N. Y. Picture-puzzle. No. 1,217,632; Feb. 27; v. 235; p. 1237.
 Pritchard, Herbert, Downingtown, Pa. Railway. No. 1,213,946; Jan. 30; v. 234; p. 1362.
 Pritchard, James W., La Grange, Ky. Cistern strainer and filter. No. 1,230,024; June 12; v. 239; p. 600.
 Pritchard, John J., Moseley, Birmingham, England. Inflated apparatus for preventing drowning and assisting swimming. No. 1,217,824; Feb. 27; v. 235; p. 1302.
 Pritchard, Lewis C., assignor to International Sav-a-Life Fender Co., Cleveland, Ohio. Steering-wheel. No. 1,232,969; July 10; v. 240; p. 508.
 Pritchard, Samuel A., Van Meter, Iowa. Throttle-controller for automobiles. No. 1,228,244; May 29; v. 238; p. 1564.
 Pritchett, William H., U. S. Marine Corps. Portable field shower-bath. No. 1,241,764; Oct. 2; v. 243; p. 94.
 Pritchett, William H., U. S. Marine Corps. Shower-bath fixture. No. 1,241,765; Oct. 2; v. 243; p. 94.
 Pritchett, William V., Blooming Grove, Tex. Header. No. 1,223,201; Apr. 17; v. 237; p. 841.
 Privett, Henry C., Long Beach, Cal. Continuous exhaust-box for preserve-containing cans. No. 1,226,592; May 15; v. 238; p. 940.
 Privett, Henry C., Los Angeles, Cal. Continuous-agitating cooker. No. 1,226,593; May 15; v. 238; p. 940.
 Privett, Henry C., Long Beach, Cal., assignor to Pacific Canning Machinery Company. Can-opener. No. 1,214,823; Feb. 6; v. 235; p. 118.
 Privett, Henry C., assignor to Pacific Canning Machinery Company, Long Beach, Cal. Can-conveyer. No. 1,225,172; May 8; v. 238; p. 419.
 Prizma Incorporated. (See Raleigh and Kelley, assignors.)
 Prizma Incorporated. (See Wohl and Mayer, assignors.)
 Process Company, The. (See Coast, John W., Jr., assignor.)
 Probst, John P., Marion, Ohio. Filter. No. 1,247,875; May 27; v. 244; p. 905.
 Probst, William G., Louisville, Ky. Boiler-stand. No. 1,234,087; July 17; v. 240; p. 904.
 Process Paper Manufacturing Company. (See McCloskey, Alfred C., assignor.)
 Prochaska, Carroll W., New York, N. Y., assignor, by mesne assignments, to Actus Carburetor & Manufacturing Co., Inc. Carburetor. No. 1,240,876; Sept. 25; v. 242; p. 778.
 Prociow, Roman. (See Tomaszewsky and Prociow.)
 Prock, Silas P., Erick, Okla. Animal-yoke. No. 1,241,443; Sept. 25; v. 242; p. 955.
 Procker, Leopold, New York, N. Y. Combination faucet and filter. No. 1,212,104; Jan. 9; v. 234; p. 626.
 Proctor, Alfred W., deceased; G. H. Proctor, administratrix, Brooklyn, N. Y., assignor, by mesne assignments, to E. A. Shea, Boston, Mass. Stop-motion for high-speed machines. No. 1,246,821; Nov. 13; v. 244; p. 531.
 Proctor, Charles H., Sheboygan, Wis. Folding berry-box. No. 1,223,202; Apr. 17; v. 237; p. 841.
 Proctor, Charles M., Detroit, Mich. Gong. No. 1,237,384; Aug. 21; v. 241; p. 667.
 Procter and Gamble Company, The. (See Dewar and Liebmann, assignors.)
 Proctor, George A., Watertown, Mass., assignor to Lovell-McConnell Manufacturing Company. Mechanical horn. No. 1,232,603; July 10; v. 240; p. 386.
 Proctor, Georgietta H., administratrix. (See Proctor, Alfred W.)
 Proctor, John A., Revere, Mass., assignor to Wireless Specialty Apparatus Company, Boston, Mass. Radio receiving apparatus. No. 1,211,963; Jan. 9; v. 234; p. 582.
 Proctor, John B., Butler, Ind. Gun-cleaner. No. 1,222,028; Apr. 10; v. 237; p. 390.
 Proctor, Robert H., New York, N. Y. Cot for use in automobiles. No. 1,236,351; Aug. 7; v. 241; p. 262.
 Proctor, William R., Athena, Oreg. Weather-strip. No. 1,240,603; Sept. 18; v. 242; p. 660.
 Procunier, Frank R., assignor of three-fourths to W. M. Collins, Chicago, Ill. Combined automobile bumper and lock. No. 1,245,124; Oct. 30; v. 243; p. 1278.
 Products Dispensing Company. (See Kavgas, Nicklaus, assignor.)
 Proebstel, Delbert W., Treadwell, Alaska. Water-stage indicator. No. 1,229,785; June 12; v. 239; p. 524.
 Progressive Wire Goods Co. (See Farley, Walter G., assignor.)
 Prohaska, Melichar, Cistern, Tex. Weeding-plow. No. 1,248,010; Nov. 27; v. 244; p. 942.
 Prohaska, William, Earlham, Iowa. Feed-regulator. No. 1,247,453; Nov. 20; v. 244; p. 749.
 Prohovsky, August. (See Nasse, Robert, assignor.)
 Prokop, Prokop J., New York, N. Y. Airship. No. 1,244,367; Oct. 23; v. 243; p. 1010.
 Prometheus Electric Company, The. (See Woerner, William L., assignor.)
 Prominski, Ignacy E., Brooklyn, N. Y. Railway-switch. No. 1,235,379; July 31; v. 240; p. 1379.
 Pronk, Ralph, Edgerton, Minn. Litter-carrier. No. 1,244,368; Oct. 23; v. 243; p. 1011.
 Pronovost, Joseph, Detroit, Mich. Spring-frame for resilient wheels. No. 1,220,890; Mar. 27; v. 236; p. 1148.
 Pronovost, Joseph, assignor to Pronovost Torsion Spring Wheel Company, Detroit, Mich. Resilient wheel. No. 1,220,889; Mar. 27; v. 236; p. 1147.
 Pronovost Torsion Spring Wheel Company. (See Pronovost, Joseph, assignor.)
 Proske, Theodore H., Denver, Colo. Apparatus for forming lugs upon a drill-steel. No. 1,214,070; Jan. 30; v. 234; p. 1406.
 Proskey, Winfield S., Reno, Nev. Running-gear for automobiles and other vehicles. No. 1,243,217; Oct. 16; v. 243; p. 629.
 Prosser, Joe B., Clinton, Okla. Feed-shaft. No. 1,243,100; Oct. 16; v. 243; p. 595.
 Prostredny, Alajos, Johnstown, Pa. Manually-operable rocking-chair. No. 1,241,277; Sept. 25; v. 242; p. 907.
 Protected Metal Company. (See Caffrey, James H., assignor.)
 Protective Signal Manufacturing Company, The. (See Neahr, Will C., assignor.)
 Prött, Karl, Hagen, Westphalia, Germany. Ring-valve used in pressure-water motors and pressure-pumps. No. 1,237,693; Aug. 21; v. 241; p. 767.
 Proudft, Edwin B., Westfield, N. J., assignor to The Aeolian Company. Note-sheet for automatic musical instruments. No. 1,218,698; Mar. 13; v. 236; p. 318.
 Proudft, William S., Grand Rapids, Mich. Loose-leaf binder. No. 1,222,668; Apr. 17; v. 237; p. 658.
 Proudft, William S., Grand Rapids, Mich. Loose-leaf binder. No. 1,224,664; May 1; v. 238; p. 196.
 Proudft, W. S., W. H. Edwards, and A. F. Winters, Grand Rapids, Mich.; said Winters assignor to said Proudft and said Edwards. Loose-leaf binder. No. 1,249,666; Dec. 11; v. 245; p. 388.
 Proulx, Ernest E., Williamansett, Mass. Antiskidding device. No. 1,242,238; Oct. 9; v. 243; p. 285.
 Prout, George T. (See Stanfield, James A., assignor.)
 Provandie, Herbert F., Melrose, assignor to American Water Supply Company of New England, Boston, Mass. Machine for spraying paper receptacles. No. 1,220,552; Mar. 27; v. 236; p. 1034.
 Provident Systems Corporation. (See Taylor, Frederick F., assignor.)
 Provine, George H., et al. (See Thompson, George F., assignor.)
 Provost, Peter, Milwaukee, Wis. Grain cleaner and washer. No. 1,244,542; Oct. 30; v. 243; p. 1102.
 Prowant, Daniel, Continental, Ohio. Lap-robe lock. No. 1,243,218; Oct. 16; v. 243; p. 629.
 Prox, Herman C., assignor to Frank Prox Co., Terre Haute, Ind. Roller-bearing car-wheel. No. 1,217,892; Feb. 27; v. 236; p. 1324.
 Pruden, Allan K., St. Paul, Minn. Metal building-wall construction. No. 1,250,654; Dec. 18; v. 245; p. 718.
 Pruden, Clarence D., Baltimore, Md. Wall structure for sheet-metal houses. No. 1,224,665; May 1; v. 238; p. 196.
 Pruefert, August J. E., East Aurora, N. Y. Poultry drinking-fountain. No. 1,226,594; May 15; v. 238; p. 941.
 Pruessman, Albert, Berwyn, Ill. assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical apparatus. No. 1,244,642; Oct. 30; v. 243; p. 1132.
 Pruitt, Conrad D., Berkeley, assignor of one-half to W. B. Joost, Alameda, Cal. Sign-flasher. No. 1,242,861; Oct. 9; v. 243; p. 484.
 Pruitt, Eugene R., Baltimore, Md. Hot-water heating system. No. 1,249,824; Dec. 11; v. 245; p. 435.

- Pruitt, Oran M., assignor to Indiana Air Pump Company, Indianapolis, Ind. Air-lift separator-pump. No. 1,214,951; Feb. 6; v. 235; p. 164.
- Pruitt, Oran M., assignor to Indiana Air Pump Company, Indianapolis, Ind. Air-lift pump. No. 1,214,952; Feb. 6; v. 235; p. 165.
- Prussner, Henry F., P. Nash, and J. Manger, Brooklyn, N. Y. Window. No. 1,213,947; Jan. 30; v. 234; p. 1363.
- Pruszyński, Adolph J. (See Roebuck and Pruszyński.)
- Prutzman, Paul W., Berkeley, Cal. Apparatus for dehydrating oil. No. 1,238,331; Aug. 28; v. 241; p. 1005.
- Pruver, Albert, Brooklyn, N. Y. Arch-support heel. No. 1,249,667; Dec. 11; v. 245; p. 388.
- Pruyn, Francis L., New York, N. Y. Combined steel and concrete pile. No. 1,225,855; May 15; v. 238; p. 694.
- Pruyn, Henry S., Jr., *et al.* (See Von Elbertz, Frankwill, assignor.)
- Pruyn, Frederic, Albany, N. Y., and W. J. De Reamer, Verona, assignors to Seamless Products Corporation, East Orange, N. J. Machine for making articles from pulp. No. 1,211,229; Jan. 2; v. 234; p. 293.
- Pryor, Clarence E. (See Grouss, John, assignor.)
- Pryor, Henry L. (See Calvert and Pryor.)
- Public Safety Device Company, The. (See Barringer, Worth R., assignor.)
- Public Service Cup Company. (See Claus, Emil A., assignor.)
- Public Service Cup Company. (See Nias and Poster, assignors.)
- Puccini, Aurelio A., Corona, and D. Evangelist, New York, N. Y. Letter-conveyer. No. 1,221,588; Apr. 3; v. 237; p. 205.
- Puchalski, Jan, and P. Kielkiewicz, Cleveland, Ohio. Scrubbing device. No. 1,229,136; June 5; v. 239; p. 256.
- Pucher, Lois, Detroit, Mich. Package-carrier. No. 1,232,970; July 10; v. 240; p. 508.
- Puckett, C. N., *et al.* (See Kramer, James, assignor.)
- Puckett, Ralph C., Iowa City, Iowa. Antirattler. No. 1,236,352; Aug. 7; v. 241; p. 262.
- Puckett, Robert B., and H. R. Abbott, St. Louis, Mo. Method for use in heel and heel-seat construction. No. 1,231,789; July 3; v. 240; p. 85.
- Puderbaugh, David C., El Dorado, Pa. Truck for handling automobiles. No. 1,230,326; June 19; v. 239; p. 739.
- Pudlin, David, New York, N. Y. Eye for dolls. No. 1,221,589; Apr. 3; v. 237; p. 206.
- Pudney, Sydney H., Toronto, Ontario, Canada. Smoke-consumer and fuel-economizer. No. 1,230,776; June 19; v. 239; p. 889.
- Pue, Richard B., Baltimore, Md. Chair. No. 1,237,956; Aug. 21; v. 241; p. 848.
- Pues, Chester F., Navarino, Wis. Steel game-trap. No. 1,231,065; June 26; v. 239; p. 1026.
- Puffer, Alfred E. (See Toussaint, Puffer, and Anderson.)
- Pugh, James A., Cardiff, Wales. Personal equipment for carrying purposes. No. 1,230,025; June 12; v. 239; p. 601.
- Pugh, John C., assignor to one-half to Whitehead, Morris & Company, Limited, London, England. Inking mechanism for printing-machines. No. 1,243,341; Oct. 16; v. 243; p. 666.
- Pugh, John D., Harrisburg, Pa. Hot-metal car. No. 1,251,282; Dec. 25; v. 245; p. 954.
- Pugh, John V., Allesley, assignor to Rudge Whitworth, Limited, Coventry, England. Twin rim for wire-spoked vehicle-wheels. No. 1,239,824; Sept. 11; v. 242; p. 382.
- Pugh, John V., and W. Blair, assignors to Rudge-Whitworth Limited, Coventry, England. Vehicle-wheel. No. 1,234,387; July 24; v. 240; p. 1039.
- Pugh, Moses N., Fayne, Ohio. Lifting-tool. No. 1,234,565; July 24; v. 240; p. 1097.
- Pugh Stores Company. (See Farrell and Keller, assignors.)
- Pugh Stores Company. (See Payne, Noah, assignor.)
- Pugh, William E., Seattle, Wash. Tire. No. 1,227,000; May 22; v. 238; p. 1120.
- Pugliese, Tony, Los Banos, Cal. Combination garden-tool. No. 1,245,024; Oct. 30; v. 243; p. 1248.
- Puglisi, Frank B., New Brunswick, N. J. Rotary vernier-callipers. No. 1,219,149; Mar. 13; v. 236; p. 476.
- Puhl, Max O., Fredericksburg, Tex. Emergency-door for safes. No. 1,243,101; Oct. 16; v. 243; p. 595.
- Puissant, Marie, St. Gratien, near Paris, France. Publicity apparatus. No. 1,218,699; Mar. 13; v. 236; p. 319.
- Pullar, Harold B., Lawrenceville, Ill. Bitumen product. No. 1,248,909; Dec. 4; v. 245; p. 141.
- Pullara, Giovanni, Pueblo, Colo. Chest and means for locking the same. No. 1,221,215; Apr. 3; v. 237; p. 76.
- Pullard, Waldo E., Cumberland, Md. Baggage-check protector. No. 1,213,007; Jan. 16; v. 234; p. 977.
- Pullen, Barzillai, assignor to A. Leckey, Camden, N. J. Safety gas-coupling device. No. 1,230,026; June 12; v. 239; p. 601.
- Pullinger, Thomas C. W., near Dumfries, Scotland, assignor to American B. H. P. Aero Engine Corporation, New York, N. Y. Aluminium or other light metal casting for internal-combustion engines. No. 1,226,595; May 15; v. 238; p. 941.
- Pullman Company, The. (See Oberly, Chester C., assignor.)
- Pullman Company, The. (See Parke and Knapp, assignors.)
- Pullman Company, The. (See Shuler, Edward A., assignor.)
- Pullman Couch Company. (See Hann, William E., assignor.)
- Pulver, Gordon W., Branchport, N. Y. Leaf-turner. No. 1,235,053; July 31; v. 240; p. 1282.
- Pupke, Arnold W., New York, N. Y. Machine for the continuous manufacture of cement and other tile or pipe. No. 1,211,230; Jan. 2; v. 234; p. 294.
- Purcell, Frank L., Frederick, Okla. Barrel-support. No. 1,250,655; Dec. 18; v. 245; p. 718.
- Purcell, John C., Bellevue, Ohio. Wrench. No. 1,213,008; Jan. 16; v. 234; p. 977.
- Purcell, Joseph D., Oak Park, Ill. Nut-lock. No. 1,245,966; Nov. 6; v. 244; p. 247.
- Purcell, Michael J., San Francisco, Cal. Gas-radiator. No. 1,236,353; Aug. 7; v. 241; p. 262.
- Purcell, Roy W., St. Paul, Minn. Electric fixture. No. 1,248,161; Nov. 27; v. 244; p. 985.
- Purdy, Frederick, assignor of one-half to F. Bain, La Grange, Ill. Controlling device for internal-combustion engines. No. 1,246,319; Nov. 13; v. 244; p. 382.
- Purdy, Joseph, Paterson, N. J. Building-block. No. 1,236,483; Aug. 14; v. 241; p. 338.
- Purdy, Orange K., Prescott, Wash. Resilient tire. No. 1,232,971; July 10; v. 240; p. 508.
- Puring, John, assignor to Robeson Process Company, New York, N. Y. Dyeing. No. 1,236,868; Aug. 14; v. 241; p. 464.
- Puritan Chemical Company. (See Emott, James T., assignor.)
- Purity Baking Company. (See Kelley, Harry R., assignor.)
- Purkey, Benjamin S., Tacoma, Wash. Insulator. No. 1,251,416; Dec. 25; v. 245; p. 993.
- Purnell, John W., Morristown, Tenn. Electric bath-tub heater. No. 1,222,669; Apr. 17; v. 237; p. 658.
- Purnell, John W., assignor of one-half to E. B. Fisher, Morristown, Tenn. Electric stove. No. 1,229,786; June 12; v. 239; p. 524.
- Purple, George F., La Grange, Ill., assignor to Flexible Steel Lacing Company, Chicago, Ill. Belt-fastening. No. 1,212,258; Jan. 16; v. 234; p. 712.
- Purvis, John W., Detroit, and L. W. Steeves, Jackson, Mich. Feed-water heater or superheater for fire-tube boilers. No. 1,229,787; June 12; v. 239; p. 524.
- Puschnerus, Frank, New York, N. Y. Automatic starter for talking-machines. No. 1,251,100; Dec. 25; v. 245; p. 900.
- Putnam, Alden L., assignor to Detroit Pressed Steel Company, Detroit, Mich. Composite bearing for wrought-metal structures and forming the same. No. 1,217,633; Feb. 27; v. 235; p. 1238.
- Putnam, Alden L., assignor to Detroit Pressed Steel Company, Detroit, Mich. Metallic wheel. No. 1,242,590; Oct. 9; v. 243; p. 398.
- Putnam, Alden L., assignor to Detroit Pressed Steel Company, Detroit, Mich. Reinforced and protected wooden vehicle-wheel. No. 1,245,269; Nov. 6; v. 244; p. 38.
- Putnam, Alden L., assignor to Detroit Pressed Steel Company, Detroit, Mich. Forming tapering cross-section disks. No. 1,245,270; Nov. 6; v. 244; p. 38.
- Putnam, Alden L., assignor to Detroit Pressed Steel Company, Detroit, Mich. Forming a pressed-sheet-metal article. No. 1,249,825; Dec. 11; v. 245; p. 435.
- Putnam, Alden L., assignor to Detroit Pressed Steel Company, Detroit, Mich. Vehicle-wheel. No. 1,249,826; Dec. 11; v. 245; p. 436.
- Putnam, Alden L., assignor to Detroit Pressed Steel Company, Detroit, Mich. Demountable vehicle-wheel. No. 1,249,827; Dec. 11; v. 245; p. 436.
- Putnam, Alfred R., Valparaiso, Ind. Drag-saw. No. 1,212,678; Jan. 16; v. 234; p. 863.
- Putnam, Charles O. (See Bailey and Putnam.)
- Putnam, Charlotte M., Falls City, Nebr. Reversible husk-mitten. No. 1,237,694; Aug. 21; v. 241; p. 768.
- Putman, Frank W., Newport, R. I. Eye-testing apparatus. No. 1,230,027; June 12; v. 239; p. 601.
- Putnam, Fred A., Melrose, Mass. Making gold or other metal leaf impressions. No. 1,243,552; Oct. 16; v. 243; p. 728.
- Putnam, Fred A., Melrose, Mass. Making gold or other metal leaf impressions. No. 1,243,553; Oct. 16; v. 243; p. 728.
- Putnam, Fred A., Melrose, assignor to Markem Machine Company, Boston, Mass. Embossing-machine. No. 1,241,278; Sept. 25; v. 242; p. 907.
- Putnam, Fred A., Melrose, and C. F. Robbins, Abington, assignors to Markem Machine Company, Boston, Mass. Marking-machine. No. 1,247,876; Nov. 27; v. 244; p. 905.
- Putnam, George H., Boston, Mass. Wrench. No. 1,214,588; Feb. 6; v. 235; p. 37.
- Putnam, Henry S., *et al.* (See Brinckerhoff, Francis M., assignor.)
- Putnam, Henry S. (See Brinckerhoff and Stillwell, assignors.)
- Putnam, Israel, Elmira, N. Y. Chicken-stove lamp. No. 1,249,668; Dec. 11; v. 245; p. 388.
- Putnam, James R., assignor to Waterbury Clock Co., Waterbury, Conn. Tubular chime-clock. No. 1,225,489; May 8; v. 238; p. 528.

Alphabetical list of patentees—Continued.

- Putnam, Mabel C. executrix. (See Bunnell, Morton G.)
 Putnam, William H. (See Thorne and Putnam.)
 Putnam, William H., Brooklyn, N. Y. Antiskidding device for vehicles. No. 1,223,070; Apr. 17; v. 237; p. 795.
 Putts, Benjamin S. (See Boehm, Rudolph A., assignor.)
 Pye, David W. (See McNally, Leo F., assignor.)
 Pye, Ernest A. Newark, N. J., assignor to Musselman Cord Fabric Company Chicago, Ill. Making tire fabric. No. 1,217,879; Feb. 27; v. 235; p. 1319.
 Pyle, Edwin A., Alameda, assignor to Moise-Klinkner Co., San Francisco, Cal. Baggage-identification check. No. 1,234,566; July 24; v. 240; p. 1097.
 Pyle-National Company, The. (See Dake, Charles W., assignor.)
 Pyle-National Company, The. (See Grant, Roswell D., assignor.)
 Pyle-National Company, The. (See Miller, Charles E., assignor.)
 Pyle-National Electric Headlight Company. (See Dake, Charles W., assignor.)
 Pyle-National Electric Headlight Company. (See Dake and Kilker, assignors.)
 Pyle-National Electric Headlight Company. (See Young, Otis W., assignor.)
 Pyle, Paul E., assignor to Schwab Safe Company, La Fayette, Ind. File attachment for safes. No. 1,241,279; Sept. 25; v. 242; p. 907.
 Pynn, Newman, Brooklyn, N. Y. Self-centering railway-truck. No. 1,228,131; May 29; v. 238; p. 1527.
 Pyper, George R., Midvale, Utah. Time-controlled switch. No. 1,221,216; Apr. 3; v. 237; p. 77.
 Pyper, George R., Midvale, Utah. Illuminated sign. No. 1,251,283; Dec. 25; v. 245; p. 954.
 Pyrah, William S., Old Trafford, England, assignor to Westinghouse Electric and Manufacturing Company. Commutator-cylinder for dynamo-electric machines. No. 1,224,206; May 1; v. 238; p. 32.
 Pyrene Manufacturing Company. (See Ferguson, George E., assignor.)
 Pyrene Manufacturing Company. (See Weeks, Harold E., assignor.)
 Pyroelectric Instrument Co. (See Northrup, Edwin F., assignor.)
 Pyros, Tom A., Pittsburgh, Pa. Antiskidding device. No. 1,213,256; Jan. 23; v. 234; p. 1095.
 Pyros, Tom A., Pittsburgh, Pa. Swimming appliance. No. 1,231,646; July 3; v. 240; p. 36.
 Pys, Pawel, Detroit, Mich. Weapon. No. 1,238,820; Sept. 4; v. 242; p. 32.
 Pyzel, Daniel, Hague, Netherlands. Fire-extinguishing apparatus. No. 1,246,657; Nov. 13; v. 244; p. 484.
 Q & C Company, The. (See Packer, Eben R., assignor.)
 Q. & H. Company. (See Schroyer, Charles A., assignor.)
 Quabaug Rubber Company. (See Totman, Amos A., assignor.)
 Quackenbush, Cleveland H. (See Fagan and Quackenbush.)
 Quackenbush, Cleveland H., and J. C. Smedley, Cleveland, Ohio, assignors to General Electric Company. Wire-coiling apparatus. No. 1,227,659; May 29; v. 238; p. 1367.
 Quade, Bernard F., et al. (See Quade, Paul R., assignor.)
 Quade, Henry W., Kewaskum, Wis. Belt-drive for curd-mills. No. 1,223,107; Apr. 17; v. 237; p. 808.
 Quade, Paul R., Wausau, assignor of one-third to F. F. Graper, Brokaw, and one-third to B. F. Quade, Wausau, Wis. Identification-comb. No. 1,218,462; Mar. 6; v. 236; p. 198.
 Quail, Francis H. (See Knudsen, Jacob B., assignor.) (Reissue.)
 Quaintance, Ellsworth E., Denver, Colo. Permutation-lock for automobiles. No. 1,238,435; Aug. 28; v. 241; p. 1038.
 Quam, James P. (See Peterson and Quam.)
 Quandt, William H., and J. M. Gooden, Urbana, Ill. Balanced piston-cock. No. 1,230,777; June 19; v. 239; p. 889.
 Quarles, Charles H., and G. W. Savin, Charlottesville, Va. Headlight-steering mechanism. No. 1,221,905; Apr. 10; v. 237; p. 348.
 Quartieri, Ferdinando, Milan, Italy. Manufacture of trinitrotoluene. No. 1,241,017; Sept. 25; v. 242; p. 823.
 Quasi-Arc Company, The. (See Armstrong, Percy A. E., assignor.)
 Quattlebaum, Albert W., and B. S. Mooney, Statesboro, Ga. Apparatus for distilling wood. No. 1,215,990; Feb. 13; v. 235; p. 567.
 Quayle, Frederick R., Wilmette, assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,243,761; Oct. 23; v. 243; p. 828.
 Qear, Charles L., Muncie, Ind. Soil-tester. No. 1,233,505; July 17; v. 240; p. 717.
 Queen, Charles E., Rock Cave, W. Va. Belt-fastener for machinery and the like. No. 1,248,709; Dec. 4; v. 245; p. 84.
 Queen City Safety Appliance Company, The. (See King, James D., assignor.)
 Queen, D. T., et al. (See Clark, Stuart J., assignor.)
 Queenan, William. (See Johnston, William A., assignor.)
 Queenan, William, and C. Farwell, Aurora, Ill. Door for freight-cars. No. 1,244,073; Oct. 23; v. 243; p. 924.
 Quelle, Ralph J., assignor of one-half to J. Moir, Burlington, Iowa. Valve system. No. 1,213,536; Jan. 23; v. 234; p. 1193.
 Quantell, William P., New York, N. Y. Number-printing mechanism. No. 1,240,256; Sept. 18; v. 242; p. 553.
 Quentin, Paul, Paris, France. Door check or closer. No. 1,249,190; Dec. 4; v. 245; p. 220.
 Quernheim, Oliver H., and H. Neuhoff, Jr., assignors to Metallic Sash-Operator Company Corporation, St. Louis, Mo. Window-sash operator. No. 1,242,889; Oct. 9; v. 243; p. 492.
 Quest, Thomas J. (See Maynard, Joseph A., assignor.)
 Quick, Alfred A., London, England. Toothed transmission-gearing. No. 1,225,856; May 15; v. 238; p. 694.
 Quick, Eltony W., Centralia, Fla. Nut-lock. No. 1,227,310; May 22; v. 238; p. 1223.
 Quick, Roscoe H., Flatt, Ill. Silo. No. 1,232,604; July 10; v. 240; p. 386.
 Quigan, Frank J., Brooklyn, N. Y., assignor to Simon Zinn Inc. Clasp for hand-bags. No. 1,241,657; Oct. 2; v. 243; p. 60.
 Quiggle, Walter P., Baker, Minn. Grain-tank seat. No. 1,216,730; Feb. 20; v. 235; p. 879.
 Quigley, Edward J., New York, N. Y. Soft collar. No. 1,234,567; July 24; v. 240; p. 1097.
 Quigley, Eugene, et al. (See Maher, John, assignor.)
 Quigley, John T., San Francisco, Cal., assignor, by mesne assignments, to Costmeter Company, Boston, Mass. Time-cost meter. No. 1,220,273; Mar. 27; v. 236; p. 935.
 Quigley, John T., San Francisco, Cal., assignor, by mesne assignments, to Costmeter Company, Boston, Mass. Stamping device. No. 1,222,029; Apr. 10; v. 237; p. 391.
 Quigley, John T., San Francisco, Cal., assignor, by mesne assignments, to Costmeter Company, Boston, Mass. Tape-carrier. No. 1,249,191; Dec. 4; v. 245; p. 220.
 Quigley, John T., assignor, by mesne assignments, to The Costmeter Company, Boston, Mass. Recording-machine. No. 1,249,192; Dec. 4; v. 245; p. 220.
 Quigley, John T., assignor, by mesne assignments, to Costmeter Company, Boston, Mass. Recording device. No. 1,249,193; Dec. 4; v. 245; p. 221.
 Quigley, John T., assignor to Costmeter Company, Boston, Mass. Cutter. No. 1,251,101; Dec. 25; v. 245; p. 900.
 Quigley, William D., Melrose, Mass. Ring-roll for leather-splitting machines. No. 1,232,716; July 10; v. 240; p. 424.
 Quigley, William D., East Boston, Mass. Bearing for journals, shafts, and hubs. No. 1,242,239; Oct. 9; v. 243; p. 285.
 Quigley, William E. (See Mason, Hosea A., assignor.)
 Quillen, Wilbert J. (See Reeder, Lester R., assignor.)
 Quilty, James R. (See Morgan, Harry E., assignor.)
 Quimby, George R. (See Knight and Quimby.)
 Quin, George R., et al. (See Magee, Chauncey L. C., assignor.)
 Quin, Thomas S. (See Johnson and Quin.)
 Quinane, Michael, Hoboken, N. J. Food and preparing the same. No. 1,214,218; Jan. 30; v. 234; p. 1454.
 Quincey, Henry M., Los Angeles; F. J. Sienknecht, Nordhoff, and M. J. Donahoo, Los Angeles, Cal. Irrigation-ditch cleaner. No. 1,245,271; Nov. 6; v. 244; p. 38.
 Quincy Elevator Gate Company. (See Fogal, John E. W., assignor.)
 Quincy Pattern Company. (See Lehman, Max R., assignor.)
 Quinliven, Matthew, and L. Sadler, Miami, Ariz. Food-dispenser. No. 1,221,217; Apr. 3; v. 237; p. 77.
 Quinn, Charles H., Roanoke, Va. Railway turn-table safety mechanism. No. 1,244,241; Oct. 23; v. 243; p. 973.
 Quinn, John L., Los Angeles, assignor to Standard Oil Company of California, San Francisco, Cal. Orchard-heater. No. 1,222,794; Apr. 17; v. 237; p. 701.
 Quinn, Martin J., Toronto, Ontario, Canada. Foot or check valve. No. 1,211,877; Jan. 9; v. 234; p. 550.
 Quinn, P. J. (See Thompson, Thomas A., assignor.)
 Quinn, Patrick F., New York, N. Y. Ash receptacle and sifter. No. 1,213,009; Jan. 16; v. 234; p. 977.
 Quinn, Patrick F., Corona, N. Y. Dress-form. No. 1,239,721; Sept. 11; v. 242; p. 349.
 Quinones, Alfredo, New Orleans, La. Educational board. No. 1,213,690; Jan. 23; v. 234; p. 1245.
 Quiram, Albert F., Varna, Ill. Game. No. 1,226,695; May 22; v. 238; p. 1013.
 Quiram, August, Varna, Ill. Wall-paper-display rack. No. 1,248,710; Dec. 4; v. 245; p. 84.
 Quirin, Emil J. F., Tioga Center, and G. A. Payne, Buffalo, N. Y. Leak-alarm for pneumatic tires. No. 1,238,567; Aug. 23; v. 241; p. 1082.
 Quirk, Ethel M., Philadelphia, Pa. Breast-supporter. No. 1,237,095; Aug. 14; v. 241; p. 538.
 Quist, Ruben, Lohrville, Iowa. Projectile. No. 1,230,217; June 19; v. 239; p. 703.
 Quisumbing, Emilio, Manila, Philippine Islands. Collapsible mold. No. 1,245,618; Nov. 6; v. 244; p. 145.
 R. Hoe and Co. (See Halliwell, John J., assignor.)
 R. Hoe and Co. (See Hoe, Robert, assignor.)
 R. Hoe and Co. (See Redd, Benoist S., assignor.)
 R. Hoe and Co. (See Roosen, Oscar, assignor.)
 R. Hoe and Co. (See Smith, Ernest J., assignor.)
 R. Hoe and Co. (See Weber, George F., assignor.)
 R. Hoe and Co. (See White, Bruce C., assignor.)
 R. Neumann Hardware Co., The. (See Heilmann, William A., assignor.)

- R. Neumann Hardware Co., The. (See Isidor, Joseph S., assignor.)
- R. Neumann Hardware Co., The. (See Moore, Thomas J., assignor.)
- R. Neumann Hardware Co., The. (See Tueckmantel, Hugo, assignor.)
- R. Thomas and Sons Company, The. (See Marvin, Richard H., assignor.)
- R. Thomas and Sons Company, The. (See Sandford, Joseph A., Jr., assignor.)
- R. Williamson & Co. (See Yardley, Horace R., assignor.)
- R. C. Products Trust, The, trustees. (See Evers, William H., assignor.) (Reissue.)
- R. E. Dietz Company. (See Everett, Ernest C., assignor.)
- R. E. Dietz Company. (See McArthur, Warren, Jr., assignor.)
- R. E. Funsten Dried Fruit & Nut Company. (See Crawford, Henry D., assignor.)
- R. & E. Singing Picture Co. (See Rogers, Harrison W., assignor.)
- R. & G. Corset Company. (See Dimond, Samuel S., assignor.)
- R. H. Gaylord Company. (See Gaylord, Robert H., assignor.)
- R. H. B. Manufacturing Company. (See Reiboldt and Beyen, assignors.)
- R. K. Le Blond Machine Tool Company. (See Groene and Pierle, assignors.)
- R. K. Le Blond Machine Tool Company. (See Le Blond and Groene, assignors.)
- R. K. Mfg. Company. (See Rosenman, Leo, assignor.)
- R. L. Kenyon Company, The. (See Kenyon, Roy L., assignor.)
- R. M. Hvid Company. (See Blakely, Edward B., assignor.)
- Raabe, Henry E. A., Jersey City, N. J. Internal-combustion engine. No. 1,211,231; Jan. 2; v. 234; p. 295.
- Raasch, Herman C. (See Blair and Raasch.)
- Rabb, Charles, David City, Neb. Brick and mortar warmer. No. 1,247,877; Nov. 27; v. 244; p. 905.
- Raber, John E., Canton, Ohio. Window-guard. No. 1,213,537; Jan. 23; v. 234; p. 1193.
- Raber, John E., Canton, Ohio. Hinge. No. 1,213,538; Jan. 23; v. 234; p. 1194.
- Raber, Joseph, assignor to Payograph Company, Detroit, Mich. Paying and recording machine. No. 1,217,498; Feb. 27; v. 235; p. 1189.
- Raber, Nathan L., Corvallis, Ore. Gold-concentrating plant. No. 1,231,297; June 26; v. 239; p. 1102.
- Raber, Nelson E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Boot-tree. No. 1,217,499; Feb. 27; v. 235; p. 1189.
- Rabinovitz, Louis. (See Ellis and Rabinovitz.)
- Race, George A., Cicero, Ill. Artificial minnow. No. 1,249,194; Dec. 4; v. 245; p. 221.
- Rach, Erich, New York, N. Y. Means for theatrical levitation. No. 1,229,519; June 12; v. 239; p. 435.
- Racine Handy Manufacturing Company. (See Mansfield, Harry R., assignor.)
- Racine Paper Goods Company. (See Parmenter, Orville L., assignor.)
- Rackoff, Adolph A., Detroit, Mich. Container. No. 1,244,369; Oct. 23; v. 243; p. 1011.
- Radcliffe, Carlton R., New York, N. Y. Power-transmitting apparatus. No. 1,234,802; July 31; v. 240; p. 1202.
- Raddatz, Richard. (See Matchette and Raddatz.)
- Raddatz, Richard, assignor to Whirlpool Mixer & Machinery Company, Milwaukee, Wis. Mixing-machine. No. 1,232,605; July 10; v. 240; p. 387.
- Rademaker, William E. R., Hoboken, N. J. Vibrating self-interrupter for electric bells, &c. No. 1,242,038; Oct. 2; v. 243; p. 181.
- Rader, Irvin, assignor to Nolde & Horst Company, Reading, Pa. Hosiery-holder for embroidering-machines. No. 1,222,670; Apr. 17; v. 237; p. 659.
- Radiant Heating Limited. (See Bone, Wilson, and McCourt, assignors.)
- Radiant Heating Limited. (See Ellis, Carleton, assignor.)
- Radiguer, Charles, assignor to The Societe Anonyme des Etablissements Delaunay-Belleville, St.-Denis, France. Steam-generator. No. 1,212,556; Jan. 16; v. 234; p. 817.
- Radiguer, Charles, assignor to The Societe Anonyme Des Etablissements Delaunay-Belleville, St. Denis, France. Centrifugal pump. No. 1,220,000; Mar. 20; v. 236; p. 801.
- Radiguer, Charles, assignor to Societe Anonyme Des Etablissements Delaunay-Belleville, St.-Denis, France. Belleville-boiler elements with tubes of increasing diameter. No. 1,223,108; Apr. 17; v. 237; p. 808.
- Radio Telephone & Telegraph Company. (See De Forest, Lee, assignor.)
- Radkoff, Stoyan K., Detroit, Mich. Tire-advertising device. No. 1,229,654; June 12; v. 239; p. 482.
- Radkoff, Stoyan K., Detroit, Mich. Window-display and advertising device. No. 1,239,040; Sept. 4; v. 242; p. 102.
- Radle, Don A., Oklahoma, Okla. Grain-separator. No. 1,235,596; Aug. 7; v. 241; p. 22.
- Radliff, Charles D., Benchland, Mont. Automobile running-gear. No. 1,213,904; Jan. 30; v. 234; p. 1349.
- Rad6, Joseph, Cleveland, Ohio. Indicating electric switch. No. 1,221,590; Apr. 3; v. 237; p. 206.
- Radovan, Martin F., McCarthy, Alaska. Rail-joint. No. 1,213,010; Jan. 16; v. 234; p. 978.
- Rae, Frank B., Cleveland, Ohio. Starting and lighting unit. No. 1,246,156; Nov. 13; v. 244; p. 332.
- Raeburn, William M., Toronto, Ontario, Canada. Paint-brush. No. 1,226,368; May 15; v. 238; p. 870.
- Raeger, George C., Waterloo, N. Y. Expansion stud-bolt. No. 1,234,487; July 24; v. 240; p. 1071.
- Raff, John B., Los Lunas, assignor of one-fourth to R. B. Chavez, Tome, N. Mex. Permutation-padlock. No. 1,227,826; May 29; v. 238; p. 1425.
- Raffensperger, Charles J., et al. (See Cary, James B., assignor.)
- Rafferty, Charles D., Middleport, Ohio. Locomotive-valve-setting machine. No. 1,225,490; May 8; v. 238; p. 528.
- Rafovich, Harry, New York, N. Y. Wheel rim and tire construction. No. 1,235,597; Aug. 7; v. 241; p. 22.
- Ragan, Edward M. (See Kent, Burton M., assignor.)
- Ragan, Ralph, Atlanta, Ga. Rotary pump. No. 1,224,567; May 1; v. 238; p. 162.
- Ragotzky, Philip C., Philadelphia, Pa. Device for connecting outside wires to buildings. No. 1,213,011; Jan. 16; v. 234; p. 978.
- Ragotzky, Philip C., Philadelphia, Pa. Device for connecting outside wires to buildings. (Reissue.) No. 1,431,2; June 5; v. 239; p. 284.
- Ragsdale, Charles R., St. Louis, Mo. Demountable rim. No. 1,224,666; May 1; v. 238; p. 196.
- Rahn, Herman R., and F. Meyers, Chicago, Ill., assignors to R. H. Wright, Durham, N. C. Paper-feeding device. No. 1,229,137; June 5; v. 239; p. 256.
- Rahner, Martin L., assignor to Oregon Brass Works, Portland, Oreg. Bubbling drinking-cup. No. 1,227,311; May 22; v. 238; p. 1223.
- Rahner, Martin L., Portland, Oreg., assignor to Oregon Brass Works. Fountain drinking-cup. No. 1,250,222; Dec. 18; v. 245; p. 590.
- Rahr, Maximilian, Jr., Manitowoc, Wis. Automobile-curtain. No. 1,249,828; Dec. 11; v. 245; p. 436.
- Rahskopf, Carl, Mill Valley, Cal. Paper-curing machine. No. 1,223,613; Apr. 24; v. 237; p. 1015.
- Ralche, Andrew, assignor to Atlas Tack Company, Fairhaven, Mass. Machine for setting lacing-hooks. No. 1,217,216; Feb. 27; v. 235; p. 1089.
- Raikes, Merrill C., Philippi, W. Va. Clasp. No. 1,219,043; Mar. 13; v. 236; p. 441.
- Rail Joint Company, The. (See Boyce, William S., assignor.)
- Rail Joint Company, The. (See Bradley, William J., assignor.)
- Rail Joint Company, The. (See Braine, Bancroft G., assignor.)
- Rail Joint Company, The. (See Danat, Wilmer E., assignor.)
- Rail Joint Company, The. (See Greer, James A., assignor.)
- Rail Joint Company, The. (See Sparling, Jacob L., assignor.)
- Rail Joint Company, The. (See Ten Eyck, Peter G., assignor.) (Reissue.)
- Rail Joint Company, The. (See Thomson, McLeod, assignor.)
- Rail Joint Company, The. (See Wolhaupter and Braine, assignors.)
- Railroad Supply Company, The. (See Stolp, Samuel S., assignor.)
- Railton, Robert, Valley Falls, R. I. Adjustable floating-reamer holder. No. 1,222,466; Apr. 10; v. 237; p. 546.
- Railway Appliance Mfg. Co., The. (See Perkins, James D., assignor.)
- Railway Automatic Safety Appliance Company, The. (See Stafford, Earl C., assignor.)
- Railway Devices Company. (See Campbell, Sterling H., assignor.)
- Railway Electric Manufacturing Company. (See Rugh, Harry O., assignor.)
- Railway Materials Company, The. (See Lesh, Ira B., assignor.)
- Railway Products Corporation. (See Forsyth, William D., assignor.)
- Railway Signal Company Limited. (See Roberts, Walter S., assignor.)
- Railway Specialties Company. (See Morse, Mark S., assignor.)
- Railway Utility Company. (See Hynes, Lee P., assignor.)
- Railway's Accessories Company. (See Wightman, Merle J., assignor.)
- Raimer, Frank. (See Decker and Raimer.)
- Raines, John L., Vernon, Tex. Pile-supporter. No. 1,249,195; Dec. 4; v. 245; p. 222.
- Rainey, Paul M., Glen Ridge, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telegraph system. No. 1,245,507; Nov. 6; v. 244; p. 110.
- Rainone, Nicholas, et al. (See Pollock, John L., assignor.)
- Rainone, Pasquale, New York, N. Y. Lock. No. 1,213,691; Jan. 23; v. 234; p. 1245.
- Rainville, Omer J. (See Dalton and Rainville.)
- Raisanen, August and J. Gackle, N. D. Hay-stacker. No. 1,221,375; Apr. 3; v. 237; p. 132.
- Raisanen, John. (See Raisanen, August and J.)
- Rajewsky, Otto J., Blue Earth, Minn. Rail-fastener. No. 1,223,203; Apr. 17; v. 237; p. 842.

Alphabetical list of patentees—Continued.

- Rakestraw, Thomas G., Detroit, Mich. Steam-trap and boiler-feeder. No. 1,211,753; Jan. 9; v. 234; p. 504.
- Rakowski, Peter S., Dickinson, N. D. Egg tester and handler. No. 1,242,979; Oct. 16; v. 243; p. 555.
- Raleigh, Charles, Jersey City, N. J., and W. V. D. Kelley, Brooklyn, N. Y., assignors to Prizma Incorporated. Film of the like for color photography. No. 1,216,493; Feb. 20; v. 235; p. 798.
- Raleigh, Charles, and W. V. D. Kelley, Brooklyn, N. Y., assignors, by mesne assignments, to Prizma Incorporated. Producing colored photographic pictures. No. 1,217,425; Feb. 27; v. 235; p. 1161.
- Rail, Max, Paris, France, assignor to Firm of R. Bosch, Stuttgart, Germany. Spark-plug. No. 1,221,906; Apr. 10; v. 237; p. 348.
- Ralph, Roy A., Auburn, N. Y. Transmission-gearing and shifting means therefor. No. 1,212,398; Jan. 16; v. 234; p. 761.
- Ralphs, William D., Pasadena, Cal. Electrical valve. No. 1,243,219; Oct. 16; v. 243; p. 630.
- Ralston, Cleon M., Bronson, Kans. Removable casket-handle. No. 1,227,929; May 29; v. 238; p. 1460.
- Ralston, Emmet G., Indianapolis, Ind. Service, demand, or operation recorder. No. 1,218,955; Mar. 13; v. 236; p. 410.
- Ralston Iron Works. (See Konetsky, John R., assignor.)
- Ralston, Isaac J., assignor of one-half to C. L. Nelson, Brookville, Pa. Combined oil and gas burner. No. 1,234,088; July 17; v. 240; p. 904.
- Ralston Steel Car Company, The. (See Becker, Anton, assignor.)
- Ralston Steel Car Company, The. (See Weaver, Robert R., assignor.)
- Ralston, William D. and W. C., New Marion, Ind. Adjustable curtain-shade bracket. No. 1,230,778; June 19; v. 239; p. 889.
- Ralston, Willis C. (See Ralston, William D. and W. C.)
- Ram Engineering Company, The. (See Lindner, Arthur, assignor.)
- Ramage, Alexander S., assignor to Bostaph Engineering Company, Detroit, Mich. Transforming mineral oils. No. 1,224,787; May 1; v. 238; p. 238.
- Ramage, Alexander S., Buffalo, N. Y., assignor to International Color & Chemical Company, Incorporated, Detroit, Mich. Producing lead pigments. No. 1,243,762; Oct. 23; v. 243; p. 829.
- Rambo, Frank B. (See Weldon and Rambo.)
- Ramén, Arthur, Olympia, Helsingborg, Sweden. Method for treating roasted ores with liquids. No. 1,235,598; Aug. 7; v. 241; p. 22.
- Ramer, George W., Davis Creek, Cal. Releasing-pen-holder. No. 1,239,126; Sept. 4; v. 242; p. 131.
- Ramey, Robert R., Philadelphia, Pa. Internal brake for drums of autos. No. 1,250,656; Dec. 18; v. 245; p. 719.
- Ramey, William A. (See Mitschow and Ramey.)
- Ramey, William R., assignor of one-half to J. B. Starr, Iola, Kans. Door-opening device. No. 1,218,897; Mar. 13; v. 236; p. 391.
- Rammage, Arthur W., East Putney, assignor to The Chapman Trough Decking Company, Limited, London, England. Metal flooring. No. 1,235,054; July 31; v. 240; p. 1282.
- Ramocki, Anton, assignor of one-third to M. Gill, North Tonawanda, N. Y. Sword-pistol. No. 1,241,552; Oct. 2; v. 243; p. 27.
- Ramp, John B., Lexington, Ky. Fluid-engine. No. 1,222,990; Apr. 17; v. 237; p. 768.
- Rampichini, Francesco, assignor to "Ago" Lederkitt Industrie Gesellschaft mit beschränkter Haftung, Trieste, Austria. Shoe-pressing machine. No. 1,244,776; Oct. 30; v. 243; p. 1174.
- Ramsaier, William J., New York, N. Y. Changer for ink-jetting apparatus for printing-presses. No. 1,239,127; Sept. 4; v. 242; p. 131.
- Ramsaier, William J., New York, N. Y. Printing-press. No. 1,239,128; Sept. 4; v. 242; p. 131.
- Ramsaier, William J., New York, N. Y. Ink-distributor. No. 1,239,129; Sept. 4; v. 242; p. 132.
- Ramsay, Erskine, Birmingham, Ala. Sampler mechanism. No. 1,249,491; Dec. 11; v. 245; p. 338.
- Ramsay, Erskine, Birmingham, Ala. Brake mechanism for cars. No. 1,249,492; Dec. 11; v. 245; p. 338.
- Ramsay, Samuel R., assignor of one-eighth to L. Wilson, New Westminster, British Columbia, Canada. Automobile front axle. No. 1,226,809; May 22; v. 238; p. 1054.
- Ramsden, John T. (See Lewis and Ramsden.)
- Ramsden, John T., assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Car for molding-machines. No. 1,225,273; May 8; v. 238; p. 452.
- Ramseur, Wellington A., Gainesville, Ga. Thermostat-operated circuit. No. 1,226,696; May 22; v. 238; p. 1014.
- Ramsey, Aaron F., Aurora, Ill. Garden implement. No. 1,229,788; June 12; v. 239; p. 525.
- Ramsey, Charles D., Sedalia, Tenn. Rat-trap. No. 1,222,795; Apr. 17; v. 237; p. 701.
- Ramsey, Clifford H., assignor to James L. Morrison Machine Co., Paterson, N. J. Hydro-extractor. No. 1,210,836; Jan. 2; v. 234; p. 157.
- Ramsey, Clifford H., assignor to James L. Morrison Machine Co., Paterson, N. J. Stop-motion mechanism. No. 1,218,403; Mar. 6; v. 236; p. 199.
- Ramsey, George W., Peoria, Ill. Feed-regulator for lubricating systems. No. 1,228,700; June 5; v. 239; p. 111.
- Ramsey, George W., Peoria, Ill. Friction draft-gear. No. 1,230,327; June 19; v. 239; p. 740.
- Ramsey, James N., et al. (See Coleman, George W., assignor.)
- Ramsey, John A., New York, N. Y. Film-printing machine. No. 1,212,259; Jan. 16; v. 234; p. 713.
- Ramsey, Joseph H., V. C. Huntington, and C. M. Hyatt, assignors to The Embossing Company, Albany, N. Y. Toy building-block. No. 1,216,840; Feb. 20; v. 235; p. 916.
- Ramsey, Julian A. (See Iams and Ramsey.)
- Ramthun, Herbert H., Milwaukee, Wis. Water-motor. No. 1,242,862; Oct. 9; v. 243; p. 484.
- Rand Avery Supply Company. (See Flett, William, assignor.)
- Rand, Benjamin G., North Tonawanda, N. Y. Reference-card apparatus. No. 1,249,669; Dec. 11; v. 245; p. 388.
- Rand, Charles A. A., Nuss, Germany, assignor to International Harvester Company of New Jersey. Tongue-truck. No. 1,242,980; Oct. 16; v. 243; p. 555.
- Rand Company, The. (See Woodruff, William W., assignor.)
- Rand, Festus S., Providence, and G. N. Taylor, East Providence, R. I., assignors, by mesne assignments, to Universal Winding Company, Boston, Mass. Winding-machine. No. 1,234,388; July 24; v. 240; p. 1039.
- Rand, James H., North Tonawanda, N. Y. Card-index. No. 1,227,660; May 29; v. 238; p. 1368.
- Rand, James H., North Tonawanda, N. Y. Card-index. No. 1,227,661; May 29; v. 238; p. 1368.
- Rand, James H., North Tonawanda, N. Y. Index device. No. 1,227,662; May 29; v. 238; p. 1369.
- Rand, James H., North Tonawanda, N. Y. Index device. No. 1,227,663; May 29; v. 238; p. 1369.
- Rand, James H., North Tonawanda, N. Y. Index device. No. 1,227,664; May 29; v. 238; p. 1370.
- Rand, James H., North Tonawanda, N. Y. Index device. No. 1,227,665; May 29; v. 238; p. 1370.
- Rand, James H., North Tonawanda, N. Y. Index-card. No. 1,227,827; May 29; v. 238; p. 1426.
- Rand, James H., North Tonawanda, N. Y. Index element for card-index systems. No. 1,248,910; Dec. 4; v. 245; p. 142.
- Rand, James H., North Tonawanda, N. Y. Index element for card-index systems. No. 1,248,911; Dec. 4; v. 245; p. 142.
- Rand, James H., Newton, Mass. Index member. No. 1,248,712; Dec. 4; v. 245; p. 84.
- Rand, James H., Jr., North Tonawanda, N. Y. Card unit for index systems. No. 1,218,464; Mar. 6; v. 236; p. 199.
- Rand, James H., Jr., North Tonawanda, N. Y. Card-index system. No. 1,238,332; Aug. 28; v. 241; p. 1006.
- Rand, McNally Company. (See Smith, Albert S., assignor.)
- Rand, Rupert L., Amherst, Nova Scotia, Canada. Spring-shackle. No. 1,245,025; Oct. 30; v. 243; p. 1249.
- Rand, Silas C., Chicago, Ill. Forming tire-casings. No. 1,248,713; Dec. 4; v. 245; p. 85.
- Rand Systems Corporation, The. (See McCauley, Herbert J., assignor.)
- Rand, V. W., et al. (See Marion, Frank, assignor.)
- Rand, William M., Vancouver, British Columbia, Canada. Tire-repair method. No. 1,241,553; Oct. 2; v. 243; p. 28.
- Randall, Alfred H., Bridgeport, Conn. Inflating device for pneumatic tires. No. 1,246,464; Nov. 13; v. 244; p. 427.
- Randall, Charles W., West Hoboken, N. J. Fly-paper holder. No. 1,217,825; Feb. 27; v. 235; p. 1302.
- Randall, Chester J., Naugatuck, Conn., assignor to Boston Rubber Shoe Company. Vulcanizing plastics. No. 1,213,905; Jan. 30; v. 234; p. 1349.
- Randall, Edison E. (See Pope and Randall.)
- Randall, Edison E., Kankakee, assignor to Paramount Knitting Company, Chicago, Ill. Knitting-machine. No. 1,210,837; Jan. 2; v. 234; p. 157.
- Randall, Frank C., Benton Harbor, Mich. Fruit-washer. No. 1,245,767; Nov. 6; v. 244; p. 188.
- Randall, Frank C., Benton Harbor, Mich. Fruit-washer. No. 1,245,768; Nov. 6; v. 244; p. 189.
- Randall, Harold S., et al. (See Walters, Edward, assignor.)
- Randall, Harrie E., Vandalia, Ohio. Automobile-curtain carrier. No. 1,240,091; Sept. 11; v. 242; p. 461.
- Randall, Harry I., trustee. (See Van Leeuwen and Brunelle, assignors.)
- Randall, Herman P. (See Kemp and Randall.)
- Randall, Herman P., Pasadena, assignor to Kemp Manufacturing Co., Los Angeles, Cal. Drawer-stop. No. 1,227,001; May 22; v. 238; p. 1121.
- Randall, Horatio C., San Francisco, Cal. Elevator-door control. No. 1,236,980; Aug. 14; v. 241; p. 501.
- Randall, James D., assignor to The J. D. Randall Company, Cincinnati, Ohio. Thread locking and releasing device for sewing-machines. No. 1,237,555; Aug. 21; v. 241; p. 722.
- Randall, Karl C., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Circuit-interrupter. No. 1,226,114; May 15; v. 238; p. 782.

- Randall, Karl C., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Circuit-interrupter. No. 1,229,789; June 12; v. 239; p. 525.
- Randall, Karl C., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electromagnetic device. No. 1,241,554; Oct. 2; v. 243; p. 28.
- Randall, Karl C., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Making electric-switch jaws and the like. No. 1,248,544; Dec. 4; v. 245; p. 34.
- Randel, Ivar A. (See McCord and Randel.)
- Randle, Harry T., assignor of one-fourth to G. A. Cibulka, St. Louis, Mo. Automobile-signal. No. 1,226,004; May 15; v. 238; p. 744.
- Randles, George E., assignor to The Foote-Burt Company, Cleveland, Ohio. Drill-press. No. 1,227,828; May 29; v. 238; p. 1426.
- Randolph, Alfred, Salem, Ohio. Drafting-square. No. 1,237,385; Aug. 21; v. 241; p. 668.
- Randolph, Edmund, Portland, Ore. Rotary gravity-machine for separating and concentrating precious metals. No. 1,247,717; Nov. 27; v. 244; p. 859.
- Randolph, Frank L., Los Angeles, Cal. Receptacle-frame. No. 1,222,991; Apr. 17; v. 237; p. 768.
- Randolph, Harry, *et al.* (See Stephens, James O., assignor.)
- Randolph, Harry H. (See Malinovsky, Andrew, assignor.)
- Randolph, Oliver W., Toledo, Ohio. Grain-drier. No. 1,239,216; Sept. 4; v. 242; p. 159.
- Randolph Paper Box Co., The. (See Kusterer and Sanders, assignors.)
- Rands Manufacturing Company. (See Rands, William C., assignor.)
- Rands Manufacturing Company. (See Van Dresser, William C., assignor.)
- Rands, William C., assignor to Rands Manufacturing Company, Detroit, Mich. Glass-clip-plug assembly. No. 1,243,445; Oct. 16; v. 243; p. 696.
- Raney, Clemma R., Chicago, Ill., assignor to International Harvester Company of New Jersey. Grain-shocking machine. No. 1,215,191; Feb. 6; v. 235; p. 247.
- Raney, Clemma R., Chicago, Ill., assignor to International Harvester Company of New Jersey. Shocking-machine attachment. No. 1,222,797; Apr. 17; v. 237; p. 702.
- Raney, Clemma R., Chicago, Ill., assignor to International Harvester Company of New Jersey. Grain-shocker. No. 1,222,798; Apr. 17; v. 237; p. 702.
- Raney, Clemma R., Chicago, Ill., assignor to International Harvester Company of New Jersey. Grain-shocker. No. 1,226,369; May 15; v. 238; p. 870.
- Raney, Clemma R., Chicago, Ill., assignor to International Harvester Company of New Jersey. Harvester attachment. No. 1,226,370; May 15; v. 238; p. 871.
- Raney, Clemma R., Chicago, Ill., assignor to International Harvester Company of New Jersey. Harvesting-machine attachment. No. 1,226,372; May 15; v. 238; p. 871.
- Raney, Clemma R., Chicago, Ill., assignor to International Harvester Company of New Jersey. Shocking-machine. No. 1,226,373; May 15; v. 238; p. 872.
- Raney, Clemma R., Chicago, Ill., assignor to International Harvester Company of New Jersey. Grain-shocking machine. No. 1,226,374; May 15; v. 238; p. 872.
- Raney, Clemma R., Chicago, Ill., assignor to International Harvester Company of New Jersey. Automatic trip for shocking-machines. No. 1,226,375; May 15; v. 238; p. 872.
- Raney, Clemma R., Chicago, Ill., assignor to International Harvester Company of New Jersey. Binding mechanism. No. 1,226,376; May 15; v. 238; p. 873.
- Raney, Clemma R., Chicago, Ill., assignor to International Harvester Company of New Jersey. Shocking-machine. No. 1,231,195; June 26; v. 239; p. 1069.
- Raney, Clemma R., Chicago, Ill., assignor to International Harvester Company of New Jersey. Shocker for grain or the like. No. 1,234,803; July 31; v. 240; p. 1203.
- Raney, Clemma R., Chicago, Ill., assignor to International Harvester Company of New Jersey. Grain-binder. No. 1,237,695; Aug. 21; v. 241; p. 768.
- Raney, Clemma R., Chicago, Ill., assignor to International Harvester Company of New Jersey. Adjusting mechanism for shocking-machines. No. 1,239,621; Sept. 11; v. 242; p. 315.
- Raney, Clemma R., Chicago, Ill., assignor to International Harvester Company of New Jersey. Shocking-machine. No. 1,242,112; Oct. 2; v. 243; p. 204.
- Raney, Clemma R., Chicago, Ill., assignor to International Harvester Company of New Jersey. Binder-locking mechanism. No. 1,242,240; Oct. 9; v. 243; p. 285.
- Raney, Clemma R., Chicago, Ill., assignor to International Harvester Company of New Jersey. Grain-shocking machine. No. 1,247,005; Nov. 20; v. 244; p. 622.
- Raney, Clemma R., assignor of one-half to R. J. Raney, Centerville, Iowa. Shocking-machine. No. 1,222,796; Apr. 17; v. 237; p. 702.
- Raney, Clemma R., Chicago, and R. C. Livesay, Moline, Ill., assignors to International Harvester Company of New Jersey. Truck for wheeled vehicles. No. 1,216,360; Feb. 20; v. 235; p. 750.
- Raney, Clemma R., Chicago, and R. C. Livesay, Moline, Ill., assignors to International Harvester Company of New Jersey. Grain-shocking machine. No. 1,219,150; Mar. 13; v. 236; p. 477.
- Raney, Clemma R., Chicago, and R. C. Livesay, Moline, Ill., assignors to International Harvester Company of New Jersey. Frame for shocking-machines. No. 1,222,799; Apr. 17; v. 237; p. 703.
- Raney, Clemma R., Chicago, and R. C. Livesay, Berwyn, Ill., assignors to International Harvester Company of New Jersey. Grain-shocker. No. 1,226,371; May 15; v. 238; p. 871.
- Raney, Clemma R., Chicago, B. R. Benjamin, Oak Park, and R. C. Livesay, Moline, Ill., assignors to International Harvester Company of New Jersey. Harvesting machinery. No. 1,233,399; July 17; v. 240; p. 682.
- Raney, Margaret M., administratrix. (See Raney, Thomas M.)
- Raney, R. J. (See Raney, Clemma R., assignor.)
- Raney, Thomas M., deceased; M. M. Raney, administratrix, Colorado Springs, Colo. Fruit picker and gatherer. No. 1,247,878; Nov. 27; v. 244; p. 905.
- Ranft, Walter, Dresden, Germany. Steam-engine. No. 1,232,083; July 3; v. 240; p. 185.
- Ranger, Stanley G. (See Lawrence, James, assignor.)
- Rankin, Carl, Wellsburg, assignor to Jefferson Glass Company, Follansbee, W. Va. Glass-molding machine. No. 1,217,635; Feb. 27; v. 235; p. 1239.
- Rankin, Carl, Wellsburg, assignor to Jefferson Glass Company, Follansbee, W. Va. Clutch-timing mechanism. No. 1,227,545; May 22; v. 238; p. 1299.
- Rankin, Schuyler S., Newark, N. J. Wheel. No. 1,244,128; Oct. 23; v. 243; p. 939.
- Rankin, William A., and H. D. Laraway, assignors to Hot-point Electric Heating Company, Ontario, Cal. Radiant-type stove. No. 1,231,196; June 26; v. 239; p. 1070.
- Ranney, Fred E., Lakewood, Ohio. Whiffletree-thimble. No. 1,251,102; Dec. 25; v. 245; p. 901.
- Ranney, Frederick E., assignor to Ranney Refrigerator Company, Greenville, Mich. Water-cooler for refrigerators. No. 1,220,783; Mar. 27; v. 236; p. 1111.
- Ranney Refrigerator Company. (See Ranney, Frederick E., assignor.)
- Raneshousen, Lyman A., Springfield, Mass. Operating mechanism for cover-plates. No. 1,225,679; May 8; v. 238; p. 591.
- Ransom & Randolph Co. (See Miller, Frederick W., assignor.)
- Ransome, Arthur W., Plainfield, assignor to Ransome Concrete Machinery Company, Dunellen, N. J. Concrete-mixer. No. 1,220,683; Mar. 27; v. 236; p. 1078.
- Ransome, Arthur W., Plainfield, assignor to Ransome Concrete Machinery Company, Dunellen, N. J. Concrete-mixer. No. 1,247,148; Nov. 20; v. 244; p. 662.
- Ransome, Bernard, Oakland, Cal. Pavement. No. 1,225,055; May 8; v. 238; p. 380.
- Ransome Concrete Machinery Company. (See Ransome, Arthur W., assignor.)
- Ranson, Adolph, assignor of one-half to S. Isaac, South Charleston, W. Va. Parachute. No. 1,244,129; Oct. 23; v. 243; p. 939.
- Rapel, Joseph H., *et al.* (See Graves, John, assignor.)
- Rapid Bottle Washer Co., The. (See Cole, Ira, assignor.)
- Rapid Button Attaching Machine Co. (See Dubl, Boris, assignor.)
- Rapid Electrotape Company, The. (See Gounley, James F., assignor.)
- Rapid Process Lithograph Company, The. (See Kirby, Wallace W., assignor.)
- Rapid Tobacco Stemmer Co. (See Buchanan, James C., assignor.)
- Rapp, William M., Collingswood, N. J. Typographical machine. No. 1,229,321; June 12; v. 239; p. 368.
- Raquette, Joseph G., Cleveland, Ohio. Outlet-box. No. 1,230,218; June 19; v. 239; p. 704.
- Rardon, Edward E., Hamilton, Kans. Pneumatic pump. No. 1,230,028; June 12; v. 239; p. 602.
- Rarick, Henry E., Altoona, Pa. Stoving-hammer. No. 1,224,018; Apr. 24; v. 237; p. 1156.
- Rasch, Louis, assignor of one-third to G. W. Dickerman, New York, N. Y. Pilot-light for gas-burners. No. 1,244,130; Oct. 23; v. 243; p. 940.
- Raschick, Charles T., St. Paul, Minn. Combined pad-holder and ticket-punch. No. 1,228,046; May 29; v. 238; p. 1500.
- Rasck, George P., assignor of one-half to Western Silo Company, Ltd., Des Moines, Iowa. Wire-rope clamp. No. 1,251,103; Dec. 25; v. 245; p. 901.
- Rascoe, Joseph E. (See Martel and Rascoe.)
- Rash, Elsie M., New Providence, Iowa. Garment. No. 1,212,679; Jan. 16; v. 234; p. 863.
- Rasmesen, George, Jr., Winnetka, Ill. Brush. No. 1,240,604; Sept. 18; v. 242; p. 660.
- Rasmus, Peter A., Paxton, Ill. Latch. No. 1,214,071; Jan. 30; v. 234; p. 1406.
- Rasmussen, Andrew, Jr., Ridgway, Colo. Gasolene-engine. No. 1,240,366; Sept. 18; v. 242; p. 587.
- Rasmussen, Andrew, Sr., and A. Jr., Ridgway, Colo. Internal-combustion multiple-cylinder engine. No. 1,220,453; Mar. 27; v. 236; p. 1000.
- Rasmussen, Lorence S., Rock Island, Ill., and H. B. Carlson, Davenport, Iowa. Internal metal lap. No. 1,215,059; Feb. 6; v. 235; p. 204.

Alphabetical list of patentees—Continued.

- Rasmussen, Lorence S., Rock Island, Ill., and H. B. Carlson, Davenport, Iowa. External metal lap. No. 1,221,472; Apr. 3; v. 237; p. 165.
- Rasmussen, Alfred, St. Paul, Minn. Wire-stretcher. No. 1,236,354; Aug. 7; v. 241; p. 262.
- Rasmussen, Andrew, Racine, Wis. Power hacksaw-machine. No. 1,211,964; Jan. 9; v. 234; p. 583.
- Rasmussen, Andrew, Racine Junction, Wis. Hacksaw-blade for metal-sawing machines. No. 1,214,589; Feb. 6; v. 235; p. 37.
- Rasmussen, Axel V., Detroit, Mich. Engine. No. 1,243,554; Oct. 16; v. 243; p. 728.
- Rasmussen, Hans, Royal, Iowa. Fuel-filter for carbureters. No. 1,221,376; Apr. 3; v. 237; p. 132.
- Rasmussen, Hans J. M., Chicago, Ill. Aeroplane. No. 1,248,545; Dec. 4; v. 245; p. 34.
- Rasmussen, Henry E., Fitchburg, Mass. Pressure-bag for vulcanizing purposes. No. 1,226,596; May 15; v. 238; p. 941.
- Rasmussen, Nicolaus, Toronto, Ontario, Canada. Spring-bearing for centrifugal separators. No. 1,235,841; Aug. 7; v. 241; p. 102.
- Rasmussen, Peter, Denver, Colo. Automatic stacking-machine for cakes, crackers, and other articles. No. 1,217,345; Feb. 27; v. 235; p. 1132.
- Rasmussen, Peter, and M. F. Goularte, Selma, Cal. Sewing-machine. No. 1,228,966; June 5; v. 239; p. 199.
- Rasmussen, Peter, and M. F. Goularte, Selma, Cal. Tensioning device for sewing-machines. No. 1,247,327; Nov. 20; v. 244; p. 713.
- Rasmussen, Rasmus J., Devils Lake, N. D. Farm-gate. No. 1,245,163; Nov. 6; v. 244; p. 6.
- Rasmussen, Rasmus J., Harvard, Ill. Trousers-support. No. 1,245,272; Nov. 6; v. 244; p. 38.
- Rasmussen, Rasmus J., and C. Jensen, Hannaford, N. D. Oil-can. No. 1,245,381; Nov. 6; v. 244; p. 71.
- Rasmussen, Harry M., Fairview, Utah. Receipt-cutter. No. 1,236,484; Aug. 14; v. 241; p. 338.
- Rassman, Ernest F., Charlottesville, Va. Can-washing machinery. No. 1,211,878; Jan. 9; v. 234; p. 550.
- Rassman, Ernest F., Charlottesville, Va. Can-washing machinery. No. 1,216,494; Feb. 20; v. 235; p. 798.
- Rassmann, Hugo C., Beaver Dam, Wis. Watering device for cattle. No. 1,210,693; Jan. 2; v. 234; p. 110.
- Rassmann, Hugo C., Beaver Dam, Wis. Watering device for cattle. (Reissue.) No. 14,308; May 29; v. 238; p. 1610.
- Rassmann, Hugo C., Beaver Dam, Wis. Watering device for cattle. No. 1,237,096; Aug. 14; v. 241; p. 538.
- Rassmann, Hugo C., Beaver Dam, Wis. Stanchion. No. 1,239,963; Sept. 11; v. 242; p. 425.
- Rastija, Jozo, East Akron, Ohio. Chair for ships. No. 1,220,553; Mar. 27; v. 236; p. 1035.
- Rastija, Jozo, Akron, Ohio. Swinging berth for ships. No. 1,245,769; Nov. 6; v. 244; p. 189.
- Rataiczak, Thomas F., assignor to The Hobart Manufacturing Company, Troy, Ohio. Meat-chopper. No. 1,219,586; Mar. 20; v. 236; p. 657.
- Ratliffe, Roscoe, New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Fuse-box. No. 1,224,118; Apr. 24; v. 237; p. 1190.
- Rateau Battu Smoot Company. (See Battu, Leonce L., assignor.)
- Rateau, Battu, Smoot Company. (See Smoot, Charles L., assignor.)
- Rateike, Charles J., assignor to Mark Manufacturing Company, Chicago, Ill. Pipe-fitting. No. 1,232,972; July 10; v. 240; p. 508.
- Rateike, Charles J., assignor to Mark Manufacturing Company, Chicago, Ill. Pipe-bend. No. 1,232,973; July 10; v. 240; p. 509.
- Rateike, Charles J., assignor to Mark Manufacturing Company, Chicago, Ill. Mechanism for forming pipe-fittings. No. 1,232,974; July 10; v. 240; p. 509.
- Ratekin, Emery J., Rushville, assignor to A. G. Shauck and E. D. McFall, Arlington, Ind. Adjustable clevis for agricultural implements. No. 1,222,580; Apr. 10; v. 237; p. 586.
- Rathbone, Sard & Company. (See Larson, Frank O., assignor.)
- Rathburn, Carl C., Westwood, Cal. Motor-adjusting base. No. 1,211,352; Jan. 2; v. 234; p. 333.
- Rathman, Gilbert, New York, N. Y. Speed-reducing gearing. No. 1,232,717; July 10; v. 240; p. 425.
- Rathman, Gilbert, assignor of three-tenths to W. Hodgkinson and four-tenths to J. A. Brown, New York, N. Y. Coffee-percolator. No. 1,226,005; May 15; v. 238; p. 744.
- Ratliff, Claude H., Plateau, Ala. Switch-operating mechanism. No. 1,210,838; Jan. 2; v. 234; p. 157.
- Ratliff, Samuel L., (See Dixon and Ratliff.)
- Ratner, Abraham, New York, N. Y. Concrete-reinforcing plate. No. 1,242,039; Oct. 2; v. 243; p. 181.
- Ratner, Jacob L., Winnipeg, Manitoba, Canada. Wheel attachment for sleigh-runners. No. 1,238,333; Aug. 28; v. 241; p. 1006.
- Ratner, Samuel M., Kansas City, Mo. Account-register. No. 1,216,731; Feb. 20; v. 235; p. 880.
- Rattelsdorfer, Martin J., (See Little and Rattelsdorfer.)
- Ratto, John B., Chicago, Ill. Display-rack. No. 1,236,355; Aug. 7; v. 241; p. 263.
- Ratz, Henry, Jersey City, N. J. Feed-bag support. No. 1,235,923; Aug. 7; v. 241; p. 130.
- Rau, Stanley L., New Brighton, Pa. Attachment of corrugated sheets to frame structures. No. 1,227,666; May 29; v. 238; p. 1370.
- Raub, Henry T., assignor of one-half to H. M. Ueberroth, South Bethlehem, Pa. Check-valve. No. 1,238,334; Aug. 28; v. 241; p. 1006.
- Raubitschek, William. (See Rogers, William R., assignor.)
- Raubitschek, William. (See Rogers, William R., assignor.)
- Rauch, Frank, Springfield, Mass. Fountain-pen light. No. 1,228,132; May 29; v. 238; p. 1528.
- Rauch, Frederick A., (See Racer, Walter C., assignor.)
- Rauchbach-Goldsmith Co. (See Rauchbach, Joseph, assignor.)
- Rauchbach, Joseph, Newark, N. J., assignor to Rauchbach-Goldsmith Co. Wardrobe-trunk. No. 1,215,991; Feb. 13; v. 235; p. 567.
- Rauchwetter, Franz, Berlin-Friedenau, Germany. Keyboard adding-machine. No. 1,239,622; Sept. 11; v. 242; p. 316.
- Raudebaugh, James D., San Diego, Cal. Novelty. No. 1,213,775; Jan. 23; v. 234; p. 1272.
- Rauh, Leopold, assignor to The Egry Register Company, Dayton, Ohio. Manifold attachment for type-writers. No. 1,214,824; Feb. 6; v. 235; p. 118.
- Rauh, Lester, New York, N. Y. Bathing-suit. No. 1,213,257; Jan. 23; v. 234; p. 1095.
- Rauhut, John R., Chicago, Ill. Sprinkling device. No. 1,225,857; May 15; v. 238; p. 695.
- Raule, Clifford T., Philadelphia, Pa. Automatic sizing device. No. 1,225,858; May 15; v. 238; p. 695.
- Raulli, Raphael, et al., (See D'Agostino, Nicola, assignor.)
- Raulz, Willie H., Hye, Tex. Attachment for planters. No. 1,242,591; Oct. 9; v. 243; p. 398.
- Raus, Charles. (See Bayliss and Raus.) (Reissue.)
- Rausch, Carl, Leipzig, Germany. Crippling-machine. No. 1,214,219; Jan. 30; v. 234; p. 1455.
- Rausch, Carl A., Leipzig-Gohlis, assignor to Fortuna-Werke Spezialmaschinenfabrik G. m. b. H., Stuttgart-Cannstatt, Germany. Boarding-machine. No. 1,232,975; July 10; v. 240; p. 509.
- Rausch, John A., (See Andersch and Rausch.)
- Rautzenburg, Freida, Philadelphia, Pa. Soap-receptacle. No. 1,211,353; Jan. 2; v. 234; p. 334.
- Ravenkamp, Ferdinand G., Spearville, Kans. Kerosene-oil heating-stove. No. 1,227,930; May 29; v. 238; p. 1460.
- Ravenshear, George, West Ealing, England. Target. No. 1,223,290; Apr. 17; v. 237; p. 867.
- Ravenshear, George, London, England. Target. No. 1,223,291; Apr. 17; v. 237; p. 868.
- Ravier, Sylvain L., Paris, France. Works such as retaining-walls, wharves, and piers. No. 1,231,426; June 26; v. 239; p. 1147.
- Rayn, Erik H. C., Marslev, Denmark. Rail-joint for railways. No. 1,223,731; Apr. 24; v. 237; p. 1058.
- Rawdon, Charles R., and F. McCoole, St. Louis, Mo. Apparatus for recovering precious metals. No. 1,228,133; May 29; v. 238; p. 1528.
- Rawdon, Edward W., Akron, Ohio. Inner tube for elastic vehicle-tires. No. 1,250,223; Dec. 18; v. 245; p. 591.
- Rawie, Franz, Osnabrück-Schinkel, Germany. Railway-buffer construction. No. 1,248,546; Dec. 4; v. 245; p. 35.
- Rawles, William L., South Norfolk, Va. Washer-cutter. No. 1,241,018; Sept. 25; v. 242; p. 823.
- Rawlings, Joe B., Memphis, Tenn. Electromechanical telautograph. No. 1,215,852; Feb. 13; v. 235; p. 517.
- Rawlings, Samuel V., Calumet, Mich. Power-hammer mechanism. No. 1,216,608; Feb. 20; v. 235; p. 839.
- Rawlings, Samuel V., Calumet, Mich. Power-hammer mechanism. No. 1,226,006; May 15; v. 238; p. 745.
- Rawlings, Samuel V., Calumet, Mich. Manufacturing drill-bits. No. 1,229,790; June 12; v. 239; p. 525.
- Rawlings, William F., Cleveland, Ohio. Combined automobile-jack and tire-pump. No. 1,213,012; Jan. 16; v. 234; p. 978.
- Rawluk, John. (See Mutro, Michael, assignor.)
- Rawls, Paul C., Des Moines, Iowa. Crystal-rectifier. No. 1,211,754; Jan. 9; v. 234; p. 504.
- Ray, Alton G., Pittsburgh, Pa. Window-lock. No. 1,248,547; Dec. 4; v. 245; p. 35.
- Ray, Charles T., assignor to B. F. Avery & Sons, Louisville, Ky. Planter. No. 1,213,411; Jan. 23; v. 234; p. 1149.
- Ray, Charles T., assignor to B. F. Avery & Sons, Louisville, Ky. Seed-hopper. No. 1,220,684; Mar. 27; v. 236; p. 1079.
- Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,246,320; Nov. 13; v. 244; p. 382.
- Ray, Frank O., Nashua, N. H. Trap. No. 1,215,853; Feb. 13; v. 235; p. 518.
- Ray, Frank O., Nashua, N. H. Trap. No. 1,215,854; Feb. 13; v. 235; p. 518.
- Ray, Frederick, Short Hills, N. J. Expansion-joint. No. 1,213,906; Jan. 30; v. 234; p. 1349.
- Ray, Homer. (See Bayless, Patrick A., assignor.)
- Ray, Mark G., Jacksonville, Fla. Heater. No. 1,213,013; Jan. 16; v. 234; p. 978.
- Ray, Paul, Champaign, Ill. Piano-bench. No. 1,245,967; Nov. 6; v. 244; p. 248.

- Ray, Paul J., Lakewood, Ohio. Electrical compression resistance unit. No. 1,213,809; Jan. 23; v. 234; p. 1285.
- Ray, Thomas H., Somerville, Mass. Ice-making machine. No. 1,219,773; Mar. 20; v. 236; p. 721.
- Ray, William F., Chicago, Ill. Relief-valve for tires. No. 1,250,503; Dec. 18; v. 245; p. 673.
- Ray, William F., Chicago, Ill. Core or mandrel. No. 1,250,504; Dec. 18; v. 245; p. 674.
- Ray, William F., and R. Bonnett, Samoa, Cal. Boiler fusible plug. No. 1,237,957; Aug. 21; v. 241; p. 848.
- Ray, William J., Fort Smith, Ark. Bale-tying mechanism. No. 1,225,173; May 8; v. 238; p. 420.
- Ray, William J., Fort Smith, Ark. Tractor plow and cultivator. No. 1,228,134; May 29; v. 238; p. 1528.
- Ray, William J., Fort Smith, Ark. Journal-box. No. 1,241,658; Oct. 2; v. 243; p. 61.
- Ray, William R., San Francisco, Cal. Automatic fuel cut-off for oil-burners. No. 1,247,149; Nov. 20; v. 244; p. 663.
- Raydure, Charles F., West Philadelphia, Pa. Contact-shoe for third-rail electric cars. No. 1,215,855; Feb. 13; v. 235; p. 518.
- Rayfield, Charles L., Chicago, Ill. Carbureter. No. 1,222,130; Apr. 10; v. 237; p. 425.
- Rayfield, Charles L., Chicago, Ill. Carbureter. No. 1,222,131; Apr. 10; v. 237; p. 425.
- Rayfield, Charles L., Chicago, Ill. Float-feed mechanism for carbureters. No. 1,222,561; Apr. 10; v. 237; p. 579.
- Rayfield, Charles L., Chicago, Ill. Carbureter-primer. No. 1,222,562; Apr. 10; v. 237; p. 580.
- Rayfield, Charles L., Chicago, Ill. Multiple-jet carbureter. No. 1,224,207; May 1; v. 238; p. 32.
- Rayfield, Charles L., Chicago, Ill. Carbureter. No. 1,224,208; May 1; v. 238; p. 33.
- Rayfield, Charles L., Chicago, Ill. Carbureter. No. 1,224,209; May 1; v. 238; p. 33.
- Rayl, Everett P., Galion, Ohio. Explosion-engine. No. 1,237,696; Aug. 21; v. 241; p. 768.
- Raymond, Austin W. (See Waltermire, Amos J., assignor.)
- Raymond Brothers Impact Pulverizer Company. (See Crites, Joe, assignor.)
- Raymond, Cadwallader M., Somerville, Mass. Shovel for sifting. No. 1,237,218; Aug. 14; v. 241; p. 574.
- Raymond, Charles F., assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,233,806; July 17; v. 240; p. 814.
- Raymond Concrete Pile Company. (See Upson, Maxwell M., assignor.)
- Raymond, Daniel R., Los Angeles, Cal. Vehicle-spring. No. 1,210,839; Jan. 2; v. 234; p. 158.
- Raymond, E. J. (See Kate, John H., assignor.)
- Raymond, Frank V., Auckland, New Zealand. Treatment of kauri and other like gums. No. 1,245,273; Nov. 6; v. 244; p. 39.
- Raymond, Frank V., Mount Eden, New Zealand. Apparatus for the treatment of kauri and other like gums. No. 1,249,493; Dec. 11; v. 245; p. 338.
- Raymond, Franklin M., and C. H. Dare, Saugatuck, Conn.; said Dare assignor to said Raymond. Electric signaling system for electric railways. No. 1,227,931; May 29; v. 238; p. 1460.
- Raymond, George E., Los Angeles, Cal. Air-pump for gasoline-tanks. No. 1,222,030; Apr. 10; v. 237; p. 391.
- Raymond, Henry W., assignor to Beals & Selkirk Trunk Company, Detroit, Mich. Trunk-lock. No. 1,250,352; Dec. 18; v. 245; p. 629.
- Raymond, Joseph A., Chicago, Ill. Handle-bar bracket and escutcheon. No. 1,232,084; July 3; v. 240; p. 186.
- Raymond, Nelson H., Buffalo, N. Y., assignor to Clifton Manufacturing Company, Jamaica Plain, Mass. Apparatus for electroplating tubes. No. 1,215,856; Feb. 13; v. 235; p. 519.
- Raymond, Nelson H., Buffalo, N. Y., assignor to Clifton Manufacturing Company, Jamaica Plain, Mass. Apparatus for electroplating pipes, rods, &c. No. 1,218,802; Mar. 13; v. 236; p. 357.
- Raymond, Pierre, Maisonneuve, Quebec, Canada. Fire-alarm. No. 1,235,242; July 31; v. 240; p. 1337.
- Raymond, Pynchon & Company. (See Smith, Ross G., assignor.)
- Raynaud, Charles F., San Francisco, Cal. assignor to Pacific Folding Box Factory. Box-folding machine. No. 1,230,516; June 19; v. 239; p. 802.
- Raynsford, Arthur, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,222,323; Apr. 10; v. 237; p. 494.
- Rayson, Russell, Melbourne, Victoria, Australia. Air-admission device for air-circulation storage-chambers. No. 1,240,367; Sept. 18; v. 242; p. 588.
- Re, Alfred, New York, N. Y. Window-lock. No. 1,226,597; May 15; v. 238; p. 942.
- Rea, Arthur D., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Tractor. No. 1,241,766; Oct. 2; v. 243; p. 94.
- Read, Alexander M., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Tube-mill. No. 1,249,494; Dec. 11; v. 245; p. 339.
- Read, Balfour, Marion, Ind. Internal-combustion engine. No. 1,237,386; Aug. 21; v. 241; p. 668.
- Read, Charles P., Chicago, Ill. Machine for placing springs in castings. No. 1,218,314; Mar. 6; v. 236; p. 150.
- Read, Elmer J., Rutherford, N. J. Jointed toy figure. No. 1,211,232; Jan. 2; v. 234; p. 295.
- Read, Fred A., Lynn, assignor to The Reece Button Hole Machine Company, Boston, Mass. Blindstitch sewing-machine. No. 1,222,671; Apr. 17; v. 237; p. 659.
- Read, Henry L. (See Richardson, Addison, and Read.)
- Read, Knut A. (See Miller and Read.)
- Read, Robert H., Washington, D. C., assignor to General Electric Company. Making insulated wires. No. 1,233,807; July 17; v. 240; p. 814.
- Read, Robert H., Washington, D. C., assignor to General Electric Company. Sheathed heater-wire and making same. No. 1,233,808; July 17; v. 240; p. 815.
- Read, Silas W., Corvallis, Oreg. Stock-indicator. No. 1,235,924; Aug. 7; v. 241; p. 130.
- Reade, William A., assignor to The Ludlow Typograph Company, Cleveland, Ohio. Typograph mechanism. No. 1,218,803; Mar. 13; v. 236; p. 358.
- Reade, William A., assignor to The Ludlow Typograph Company, Cleveland, Ohio. Typograph mechanism. No. 1,226,007; May 15; v. 238; p. 745.
- Reade, William A., assignor to Ludlow Typograph Company, Cleveland, Ohio. Type-bar or casting-slug. No. 1,241,019; Sept. 25; v. 242; p. 823.
- Reade, William A., and F. Metcalf, assignors to Ludlow Typograph Company, Cleveland, Ohio. Typograph mechanism. No. 1,212,680; Jan. 16; v. 234; p. 864.
- Reade, William A., and F. Metcalf, assignors to The Ludlow Typograph Company, Cleveland, Ohio. Making type-bars. No. 1,232,718; July 10; v. 240; p. 425.
- Reader, Edward C., et al. (See Noll, Charles, assignor.)
- Reader, Irwin A., et al. (See Noll, Charles, assignor.)
- Readman, Onésime, Grand Mere, Quebec, Canada. Stove-grate. No. 1,237,697; Aug. 21; v. 241; p. 769.
- Reagan, Daniel E., Columbus, Ohio. Attachment for brick-machines. No. 1,224,019; Apr. 24; v. 237; p. 1156.
- Reagan, Daniel E., Columbus, Ohio. Brickmaking-machine. No. 1,226,115; May 15; v. 238; p. 782.
- Reagan, Daniel J., Leominster, Mass., assignor to Viscoid Company. Goggles. No. 1,235,842; Aug. 7; v. 241; p. 102.
- Reagan, James, Philadelphia, Pa. Boiler and other furnace. No. 1,211,755; Jan. 9; v. 234; p. 504.
- Reagan, James, Philadelphia, Pa. Grate for automatic stokers. No. 1,223,830; Apr. 24; v. 237; p. 1093.
- Reagan, Warren J., Admire, Kans. Permutation-lock for latch-levers. No. 1,229,520; June 12; v. 239; p. 436.
- Reagan, William H., Jr., Miami, Ariz. Wrench. No. 1,217,217; Feb. 27; v. 235; p. 1090.
- Reagan, William H., Jr., Miami, Ariz. Take-up for bushings. No. 1,220,784; Mar. 27; v. 236; p. 1111.
- Reagen, Dominick A., Altoona, Pa. Steam-driven air-compressor. No. 1,215,192; Feb. 6; v. 235; p. 247.
- Reall, Arthur, assignor to Reall Portable Compressor Company, Philadelphia, Pa. Air-compressor and motor. No. 1,230,219; June 19; v. 239; p. 704.
- Reall Portable Compressor Company. (See Reall, Arthur, assignor.)
- Ream, Fred H., assignor to Noel Four-Wheel-Drive Manufacturing Company, Kansas City, Mo. Universal joint. No. 1,225,174; May 8; v. 238; p. 420.
- Ream, Myrton E., Evanston, Ill. Laundry-receptacle. No. 1,224,568; May 1; v. 238; p. 162.
- Reams, Joseph A., assignor to W. J. Parrish, Richmond, Va. Kiln. No. 1,223,732; Apr. 24; v. 237; p. 1058.
- Reams, Joseph M., Punxsutawney, Pa. Wrench for wire-spoke nipples. No. 1,247,328; Nov. 20; v. 244; p. 713.
- Reap, Michael H., Scranton, Pa. Regulator for separators. No. 1,217,826; Feb. 27; v. 235; p. 1303.
- Rear, Douglas J., Durban, South Africa. Cue-rest. No. 1,227,312; May 22; v. 238; p. 1223.
- Reardon, John M., Chico, Cal., and E. B. Bergeson, Everett, Wash. Calligraphic device. No. 1,217,063; Feb. 20; v. 235; p. 991.
- Reardon, Robert E., Ottawa, Ontario, Canada. Target-practice rod. No. 1,227,313; May 22; v. 238; p. 1224.
- Reardon, Robert E., Ottawa, Ontario, Canada. Target-holder for practice-rods. No. 1,228,245; May 29; v. 238; p. 1564.
- Reardon, Robert E., Ottawa, Ontario, Canada. Strainer. No. 1,247,006; Nov. 20; v. 244; p. 622.
- Rearwin, Wilber D., Grand Rapids, Mich. Filing-machine. No. 1,230,779; June 19; v. 239; p. 889.
- Reasoner, Claude C., Habana, Cuba, assignor to Cuba Self Loading Cane Truck Corporation, New York, N. Y. Motor-truck for cane-hauling. No. 1,250,505; Dec. 18; v. 245; p. 674.
- Reath, Frank F. (See Huber and Reath.)
- Reaume, Harvey W., Brodhead, Colo. Shielding appliance for mine trolley-wires. No. 1,243,220; Oct. 16; v. 243; p. 630.
- Reavell, William, Ipswich, England. Air-compressor. No. 1,242,040; Oct. 2; v. 243; p. 181.
- Reber, Irvin R., Marshall, Minn. Device for unrolling woven wire. No. 1,250,011; Dec. 11; v. 245; p. 488.
- Reber, Paul, Philadelphia, Pa. Bird-cage. No. 1,224,415; May 1; v. 238; p. 109.
- Robert, Michael A., York, Pa. Producing metallic alloys. No. 1,215,857; Feb. 13; v. 235; p. 519.
- Reblias, Jacob J., Shamokin, Pa. Lock. No. 1,234,488; July 24; v. 240; p. 1072.
- Rebman, Joseph, Dallas, Tex. Automobile steering apparatus. No. 1,235,055; July 31; v. 240; p. 1283.
- Rebold, August E., Okmulgee, Okla. Reel. No. 1,232,085; July 3; v. 240; p. 186.

Alphabetical list of patentees—Continued.

- Rechter, George. (See Bamfield and Rechter.)
 Rechter, George, San Francisco, Cal. Comb-cleaner. No. 1,239,964; Sept. 11; v. 242; p. 426.
 Recipro Engine Co., The. (See Moors, George F., assignor.)
 Recker, Adolph C., Oakville, assignor to Waterbury Mfg. Co., Waterbury, Conn. Lock-nut. No. 1,210,532; Jan. 2; v. 234; p. 54.
 Recker, Adolph C., Oakville, assignor to Waterbury Mfg. Co., Waterbury, Conn. Portable electric lamp. No. 1,225,491; May 8; v. 238; p. 529.
 Recker, Adolph C., Oakville, assignor to Waterbury Mfg. Co., Waterbury, Conn. Plural lamp-socket. No. 1,227,553; May 22; v. 238; p. 1302.
 Recker, Adolph C., Oakville, assignor to Waterbury Mfg. Co., Waterbury, Conn. Hanger or wall-pin. No. 1,235,159; July 31; v. 240; p. 1312.
 Record-Lite Company. (See Bernecker, George E., assignor.)
 Recording and Computing Machine Company, The. (See Ohmer, Wilfred I., assignor.)
 Recording and Computing Machine Company, The. (See Ohmer and Whistler, assignors.)
 Recording Register & Fare Box Company, The. (See Kennedy, Frank B., assignor.)
 Rectenwald, Daniel L., Pittsburgh, Pa. Safety attachment for tire-chains. No. 1,234,568; July 24; v. 240; p. 1097.
 Rector, Alcorn, assignor to Rector Gas Lamp Company, New York, N. Y. Power-generator. No. 1,239,519; Sept. 11; v. 242; p. 283.
 Rector, Alice, Mullen, Nebr. Washing-machine. No. 1,248,548; Dec. 4; v. 245; p. 35.
 Rector Engine Corporation. (See Rector, Enoch, assignor.)
 Rector, Enoch, assignor to Rector Engine Corporation, New York, N. Y. Hydrocarbon-burner. No. 1,213,412; Jan. 23; v. 234; p. 1149.
 Rector Gas Lamp Company. (See Rector, Alcorn, assignor.)
 Rector, Lancelot J. (See Carter and Rector.)
 Red, Christopher C., and O. G. Ross, Turlock, Cal. Machine-brake. No. 1,210,986; Jan. 2; v. 234; p. 210.
 Red Jacket Mfg. Co. (See Stebbins, Timothy, assignor.)
 Red Star Wheel Company. (See Bohannon, David E., assignor.)
 Redd, Benoit S., assignor to R. Hoe and Co., New York, N. Y. Blackleading machine. No. 1,233,400; July 17; v. 240; p. 683.
 Redd, Charlie, assignor to I. Pleser and C. G. Livingston, Chicago, Ill. Filling-machine. No. 1,218,315; Mar. 6; v. 236; p. 150.
 Reddick, Daniel B. and L. W., Belleville, Kans. Car step and door. No. 1,244,370; Oct. 23; v. 243; p. 1011.
 Reddick, Leonard W. (See Reddick, Daniel B. and L. W.)
 Reddig, Charles E., Detroit, Mich. Differential gearing. No. 1,213,258; Jan. 23; v. 234; p. 1096.
 Reddin, Daniel W., Jr., North Baltimore, Ohio. Pump. No. 1,236,981; Aug. 14; v. 241; p. 501.
 Reddin, Harriet, Attleboro, Mass. Oven-shelf. No. 1,216,164; Feb. 13; v. 235; p. 631.
 Redding, Harry B., assignor of one-fourth to M. A. Fritts, one-half to D. A. Diemert, and one-fourth to The Cleveland Steel Valve Co., Cleveland, Ohio. Steel-plate gate-valve. No. 1,213,259; Jan. 23; v. 234; p. 1096.
 Redding, Horatio I., York, Pa. Air-brake. No. 1,248,912; Dec. 4; v. 245; p. 142.
 Redding, Israel W., Clay Center, Kans. Beet-harvester. No. 1,232,086; July 3; v. 240; p. 186.
 Redding, Samuel A., Atlanta, Ga. Clamping device for trolley and other purposes. No. 1,222,132; Apr. 10; v. 237; p. 426.
 Redemption Gold Company. (See Tuggle, Benjamin P., assignor.)
 Redfield, Casper L., Chicago, Ill. Vehicle-wheel. No. 1,235,243; July 31; v. 240; p. 1338.
 Redfield, Casper L., and T. Ross, Chicago, Ill. Clock. No. 1,226,810; May 22; v. 238; p. 1054.
 Redfield, Cleveland, Ogden, Utah. Controlling mechanism for electric motors. No. 1,240,877; Sept. 25; v. 242; p. 779.
 Redfield, Edward E., Glendale, Oreg. Firearm. No. 1,233,603; July 17; v. 240; p. 751.
 Redheffer, Charles R., Philadelphia, Pa. Shoe-horn. No. 1,213,948; Jan. 30; v. 234; p. 1363.
 Redifer, Charles J., New York, N. Y. Rail-anchor. No. 1,242,981; Oct. 16; v. 243; p. 556.
 Redin, Andrew W., Rockford, Ill. Piston packing-ring. No. 1,238,191; Aug. 28; v. 241; p. 958.
 Redkey, John J., Pueblo, Colo. Automobile-heater. No. 1,217,064; Feb. 20; v. 235; p. 991.
 Redlick, Albert. (See Franke, Hans, assignor.)
 Redman, John D., Fillmore, N. Y. Shovel. No. 1,125,680; May 8; v. 238; p. 592.
 Redman, Lawrence V., Evanston, A. J. Welth, and F. P. Brock, assignors to Redmanol Chemical Products Company, Chicago, Ill. Producing phenolic condensation compounds. No. 1,242,592; Oct. 9; v. 243; p. 399.
 Redman, Lawrence V., Evanston, A. J. Welth, and F. P. Brock, assignors to Redmanol Chemical Products Company, Chicago, Ill. Condensation product and preparing same. No. 1,242,593; Oct. 9; v. 243; p. 399.
 Redman, William A., assignor to The McConway & Torley Company, Pittsburgh, Pa. Coupling-centering mechanism. No. 1,226,116; May 15; v. 238; p. 783.
 Redmanol Chemical Products Company. (See Goldsmith, Byron B., assignor.)
 Redmanol Chemical Products Company. (See Redman, Welth, and Brock, assignors.)
 Redmond, Charles, assignor of one-half to A. Salisbury, San Antonio, Tex. Shock-absorber. No. 1,250,012; Dec. 11; v. 245; p. 488.
 Redmond, Edmond, Rochester, N. Y. Street-car. No. 1,242,041; Oct. 2; v. 243; p. 182.
 Redshaw, Frederick W., Scottsdale borough, Pa. Grinder mechanism. No. 1,228,135; May 29; v. 238; p. 1529.
 Reece Button Hole Machine Company, The. (See Hagelstein, Christian H. T., assignor.)
 Reece Button Hole Machine Company, The. (See Kiewicz, John, assignor.)
 Reece Button Hole Machine Company, The. (See Mello, Alfred S., assignor.)
 Reece Button Hole Machine Company, The. (See Read, Fred A., assignor.)
 Reece Button Hole Machine Company, The. (See Reece, Franklin A., assignor.)
 Reece Button Hole Machine Company, The. (See St. Clair, Lawrence, assignor.)
 Reece Button Hole Machine Company, The. (See Zaleski, Frank, assignor.)
 Reece, Franklin A., Hopkinton, Mass. Liquid centrifugal separating-machine. No. 1,230,601; June 19; v. 239; p. 831.
 Reece, Franklin A., Hopkinton, assignor to The Reece Button Hole Machine Company, Boston, Mass. Stop-motion. No. 1,244,079; Oct. 23; v. 243; p. 925.
 Reece, John, Manchester, Mass. Stop-motion. No. 1,220,785; Mar. 27; v. 236; p. 1112.
 Reece, John, Manchester, Mass. Driving and stopping mechanism. No. 1,220,786; Mar. 27; v. 236; p. 1112.
 Reece, John, Manchester, Mass. Stop-motion. No. 1,220,787; Mar. 27; v. 236; p. 1112.
 Reece, John, Manchester, Mass. Variable-speed transmitter. No. 1,231,647; July 3; v. 240; p. 36.
 Reece, Richard J., Parkersburg, W. Va. Vessel-lifter. No. 1,230,029; June 12; v. 239; p. 602.
 Reece, Risdin P., Winston-Salem, N. C. Portable sawmill. No. 1,238,436; Aug. 28; v. 241; p. 1038.
 Reece Shoe Machinery Company. (See Baker, Winthrop D., assignor.)
 Reece Shoe Machinery Company, The. (See Flint, John B., assignor.)
 Reece Shoe Machinery Company. (See Perri, Angelo, assignor.)
 Reece Shoe Machinery Company, The. (See Schoenky, August R., assignor.)
 Reece Shoe Machinery Company. (See Zaleski, Frank, assignor.)
 Reed, Albert G., assignor to Russell Mfg. Co., Middletown, Conn. Woven-fabric endless belt. No. 1,219,151; Mar. 13; v. 236; p. 477.
 Reed, Alberto N. (See Reed, Benjamin H., O. A., and A. N.)
 Reed, Benjamin H., O. A., and A. N., Hightstown, N. J. Drain-tile. No. 1,220,891; Mar. 27; v. 236; p. 1149.
 Reed, Benton S., Springfield, Mo. Composition for rendering oil-paint transparent. No. 1,245,968; Nov. 6; v. 244; p. 248.
 Reed, Charles E., Warrensburg, Mo. Tailor's measuring instrument. No. 1,215,193; Feb. 6; v. 235; p. 247.
 Reed, Charles E., Warrensburg, Mo. Tailor's measuring instrument. No. 1,237,958; Aug. 21; v. 241; p. 849.
 Reed, Charles E., Chicago, Ill. Woodworking-machine. No. 1,246,465; Nov. 13; v. 244; p. 427.
 Reed, Clarence E., Houston, Tex. Well-boring drill. No. 1,236,982; Aug. 14; v. 241; p. 502.
 Reed, Clarence E., Houston, Tex. Roller-boring drill. No. 1,236,983; Aug. 14; v. 241; p. 502.
 Reed, Edward W. (See Chrisman, Rufe F., assignor.)
 Reed, Emerson G., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Transformer-core punching. No. 1,224,210; May 1; v. 238; p. 34.
 Reed, Emerson G., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Transformer. No. 1,227,314; May 22; v. 238; p. 1224.
 Reed, Emerson G., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Transformer. No. 1,231,648; July 3; v. 240; p. 36.
 Reed, Frank C., and E. A. and E. D. Parker, Springfield, Ohio. Target. No. 1,223,519; Apr. 24; v. 237; p. 983.
 Reed, Fred, and S. L. Inge, Bisbee, Ariz. Conveyer. No. 1,248,714; Dec. 4; v. 245; p. 85.
 Reed, Fred R., Highland Park, Mich. Carbon-remover. No. 1,227,667; May 29; v. 238; p. 1370.
 Reed, Fred W., South Bend, Ind. Embossing attachment for printing-presses. No. 1,223,614; Apr. 24; v. 237; p. 1016.
 Reed, General B., and J. H. Morgan, Greenville, Tex. Railway-frog. No. 1,247,879; Nov. 27; v. 244; p. 905.
 Reed, George B., Philadelphia, Pa. Automobile-lock. No. 1,244,893; Oct. 30; v. 243; p. 1209.
 Reed, Harvey F., New York, N. Y. Collapsible trap-nest. No. 1,240,487; Sept. 18; v. 242; p. 626.
 Reed, Henry J., Townsend, Mont. Ground-leveling machine. No. 1,223,831; Apr. 24; v. 237; p. 1093.

- Reed, Herbert C., Stamford, Conn. Manufacturing oxalic acid. No. 1,217,218; Feb. 27; v. 235; p. 1090.
- Reed, Homer L., Louisiana, Mo. Truck. No. 1,225,859; May 15; v. 238; p. 695.
- Reed, Ira M., Williamstown, W. Va. Drag for turn-plows. No. 1,245,969; Nov. 6; v. 244; p. 248.
- Reed, James H. (See Lawson and Reed.)
- Reed, James H. (See Roope and Reed.)
- Reed, James H., Swampscott, Mass. Construction of buttonholes and reinforcement thereof. No. 1,239,433; Sept. 4; v. 242; p. 227.
- Reed, James M., Brooklyn, assignor to Eagle Pencil Company, New York, N. Y. Fountain-pen. No. 1,216,732; Feb. 20; v. 235; p. 880.
- Reed, John F., Ottumwa, assignor to J. U. Yessler, Linn county, Iowa. Button-feeding mechanism for shoe-button-attaching machines. No. 1,232,841; July 10; v. 240; p. 465.
- Reed, John H., Van Wert, Ohio. Dirigible light. No. 1,234,389; July 24; v. 240; p. 1040.
- Reed, John H., Van Wert, Ohio. Dirigible-light apparatus for automobiles. No. 1,242,042; Oct. 2; v. 243; p. 182.
- Reed, Joseph S., Winnfield, La. Steel cross-tie and rail-clamp. No. 1,222,133; Apr. 10; v. 237; p. 426.
- Reed, Lyman C., and O. P. Smith, New Orleans, La. Cake-holder for coating-machines. No. 1,226,910; May 22; v. 238; p. 1087.
- Reed, Olmsted A. (See Reed, Benjamin H., O. A., and A. N.)
- Reed, Peter A., Illinois, Mo. Bearing. No. 1,249,196; Dec. 4; v. 245; p. 222.
- Reed-Prentice Company. (See Newton and Hendrickson, assignors.)
- Reed, Ralph R., Oakland, Cal. Safety device. No. 1,248,913; Dec. 4; v. 245; p. 142.
- Reed, Ray N. (See Eldred, Bibbins, and Reed.)
- Reed, Richard D., Westfield, Mass. Radiator wall-bracket. No. 1,245,143; Oct. 30; v. 243; p. 1284.
- Reed, Robert E. (See Throckmorton, Harry S., assignor.)
- Reed, Rolin, Princeton, Ill. Anchor for check-row planters. No. 1,247,007; Nov. 20; v. 244; p. 622.
- Reed, Roy E., Ripon, Wis. Variable-resistance device. No. 1,225,357; May 8; v. 238; p. 485.
- Reed, Roy E., Ripon, Wis. Dimming device. No. 1,228,477; June 5; v. 239; p. 35.
- Reed, Roy E., Ripon, Wis. Dimming device. No. 1,228,478; June 5; v. 239; p. 35.
- Reed, Roy E., Ripon, Wis. Dimming device for regulating the electric lights of automobiles. No. 1,235,244; July 31; v. 240; p. 1338.
- Reed, Rufus. (See Gemeny and Reed.)
- Reed, Sylvanus A., New York, N. Y. Apparatus for generating electricity. No. 1,225,175; May 8; v. 238; p. 420.
- Reed, Theodore J., Kansas City, Mo. Non-skid tire-protector. No. 1,244,080; Oct. 23; v. 243; p. 925.
- Reed, Thomas E. (See Watkins, Owen C., assignor.)
- Reed, Verner Z. (See Day, David T., assignor.)
- Reed, Walter C., Dalton, assignor to The Teleelectric Company, Pittsfield, Mass. Electrically-operated piano-player. No. 1,211,623; Jan. 9; v. 234; p. 460.
- Reed, Walter C., Dalton, assignor to The Teleelectric Company, Pittsfield, Mass. Electrically-operated piano-player. No. 1,236,356; Aug. 7; v. 241; p. 263.
- Reed, Walter C., Dalton, assignor to The Teleelectric Company, Pittsfield, Mass. Circuit-controller. No. 1,243,221; Oct. 16; v. 243; p. 630.
- Reed, Wert T., Milwaukee, Wis. Book-holder. No. 1,228,136; May 29; v. 238; p. 1529.
- Reed, William A., Chelsea, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Balancing device. No. 1,211,488; Jan. 9; v. 234; p. 413.
- Reed, William C., Canton, Ohio. Direction-signal. No. 1,250,506; Dec. 18; v. 245; p. 674.
- Reeder, Lester R., assignor of one-half to W. J. Quillen, Akron, Ohio. Elastic vehicle-tire. No. 1,215,577; Feb. 13; v. 235; p. 420.
- Reeds, Lucian B., Fulton, Ky. Shade and curtain banger. No. 1,219,774; Mar. 20; v. 236; p. 722.
- Reedy, Glenn D. (See Sherwood and Reedy.)
- Reeps, Charles O. (See Leonard and Reeps.)
- Rees, David D., assignor of one-half to E. C. Kellogg, College Place, Wash. Poultry leg-band. No. 1,232,976; July 10; v. 240; p. 510.
- Rees, George A. (See Hons and Aplin, assignors.)
- Rees, George A., Chicago, Ill. Golf-stick grip. No. 1,213,014; Jan. 16; v. 234; p. 978.
- Rees, Phillip J. (See Jones and Rees.)
- Rees, William D., Columbus, Ohio. Bath-tub attachment. No. 1,242,113; Oct. 2; v. 243; p. 204.
- Reese, Carl N., assignor to The Morgan Engineering Company, Alliance, Ohio. Manipulator for roller-tables. No. 1,239,623; Sept. 11; v. 242; p. 316.
- Reese, Charles, Stapleton, N. Y., assignor to Nevins-Church Press, Advertising-card. No. 1,213,015; Jan. 16; v. 234; p. 979.
- Reese, Claude E., Caney, Kans. Gas-purifier. No. 1,240,368; Sept. 18; v. 242; p. 588.
- Reese, Frank, assignor to Reese Manufacturing Company, Minneapolis, Minn. Window-screen. No. 1,216,495; Feb. 20; v. 235; p. 708.
- Reese, Fred, Eutaw, Ala. Rim and tire for wheels. No. 1,231,649; July 3; v. 240; p. 37.
- Reese, Harvey L., Sharon Hill, and H. H. Platt, Wallingford, Pa., assignors to Reese-Platt Engine Company, Wilmington, Del. Internal-combustion engine. No. 1,212,105; Jan. 9; v. 234; p. 626.
- Reese, Horace M., Atlanta, Ga. Cotton-picker. No. 1,241,280; Sept. 25; v. 242; p. 907.
- Reese, John N., Youngstown, Ohio. Charging device. No. 1,217,219; Feb. 27; v. 235; p. 1090.
- Reese, Joseph L., Hazleton, Pa. Record-cabinet. No. 1,235,380; July 31; v. 240; p. 1379.
- Reese, Louis C., Saginaw, Mich. Charging and discharging of automatic ovens, proofing-chambers, and the like. No. 1,220,456; Mar. 27; v. 236; p. 1001.
- Reese, Louis C., Saginaw, Mich. Charging and discharging of automatic ovens, proofing-chambers, and the like. No. 1,220,457; Mar. 27; v. 236; p. 1002.
- Reese, Louis C., assignor to Werner & Pfleiderer Co., Saginaw, Mich. Machine for molding dough and the like. No. 1,226,248; May 15; v. 238; p. 828.
- Reese, Louis C., assignor to Werner & Pfleiderer Co., Saginaw, Mich. Machine for molding dough and the like. No. 1,226,249; May 15; v. 238; p. 829.
- Reese, Louis C., assignor to Werner & Pfleiderer Co., Saginaw, Mich. Machine for molding dough and the like. No. 1,226,250; May 15; v. 238; p. 830.
- Reese, Louis C., assignor to Werner & Pfleiderer Co., Saginaw, Mich. Machine for molding dough and the like. No. 1,226,251; May 15; v. 238; p. 831.
- Reese, Louis C., assignor to Werner & Pfleiderer Co., Saginaw, Mich. Charging and discharging of automatic ovens, proofing-chambers, and the like. No. 1,226,252; May 15; v. 238; p. 831.
- Reese, Louis C., assignor to Werner & Pfleiderer Co., Saginaw, Mich. Charging and discharging of automatic ovens, proofing-chambers, and the like. No. 1,226,253; May 15; v. 238; p. 832.
- Reese Manufacturing Company. (See Reese, Frank, assignor.)
- Reese-Platt Engine Company. (See Reese and Platt, assignors.)
- Reese, Samuel L., Corsicana, Tex. Terracing-machine. No. 1,247,719; Nov. 27; v. 244; p. 860.
- Reese, Stephen, Sumner, Wash. Animal-trap. No. 1,239,722; Sept. 11; v. 242; p. 349.
- Reese, Thomas W. (See Hanly and Reese.)
- Reesser, Otto. (See Brown and Reesser.)
- Reesman, John S., Highland Park, Ill. Clothes-pin holder. No. 1,214,367; Jan. 30; v. 234; p. 1508.
- Reeve, Henry E., New York, N. Y. Thermostat. No. 1,212,260; Jan. 16; v. 234; p. 713.
- Reeve, Henry E., New York, N. Y. Signaling mechanism. No. 1,221,377; Apr. 3; v. 237; p. 132.
- Reeve, Henry E., New York, N. Y. Electromagnet construction. No. 1,236,357; Aug. 7; v. 241; p. 263.
- Reeve, Henry E., New York, N. Y. Fuel-regulator. No. 1,238,940; Sept. 4; v. 242; p. 70.
- Reeve, Henry E., New York, N. Y. Electromechanical gong. No. 1,245,508; Nov. 6; v. 244; p. 110.
- Reeve, John H., Sherman, Cal. Hose-coupling. No. 1,233,401; July 17; v. 240; p. 683.
- Reeves, Alfred N., Nashua, N. H. Loom. No. 1,214,953; Feb. 6; v. 235; p. 165.
- Reeves, David V., East Dedham, Mass. Submarine life-boat. No. 1,210,840; Jan. 2; v. 234; p. 158.
- Reeves, Frank N., Newark, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Selective signaling system. No. 1,218,804; Mar. 13; v. 236; p. 358.
- Reeves, Frank N., Newark, N. J., assignor to Western Electric Company, New York, N. Y. Telephone-exchange system. No. 1,235,599; Aug. 7; v. 241; p. 23.
- Reeves, Frank N., Newark, N. J., and A. E. Lundell, New York, N. Y., assignors, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,212,809; Jan. 16; v. 234; p. 907.
- Reeves, Frank N., Newark, N. J., and A. E. Lundell, New York, N. Y., assignors, by mesne assignments, to Western Electric Company, Incorporated. Automatic telephone-exchange system. No. 1,227,932; May 29; v. 238; p. 1461.
- Reeves, Frank N., Newark, N. J., and A. E. Lundell, assignors to Western Electric Company, Incorporated, New York, N. Y. Automatic-telephone register-sender. No. 1,232,087; July 3; v. 240; p. 187.
- Reeves, Frank N., Newark, N. J., and A. E. Lundell, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone system. No. 1,240,257; Sept. 18; v. 242; p. 554.
- Reeves, George C., Oak Park, Ill. Tank-ball. No. 1,239,520; Sept. 11; v. 242; p. 283.
- Reeves, George R., Magnolia Springs, Ala. Metallic railway-tie. No. 1,231,427; June 26; v. 239; p. 1147.
- Reeves, George R., Oak Park, Ill. Miter-clamp. No. 1,246,466; Nov. 13; v. 244; p. 427.
- Reeves, Milton O., assignor to Reeves Pulley Company, Columbus, Ind. Split-pulley clamp. No. 1,215,858; Feb. 13; v. 235; p. 519.
- Reeves, Milton O., assignor to Reeves Pulley Company, Columbus, Ind. Slip-comparing demonstrator. No. 1,242,863; Oct. 9; v. 243; p. 484.
- Reeves Pulley Company. (See Everoad, Lennious P., assignor.)
- Reeves Pulley Company. (See Reeves, Milton O., assignor.)

Alphabetical list of patentees—Continued.

- Reeves, Samuel V., Haddonfield, N. J. Hot-water stove and insulating-jacket therefor. No. 1,238,437; Aug. 28; v. 241; p. 1039.
- Reflex Co. (See Paul, William C., assignor.)
- Refrigerator Car Equipment Co. (See McCoy, Charles W., assignor.)
- Regal Button Works. (See Edison, Harry, assignor.)
- Regan, Barney. (See Autry and Regan.)
- Regan, William F., Brooklyn, N. Y., assignor, by mesne assignments, to Empire Paper Bottle Company. Machine for making fibrous containers. No. 1,222,134; Apr. 10; v. 237; p. 426.
- Regan, William F., Brooklyn, N. Y., assignor, by mesne assignments, to Empire Paper Bottle Company. Neck-forming mechanism for paper-bottle machines. No. 1,222,135; Apr. 10; v. 237; p. 427.
- Regan, William J. (See McConway and Regan.)
- Regan, William J., assignor to The McConway & Torley Company, Pittsburgh, Pa. Coupling-centering mechanism. No. 1,218,208; Mar. 6; v. 236; p. 112.
- Regan, William J., assignor to The McConway & Torley Company, Pittsburgh, Pa. Car-coupling-locking mechanism. No. 1,222,992; Apr. 17; v. 237; p. 768.
- Regan, William J., assignor to The McConway & Torley Company, Pittsburgh, Pa. Car-coupling-locking mechanism. No. 1,222,993; Apr. 17; v. 237; p. 769.
- Regan, William J., assignor to The McConway & Torley Company, Pittsburgh, Pa. Yoke. No. 1,236,869; Aug. 14; v. 241; p. 465.
- Regar Brass Manufacturing Company, The. (See Regar, Joseph, assignor.)
- Regar, Joseph, assignor to The Regar Brass Manufacturing Company, Cleveland, Ohio. Faucet attachment. No. 1,214,220; Jan. 30; v. 234; p. 1455.
- Reger, Conrad, Danville, Pa. Antiskidding grip-tread for vehicle-wheels. No. 1,213,949; Jan. 30; v. 234; p. 1363.
- Reger, Kent, Buckhannon, W. Va. Train signaling and stopping device. No. 1,230,030; June 12; v. 239; p. 602.
- Regout, Jules, Jr., Maastricht, Netherlands. Machine for raising nap on fabrics. No. 1,217,129; Feb. 20; v. 235; p. 1015.
- Rehally, John J., New York, N. Y. Digging-bucket. No. 1,217,500; Feb. 27; v. 235; p. 1190.
- Reher, Raymond, New York, N. Y. Speed-varying device. No. 1,220,554; Mar. 27; v. 236; p. 1035.
- Rehuffs, Clyde W., Sparta, Wis. Folding ironing-board. No. 1,234,569; July 24; v. 240; p. 1098.
- Reiber, Edwin H., West Webster, N. Y. Bird-house. No. 1,230,780; June 19; v. 239; p. 890.
- Reiboldt, William P., Irvington, and F. W. Beyen, Newark, N. J., assignors to R. H. B. Manufacturing Company. Acoustic signal device. No. 1,230,602; June 19; v. 239; p. 832.
- Reibstein, Louis, New York, N. Y. Garter. No. 1,250,507; Dec. 18; v. 245; p. 674.
- Reichard, Benjamin. (See Amsel and Reichard.)
- Reichard, Ervin H., and F. H. Harrold, Columbiana, Ohio. Hydraulic operating means for dumb-waiters. No. 1,219,044; Mar. 13; v. 236; p. 441.
- Reichart, William M. (See Liberman, Reichart, and Wobensmith.)
- Reichel, John, Philadelphia, and H. Werner, Norwood, assignors to H. K. Mulford Company, Philadelphia, Pa. Treating hog-cholera antitoxin. No. 1,224,860; May 1; v. 238; p. 263.
- Reichenbach & Co. (See Lutz, Carl, assignor.)
- Reichenbach, Henry M., Rochester, N. Y. Carbureter. No. 1,222,672; Apr. 17; v. 237; p. 659.
- Reichenbach, Henry M., Rochester, N. Y. Fuel-supply device for internal-combustion engines. No. 1,223,109; Apr. 17; v. 237; p. 808.
- Reichenbach, Henry M., Rochester, N. Y. Atomizing and nebulizing device. No. 1,224,020; Apr. 24; v. 237; p. 1157.
- Reichenbach, Henry M., Rochester, N. Y. Carbureter. (Reissue.) No. 1,433,2; July 24; v. 240; p. 1141.
- Reichenbach, Henry M., Detroit, Mich. Atomizer for internal-combustion engines. No. 1,250,657; Dec. 18; v. 245; p. 719.
- Reichert, Frank L., et al. (See Fisher, Fred, assignor.)
- Reichert, Jacob L., Boyne City, assignor of twenty-four one hundredths to W. H. Beeman and L. Beeman, Detroit, Mich. Clean-out means for closet-bowls. No. 1,235,160; July 31; v. 240; p. 1313.
- Reichhelm, George L., New Haven, Conn. Game. No. 1,223,520; Apr. 24; v. 237; p. 984.
- Reichhelm, George L., New Haven, Conn. Apparatus for and process of burning gas. No. 1,227,829; May 29; v. 238; p. 1426.
- Reichhelm, George L., New Haven, Conn., assignor to The Postcraft Company, Inc., New York, N. Y. Stamp-affixing machine. No. 1,239,624; Sept. 11; v. 242; p. 316.
- Reichold, Ludwig, Pittsfield, Mass., assignor to General Electric Company. Terminal for resistance members and producing same. No. 1,218,465; Mar. 6; v. 236; p. 199.
- Reicks, Clement, Auburn township, Fayette county, Iowa. Gang-plow. No. 1,250,013; Dec. 11; v. 245; p. 489.
- Reid, Alban H., Philadelphia, Pa. Attachment for seats. No. 1,220,555; Mar. 27; v. 236; p. 1036.
- Reid-Geisler Manufacturing Company. (See Reid, Willard M., assignor.)
- Reid, Harold F. (See Kelly and Reid.)
- Reid, Isalah, Elizabeth City, N. C. Floor-scrubber. No. 1,221,218; Apr. 3; v. 237; p. 77.
- Reid, James H., Newark, N. J. Securing potassium cyanid from water-insoluble potassium containing mineral. No. 1,226,811; May 22; v. 238; p. 1054.
- Reid, James H., Newark, N. J. Securing water-soluble potassium compounds from water-insoluble potassium-containing mineral. No. 1,226,812; May 22; v. 238; p. 1055.
- Reid, James H., Newark, N. J. Making calcium or other metal cyanamid. No. 1,241,020; Sept. 25; v. 242; p. 823.
- Reid, James H., Newark, N. J., assignor to Patents Process Company. Securing combustible fluids from carbonaceous solids. No. 1,224,788; May 1; v. 238; p. 238.
- Reid, James H., Newark, N. J., assignor to Patents Process Company. Means for promoting the discharge of molten products from a furnace or other apparatus. No. 1,227,067; May 22; v. 238; p. 1142.
- Reid, James H., Newark, N. J., assignor to Patents Process Company. Furnace or apparatus for making products electrically and means for facilitating discharge of same. No. 1,227,068; May 22; v. 238; p. 1142.
- Reid, James H., Newark, N. J., assignor to Patents Process Company. Furnace or apparatus for electrically making products and means for heating discharging products. No. 1,227,069; May 22; v. 238; p. 1142.
- Reid, James H., Newark, N. J., assignor to The Slemund Wenzel Electric Welding Company. Welding and repairing. No. 1,246,658; Nov. 13; v. 244; p. 484.
- Reid, Joseph W., Paterson, N. J. Bobbin. No. 1,243,102; Oct. 16; v. 243; p. 595.
- Reid, Maurice L., San Francisco, Cal., and R. E. Reid, Seattle, Wash. Sanitary receptacle. No. 1,219,152; Mar. 13; v. 236; p. 478.
- Reid, Pettis A. (See Reid, Walter V., assignor.)
- Reid, Robert E. (See Reid, Maurice L. and R. E.)
- Reid, Robert G., et al. (See Grikscheit, William, assignor.)
- Reid, Samuel E., Tahoka, Tex. Air-feed for motors. No. 1,230,781; June 19; v. 239; p. 890.
- Reid, W. Eugene. (See Reid, William J., assignor.)
- Reid, Walter V., assignor to P. A. Reid, Richmond, Ind. Feed mechanism for wire-fence machines. No. 1,242,594; Oct. 9; v. 243; p. 399.
- Reid, Walter V., assignor to P. A. Reid, Richmond, Ind. Feeding mechanism for wire-fence machines. No. 1,242,595; Oct. 9; v. 243; p. 399.
- Reid, Willard M., Port Clinton, Ohio, assignor to Reid-Geisler Manufacturing Company, Chicago, Ill. Humidifier. No. 1,243,975; Oct. 23; v. 243; p. 894.
- Reid, William, Macclesfield, N. C. Ironing-table. No. 1,221,592; Apr. 3; v. 237; p. 207.
- Reid, William, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Lamp-controlled circuit. No. 1,227,070; May 22; v. 238; p. 1143.
- Reid, William D., et al. (See Grikscheit, William, assignor.)
- Reid, William E., Stella, Mo. Hand-cultivator. No. 1,248,914; Dec. 4; v. 245; p. 143.
- Reid, William J., assignor to W. E. Reid, Dobson, N. C. Oil-burner. No. 1,227,315; May 22; v. 238; p. 1224.
- Reid, William O., Strawn, Tex. Cut-off lock. No. 1,211,756; Jan. 9; v. 234; p. 505.
- Reiferscheid, William, Chicago, Ill. Zigzag radiator. No. 1,238,192; Aug. 28; v. 241; p. 959.
- Reifsnnyder, James D., Olney, assignor to Stokes & Smith Company, Summerdale, Pa. Blank-bending machine. No. 1,211,757; Jan. 9; v. 234; p. 505.
- Reifsnnyder, James D., Philadelphia, assignor to Stokes & Smith Company, Summerdale, Pa. Strip-covering machine. No. 1,215,195; Feb. 6; v. 235; p. 248.
- Reifsnnyder, James D., and H. G. Schwerdtle, Philadelphia, Pa., assignors to Stokes & Smith Company. Adhesive-applying means for stenciling-machines. No. 1,215,194; Feb. 6; v. 235; p. 248.
- Reifsnnyder, James D., and W. A. Weightman, Philadelphia, assignors to Stokes & Smith, Summerdale, Pa. Sealed wrapped package. No. 1,249,495; Dec. 11; v. 245; p. 339.
- Reigel, John W., Bradford, Pa. Torque-arm for automobiles. No. 1,239,521; Sept. 11; v. 242; p. 283.
- Reilly, Edgar J., assignor to The William E. Pollock Company, Youngstown, Ohio. Pouring apparatus for hot metal. No. 1,246,783; Nov. 13; v. 244; p. 520.
- Reilly, Edward B., assignor of four-fifths to H. R. Young, Atlantic City, N. J. Submarine boat. No. 1,239,723; Sept. 11; v. 242; p. 349.
- Reilly, Edward B., assignor of four-fifths to H. R. Young, Atlantic City, N. J. Submarine boat. No. 1,244,242; Oct. 23; v. 243; p. 973.
- Reilly, Edward B., assignor of four-fifths to H. R. Young, Atlantic City, N. J. Center-of-gravity-shifting device for submarine boats. No. 1,244,243; Oct. 23; v. 243; p. 974.
- Reilly, Edward J., Baltimore, Md. Shoe-blackening stand. No. 1,242,043; Oct. 2; v. 243; p. 182.
- Reilly, Frank W., Sandwich, Mass. T-square. No. 1,242,722; Oct. 9; v. 243; p. 440.
- Reilly, James D., Providence, R. I. Demountable rim. No. 1,228,246; May 29; v. 238; p. 1565.
- Reilly, Mary G., Denver, Colo. Mop. No. 1,210,841; Jan. 2; v. 234; p. 158.

- Reilly, Peter C., Indianapolis, Ind. Material for the preservation of lumber. No. 1,220,001; Mar. 20; v. 236; p. 801.
- Reilly, Peter C., Indianapolis, Ind. Distilling coal-tar or coal-tar pitch and products derived therefrom. No. 1,230,782; June 19; v. 239; p. 890.
- Reilly, S. H. (See Swedberg, Peter O., assignor.)
- Reilly, William J., Denver, Colo. Pressure-producing apparatus. No. 1,219,867; Mar. 20; v. 236; p. 755.
- Reimann, Robert, and A. P. Parselle, Birmingham, England. Manufacture of seamless tubes. No. 1,213,539; Jan. 23; v. 234; p. 1194.
- Reimer, George H., assignor to Patent Novelty Company, Fulton, Ill. Towel-holder. No. 1,233,506; July 17; v. 240; p. 717.
- Reimer, George H., assignor to Patent Novelty Company, Fulton, Ill. Towel-holder. No. 1,235,600; Aug. 7; v. 241; p. 23.
- Reimer, Jorgen A. (See Hansen, Norre, and Reimer.)
- Reimers, Terry, Omaha, Nebr. Artificial bass-bait or frog. No. 1,239,724; Sept. 11; v. 242; p. 350.
- Reimers, Theodore M. (See Kotzich and Reimers.)
- Rein, Herman, New York, N. Y. Door-lock. No. 1,215,992; Feb. 13; v. 235; p. 568.
- Rein, Herman, New York, N. Y., and J. R. Combs, Dinsmore, Fla.; said Combs assignor to said Rein. Door-lock. No. 1,223,110; Apr. 17; v. 237; p. 809.
- Reiner, Morris, Brooklyn, N. Y. Garment. No. 1,214,073; Jan. 30; v. 234; p. 1407.
- Reiner, Robert, Weehawken Heights, N. J. Shock-absorber for starting mechanism. No. 1,213,016; Jan. 16; v. 234; p. 979.
- Reiners, Charles A., Hoboken, N. J. Elevator signalling apparatus and circuit therefor. No. 1,219,775; Mar. 20; v. 236; p. 722.
- Reinert, John F., South Elgin, Ill. Sand-settling box. No. 1,237,959; Aug. 21; v. 241; p. 849.
- Reinert, Peter J., Detroit, Mich. Doll-carriage. No. 1,213,017; Jan. 16; v. 234; p. 979.
- Reinforced Cravat Corporation. (See Church and Webb, assignors.)
- Reinforced Propeller and Insulating Company, The. (See Berry, Charles M., assignor.)
- Reinhardt, Dominic J., Smithton, Ill. Oil-can. No. 1,234,089; July 17; v. 240; p. 904.
- Reinhardt, James H., East Orange, N. J. Automatic cleaning device for numbering-machines. No. 1,242,373; Oct. 9; v. 243; p. 327.
- Reinhardt, Philip. (See Gernert and Reinhardt.)
- Reinhardt-Rutland, Charles E., London, England. Fastener or hook and the like. No. 1,213,540; Jan. 23; v. 234; p. 1194.
- Reinhart, Charles W., Forest Lake, Minn. Tug connection for harness. No. 1,213,907; Jan. 30; v. 234; p. 1350.
- Reinheimer, Luis C., Dayton, Ohio. Package-tie. No. 1,247,008; Nov. 20; v. 244; p. 622.
- Reinhold, Darwin O., San Francisco, Cal. Self-adjusting spreader for saws. No. 1,228,047; May 29; v. 238; p. 1501.
- Reinhold, Hugo F., and A. F. Meyer, Plymouth, Wis. Cheese-press. No. 1,221,219; Apr. 3; v. 237; p. 77.
- Reinhold, William, assignor to Brown Folding Machine Company, Erie, Pa. Folding-machine. No. 1,239,965; Sept. 11; v. 242; p. 426.
- Reinke, Eugene A., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic trunking system. No. 1,242,374; Oct. 9; v. 243; p. 327.
- Reinker, Christian, Lakewood, assignor to The Liberty Bell Company, Cleveland, Ohio. Signaling device. No. 1,231,298; June 26; v. 239; p. 1103.
- Reinle-Salmon Company. (See Marburger, Henry L., assignor.)
- Reinmuth, William C., Los Angeles, Cal. Suspenders. No. 1,228,599; June 5; v. 239; p. 77.
- Reinschmidt, John A., Blunt, S. D. Automobile transmission mechanism. No. 1,251,418; Dec. 25; v. 245; p. 993.
- Reip, David W., Lothair, Mont. Ratchet nut and pipe wrench. No. 1,229,322; June 12; v. 239; p. 369.
- Reiridon, Joseph F., Kingston, Pa., assignor to The Adder Machine Company, Wilkes-Barre, Pa. Paper-feeding device. No. 1,218,118; Mar. 6; v. 236; p. 81.
- Reisbach, Gustave B., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Cutting and sealing machine. No. 1,220,556; Mar. 27; v. 236; p. 1036.
- Reischmann, Edward, New York, N. Y. Lunch-room table. No. 1,229,138; June 5; v. 239; p. 257.
- Reising, Eugene G., Hartford, Conn. Firearm. No. 1,227,668; May 29; v. 238; p. 1371.
- Reisinger, Marion E., Albion, Iowa. Adjustable entrance-gate for beehives. No. 1,243,555; Oct. 16; v. 243; p. 728.
- Reisinger, Obied D., St. Paul, Minn. Car-seat. No. 1,219,868; Mar. 20; v. 236; p. 756.
- Reiss, Franklin, Camden, N. J. Toy building element. No. 1,241,281; Sept. 25; v. 242; p. 908.
- Reiss, Rosa, New York, N. Y. Hat structure. No. 1,236,984; Aug. 14; v. 241; p. 502.
- Reissner, Frederick, Chatham, assignor of one-half to A. T. Munger, Harrow, Ontario, Canada. Wagon-axle. No. 1,219,153; Mar. 13; v. 236; p. 478.
- Reisz, Eugen, Berlin-Treptow, Germany. Process to increase the sensibility of relays for alternating currents. No. 1,234,489; July 24; v. 240; p. 1072.
- Reiter, Charles F. (See Reiter, Joseph W. and C. F.)
- Reiter, Joseph W. and C. F., Minneapolis, Minn. Automatic self-cleaning rake. No. 1,251,284; Dec. 25; v. 245; p. 954.
- Reith, George C., assignor to E. F. Henson, trustee, Philadelphia, Pa. Coin-selector. No. 1,236,870; Aug. 14; v. 241; p. 465.
- Reitz, Heinrich. (See Pistor and Reitz.)
- Reitz, Henry F. (See Marouke, Missak, assignor.)
- Relay Automatic Telephone Company, The. (See Aitken, William, assignor.)
- Relay Automatic Telephone Company, The. (See Bygrave, Leonard C., assignor.)
- Relay Automatic Telephone Company, The. (See Herink, Henry J., assignor.)
- Relay Automatic Telephone Company, The. (See Ward, Bryant, and Inman, assignors.)
- Reliance Ball Bearing Door Hanger Company. (See Weiss, Louis T., assignor.)
- Reliance Ball Bearing Door Hanger Company. (See Weiss and Franklin, assignors.)
- Reliance Electric Heating Company. (See Mann, Nelson E., assignor.) (Reissue.)
- Reliance Gauge Column Company, The. (See Fording, William G., assignor.)
- Reliance Manufacturing Company, The. (See Hart, Edison W., assignor.)
- Reliance Oil and Gas Burner Company. (See Porter, John W., assignor.)
- Remar, Albert, Maynard, Ohio. Rail-fastener. No. 1,238,335; Aug. 28; v. 241; p. 1006.
- Rember, George A., assignor of one-half to F. Fator, Hailey, Idaho. Adjustable deck for stock-cars. No. 1,246,467; Nov. 13; v. 244; p. 427.
- Remer, Adam, and J. S. Tripp, Oklahoma, Okla. Train-hose coupling. No. 1,224,211; May 1; v. 238; p. 34.
- Remer, Alexander M., Philadelphia, Pa., and F. Hughes, Camden, N. J. Combination-square. No. 1,241,282; Sept. 25; v. 242; p. 908.
- Remhark, Charles, San Francisco, Cal. Gate-operator. No. 1,212,106; Jan. 9; v. 234; p. 627.
- Remick, Lloyd T., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Finishing edges. No. 1,226,117; May 15; v. 238; p. 783.
- Reminder Clock Co. (See Luttrell, Paul S., assignor.)
- Remington, Alfred M. (See De Avila and Remington.)
- Remington Arms and Ammunition Company. (See Dygert, Charles B., assignor.)
- Remington, Arthur L., assignor to Warp Compressing Machine Company, Worcester, Mass. Warp-beaming machine. No. 1,234,693; July 24; v. 240; p. 1135.
- Remington Typewriter Company. (See Barney, Edwin E., assignor.)
- Remington Typewriter Company. (See Barr, John H., assignor.)
- Remington Typewriter Company. (See Barr and Smith, assignors.)
- Remington Typewriter Company. (See Barrett, Glenn J., assignor.)
- Remington Typewriter Company. (See Bond, Charles J., assignor.)
- Remington Typewriter Company. (See Briggs, Arthur J., assignor.)
- Remington Typewriter Company. (See Farnham, Stephen H., assignor.)
- Remington Typewriter Company. (See Farnham, Smith, and Phelps, assignors.)
- Remington Typewriter Company. (See Felbel, Jacob, assignor.)
- Remington Typewriter Company. (See Fengler, Hermann V., assignor.)
- Remington Typewriter Company. (See Fenn, George J., assignor.)
- Remington Typewriter Company. (See Joselyn, Hubbard N., assignor.)
- Remington Typewriter Company. (See McNab, Ronald, assignor.)
- Remington Typewriter Company. (See Onderdonk, Wesley N., assignor.)
- Remington Typewriter Company. (See Selb, George A., assignor.)
- Remington Typewriter Company. (See Sheldon, William G., assignor.)
- Remington Typewriter Company. (See Smith, Arthur W., assignor.)
- Remington Typewriter Company. (See Steele, Herbert H., assignor.)
- Remington Typewriter Company. (See Strother, Robert H., assignor.)
- Remington Typewriter Company. (See Yaw, Clio B., assignor.)
- Remington, William M., Springfield, assignor to Stevens-Duryea Company, Chicopee Falls, Mass. Automobile fuel-control device. No. 1,246,157; Nov. 13; v. 244; p. 333.
- Remmen, Jörgen, Donora, assignor to G. T. Ladd, trustee, Pittsburgh, Pa. Combined gas and steam engine. No. 1,250,224; Dec. 18; v. 245; p. 591.

Alphabetical list of patentees—Continued.

- Remsen, Herbert D., assignor to Russell, Burdsall & Ward Bolt and Nut Company, Port Chester, N. Y. Machine for making nut-blanks. No. 1,217,501; Feb. 27; v. 235; p. 1190.
- Remy, Benjamin P. and F. I., Anderson, Ind., assignors, by mesne assignments, to Splitdorf Electrical Company, Newark, N. J. Generating and timing ignition-currents. No. 1,227,316; May 22; v. 238, p. 1225.
- Remy Electric Company. (See Conklin, Oliver F., assignor.)
- Remy Electric Company. (See Kennington, William O., assignor.)
- Remy, Frank I. (See Remy, Benjamin P. and F. I.)
- Renault, Louis. (See Fuchs, Ernest, assignor.)
- Renault, Louis. (See Leisse, Pierre L., assignor.)
- Renault, Louis, Billancourt, France. Carburation device for internal-combustion engines. No. 1,210,533; Jan. 2; v. 234; p. 54.
- Renaux, Charles, Paris, France. Lock. No. 1,224,021; Apr. 24; v. 237; p. 1157.
- Renaux, Charles, Paris, France. Locking mechanism and the like. No. 1,234,212; July 24; v. 240; p. 981.
- Rendahl, Ragnar H. (See Arco and Rendahl.)
- Rendle, William E., Westminster, London, England. Motor-propelled vehicle. No. 1,213,260; Jan. 23; v. 234; p. 1096.
- Rendleman, Norman C. (See Kernohan and Rendleman.)
- Reneau, George W., De View, Ark. Post-brace. No. 1,237,097; Aug. 14; v. 241; p. 539.
- Renihan, Ralph C., assignor to Van Zandt, Jacobs & Co., Troy, N. Y. Soft fold-collar. No. 1,223,521; Apr. 24; v. 237; p. 984.
- Renkenberger, Edward J., Buffalo, N. Y. Reinforced wire ferrule for wooden handles. No. 1,250,508; Dec. 18; v. 245; p. 675.
- Renkenberger, Edward J., assignor, by mesne assignments, to G. C. Renkenberger, Buffalo, N. Y. Fastening wood handles to tools. No. 1,228,600; June 5; v. 239; p. 77.
- Renkenberger, George C. (See Renkenberger, Edward J., assignor.)
- Rennau, Charles A., assignor of one-half to J. W. Sheldburne, Hannibal, Mo. Gripping-tool for packing-rings. No. 1,224,416; May 1; v. 238; p. 109.
- Renner, Nikolaus, Defiance, Ohio. Combination kitchen-table. No. 1,235,056; July 31; v. 240; p. 1283.
- Rennerfelt, Ture G., assignor to Grönkvists Mekaniska Verkstads Aktiebolag, Katrineholm, Sweden. Self-adjusting ball-bearing. No. 1,246,321; Nov. 13; v. 244; p. 382.
- Reno, Jesse W., New York, N. Y. Spiral-toothed-gear turbine. No. 1,234,213; July 24; v. 240; p. 981.
- Reno, William L., Owensboro, Ky. Interest-indicator. No. 1,217,220; Feb. 27; v. 235; p. 1091.
- Renouf, Sidney W. B., Portsmouth, England. Fountain shaving-brush. No. 1,244,894; Oct. 30; v. 243; p. 1210.
- Renshaw, Clarence, Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Time-limit relay-switch. No. 1,214,074; Jan. 30; v. 234; p. 1407.
- Renshaw, Clarence, Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Braking system. No. 1,236,760; Aug. 14; v. 241; p. 431.
- Renshaw, Clarence, Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Switching apparatus. No. 1,238,336; Aug. 28; v. 241; p. 1007.
- Renshaw, William C., Mannington, W. Va. Air-brake-operating mechanism. No. 1,216,841; Feb. 20; v. 235; p. 917.
- Renton, Henry N. (See Roper, William, assignor.)
- Renton, Henry N., assignor of one-half to W. Roper, Philadelphia, Pa. Metal sash-joint. No. 1,213,541; Jan. 23; v. 234; p. 1195.
- Renton, Herbert S. (See Stupar, Maxamillian, assignor.)
- Renwick, Frank F., Brentwood, and B. V. Storr, assignors to Ilford Limited, Ilford, England. Recovery of silver from weak photographic emulsions. No. 1,234,390; July 24; v. 240; p. 1040.
- Renwick, Frank F., Brentwood, and B. V. Storr, assignors to Ilford Limited, Ilford, England. Recovery of silver from weak photographic emulsions. No. 1,234,391; July 24; v. 240; p. 1040.
- Renzo, Francesco, Paterson, N. J. Shuttle tension. No. 1,228,479; June 5; v. 239; p. 36.
- Renzo, Francesco, Paterson, N. J., assignor, by mesne assignments, to A. Van Gieson, S. Morehead, T. W. and V. S. Hall. Shuttle. No. 1,247,601; Nov. 20; v. 244; p. 791.
- Reordan, Charles E., Dallas, Tex. Method and apparatus for generating motive fluid. No. 1,224,789; May 1; v. 238; p. 239.
- Repetto, Augustine B., Margate City, N. J. Saw-set. No. 1,239,217; Sept. 4; v. 242; p. 159.
- Replansky, Solomon, New York, N. Y. Lamp-extinguisher. No. 1,211,354; Jan. 2; v. 234; p. 334.
- Repp, Clinton B., New York, N. Y. Phonograph. No. 1,213,413; Jan. 23; v. 234; p. 1150.
- Repp, Clinton B., Plainfield, N. J. Phonograph. No. 1,215,410; Feb. 13; v. 235; p. 357.
- Ropstien, Raymond, Monticello, Iowa. Necktie-clasp. No. 1,236,761; Aug. 14; v. 241; p. 431.
- Republic Hose Coupler Corporation. (See Müller, Frank X., assignor.)
- Republic Hose Coupler Corporation, The. (See Müller and Winter, assignors.)
- Republic Mausoleum Company, The. (See Schnee and Riley, assignors.)
- Research Corporation. (See Bradley and Schmidt, assignors.)
- Research Corporation of New York, N. Y. (See Schmidt and Bradley, assignors.)
- Resopan-Gesellschaft m. b. H. (See Antoni, Friedrich A., assignor.)
- Respini, Americo J., and F. DeGiovani, Petaluma, Cal. Gate. No. 1,235,381; July 31; v. 240; p. 1379.
- Respiratory Apparatus Company, The. (See Tullar, William E., assignor.)
- Rest, Leo, Baltimore, Md. Chicken-vermin trap. No. 1,233,703; July 17; v. 240; p. 782.
- Restucci, Giuseppe, assignor to Restucci, Musso & Co., Naples, Italy. Tire for wheels. No. 1,241,283; Sept. 25; v. 242; p. 909.
- Restucci, Musso & Co. (See Restucci, Giuseppe, assignor.)
- Retlaw Manufacturing Company. (See Oeschger, Walter I., assignor.)
- Rettinger, William N., Bourbon, Ind. Tire. No. 1,214,590; Feb. 6; v. 235; p. 37.
- Rettinger, William N., Bourbon, Ind. Washing-machine. No. 1,217,636; Feb. 27; v. 235; p. 1239.
- Retuerto y Rizo, Enrique, Portugalete, Spain. Apparatus for the detection of leakages in the water-jackets of blast-furnaces. No. 1,217,346; Feb. 27; v. 235; p. 1133.
- Reuter, Balthasar E., Chicago, Ill. Soap and candle and improved making. No. 1,248,402; Nov. 27; v. 244; p. 1052.
- Reuter, Balthasar E., assignor to Reuter Process Company, Chicago, Ill. Decomposition of fats and oils. No. 1,219,485; Mar. 20; v. 236; p. 621.
- Reuter, Balthasar E., assignor to Reuter Process Company, Chicago, Ill. Bleaching fats, oils, and their derivatives. No. 1,219,486; Mar. 20; v. 236; p. 622.
- Reuter, Balthasar E., assignor to Reuter Process Company, Chicago, Ill. Apparatus for the decomposition of fats and oils. No. 1,227,198; May 22; v. 238; p. 1186.
- Reuter, Charles H. (See Dahlgren, Frank G., assignor.)
- Reuter, Frederick, New York, N. Y. Binding for books. No. 1,224,667; May 1; v. 238; p. 197.
- Reuter, George J., Newark, N. J. Self-healing tube and making same. No. 1,237,698; Aug. 21; v. 241; p. 769.
- Reuter Process Company. (See Reuter, Balthasar E., assignor.)
- Reuter, William F., Berlin, Nebr. Manure-distributor. No. 1,236,358; Aug. 7; v. 241; p. 264.
- Reuthe, Gustav, Sayville, assignor to Atlantic Communication Company, New York, N. Y. Antenna for radiotelegraph-stations. No. 1,214,591; Feb. 6; v. 235; p. 38.
- Reutter, William C., Manayunk, Pa. Automobile-fender. No. 1,223,904; Apr. 24; v. 237; p. 1118.
- Reveal, Charles W., St. Joseph, Mo. Stair-protractor. No. 1,249,496; Dec. 11; v. 245; p. 339.
- Revelli, Abiel B., Turin, Italy. Ball-and-socket joint for mounting firearms on shields, parapets, and the like. No. 1,241,149; Sept. 25; v. 242; p. 863.
- Revere Rubber Company. (See Cobb, Henry Z., assignor.)
- Revere Rubber Company. (See Gates, William R., assignor.)
- Revere Rubber Company. (See McDaid, Martin, assignor.)
- Revert, Albert, Verdi, Nev. Sectional tie. No. 1,231,428; June 26; v. 239; p. 1147.
- Revy, Julian W., London, England. Hot-water heating apparatus. No. 1,234,694; July 24; v. 240; p. 1135.
- Rewell, Elbridge G., Council Bluffs, Iowa, assignor of one-half to O. F. Orndoff, Harveys, Pa. Milk-can-lid holder. No. 1,224,212; May 1; v. 238; p. 34.
- Rex Golf Machine Company. (See Nott, Joseph H., assignor.)
- Rex Talking Machine Corporation. (See Marshall, Joseph B., assignor.)
- Rex Toy Manufacturing Co., The. (See Kawasaki, Utakichi, assignor.)
- Rey, Anthony. (See Mangisch and Rey.)
- Rey, Jean A., Paris, France. Apparatus for mixing and conveying fluids. No. 1,212,557; Jan. 16; v. 234; p. 818.
- Reyes, Ricardo, Mexico, Mexico. Metallic cushion-tire for vehicles. No. 1,233,331; July 17; v. 240; p. 658.
- Reyes, Ricardo, Mexico, Mexico. Separation of gold and silver from minerals. No. 1,243,976; Oct. 23; v. 243; p. 894.
- Reyes, Ricardo, Mexico, Mexico. Apparatus for the chlorination of minerals. No. 1,243,977; Oct. 23; v. 243; p. 894.
- Reynders, Augustus J., assignor to Pittsburgh-Hickson Company, Butler, Pa. Tube-bending mechanism. No. 1,238,941; Sept. 4; v. 242; p. 70.
- Reynders, Teunis J. M., Rotterdam, Netherlands. Fountain drawing-pen. No. 1,214,072; Jan. 30; v. 234; p. 1407.
- Reynolds, Adelbert L., New York, N. Y. Mixing device for gaseous fuel. No. 1,231,939; July 3; v. 240; p. 135.
- Reynolds, Charles B., Sawtelle, Cal. Airless tire-core. No. 1,223,204; Apr. 17; v. 237; p. 842.
- Reynolds, Charles H., Defiance, Pa. Bed attachment. No. 1,234,804; July 31; v. 240; p. 1203.
- Reynolds, Charles H., Hermosa Beach, Cal. Rocking toy. No. 1,244,371; Oct. 23; v. 243; p. 1011.
- Reynolds, Charles J., Melrose, Mass. Seal. No. 1,239,966; Sept. 11; v. 242; p. 426.

- Reynolds, Charles J., Melrose, Mass. Seal. No. 1,245,026; Oct. 30; v. 243; p. 1249.
- Reynolds, Clinton C., Le Roy, Ill. Support or stand. No. 1,231,197; June 26; v. 239; p. 1070.
- Reynolds, Daniel C., Philadelphia, Pa. Obtaining bark extracts. No. 1,220,557; Mar. 27; v. 236; p. 1036.
- Reynolds, Earl. See Kelly and Reynolds.
- Reynolds, Earle H., Black Creek, N. Y. Station-indicator. No. 1,251,419; Dec. 25; v. 245; p. 994.
- Reynolds, Edward C., Mineola, N. Y. Trunk-roping device. No. 1,250,014; Dec. 11; v. 245; p. 489.
- Reynolds, Elmer H., Nasonville, R. I. Suction-box for cloth crabbing and extracting machine. No. 1,236,359; Aug. 7; v. 241; p. 264.
- Reynolds, Frank H. (See Underwood and Reynolds.)
- Reynolds, Frank P. (See Reynolds, Marvin H., assignor.)
- Reynolds, Frank W., New Washington, Ohio. Combined simmer-burner and lighter for gas-stoves. No. 1,240,369; Sept. 18; v. 242; p. 589.
- Reynolds, George E., Wyoming, Pa. Automatic clutch mechanism for coal-jigs. No. 1,217,502; Feb. 27; v. 235; p. 1190.
- Reynolds, George R., Los Angeles, Cal. Fruit-picker. No. 1,235,601; Aug. 7; v. 241; p. 24.
- Reynolds, Hae R., and F. C. Beebe, Bedford, Iowa. Stabilizer for motor-vehicles. No. 1,231,066; June 26; v. 239; p. 1026.
- Reynolds, Howard W., Chicago, Ill. Egg-lifter. No. 1,228,821; June 5; v. 239; p. 152.
- Reynolds, James J. (See Ashenhurst, Harold S., assignor.)
- Reynolds, James W., Chicago, Ill. Fish bait or lure. No. 1,233,507; July 17; v. 240; p. 718.
- Reynolds, John C., Binghamton, N. Y. Electrically-operated door. No. 1,222,136; Apr. 10; v. 237; p. 427.
- Reynolds, John C., Stamford, Conn. Tool for compressing valve-springs. No. 1,227,669; May 29; v. 238; p. 1371.
- Reynolds, John J., Rantoul, Ill. Air-pressure-maintenance chamber for aircraft. No. 1,243,557; Oct. 16; v. 243; p. 729.
- Reynolds, John J., Rantoul, Ill. Safety navigable marine parachute. No. 1,249,829; Dec. 11; v. 245; p. 437.
- Reynolds, John J., and A. H. Jenkins, Ruleville, Miss. Dirigible-balloon construction. No. 1,236,603; Aug. 14; v. 241; p. 377.
- Reynolds, John J., and A. H. Jenkins, Ruleville, Miss. Cargo structure for aerial craft. No. 1,243,556; Oct. 16; v. 243; p. 729.
- Reynolds, John N., Greenwich, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y. Switch mechanism. No. 1,215,859; Feb. 13; v. 235; p. 520.
- Reynolds, John N., Greenwich, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone switch mechanism. No. 1,215,860; Feb. 13; v. 235; p. 520.
- Reynolds, John N., Greenwich, Conn., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,219,587; Mar. 20; v. 236; p. 657.
- Reynolds, John N., Greenwich, Conn., assignor, by mesne assignments, to Western Electric Company, Incorporated. Machine-switching telephone-exchange system. No. 1,238,193; Aug. 28; v. 241; p. 959.
- Reynolds, John N., Greenwich, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic switch. No. 1,238,194; Aug. 28; v. 241; p. 959.
- Reynolds, John R., assignor to The Smyth Manufacturing Company, Hartford, Conn. Signature-feed mechanism for book-stitching machines. No. 1,232,719; July 10; v. 240; p. 425.
- Reynolds, John R., assignor to The Smyth Manufacturing Company, Hartford, Conn. Book-stitching machine. No. 1,236,762; Aug. 14; v. 241; p. 431.
- Reynolds, John R., assignor to The Smyth Manufacturing Company, Hartford, Conn. Back-support for stitching-machines. No. 1,246,158; Nov. 13; v. 244; p. 333.
- Reynolds, Marvin H., assignor of one-third to F. P. Reynolds, Iowa Falls, Iowa. Sleigh-runner attachment for baby-carriages. No. 1,246,784; Nov. 13; v. 244; p. 521.
- Reynolds, Mercer, St. Elmo, Tenn. Insect-eradicator. No. 1,234,214; July 24; v. 240; p. 981.
- Reynolds, Mercer, Chattanooga, Tenn., assignor to Atlanta Utility Works, East Point, Ga. Method of and apparatus for delinting cotton-seed hulls. No. 1,244,131; Oct. 23; v. 243; p. 940.
- Reynolds, Morley P., assignor to The W. S. Tyler Company, Cleveland, Ohio. Screening device. No. 1,242,982; Oct. 16; v. 243; p. 556.
- Reynolds, Mortimore S., Yates Center, Kans. Medicine-injecting apparatus. No. 1,216,361; Feb. 20; v. 235; p. 750.
- Reynolds, Perry A. (See Wattles and Reynolds.)
- Reynolds, Theodore E., assignor of one-half to I. M. Farrington, Detroit, Mich. Automobile-starter. No. 1,223,292; Apr. 17; v. 237; p. 868.
- Reynolds, Walter E., Kansas City, Mo. Valve-lifter. No. 1,225,421; Apr. 24; v. 237; p. 947.
- Reynolds, Walter M., Hattiesburg, Miss. Automobile-fan-belt tightener. No. 1,238,822; Sept. 4; v. 242; p. 33.
- Reynolds, Walter M., assignor of one-half to J. B. Merkel, Hattiesburg, Miss. Cultivator. No. 1,238,821; Sept. 4; v. 242; p. 32.
- Reznicek, Anton, Jersey City, N. J. Belt. No. 1,222,800; Apr. 17; v. 237; p. 703.
- Reznor, George F., Mercer, Pa. Gas-oven. No. 1,235,602; Aug. 7; v. 241; p. 24.
- Rhea, Richard C., Whiteville, Tenn., assignor to Underwood Typewriter Company, New York, N. Y. Line-spacer for type-writing machines. No. 1,229,521; June 12; v. 239; p. 436.
- Rheault, Leon, Hickson, N. D. One-man hay-rack. No. 1,219,154; Mar. 13; v. 236; p. 478.
- Rheinische Metallwaren- und Maschinenfabrik. (See Grauheding, Oskar, assignor.)
- Rheinische Metallwaren- und Maschinenfabrik. (See Prah, Hugo, assignor.)
- Rheubottom, Allen J., New Albany, Ind. Composition of matter for sealing pneumatic tubes. No. 1,215,861; Feb. 13; v. 235; p. 521.
- Rhineland, James J., Pittsburgh, Pa. Roller-chain pipe-grip. No. 1,217,503; Feb. 27; v. 235; p. 1191.
- Rhinevault, Glenn G., assignor of one-half to W. B. Mer-shon & Co., Saginaw, Mich. Grinding-machine. No. 1,236,604; Aug. 14; v. 241; p. 377.
- Rho, Joseph A., assignor to J. E. Beauchamp, Montreal, Quebec, Canada. Folding chair. No. 1,228,967; June 5; v. 239; p. 200.
- Rhoades, Alonzo E., Hopedale, Mass., assignor, by mesne assignments, to Draper Corporation, Portland, Me. Automatic weft-replenishing loom. No. 1,212,399; Jan. 16; v. 234; p. 761.
- Rhoades, Alonzo E., Hopedale, Mass., assignor, by mesne assignments, to Draper Corporation, Portland, Me. Automatic weft-replenishing loom. No. 1,212,400; Jan. 16; v. 234; p. 762.
- Rhoades, Alonzo E., Hopedale, Mass., assignor, by mesne assignments, to Draper Corporation, Portland, Me. Harness-motion for looms. No. 1,212,401; Jan. 16; v. 234; p. 762.
- Rhoades, Alonzo E., Hopedale, Mass., assignor, by mesne assignments, to Draper Corporation, Portland, Me. Automatically-threading loom-shuttle. No. 1,212,402; Jan. 16; v. 234; p. 763.
- Rhoades, Alonzo E., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Filling-end remover for looms. No. 1,212,681; Jan. 16; v. 234; p. 864.
- Rhoades, Alonzo E., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Warp stop-mechanism for looms. No. 1,214,368; Jan. 30; v. 234; p. 1508.
- Rhoades, Alonzo E., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Loom-shuttle. No. 1,215,578; Feb. 13; v. 235; p. 420.
- Rhoades, Alonzo E., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. No. 1,222,994; Apr. 17; v. 237; p. 769.
- Rhoades, Alonzo E., Hopedale, Mass., assignor, by mesne assignments, to Draper Corporation, Portland, Me. Feeler mechanism for automatic weft-replenishing looms. No. 1,232,088; July 3; v. 240; p. 187.
- Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Filling-replenishing feeler-loom and filling-carrier therefor. No. 1,243,342; Oct. 16; v. 243; p. 666.
- Rhoades, Alonzo E., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Builder-motion. No. 1,247,880; Nov. 27; v. 244; p. 906.
- Rhoades, Alonzo E., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Expansion comb or reed. No. 1,249,283; Dec. 4; v. 245; p. 248.
- Rhoades, Arthur J., Philadelphia, Pa. Puffing cereal grains. No. 1,227,002; May 22; v. 238; p. 1121.
- Rhoades, Fred L., Sault Ste. Marie, Mich. Head-protector. No. 1,222,995; Apr. 17; v. 237; p. 770.
- Rhoades, Lewis T., Mont Clare, Pa., assignor to New York Coil Company, Incorporated, New York, N. Y. Means for automatically regulating automobile-headlights. No. 1,241,284; Sept. 25; v. 242; p. 909.
- Rhoades, Lewis T., Mont Clare, Pa., assignor to New York Coil Company, Incorporated, New York, N. Y. Locking device. No. 1,248,011; Nov. 27; v. 244; p. 943.
- Rhoads, Charles S., Jr., West Lafayette, Ind., assignor to Western Electric Company, Incorporated, New York, N. Y. Selector. No. 1,244,544; Oct. 30; v. 243; p. 1103.
- Rhoads, William B., San Francisco, Cal. Copy-holder. No. 1,245,027; Oct. 30; v. 243; p. 1249.
- Rhoads, William J., Chester, Pa. Mail-bag-transfer device. No. 1,244,372; Oct. 23; v. 243; p. 1011.
- Rhode, Peter M., Kenosha, Wis. Apparatus for applying strips. No. 1,234,215; July 24; v. 240; p. 982.
- Rhodes, Alexander, Grand Rapids, Minn. Rifle-carrier. No. 1,248,012; Nov. 27; v. 244; p. 943.
- Rhodes, E. V. (See Dick, Charles O., assignor.)
- Rhodes, Frank R., Haxmakertown, Va. Toy. No. 1,222,996; Apr. 17; v. 237; p. 770.
- Rhodes, Hampton P., Shreveport, La. Mining sulfur and other minerals. No. 1,217,065; Feb. 20; v. 235; p. 992.
- Rhodes, Hampton P., Shreveport, La. Mining apparatus. No. 1,217,066; Feb. 20; v. 235; p. 992.
- Rhodes, Irvin M. (See Wolf, Lewis W., assignor.)

Alphabetical list of patentees—Continued.

- Rhodes, James G., Chicago, Ill. Receptacle for sandwiches or the like. No. 1,216,842; Feb. 20; v. 235; p. 917.
- Rhodes, Jay B., Kalamazoo, Mich., assignor to Western Wheeled Scraper Company, Aurora, Ill. Dump-car. No. 1,245,382; Nov. 6; v. 244; p. 71.
- Rhodes, Thurman A., Altamont, Ill. Egg-packing device. No. 1,249,197; Dec. 4; v. 2; p. 222.
- Rhodin, John G. A., Chiswick, England. Utilizing field-spar. No. 1,232,977; July 10; v. 240; p. 510.
- Rhodus, Charlotte C. (See Rhodus, Thomas, assignor.)
- Rhodus, Thomas, Chicago, Ill. Rheostat. No. 1,230,221; June 19; v. 239; p. 705.
- Rhodus, Thomas, Chicago, Ill. Rheostat. No. 1,247,009; Nov. 20; v. 244; p. 623.
- Rhodus, Thomas, Chicago, Ill., assignor to The Magniphone Company. Telephone head-gear. No. 1,215,060; Feb. 6; v. 235; p. 204.
- Rhodus, Thomas, Chicago, Ill., assignor to C. C. Rhodus. Vehicle-wheel. No. 1,230,220; June 19; v. 239; p. 705.
- Rhomemus, George M., Independence, Mo. Lid-remover. No. 1,211,233; Jan. 2; v. 234; p. 296.
- Rhyne, Arthur M. (See Pate, William H., assignor.)
- Rhyne, Benjamin B., Charlotte, N. C. Pumping device. No. 1,243,222; Oct. 16; v. 243; p. 630.
- Rial, John, and W. C. Hodde, Brenham, Tex. Lawn-trimmer. No. 1,222,031; Apr. 10; v. 237; p. 392.
- Rial, Lee, Los Angeles, and W. Hebern, Oakland, Cal. Combination-lock. No. 1,247,150; Nov. 20; v. 244; p. 663.
- Ribble, Francis J., San Pedro, Cal. Heel-cutting apparatus. No. 1,243,627; Oct. 16; v. 243; p. 751.
- Riblet, Byron C. and R. N., Spokane, Wash. Tractor. No. 1,240,488; Sept. 18; v. 242; p. 626.
- Riblet, George E., Erie, Pa. Carbureter. No. 1,212,261; Jan. 16; v. 234; p. 714.
- Riblet, Royal N. (See Riblet, Byron C. and R. N.)
- Ricard, Louis, Detroit, Mich., assignor of one-half to T. St. Denis, Windsor, Ontario, Canada. Window-screen. No. 1,222,137; Apr. 10; v. 237; p. 426.
- Ricardo, Harry R., London, and A. E. L. Chorlton, Swallowbeck, England. Method of and apparatus for controlling the flow of fluids. No. 1,246,159; Nov. 13; v. 244; p. 334.
- Ricciardelli, Fiore, assignor of one-half to B. Freda, Jersey City, N. J. Chair. No. 1,248,915; Dec. 4; v. 245; p. 143.
- Rice & Adams. (See Rice, Albert J., assignor.)
- Rice and Adams Corporation. (See Adams, Charles S., assignor.) (Reissue.)
- Rice, Albert J., assignor to Rice & Adams, Buffalo, N. Y. Bottle-washing machine. No. 1,216,496; Feb. 20; v. 235; p. 799.
- Rice, Bettie A., executrix. (See Rice, Charlton E.)
- Rice, C. T. (See McDevitt, John M., assignor.)
- Rice, Charles D., Hartford, Conn. Multiple-spindle milling-machine and the like. No. 1,215,705; Feb. 13; v. 235; p. 466.
- Rice, Charles D., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,213,018; Jan. 16; v. 234; p. 980.
- Rice, Charlton E., deceased; B. A. Rice, executrix, Fulton, Ky. Book-supporting stand. No. 1,244,373; Oct. 23; v. 243; p. 1012.
- Rice, Clair P., Slayton, Minn. Car-brake. No. 1,218,466; Mar. 6; v. 236; p. 200.
- Rice, Clayton E., Chicago, Ill. Adjustable lamp-holder. No. 1,241,150; Sept. 25; v. 242; p. 864.
- Rice, Cyrus W., and C. W. Duke, Grand Rapids, Mich. Forming expanded reticulated constructions. No. 1,215,061; Feb. 6; v. 235; p. 204.
- Rice, David E., Brooklyn, N. Y. Stencil-stamp. No. 1,230,783; June 19; v. 239; p. 891.
- Rice, George H., Honolulu, Hawaii. Automatic uncoupling means for shaft-clutches. No. 1,242,723; Oct. 9; v. 243; p. 440.
- Rice, George H., Honolulu, Hawaii. Automatic uncoupling means for shaft-clutches. No. 1,242,724; Oct. 9; v. 243; p. 440.
- Rice, George L., Chicago, Ill., assignor to International Harvester Company of New Jersey. Spinning-machine. No. 1,217,067; Feb. 20; v. 235; p. 992.
- Rice, George M., Lincoln, Nebr., assignor of one-half to M. Mackay, Kansas City, Mo. Excavating-machine. No. 1,224,323; May 1; v. 238; p. 75.
- Rice, Henry E., Cameron, Mo. Clothes-line-prop attachment. No. 1,238,700; Aug. 28; v. 241; p. 1120.
- Rice, Jennie P., assignor to N. E. Rice, Garberville, Cal. Heat-distributor. No. 1,236,360; Aug. 7; v. 241; p. 264.
- Rice, Joel A. (See Rice, Joel T. J. A., and R. A.)
- Rice, Joel T. J. A., and R. A., New York, N. Y. Airship turn-table. No. 1,247,010; Nov. 20; v. 244; p. 623.
- Rice, John, Fort Payne, Ala. Gin-saw sharpener. No. 1,248,715; Dec. 4; v. 245; p. 85.
- Rice, John H., Dallas, Tex. Violin. No. 1,214,075; Jan. 30; v. 234; p. 1408.
- Rice, John H., assignor to Leighton Machine Company, Manchester, N. H. Knitting-machine. No. 1,215,411; Feb. 13; v. 235; p. 357.
- Rice, Joseph, Chicago, Ill. Container and opener. No. 1,249,497; Dec. 11; v. 245; p. 340.
- Rice, Joseph, Chicago, Ill. Container and opener. No. 1,249,498; Dec. 11; v. 245; p. 340.
- Rice, Joseph, Chicago, Ill. Container and opener. No. 1,249,499; Dec. 11; v. 245; p. 340.
- Rice, Louis W., New York, N. Y. Device for holding newspapers, magazines, &c., in position. No. 1,214,076; Jan. 30; v. 234; p. 1408.
- Rice Manufacturing Company, The. (See Rice, Thomas F., assignor.)
- Rice, Mark A., Los Angeles, Cal. Wrench. No. 1,218,316; Mar. 6; v. 236; p. 150.
- Rice, Merritt H., New Rochelle, assignor to National Electric Utilities Corporation, New York, N. Y. Electrical resistance element and making the same. No. 1,232,843; July 10; v. 240; p. 466.
- Rice, Norman E. (See Rice, Jennie P., assignor.)
- Rice, Patrick A. (See Michael, Samuel P., assignor.)
- Rice, Percy, Wilsall, Mont. Sleigh-runner attachment for wagons. No. 1,218,467; Mar. 6; v. 236; p. 200.
- Rice, Reynold J., Waterloo, Iowa. Hanger for ears of corn. No. 1,211,234; Jan. 2; v. 234; p. 296.
- Rice, Richard B., Rochester, N. Y. Variable-speed gearing. No. 1,214,869; Jan. 30; v. 234; p. 1509.
- Rice, Richard H., Lynn, Mass., assignor to General Electric Company. Elastic-fluid turbine. No. 1,218,468; Mar. 6; v. 236; p. 200.
- Rice, Richard H., Lynn, Mass., assignor to General Electric Company. Separator. No. 1,230,784; June 19; v. 239; p. 891.
- Rice, Richard H., Lynn, Mass., assignor to General Electric Company. Bucket-fastening means for turbines. No. 1,249,203; Dec. 4; v. 245; p. 223.
- Rice, Richard H., Lynn, Mass., assignor to General Electric Company. Constant-volume governor. No. 1,250,015; Dec. 11; v. 245; p. 489.
- Rice, Royal A. (See Rice, Joel T. J. A., and R. A.)
- Rice, Thomas D., Pawtucket, R. I. Cue-lock. No. 1,228,601; June 5; v. 239; p. 77.
- Rice, Thomas E., Des Moines, Iowa. Gasoline substitute. No. 1,230,924; June 26; v. 239; p. 976.
- Rice, Thomas F., Henrietta, assignor to The Rice Manufacturing Company, Rochester, N. Y. Digger for potatoes, peanuts, or the like. No. 1,241,883; Oct. 2; v. 243; p. 133.
- Rice, Zachariah E., Landisburg, Pa. Spring-clip for automobile-chain fasteners. No. 1,220,002; Mar. 20; v. 236; p. 801.
- Rich, Ambrose, Stamford, Conn. Non-skid tire. No. 1,226,254; May 15; v. 238; p. 833.
- Rich, George R., Oak Park, Ill. Tappet. No. 1,215,062; Feb. 6; v. 235; p. 204.
- Rich, George R., Oak Park, Ill. Piston for internal-combustion engines. No. 1,228,048; May 29; v. 238; p. 1501.
- Rich, George R., Chicago, Ill. Piston for internal-combustion engines. No. 1,228,049; May 29; v. 238; p. 1501.
- Rich, George R., Oak Park, assignor to Rich Tool Company, Chicago, Ill. Puppet-valve for internal-combustion engines. No. 1,218,317; Mar. 6; v. 236; p. 151.
- Rich, George R., assignor to Rich Steel Products Company, Battle Creek, Mich. Tappet for internal-combustion engines. No. 1,228,350; May 29; v. 238; p. 1599.
- Rich, Hollen W. (See McNally, Leo F., assignor.)
- Rich, Homer B., Allston, Mass. Roll holder and cutter. No. 1,237,960; Aug. 21; v. 241; p. 849.
- Rich, Ralph E., Chicago, Ill. Piston for internal-combustion engines. No. 1,248,162; Nov. 27; v. 244; p. 985.
- Rich Steel Products Company. (See Rich, George R., assignor.)
- Rich Tool Company. (See Rich, George R., assignor.)
- Rich, Waldo A., Jr., assignor to Dennison Manufacturing Company, Framingham, Mass. Paper decoration. No. 1,248,916; Dec. 4; v. 245; p. 143.
- Richard Auto Mfg. Company, The. (See Richard, François, assignor.)
- Richard, Charles D., assignor to American Taximeter Company, New York, N. Y. Taximeter. No. 1,234,216; July 24; v. 240; p. 982.
- Richard, Charles D., assignor to American Taximeter Company, New York, N. Y. Taximeter. No. 1,234,217; July 24; v. 240; p. 982.
- Richard, Eugene C., Flint, Mich. Carbureter. No. 1,216,843; Feb. 20; v. 235; p. 918.
- Richard, François, Cleveland, Ohio. Vehicle spring suspension. No. 1,251,104; Dec. 25; v. 245; p. 903.
- Richard, François, assignor to The Richard Auto Mfg. Company, Cleveland, Ohio. Cutter. No. 1,243,446; Oct. 16; v. 243; p. 696.
- Richard Hudnut, Inc. (See Dusenbury, Henry G., Jr., assignor.)
- Richard Hudnut, Inc. (See Hudnut, Richard A., assignor.)
- Richard, Joseph. (See Rioux, Alphonse, assignor.)
- Richard, Jules. (See Colardeau and Richard.)
- Richard, Jules, Paris, France. Means for regulating the eyepieces of stereoscopes. No. 1,221,091; Apr. 3; v. 237; p. 31.
- Richard, Leroy L., Coalinga, Cal. Sucker-rod and casing elevator. No. 1,219,776; Mar. 20; v. 236; p. 723.
- Richard, Leroy L., Coalinga, Cal. Rotary drilling-bit. No. 1,226,377; May 15; v. 238; p. 873.
- Richard, Martin J., Rayne, La. Harrow. No. 1,237,556; Aug. 21; v. 241; p. 722.

- Richards, Adelbert H., Salt Lake City, Utah, assignor to American Smelting and Refining Company. Ore cooling, moistening, and feeding table. No. 1,231,790; July 3; v. 240; p. 85.
- Richards, Archer W., assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Uniting metal bodies. No. 1,227,830; May 29; v. 238; p. 1427.
- Richards, Carroll H., Boston, Mass. Recorder. No. 1,248,716; Dec. 4; v. 245; p. 86.
- Richards, Edward T. (See Diamond and Richards.)
- Richards, Ernst R., assignor to Sears, Roebuck and Company, Chicago, Ill. Making matrices. No. 1,222,138; Apr. 10; v. 237; p. 428.
- Richards, Ernst R., assignor to Sears, Roebuck and Company, Chicago, Ill. Bookbinding. No. 1,235,382; July 31; v. 240; p. 1380.
- Richards, Everett, Edingham, Kans. Leaf-binder. No. 1,250,016; Dec. 11; v. 245; p. 489.
- Richards, Frank S., Warren, Pa. Nursing-bottle stopper. No. 1,250,658; Dec. 18; v. 245; p. 719.
- Richards, George C., Berkeley, Cal. Rail-joint. No. 1,230,031; June 12; v. 239; p. 603.
- Richards, George D., Chatham, N. J. Hair-curler. No. 1,236,871; Aug. 14; v. 241; p. 465.
- Richards, George M., Philadelphia, Pa. Valve for air-compressors. No. 1,251,420; Dec. 25; v. 245; p. 994.
- Richards, Hugh R., Indianapolis, Ind. Chocolate-heater. No. 1,239,218; Sept. 4; v. 242; p. 160.
- Richards, Joe, Timpson, Tex. Boll-weevil catcher. No. 1,244,895; Oct. 30; v. 243; p. 1210.
- Richards, John, *et al.* (See Cameron, Francis G., assignor.)
- Richards, Julius H. (See Borger and Richards.)
- Richards, Julius H., Essex, assignor to Splittdorf Electrical Company, Newark, N. J. Engine-starter. No. 1,227,003; May 22; v. 238; p. 1121.
- Richards, Julius H., assignor to Splittdorf Electrical Company, Newark, N. J. Engine-starter. No. 1,248,549; Dec. 4; v. 245; p. 36.
- Richards, Ralph W., Waterville, Me. Pocket surveying instrument. No. 1,223,615; Apr. 24; v. 237; p. 1016.
- Richards, Richard, and H. P. Marley, New Castle, Pa. Carrying-hook. No. 1,216,362; Feb. 20; v. 235; p. 750.
- Richards, Robert H., Boston, Mass. Jig. No. 1,230,433; June 19; v. 239; p. 773.
- Richards, Walter J., assignor to National Brake & Electric Company, Milwaukee, Wis. Mechanism for unloading compressors for starting. No. 1,230,925; June 26; v. 239; p. 976.
- Richards-Wilcox Manufacturing Company. (See Phillips, Ellis J. G., assignor.)
- Richards, Willard F. (See Milne and Richards.)
- Richards, Willard F., Depew, assignor to Gould Coupler Company, New York, N. Y. Supporting device for couplings. No. 1,213,542; Jan. 23; v. 234; p. 1195.
- Richards, Willard F., Depew, assignor to Gould Coupler Company, New York, N. Y. Car-coupling. No. 1,213,543; Jan. 23; v. 234; p. 1195.
- Richards, Willard F., Depew, assignor to Gould Coupler Company, New York, N. Y. Auxiliary shank and connection for passenger-car couplings. No. 1,218,469; Mar. 6; v. 236; p. 200.
- Richards, Willard F., Depew, assignor to Gould Coupler Company, New York, N. Y. Railway-draft appliance. No. 1,235,726; Aug. 7; v. 241; p. 63.
- Richards, Willard F., Depew, assignor to Gould Coupler Company, New York, N. Y. Draft-gear. No. 1,236,872; Aug. 14; v. 241; p. 465.
- Richards, Willard F., Depew, assignor to Gould Coupler Company, New York, N. Y. Centering and supporting device for car-couplings. No. 1,236,873; Aug. 14; v. 241; p. 466.
- Richards, Willard F., Buffalo, N. Y., assignor to Gould Coupler Company. Dynamo-mounting. No. 1,242,596; Oct. 9; v. 243; p. 400.
- Richards, Willard F., Buffalo, N. Y., assignor to Gould Coupler Company. Dynamo suspension. No. 1,242,597; Oct. 9; v. 243; p. 400.
- Richards, William E. (See Hostetler and Richards.)
- Richards, William M., New York, N. Y. Refractometer. No. 1,232,842; July 10; v. 240; p. 465.
- Richards, Adam, Elba, and B. B. Jackson, Almyra, Ark., said Richardson assignor to said Jackson. Work-support. No. 1,244,374; Oct. 23; v. 243; p. 1012.
- Richardson, Albert F. (See Johnson, Augustus, assignor.)
- Richardson, Bayard E., assignor to Mechano Gear Shift Co., Grand Rapids, Mich. Gear-shift. No. 1,229,655; June 12; v. 239; p. 482.
- Richardson, Cecil H., Saskatoon, Saskatchewan, Canada. Pipe-squeezer. No. 1,223,522; Apr. 24; v. 237; p. 984.
- Richardson, Charles E., New York; W. B. Eddison, Irvington; and H. L. Read, assignors to The Surface Combustion Company, New York, N. Y. Apparatus for burning explosive gaseous mixtures. No. 1,242,114; Oct. 2; v. 243; p. 205.
- Richardson, Charles F., Woonsocket, R. I., assignor, by mesne assignments, to G. B. Pitts, trustee, Cleveland, Ohio. Vending-machine. No. 1,215,862; Feb. 13; v. 235; p. 521.
- Richardson, David J., Pittsburgh, Pa. Lock for boxes. No. 1,239,725; Sept. 11; v. 242; p. 350.
- Richardson, Edward J. and J. R., assignors of one-third to G. R. Warner, Chamberlain, S. D. Self-adjusting driving-belt. No. 1,215,196; Feb. 6; v. 235; p. 249.
- Richardson, Ellen E., Boston, Mass. Lace-fastener. No. 1,241,021; Sept. 25; v. 242; p. 823.
- Richardson, Frank C. A., New York, N. Y. Spectacles. No. 1,233,908; July 1; v. 240; p. 847.
- Richardson, George H. (See Loptson and Richardson.)
- Richardson, George W., South Hero, Vt. Boat. No. 1,220,558; Mar. 27; v. 236; p. 1036.
- Richardson, George W., and G. H. Higgins, Chicago, Ill. Valve-gearing for internal-combustion engines. No. 1,220,274; Mar. 27; v. 236; p. 935.
- Richardson, Harvey J. (See Jamieson, Bertrand G., assignor.)
- Richardson, Henry, Chicago, Ill. Wire fabric. No. 1,248,550; Dec. 4; v. 245; p. 36.
- Richardson, Henry, Chicago, Ill. Wire fabric. No. 1,248,551; Dec. 4; v. 245; p. 36.
- Richardson, Henry, Chicago, Ill. Wire fabric. No. 1,248,552; Dec. 4; v. 245; p. 37.
- Richardson, Henry, Chicago, Ill. Wire fabric. No. 1,248,553; Dec. 4; v. 245; p. 37.
- Richardson, Henry, Chicago, Ill., and W. Lippert, Kenosha, Wis.; said Lippert assignor to said Richardson. Wire fabric. No. 1,247,720; Nov. 27; v. 244; p. 860.
- Richardson, Henry, Chicago, Ill., and W. Lippert, Kenosha, Wis.; said Lippert assignor to said Richardson. Wire fabric. No. 1,247,721; Nov. 27; v. 244; p. 860.
- Richardson, Henry F., New York, assignor to H. F. Richardson and C. Auth, trustees, Brooklyn, N. Y. Connection-box and plugging-jack. No. 1,223,111; Apr. 17; v. 237; p. 809.
- Richardson, Holden C. (See Bristol and Richardson.)
- Richardson, Ira C. (See Wicklund and Grobey, assignors.)
- Richardson, Jackson B., Fisk, Mo. Twine-holder. No. 1,221,593; Apr. 3; v. 237; p. 207.
- Richardson, James F., Jamestown, N. Y. Ball-bearing. No. 1,214,825; Feb. 6; v. 235; p. 118.
- Richardson, James M. (See Kenyon, Harrie B., assignor.)
- Richardson, James M. (See Slater, Harvey H., assignor.)
- Richardson, James R. (See Richardson, Edward J. and J. R.)
- Richardson, Jesse H., Philadelphia, Pa. Safety-chuck. No. 1,211,758; Jan. 9; v. 234; p. 506.
- Richardson, John H., Melrose, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-breasting machine. No. 1,236,763; Aug. 14; v. 241; p. 432.
- Richardson, John R. (See Gendron and Richardson.)
- Richardson, Joseph V., Goshen, Ind. Grooving and equalizing machine. No. 1,243,663; Oct. 16; v. 243; p. 762.
- Richardson Manufacturing Company. (See Curtis, John D., assignor.)
- Richardson, Marshall L. (See Manuel and Richardson.)
- Richardson, Oswald C., London, England. Grid for frying-pans and the like. No. 1,233,909; July 17; v. 240; p. 848.
- Richardson-Phenix Co., The. (See Peterson and Quam, assignors.)
- Richardson, Robert H., Richmond, Va. Shutter. No. 1,245,970; Nov. 6; v. 244; p. 248.
- Richardson, Ross T., and W. H. Thomas, Dodgeville, Wis. Fabric cuspidor. No. 1,236,361; Aug. 7; v. 241; p. 265.
- Richardson, Walter, New York, N. Y. Apparatus for applying fastenings to envelopes, &c. No. 1,239,968; Sept. 11; v. 242; p. 427.
- Richardson, Willard D., Columbus, Ohio. Wall structure. No. 1,214,826; Feb. 6; v. 235; p. 119.
- Richardson, William, Tyvan, Saskatchewan, Canada. Sheaf-loading machine. No. 1,233,809; July 17; v. 240; p. 815.
- Richardson, William A., Edwardsville, assignor to Richwin Manufacturing Company, Chicago, Ill. Clamp. No. 1,243,103; Oct. 16; v. 243; p. 595.
- Richardson, William A., Edwardsville, assignor to Richwin Manufacturing Company, Chicago, Ill. Clamp. No. 1,243,104; Oct. 16; v. 243; p. 595.
- Richardson, William A., Edwardsville, assignor to Richwin Manufacturing Company, Chicago, Ill. Clamp. No. 1,243,105; Oct. 16; v. 243; p. 596.
- Richardson, William D., assignor to Swift and Company, Chicago, Ill. Kelp-harvester. No. 1,222,324; Apr. 10; v. 237; p. 494.
- Richardson, William D., assignor to Swift and Company, Chicago, Ill. Manufacturing fertilizers. No. 1,232,452; July 3; v. 240; p. 302.
- Richardson, William E., Edwardsville, assignor to Richwin Manufacturing Company, Chicago, Ill. Clamp. No. 1,243,106; Oct. 16; v. 243; p. 596.
- Richardson, William E., Edwardsville, assignor to Richwin Manufacturing Company, Chicago, Ill. Clamp. No. 1,243,107; Oct. 16; v. 243; p. 596.
- Richardson, William E., Edwardsville, assignor to Richwin Manufacturing Company, Chicago, Ill. Clamp. No. 1,243,108; Oct. 16; v. 243; p. 596.
- Richardson, William E., Edwardsville, assignor to Richwin Manufacturing Company, Chicago, Ill. Clamp. No. 1,243,109; Oct. 16; v. 243; p. 597.
- Richardson, William S., Canton, Mass., assignor to United States Fastener Company. Snap-fastener socket. No. 1,240,878; Sept. 25; v. 242; p. 779.

Alphabetical list of patentees—Continued.

- Richens, John M., Jacksonville, Fla. Shipping-receptacle. No. 1,216,165; Feb. 13; v. 235; p. 631.
- Richer, Joseph, and C. O. Swenson, Chicago, Ill. Oil-transmission mechanism. No. 1,246,322; Nov. 13; v. 244; p. 383.
- Riches, George R., and W. C. Piver, Hoboken, N. J. Making calcium arsenate. No. 1,237,815; Aug. 21; v. 241; p. 804.
- Richman, William H., Philadelphia, Pa. Machine for cutting plastic materials. No. 1,221,594; Apr. 3; v. 237; p. 207.
- Richmond Adding and Listing Machine Company. (See Sweet, Welcome F., assignor.)
- Richmond, George E., Austin, Tex. Brick-forming machine. No. 1,233,604; July 17; v. 240; p. 752.
- Richmond, Harold A., Providence, R. I., assignor to General Abrasive Company, Niagara Falls, N. Y. Treating aluminous ores. No. 1,245,383; Nov. 6; v. 244; p. 72.
- Richmond, John, Rochester, N. Y., assignor to American Laundry Machinery Company, Cincinnati, Ohio. Motor-controlling device. No. 1,226,255; May 15; v. 238; p. 833.
- Richmond, John E., assignor to Multipost Company, Rochester, N. Y. Registering device for stamp-affixers. No. 1,212,403; Jan. 16; v. 234; p. 763.
- Richmond, John E., W. J. Balkwill, and W. F. Schweiger, assignors to Multipost Company, Rochester, N. Y. Stamp-affixer. No. 1,216,363; Feb. 20; v. 235; p. 751.
- Richmond, Julian, Yonkers, N. Y. Screw-anchor. No. 1,230,603; June 19; v. 239; p. 832.
- Richmond Radiator Company. (See Matchette and Radatz, assignors.)
- Richmond Radiator Company. (See Niemeyer, Henry C., assignor.)
- Richter, August F., Watertown, and T. L. Dunbar, Potsdam, N. Y. SO₂ gas and liquid reclaimers. No. 1,213,414; Jan. 23; v. 234; p. 1150.
- Richter, August F., and T. L. Dunbar, Watertown, N. Y. Making sulfate liquor. No. 1,213,415; Jan. 23; v. 234; p. 1150.
- Richter, Edward A., assignor to The Mathieu Corporation, Pittsburgh, Pa. Interior illumination. No. 1,249,500; Dec. 11; v. 245; p. 340.
- Richter, Henry E., Summerfield, Kans. Cream-protector. No. 1,230,785; June 19; v. 239; p. 891.
- Richter, John P., New York, N. Y. Ornamental glass. No. 1,241,767; Oct. 2; v. 243; p. 97.
- Richter, Joseph, Austin, Tex. Newspaper-holder. No. 1,227,490; May 22; v. 238; p. 1280.
- Richter, Julius M. (See Paulson and Richter.)
- Richter, Otto F., Indianapolis, Ind. Gun. No. 1,244,896; Oct. 30; v. 243; p. 1210.
- Richter, William A., New York, N. Y. Original package. No. 1,227,933; May 29; v. 238; p. 1461.
- Richwin Manufacturing Company. (See Richardson, William A., assignor.)
- Rickard, Lester J., Walla Walla, Wash. Wheel. No. 1,236,362; Aug. 7; v. 241; p. 265.
- Ricke, George E., Cincinnati, Ohio. Rail-joint. No. 1,240,092; Sept. 11; v. 242; p. 461.
- Rickenbacher, Edwin, Washington, D. C. Printing-press. No. 1,250,353; Dec. 18; v. 245; p. 629.
- Ricker Mfg. Co., The. (See Ashton, Frank R., assignor.)
- Rickert, Charles A. (See Kriesel, Gustave F., assignor.)
- Rickert-Shafer Company. (See Shafer, Arthur A., assignor.)
- Ricketson, Frank B. (See Hedler, Henry J., assignor.)
- Ricketts, James R., Long Beach, Cal. Priming means for internal-combustion engines. No. 1,221,378; Apr. 3; v. 237; p. 132.
- Ricketts, John A., Rochester, N. Y. Photographic apparatus. No. 1,250,354; Dec. 18; v. 245; p. 629.
- Rickman, Herman, Butler, N. J. Making fountain-pen barrels. No. 1,210,842; Jan. 2; v. 234; p. 159.
- Ricks, Fred, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Boot-leg-turning machine. No. 1,246,323; Nov. 13; v. 244; p. 383.
- Ricks, Fred, Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Machine for shaping the rear portions of shoe-uppers. No. 1,247,011; Nov. 20; v. 244; p. 623.
- Ricks, George A., La Fayette, Ind. Faucet. No. 1,242,864; Oct. 9; v. 243; p. 485.
- Ricks, Jesse J. (See Planck, Georges, assignor.)
- Ridall, Harry M., assignor to Gaylord Bros., Syracuse, N. Y. Book-holder. No. 1,219,777; Mar. 20; v. 236; p. 723.
- Riday, William W., Philadelphia, Pa. Apparatus for treating and finishing sized hats. No. 1,223,733; Apr. 24; v. 237; p. 1058.
- Ridd, Ambrose, assignor to The Ridd Milking Machine Company, Limited, New Plymouth, New Zealand. Milking-machine releaser. No. 1,247,329; Nov. 20; v. 244; p. 714.
- Ridd Milking Machine Company, The. (See Ridd, Ambrose, assignor.)
- Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Focusing device for cameras. No. 1,210,534; Jan. 2; v. 234; p. 54.
- Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Camera-carriage. No. 1,213,544; Jan. 23; v. 234; p. 1196.
- Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Folding-camera bed. No. 1,215,412; Feb. 13; v. 235; p. 358.
- Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic camera. No. 1,251,105; Dec. 25; v. 245; p. 901.
- Riddell, William W., Chicago, Ill. Valve. No. 1,240,879; Sept. 25; v. 242; p. 779.
- Riddle, Fred C. (See Bell, Frank B., assignor.)
- Riddle, Anna R., executrix. (See Riddle, James W.)
- Riddle, Grant, Riddle, Idaho. Cover for automobile-tires. No. 1,212,558; Jan. 16; v. 234; p. 818.
- Riddle, James W., deceased, Valley Forge, Pa.; A. P. Riddle, executrix. Traction-couch. No. 1,242,598; Oct. 9; v. 243; p. 401.
- Riddle, Zala, Dunsmuir, Cal. Watchmaker's jeweling-tool. No. 1,230,032; June 12; v. 239; p. 603.
- Rideout, William J., Freeport, Ill. Valve-lock. No. 1,245,770; Nov. 6; v. 244; p. 189.
- Rider, Herbert E., Brooklyn, assignor to L. Levien, New York, N. Y. Gas generation. No. 1,218,470; Mar. 6; v. 236; p. 201.
- Rider, Herbert E., Brooklyn, assignor, by mesne assignments, to P. T. Lehr and J. H. Murphy, New York, N. Y. Spark-plug. No. 1,249,830; Dec. 11; v. 245; p. 437.
- Rider, James T., Rienzi, Miss. Spindle-protector. No. 1,226,008; May 15; v. 238; p. 745.
- Ridgely Trimmer Company, The. (See Williams, Harry S., assignor.)
- Ridgeway, George R., Olympia, Wash. Music-case. No. 1,220,788; Mar. 27; v. 236; p. 1113.
- Ridgeway, John T., Hillsboro, Ohio. Wall construction. No. 1,232,607; July 10; v. 240; p. 388.
- Ridgway, Charles L. (See Decker, Spencer M., assignor.)
- Ridgway Dynamo & Engine Company. (See Hall, Thomas, assignor.)
- Ridgway, Joseph W., Long Island City, N. Y. Counter-balance for motor-shafts. No. 1,223,346; Apr. 17; v. 237; p. 888.
- Ridgway, Nelson P., Tacoma, Wash. Rotary hammer. No. 1,216,166; Feb. 13; v. 235; p. 631.
- Ridley, Alfred R., assignor of one-half to A. M. Graves, Astoria, Oreg. Jewelry-box. No. 1,233,605; July 17; v. 240; p. 752.
- Ridley, Grahame B., San Francisco, Cal. Motor-vehicle. No. 1,239,219; Sept. 4; v. 242; p. 160.
- Ridlon, George H., South Whitley, Ind., assignor to Grp Nut Company, Chicago, Ill. Nut-tapping machine. No. 1,217,995; Mar. 6; v. 236; p. 38.
- Riebe, Ernest, New York, N. Y. Holder for tableware. No. 1,220,559; Mar. 27; v. 236; p. 1037.
- Riebe, Ernest, New York, N. Y. Book-support. No. 1,232,089; July 3; v. 240; p. 188.
- Riebe, Theodore C. (See Rogers and Riebe.)
- Riebe, Walter C., New York, N. Y. Tire-casing. No. 1,238,715; Aug. 28; v. 241; p. 1125.
- Rieber, Frank, assignor to The Rieber Laboratories, San Francisco, Cal. Electric control system. No. 1,225,860; May 15; v. 238; p. 696.
- Rieber Laboratories, The. (See Rieber, Frank, assignor.)
- Riebsame, Edward C., assignor of one-half to L. C. Smith, Williamsport, Pa. Water-plug. No. 1,216,167; Feb. 13; v. 235; p. 632.
- Rieck, George E., Bremerton, Wash. Paint for coating metallic surfaces subject to high temperatures. No. 1,227,071; May 22; v. 238; p. 1144.
- Rieckmann, Max, Springfield, Mass. Cushion-heel for boots and shoes. No. 1,231,299; June 26; v. 239; p. 1103.
- Riecks, Otto A. W., Everett, Mass. Boat and its propeller. No. 1,223,616; Apr. 24; v. 237; p. 1016.
- Rieder, Frank, New York, N. Y. Desk-calendar. No. 1,245,384; Nov. 6; v. 244; p. 72.
- Rieder, Taimon H. (See Wiegand and Rieder.)
- Riefner, Henry L., Baltimore, Md., assignor, by mesne assignments, to Cities Illuminating Company, New York, N. Y. Mechanism for controlling valves. No. 1,231,650; July 3; v. 240; p. 37.
- Riefstahl, Ludwig, Vienna, Austria-Hungary, assignor to General Electric Company. Safety device for hoists. No. 1,216,168; Feb. 13; v. 235; p. 632.
- Rieg, Swebert B. (See Hoover, Benjamin, assignor.)
- Riegel, Hugo E., and D. F. Horning, St. Paul, Minn., assignors to The Super Gas Producer Sales Co. Hydrocarbon-generator. No. 1,214,370; Jan. 30; v. 234; p. 1509.
- Riegg, Robert C., Sacramento, Cal. Mail chute and receptacle. No. 1,227,934; May 29; v. 238; p. 1462.
- Riehl, Henry E., Brooklyn, N. Y. Amusement apparatus. No. 1,242,865; Oct. 9; v. 243; p. 485.
- Riemann, Otto. (See Fox, Joseph P., assignor.) (Reissue.)
- Riemenschneider, Nelson D., State Center, Iowa. Tank-heater. No. 1,241,555; Oct. 2; v. 243; p. 28.
- Riemer, Carl A., and B. Hendricks, New York, N. Y. Cuff-link. No. 1,226,378; May 15; v. 238; p. 873.
- Riener, Charles, Philadelphia, Pa. Operating mechanism for signals. No. 1,240,370; Sept. 18; v. 242; p. 589.
- Ries, Albert N., et al. (See Johnston, Albert F., assignor.)
- Ries, Bernard, Norfolk, Va. Bag or receptacle. No. 1,228,822; June 5; v. 239; p. 152.

Alphabetical list of patentees—Continued.

- Ries, Fred, Chicago, Ill. Phonographic stylus. No. 1,222,139; Apr. 10; v. 237; p. 429.
- Ries, Leo, et al. (See Johnston, Albert F., assignor.)
- Ries, Louis N., and R. B. Allen, Kansas City, Mo. Engine-starter for automobiles and the like. No. 1,220,362; Mar. 27; v. 236; p. 967.
- Riesenberg, Felix, assignor to M. C. Riesenberg, New York, N. Y. Self-filling fountain-pen. No. 1,249,501; Dec. 11; v. 245; p. 341.
- Riesenberg, Felix, assignor to M. C. Riesenberg, New York, N. Y. Fountain-pen filler. No. 1,251,421; Dec. 25; v. 245; p. 994.
- Riesenberg, Frank W., Chicago, Ill. Jar-opening wrench. No. 1,226,911; May 22; v. 238; p. 1087.
- Riesenberg, Maud C. (See Riesenberg, Felix, assignor.)
- Rieser, Charles, Chicago, Ill. Burglar-alarm. No. 1,226,009; May 15; v. 238; p. 746.
- Rieske, Otto G., Toronto, Ontario, Canada. Pin-feather-plucking machine. No. 1,220,458; Mar. 27; v. 236; p. 1003.
- Rieske, Otto G., Toronto, Ontario, Canada. Feather-picking machine. No. 1,230,222; June 19; v. 239; p. 705.
- Rieske, Otto G., assignor to Massey-Harris Company, Limited, Toronto, Ontario, Canada. Corn-planter. No. 1,248,717; Dec. 4; v. 244; p. 86.
- Rietz, Elmer W. (See Gold and Rietz.)
- Rietz, Erich, Elberfeld, Germany, assignor to Synthetic Patents Co. Inc., New York, N. Y. Cholic-acid formaldehyde condensation product. No. 1,213,261; Jan. 23; v. 234; p. 1097.
- Rietz, Erich, Elberfeld, Germany, assignor to Synthetic Patents Co., Inc., New York, N. Y. Pharmaceutical product. No. 1,218,209; Mar. 6; v. 236; p. 112.
- Riffe, Leander D. (See Osborne, Thomas J., assignor.)
- Rigby, Clark F., Butler, Pa. Sucker-rod joint. No. 1,250,509; Dec. 18; v. 245; p. 675.
- Rigby, George E., Manchester, England. Spring suspension for the wheels of side cars for motor-cycles. No. 1,227,317; May 22; v. 238; p. 1225.
- Rigby, Grant W., assignor to I. Weil, Pittsburgh, Pa. Briquetting-machine. No. 1,227,831; May 29; v. 238; p. 1427.
- Rigby, John H., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-building machine. No. 1,249,502; Dec. 11; v. 245; p. 341.
- Rigby, Thomas. (See Testrup and Rigby.)
- Rigby, Thomas, Dumfries, Scotland, assignor of one-half to N. Testrup, London, England. Treatment of lignite and the like. No. 1,219,155; Mar. 13; v. 236; p. 478.
- Rigby, Thomas, Dumfries, Scotland, assignor to Wetcarbonizing Limited, London, England. Peat gasification. No. 1,233,606; July 17; v. 240; p. 752.
- Rigby, Thomas, Dumfries, Scotland, assignor to Wetcarbonizing Limited, London, England. Treatment of peat. No. 1,251,285; Dec. 25; v. 245; p. 954.
- Rigby, Thomas, Dumfries, Scotland, assignor to Wetcarbonizing Limited, London, England. Treatment of peat. No. 1,251,422; Dec. 25; v. 245; p. 995.
- Rigby, Thomas, and G. W. Andrew, Dumfries, Scotland, assignors to Wetcarbonizing Limited, London, England. Working of by-product-recovery gas-producers. No. 1,239,969; Sept. 11; v. 242; p. 427.
- Rigdon, Edwin S., Berea, Ohio. Shoe-support. No. 1,221,092; Apr. 3; v. 237; p. 31.
- Rigg, Gilbert, Palmerton, Pa., assignor to New Jersey Zinc Company, New York, N. Y. Explosive shell. No. 1,235,245; July 31; v. 240; p. 1339.
- Rigg, Gilbert, Palmerton, Pa., and W. L. Coursen, New Rochelle, assignors to The New Jersey Zinc Company, New York, N. Y. Furnace. No. 1,220,789; Mar. 27; v. 236; p. 1113.
- Riggs, Alfred L., Ebensburg, Pa. Spark-plug. No. 1,247,012; Nov. 20; v. 244; p. 623.
- Riggs, Ashley M. (See Riggs, Lewis W. and A. M.)
- Riggs, Charles B., Seattle, Wash. Curtain-stretcher. No. 1,233,910; July 17; v. 240; p. 848.
- Riggs, Fred L., Macomb, Ill. Toasting device. No. 1,242,725; Oct. 9; v. 243; p. 440.
- Riggs, Henry H., Kharput, Turkey. Electric indicator. No. 1,241,151; Sept. 25; v. 242; p. 864.
- Riggs, Horace A., Indianapolis, Ind. Centrifugal self-balancing separator or clarifier. No. 1,242,866; Oct. 9; v. 243; p. 485.
- Riggs, Irene M., Astoria, Oreg. Flour and fruit sieve. No. 1,245,619; Nov. 6; v. 244; p. 145.
- Riggs, John C., Berkeley, Cal. Canopy for doors. No. 1,221,595; Apr. 3; v. 237; p. 207.
- Riggs, Lewis W. and A. M., Wheeling, W. Va. Rotary internal-combustion engine. No. 1,225,056; May 8; v. 238; p. 381.
- Right and Left Tool Holder Co., The. (See Williams, Win D., assignor.)
- Rizopoulos, James. (See Pissimis and Rigopoulos.)
- Riibikoski, Carl W., Portland, Oreg. Toilet-seat. No. 1,217,506; Feb. 27; v. 235; p. 1192.
- Rikonen, John, assignor to C. A. Erickson, Chicago, Ill. Holder and punch for price or pay checks. No. 1,248,917; Dec. 4; v. 245; p. 144.
- Riis, Marius P. P., assignor to Forest By-Products Company, Seattle, Wash. Mechanical agitator. No. 1,247,013; Nov. 20; v. 244; p. 624.
- Rike, Berton I., assignor to The Rike Folding Box Company, Dayton, Ohio. Hanger. No. 1,220,459; Mar. 27; v. 236; p. 1003.
- Rike Folding Box Company, The. (See Rike, Berton I., assignor.)
- Riker, Andrew L., Bridgeport, Conn., assignor to The "Locomobile" Company of America, New York, N. Y. Sparking device. No. 1,213,019; Jan. 16; v. 234; p. 980.
- Riker, Andrew L., Bridgeport, Conn., assignor to The "Locomobile" Company of America, New York, N. Y. Internal-combustion engine. No. 1,215,863; Feb. 13; v. 235; p. 521.
- Riker, Andrew L., Bridgeport, Conn., assignor to The "Locomobile" Company of America, New York, N. Y. Internal-combustion engine. No. 1,230,033; June 12; v. 239; p. 603.
- Riker, Andrew L., Fairfield, assignor to The Locomobile Company of America, Bridgeport, Conn. Anti-skidding device. No. 1,244,244; Oct. 23; v. 243; p. 974.
- Riker, David, Newark, N. J. Soap-dish. No. 1,227,318; May 22; v. 238; p. 1225.
- Riley, Benjamin F., Jr., Thomson, Ga. Wrap-holder. No. 1,246,785; Nov. 13; v. 244; p. 521.
- Riley, Charles E., Newton, Mass., and C. Robinson, assignors to H. & B. American Machine Company, Pawtucket, R. I. Apparatus for distributing cotton or other materials. No. 1,227,072; May 22; v. 238; p. 1144.
- Riley, Eugene, Woodriver, Ill. Foot-rest. No. 1,221,596; Apr. 3; v. 237; p. 208.
- Riley, Frank T., Tappen, N. D. Yielding joint-strip for thresholds. No. 1,210,535; Jan. 2; v. 234; p. 55.
- Riley, Fred W. (See Schnee and Riley.)
- Riley, George M., Aurora, Ill. Pneumatic transmission-operating device. No. 1,242,474; Oct. 9; v. 243; p. 360.
- Riley, George Q., Corona, Cal. Heating system. No. 1,245,028; Oct. 30; v. 243; p. 1249.
- Riley, Harry L., Atlantic City, N. J. Ice-creeper for horseshoes. No. 1,223,832; Apr. 24; v. 237; p. 1094.
- Riley, Juil, Jordan, Minn., assignor of forty-nine one-hundredths to S. Abrams, San Francisco, Cal. Bathing-cap. No. 1,221,473; Apr. 3; v. 237; p. 165.
- Riley, Leo, East Boston, Mass. Valve-lock. No. 1,236,363; Aug. 7; v. 241; p. 265.
- Riley, Lewis A., White Plains, N. Y. Superheater. No. 1,226,379; May 15; v. 238; p. 873.
- Riley, Lynn G. (See Hall and Riley.)
- Riley, Lynn G., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,233,402; July 17; v. 240; p. 683.
- Riley, Lynn G., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Motor-control system. No. 1,238,337; Aug. 28; v. 241; p. 1007.
- Riley, Lynn G., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Switching device. No. 1,244,545; Oct. 30; v. 243; p. 1104.
- Riley, Ralph J., Livermore Falls, Me. Gate-valve. No. 1,226,380; May 15; v. 238; p. 874.
- Riley, William, Henry, S. D. Wrench. No. 1,243,876; Oct. 23; v. 243; p. 865.
- Riley, William K., San Bernardino, Cal. Well-drilling machine. No. 1,245,274; Nov. 6; v. 244; p. 39.
- Rimailho, Emile, assignor to Compagnie Des Forges Et Acieries De La Marine Et D'Homecourt, Paris, France. Gun-carriage for ordnance. No. 1,225,492; May 8; v. 238; p. 529.
- Rimailho, Emile, assignor to Compagnie Des Forges Et Acieries De La Marine Et D'Homecourt, Paris, France. Semi-automatically-operated gun-breech mechanism. No. 1,232,090; July 3; v. 240; p. 188.
- Rimailho, Emile, assignor to Compagnie Des Forges Et Acieries De La Marine Et D'Homecourt, Paris, France. Multiple effect fuse for artillery-projectiles. No. 1,237,816; Aug. 21; v. 241; p. 804.
- Rimbach, Harry J., Hammond, Ind. Explosive-engine. No. 1,215,993; Feb. 13; v. 235; p. 568.
- Rimmer, Gilbert, Wigan, England, assignor to Sullivan Machinery Company, Claremont, N. H. Coal-cutting machine. No. 1,245,771; Nov. 6; v. 244; p. 190.
- Rimmer, James G., Quincy, Mass. Gear-cutting machine. No. 1,213,210; Mar. 6; v. 236; p. 112.
- Rindelhardt, Otto F., London, Ontario, Canada. Apparatus for carbonating beer, ale, and the like. No. 1,215,864; Feb. 13; v. 235; p. 521.
- Rindfleisch, Benjamin F., assignor, by mesne assignments, to The National-Acme Company, Cleveland, Ohio. Collapsible tap. No. 1,214,954; Feb. 6; v. 235; p. 165.
- Rinebold, Bert J., Kansas, Ohio. Animal-poke. No. 1,250,017; Dec. 11; v. 245; p. 490.
- Rinehart, Bentley L., Philadelphia, Pa. Rotary pump. No. 1,223,734; Apr. 24; v. 237; p. 1058.
- Rinfrett, Napoleon, Southington, assignor of one-half to A. R. Thomson, Plantsville, Conn. Antiskidding device. No. 1,217,999; Mar. 6; v. 236; p. 39.
- Ring, David S., Waltham, Mass. Making brushes. No. 1,244,132; Oct. 23; v. 243; p. 940.
- Ring, Otto F., Chicago, Ill. Rotary internal-combustion engine. No. 1,237,387; Aug. 21; v. 241; p. 668.
- Ringe, John C., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Feeding mechanism for sewing-machines. No. 1,232,091; July 3; v. 240; p. 188.

Alphabetical list of patentees—Continued.

- Ringe, John C., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Embroidering-machine. No. 1,241,022; Sept. 25; v. 242; p. 824.
- Ringenbach, Theobald, Rosedale, Ky. Machine for trimming the canvas of reinforced insoles. No. 1,216,497; Feb. 20; v. 235; p. 799.
- Ringer, Luther, assignor to The Simmen Automatic Railway Signal Company, Buffalo, N. Y. Power-transmitting mechanism. No. 1,232,608; July 10; v. 240; p. 388.
- Ringle, Robert F. (See Austin and Ringle.)
- Ringle, Robert F., assignor to Herman Pneumatic Machine Company, Zelenople, Pa. Equalizing-table. No. 1,226,256; May 15; v. 238; p. 833.
- Ringle, Thomas F., Tippecanoe, Ind. Fish-stringer. No. 1,237,817; Aug. 21; v. 241; p. 804.
- Ringler, Charles C., and J. Beerhalter, assignors of thirty-three and one-third one-hundredths to Fitger Brewing Company, Duluth, Minn. Extracting and modifying proteins or albuminous matter. No. 1,213,545; Jan. 23; v. 234; p. 1197.
- Ringler, William A., assignor to Washington Steamship Corporation, New York, N. Y. Means for controlling financial transactions. No. 1,232,844; July 10; v. 240; p. 466.
- Rings, Carl R., Mount Vernon, Wash. Computing device. No. 1,229,522; June 12; v. 239; p. 436.
- Rings, Frederick. (See Frost and Rings.)
- Ringsmith, Elijah, Morenci, Ariz. Cushion for billiard-tables. No. 1,213,950; Jan. 30; v. 234; p. 1364.
- Ringsmith, Elijah, Morenci, Ariz. Recoil-pad for gun-butts. No. 1,213,951; Jan. 30; v. 234; p. 1364.
- Ringuette, Elie, North Attleboro, Mass. Door attachment. No. 1,244,644; Oct. 30; v. 243; p. 1133.
- Riniker, Samuel D., *et al.* (See Olsen, Alfred N., assignor.)
- Rink, George W., Washington, Pa. Combined scale sheath and cleaner. No. 1,240,880; Sept. 25; v. 242; p. 780.
- Rink, George W., Jersey City, N. J., assignor to Flory Carry Iron Company, St. Louis, Mo. Draw-bar carry-iron. No. 1,228,602; June 5; v. 239; p. 78.
- Rink, Louis G., Wilmette, assignor to Sharp & Smith, Chicago, Ill. Bone-setting device. No. 1,217,637; Feb. 27; v. 235; p. 1239.
- Rink, Louis G., Wilmette, assignor to Sharp & Smith, Chicago, Ill. Electric cauterizer. No. 1,234,570; July 24; v. 240; p. 1098.
- Rinsche, Frank C., assignor to Burroughs Adding Machine Company, Detroit, Mich. Solenoid for driving adding-machines. No. 1,226,697; May 22; v. 238; p. 1014.
- Rinsche, Frank C., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,234,218; July 24; v. 240; p. 983.
- Rinsche, Frank C., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,243,763; Oct. 23; v. 243; p. 829.
- Rinsche, Frank C., assignor to Burroughs Adding Machine Company, Detroit, Mich. Adding-machine. No. 1,248,718; Dec. 4; v. 245; p. 86.
- Rios, Thomas, San Francisco, Cal. Vertical grinding-mill. No. 1,233,911; July 17; v. 240; p. 848.
- Riotte, Eugene A., Douglaston, N. Y., assignor to Standard Motor Construction Company, Jersey City, N. J. Internal-combustion engine. No. 1,245,509; Nov. 6; v. 244; p. 111.
- Riotte, Eugene A., Douglaston, N. Y., assignor to Standard Motor Construction Company, Jersey City, N. J. Internal-combustion engine. No. 1,245,510; Nov. 6; v. 244; p. 111.
- Riotte, Eugene A., Douglaston, N. Y., assignor to Standard Motor Construction Company, Jersey City, N. J. Valve for combustion-engines. No. 1,245,511; Nov. 6; v. 244; p. 112.
- Rioux, Alphonse, assignor of one-half to J. Richard, Nashua, N. H. Railway signaling system. No. 1,225,493; May 8; v. 238; p. 529.
- Rioux, William R., Montreal, Quebec, Canada. Screw-cutting die. No. 1,220,460; Mar. 27; v. 236; p. 1003.
- Ripley, James T., Southport, England. Signaling apparatus for railways. No. 1,228,968; June 5; v. 239; p. 200.
- Ripley, John W., Flushing, N. Y. Dock construction. No. 1,227,670; May 29; v. 238; p. 1371.
- Rippchen, John. (See Dicklin and Rippchen.)
- Rippe, Solomon, Little Rock, Ark. Collar-button. No. 1,218,318; Mar. 6; v. 236; p. 151.
- Ripper, Claude A., Arncliffe, near Sydney, New South Wales, Australia. Gas stove or range and attachments therefor. No. 1,210,536; Jan. 2; v. 234; p. 55.
- Rippey, T. L. (See Wright, James C., assignor.)
- Risberg, Johannes V. M., and G. W. Johansson, assignors to Aktiebolaget Baltic, Södertelje, Sweden. Yielding neck-bearing. No. 1,213,546; Jan. 23; v. 234; p. 1197.
- Risden, Homer G., and F. Seppi, Orcutt, Cal. Drain device for well-pump tubing. No. 1,213,776; Jan. 23; v. 234; p. 1273.
- Risdon, Philip J., Finsbury, London, England. Portable folding table or seat. No. 1,238,338; Aug. 28; v. 241; p. 1007.
- Risdon, Robert S., assignor of one-half to M. Lawson, San Francisco, Cal. Automatic headlight control. No. 1,225,494; May 8; v. 238; p. 529.
- Rishel, Arthur B., Goddard, Kans. Autotruck. No. 1,250,225; Dec. 18; v. 245; p. 591.
- Rishel, Julia B., administratrix. (See Rishel, Philip E.)
- Rishel, Philip E., deceased, Washington, D. C., assignor of two-fifths to S. E. Rose, U. S. Navy; J. B. Rishel, administratrix. Internal-combustion engine. No. 1,215,865; Feb. 13; v. 235; p. 522.
- Risinger, Frank V., assignor to The Block Gas Mantle Co., Youngstown, Ohio. Shock-absorber. No. 1,223,422; Apr. 24; v. 237; p. 947.
- Risinger, Frank V., assignor to The Block Gas Mantle Company, Youngstown, Ohio. Shock-absorber. No. 1,249,199; Dec. 4; v. 245; p. 222.
- Rissling, John C., Chicago, Ill. Soap-holder. No. 1,237,699; Aug. 21; v. 241; p. 769.
- Risso, Luigi, Genoa, Italy. Apparatus for walking on the water. No. 1,248,013; Nov. 27; v. 244; p. 943.
- Rist, George W., Havre, Mont. Boiler. No. 1,241,884; Oct. 2; v. 243; p. 133.
- Ristine, George W., Jr., Chicago, Ill., assignor to Pressed Steel Car Company, Pittsburgh, Pa. Discharge-door operating mechanism. No. 1,225,176; May 8; v. 238; p. 421.
- Ritchie, Alexander, Orbest, Victoria, Australia. Safety-stirrup. No. 1,250,704; Dec. 18; v. 245; p. 734.
- Ritchie, David A., assignor to Economy Advertising Company, Centralia, Ill. Advertising-machine. No. 1,232,606; July 10; v. 240; p. 387.
- Ritchie, George B., Tulsa, Okla. Extension-step for railway-cars. No. 1,250,659; Dec. 18; v. 245; p. 720.
- Ritchie, Henry. (See Roy, Régis, assignor.)
- Ritchie, John L., and G. L. Yaste, Lonaconing, Md. Combined film binder and protector. No. 1,229,139; June 5; v. 239; p. 257.
- Ritchie, John M., Wemyss, Ontario, Canada. Tree and yoke for wagons. No. 1,248,918; Dec. 4; v. 245; p. 144.
- Ritchie, William H. S., West Point, Ky. Runner for draft-tongues. No. 1,210,694; Jan. 2; v. 234; p. 110.
- Riter-Conley Manufacturing Company. (See Carpenter and Warner, assignors.)
- Riter-Conley Manufacturing Company. (See Hibbard, Robert L., assignor.)
- Rites, Francis M., deceased; C. H. G. Gallagher, executor, assignor to P. C. Rites, Ithaca, N. Y., guardian. Valve for internal-combustion engines. No. 1,214,714; Feb. 6; v. 235; p. 83.
- Rites, Perie C., guardian. (See Rites, Francis M., assignor.)
- Rittenhouse, Frank E. (See McMullin and Rittenhouse.)
- Rittenhouse, Irvin, assignor to H. F. Clark, Washington, D. C. Paper-fastener. No. 1,233,912; July 17; v. 240; p. 848.
- Rittenhouse, Irvin, assignor to H. F. Clark, Washington, D. C. Paper-fastener. No. 1,238,568; Aug. 28; v. 241; p. 1082.
- Ritter, Albert W. (See Bodmer and Ritter.)
- Ritter Dental Manufacturing Company. (See Fertig and May, assignors.)
- Ritter, Frank, deceased, Rochester, N. Y.; A. R. Shumway and L. A. Ritter, executors. Adjusting device for chair-backs. No. 1,246,659; Nov. 13; v. 244; p. 484.
- Ritter, Gilbert P. (See Bradford and Ritter.)
- Ritter, Henry, assignor to The Lunkenheimer Company, Cincinnati, Ohio. Mechanical oil-pump. No. 1,212,682; Jan. 16; v. 234; p. 865.
- Ritter, Henry J., Tippecanoe City, Ohio. Track for roll-curtains or flexible sliding doors. No. 1,251,106; Dec. 25; v. 245; p. 902.
- Ritter, Herman W., Brooklyn, N. Y., assignor to The Goodyear's Metallic Rubber Shoe Company. Covering for irregular surfaces. No. 1,211,624; Jan. 9; v. 234; p. 460.
- Ritter, Joseph, Milwaukee, Wis. Candle-holder. No. 1,229,140; June 5; v. 239; p. 257.
- Ritter, Laura A., *et al.*, executors. (See Ritter, Frank.)
- Ritter, Lawrence G., Cromwell, Ind. Pump-jack. No. 1,250,018; Dec. 11; v. 245; p. 490.
- Ritter, Mathew, Shrub Oak, N. Y. Bicycle. No. 1,220,560; Mar. 27; v. 236; p. 1037.
- Ritter, Roland H., assignor to National Metal Edge Box Company, Philadelphia, Pa. Box-staying machine. No. 1,243,877; Oct. 25; v. 243; p. 865.
- Ritterpusch, John F. (See Meyer, Frederick B., assignor.)
- Rittman, John V., Bradley, Ill. Lock. No. 1,250,019; Dec. 11; v. 245; p. 490.
- Rittmann, Oswald. (See Wagner, William H., assignor.)
- Ritz, Edward, Chicago, Ill. Dispensing device. No. 1,238,195; Aug. 28; v. 241; p. 960.
- Ritz, Emil, Jr., assignor to The Hisey-Wolf Machine Company, Cincinnati, Ohio. Electric portable grinder. No. 1,241,659; Oct. 2; v. 243; p. 61.
- Ritz, George A., Rochester, N. Y. Runner attachment. No. 1,251,423; Dec. 25; v. 245; p. 995.
- Ritz, George A., Rochester, N. Y. Settee and article-carrier. No. 1,251,424; Dec. 25; v. 245; p. 995.
- Ritz-Woller, Oliver C., Chicago, Ill. Gasolene-gage. No. 1,231,300; June 26; v. 239; p. 1103.
- Ritzert, Robert W., Dayton, Ohio. Lock. No. 1,226,257; May 15; v. 238; p. 834.
- Rivas, Edmond H. (See Damarin, William J., assignor.)
- Rivels, Samuel, Philadelphia, Pa. Ornamental buckle. No. 1,225,358; May 8; v. 238; p. 485.

- Rivera, Rubén, Sonsonate, Salvador. Hydraulic motor. No. 1,219,156; Mar. 13; v. 236; p. 479.
- Rivera, Rubén, Sonsonate, Salvador. Hydraulic motor. No. 1,233,913; July 17; v. 240; p. 849.
- Rivera, Rubén, Sonsonate, Salvador. Hydraulic motor. No. 1,233,914; July 17; v. 240; p. 849.
- Rivers, Charles A., El Paso, Tex. Automatic air device for gas-engines. No. 1,221,597; Apr. 3; v. 237; p. 208.
- Rivers, Julian H., Trenton, N. J., assignor, by mesne assignments, to Universal Fibre Company, New York, N. Y. Machine for molding and drying pulp. (Reissue.) No. 14,262; Feb. 20; v. 235; p. 1018.
- Rivers, William E., assignor to Old Bridge Enamelled Brick and Tile Company, Old-bridge, N. J. Tile-press. No. 1,219,778; Mar. 20; v. 236; p. 724.
- Rives, George H., New York, N. Y. Pedal-pad. No. 1,216,498; Feb. 20; v. 235; p. 799.
- Rives, George H., New York, N. Y. Pedal-pad. No. 1,218,319; Mar. 6; v. 236; p. 151.
- Rives, George H., New York, N. Y. Pedal-pad. No. 1,243,764; Oct. 23; v. 243; p. 829.
- Rives, George M. (See Armstrong and Rives.)
- Rives, Madeleine G., New York, N. Y. Amusement and exercising apparatus. No. 1,220,363; Mar. 27; v. 236; p. 968.
- Rivets Manufacturing Company. (See Harris and Adell, assignors.)
- Rivett, Edward, Newton, Mass. Lathe. No. 1,250,660; Dec. 18; v. 245; p. 720.
- Rivinoja, Vaino, assignor of one-fourth to A. Fri, Newell, S. D. Fence-anchor. No. 1,249,200; Dec. 4; v. 245; p. 223.
- Rivon, Louis A., Des Plaines, Ill. Switch-throwing device. No. 1,233,915; July 17; v. 240; p. 849.
- Rixson, Oscar C., New York, N. Y. Mounting for door-closers. No. 1,218,471; Mar. 6; v. 236; p. 201.
- Rixson, Oscar C., New Rochelle, N. Y. Holder for swinging closures. No. 1,221,474; Apr. 3; v. 237; p. 165.
- Rixson, Oscar C., New Rochelle, N. Y. Guide for door-hangers. No. 1,223,112; Apr. 17; v. 237; p. 810.
- Rixson, Oscar C., New Rochelle, N. Y. Friction-stay. No. 1,225,359; May 8; v. 238; p. 485.
- Rixson, Oscar C., New Rochelle, N. Y. Door-hanger guide. No. 1,234,805; July 31; v. 240; p. 1203.
- Rixson, Oscar C., New Rochelle, N. Y. Locking device for Cremona bolts. No. 1,249,831; Dec. 11; v. 245; p. 437.
- Rixton, William, Pond Eddy, N. Y. Rail-holder. No. 1,226,381; May 15; v. 238; p. 874.
- Rizer, Ralph L., Cumberland, Md. Draftsman's lamp. No. 1,247,454; Nov. 20; v. 244; p. 750.
- Rizk, Elias, Sioux City, Iowa. Hog-oiler. No. 1,241,023; Sept. 25; v. 242; p. 824.
- Rizzo, Charles, Buffalo, N. Y. Lock for doors, &c. No. 1,210,695; Jan. 2; v. 234; p. 110.
- Rizzo, Joseph, New York, N. Y. Convertible chair. No. 1,222,673; Apr. 17; v. 237; p. 660.
- Rizzo, Tony, Milwaukee, Wis. Collapsible chair. No. 1,211,355; Jan. 2; v. 234; p. 334.
- Roa, Armando, New York, N. Y. Kite. No. 1,214,592; Feb. 6; v. 235; p. 38.
- Roa, William J., assignor to American Car and Foundry Company, St. Louis, Mo. Floor and wall connection for railway-cars. No. 1,224,790; May 1; v. 238; p. 239.
- Roa, William J., assignor to American Car and Foundry Company, St. Louis, Mo. Draft-arm and sill-reinforcement. No. 1,224,791; May 1; v. 238; p. 239.
- Roa, William J., assignor to American Car and Foundry Company, St. Louis, Mo. Car-underframe. No. 1,224,792; May 1; v. 238; p. 240.
- Roach, David F., Kansas City, Mo. Combination nest-protector and trap-nest. No. 1,214,827; Feb. 6; v. 235; p. 119.
- Roach, Finis E., Chicago, Ill. Anchor for dental plates and the like. No. 1,227,073; May 22; v. 238; p. 1144.
- Roach, Harry F., St. Louis, Mo. Rail-joint. No. 1,231,791; July 3; v. 240; p. 85.
- Roades, Weslie M., Okmulgee, Okla., assignor to United Iron Works Company, Springfield, Mo. Spool-flange for bull-wheel shafts. No. 1,218,898; Mar. 13; v. 236; p. 392.
- Robarts, Percival S., Ottawa, Ontario, Canada. Match-striker. No. 1,212,810; Jan. 16; v. 234; p. 907.
- Robb, Eugene E. (See Potvin, Mary A., assignor.)
- Robb, George C. (See Wescott and Locke, assignors.)
- Robb, James T., Bay Shore, N. Y. Device for suspending light-transmitting bowls. No. 1,228,969; June 5; v. 239; p. 200.
- Robb, James T., Bay Shore, and W. E. Jerome, Rockville Center, N. Y. Hanger for light-transmitting bowls. No. 1,245,029; Oct. 30; v. 243; p. 1250.
- Robb, Robert F., Glasgow, Scotland. Artificial tooth. No. 1,240,258; Sept. 18; v. 242; p. 554.
- Robbins, Charles A., Nevada, and J. W. Jolley, Morral, Ohio. Fire-pot for stoves and furnaces. No. 1,238,942; Sept. 4; v. 242; p. 71.
- Robbins, Charles F. (See Putnam and Robbins.)
- Robbins, Crawford S., Detroit, Mich. Automatic railway-switch. No. 1,248,919; Dec. 4; v. 245; p. 144.
- Robbins, Ernest W., Township One, Franklin county, Nebr. Attachment for coupling a pump to a windmill. No. 1,223,833; Apr. 24; v. 237; p. 1094.
- Robbins, Eugene S. (See Robbins, Harry D., assignor.)
- Robbins, Fred, *et al.* (See Errett, Thomas A., assignor.)
- Robbins, Gamwell & Company. (See Abbott, Charles C., assignor.)
- Robbins, Hardy W. (See Catlin, Thomas S., assignor.)
- Robbins, Harry D., assignor of one-half to E. S. Robbins, Chicago, Ill. Vehicle-signal. No. 1,218,320; Mar. 6; v. 236; p. 151.
- Robbins, James F., Lincoln, Ill. Steam-table. No. 1,217,880; Feb. 27; v. 235; p. 1319.
- Robbins, John E., Greensburg, Ind. Hay-baler. No. 1,949,505; Dec. 11; v. 245; p. 342.
- Robbins, John H., assignor to A. D. Romans, Indianapolis, Ind. Side-filing machine and equalizer for band and other saws of like construction. No. 1,242,726; Oct. 9; v. 243; p. 440.
- Robbins, Leon C., Loveland, Colo. Advertising toy. No. 1,227,319; May 22; v. 238; p. 1225.
- Robbins, May, Newark, and H. Dressel, Kearney, N. J. Educational device for teaching arithmetic. No. 1,211,625; Jan. 9; v. 234; p. 460.
- Robbins & Myers Company, The. (See Schneider, Charles E., assignor.)
- Robbins & Myers Company, The. (See Stuart, Harve R., assignor.)
- Robbins, Simon. (See Lowenstein and Robbins.)
- Robbins, William A., Portland, Oreg. Sleeping-car. No. 1,232,720; July 10; v. 240; p. 426.
- Robbins, Willis C. (See Krug, Weis, and Robbins.)
- Robbins, Willis C., Wakefield, Mass., assignor to L. N. Littauer, Gloversville, N. Y. Ruffling mechanism for sewing-machines. No. 1,242,476; Oct. 9; v. 243; p. 360.
- Robejsek, Joseph J., St. Paul, Minn. Collapsible crate. No. 1,220,275; Mar. 27; v. 236; p. 936.
- Roberson, Charley W., Mineral Springs, Ark. Mail-transferring mechanism. No. 1,249,670; Dec. 11; v. 245; p. 389.
- Roberson, Thomas H. B., St. Louis, Mo. Radiator. No. 1,235,057; July 31; v. 240; p. 1283.
- Robert, Arthur L., and E. Menard, Springfield, Mass. Combined covering and oiler for springs. No. 1,242,044; Oct. 2; v. 243; p. 182.
- Robert, Augusta E., Oakland, Cal. Curtain-support. No. 1,230,223; June 19; v. 239; p. 706.
- Robert, Augusta E., Oakland, Cal. Curtain-support. No. 1,230,224; June 19; v. 239; p. 706.
- Robert Gair Company. (See Tinsley, Edward O., assignor.)
- Robert N. Bassett Company. (See Bailey, George, assignor.)
- Robert N. Bassett Company. (See Bradshaw, Charles E., assignor.)
- Robert N. Bassett Company. (See Russ and Stuart, assignors.)
- Robert N. Bassett Company, The. (See Stuart, Henry J., assignor.)
- Roberts, Amos E. (See Glidden, Walter, assignor.)
- Roberts, Beauregard, Mobile, Ala. Dredge. No. 1,219,869; Mar. 20; v. 236; p. 756.
- Roberts, Benjamin F. and W. A., Brazil, Ind. Gas-generator. No. 1,237,557; Aug. 21; v. 241; p. 723.
- Roberts, C. Wilson, *et al.* (See Bosnyakovits, Joseph, assignor.)
- Roberts, Charles A., Canon City, Colo. Hose-holder. No. 1,233,916; July 17; v. 240; p. 850.
- Roberts, Charles C., and J. E. Barchel, assignors to Harrison Manufacturing Company, Lockport, N. Y. Suspension for radiator-cores. No. 1,238,943; Sept. 4; v. 242; p. 71.
- Roberts, Charles D., Monroe, N. C. Nut-lock. No. 1,240,781; Sept. 18; v. 242; p. 716.
- Roberts, Charles E., Oak Park, Ill. Actuating means for operating washing-machines. No. 1,236,605; Aug. 14; v. 241; p. 377.
- Roberts, Daniel C., Trenton, N. J. Tire-mold. No. 1,233,810; July 17; v. 240; p. 815.
- Roberts, E. (See Matney, James, assignor.)
- Roberts, Edgar A., Folsom City, Cal. Almond-huller. No. 1,221,598; Apr. 3; v. 237; p. 208.
- Roberts, Edmund W., assignor, by mesne assignments, to The Roberts Motor Manufacturing Company, Sandusky, Ohio. Construction of cylinders of internal-combustion engines. No. 1,210,537; Jan. 2; v. 234; p. 55.
- Roberts, Edward E., assignor to The Johns-Pratt Company, Hartford, Conn. Inclosed-fuse element. No. 1,213,777; Jan. 23; v. 234; p. 1273.
- Roberts, Edwin H., assignor to J. H. Roberts, Denver, Colo. Signal for vehicles. No. 1,250,661; Dec. 18; v. 245; p. 720.
- Roberts, Emma. (See Engel and Roberts.)
- Roberts, Ernest J., Christchurch, New Zealand. Mounting of feed-guides of printing, lithographic, and other like machines. No. 1,231,198; June 26; v. 239; p. 1070.
- Roberts, Eugene, Salt Lake City, Utah. Meter for measuring the flow of liquids. No. 1,234,392; July 24; v. 240; p. 1040.
- Roberts, Eugene, Salt Lake City, Utah. Device for metering fluids. No. 1,247,330; Nov. 20; v. 244; p. 714.
- Roberts, Eugene, assignor to Sugar Centrifugal Discharger Company, Salt Lake City, Utah. Steam-pump. No. 1,225,274; May 8; v. 238; p. 457.

Alphabetical list of patentees—Continued.

- Roberts, Eugene, and A. H. Gibson, Lehi, assignors to Sugar Centrifugal Discharger Company, Salt Lake City, Utah. Apparatus for washing sugar. No. 1,224,095; Apr. 24; v. 237; p. 1181.
- Roberts, Flauzelle, Center, Tex. Oil-cup for wagon-wheels. No. 1,243,978; Oct. 23; v. 243; p. 894.
- Roberts, Fred T., Cleveland, Ohio. Process of and apparatus for making hollow rubber articles. No. 1,219,351; Mar. 13; v. 236; p. 545.
- Roberts, Fred T., assignor to The Paramount Rubber Company, Cleveland, Ohio. Valve-ball. No. 1,231,530; June 26; v. 239; p. 1178.
- Roberts, George H., assignor to Pitman-Moore Company, Indianapolis, Ind. Defibrinator. No. 1,224,096; Apr. 24; v. 237; p. 1182.
- Roberts, George H., assignor to Pitman-Moore Company, Indianapolis, Ind. Animal-bleeding apparatus. No. 1,226,598; May 15; v. 238; p. 942.
- Roberts, Glenn T., Herkimer, N. Y. Ticket-holder. No. 1,248,163; Nov. 27; v. 244; p. 985.
- Roberts, Harry B., Highland Park, Ill. Telephone-bracket. No. 1,224,324; May 1; v. 238; p. 76.
- Roberts, Harry B., Highland Park, Ill. Fastening device. No. 1,246,160; Nov. 13; v. 244; p. 334.
- Roberts, Henry P., Boston, Mass. Hair-drier. No. 1,236,105; Aug. 7; v. 241; p. 185.
- Roberts, Henry P., Boston, Mass. Pencil-holder. No. 1,245,972; Nov. 6; v. 244; p. 249.
- Roberts, Howard W., Philadelphia, Pa. Rubber-stamp-filling cabinet. No. 1,249,503; Dec. 11; v. 245; p. 341.
- Roberts, J. W., et al. (See Kopp, John P., assignor.)
- Roberts, James F. G., Wellington, New Zealand. Cooking apparatus. No. 1,248,428; Nov. 27; v. 244; p. 1060.
- Roberts, James H., Charleston, S. C. Combination-tool. No. 1,243,343; Oct. 16; v. 243; p. 667.
- Roberts, James M., Marion, Ky. Combination-lock. No. 1,224,569; May 1; v. 238; p. 163.
- Roberts, Jessie H. (See Roberts, Edwin H., assignor.)
- Roberts, John G., Dobbs Ferry, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Electrical controlling system. No. 1,216,844; Feb. 20; v. 235; p. 918.
- Roberts, John G., Dobbs Ferry, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Automatic call-distributing system. No. 1,218,805; Mar. 13; v. 236; p. 358.
- Roberts, John G., Dobbs Ferry, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone trunking system. No. 1,218,806; Mar. 13; v. 236; p. 359.
- Roberts, Joseph, Youngstown, Ohio. Combination hinged roof for box cars. No. 1,243,979; Oct. 23; v. 243; p. 895.
- Roberts, Lyman R., Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,214,371; Jan. 30; v. 234; p. 1510.
- Roberts, Lyman R., Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,220,561; Mar. 27; v. 236; p. 1037.
- Roberts, Lyman R., Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,220,892; Mar. 27; v. 236; p. 1149.
- Roberts, Lyman R., Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,229,183; June 5; v. 239; p. 272.
- Roberts, Lyman R., Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,230,517; June 19; v. 239; p. 803.
- Roberts, Lyman R., Rutherford, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Automatic type-writer operator. No. 1,247,151; Nov. 20; v. 244; p. 664.
- Roberts, Marshal G., Detroit, Mich. Ventilator. No. 1,241,660; Oct. 2; v. 243; p. 61.
- Roberts Motor Manufacturing Company, The. (See Roberts, Edmund W., assignor.)
- Roberts, Nathan A., Putnam, Conn. Rotary engine. No. 1,232,845; July 10; v. 240; p. 466.
- Roberts, Odin B., trustee. (See Lanning, Charles D., assignor.)
- Roberts, Owen W., Chicago, Ill. Washing-machine. No. 1,213,778; Jan. 23; v. 234; p. 1273.
- Roberts, Roscoe C., Pen Argyle, Pa. Abrading-machine. No. 1,247,152; Nov. 20; v. 244; p. 664.
- Roberts, Sherman C., Denver, Colo. Apparatus for producing animal-fodder. No. 1,247,153; Nov. 20; v. 244; p. 665.
- Roberts, Walter H., et al., executors. (See Palmer and Berry.)
- Roberts, Walter H., et al., executors. (See Palmer and Kinsley.)
- Roberts, Walter S., Liverpool, assignor to Railway Signal Company Limited, Westminster, England. Token instrument for use on single-line railways or tramways. No. 1,234,806; July 31; v. 240; p. 1204.
- Roberts, Walter V., Princeton, N. J., assignor to R. E. Hopkins, Tarrytown, N. Y. Vibrator. No. 1,243,628; Oct. 16; v. 243; p. 752.
- Roberts, Weldon, Montclair, N. J. Eraser. No. 1,243,447; Oct. 16; v. 243; p. 697.
- Roberts, William. (See Donnelly and Roberts.)
- Roberts, William, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Machine for assembling match-books, &c. No. 1,218,000; Mar. 6; v. 236; p. 39.
- Roberts, William, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Match-machine. No. 1,236,764; Aug. 14; v. 241; p. 432.
- Roberts, William A. (See Roberts, Benjamin F. and W. A.)
- Roberts, William F., San Antonio, Tex. Coin-holder and indicator for receptacles. No. 1,237,700; Aug. 21; v. 241; p. 769.
- Roberts, William H. (See McCann and Roberts.)
- Roberts, William H., Newburyport, Mass. Swimming appliance. No. 1,215,063; Feb. 6; v. 235; p. 205.
- Roberts, William M. (See McElhinny, John W., assignor.)
- Roberts, William P., Lawrenceburg, Ind. Dirigible headlight for automobiles. No. 1,236,874; Aug. 14; v. 241; p. 466.
- Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Company, Paterson, N. J. Fastening-inserting machine. No. 1,249,671; Dec. 11; v. 245; p. 389.
- Roberts, Wilson T., Columbus Grove, Ohio. Carpet-cleaning machine. No. 1,231,940; July 3; v. 240; p. 135.
- Robertson, Alexander O. (See Timpson and Robertson.)
- Robertson Brothers Manufacturing Company. (See Robertson and Hauf, assignors.)
- Robertson, Burton J., and R. Frazer, assignors to Lyle Corrugated Culvert Company, Minneapolis, Minn. Milling-machine. No. 1,237,388; Aug. 21; v. 241; p. 669.
- Robertson, Charles A. (See Hall, Ray E., assignor.)
- Robertson, Charles H. (See Ryan, Wilbur E., assignor.)
- Robertson, Frank, Dayton, Ohio. Shell. No. 1,211,626; Jan. 9; v. 234; p. 461.
- Robertson, George E., Huntington, N. Y. Means for operating ships' logs. No. 1,230,225; June 19; v. 239; p. 706.
- Robertson, George W., et al. (See Hogg, William T., assignor.)
- Robertson, James. (See Clarke and Delaney, assignors.)
- Robertson, James, Leytonstone, England. Rotary pump or blower. No. 1,211,879; Jan. 9; v. 234; p. 551.
- Robertson, James B., Bushnell, Ill. Safety-check. No. 1,221,599; Apr. 3; v. 237; p. 208.
- Robertson, James B., Bushnell, Ill. Check-book holder. No. 1,242,475; Oct. 9; v. 243; p. 360.
- Robertson, James H., New York, N. Y., assignor to Robertson Motor Fuel Process Corporation. Producing and treating hydrocarbon vapors during the distillation of the same. No. 1,238,339; Aug. 28; v. 241; p. 1008.
- Robertson, John A., assignor of one-half to W. A. Martin, Richmond, Va. Tire-gage. No. 1,218,119; Mar. 6; v. 236; p. 81.
- Robertson, John A., assignor to Eastman Kodak Company, Rochester, N. Y. Printing-frame. No. 1,237,701; Aug. 21; v. 241; p. 769.
- Robertson, John F., Bellevue, Pa. Oil-purifier. No. 1,223,423; Apr. 24; v. 237; p. 948.
- Robertson, John H., Platteville, Wis. Foot-rest. No. 1,218,120; Mar. 6; v. 236; p. 81.
- Robertson, Levi L., Madison, Minn. Windmill attachment. No. 1,224,417; May 1; v. 238; p. 110.
- Robertson, Lucius, Cincinnati, Ohio. Artificial-tooth plate. No. 1,226,382; May 15; v. 238; p. 875.
- Robertson, Mc, and L. R. Albritton, Huntington, Tex. Bridle-rod. No. 1,233,917; July 17; v. 240; p. 850.
- Robertson Motor Fuel Process Corporation. (See Robertson, James H., assignor.)
- Robertson, Osborn B., Gonzales, Tex. Gearing for gin-saw cleaners. No. 1,249,504; Dec. 11; v. 245; p. 341.
- Robertson, Osborn B., assignor to Flowers-Lynch Gin Saw Cleaner Co., Gonzales, Tex. Gearing for gin-saw cleaners. No. 1,215,413; Feb. 13; v. 235; p. 358.
- Robertson, Robert, Dunedin, New Zealand. Covered writing or drawing slate. No. 1,238,569; Aug. 28; v. 241; p. 1082.
- Robertson, Robert F., Philadelphia, Pa. Plate-remover for storage batteries. No. 1,230,786; June 19; v. 239; p. 892.
- Robertson, Robert R., La Grange, and G. F. Hauf, assignors to Robertson Brothers Manufacturing Company, Chicago, Ill. Stove. No. 1,222,325; Apr. 10; v. 237; p. 495.
- Robertson, Thorburn B., Berkeley, Cal. Growth-controlling substance derived from the anterior lobe of the pituitary gland and producing the same. No. 1,218,472; Mar. 6; v. 236; p. 201.
- Robertson, William H., Rockford, Ill. Tire-inspecting machine. No. 1,244,245; Oct. 23; v. 243; p. 974.
- Robertson, William H., Brewster, N. Y. Illuminated level. No. 1,247,154; Nov. 20; v. 244; p. 665.
- Robertson, William M., Brooklyn, N. Y. Dust-collector. No. 1,211,235; Jan. 2; v. 234; p. 296.
- Robertson, William P., New York, N. Y. Food and beverage mixing device. No. 1,228,823; June 5; v. 239; p. 152.
- Robertson, William P., assignor to Borden's Condensed Milk Company, New York, N. Y. Food and beverage mixer. No. 1,227,671; May 29; v. 238; p. 1372.
- Robertson, William P., assignor to W. H. Johnston, New York, N. Y. Food and beverage mixer. No. 1,227,935; May 29; v. 238; p. 1462.

- Robeson, Jacob S., Au Sable Forks, N. Y., assignor to Robeson Process Company, Camden, N. J. Road-making. No. 1,236,875; Aug. 14; v. 241; p. 466.
- Robeson Process Company. (See Hurt, Henry H., assignor.)
- Robeson Process Company. (See Puring, John, assignor.)
- Robeson Process Company. (See Robeson, Jacob S., assignor.)
- Robeson Process Company. (See Woddrop, Lemuel H., assignor.)
- Robeson, William B. (See Treadgold, George H., assignor.)
- Robeson, William B., Port Huron, Mich. Adaptable or convertible cover or tarpaulin. No. 1,238,340; Aug. 28; v. 241; p. 1008.
- Robey, Dudley H., Indianapolis, Ind. Internal-combustion engine. No. 1,233,918; July 17; v. 240; p. 851.
- Robideau, Eli, Malone, N. Y. Extension-back for vehicle-seats. No. 1,234,571; July 24; v. 240; p. 1098.
- Robinet, William P., and J. A. Gullede, Malden, Mo. Camera attachment. No. 1,225,495; May 8; v. 238; p. 530.
- Robins, Thomas, assignor to Supremus Manufacturing Company, New York, N. Y. Illuminable pad-holder. No. 1,211,759; Jan. 9; v. 234; p. 506.
- Robinson, Albert E. (See Herrmann and Robinson.)
- Robinson, Albert E. (See Lawson and Robinson.)
- Robinson, Alden C., Aberdeen, Wash. Combined curtain and shade bracket. No. 1,228,137; May 29; v. 238; p. 1529.
- Robinson, Arthur C., East Weymouth, Mass. Filter. No. 1,212,404; Jan. 16; v. 234; p. 763.
- Robinson, Charles A. (See Riley and Robinson.)
- Robinson, Charles A., Oklahoma, Okla. Machine for treating lumber. No. 1,237,558; Aug. 21; v. 241; p. 723.
- Robinson, Charles F., San Francisco, Cal. Machine for the manufacture of high-speed friction-saws. No. 1,228,050; May 29; v. 238; p. 1502.
- Robinson, Charles W., Battle Creek, Mich. Garden-tool. No. 1,224,957; May 8; v. 238; p. 347.
- Robinson, Charles W., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Corporation. Grain-binder. No. 1,211,627; Jan. 9; v. 234; p. 461.
- Robinson, Charles W., Hamilton, Ontario, Canada, assignor to International Harvester Corporation. Variable-speed mechanism for grain-drills and the like. No. 1,218,807; Mar. 13; v. 236; p. 359.
- Robinson, Charles W., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Corporation. Fertilizer-distributor. No. 1,231,199; June 26; v. 239; p. 1071.
- Robinson, Charles W., and E. Baseman, Hamilton, Ontario, Canada, assignors, by mesne assignments, to International Harvester Corporation. Lever-control system. No. 1,250,355; Dec. 18; v. 245; p. 630.
- Robinson, Clark, and H. Person, Hillyard, assignors to Duplex Shock-Absorber Co., Spokane, Wash. Spring suspension. No. 1,217,111; Feb. 20; v. 235; p. 1009.
- Robinson, Cyrus, Mount Vernon, N. Y., assignor to Metallurgical Engineering & Process Corporation. Dehydrator. No. 1,227,491; May 22; v. 238; p. 1281.
- Robinson, D. Russell, assignor of one-third to E. Jarl, Osceola, Iowa. Transmission apparatus. No. 1,212,683; Jan. 16; v. 234; p. 865.
- Robinson, Daniel P. (See Taliaferro, Robinson, and Coyle.)
- Robinson, David M., Greenville, Tex. Spading-machine. No. 1,238,341; Aug. 28; v. 241; p. 1008.
- Robinson, Dighton A., Seattle, Wash. Tunneling-machine. No. 1,212,107; Jan. 9; v. 234; p. 627.
- Robinson, Edison C., Telluride, Colo. Ore-classifier. No. 1,223,523; Apr. 24; v. 237; p. 984.
- Robinson, Edward A. (See Starr, Oliver F., assignor.)
- Robinson, Edward E., Belleville, N. J., assignor to Hanlon & Goodman Co., New York, N. Y. Manufacture of brushes. No. 1,230,518; June 19; v. 239; p. 803.
- Robinson, Edward W., Savannah, Ga. Stave-jointing machine. No. 1,237,098; Aug. 14; v. 241; p. 539.
- Robinson, Edwin L., Providence, R. I., assignor of one-half to J. A. Steinmetz, Philadelphia, Pa. Projectile. No. 1,247,331; Nov. 20; v. 244; p. 714.
- Robinson, Eugene M., Chicago, Ill. Switch-stand. No. 1,218,956; Mar. 13; v. 236; p. 410.
- Robinson, Everett E., Grundy Center, Iowa. Clothes-line support. No. 1,242,867; Oct. 9; v. 243; p. 486.
- Robinson, Frank, Chicago, Ill. Spark-plug. No. 1,242,375; Oct. 9; v. 243; p. 328.
- Robinson, Frank A., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,213,416; Jan. 23; v. 234; p. 1151.
- Robinson, Frank A., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,250,356; Dec. 18; v. 245; p. 630.
- Robinson, Frank W., assignor to Noide & Horst Company, Reading, Pa. High-splicing mechanism for circular-knitting machines. No. 1,214,828; Feb. 6; v. 235; p. 119.
- Robinson, George A. (See Doble and Robinson.)
- Robinson, George N. (See Brackett, George C., assignor.)
- Robinson, George O., Brooklyn, assignor to Hall-Borchert Dress Form Company, New York, N. Y. Dress-form attachment. No. 1,235,925; Aug. 7; v. 241; p. 130.
- Robinson, Harry B., Muskegon, Mich. Hose-coupling. No. 1,236,364; Aug. 7; v. 241; p. 265.
- Robinson, James, Barnham, England. Spring suspension for vehicles. No. 1,234,490; July 24; v. 240; p. 1073.
- Robinson, Jesse T. (See Bartlett and Robinson.)
- Robinson, Jesse T., Montgomery, Ala., assignor to Cigar Vender Sales Company, Pensacola, Fla. Cigar-vending machine. No. 1,247,576; Nov. 20; v. 244; p. 784.
- Robinson, Jesse T., Montgomery, assignor of one-half to W. H. Willson, Birmingham, Ala. Variable-speed transmission. No. 1,249,201; Dec. 4; v. 245; p. 223.
- Robinson, John G., Manchester, England. Relief-valve for steam-superheaters. No. 1,217,504; Feb. 27; v. 235; p. 1191.
- Robinson, John V., Richmond, Va. Method and apparatus for twisting sausages. No. 1,234,491; July 24; v. 240; p. 1073.
- Robinson, Joseph V., Chevy Chase, Md. Automatic train-pipe connector. No. 1,212,559; Jan. 16; v. 234; p. 819.
- Robinson, Joseph V., Chevy Chase, Md. Automatic train-pipe connector. No. 1,212,560; Jan. 16; v. 234; p. 819.
- Robinson, Joseph V., Chevy Chase, Md. Automatic train-pipe connector. No. 1,212,686; Jan. 16; v. 234; p. 866.
- Robinson, Joseph V., Chevy Chase, Md. Automatic train-pipe connector. No. 1,212,687; Jan. 16; v. 234; p. 866.
- Robinson, Joseph V., Chevy Chase, Md. Pipe-coupling. No. 1,216,609; Feb. 20; v. 235; p. 840.
- Robinson, Joseph V., Chevy Chase, Md. Pipe-coupling. No. 1,217,505; Feb. 27; v. 235; p. 1192.
- Robinson, Joseph V., Chevy Chase, Md. Automatic train-pipe connector. No. 1,245,781; Nov. 6; v. 244; p. 193.
- Robinson, Joseph V., Chevy Chase, Md. Automatic train-pipe coupling. No. 1,245,782; Nov. 6; v. 244; p. 193.
- Robinson, Joseph V., Chevy Chase, Md. Automatic train-pipe connector. No. 1,245,784; Nov. 6; v. 244; p. 194.
- Robinson, Joseph V., Chevy Chase, Md. Automatic train-pipe connector. No. 1,245,786; Nov. 6; v. 244; p. 195.
- Robinson, Joseph V., Chevy Chase, Md. Automatic train-pipe connector. No. 1,245,791; Nov. 6; v. 244; p. 197.
- Robinson, Joseph V., Chevy Chase, Md. Automatic train-pipe connector. No. 1,245,793; Nov. 6; v. 244; p. 198.
- Robinson, Joseph V., Chevy Chase, Md. Automatic train-pipe coupling. No. 1,245,794; Nov. 6; v. 244; p. 198.
- Robinson, Joseph V., Chevy Chase, Md. Automatic train-pipe connector. No. 1,245,799; Nov. 6; v. 244; p. 200.
- Robinson, Joseph V., New Haven, Conn. Automatic train-pipe coupling. No. 1,212,684; Jan. 16; v. 234; p. 865.
- Robinson, Joseph V., Washington, D. C. Flexible metal tubing. No. 1,212,685; Jan. 16; v. 234; p. 866.
- Robinson, Joseph V., Washington, D. C. Automatic train-pipe coupling. No. 1,245,780; Nov. 6; v. 244; p. 193.
- Robinson, Joseph V., Branford, Conn. Automatic train-pipe coupling. No. 1,245,772; Nov. 6; v. 244; p. 190.
- Robinson, Joseph V., Branford, Conn. Train-pipe connector. No. 1,245,773; Nov. 6; v. 244; p. 190.
- Robinson, Joseph V., Branford, Conn. Automatic interlocking train-pipe coupling. No. 1,245,774; Nov. 6; v. 244; p. 191.
- Robinson, Joseph V., Branford, Conn. Automatic train-pipe connector. No. 1,245,775; Nov. 6; v. 244; p. 191.
- Robinson, Joseph V., Branford, Conn. Automatic train-pipe connector. No. 1,245,776; Nov. 6; v. 244; p. 191.
- Robinson, Joseph V., Branford, Conn. Automatic train-pipe connector. No. 1,245,777; Nov. 6; v. 244; p. 192.
- Robinson, Joseph V., Branford, Conn. Automatic train-pipe coupling. No. 1,245,778; Nov. 6; v. 244; p. 192.
- Robinson, Joseph V., Branford, Conn. Automatic train-pipe coupling. No. 1,245,779; Nov. 6; v. 244; p. 193.
- Robinson, Joseph V., Branford, Conn. Automatic train-pipe connector. No. 1,245,783; Nov. 6; v. 244; p. 194.
- Robinson, Joseph V., Branford, Conn. Automatic train-pipe connector. No. 1,245,785; Nov. 6; v. 244; p. 195.
- Robinson, Joseph V., Branford, Conn. Automatic train-pipe connector. No. 1,245,787; Nov. 6; v. 244; p. 195.
- Robinson, Joseph V., Branford, Conn. Automatic train-pipe connector. No. 1,245,788; Nov. 6; v. 244; p. 196.
- Robinson, Joseph V., Branford, Conn. Automatic train-pipe connector. No. 1,245,789; Nov. 6; v. 244; p. 196.
- Robinson, Joseph V., Branford, Conn. Automatic train-pipe connector. No. 1,245,790; Nov. 6; v. 244; p. 196.
- Robinson, Joseph V., Branford, Conn. Automatic train-pipe connector. No. 1,245,792; Nov. 6; v. 244; p. 197.
- Robinson, Joseph V., Branford, Conn. Automatic train-pipe connector. No. 1,245,795; Nov. 6; v. 244; p. 198.
- Robinson, Joseph V., Branford, Conn. Automatic alining device for the car-couplings of railway-cars. No. 1,245,796; Nov. 6; v. 244; p. 198.
- Robinson, Joseph V., Branford, Conn. Automatic train-pipe coupling. No. 1,245,797; Nov. 6; v. 244; p. 199.
- Robinson, Joseph V., Branford, Conn. Automatic train-pipe coupling. No. 1,245,798; Nov. 6; v. 244; p. 199.
- Robinson, Joseph V., Branford, Conn. Automatic train-pipe connector. No. 1,245,800; Nov. 6; v. 244; p. 200.
- Robinson, Laura V., Baltimore, Md. Scraping device. No. 1,224,793; May 1; v. 238; p. 240.
- Robinson, Leo S., Alameda, Cal. Segregating units. No. 1,223,113; Apr. 17; v. 237; p. 810.
- Robinson, Leo S., Alameda, Cal. Segregation system. No. 1,235,502; July 31; v. 240; p. 1415.

Alphabetical list of patentees—Continued.

- Robinson, Leslie H. and M. H., London, England. Releasing-hook mechanism. No. 1,246,468; Nov. 13; v. 244; p. 428.
- Robinson, Lewis T., Schenectady, N. Y., assignor to General Electric Company. Demand apparatus. No. 1,227,320; May 22; v. 238; p. 1226.
- Robinson, Major J., Long Beach, Cal. Buckle. No. 1,232,978; July 10; v. 240; p. 510.
- Robinson, Mark E., *et al.* (See Stone, Oscar O., assignor.)
- Robinson, Mark H. (See Robinson, Leslie H. and M. H.)
- Robinson, Martin, Campbell Hill, Ill. Water-heater. No. 1,246,161; Nov. 13; v. 244; p. 334.
- Robinson, Morris. (See Morton and Robinson.)
- Robinson, Olinthus B., Denton, Tex. Detergent device. No. 1,225,496; May 8; v. 238; p. 530.
- Robinson, Van King, Gatun, Canal Zone. Water-heater. No. 1,212,108; Jan. 9; v. 234; p. 627.
- Robinson, Wallace W., Portland, Me. Tire-deflation signal. No. 1,235,727; Aug. 7; v. 241; p. 63.
- Robinson, Walter D., Mamaroneck, N. Y. Plant-support. No. 1,244,897; Oct. 30; v. 243; p. 1210.
- Robinson, William, West Lynn, Mass. X-ray tube. No. 1,226,383; May 15; v. 238; p. 875.
- Robinson, William A. (See Smith and Robinson.)
- Robinson, William A., New York, N. Y. Railway-switch operator. No. 1,229,141; June 5; v. 239; p. 257.
- Robinson, William C., Grinnell, Iowa. Aeroplane-rib. No. 1,214,955; Feb. 6; v. 235; p. 166.
- Robinson, William C., Grinnell, Iowa. Aeroplane-fuselage structure. No. 1,222,140; Apr. 10; v. 237; p. 429.
- Robinson, William C., Grinnell, Iowa. Landing-chassis for aeroplanes. No. 1,240,371; Sept. 18; v. 242; p. 589.
- Robinson, William J., Denver, Colo. Tire. No. 1,250,510; Dec. 18; v. 245; p. 675.
- Robinson, William P., and W. C. Nash, Miami, Fla. Floor-scraper burnisher. No. 1,220,003; Mar. 20; v. 236; p. 802.
- Robinson, William V., Lansing, Mich. Stove. No. 1,211,236; Jan. 2; v. 234; p. 296.
- Robinson, Zephaniah. (See Kearby and Robinson.)
- Robison, Charles E., and M. Askin, Philadelphia, Pa. Automobile-alarm. No. 1,230,787; June 19; v. 239; p. 892.
- Robison, Charles W., Crafton, Pa. Receptacle. No. 1,228,824; June 5; v. 239; p. 153.
- Robison, Joseph A., assignor of one-half to J. F. Hammett, Little Rock, Ark. Spring attachment device. No. 1,222,032; Apr. 10; v. 237; p. 392.
- Robison, Manville F., Bar View, Oreg. Box. No. 1,224,794; May 1; v. 238; p. 240.
- Robson, John, assignor to The Variable Speed Gear Limited, Westminster, London, England. Power-transmission gear. No. 1,243,223; Oct. 16; v. 243; p. 631.
- Robson, John, Westminster, assignor to The Variable Speed Gear Limited, London, England. Power-transmission gear. No. 1,243,677; Oct. 16; v. 243; p. 767.
- Robson, John J., St. Louis, Mo. Piston-valve. No. 1,249,506; Dec. 11; v. 245; p. 342.
- Roby, James J., Cleveland, Ohio. Means for supporting the roofs of mine-entries. No. 1,229,323; June 12; v. 239; p. 369.
- Robt. H. Ingersoll & Bro. (See Eberhard and Maloney, assignors.)
- Rocheau, Albert D., Fairfax, Okla. Camera. No. 1,228,051; May 29; v. 238; p. 1502.
- Roche, James. (See McLean and Roche.)
- Roche, Wesley C., Beverly, assignor to The Turner Tanning Machinery Company, Peabody, Mass. Leather-working machine. No. 1,215,866; Feb. 13; v. 235; p. 522.
- Roche, William J., assignor to The Spirella Company, Meadville, Pa. Garment-stay. No. 1,212,811; Jan. 16; v. 234; p. 907.
- Roche, William J., assignor to The Spirella Company, Meadville, Pa. Garment-stay. No. 1,212,812; Jan. 16; v. 234; p. 908.
- Roche, William J., assignor to The Spirella Company, Meadville, Pa. Garment-stay. No. 1,213,952; Jan. 30; v. 234; p. 1364.
- Roche, William J., assignor to The Spirella Company, Meadville, Pa. Garment-stay. No. 1,213,953; Jan. 30; v. 234; p. 1365.
- Roche, William J., Cochran, Pa., assignor to A. Kimball Company, New York, N. Y. Pin price-ticket. No. 1,250,662; Dec. 18; v. 245; p. 720.
- Rochester, James K., Renfrew, Ontario, Canada. Swing-gate hinge. No. 1,216,169; Feb. 13; v. 235; p. 633.
- Rochfort, Alexander E., Oakland, Cal. Insect-killer. No. 1,228,701; June 5; v. 239; p. 111.
- Rock, Alfred, Wilkinsonville, Mass. Loom shuttle-threading eye. No. 1,236,106; Aug. 7; v. 241; p. 186.
- Rock Hill Buggy Company, The. (See Anglada, Joseph A., assignor.)
- Rock, James, and G. Sinković, New York, N. Y. Telephone attachment. No. 1,236,876; Aug. 14; v. 241; p. 466.
- Rockford Tool Company. (See Ekstrom, Gustaf H., assignor.)
- Rockford Tool Company. (See Sundstrand, Gustaf D., assignor.)
- Rockman, Soren C., Philadelphia, Pa. Combined coal and gas range. No. 1,244,246; Oct. 23; v. 243; p. 975.
- Rockwell, Albert F., assignor to The New Departure Manufacturing Company, Bristol, Conn. Alarm-bell. No. 1,226,010; May 15; v. 238; p. 746.
- Rockwell, Albert F., and V. W. Page, assignors to The New Departure Manufacturing Company, New Bristol, Conn. Bell. No. 1,237,818; Aug. 21; v. 241; p. 805.
- Rockwell, Byrd C., Camden, Ark. Joint for end-matching lumber. No. 1,212,262; Jan. 16; v. 234; p. 714.
- Rockwell, Byrd C., Camden, Ark. Wall-closure construction. No. 1,249,204; Dec. 4; v. 245; p. 224.
- Rockwell, Horace L., Chicago, Ill., assignor to International Harvester Company of New Jersey. Shocking-machine. No. 1,211,880; Jan. 9; v. 234; p. 551.
- Rockwell, Walter S., assignor to W. S. Rockwell Company, New York, N. Y. Gate for air-blasts. No. 1,211,237; Jan. 2; v. 234; p. 297.
- Rockwell, Walter S., assignor to W. S. Rockwell Company, New York, N. Y. Frictionally-held blast-gate. No. 1,211,371; Jan. 2; v. 234; p. 339.
- Rockwell, Walter S., assignor to W. S. Rockwell Company, New York, N. Y. Furnace chill and floor-pipe. No. 1,227,672; May 29; v. 238; p. 1372.
- Rockwell, Walter S., assignor to W. S. Rockwell Company, New York, N. Y. Furnace-shield. No. 1,245,030; Oct. 30; v. 243; p. 1250.
- Rockwell, William D., Detroit, Mich. Fuel-reserve tank. No. 1,248,403; Nov. 27; v. 244; p. 1052.
- Rockwood Sprinkler Company of Massachusetts. (See Carlson, Hjalmar G., assignor.)
- Rodal, Augusto, Habana, Cuba. Toothpick-holder. No. 1,243,344; Oct. 16; v. 243; p. 667.
- Rodd, George S., Houghton, Mich. Steering-wheel indicator. No. 1,217,105; Feb. 20; v. 235; p. 1006.
- Rodd, George S., Houghton, Mich. Swing. No. 1,247,577; Nov. 20; v. 244; p. 784.
- Roddy, Edward, New York, N. Y. Surgical appliance. No. 1,243,629; Oct. 16; v. 243; p. 752.
- Rodebaugh, Ernest M., Long Bottom, Ohio. Carbide-feed for acetylene-generators. No. 1,221,475; Apr. 3; v. 237; p. 166.
- Rodecker, William P., Leslie, Ark. Hoisting machinery. No. 1,238,570; Aug. 28; v. 241; p. 1082.
- Rodefer, Bert A., assignor of one-half to J. W. Murphy, Astoria, Oreg. Dirigible automatic headlight. No. 1,222,141; Apr. 10; v. 237; p. 429.
- Rodermik, Henry F., assignor to Henry Likly & Company, Rochester, N. Y. Pocket for trunks. No. 1,244,898; Oct. 30; v. 243; p. 1211.
- Roden, Ephraim H., Chicago, Ill. Calendar. No. 1,239,220; Sept. 4; v. 242; p. 160.
- Rodenbaugh, Charles, Pittsburgh, Pa. Truss. No. 1,225,177; May 8; v. 238; p. 421.
- Roderick, Charles, and T. L. Knapp, Woodstock, assignors to The Oliver Typewriter Company, Chicago, Ill. Means for securing type-writers to base-boards. No. 1,225,057; May 8; v. 238; p. 381.
- Roderick Lean Manufacturing Company. (See Warne, Frederick C., assignor.)
- Rodger Ballast Car Company. (See Dorey, George B., assignor.)
- Rodger Ballast Car Company. (See Neikirk, John O., assignor.)
- Rodger Ballast Car Company. (See Yost, Winfield H., assignor.)
- Rodgers, Charles B., Bordentown, N. J. Liquid dynamic balancing-machine. No. 1,243,345; Oct. 16; v. 243; p. 667.
- Rodgers, Charles L., Newton, Kans. Fuel-heating device for internal-combustion engines. No. 1,240,372; Sept. 18; v. 242; p. 589.
- Rodgers, Charles W., East Bridgewater, Mass. Apparatus for molding concrete. No. 1,220,461; Mar. 27; v. 236; p. 1004.
- Rodgers, David, assignor to Skinner & Eddy Corporation, Seattle, Wash. Portable milling-machine. No. 1,249,672; Dec. 11; v. 245; p. 390.
- Rodgers, Harry H., Paterson, N. J. Controlling-lever-locking means for warping-machines. No. 1,248,920; Dec. 4; v. 245; p. 144.
- Rodgers, Henrietta, Chicago, Ill. Sanitary head-protector. No. 1,251,107; Dec. 25; v. 245; p. 902.
- Rodgers, John W., Warrenton, N. C. Box. No. 1,247,332; Nov. 20; v. 244; p. 714.
- Rodier, Harold B., assignor of one-fourth to I. N. Boernstein, one-fourth to P. Koester, and one-fourth to R. B. Gotta, Washington, D. C. Telephone-punch ejector. No. 1,227,936; May 29; v. 238; p. 1463.
- Rodman Chemical Co., The. (See Rodman, Hugh, assignor.)
- Rodman, Hugh, Edgewood, Pa., assignor to The Rodman Chemical Co. Agglomerating finely-divided material. No. 1,239,221; Sept. 4; v. 242; p. 161.
- Rodman, Thomas H., New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller for power-operated devices. No. 1,251,286; Dec. 25; v. 245; p. 955.
- Rodman, William B., *et al.* (See Ferguson, Baltuce W., assignor.)
- Rodney, Mathew, Greene, Iowa. Stock-waterer. No. 1,246,786; Nov. 13; v. 244; p. 521.
- Rodolf, Fred W., assignor to The Addachine Manufacturing Company, Portland, Oreg. Adding and subtracting machine. No. 1,243,224; Oct. 16; v. 243; p. 631.
- Rodrigue, Antone J., Princeton, Cal. Hay-press. No. 1,221,220; Apr. 3; v. 237; p. 78.

- Rodriguez, Henry A., Wood Brook, Port of Spain, Trinidad, British West Indies. Garter. No. 1,227,199; May 22; v. 238; p. 1186.
- Rodwell, George H., assignor to The U. S. Safety Egg Carrier Co. Inc., Newark, N. Y. Apparatus and process for making pulp articles. No. 1,218,001; Mar. 6; v. 236; p. 39.
- Rodwick, Ernest C., Santa Barbara, Cal. Wind-motor. No. 1,212,109; Jan. 9; v. 234; p. 628.
- Rodzikevitch, Nikolaj F., Farrell, Pa. Anti-aircraft bomb or shell. No. 1,225,497; May 8; v. 238; p. 530.
- Rodzikevitch, Nikolaj F., Farrell, Pa. Torpedo-guard for war-ships. No. 1,225,498; May 8; v. 238; p. 530.
- Roe, Allott V., Manchester, England. Belt-support for aviators. No. 1,239,041; Sept. 4; v. 242; p. 102.
- Roe, Allott V., Manchester, England. Turnbuckle. No. 1,243,225; Oct. 16; v. 243; p. 632.
- Roe, Ernest S. (See Greenleaf and Roe.)
- Roe, Charles O., assignor to Roe and Harmon Novelty Company, Indianapolis, Ind. Combined pan lifter and drainer. No. 1,219,779; Mar. 20; v. 236; p. 724.
- Roe and Harmon Novelty Company. (See Roe, Charles O., assignor.)
- Roe, William H., Govans, Md. Corn-harvester. No. 1,222,890; Apr. 17; v. 237; p. 734.
- Roebber, Joseph C., New York, N. Y. Automobile-signal. No. 1,241,444; Sept. 25; v. 242; p. 956.
- Roebuck, Alvah C., assignor to Woodstock Typewriter Company, Woodstock, Ill. Type-bar segment. No. 1,217,639; Feb. 27; v. 235; p. 1240.
- Roebuck, Alvah C., assignor to Woodstock Typewriter Company, Woodstock, Ill. Link connection. No. 1,217,640; Feb. 27; v. 235; p. 1240.
- Roebuck, Alvah C., assignor to Woodstock Typewriter Company, Woodstock, Ill. Type-writer ribbon-vibrator. No. 1,222,326; Apr. 10; v. 237; p. 495.
- Roebuck, Alvah C., assignor to Woodstock Typewriter Company, Woodstock, Ill. Ribbon-vibrator. No. 1,222,327; Apr. 10; v. 237; p. 496.
- Roebuck, Alvah C., assignor to Woodstock Typewriter Company, Woodstock, Ill. Type-writer margin-release. No. 1,222,328; Apr. 10; v. 237; p. 496.
- Roebuck, Alvah C., assignor to Woodstock Typewriter Company, Woodstock, Ill. Type-writer ribbon-vibrator. No. 1,222,329; Apr. 10; v. 237; p. 496.
- Roebuck, Alvah C., Park Ridge, assignor to Woodstock Typewriter Company, Woodstock, Ill. Type-writer line-finder. No. 1,237,819; Aug. 21; v. 241; p. 805.
- Roebuck, Alvah C., assignor to Woodstock Typewriter Company, Woodstock, Ill. Line-space mechanism. No. 1,243,110; Oct. 16; v. 243; p. 597.
- Roebuck, Alvah C., assignor to Woodstock Typewriter Company, Woodstock, Ill. Type-writer. No. 1,250,226; Dec. 18; v. 245; p. 591.
- Roebuck, Alvah C., assignor to Woodstock Typewriter Company, Woodstock, Ill. Eraser-holder. No. 1,250,227; Dec. 18; v. 245; p. 592.
- Roebuck, Alvah C., and A. J. Pruszyński, assignors to Woodstock Typewriter Company, Woodstock, Ill. Type-writer back-spacing mechanism. No. 1,214,715; Feb. 6; v. 235; p. 83.
- Roebuck, Alvah C., and A. J. Pruszyński, assignors to Woodstock Typewriter Company, Woodstock, Ill. Paper-edge guide. No. 1,217,638; Feb. 27; v. 235; p. 1240.
- Roebuck, Alvah C., and A. J. Steinke, assignors to Woodstock Typewriter Company, Woodstock, Ill. Type-bar-rebound spring. No. 1,215,706; Feb. 13; v. 235; p. 467.
- Roedding, Edward B. (See Roedding, Gordon E. and E. B.)
- Roedding, Gordon E. and E. B., Detroit, Mich. Signal-lamp. No. 1,248,719; Dec. 4; v. 245; p. 87.
- Roedelheim, Alfred M., Philadelphia, Pa. Stocking. No. 1,238,196; Aug. 28; v. 241; p. 960.
- Roeder, Charles, New York, N. Y. Tiling construction. No. 1,241,885; Oct. 2; v. 243; p. 134.
- Roeder, George. (See Strang, Henrik C., assignor.)
- Roeder, Josephine S., Brooklyn, N. Y. Duster. No. 1,248,164; Nov. 27; v. 244; p. 986.
- Roeder, Peter, Brooklyn, N. Y. Protective burglary-alarm for buildings, &c. No. 1,238,823; Sept. 4; v. 242; p. 33.
- Roeding, George C., Fresno, Cal. Raisin-drying process. No. 1,245,031; Oct. 30; v. 243; p. 1250.
- Roefs, Anton J., assignor to U. S. Wind Engine & Pump Co., Batavia, Ill. Drip connection for fire-cocks, hydrants, and the like. No. 1,216,499; Feb. 20; v. 235; p. 800.
- Roeh, John, assignor to Crystallized Milk Company, Spokane, Wash. Drying milk. No. 1,235,161; July 31; v. 240; p. 1313.
- Roehm, John G., Jr., Oneida, N. Y. Closure for milk and cream bottles or jars. No. 1,242,045; Oct. 2; v. 243; p. 182.
- Roehm, Richard, Newark, N. J., assignor to The Whitehead & Hoag Company. Advertising-sign. No. 1,227,074; May 22; v. 238; p. 1145.
- Roehrich, Frank N. (See Yanss, Jacob, assignor.)
- Roehrich, Frank N., Jersey City, N. J., assignor to G. P. Carroll, Bridgeport, Conn. Check-valve mechanism. No. 1,217,106; Feb. 20; v. 235; p. 1006.
- Roehrich, Frank N., Jersey City, N. J., assignor to G. B. French, New York, N. Y. Adjustable closure for window or other openings or passages. No. 1,229,523; June 12; v. 239; p. 437.
- Roehrich, Rudolph, New York, N. Y. Internal-combustion engine. No. 1,211,965; Jan. 9; v. 234; p. 583.
- Roelofson, Richard W., Galt, Ontario, Canada. Screw-cutting die. No. 1,224,795; May 1; v. 238; p. 241.
- Roemisch, Henry A., Blackfoot, Idaho. Tatting-shuttle. No. 1,224,958; May 8; v. 238; p. 347.
- Roepke, William J., assignor to C. B. McCoy, Los Angeles, Cal. Key-block demountable truck-tire. No. 1,246,324; Nov. 13; v. 244; p. 384.
- Roesel, Frederick V. (See Gilmore and Roesel.)
- Roesen, Oscar, assignor to R. Hoe and Co., New York, N. Y. Plate-stop. No. 1,233,403; July 17; v. 240; p. 684.
- Roeske, William A., McKee City, N. J. Level. No. 1,213,020; Jan. 16; v. 234; p. 980.
- Roessler & Hasslacher Chemical Co. (See Abegg, Fritz, assignor.)
- Roessler & Hasslacher Chemical Co., The. (See Anders, Hanns R., assignor.)
- Roessler & Hasslacher Chemical Co., The. (See Crewson, George G., assignor.)
- Roessler & Hasslacher Chemical Co., The. (See Foersterling and Philipp, assignors.)
- Roessler & Hasslacher Chemical Co., The. (See Foersterling, Sargent, and Kaufmann, assignors.)
- Roessler & Hasslacher Chemical Co., The. (See Foersterling, Philipp and Sargent, assignors.)
- Roessler & Hasslacher Chemical Co., The. (See Halvorsen, Arthur L., assignor.)
- Roessler & Hasslacher Chemical Co., The. (See Kaufmann, Friedrich A., assignor.)
- Roessler & Hasslacher Chemical Company, The. (See Lacy, Burritt S., assignor.)
- Roessler & Hasslacher Chemical Co., The. (See Liebknecht, Otto, assignor.)
- Roessler and Hasslacher Chemical Company. (See Liebknecht and Schaidhauf, assignors.)
- Roessler & Hasslacher Chemical Co., The. (See McNitt, Robert J., assignor.)
- Roessler & Hasslacher Chemical Co., The. (See Philipp, Herbert, assignor.)
- Roessler & Hasslacher Chemical Company, The. (See Sargent, Ralph N., assignor.)
- Roessler & Hasslacher Chemical Company. (See Schaidhauf, Alois, assignor.)
- Roessler & Hasslacher Chemical Co., The. (See Weber, Friedrich W., assignor.)
- Roetker, Frank J., Moffat, Colo. Pencil-top. No. 1,211,356; Jan. 2; v. 234; p. 334.
- Roever, Julius, assignor to Roever Patent Company, New York, N. Y. Multiple-horn phonograph. No. 1,216,500; Feb. 20; v. 235; p. 800.
- Roever, Julius, assignor to Roever Patent Company, New York, N. Y. Divided-horn phonograph. No. 1,216,501; Feb. 20; v. 235; p. 801.
- Roever Patent Company. (See Roever, Julius, assignor.)
- Roffy, Joseph T., Pittsburgh, Pa. Illuminating apparatus. No. 1,245,512; Nov. 6; v. 244; p. 112.
- Rogalske, August C., Los Angeles, Cal. Concrete construction. No. 1,233,508; July 17; v. 240; p. 718.
- Rogalske, August C., Los Angeles, Cal. Core-mold. No. 1,233,509; July 17; v. 240; p. 718.
- Rogalski, Frank, Detroit, Mich. Envelop. No. 1,221,907; Apr. 10; v. 237; p. 349.
- Rogalski, Frank, Detroit, Mich. Automatic air-pump. No. 1,233,704; July 17; v. 240; p. 732.
- Rogan, Daniel B., New Orleans, La. Clarification of cane-juice. No. 1,233,919; July 17; v. 240; p. 851.
- Rogan, Patrick J., Ilion, assignor to T. E. McGoldrick and R. Murphy, Herkimer, N. Y. Scaffold-bracket. No. 1,219,870; Mar. 20; v. 236; p. 756.
- Röger, Karl, Berlin, Germany, assignor to Mergenthaler Linotype Company. Typographical composing and distributing machine. No. 1,212,561; Jan. 16; v. 234; p. 820.
- Roger, Peter, Milford, Mass. Cumulative artillery-projectile. No. 1,216,364; Feb. 20; v. 235; p. 751.
- Roger, Peter, Milford, Mass. Menstrual bandage or catamenial sack. No. 1,233,811; July 17; v. 240; p. 815.
- Rogers, Ada L., Memphis, Tenn. Picture-frame attachment. No. 1,242,868; Oct. 9; v. 243; p. 486.
- Rogers, Alfred, Milton, Mass. Faucet-housing. No. 1,221,093; Apr. 3; v. 237; p. 31.
- Rogers, Allen, Brooklyn, N. Y. Ink and making the same. No. 1,224,668; May 1; v. 238; p. 197.
- Rogers, Arthur H., Springfield, Mass. Rubber stamp of the band type. No. 1,247,014; Nov. 20; v. 244; p. 624.
- Rogers Bros. Co. (See Rogers, Charles A., assignor.)
- Rogers, Charles A., assignor to Rogers Bros. Co., Albion, Pa. Automobile-trailer. No. 1,228,138; May 29; v. 238; p. 1530.
- Rogers, Charles E., Detroit, Mich. Desiccating apparatus. No. 1,226,011; May 15; v. 238; p. 746.
- Rogers, Charles E., Detroit, Mich. Means for and method of desiccating fluids. No. 1,243,878; Oct. 23; v. 243; p. 866.
- Rogers, Charles T., and W. J. Bennett, Newton, Ala. Peanut-harvester. No. 1,251,425; Dec. 25; v. 245; p. 996.
- Rogers, Charles W., Exeter, N. H. Insulator. No. 1,214,956; Feb. 6; v. 235; p. 166.
- Rogers, Clarence E., Oakland, Cal., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,216,365; Feb. 20; v. 235; p. 752.

Alphabetical list of patentees—Continued.

- Rogers, Clarence T., New York, assignor to E. Bommer, Brooklyn, N. Y. Door-check. No. 1,226,258; May 15; v. 238; p. 834.
- Rogers, D. Barle. (See Grunz, Ernest, assignor.)
- Rogers, Edmund, assignor of one-half to T. J. Martin, Chicago, Ill. Time-calling device for telephones. No. 1,244,081; Oct. 23; v. 243; p. 925.
- Rogers, Edward, *et al.* (See Slawter, Ira L., assignor.)
- Rogers, Edward, Rosedale, assignor of one-half to W. A. Courtland, Brooklyn, N. Y. Phonograph. No. 1,243,980; Oct. 23; v. 243; p. 895.
- Rogers, Edward J. (See Westerfield and Rogers.)
- Rogers, Edwin A., Brunswick, Me. Apparatus for applying powdered material to plants, &c. No. 1,239,042; Sept. 4; v. 242; p. 103.
- Rogers, Edwin W., and T. C. Riebe, assignors to Rogers Motor Lock Company, Chicago, Ill. Locking-valve. No. 1,238,944; Sept. 4; v. 242; p. 71.
- Rogers, Edwin W., and T. C. Riebe, assignors to Rogers Motor Lock Company, Chicago, Ill. Automobile-lock. No. 1,238,945; Sept. 4; v. 242; p. 72.
- Rogers, Ernest, New Lexington, Ohio. Liquid coating composition. No. 1,244,777; Oct. 30; v. 243; p. 1174.
- Rogers, Ernest B., Seattle, Wash. Pole-driver-hammer suspension. No. 1,222,891; Apr. 17; v. 237; p. 734.
- Rogers, Francis, Galveston, Tex. Collapsible rim. No. 1,220,004; Mar. 20; v. 236; p. 802.
- Rogers, Frank, Orange, N. J., and B. E. Taylor, New York, N. Y. Box-loading machine. No. 1,247,722; Nov. 27; v. 244; p. 860.
- Rogers, George D., Gloucester, Mass. Preserving flesh. No. 1,249,205; Dec. 4; v. 245; p. 224.
- Rogers, George W., *et al.* (See Marquis, Alexander G., assignor.)
- Rogers, Harrison W., assignor, by mesne assignments, to E. & E. Singing Picture Co., Wheeling, W. Va. Synchronizing mechanism for motion-picture and sound-reproducing means. No. 1,251,287; Dec. 25; v. 245; p. 955.
- Rogers, Harry B., London, England. Life-saving belt. No. 1,236,365; Aug. 7; v. 241; p. 265.
- Rogers, Henry G., Au Sable Forks, N. Y. Machine for converting pulp into sheets. No. 1,223,905; Apr. 24; v. 237; p. 1119.
- Rogers, Henry I., Fort Fairfield, Me. Attachment for ash-pits. No. 1,219,157; Mar. 13; v. 236; p. 479.
- Rogers, Howard A., assignor of one-half to S. Shields, Atlanta, Ga. Oven attachment. No. 1,230,926; June 26; v. 239; p. 976.
- Rogers, Hugh, assignor to Hauser Printing Company, Incorporated, New Orleans, La. Car-record sheet. No. 1,247,881; Nov. 27; v. 244; p. 906.
- Rogers, James C., Birmingham, Ala. Garter. No. 1,228,139; May 29; v. 238; p. 1530.
- Rogers, James E., Kelly, Colo. Vehicle-wheel. No. 1,245,513; Nov. 6; v. 244; p. 112.
- Rogers, James H. and H. H. Lyon, Hyattsville, Md. Wireless signaling system. No. 1,220,005; Mar. 20; v. 236; p. 802.
- Rogers, John F., New York, N. Y. Fuel-tank gage. No. 1,225,178; May 8; v. 238; p. 421.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,212,562; Jan. 16; v. 234; p. 820.
- Rogers, John R., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,231,941; July 3; v. 240; p. 135.
- Rogers, John R., Brooklyn, N. Y. Internal-combustion engine. No. 1,239,523; Sept. 11; v. 242; p. 284.
- Rogers, Lee R., Chicago, Ill., assignor to Underwood Type-writer Company, New York, N. Y. Stenciling-machine. No. 1,237,820; Aug. 21; v. 241; p. 806.
- Rogers, Leo L., Boston, Mass., assignor to E. C. Moore, New York, N. Y. Garter. No. 1,222,467; Apr. 10; v. 237; p. 546.
- Rogers, Leyland. (See Londress and Rogers.)
- Rogers Motor Lock Company. (See Rogers and Riebe, assignors.)
- Rogers, Orlin R., Columbia, Mo. Apparatus for recording the approximate duration of rainfall. No. 1,236,381; Aug. 7; v. 241; p. 270.
- Rogers, Ovid H., Sacramento, Cal. Universal drive for motor-vehicle wheels. No. 1,244,778; Oct. 30; v. 243; p. 1174.
- Rogers, Perley F., Bartlett, N. H. Lubricating grease-cup. No. 1,242,477; Oct. 9; v. 243; p. 361.
- Rogers, Ralph F., Chicago, Ill. Motor-cycle side-car frame. No. 1,247,333; Nov. 20; v. 244; p. 715.
- Rogers, Robert H., Schenectady, N. Y., assignor to General Electric Company. Dumping apparatus for cars. No. 1,237,099; Aug. 14; v. 241; p. 539.
- Rogers, Robert W., Worcester, Mass. Water-heater. No. 1,242,241; Oct. 9; v. 243; p. 286.
- Rogers, Rochester H. (See Dee, David G., assignor.)
- Rogers, Rochester H. (See Erickson, John, assignor.)
- Rogers, Roy R., San Francisco, Cal. Liquid-dispenser. No. 1,251,288; Dec. 25; v. 245; p. 956.
- Rogers, Stephen G., assignor of one-half to R. E. Bills, Parkersburg, W. Va. Horseshoe. No. 1,245,032; Oct. 30; v. 243; p. 1250.
- Rogers, Victor B. (See Winston and Rogers.)
- Rogers, Walter C., Kilkenny, Minn. Smoking-pipe. No. 1,213,021; Jan. 16; v. 234; p. 981.
- Rogers, William H., Brooklyn, N. Y. Base-ball game. No. 1,242,046; Oct. 2; v. 243; p. 183.
- Rogers, William R., Newark, N. J., assignor to W. Raubitschek, New York, N. Y. Sewing-machine. No. 1,239,825; Sept. 11; v. 242; p. 382.
- Rogers, William R., Newark, N. J., assignor to W. Raubitschek, Brooklyn, N. Y. Machine to sew seams with gaps. No. 1,240,259; Sept. 18; v. 242; p. 554.
- Rogers, William R., Newark, N. J., assignor to W. Raubitschek, Brooklyn, N. Y. Vibratory needle mechanism. No. 1,250,511; Dec. 18; v. 245; p. 676.
- Roggasch, Auguste, administratrix. (See Roggasch, Charles.)
- Roggasch, Charles, deceased, Ainsworth, Nebr.; A. Roggasch, administratrix. Vehicle. No. 1,216,246; Feb. 13; v. 235; p. 659.
- Roggi, Viola V. (See Weidemann, Theodore R., assignor.)
- Roginski, John S., Boston, Mass. Receptacle for cigar-ashes. No. 1,213,262; Jan. 23; v. 234; p. 1097.
- Rogister, Joseph, Providence, R. I. Power-transmitting and speed-regulating means. No. 1,212,110; Jan. 9; v. 234; p. 628.
- Roglie, Severin J., Minot, N. D. Grease-gun. No. 1,233,510; July 17; v. 240; p. 719.
- Rozza, Sava, Paris, France. Cartridge. No. 1,246,660; Nov. 13; v. 244; p. 435.
- Rogstad, Severin, North Bend, Oreg. Trousers-stretcher. No. 1,250,020; Dec. 11; v. 245; p. 490.
- Rohan, Patrick J., *et al.* (See Fulbright, Thomas M., assignor.)
- Rohan, Will. (See Pingel, Will G., assignor.)
- Rohmer, Martin A., Florence, Nebr. Rotary engine. No. 1,250,663; Dec. 18; v. 245; p. 721.
- Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Operating mechanism for car-doors. No. 1,224,796; May 1; v. 238; p. 241.
- Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Dumping-car-door-operating mechanism. No. 1,224,797; May 1; v. 238; p. 241.
- Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Car-door-locking means. No. 1,244,779; Oct. 30; v. 243; p. 1175.
- Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Car-underframe. No. 1,244,780; Oct. 30; v. 243; p. 1175.
- Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Antifriction side bearing. No. 1,244,781; Oct. 30; v. 243; p. 1175.
- Rohlfing, John M., assignor to American Car and Foundry Company, St. Louis, Mo. Side bearing with contact-shoe. No. 1,244,782; Oct. 30; v. 243; p. 1176.
- Rohlin, Karl W., Philadelphia, Pa. Volumetric meter. No. 1,242,869; Oct. 9; v. 243; p. 486.
- Rohmer, Gabriel E., Elmhurst, N. Y., assignor to Booraem & Rohmer Patent Company. Cable-clamp. No. 1,246,325; Nov. 13; v. 244; p. 384.
- Rohn, William M., Detroit, Mich. Explosion-engine piston and piston-ring. No. 1,232,846; July 10; v. 240; p. 466.
- Rohne, Even J., Minneapolis, Minn. Sad-iron support. No. 1,213,263; Jan. 23; v. 234; p. 1097.
- Rohne, Even J., Minneapolis, Minn. Electric heater for steering-wheels. No. 1,230,788; June 19; v. 239; p. 892.
- Rohr, William H., Portland, Me. Carburetor. No. 1,232,847; July 10; v. 240; p. 467.
- Rohrer, William L. (See Butcher, James M., assignor.)
- Rohrheimer, Joseph, Shamokin, Pa. Nut-lock. No. 1,219,780; Mar. 20; v. 236; p. 724.
- Rokosz, Stanley, Hazleton, Pa. Curtain-stretcher. No. 1,232,979; July 10; v. 240; p. 510.
- Roland, Fred B., and C. D. Chandler, Portland, Oreg. Vehicle-fender. No. 1,212,813; Jan. 16; v. 234; p. 908.
- Rolfe, Ianthas J., Springville, Utah. Reversing mechanism for display apparatus. No. 1,233,920; July 17; v. 240; p. 851.
- Rolfe & Maddock. (See Dudley, John H. M., assignor.)
- Roll, Frank H., Buffalo, N. Y. Signaling mechanism for motor-cars, &c. No. 1,225,058; May 8; v. 238; p. 381.
- Roller Lock Nut Company. (See Wegener, Arnold H., assignor.) (Reissue.)
- Rollett, Adolf. (See Klatte and Rollett.)
- Rollings, Ernest J., Philadelphia, Pa. Boring-machine. No. 1,230,034; June 12; v. 239; p. 604.
- Rollins, George E., Brockton, Mass. Plug for rubber treads. No. 1,217,881; Feb. 27; v. 235; p. 1320.
- Rollins, George L., Bridgewater, assignor to W. H. McElwain Company, Boston, Mass. Machine for applying reinforcement to insoles. No. 1,210,696; Jan. 2; v. 234; p. 110.
- Rollins, Marshall C., Watertown, Mass. Adjustable pattern. No. 1,236,107; Aug. 7; v. 241; p. 186.
- Rollinson, Earl H., Lyons Farms, N. J. Electrical timing device. No. 1,231,200; June 26; v. 239; p. 1071.
- Rollman, Bruce B. (See Synck and Rollman.)
- Rollman, Michael A., and C. J. Schiemer, Mount Joy, Pa. Cherry-stoner. No. 1,220,364; Mar. 27; v. 236; p. 968.
- Rolls Royce Limited. (See Royce, Frederick H., assignor.)
- Rolph, Benjamin M., Dixon, Ill. Tiling curb. No. 1,223,735; Apr. 24; v. 237; p. 1059.
- Rolph, Benjamin M., Dixon, Ill. Ditching-machine. No. 1,241,661; Oct. 2; v. 243; p. 62.
- Rolph, Verne M., Magnolia, Minn. Guard for wind-shields. No. 1,223,205; Apr. 17; v. 237; p. 842.

- Roma, Charles, Memphis, Tenn. Indicator-alarm. No. 1,217,882; Feb. 27; v. 235; p. 1320.
- Romack, William J., Freedom, Pa. Hanger for swings. No. 1,228,825; June 5; v. 239; p. 154.
- Romain, Burchard P., South Orange, assignor to Weston Electrical Instrument Company, Newark, N. J. Ohmmeter. No. 1,215,867; Feb. 13; v. 235; p. 523.
- Romain, Burchard P., South Orange, assignor to Weston Electrical Instrument Company, Newark, N. J. Capacity-meter. No. 1,217,827; Feb. 27; v. 235; p. 1303.
- Romain, Friedrich, Marias, Mont. Resilient wheel. No. 1,212,263; Jan. 16; v. 234; p. 714.
- Romaine, W. Tyson. (See Ellinger, Julian O., assignor.)
- Roman, Benjamin. (See Hottzman, John, assignor.)
- Romans, Albert D. (See Robbins, John H., assignor.)
- Rombacher Hüttenwerke. (See Bronn, Jeger I., assignor.)
- Romberger, Floyd T., Elizabethville, Pa. Apparatus for supplying water-vapor to the cylinders of an internal-combustion engine. No. 1,214,372; Jan. 30; v. 234; p. 1510.
- Rome Merchant Iron Mill. (See Jenkins, Weston, assignor.)
- Rome, Sullivan, and J. Iarussi, Hudson, Ohio. Rail-joint. No. 1,227,832; May 29; v. 238; p. 1427.
- Rome-Turney Radiator Co. (See Turney, George W., assignor.)
- Romeiser, William B. (See Gale and Romeiser.)
- Römer, Adolf, Stuttgart, assignor to Deutsch-Koloniale Gerb- & Farbstoff-Gesellschaft m. b. H., Karlsruhe, Germany. Manufacture of products adapted to precipitate glue or like substances. No. 1,222,033; Apr. 10; v. 237; p. 392.
- Romer, Jacob D., Mount Vernon, N. Y. Combined back collar-button and necktie-holder. No. 1,230,519; June 19; v. 239; p. 804.
- Rommerdale, Holger. (See Armstrong and Rommerdale.)
- Rompf, George R., Somanauk, Ill. Automobile-locking device. No. 1,219,488; Mar. 20; v. 236; p. 622.
- Rona, Arnold G., New York, N. Y. Toilet-paper. No. 1,231,429; June 26; v. 239; p. 1147.
- Rona, Arnold G., and A. Herfurth, New York, N. Y. Article of manufacture suitable for use as a packing or filling for boxes. No. 1,212,688; Jan. 16; v. 234; p. 867.
- Ronald, James T., Seattle, Wash. Wheel-rim. No. 1,228,970; June 5; v. 239; p. 201.
- Ronald, James T., Seattle, Wash. Wheel-rim. No. 1,233,705; July 17; v. 240; p. 782.
- Ronan, John T. (See Tallmage, Millard S., assignor.)
- Ronayne, Michael, New York, N. Y. Light-shade. No. 1,220,562; Mar. 27; v. 236; p. 1038.
- Ronconi, Domenico, Chicago, Ill. Valve mechanism. No. 1,241,662; Oct. 2; v. 243; p. 62.
- Ronconi, Domenico, Chicago, Ill. Self-grinding rotary valve. No. 1,241,663; Oct. 2; v. 243; p. 62.
- Ronda, Stanley T., Toledo, Ohio. Clothes-rack. No. 1,238,824; Sept. 4; v. 242; p. 33.
- Roney, William B., assignor to M. E. Smith and Company, Omaha, Nebr. Convertible collar. No. 1,213,954; Jan. 30; v. 234; p. 1365.
- Ronk, Frank C., Canton, Ohio. Gage-glass. No. 1,250,664; Dec. 18; v. 245; p. 721.
- Ronning, Victor C., Utica, N. Y. Etching device. No. 1,243,630; Oct. 16; v. 243; p. 752.
- Rontke, Albert, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Sewing-machine. No. 1,236,765; Aug. 14; v. 241; p. 433.
- Rontke, Albert, Bridgeport, Conn., assignor to The Singer Manufacturing Company. Feeding mechanism for sewing-machines. No. 1,238,197; Aug. 28; v. 241; p. 960.
- Rood, Edward J., Webster City, Iowa. Feeding device. No. 1,249,832; Dec. 11; v. 245; p. 438.
- Rood, Fletcher C., Portland, Oreg. Rotary pump. No. 1,240,489; Sept. 18; v. 242; p. 626.
- Roof, Charles R., Los Angeles, Cal., assignor to Standard Nut Manufacturing Co., Dover, Del. Nut-making machine. No. 1,212,689; Jan. 16; v. 234; p. 867.
- Rook, James H. (See Spinner and Perry, assignors.)
- Rook, William H., Jr., assignor to The American Sewer Pipe Company, Akron, Ohio. Sewer-pipe section for sewer-building. No. 1,219,663; Mar. 20; v. 236; p. 685.
- Rookledge, Percival L., Hollister, Cal. Vehicle-spring. No. 1,212,690; Jan. 16; v. 234; p. 867.
- Rooney, Elwin H., Whitinsville, Mass. Carding-machine. No. 1,249,833; Dec. 11; v. 245; p. 438.
- Rooney, John W., Heriot, New Zealand. Protector for motor-car tires. No. 1,231,430; June 26; v. 239; p. 1148.
- Roope, Fenley H., Lynn, and J. H. Reed, Swampscott, Mass. Portière-traversing mechanism. No. 1,217,883; Feb. 27; v. 235; p. 1320.
- Roos, Bert, Idaho Falls, Idaho. Sheep-shears holder and controller. No. 1,221,379; Apr. 3; v. 237; p. 133.
- Roos, William A., New York, N. Y. Foot scraper and cleaner for automobile running-boards. No. 1,212,111; Jan. 9; v. 234; p. 629.
- Roosa, Frank A., Waterloo, Iowa. Concrete-mixer. No. 1,245,973; Nov. 6; v. 244; p. 249.
- Roose, John E. (See Blumgren and Roose.)
- Roosevelt, André, assignor to Glass Founders Corporation, New York, N. Y. Non-scatterable glass and making it. No. 1,210,987; Jan. 2; v. 234; p. 210.
- Roost, Richard, assignor to Huebsch Manufacturing Company, Milwaukee, Wis. Clamp for stocking-ironers. No. 1,243,346; Oct. 16; v. 243; p. 668.
- Root, Charles F., Ravenna, assignor of one-fourth to B. O. Conn, Mansfield, Ohio. Combined safety and throw-off mechanism. No. 1,221,476; Apr. 3; v. 237; p. 166.
- Root, Charles F., assignor of one-fourth to B. O. Conn, Mansfield, Ohio. Combined safety and throw-off mechanism. No. 1,226,259; May 15; v. 238; p. 835.
- Root, Charles F., assignor of one-fourth to B. O. Conn, Mansfield, Ohio. Combined safety and throw-off mechanism. No. 1,226,260; May 15; v. 238; p. 835.
- Root, Dewitt T., Farmdale, Ohio. Acetylene-gas generator. No. 1,237,702; Aug. 21; v. 241; p. 770.
- Root, Francis S., Springfield, Mass. Invalid-lifting device. No. 1,239,524; Sept. 11; v. 242; p. 284.
- Root, Frank C., Detroit, Mich. Combined food-cooking utensil and tea-kettle. No. 1,214,716; Feb. 6; v. 235; p. 84.
- Root, John R., Terre Haute, Ind. Brickmaking-machine. No. 1,213,473; Mar. 6; v. 236; p. 202.
- Root, Lura A., Bloomfield, Conn. Perpetual calendar. No. 1,236,108; Aug. 7; v. 241; p. 186.
- Root, Wallace F., Cuyahoga Falls, Ohio. Railway-tie. No. 1,245,974; Nov. 6; v. 244; p. 249.
- Roper, Francis W. (See Prim and Roper.)
- Roper, William. (See Renton, Henry N., assignor.)
- Roper, William, Philadelphia, Pa. Power-transmission mechanism. No. 1,213,418; Jan. 23; v. 234; p. 1151.
- Roper, William, Philadelphia, Pa. Metallic sash-joint. No. 1,242,242; Oct. 9; v. 243; p. 286.
- Roper, William, assignor of one-half to H. N. Renton, Philadelphia, Pa. Metal sash-joint. No. 1,213,417; Jan. 23; v. 234; p. 1151.
- Ropes, Leverett S., Helena, Mont. Mortar ball-mill. No. 1,213,264; Jan. 23; v. 234; p. 1097.
- Ropp, John W., Cross Hill, S. C. Seed-feeding mechanism. No. 1,243,631; Oct. 16; v. 243; p. 752.
- Roquemore, Abb L., and O. M. Fallwell, Palestine, Tex. Internal-combustion engine. No. 1,212,691; Jan. 16; v. 234; p. 868.
- Rosa, Gennaro, Brooklyn, N. Y. Time-controlled stove. No. 1,233,511; July 17; v. 240; p. 719.
- Rosat, Charles, Boudry, Switzerland. Apparatus for polishing the pivots of escapements and other clock-wheels. No. 1,235,503; July 31; v. 240; p. 1416.
- Rosback, Frederick P., Benton Harbor, Mich. Permutation-lock. No. 1,239,222; Sept. 4; v. 242; p. 161.
- Rosche, Frank, Seattle, Wash. Stump-burner. No. 1,245,385; Nov. 6; v. 244; p. 72.
- Roscoe, John R., Fort Dodge, Iowa. Coal-chute and window-guard. No. 1,230,076; June 12; v. 239; p. 618.
- Rose, Burl V., Ridgeway, Ohio. Lubricator. No. 1,246,469; Nov. 13; v. 244; p. 428.
- Rose, Edward, Stapleton, N. Y. Attachment for beds. No. 1,219,158; Mar. 13; v. 236; p. 479.
- Rose, Edward E., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Liquid-sealed valve. No. 1,215,579; Feb. 13; v. 235; p. 420.
- Rose, Edward E., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Valve. No. 1,215,580; Feb. 13; v. 235; p. 421.
- Rose, Edward E., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Valve. No. 1,223,736; Apr. 24; v. 237; p. 1059.
- Rose, Edward E., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Barrier-seal. No. 1,246,470; Nov. 13; v. 244; p. 423.
- Rose, Edward E., Swissvale, and O. A. Colby, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Electrical connector. No. 1,241,556; Oct. 2; v. 243; p. 29.
- Rose, Elias B., Minneapolis, Minn. Air-gage for tires. No. 1,210,538; Jan. 2; v. 234; p. 56.
- Rose, Forba H., Red Oak, Iowa. Bundle loading and conveying machine. No. 1,219,489; Mar. 20; v. 236; p. 622.
- Rose, George F., New York, N. Y. Frame construction for type-writers. No. 1,219,159; Mar. 13; v. 236; p. 480.
- Rose, Gustaf E., E. P. Bradstrum, and O. U. Grant, Sparta, Mich. Furnace. No. 1,219,664; Mar. 20; v. 236; p. 685.
- Rose, Harry E., Spokane, Wash. Propelling device. No. 1,230,789; June 19; v. 239; p. 893.
- Rose, Jacob B., assignor to The Marvel Accessories Manufacturing Company, Cleveland, Ohio. Vulcanizer. No. 1,230,789; June 19; v. 239; p. 893.
- Rose, Jacob B., assignor to The Marvel Accessories Manufacturing Company, Cleveland, Ohio. Valve-grinding tool. No. 1,250,512; Dec. 18; v. 245; p. 676.
- Rose, James R., Edgeworth, Pa. Manufacturing combustible fluid. No. 1,230,226; June 19; v. 239; p. 707.
- Rose, James R., Edgeworth, Pa. Apparatus for cutting metal. No. 1,233,706; July 17; v. 240; p. 783.
- Rose, James R., Edgeworth, Pa. Cutting metal. No. 1,242,243; Oct. 9; v. 243; p. 286.
- Rose, John H., Leadville, Colo. Antiskidding device for vehicle-wheels. No. 1,236,109; Aug. 7; v. 241; p. 187.
- Rose Label Machine Company. (See Rosenthal, Arthur, assignor.)
- Rose Label Machine Co., The. (See Rosenthal, Arthur and M., assignors.)

- Rose Patch and Label Co., The. (See Meyer, Max, assignor.)
- Rose Patch and Label Company. (See Chatfield, Franklin, assignor.)
- Rose Patch & Label Company. (See Petrocchi, Michael, assignor.)
- Rose, Paul, Berlin, Germany, assignor to General Electric Company. Regulator for dynamo-electric machines. No. 1,227,321; May 22; v. 238; p. 1226.
- Rose, Robert W., Marblehead, Mass. Dumping-vehicle hoist. No. 1,226,384; May 15; v. 238; p. 875.
- Rose, Solon E. (See Rishel, Philip E., assignor.)
- Rose, William, Gainsborough, England. Apparatus for making paper bags or like receptacles. No. 1,220,276; Mar. 27; v. 236; p. 936.
- Rose, William, Gainsborough, England. Filling apparatus. No. 1,223,293; Apr. 17; v. 237; p. 868.
- Roseberry, Robert E., Baltimore, Md. Portable machine for reboring engine-cylinders. No. 1,210,843; Jan. 2; v. 234; p. 159.
- Rosebrook, Lucius R., assignor to two-thirds to M. M. Rosebrook, Oskaloosa, and one-third to P. Newerf, Ottumwa, Iowa. Railway-track scale. No. 1,233,281; July 10; v. 240; p. 606.
- Rosebrook, Mary M., *et al.* (See Rosebrook, Lucius R., assignor.)
- Rosen, Louis, Jacksonville, Fla. Sign-holder. No. 1,222,468; Apr. 10; v. 237; p. 546.
- Rosen, Max, Philadelphia, Pa. Sanitary water-closet seat. No. 1,215,197; Feb. 6; v. 235; p. 249.
- Rosenu, Frederick J., Philadelphia, Pa. Apparatus for use with hemming attachments for sewing-machines. No. 1,249,508; Dec. 11; v. 245; p. 343.
- Rosenband Manufacturing Co. (See Widlak, Ludwig, assignor.)
- Rosenbaum, Edward, New York, N. Y. Protector for magazines and the like. No. 1,231,942; July 3; v. 240; p. 136.
- Rosenbaum, Edward, New York, N. Y. Protector for magazines and the like. No. 1,249,507; Dec. 11; v. 245; p. 343.
- Rosenbaum, Harry, New York, N. Y. Portable work-bench. No. 1,216,610; Feb. 20; v. 235; p. 840.
- Rosenbaum, Hellmuth, Brooklyn, N. Y. Driving mechanism for talking-machines. No. 1,231,431; June 26; v. 239; p. 1148.
- Rosenbaum, Hellmuth, assignor to E. H. Allen, Brooklyn, N. Y. Speed-regulating device. No. 1,232,848; July 10; v. 240; p. 467.
- Rosenbaum, Rudolph R., Chicago, Ill. Apparatus for dephlegmation. No. 1,222,801; Apr. 17; v. 237; p. 703.
- Rosenbaum, William A., trustee. (See Marrye, Clifford P., assignor.)
- Rosenberg, Edward, Brooklyn, N. Y. Lock for pockets. No. 1,230,520; June 19; v. 239; p. 804.
- Rosenberg, Emanuel, Altrincham, England, assignor to Westinghouse Electric and Manufacturing Company. Variable-speed electric motor. No. 1,222,469; Apr. 10; v. 237; p. 547.
- Rosenberg, Emanuel, Chester, England, assignor to Westinghouse Electric and Manufacturing Company. Means for starting synchronous machines. No. 1,231,651; July 3; v. 240; p. 37.
- Rosenberg, Emanuel, Ashbourne, Bowdon, England, assignor to Westinghouse Electric and Manufacturing Company. Synchronous dynamo-electric machine and starting therefor. No. 1,231,652; July 3; v. 240; p. 38.
- Rosenberg, Louis, Richmond, Va. Mail-sorting device. No. 1,225,499; May 8; v. 238; p. 531.
- Rosenberg, Louis C., Washington, D. C. Preserving-receptacle for micro-organisms. No. 1,234,219; July 24; v. 240; p. 983.
- Rosenberg, Nathan, assignor of one-half to C. Schaefer, Chicago, Ill. Ground-mat. No. 1,222,563; Apr. 10; v. 237; p. 580.
- Rosenberg, Ralph H., assignor to The Kinneair Manufacturing Company, Columbus, Ohio. Steering and driving wheel for motor-vehicles. No. 1,211,238; Jan. 2; v. 234; p. 297.
- Rosenberg, Ralph H., assignor to The Universal Machine Company, Bowling Green, Ohio. Universal joint. No. 1,223,524; Apr. 24; v. 237; p. 985.
- Rosenblatt, Aaron, Philadelphia, Pa. Rim-stretching device. No. 1,219,160; Mar. 13; v. 236; p. 480.
- Rosenblum, Israel, Swampscott, Mass. Treating silica. No. 1,229,324; June 12; v. 239; p. 369.
- Rosenbluth, Edwin M., Philadelphia, Pa. Acetylene-gas generator. No. 1,223,294; Apr. 17; v. 237; p. 869.
- Rosenbluth, Edwin M., Philadelphia, Pa. Lamp-support. No. 1,224,097; Apr. 24; v. 237; p. 1182.
- Rosenbluth, Edwin M., Philadelphia, Pa. Vehicle dash-lamp. No. 1,230,604; June 19; v. 239; p. 832.
- Rosendahl, Nils M., assignor to F. C. Austin, Chicago, Ill. Liquid-metering tank. No. 1,210,988; Jan. 2; v. 234; p. 211.
- Rosendahl, Nils M., assignor to F. C. Austin, Chicago, Ill. Screening and drying apparatus. No. 1,212,264; Jan. 16; v. 234; p. 715.
- Rosendahl, Nils M., Winthrop Harbor, assignor to F. C. Austin, Chicago, Ill. Device for loading concrete-mixers. No. 1,226,261; May 15; v. 238; p. 836.
- Rosendahl, Nils M., Winthrop Harbor, assignor to F. C. Austin, Chicago, Ill. Rotary drier. No. 1,229,524; June 12; v. 239; p. 437.
- Rosendall, Clarence P., Peterson, Iowa. Post-hole digger. No. 1,230,790; June 19; v. 239; p. 893.
- Rosenfeld, Bernard, New York, N. Y. Apparatus for checking runaway horses. No. 1,232,092; July 3; v. 240; p. 188.
- Rosenfeld & Company, E. (See Stephenson, Burr C., assignor.)
- Rosenfeld, John W. (See Rosenfeld, Louis, and J. W. Thompson.)
- Rosenfeld, Leo, Philadelphia, Pa. Clothes-bag. No. 1,215,868; Feb. 13; v. 235; p. 523.
- Rosenfeld, Leo, Philadelphia, Pa. Container for cigars and the like. No. 1,236,877; Aug. 14; v. 241; p. 467.
- Rosenfeld, Louis, and J. W. Thompson, Tuscaloosa, Ala. Cloth measuring and dispensing machine. No. 1,227,322; May 22; v. 238; p. 1227.
- Rosenfeld, Max C., Boston, Mass. Bottle-washing brush. No. 1,228,140; May 29; v. 238; p. 1530.
- Rosenfeld, Sidney, Cleveland, Ohio. Faucet. No. 1,224,959; May 8; v. 238; p. 347.
- Rosenfeld, Sidney, Cleveland, Ohio. Combined bung and faucet. No. 1,248,720; Dec. 4; v. 245; p. 89.
- Rosenfeld, Sidney, Cleveland, Ohio. Bushing. No. 1,248,721; Dec. 4; v. 245; p. 87.
- Rosenfeld, Clarence, V. L. Helm, and E. Key, Fort Worth, Tex., assignors to The Safety Key Tag Company. Hotel-key tag. No. 1,214,957; Feb. 6; v. 235; p. 166.
- Rosenfeld, William W., New York, N. Y. Rotary fan. No. 1,233,707; July 17; v. 240; p. 783.
- Rosengarten, Mitchell G., Philadelphia, Pa. Transformer for shotguns. No. 1,217,347; Feb. 27; v. 235; p. 1134.
- Rosenman, Leo, Brooklyn, N. Y., assignor to R. K. M. Mfg. Company. Machine for sewing seams with gaps. No. 1,238,438; Aug. 28; v. 241; p. 1039.
- Rosenstein, Ludwig, San Francisco, and E. H. Simonds, Oakland, Cal. Extracting trioxid of tungsten from its ores. No. 1,244,082; Oct. 23; v. 243; p. 926.
- Rosenstengel, Fredrick N. (See Ovatt and Rosenstengel.)
- Rosenthal, Abraham L., New York, N. Y. Watch-wristlet. No. 1,245,801; Nov. 6; v. 244; p. 201.
- Rosenthal, Andrew, New York, N. Y. Faucet water-mixer. No. 1,214,221; Jan. 30; v. 234; p. 1455.
- Rosenthal, Arthur, assignor to Rose Label Machine Company, Grand Rapids, Mich. Special-work sewing-machine. No. 1,223,617; Apr. 24; v. 237; p. 1017.
- Rosenthal, Arthur and M., assignors to The Rose Label Machine Co., Grand Rapids, Mich. Label cutting and folding machine. No. 1,215,707; Feb. 13; v. 235; p. 467.
- Rosenthal, August, West Allis, Wis. Corn-busker and ensilage-cutter and silo-filler. No. 1,228,971; June 5; v. 239; p. 201.
- Rosenthal, Edward M., assignor to Bradley & Vrooman Co., Chicago, Ill. Paint-strainer. No. 1,224,213; May 1; v. 238; p. 34.
- Rosenthal, Hans, assignor to Julius Pintsch Aktien-gesellschaft, Berlin, Germany. Railway-carriage lighting. No. 1,235,383; July 31; v. 240; p. 1380.
- Rosenthal, Harris L., New York, N. Y. Cloth-unrolling device. No. 1,238,571; Aug. 28; v. 241; p. 1083.
- Rosenthal, Herman, New York, N. Y. Trousers-creaser. No. 1,247,455; Nov. 20; v. 244; p. 750.
- Rosenthal, Josef. (See Stanzig and König, assignors.)
- Rosenthal, Leon W., New York, N. Y. Calculating-machine. No. 1,237,821; Aug. 21; v. 241; p. 806.
- Rosenthal, Leon W., New York, N. Y. Calculating-machine. No. 1,237,822; Aug. 21; v. 241; p. 806.
- Rosenthal, Leon W., New York, N. Y., and M. C. Hopkins, Jersey City, N. J.; said Hopkins assignor to said Rosenthal. Calculating-machine. No. 1,237,703; Aug. 21; v. 241; p. 770.
- Rosenthal, Martin. (See Rosenthal, Arthur and M.)
- Rosenthal, Raphael. (See Schreiber and Rosenthal.)
- Rosentreter, Albert J., Bounton, assignor to E. Zabriskie, Maplewood, N. J., and F. E. Hutchins, New York, N. Y. Safety mechanism for elevator-shaft doors. No. 1,235,603; Aug. 7; v. 241; p. 24.
- Rosentreter, Alfred J., Bounton, assignor to E. Zabriskie, Maplewood, N. J., and F. E. Hutchins, New York, N. Y. Elevator-shaft sliding-door mechanism. No. 1,244,899; Oct. 30; v. 243; p. 1211.
- Rosenwald, Lucian, Kansas City, Mo. Collapsible box. No. 1,250,357; Dec. 18; v. 245; p. 630.
- Rosenwasser, Morris, Astoria, N. Y. Hook for shoe-laces and the like. No. 1,215,708; Feb. 13; v. 235; p. 468.
- Rosenwinkel, Edwin, Lombard, and L. Papenbrok, Addison, Ill. Electric-railway trolley. No. 1,234,492; July 24; v. 240; p. 1073.
- Rosenzweig, Herman, New York, N. Y. Window sash and frame. No. 1,241,285; Sept. 25; v. 242; p. 909.
- Rosenzweig, Leon, New York, N. Y. Hat-adjuster. No. 1,225,275; May 8; v. 238; p. 453.
- Rosenzweig, Siegfried, New York, N. Y. Steam-engine. No. 1,232,093; July 3; v. 240; p. 189.
- Rosenzweig, Siegfried, New York, N. Y. Steam-engine. No. 1,239,826; Sept. 11; v. 242; p. 382.
- Rosenzweig, Siegfried, New York, N. Y. Steam-engine. No. 1,239,827; Sept. 11; v. 242; p. 383.
- Rosenzweig, Siegfried, New York, N. Y. Centrifugal governor for steam-engines. No. 1,239,828; Sept. 11; v. 242; p. 383.
- Roser, Louis A. (See Althoff, Edward H., assignor.)

- Rosevear, Edmund B., *et al.* (See Forrest, Charles N., assignor.)
- Rosevear, William B., Jr., Detroit, Mich. Making a filler for rubber or paint. No. 1,237,704; Aug. 21; v. 241; p. 771.
- Rosewater, Nathan, Cleveland, Ohio. Composition of beverages. No. 1,229,656; June 12; v. 239; p. 482.
- Rosewarne, Richard E., Covington, Ky., assignor to H. J. Young and R. E. Rosewarne, trustees. Cutter-head for cigarette-machines. No. 1,242,478; Oct. 9; v. 243; p. 361.
- Rosino, Gilbert G., Sandusky, Ohio. Device for taking foot impressions. No. 1,225,500; May 8; v. 238; p. 531.
- Roslyn Specialty Company. (See Karl, Joseph M., assignor.)
- Rosner, Adolph, Bridgeport, Conn., assignor to The "Locomobile" Company of America, New York, N. Y. Internal-combustion engine. No. 1,215,869; Feb. 13; v. 235; p. 523.
- Rosner, Adolph, Bridgeport, Conn., assignor to The "Locomobile" Company of America, New York, N. Y. Internal-combustion engine. No. 1,215,870; Feb. 13; v. 235; p. 524.
- Rosner, Adolph, Bridgeport, Conn., assignor to The Locomobile Company of America, New York, N. Y. Valve. No. 1,246,787; Nov. 13; v. 244; p. 522.
- Rosner, Adolph, assignor to The Locomobile Company of America, Bridgeport, Conn. Wind-shield. No. 1,248,921; Dec. 4; v. 245; p. 144.
- Ross, Albert, Dallas, assignor of one-third to W. M. Dugan and one-third to J. W. Carter, Tarrant county, Tex. Automatic shift for saw-sharpening machines. No. 1,210,697; Jan. 2; v. 234; p. 111.
- Ross, Antonio, Utica, N. Y. Grater. No. 1,228,247; May 29; v. 238; p. 1565.
- Ross, Charles E., Columbus, Ohio. Brick-handling machine. No. 1,234,493; July 24; v. 240; p. 1073.
- Ross, Charles S., Los Angeles, Cal. Bull or calf wheel for well-rigs. No. 1,235,504; July 31; v. 240; p. 1415.
- Ross Chemical Company. (See Miles, George W., assignor.)
- Ross, Conrad, East Orange, N. J., assignor to American Can Company, New York, N. Y. Sheet-metal herring-box. No. 1,239,223; Sept. 4; v. 242; p. 162.
- Ross, David E., La Fayette, Ind. Current-generator and spark-distributor. No. 1,220,277; Mar. 27; v. 236; p. 937.
- Ross, David E., assignor to Ross Gear and Tool Company, La Fayette, Ind. Steering-gear-rocker-shaft-lubricating means. No. 1,233,127; July 10; v. 240; p. 558.
- Ross, David M., Youngstown, Fla. Dispensing-cabinet. No. 1,229,525; June 12; v. 239; p. 438.
- Ross, Edward C., Wolcott, Ind. Trunk. No. 1,210,698; Jan. 2; v. 234; p. 111.
- Ross, Edward T., Detroit, Mich. Cylinder-head. No. 1,241,024; Sept. 25; v. 242; p. 824.
- Ross, Fay E. (See Clark and Ross.)
- Ross, Frank A., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Speedometer drive-train. No. 1,212,814; Jan. 16; v. 234; p. 908.
- Ross, Frank A., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Magnetic speedometer. No. 1,213,547; Jan. 23; v. 234; p. 1197.
- Ross, Frank A., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Demountable pump. No. 1,239,625; Sept. 11; v. 242; p. 317.
- Ross, Frederick M., Cincinnati, Ohio. Vehicle-wheel. No. 1,215,709; Feb. 13; v. 235; p. 468.
- Ross, Frederick M., Cincinnati, Ohio. Safety steering device for automobiles. No. 1,248,014; Nov. 27; v. 244; p. 943.
- Ross, Frederick M., and H. L. Cook, Cincinnati, Ohio. Dirigible lamp and direction-indicator. No. 1,223,737; Apr. 24; v. 237; p. 1059.
- Ross Gear and Tool Company. (See Ross, David E., assignor.)
- Ross, George, Paris, Ill. Bracket. No. 1,230,521; June 19; v. 239; p. 804.
- Ross, Harry B., assignor to Ross Transmission Gear Co., Incorporated, Denver, Colo. Transmission-gearing. No. 1,226,012; May 15; v. 238; p. 747.
- Ross, Harry B., assignor to Philbrick Cutter Head Company, Seattle, Wash. Grinding-machine. No. 1,229,526; June 12; v. 239; p. 438.
- Ross, Harry B., Detroit, Mich., assignor to The Ross Transmission Gear Company, Denver, Colo. Gearing. No. 1,238,198; Aug. 28; v. 241; p. 961.
- Ross, James A., Boston, Mass. Making moisture-resistant wall-paper. No. 1,218,474; Mar. 6; v. 236; p. 202.
- Ross, James L. (See Spencer and Ross.)
- Ross, John C., Boston, Mass. Key-gage. No. 1,227,492; May 22; v. 238; p. 1281.
- Ross, John C., Perth Amboy, N. J. Condiment-holder. No. 1,237,100; Aug. 14; v. 241; p. 540.
- Ross, John E. (See Souders, Addison J., assignor.)
- Ross, John J., International Falls, Minn. Barking-drum. No. 1,228,374; May 29; v. 238; p. 1606.
- Ross, Joseph E., Ipswich, Mass. Mold for concrete. No. 1,214,829; Feb. 6; v. 235; p. 120.
- Ross, Kate, Lincoln, Ill. Bedroom-chair. No. 1,229,657; June 12; v. 239; p. 483.
- Ross, Kenneth, Bonner, Mont. Stake-pocket. No. 1,218,957; Mar. 13; v. 236; p. 411.
- Ross, Louis S., Newtonville, Mass. Means for preventing boiler explosions, leakage, &c. No. 1,238,825; Sept. 4; v. 242; p. 33.
- Ross, Louis S., Newtonville, Mass. Apparatus for thawing hydrants. No. 1,238,826; Sept. 4; v. 242; p. 34.
- Ross, Margaret N. (See Walker, Andrew, assignor.)
- Ross, Margaret N., Auburndale, Mass. Receptacle. No. 1,216,502; Feb. 20; v. 235; p. 801.
- Ross, Mark A., Chicago, Ill. Shaft structure. No. 1,251,108; Dec. 25; v. 245; p. 902.
- Ross, Mark A., Chicago, Ill. Turbine. No. 1,251,109; Dec. 25; v. 245; p. 902.
- Ross, Mark A., Chicago, Ill. Shaft structure. No. 1,251,110; Dec. 25; v. 245; p. 903.
- Ross, Mathew, Chicago, Ill. Drill-chuck. No. 1,233,921; July 17; v. 240; p. 852.
- Ross, Michael J., Rochester, N. Y. Sharpening device for chalk. No. 1,248,015; Nov. 27; v. 244; p. 944.
- Ross, Oscar G. (See Red and Ross.)
- Ross, Richard P., Waterford, Ohio. Gate. No. 1,248,165; Nov. 27; v. 244; p. 986.
- Ross, Robert G., Columbus, Ohio. Puzzle or toy. No. 1,234,220; July 24; v. 240; p. 984.
- Ross, Samuel L., assignor of one-third to F. Trozzo and one-third to J. Rotondo, Lockport, N. Y. Life-preserver. No. 1,245,033; Oct. 30; v. 243; p. 1250.
- Ross, Stephen J., Chicago, Ill. Fish-lure. No. 1,246,162; Nov. 13; v. 244; p. 334.
- Ross, Torey. (See Folger and Ross.)
- Ross, Torey. (See Redfield and Ross.)
- Ross, Torey, Chicago, Ill. Workman's time-recorder. No. 1,221,600; Apr. 3; v. 237; p. 209.
- Ross Transmission Gear Co. (See Ross, Harry B., assignor.)
- Ross, Vernon, Kansas City, Mo. Dispensing-machine. No. 1,218,958; Mar. 13; v. 236; p. 411.
- Ross, Waldo A., Washington, D. C. Shoe-tree. No. 1,222,470; Apr. 10; v. 237; p. 547.
- Ross, Walter T., Vancouver, British Columbia, Canada. Nut-lock. No. 1,210,844; Jan. 2; v. 234; p. 159.
- Ross, William C., Columbus, Ohio. Boat-landing. No. 1,243,981; Oct. 23; v. 243; p. 895.
- Ross, William G., and O. Onsrud, Chicago, Ill. Turbine. No. 1,244,247; Oct. 23; v. 243; p. 975.
- Rossi, Augustus M., Barre, Vt. Stone-sawing machine. No. 1,242,983; Oct. 16; v. 243; p. 557.
- Rossi, John A., North Yakima, Wash. Tent attachment. No. 1,213,022; Jan. 16; v. 234; p. 981.
- Rossi, Marcianus F., San Jose, Cal. Projectile. No. 1,222,142; Apr. 10; v. 237; p. 430.
- Rossi, Tony P., Albuquerque, N. Mex. Tricycle. No. 1,250,665; Dec. 18; v. 245; p. 721.
- Rossignol, Aaron T., assignor of one-half to B. Beasley, Savannah, Ga. Counterboring-tool. No. 1,232,980; July 10; v. 240; p. 511.
- Rossiter, George A., Brooklyn, assignor to F. G. Carrie, New York, N. Y. Meridian-finder and latitude-indicator. No. 1,226,385; May 15; v. 238; p. 876.
- Rossiter, George A., and E. A. Thorne, Brooklyn, assignors to F. G. Carrie, New York, N. Y. Bearing for gyroscopic apparatus. No. 1,213,692; Jan. 23; v. 234; p. 1246.
- Rossiter, George A., Brooklyn, and J. E. Beattie, assignors to F. G. Carrie, New York, N. Y., executor of the estate of M. E. Carrie. Attachment for gyroscopic compasses. No. 1,221,477; Apr. 3; v. 237; p. 167.
- Rosow, John, Milwaukee, Wis. Window-frame and sashes therefor. No. 1,211,357; Jan. 2; v. 234; p. 335.
- Rost, George N., Boston, Mass. Safety device for rotary molding-machines. No. 1,247,723; Nov. 27; v. 244; p. 861.
- Rost, Howard R., assignor to Continental Distributors, Incorporated, Chicago, Ill. Fire-extinguisher. No. 1,248,722; Dec. 4; v. 245; p. 88.
- Rostand Manufacturing Company, The. (See Landine, Peter N., assignor.)
- Roszkowski, Adolph, Petrograd, Russia. Pneumatic hydrostatic system. No. 1,240,373; Sept. 18; v. 242; p. 589.
- Rotary Fly-Trap Company. (See Krueger, Samuel, assignor.)
- Rotary Meter Company. (See Kollstede, Alfred G., assignor.)
- Rotary Photographic Co., Ltd., The. (See Von Madaler, Ferdinand, assignor.)
- Rotary Power Tool Company. (See Berg, John O., assignor.) (Reissue.)
- Rotary Rod Weeder & Manufacturing Company. (See Wolfe, Garnett H., assignor.)
- Rotary Valve Gas Engine Company. (See Nyquist, Gustaf W., assignor.)
- Rote, Charles V., assignor to C. V. Rote Brake Shoe Co., Lancaster, Pa. Brake-shoe and brake-head. No. 1,213,419; Jan. 23; v. 234; p. 1152.
- Rote, Charles V., assignor to C. V. Rote Brake Shoe Co., Lancaster, Pa. Interlocking means for brake-heads and brake-shoes. No. 1,213,420; Jan. 23; v. 234; p. 1152.
- Rote, Charles V., assignor to C. V. Rote Brake Shoe Co., Lancaster, Pa. Brake-shoe mechanism. No. 1,250,513; Dec. 18; v. 245; p. 677.
- Rote, Charles V., assignor to C. V. Rote Brake Shoe Co., Lancaster, Pa. Brake-shoe mechanism. No. 1,250,514; Dec. 18; v. 245; p. 677.

Alphabetical list of patentees—Continued.

- Rote, Charles V., assignor to C. V. Rote Brake Shoe Co., Lancaster, Pa. Brake-shoe mechanism. No. 1,250,515; Dec. 18; v. 245; p. 677.
- Rotenberg, Louis, Akron, Ohio. Manfolding sales-book. No. 1,218,700; Mar. 13; v. 236; p. 319.
- Roth, Adolph, New York, N. Y. Fracture apparatus. No. 1,226,013; May 15; v. 238; p. 747.
- Roth, Adolph F., New York, N. Y. Rotary fan. No. 1,213,955; Jan. 30; v. 234; p. 1365.
- Roth, Albert G., Drake, N. D. Internal-combustion engine. No. 1,221,094; Apr. 3; v. 237; p. 32.
- Roth, August A., assignor to Safety-First Appliances Company, Baltimore, Md. Automatic fender for motor-vehicles. No. 1,216,845; Feb. 20; v. 235; p. 918.
- Roth, August A., and B. B. James, assignors to Surface Grip Corporation, Baltimore, Md. Sander for automobiles. No. 1,243,632; Oct. 16; v. 243; p. 753.
- Roth, Carl H., Southport, England. Domestic cleaning appliance. No. 1,212,815; Jan. 16; v. 234; p. 909.
- Roth, Ernst, Niederutzwil, assignor to Firm of Gebrüder Bühler, Uzwil, Switzerland, Plansifter. No. 1,210,989; Jan. 2; v. 234; p. 211.
- Roth, Jacob M., Pittsburgh, Pa. Mold-heating furnace. No. 1,247,015; Nov. 20; v. 244; p. 624.
- Roth, James D., Waterbury, Conn. Curtain-fastener. No. 1,248,723; Dec. 4; v. 245; p. 88.
- Roth, Maximilian. (See Mandel and Roth.)
- Roth, Peter, New Salem, N. D. Automatic safety device for elevators. No. 1,217,068; Feb. 20; v. 235; p. 992.
- Roth, Reuben D., Gettysburg, Pa. Tying implement. No. 1,210,845; Jan. 2; v. 234; p. 160.
- Rothén, Oscar F., Weehawken, N. J., assignor to F. Lowenstein, Brooklyn, N. Y. Variable electrical apparatus. No. 1,217,348; Feb. 27; v. 235; p. 1134.
- Rothénberger, Daniel M., Reading, Pa. Mausoleum. No. 1,237,823; Aug. 21; v. 241; p. 807.
- Rothermich, Anton P., St. Louis, Mo. Automobile-signal. No. 1,224,022; Apr. 24; v. 237; p. 1158.
- Rothfeld, Max, Philadelphia, Pa. Suction cleaning attachment for player-pianos. No. 1,221,221; Apr. 3; v. 237; p. 78.
- Rothford, Louis P., San Jose, Cal. Signal. No. 1,215,710; Feb. 13; v. 235; p. 468.
- Rothman, Robert R., Pittsburgh, Pa. Fluid-driven motor. No. 1,246,788; Nov. 13; v. 244; p. 522.
- Rothschild, Charles; *et al.* (See Kerch, William C., assignor.)
- Rothschild, John. (See Adams, Sherwood H., assignor.)
- Rothschild, Joseph, *et al.* (See Davis, John T., assignor.)
- Rothstein, Joseph, Brooklyn, N. Y. Cushion instep-raiser. No. 1,215,198; Feb. 6; v. 235; p. 250.
- Rothweiler, Charles B., Seattle, Wash. Partition. No. 1,211,760; Jan. 9; v. 234; p. 507.
- Rothweiler, Harvey N., Seattle, Wash. Means for securing pumps in barrels. No. 1,246,661; Nov. 13; v. 244; p. 485.
- Rothwell, Charles F. (See Doyle and Rothwell.)
- Rothwell, Hugh D., and G. Kribs, Toronto, Ontario, Canada. Electrical conductor-connector. No. 1,218,475; Mar. 6; v. 236; p. 202.
- Roto Company, The. (See Darlington, Philip J., assignor.)
- Rotondo, Joseph, *et al.* (See Ross, Samuel L., assignor.)
- Rotor Vacuum Cleaner Company, The. (See Meredith-Jones, Hubert, assignor.)
- Rottenburg, Henry, Cambridge, England. Puttee. No. 1,216,366; Feb. 20; v. 235; p. 752.
- Rottenburg, Louis, Ealing, London, England. Device for setting the selective controlling apparatus on a moving automatic goods conveyor or trucker from a fixed station. No. 1,244,546; Oct. 30; v. 243; p. 1104.
- Rottenkolber, George, Cornwall, Ontario, Canada. Compound for preserving beer. No. 1,217,641; Feb. 27; v. 235; p. 1241.
- Rotter, Anton, Rorschach, Switzerland. Bobbin-winder. No. 1,240,881; Sept. 25; v. 242; p. 780.
- Rottl, Frederick, Elizabethport, N. J. Window-scaffold. No. 1,215,994; Feb. 13; v. 235; p. 568.
- Rottl, Frederick, Elizabethport, N. J. Window-stand. No. 1,218,321; Mar. 6; v. 236; p. 152.
- Rottman, George, New York, N. Y. Album for holding phonograph-records. No. 1,248,922; Dec. 4; v. 245; p. 145.
- Rottmer, Henry E., Washington, D. C. Shackle or connecting-link. No. 1,222,997; Apr. 17; v. 237; p. 770.
- Roudebush, George G., Oshkosh, Nebr. Animal-chute. No. 1,212,112; Jan. 9; v. 234; p. 629.
- Rough, James E. (See Beere and Rough.)
- Rought, Frank. (See Betts and Rought.)
- Roulo, Claude L. (See Roulo, Richard J. and C. L.)
- Roulo, Richard J., and C. L., Oakland, Cal. Safety appliance for elevators. No. 1,234,807; July 31; v. 240; p. 1204.
- Roulo, Richard J., Los Angeles, and C. L. Roulo, Oakland, Cal. Door-latch-operating mechanism. No. 1,234,938; July 31; v. 240; p. 1246.
- Rounds, Herbert G., Bay City, Mich. Leveling device. No. 1,215,711; Feb. 13; v. 235; p. 469.
- Rounds, Wilbur L., Rensselaer, N. Y. Hydraulic clutch. No. 1,224,669; May 1; v. 238; p. 197.
- Rounds, William A., Cleveland, Ohio. Shoe. No. 1,245,802; Nov. 6; v. 244; p. 201.
- Rounseville, William E., assignor to C. A. Marsh and Company, Attleboro, Mass. Belt-clasp. No. 1,237,389; Aug. 21; v. 241; p. 669.
- Rountree, Richard, San Francisco, Cal. Wave-motor. No. 1,227,201; May 22; v. 238; p. 1187.
- Rouse, Seymour A., Chicago, Ill. Armored liner for pneumatic tires. No. 1,227,673; May 29; v. 238; p. 1372.
- Rousseau, Benjamin F. and C. D., Fort Wayne, Ind.; said C. D. Rousseau assignor to said Benjamin F. Rousseau. Lock for motor-vehicles. No. 1,220,462; Mar. 27; v. 236; p. 1004.
- Rousseau, Chauncey D. (See Rousseau, Benjamin F. and C. D.)
- Rousseau, Clarence A., Riverside, Cal. Chase for printers' use. No. 1,212,405; Jan. 16; v. 234; p. 764.
- Rousseau, Joseph L., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Type or matrix. No. 1,214,373; Jan. 30; v. 234; p. 1511.
- Rousseau, Joseph L., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Quad-block or matrix. No. 1,231,943; July 3; v. 240; p. 136.
- Rousseau, Joseph L., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Matrix for line-casting machines. No. 1,231,944; July 3; v. 240; p. 137.
- Roussio, Jacques. (See Anderson, Carl E., assignor.)
- Roussio, Jacques. (See Corlett, Robert S., assignor.)
- Routin, Joseph L., Paris, France. Means for collectively actuating and controlling alternating-current motors. No. 1,221,095; Apr. 3; v. 237; p. 32.
- Routzahn, Warren W., Arroyo Grande, Cal. Combination tire and baggage carrier. No. 1,248,404; Nov. 27; v. 244; p. 1052.
- Roux, George P., Philadelphia, Pa. Polyplex terminal for electrical light and power cables. No. 1,235,926; Aug. 7; v. 241; p. 130.
- Row & Davis, Engineers. (See Davis, Howard C., assignor.)
- Row, James, London, England. Sleeping or military valise. No. 1,247,882; Nov. 27; v. 244; p. 906.
- Rowan, Francis N., assignor to W. J. Flynn, New York, N. Y. Combined fresh-air plate and sewer-gas check. No. 1,214,374; Jan. 30; v. 234; p. 1511.
- Rowan, William P., St. Louis, Mo., assignor, by mesne assignments, to A. T. Crawford and H. S. Fliesbach, Scotts Bluff, Nebr. Animated attachment for radiator-caps. No. 1,229,068; June 5; v. 239; p. 232.
- Rowe, Alvin V., Galesburg, Ill. Gate. No. 1,224,325; May 1; v. 238; p. 76.
- Rowe, Alvin V., Galesburg, Ill. Gate. No. 1,232,609; July 10; v. 240; p. 389.
- Rowe, Alvin V., assignor to Rowe Manufacturing Co., Galesburg, Ill. Anchor. No. 1,218,211; Mar. 6; v. 236; p. 113.
- Rowe, Bertrand P., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Connector. No. 1,236,766; Aug. 14; v. 241; p. 433.
- Rowe, C. E. (See Fessler, Frank, assignor.)
- Rowe, Charles E., Dayton, Ohio. Collar-button. No. 1,246,163; Nov. 13; v. 244; p. 335.
- Rowe, Claude O. (See Jones, Rowe, and Johnson.)
- Rowe, Don R. (See Ziehler and Rowe.)
- Rowe, Elijah F., Big Falls, Minn. Combined weeder and cultivator. No. 1,212,563; Jan. 16; v. 234; p. 820.
- Rowe, Forrest C., Concord, N. H. Dental-motor hood. No. 1,212,564; Jan. 16; v. 234; p. 821.
- Rowe, Frederick H. (See Gage, Seth H., assignor.)
- Rowe, George H., assignor to L. E. King, Berwyn, Ill. Automatic timer for starting elevators. No. 1,230,434; June 19; v. 239; p. 774.
- Rowe, James, Chicago, Ill. Feed attachment for automatic book-trimming machines. No. 1,213,265; Jan. 23; v. 234; p. 1097.
- Rowe, James, Chicago, Ill. Book-pad adjuster for automatic book-trimming machines. No. 1,213,266; Jan. 23; v. 234; p. 1098.
- Rowe, Levi L., Boston, Mass. Lens. No. 1,241,886; Oct. 2; v. 243; p. 134.
- Rowe Manufacturing Co. (See Knutson, Alfred W., assignor.)
- Rowe Manufacturing Co. (See Rowe, Alvin V., assignor.)
- Rowe Ring-Point Company, The. (See Chism, Louis W., assignor.)
- Rowe, Thomas, Leytonstone, England. Closure for rubber receptacles. No. 1,220,006; Mar. 20; v. 236; p. 802.
- Rowekamp, George L., Winona, Minn. Vapor-generating burner. No. 1,215,712; Feb. 13; v. 235; p. 469.
- Rowell, Frank F., Bayside, N. Y., assignor to H. W. Johnson-Manville Company. Holding device for fire-extinguishers. No. 1,222,143; Apr. 10; v. 237; p. 430.
- Rowen, R. C. (See Heckman, Homer H., assignor.)
- Rowland, Charles L., assignor to American Welding Company, Carbondale, Pa. Making metal containers. No. 1,216,733; Feb. 20; v. 235; p. 881.
- Rowland, Charles L., assignor to American Welding Company, Carbondale, Pa. Metal-working apparatus. No. 1,217,221; Feb. 27; v. 235; p. 1091.
- Rowland, Charles M. (See Walter, Butterworth, and Sigler, assignors.)
- Rowland, Erroll G. (See Mueller and Rowland.)
- Rowland, Frank P., Donnelly, Idaho. Locking means for sectional crosscut-saws. No. 1,219,161; Mar. 13; v. 236; p. 480.
- Rowland, Glen M., Portland, Oreg. Clamp for mirror and picture frames. No. 1,221,601; Apr. 3; v. 237; p. 209.

- Rowland, Samuel C., Crawfordsville, Ind., assignor to General Appliance Company, Chicago, Ill. Automobile-bumper. No. 1,218,701; Mar. 13; v. 236; p. 319.
- Rowlands, Erroll G. (See Mueller and Rowlands.)
- Rowledge, Arthur J., assignor to D. Napier & Son Limited, London, England. Mechanism for the operation and control of variable-speed gears. No. 1,240,374; Sept. 13; v. 242; p. 590.
- Rowles, Elizabeth L., Goodhue, Minn. Book-cover protector. No. 1,238,342; Aug. 28; v. 241; p. 1009.
- Rowlette, Charles G., Grand Rapids, Mich., assignor, by mesne assignments, to F. V. Detwiler, Pottstown, Pa. Stove. No. 1,236,985; Aug. 14; v. 241; p. 502.
- Rowley, Arthur C., assignor to Associated Automatic Sprinkler Company, Philadelphia, Pa. Automatic sprinkler. No. 1,231,653; July 3; v. 240; p. 38.
- Rowley, Horace T., New York, N. Y., and E. Schranz, Camden, N. J., assignors to Standard Compress and Warehouse Corporation, Richmond, Va. Press. No. 1,221,767; Apr. 3; v. 237; p. 265.
- Rowley, Isabelle C., Columbus, Ohio. Sewing-machine-feeding device. No. 1,220,007; Mar. 20; v. 236; p. 803.
- Rowley, James F., Chicago, Ill. Artificial leg. No. 1,216,367; Feb. 20; v. 235; p. 753.
- Rowley, James M. (See Gebhard and Rowley.)
- Rowntree, Carl B., Atlanta, Ga. Apparatus for and method of taking trick and advertising moving pictures. No. 1,227,075; May 22; v. 238; p. 1145.
- Rowntree, Harold, Kenilworth, Ill. Interlocking control system for elevators. No. 1,216,846; Feb. 20; v. 235; p. 919.
- Rowntree, Harold, Kenilworth, Ill. Electric-wiring connection. No. 1,226,813; May 22; v. 238; p. 1055.
- Rowntree, Harold, Kenilworth, Ill., assignor to National Pneumatic Company, New York, N. Y. Passenger-car. No. 1,229,791; June 12; v. 239; p. 526.
- Roworth, Edward S., assignor of one-third to G. Roworth, Matlock Bath, and one-third to F. C. Lymn, Matlock, England. Manufacture and composition of bread or the like. No. 1,215,995; Feb. 13; v. 235; p. 569.
- Roworth, George, *et al.* (See Roworth, Edward S., assignor.)
- Rowsey, Gentry L., assignor to The Illinois Refining Machinery Company, Quincy, Ill. Apparatus for treating hydrocarbon-oils. No. 1,235,384; July 31; v. 240; p. 1380.
- Roy, Alphonse M. (See Laveck and Roy.)
- Roy, Edward D., Greenville, S. C. Rock-shaft bearing. No. 1,234,808; July 31; v. 240; p. 1204.
- Roy, Edward D., Greenville, S. C., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Thread-cutting temple for looms. No. 1,233,128; July 10; v. 240; p. 558.
- Roy, Edward D., Greenville, assignor to Clinton Cam Company, Clinton, S. C. Bobbin-skewer. No. 1,245,620; Nov. 6; v. 244; p. 145.
- Roy, Régis, assignor of one-fourth to H. Ritchie, Ottawa, Ontario, Canada. Envelop. No. 1,210,699; Jan. 2; v. 234; p. 112.
- Royal Baking Powder Company. (See Curran, Samuel H., assignor.)
- Royal Baking Powder Company. (See Peter, Arnold H., assignor.)
- Royal Baking Powder Company. (See Vaygouny, Mooshegh, assignor.)
- Royal, Belford G., Camden, N. J., assignor to the Victor Talking Machine Company, Governor. No. 1,245,125; Oct. 30; v. 243; p. 1279.
- Royal, Charles S. (See Butler, Junius W., assignor.)
- Royal Equipment Company, The. (See Ryan, Louis L., assignor.)
- Royal, Isaac N., Fort Valley, Ga. Meat-cutter. No. 1,243,448; Oct. 16; v. 243; p. 697.
- Royal Packing Company. (See Lynch, George E., assignor.)
- Royal Typewriter Company. (See Dowd, Bernard J., assignor.)
- Royal Typewriter Company. (See Drew, Walter N., assignor.)
- Royal Typewriter Company. (See Flynn, Michael H., assignor.)
- Royal Typewriter Company. (See Handley, George F., assignor.)
- Royal Typewriter Company. (See Hess, Edward B., assignor.)
- Royal Typewriter Company. (See Hess and Myers, assignors.)
- Royal Typewriter Company. (See Mathies, Franklyn L., assignor.)
- Royal Typewriter Company. (See Myers, Lewis C., assignor.)
- Royal Typewriter Company. (See Rupf, Frank E., assignor.)
- Royal Typewriter Company. (See Schwartz, Albert A., assignor.)
- Royal Worcester Corset Co. (See Lecoutre, Auguste J., assignor.)
- Royce, Frederick H., Derby, England. Brake mechanism. No. 1,210,846; Jan. 2; v. 234; p. 160.
- Royce, Frederick H., assignor to Rolls Royce Limited, Derby, England. Gudgeon-pin-locking device. No. 1,222,802; Apr. 17; v. 237; p. 704.
- Royce, Frederick H., assignor to Rolls Royce Limited, Derby, England. Aircraft-propeller. No. 1,223,330; Apr. 17; v. 237; p. 881.
- Royce, Frederick H., assignor to Rolls-Royce Limited, Derby, England. Epicyclic gearing. No. 1,225,360; May 8; v. 238; p. 486.
- Royce, Frederick H., assignor to Rolls-Royce Limited, Derby, England. Lubricant-retaining device for the valve mechanism of internal-combustion engines. No. 1,225,361; May 8; v. 238; p. 486.
- Roycroft, Charles E., Covington, Ky., assignor to The Globe-Wernicke Company, Cincinnati, Ohio. Follower for filing-cabinets. No. 1,237,824; Aug. 21; v. 241; p. 807.
- Royer, Curtis L., and J. W. Murphy, Grand Rapids, Mich. Skid-chain appliance. No. 1,248,724; Dec. 4; v. 245; p. 88.
- Royer, David H., Hartville, Ohio. Screw-holder for screw-drivers. No. 1,231,792; July 3; v. 240; p. 86.
- Royer, George F., Wilkes-Barre, Pa. Safety mine-holst. No. 1,213,956; Jan. 30; v. 234; p. 1366.
- Royer, Harry K., and W. S. Bowen, Norristown, Pa. Indicator for milk-bottles. No. 1,233,404; July 17; v. 240; p. 684.
- Royer, Helen. (See Snyder, John J., assignor.)
- Royer, Henry H., assignor of one-half to R. P. Royer, Roanoke, Va. Metallic packing. No. 1,216,503; Feb. 20; v. 235; p. 801.
- Royer, Noah E., Empire, Cal. Water-power mechanism. No. 1,234,101; July 17; v. 240; p. 908.
- Royer, Noah E., Empire, Cal. Apparatus for automatically supplying and heating water for various uses. No. 1,248,725; Dec. 4; v. 245; p. 88.
- Royer, Richard P. (See Royer, Henry H., assignor.)
- Roylance, Leon S., *et al.* (See Berry, Seneca L., assignor.)
- Royle, Vernon, Paterson, N. J. Saw-setting apparatus. No. 1,213,267; Jan. 23; v. 234; p. 1099.
- Royle, Vernon, Paterson, N. J. Cop. No. 1,214,958; Feb. 6; v. 235; p. 167.
- Royle, Vernon, Paterson, N. J. Auxiliary work-holder for edging-machines. No. 1,230,927; June 26; v. 239; p. 976.
- Royle, Vernon, Paterson, N. J. Edging-machine. No. 1,239,525; Sept. 11; v. 242; p. 284.
- Royle, Vernon, Paterson, N. J. Saw-setting apparatus. No. 1,248,016; Nov. 27; v. 244; p. 944.
- Royle, Vernon and Vernon E., Paterson, N. J. Ellipso-graph attachment for routing-machines. No. 1,226,912; May 22; v. 238; p. 1087.
- Royle, Vernon E. (See Royle, Vernon and V. E.)
- Royle, Vernon E., Paterson, N. J. Routing-cutter. No. 1,235,604; Aug. 7; v. 241; p. 25.
- Roy, Herman E., New York, N. Y., assignor, by mesne assignments, to Cameoscope Corporation. Moving-picture machine. No. 1,240,882; Sept. 25; v. 242; p. 780.
- Roy, Willis E., Richmond Hill, N. Y. Magazine feed-boiler. No. 1,244,375; Oct. 23; v. 243; p. 1012.
- Royston, Thomas, Madison, Wis. Thermometer-support. No. 1,230,035; June 12; v. 239; p. 604.
- Rozwud, Andrzej, Detroit, Mich. Insect-trap. No. 1,219,665; Mar. 20; v. 236; p. 685.
- Rubber & Celluloid Harness Trimming Co. (See Barry, Thomas F., assignor.)
- Rubber Regenerating Company. (See Emery, Albert G., assignor.)
- Rubber Regenerating Company. (See Price, Raymond B., assignor.)
- Rubber Regenerating Company. (See Price and Steinle, assignors.)
- Rubber Regenerating Company. (See Whittelsey, Theodore, assignor.)
- Rubber Set Brush Co. Limited. (See Timmis, Albert H., assignor.)
- Rubel, Georg, New Orleans, La. Toy ball-thrower. No. 1,210,847; Jan. 2; v. 234; p. 160.
- Rubel, Jacob C., Emmetsburg, Iowa. Adjustable window-screen. No. 1,217,222; Feb. 27; v. 235; p. 1091.
- Ruben, John W., Portland, Oreg. Soaring aeroplane. No. 1,225,059; May 8; v. 238; p. 382.
- Rubenkoenig, John, *et al.* (See Hawley, Royal A., assignor.)
- Rubenstein, Harry; said Rubenstein assignor to himself, J. E. Seifert, and J. Wagner, Jr., Philadelphia, Pa. Vending apparatus. No. 1,222,471; Apr. 10; v. 237; p. 547.
- Rubenstein, Jacob, New York, N. Y. Safety-guard for vehicles. No. 1,218,583; Mar. 6; v. 236; p. 240.
- Rubenstein, Nathan, New York, N. Y. Apparatus for renovating wearing-apparel. No. 1,241,557; Oct. 2; v. 243; p. 29.
- Rubenstein, Nathan, New York, N. Y. Grater. No. 1,248,166; Nov. 27; v. 244; p. 986.
- Ruber, Anton G., and C. H. Porter, Albany, N. Y. Flexible sleeve for stay-bolts. No. 1,225,501; May 8; v. 238; p. 531.
- Rubin, Adolph, St. Louis, Mo. Cloth-cutting machine. No. 1,228,826; June 5; v. 239; p. 154.
- Rubin, Harry, Oakland, assignor of forty-nine one hundredths to E. Sugarman, San Francisco, Cal. Rotary pump. No. 1,250,021; Dec. 11; v. 245; p. 491.
- Rubin, Herman. (See Landsberg and Rubin.)
- Rubin, Hyman, Brooklyn, N. Y. Folder for sewing-machines. No. 1,230,036; June 12; v. 239; p. 604.

Alphabetical list of patentees—Continued.

- Rubincam, Harry C. (See Ellsworth, Clarence A., assignor.)
- Rubinstein, Elias, New York, N. Y. Edge-binder. No. 1,227,076; May 22; v. 238; p. 1145.
- Rubottom, Charles E., assignor of one-fourth to H. Houser, Globe, Ariz. Wind-wheel. No. 1,249,206; Dec. 4; v. 245; p. 224.
- Ruby, John E., Indianapolis, Ind. Animal-trap. No. 1,250,022; Dec. 11; v. 245; p. 491.
- Ruby Manufacturing Company. (See Leonard, Howard M., assignor.)
- Ruck, Edwin, Swansea, Wales. Smelting-furnace. No. 1,223,738; Apr. 24; v. 237; p. 1060.
- Rücker, Karl, and D. Pickée, Marienfelde, near Berlin, Germany. Arrangement for daming. No. 1,240,606; Sept. 18; v. 242; p. 660.
- Ruckes, Michael, Chicopee, assignor, by mesne assignments, to E. M. Chapman and C. E. Cowan, Holyoke, Mass. Elevating-truck. No. 1,244,783; Oct. 30; v. 243; p. 1176.
- Ruckgaber, Albert, Brooklyn, N. Y. Speed-regulator for phonographs. No. 1,212,692; Jan. 16; v. 234; p. 868.
- Ruckgaber, Albert, Brooklyn, N. Y. Speed-regulator for phonographs. No. 1,212,693; Jan. 16; v. 234; p. 868.
- Ruckgaber, Albert, Brooklyn, N. Y. Speed-regulator for phonographs. No. 1,241,887; Oct. 2; v. 243; p. 134.
- Ruckstahl, Alfred. (See Luchs and Ruckstahl.)
- Ruckstahl and Luchs. (See Luchs and Ruckstahl, assignors.)
- Rudd, Alexander H., Media, Pa., assignor to The Position-Light Signal Company. Signaling system. No. 1,214,375; Jan. 30; v. 234; p. 1511.
- Rudd, Everett C., Mount Vernon, N. Y. Automatic platform for street-cars. No. 1,221,908; Apr. 10; v. 237; p. 349.
- Rudd, Harry H., Roanoke, Va. Hinge-joint for folding ladders. No. 1,228,248; May 29; v. 238; p. 1565.
- Rudd, Henry M., Los Angeles, Cal. Combined pasteurizing, holding, and cooling means. No. 1,214,376; Jan. 30; v. 234; p. 1512.
- Rudd, James E., assignor of one-half to G. S. Gladwell, McComas, W. Va. Sledge-hammer. No. 1,210,539; Jan. 2; v. 234; p. 56.
- Rude, John E., Liberty, Ind. Fertilizer-distributor. No. 1,222,208; Apr. 10; v. 237; p. 453.
- Rudek, Marya, Philadelphia, Pa. Cuspidor and lifter. No. 1,228,141; May 29; v. 238; p. 1531.
- Rudert, Paul, Tarentum, Pa. Sound-box for sound-reproducing machines. No. 1,226,262; May 15; v. 238; p. 836.
- Rudge-Whitworth Limited. (See Heathcote, Henry L., assignor.)
- Rudge Whitworth Limited. (See Pugh, John V., assignor.)
- Rudge-Whitworth Limited. (See Pugh and Blair, assignors.)
- Rudisill, John A., Lewistown, Mont. Toy. No. 1,250,024; Dec. 11; v. 245; p. 492.
- Rudnich, Edwin, et al. (See Light, Claus H., assignor.)
- Rudolf, Ernst, Berlin-Halensee, Germany, assignor to L. Elkan Erben Gesellschaft m. b. H., Berlin-Westend, Germany. Stable carbonic-acid solution and producing same. No. 1,247,334; Nov. 20; v. 244; p. 715.
- Rudolph, Alfred J., Philadelphia, Pa. Vent-box. No. 1,238,199; Aug. 28; v. 241; p. 961.
- Rudolph, Corrie F., Washington, D. C. Combination faucet and drinking-fountain. No. 1,240,260; Sept. 18; v. 242; p. 555.
- Rudolph, Franklin, Winnetka, Ill., assignor to American Can Company, New York, N. Y. Drying apparatus. No. 1,227,674; May 29; v. 238; p. 1373.
- Rudolph, Harold V. (See Scott and Rudolph.)
- Rudolph, Isador, Philadelphia, Pa. Plaque. No. 1,225,179; May 8; v. 238; p. 422.
- Rudolph, John, Kenesee, Ky. Control apparatus for siphons. No. 1,250,023; Dec. 11; v. 245; p. 491.
- Rudolph Wurlitzer Manufacturing Company, The. (See Lockwood, Louis S., assignor.)
- Rudolph Wurlitzer Manufacturing Company, The. (See Martini, Caesar, assignor.)
- Rudolph Wurlitzer Manufacturing Company, The. (See Wurlitzer and McCormick, assignors.)
- Rudolph, Frank, New York, N. Y., and O. Ostlin, Maywood, Ill., assignors to American Can Company, New York, N. Y. Can-body-making machine. No. 1,227,077; May 22; v. 238; p. 1146.
- Rudqvist, Carl, Munich, Germany. Two-stroke combustion-engine. No. 1,239,224; Sept. 4; v. 242; p. 162.
- Ruedas y Neumaticos Mayolino. (See Mayolino, Luis, assignor.)
- Ruegamer, Elmer, La Fayette, Ind. Steering apparatus for automobiles. No. 1,251,111; Dec. 25; v. 245; p. 903.
- Rüegger, Eduard, assignor to Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Device for the gas-tight sealing of the cover of a vessel. No. 1,246,164; Nov. 13; v. 244; p. 335.
- Rueping, William H., assignor to Fred Rueping Leather Company, Fond du Lac, Wis. Hair-wringing machine. No. 1,250,666; Dec. 18; v. 245; p. 722.
- Rueh, Frank. (See Auer, Carl, assignor.)
- Ruff, John F., Port Huron, Mich. Cream-treating device and process. No. 1,222,892; Apr. 17; v. 237; p. 735.
- Ruff, William, New York, N. Y. Work-holder for machine-tools. No. 1,249,207; Dec. 4; v. 245; p. 225.
- Ruff, William J., Quincy, Ill. Shipping-barrel. No. 1,226,814; May 22; v. 238; p. 1055.
- Ruff, William J., Quincy, Ill. Fountain-pen. No. 1,239,971; Sept. 11; v. 242; p. 427.
- Ruff, William J., Quincy, Ill. Fountain-pen. No. 1,239,972; Sept. 11; v. 242; p. 428.
- Ruffalo, Pasquale J., Mount Vernon, N. Y. Winding and reeling device for electric conductors. No. 1,245,034; Oct. 30; v. 243; p. 1251.
- Ruffin, John A., assignor to The Noiseless Typewriter Company, Middletown, Conn. Type-writing machine. No. 1,242,244; Oct. 9; v. 243; p. 287.
- Rugel, Michael, Milwaukee, Wis. Safety and signal apparatus for fire-alarm boxes. No. 1,217,069; Feb. 20; v. 235; p. 993.
- Rugeroni, Hector A., Buenos Aires, Argentina. Permanent way of railways. No. 1,231,432; June 26; v. 239; p. 1148.
- Ruggiero, Pasquale, Philadelphia, Pa. Heel for shoes. No. 1,227,202; May 22; v. 238; p. 1188.
- Ruggles, Henry B. (See Hodge and Ruggles.)
- Ruggles, Henry B. (See Naylor and Ruggles.)
- Ruggles, Henry B., Chicago, Ill. Knockdown box. No. 1,215,713; Feb. 13; v. 235; p. 469.
- Ruggles, Louis G. (See Miller and Ruggles.)
- Rugh, Harry O., Chicago, Ill., assignor to Railway Electric Manufacturing Company. Signaling system. No. 1,219,666; Mar. 20; v. 236; p. 686.
- Rugh, Harry O., assignor to Railway Electric Manufacturing Co., Chicago, Ill. Circuit-controlling device. No. 1,249,673; Dec. 11; v. 245; p. 390.
- Ruhe, Carleton, Olean, N. Y. Machine for handling hides or leather in bulk. No. 1,210,700; Jan. 2; v. 234; p. 112.
- Ruhe, Carleton, Olean, N. Y. Leather-brushing machine. No. 1,213,908; Jan. 30; v. 234; p. 1350.
- Ruhe, Carleton, Olean, N. Y. Hydroplane. No. 1,217,828; Feb. 27; v. 235; p. 1303.
- Ruhe, Carleton, Olean, N. Y. Hydroplane. No. 1,222,674; Apr. 17; v. 237; p. 660.
- Ruhe, Carleton, Olean, N. Y. Combined fleshing and un-hairing machine. No. 1,223,424; Apr. 24; v. 237; p. 948.
- Ruhe, Carleton, Olean, N. Y. Hydroplane. No. 1,233,708; July 17; v. 240; p. 783.
- Ruhe, Carleton, Olean, N. Y. Machine for scrubbing or brushing leather. No. 1,233,709; July 17; v. 240; p. 784.
- Ruit, Peter, Hawthorne, and S. J. Maher, assignors to H. J. Tynan, Paterson, N. J. Cutting-tool. No. 1,243,449; Oct. 16; v. 243; p. 697.
- Rukop, Hans E. R., and W. K. M. Schloemilch, assignors to Gesellschaft für drahtlose Telegraphie m. b. H., Berlin, Germany. Cathode-ray tube. No. 1,210,540; Jan. 2; v. 234; p. 56.
- Rule, Tom E., and J. Nicol, Liverpool, assignors to A. H. Bonnard, London, W. E. England. Preparation of vegetable charcoal. No. 1,250,228; Dec. 18; v. 245; p. 592.
- Rullison, William, Lorain, Ohio. Spring vehicle-wheel. No. 1,222,998; Apr. 17; v. 237; p. 770.
- Rumens, George J., assignor to G. Miller, Baltimore, Md. Clutch-operating mechanism. No. 1,244,376; Oct. 23; v. 243; p. 1013.
- Rummel, William H., Dubois, Idaho. Wrench. No. 1,245,035; Oct. 30; v. 243; p. 1251.
- Rummier, Rudow, Wilmette, Ill. Cash-register. No. 1,230,928; June 26; v. 239; p. 977.
- Rummier, Rudow, Wilmette, Ill. Telephone for transmitting and reproducing sounds. No. 1,238,439; Aug. 28; v. 241; p. 1040.
- Rumney, Fred A., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Fastener-setting machine. No. 1,231,201; June 26; v. 239; p. 1071.
- Rumpf, Gustave A. (See Hitchner, Rumpf, and Brown.)
- Rumpf, John P., Baltimore, Md. Automatic burglar and fire alarm. No. 1,246,471; Nov. 13; v. 244; p. 428.
- Rumsey, James W., West Berkeley, Cal. Box-car-door structure. No. 1,236,110; Aug. 7; v. 241; p. 187.
- Rumsey, James W., West Berkeley, Cal., assignor of one-half to F. T. Hays, Chicago, Ill. Car-door. No. 1,215,714; Feb. 13; v. 235; p. 469.
- Rumsey, James W., West Berkeley, Cal., assignor of one-half to F. T. Hays, Chicago, Ill. Door structure for cars. No. 1,215,715; Feb. 13; v. 235; p. 470.
- Rumsey, James W., West Berkeley, Cal., assignor of one-half to F. T. Hays, Chicago, Ill. Box-car-door structure. No. 1,215,716; Feb. 13; v. 235; p. 470.
- Runcie, William T., Maplewood, N. J. Feed control for liquids. No. 1,238,002; Mar. 6; v. 236; p. 40.
- Rundie, Fred A., Harvey, Ill. Safety-limit switch. No. 1,236,485; Aug. 14; v. 241; p. 339.
- Rundle, George W., Columbus, Ohio. Propulsion mechanism. No. 1,226,014; May 15; v. 238; p. 748.
- Rundle, Thomas N., Paton, Iowa. Lantern-slide. No. 1,229,527; June 12; v. 239; p. 439.
- Rundlöf, Erik A., Stocksund, Sweden. Method of and means for operating internal-combustion engines and the like. No. 1,220,893; Mar. 27; v. 236; p. 1150.
- Rung, Albert M. (See Brannan and Rung.)

- Runge, Friedrich A., San Marcos, Tex. Motor-cultivator. No. 1,218,121; Mar. 6; v. 236; p. 82.
- Runge, W. A. (See Kellogg, Henry L., assignor.)
- Runge, Walter C., West Collingswood, N. J., assignor to D. L. Short, Philadelphia, Pa. Garment-supporter. No. 1,219,162; Mar. 13; v. 236; p. 480.
- Runions, James R., Coal Harbor, N. D. Bag holder and filler. No. 1,244,900; Oct. 30; v. 243; p. 1211.
- Runkel, Grant A., Lancaster, Pa. Compound-spring arch-support. No. 1,246,789; Nov. 13; v. 244; p. 522.
- Runkle, Fred A. (See Bayne and Runkle.)
- Runne, Henry G., Rochester, N. Y. Vehicle. No. 1,232,434; July 3; v. 240; p. 296.
- Runner, Charles F., Bellingham, Wash. Sprocket. No. 1,234,572; July 24; v. 240; p. 1098.
- Running, Albert O., Hawkins, Wis. Pneumatic-tire callipers. No. 1,238,440; Aug. 28; v. 241; p. 1040.
- Runnion, Alonzo, assignor of one-half to L. S. Goff, Spencer, W. Va. Well-drilling apparatus. No. 1,235,385; July 31; v. 240; p. 1380.
- Runnion, David A., Fort Hancock, N. J. Package-tie. No. 1,230,791; June 19; v. 239; p. 893.
- Runquist, Carl, Chicago, assignor of one-half to O. G. Arfstrom, Berwyn, Ill. Pump. No. 1,221,602; Apr. 3; v. 237; p. 209.
- Runquist, Gustaf, assignor to International Money Machine Company, Terre Haute, Ind. Adding and listing machine. No. 1,213,268; Jan. 23; v. 234; p. 1099.
- Runser, Robert W. (See Fullmer and Runser.)
- Runyan, Arthur L., Waterloo, Iowa, assignor to Runyan Cushion Wheel Company, Omaha, Nebr. Resilient tire. No. 1,221,380; Apr. 3; v. 237; p. 133.
- Runyan, Arthur L., Waterloo, Iowa, assignor to Runyan Cushion Wheel Company, Omaha, Nebr. Resilient tire. No. 1,221,381; Apr. 3; v. 237; p. 133.
- Runyan, Arthur L., Waterloo, Iowa, assignor to Runyan Cushion Wheel Company, Omaha, Nebr. Resilient heel for boots or shoes. No. 1,227,493; May 22; v. 238; p. 1281.
- Runyan, Arthur L., assignor to Runyan Cushion Wheel Company, Omaha, Nebr. Resilient wheel. No. 1,227,494; May 22; v. 238; p. 1282.
- Runyan, Arthur L., assignor to Runyan Cushion Wheel Company, Omaha, Nebr. Resilient tire. No. 1,227,495; May 22; v. 238; p. 1282.
- Runyan Cushion Wheel Company. (See Runyan, Arthur L., assignor.)
- Runyan, James D. (See Taylor and Runyan.)
- Runyan, Louis F., Lebanon, Ohio. Hay-rigging. No. 1,213,023; Jan. 16; v. 234; p. 981.
- Runyan, William, Clinton, Ind. Drilling-bit socket. No. 1,217,349; Feb. 27; v. 235; p. 1134.
- Runyen, David. (See Runyen, James and D.)
- Runyen, James and D., Grand Rapids, Mich. Grease-cabinet. No. 1,215,313; Feb. 6; v. 235; p. 289.
- Runzel-Lenz Electric M'fg. Co. (See Runzel, William L., assignor.)
- Runzel, William L., assignor to Runzel-Lenz Electric M'fg. Co., Chicago, Ill. Moisture-proof switchboard-cord. No. 1,214,830; Feb. 6; v. 235; p. 120.
- Rupert, Edward A., Aberdeen, Wash. Film-case. No. 1,231,945; July 3; v. 240; p. 137.
- Rupf, Frank E., Hartford, Conn., assignor to Royal Type-writer Company, Inc., New York, N. Y. Machine for testing the adjustment of type of type-writing machines. No. 1,216,611; Feb. 20; v. 235; p. 840.
- Rüping, Max, Berlin, Germany. Wooden dowel. No. 1,229,528; June 12; v. 239; p. 439.
- Rupp, Edgar B., Kittanning, Pa. Luggage-carrier. No. 1,221,909; Apr. 10; v. 237; p. 349.
- Rupp, Laurente, New York, N. Y. Beater or mixer. No. 1,243,982; Oct. 23; v. 243; p. 896.
- Ruprecht, Charles C., Midway, Fla. Rectifying device. No. 1,222,803; Apr. 17; v. 237; p. 704.
- Ruprecht, Charles C., Midway, Fla. Separating apparatus. No. 1,222,804; Apr. 17; v. 237; p. 705.
- Ruprecht, Charles C., Midway, Fla. Electrolytic rectifier. No. 1,223,114; Apr. 17; v. 237; p. 810.
- Rupright, Frederick E., assignor of one-half to W. Pennington, Interlochen, Mich. Igniter and valve mechanism. No. 1,225,681; May 8; v. 238; p. 592.
- Rupright, Frederick E., assignor of one-half to W. Pennington, Interlochen, Mich. Charge-forming device. No. 1,227,546; May 22; v. 238; p. 1299.
- Rusby, Joseph H., Nutley, N. J. Electric switch. No. 1,228,052; May 29; v. 238; p. 1502.
- Rusby, Joseph H., Nutley, N. J. Extension-drill. No. 1,246,326; Nov. 13; v. 244; p. 384.
- Russell, William J. (See Humphrey and Russell.)
- Rush, Chris C., Greenville, S. C. Display-rack. No. 1,241,768; Oct. 2; v. 243; p. 95.
- Rush, Henry G. (See Knight, Frank H., assignor.)
- Rush, Walter S., New York, N. Y. Ship's-order transmitting and receiving apparatus. No. 1,221,222; Apr. 3; v. 237; p. 79.
- Rush, Walter S., New York, N. Y. Indicating apparatus for engines. No. 1,221,603; Apr. 3; v. 237; p. 210.
- Rush, Weaver A., Logan, Utah. Beet-topping machine. No. 1,235,843; Aug. 7; v. 241; p. 102.
- Rushmore, Samuel W., Plainfield, N. J. Controlling device for turbines. No. 1,212,816; Jan. 16; v. 234; p. 909.
- Rushmore, Samuel W., Plainfield, N. J. Engine-starting motor. No. 1,235,162; July 31; v. 240; p. 1313.
- Rushmore, Samuel W., Plainfield, N. J. Engine-starter. No. 1,235,163; July 31; v. 240; p. 1313.
- Rushton, George L., Omaha, Nebr. Scale. No. 1,211,881; Jan. 9; v. 234; p. 551.
- Rushton, Kenneth. (See Wilhelm, Walter M., assignor.)
- Rushton, Kenneth. (See Wilhelm and Rushton.)
- Rushton, Kenneth, assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Screw reverse valve mechanism for locomotives. No. 1,221,604; Apr. 3; v. 237; p. 210.
- Russ, Adolf F., Pittsburgh, Pa. Aeroplane-wing. No. 1,213,909; Jan. 30; v. 234; p. 1350.
- Russ, Adolf F., Pittsburgh, Pa. Aeroplane. No. 1,227,937; May 29; v. 238; p. 1463.
- Russ Automatic Labeling Co. (See Shults, James C., assignor.)
- Russ Company, The. (See Case, Francis M., assignor.)
- Russ, Friend A., Greenwich, and H. J. Stuart, Derby, assignors to Robert N. Bassett Company, Shelton, Conn. Hose-supporter clasp. No. 1,228,480; June 5; v. 239; p. 36.
- Russ, Harley W., Haverhill, Mass. Wood-heel-turning machine. No. 1,247,335; Nov. 20; v. 244; p. 715.
- Russ, John D., et al. (See Thompson, James V., assignor.)
- Russ, John D., Spencer, W. Va. Superheating mechanism for automobiles. No. 1,220,563; Mar. 27; v. 236; p. 1038.
- Russell, Alvin B., Brooklyn, N. Y. Paper-removing machine. No. 1,242,479; Oct. 9; v. 243; p. 361.
- Russell, Amy C., Providence, R. I. Submarine. No. 1,247,155; Nov. 20; v. 244; p. 665.
- Russell, Archer. (See Brown and Russell.)
- Russell, Arthur B., Chicago, Ill. Joint connection. No. 1,239,043; Sept. 4; v. 242; p. 103.
- Russell, Arthur L., Hyde Park, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Lasting. No. 1,217,070; Feb. 20; v. 235; p. 993.
- Russell, Burdsall & Ward Bolt and Nut Co. (See Boerner, Emile C., assignor.)
- Russell, Burdsall & Ward Bolt and Nut Company. (See Julian, David, assignor.)
- Russell, Burdsall & Ward Bolt and Nut Company. (See Rensen, Herbert D., assignor.)
- Russell, Burr C., Winfield, Kans. Grass-scorchers. No. 1,223,115; Apr. 17; v. 237; p. 810.
- Russell, Calvin L., Tulare, Cal. Hose-coupling. No. 1,212,817; Jan. 16; v. 234; p. 909.
- Russell, Calvin T. and J. N., Kinston, Ala. Insect-exterminator. No. 1,213,024; Jan. 16; v. 234; p. 982.
- Russell, Charles H. (See Mathes and Russell.)
- Russell, Charles H., Lowell, Ariz. Bed construction. No. 1,238,441; Aug. 28; v. 241; p. 1040.
- Russell, Charles L. (See Warner, Albion L., assignor.)
- Russell, Clarence H. (See Knowlton, MacCorquodale, Wyckoff, Russell, and Tooker.)
- Russell Company, The. (See Kinsley, William S., assignor.)
- Russell, Edward E., Los Angeles, and W. C. Cutler, North Glendale, Cal. Honeycomb. No. 1,238,343; Aug. 28; v. 241; p. 1009.
- Russell, Edward M., Battle Mountain, Nev. Tire-armor. No. 1,243,633; Oct. 16; v. 243; p. 753.
- Russell, Elmer L., Great Falls, Mont. Aeroplane. No. 1,238,572; Aug. 28; v. 241; p. 1083.
- Russell, Frank K. (See Edwards and Russell.)
- Russell, Frank K., assignor to F. K. Russell Machine Company, Dallas, Tex. Nut-cracking mechanism. No. 1,235,246; July 31; v. 240; p. 1339.
- Russell, Franklin H., Hollandale, Miss. Display and selling device. No. 1,227,323; May 22; v. 238; p. 1227.
- Russell, George F., Hoboken, N. J. Coin-controlled lock mechanism. No. 1,221,605; Apr. 3; v. 237; p. 210.
- Russell, George H., Florence, Ala. Flushing-valve. No. 1,221,223; Apr. 3; v. 237; p. 79.
- Russell, George H., Florence, Ala. Boll-weevil trap. No. 1,244,547; Oct. 30; v. 243; p. 1104.
- Russell, Grace E., Canon City, Colo. Making dolls. No. 1,250,025; Dec. 11; v. 245; p. 492.
- Russell Grader Manufacturing Co. (See Anderson, Axel, assignor.)
- Russell, Guy M., Rochester, assignor to American Piano Company, New York, N. Y. Tracking device for automatic musical instruments. No. 1,245,126; Oct. 30; v. 243; p. 1279.
- Russell, Guy M., Rochester, assignor to American Piano Company, New York, N. Y. Player-piano action. No. 1,250,667; Dec. 18; v. 245; p. 722.
- Russell, Harvey J., North Bend, Oreg. Automatic control means for air-pressure pumps. No. 1,229,792; June 12; v. 239; p. 526.
- Russell, Henry N. (See MacCurdy, John T., assignor.)
- Russell, John D. (See Connally and Russell.)
- Russell, John N. (See Russell, Calvin T. and J. N.)
- Russell, John R., Coalgate, Okla. Non-refillable bottle. No. 1,249,834; Dec. 11; v. 245; p. 438.
- Russel, Joseph, St. Louis, Mo. Shoe-cleaner. No. 1,225,502; May 8; v. 238; p. 532.
- Russell, Joseph B., Chicago, Ill. Automatic ball-racking device for billiard-tables. No. 1,227,833; May 29; v. 238; p. 1428.
- Russell, Joseph W., Chicago, Ill. Vehicle-top. No. 1,249,208; Dec. 4; v. 245; p. 225.

- Russell, Leon L., New Rockford, N. D. Valve. No. 1,232,849; July 10; v. 240; p. 467.
- Russell, Leon L., New Rockford, N. D. Explosion-motor. No. 1,247,156; Nov. 20; v. 244; p. 665.
- Russell, Leroy E., Deposit, N. Y. Heating-furnace. No. 1,215,199; Feb. 6; v. 235; p. 250.
- Russell, Loren M. (See Van Dolsen, Emmet L., assignor.)
- Russell Manufacturing Company, The. (See Fisher, William C., assignor.)
- Russell Manufacturing Company, The. (See Krenz, Rudolph, assignor.)
- Russell Mfg. Co. (See Reed, Albert G., assignor.)
- Russell, Milton A. (See Luke, Russell, Kennedy, and Anderson.)
- Russell, Motie L., *et al.* (See Taylor, Silas L. O., assignor.)
- Russell, Neva-Rae, University Place, Nebr. Game-cards. No. 1,234,393; July 24; v. 240; p. 1041.
- Russell, Oliver A., Windsor, Vt. Trace-fastener. No. 1,224,023; Apr. 24; v. 237; p. 1158.
- Russell, Parlee H., Van Buren, Ohio. Vehicle-jack. No. 1,223,618; Apr. 24; v. 237; p. 1017.
- Russell, Percy, Brooklyn, N. Y., assignor to Electro Dental Manufacturing Company, Philadelphia, Pa. Switch for dental instruments. No. 1,242,115; Oct. 2; v. 243; p. 205.
- Russell, Percy, Brooklyn, N. Y., F. J. Sepas, Philadelphia, and E. B. Wilford, Merion borough, assignors to Electro Dental Manufacturing Company, Philadelphia, Pa. Air-heater. No. 1,227,324; May 22; v. 238; p. 1228.
- Russell, Richard. (See McRae and Russell.)
- Russell, Richard L. (See Sanborn and Russell.)
- Russell, Robert C., assignor of seven-eighths to J. C. Ledbetter, Dallas, Tex. Silent self-adjusting push-rod. No. 1,248,405; Nov. 27; v. 244; p. 1053.
- Russell, Robert M., Boulevard Miranda, near Sydney, New South Wales, Australia. Animal drinking-fountain. No. 1,218,899; Mar. 13; v. 236; p. 392.
- Russell, Silas B., assignor to Parker-Russell Mining & Manufacturing Company, St. Louis, Mo. Charging-lorry. No. 1,234,221; July 24; v. 240; p. 984.
- Russell, Silas B., assignor to Parker-Russell Mining & Manufacturing Company, St. Louis, Mo. Recuperative furnace. No. 1,251,426; Dec. 25; v. 245; p. 996.
- Russell, Thomas N., assignor to Chicago-Cleveland Car Roofing Company, Chicago, Ill. Car-roof. No. 1,236,211; Aug. 7; v. 241; p. 221.
- Russell, William, London, England, assignor to The Dorr Company, Denver, Colo. Apparatus for separating solids from liquids. No. 1,214,593; Feb. 6; v. 235; p. 38.
- Russell, William A., Yonkers, N. Y. Floor or ceiling plate. No. 1,249,209; Dec. 4; v. 245; p. 225.
- Russell, William F., Bourbon, Ind. Lightning-rod connector. No. 1,216,170; Feb. 13; v. 235; p. 633.
- Russell, William H. (See Tansley and Russell.)
- Russell, William R., Portland, Mich. Upholstering-press. No. 1,230,605; June 19; v. 239; p. 833.
- Russell, Zachary E., assignor to C. W. Warren, Sauk Rapids, Minn. Curtain-anchoring device. No. 1,225,060; May 8; v. 238; p. 332.
- Russey, Edward W., Seymour, Tex., H. J. and J. R. Coyle, Huntsville, Ala.; said H. J. Coyle and J. R. Coyle assignors of one-sixth of the entire right to said Russey. Vehicle-tire. No. 1,215,414; Feb. 13; v. 235; p. 358.
- Russo, John, Fitchburg, Mass. Sectional track. No. 1,241,769; Oct. 2; v. 243; p. 95.
- Rust, Charles, Yonkers, N. Y. Painting apparatus. No. 1,217,071; Feb. 20; v. 235; p. 994.
- Rust, Edwin G., Sioux City, Iowa. Folding parcel-carrier. No. 1,218,702; Mar. 13; v. 236; p. 320.
- Rusterholz, Eugene, West Hoboken, N. J. Fabric-cutting machine. No. 1,246,327; Nov. 13; v. 244; p. 384.
- Rustige, Frans J. H., Stockholm, Sweden. Fire-extinguishing system. No. 1,241,664; Oct. 2; v. 243; p. 63.
- Rustin, Rufus W., Bishopville, S. C. Process of and apparatus for separating cotton-seed hulls and meats. No. 1,226,263; May 15; v. 238; p. 837.
- Rusz, Martin. (See Kiss, Andreas, assignor.)
- Rutan, William, assignor to Gillis & Geoghegan, New York, N. Y. Hoisting-bucket. No. 1,219,402; Mar. 13; v. 236; p. 563.
- Rutherford, Frank H., Chicago, Ill. Headlight for vehicles. No. 1,213,269; Jan. 23; v. 234; p. 1099.
- Rutherford, John A., Great Falls, Mont. Explosion-engine tractor. No. 1,215,581; Feb. 13; v. 235; p. 421.
- Rutherford, Norman F., East Falmouth, Mass. Electrical system. No. 1,238,573; Aug. 28; v. 241; p. 1083.
- Rutherford, Richard A., Brooklyn, N. Y. Telephone-booth door. No. 1,221,910; Apr. 10; v. 237; p. 350.
- Ruthrauff, William M., Chicago, Ill. Dentifrice. No. 1,222,144; Apr. 10; v. 231; p. 430.
- Ruthrauff, William M., Chicago, Ill. Dentifrice. No. 1,225,362; May 8; v. 238; p. 486.
- Ruthven, Albert F., Kansas City, Mo. Pneumatic tire. No. 1,215,717; Feb. 13; v. 235; p. 470.
- Rutledge, Floyd W., Florence, S. C. Combined garment-box and wardrobe. No. 1,238,344; Aug. 28; v. 241; p. 1009.
- Rutledge, James E., *et al.* (See Cabanne, Charles G., assignor.)
- Rutquist, Axel L., Wallace, Idaho. Rafter-miter. No. 1,236,486; Aug. 14; v. 241; p. 339.
- Ruttan, Alfred A., assignor to Eastman Kodak Company, Rochester, N. Y. Method of and apparatus for marking photographic material. No. 1,236,007; Aug. 7; v. 241; p. 157.
- Ruttan, Alfred A., and C. E. Hutchings, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic-film pack. No. 1,219,588; Mar. 20; v. 236; p. 658.
- Ruttan, Alfred A., and C. E. Hutchings, assignors to Eastman Kodak Company, Rochester, N. Y. Latch mechanism for folding cameras. No. 1,225,861; May 15; v. 238; p. 696.
- Ruttan, Alfred A., and C. E. Hutchings, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic-plate holder. No. 1,227,203; May 22; v. 238; p. 1188.
- Ruttan, Alfred A., and C. E. Hutchings, assignors to Eastman Kodak Company, Rochester, N. Y. Focusing mechanism for cameras. No. 1,227,675; May 29; v. 238; p. 1373.
- Rutter, Thomas H. (See Dick, Rutter, and Lewis.)
- Rutter, William W., Edmonton, Alberta, Canada. Pneumatic toy. No. 1,242,870; Oct. 9; v. 243; p. 486.
- Rutz, Arnold O., Milwaukee, Wis. Valve. No. 1,227,078; May 22; v. 238; p. 1146.
- Rutz, Arnold O., Milwaukee, Wis. By-pass valve. No. 1,242,245; Oct. 9; v. 243; p. 287.
- Rutz, Arnold O., Milwaukee, Wis. Combined simmerer and flash-igniter for gas-stoves. No. 1,251,112; Dec. 25; v. 245; p. 903.
- Rutz, Julius F. (See Frank, Herman, assignor.)
- Rutzen, August C., Cleveland, Ohio. Combined support and camera. No. 1,246,328; Nov. 13; v. 244; p. 385.
- Ruud, Edwin, Pittsburgh, Pa., and H. S. Humphrey, Kalamazoo, Mich., assignors to Ruud Manufacturing Company, Pittsburgh, Pa. Water valve for instantaneous water-heaters. No. 1,247,157; Nov. 20; v. 244; p. 666.
- Ruud Manufacturing Company. (See Bibb, George F., assignor.)
- Ruud Manufacturing Company. (See Ruud and Humphrey, assignors.)
- Ruysdael, Basil, New York, N. Y. Opening device for wrapped boxes. No. 1,221,911; Apr. 10; v. 237; p. 350.
- Ruzicka, Charles, Gravesend, England. Electrical resistance material. No. 1,246,165; Nov. 13; v. 244; p. 335.
- Ruzicka, Jerome, and D. L. Grantham, Lankin, N. D. Air-valve attachment. No. 1,236,111; Aug. 7; v. 241; p. 187.
- Ruzyski, Joseph E., Holyoke, Mass. Portable army-shield. No. 1,246,662; Nov. 13; v. 244; p. 485.
- Ryack, Joseph, *et al.* (See Ettinger, Samuel N., assignor.)
- Ryall, Albert U. B. (See Beldam and Ryall.)
- Ryan, Charles A., Marion, N. Y. Screw-driver. No. 1,229,793; June 12; v. 239; p. 527.
- Ryan, Edward, Chicago, Ill., assignor to Locomotive Stoker Company, Pittsburgh, Pa. Locomotive-tender. No. 1,233,710; July 17; v. 240; p. 784.
- Ryan, Edward J. and R. M. Custer, Wis. Compass. No. 1,248,406; Nov. 27; v. 244; p. 1053.
- Ryan, Henderson, Seattle, Wash. Building construction. No. 1,241,445; Sept. 25; v. 242; p. 956.
- Ryan, James A. (See Lawn and Ryan.)
- Ryan, John F. (See Adams, Harry A., assignor.)
- Ryan, John F., Amboy, Ill. Studding-socket. No. 1,231,433; June 26; v. 239; p. 1149.
- Ryan, John H., Dayville, Conn. Washboard. No. 1,240,093; Sept. 11; v. 242; p. 462.
- Ryan, John J., Bakersfield, Cal. Safety-envelop. No. 1,232,610; July 10; v. 240; p. 389.
- Ryan, John P., Worcester, Mass. Safety device for submarine boats. No. 1,219,667; Mar. 20; v. 236; p. 686.
- Ryan, Lester P., Smithfield, Nebr. Ironing-board. No. 1,233,607; July 17; v. 240; p. 753.
- Ryan, Louis L., assignor to The Royal Equipment Company, Bridgeport, Conn. Semimetallic fiber sheet. No. 1,215,064; Feb. 6; v. 235; p. 205.
- Ryan, Louis P., Bloomfield, Ind. Book-holder. No. 1,237,101; Aug. 14; v. 241; p. 540.
- Ryan, Michael C., Phoenix, N. Y. Hinge. No. 1,248,407; Nov. 27; v. 244; p. 1053.
- Ryan, Michael H., San Bernardino, Cal. Safety-valve for air-brakes. No. 1,229,325; June 12; v. 239; p. 370.
- Ryan, Nellie, Buena Park, Cal. Calendar. No. 1,230,037; June 12; v. 239; p. 604.
- Ryan, Patrick, New York, N. Y. Apparatus for taking and preserving finger-print impressions. No. 1,251,113; Dec. 25; v. 245; p. 903.
- Ryan, Robert L. (See Fox, Ryan, and Sawyer.)
- Ryan, Robert M. (See Ryan, Edward J. and R. M.)
- Ryan, Thomas B., New Bedford, Mass. Valve-lock. No. 1,243,558; Oct. 16; v. 243; p. 730.
- Ryan, Walter D., North Adams, Mass. System of decoration. No. 1,211,239; Jan. 2; v. 234; p. 298.
- Ryan, Walter D., North Adams, Mass. Decorative jewel. No. 1,211,240; Jan. 2; v. 234; p. 298.
- Ryan, Walter D., North Adams, Mass., assignor to General Electric Company, Illuminating apparatus. No. 1,218,476; Mar. 6; v. 236; p. 202.
- Ryan, Wilbur E., assignor of one-half to C. H. Robertson, Memphis, Tenn. Foot-accelerator for automobiles. No. 1,223,619; Apr. 24; v. 237; p. 1018.
- Ryan, William D., Mallett, New Brunswick, Canada. Hat-hanger. No. 1,222,675; Apr. 17; v. 237; p. 661.

- Rybka, John M., Radisson, Saskatchewan, Canada. Horse-detacher. No. 1,212,265; Jan. 16; v. 234; p. 715.
- Rybolt, Henry C., Kenney, Ill. Hog-chute. No. 1,213,421; Jan. 23; v. 234; p. 1153.
- Rybolt, Henry C., Kenney, Ill. Farm-gate. No. 1,219,668; Mar. 20; v. 236; p. 686.
- Ryzek, Paul A., Kelayres, Pa. Domestic implement. No. 1,248,923; Dec. 4; v. 245; p. 145.
- Ryden, Axel, assignor to Appleton Electric Company, Chicago, Ill. Conduit-hanger. No. 1,210,701; Jan. 2; v. 234; p. 113.
- Ryden, Claes, Cranston, R. I., assignor, by mesne assignments, to Universal Winding Company, Boston, Mass. Stopping mechanism for winding-machines. No. 1,223,620; Apr. 24; v. 237; p. 1018.
- Ryden, Claes, Cranston, R. I., assignor, by mesne assignments, to Universal Winding Company, Boston, Mass. Traverse mechanism for winding-machines. No. 1,248,167; Nov. 27; v. 244; p. 987.
- Ryden, John A., Madison, Wis. Treadle. No. 1,237,705; Aug. 21; v. 241; p. 771.
- Ryder, Arthur H., Brooklyn, N. Y. Reproducer or sound-box for talking-machines. No. 1,239,044; Sept. 4; v. 242; p. 103.
- Ryder, Frank P., Suspension Bridge, N. Y. Green-pea viner. No. 1,219,416; Mar. 13; v. 236; p. 568.
- Ryder, James W., assignor to Specification Soap & Oil Co., Inc., New York, N. Y. Making soft transparent sodium oil-soaps. No. 1,212,818; Jan. 16; v. 234; p. 910.
- Ryder, Ross B., Altamont, S. D. Drying-house. No. 1,213,957; Jan. 30; v. 234; p. 1366.
- Rydlewski, Celestyn, Posen, Germany. Gripping device for lift-cages. No. 1,220,992; Mar. 27; v. 236; p. 1181.
- Ryduquist, Adolph, Rochester, N. Y. Check-controlled apparatus. No. 1,226,015; May 15; v. 238; p. 748.
- Ryduquist, Adolph, Rochester, N. Y. Coin-controlled mechanism. No. 1,231,793; July 3; v. 240; p. 86.
- Ryduquist, Adolph, Rochester, N. Y. Coin-controlled vending-machine. No. 1,235,247; July 31; v. 240; p. 1339.
- Ryerson, Charles S., Detroit, Mich. Apparatus for bending pipes. No. 1,240,605; Sept. 18; v. 242; p. 660.
- Ryerson, Marie F., Montclair, N. J. Identification device. No. 1,214,222; Jan. 30; v. 234; p. 1456.
- Ryker, Jared A., Galena, Ark. Portable fence. No. 1,210,541; Jan. 2; v. 234; p. 57.
- Ryncarz, Jakob. (See Toczec and Ryncarz.)
- Ryon, Edward A., Wellsboro, Pa., assignor to Wellsboro Glass Company, Wilmington, Del. Glass-grinding machine. No. 1,251,114; Dec. 25; v. 245; p. 904.
- Ryon, Edward A., Wellsboro, Pa., assignor to Wellsboro Glass Company, Wilmington, Del. Glass-grinding machine. No. 1,251,115; Dec. 25; v. 245; p. 904.
- Ryon, Eppa H. (See Hutchins and Ryon.)
- Ryon, Eppa H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-bobbin. No. 1,220,685; Mar. 27; v. 236; p. 1079.
- Ryon, Eppa H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-detecting mechanism for looms. No. 1,220,686; Mar. 27; v. 236; p. 1079.
- Ryon, Eppa H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pile-cutter for looms. No. 1,220,687; Mar. 27; v. 236; p. 1080.
- Ryon, Eppa H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-detector for looms. No. 1,221,768; Apr. 3; v. 237; p. 265.
- Ryon, Eppa H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom controlling mechanism. No. 1,240,375; Sept. 18; v. 242; p. 590.
- Ryon, Joshua E., Desdemona, Tex. Permutation-padlock. No. 1,222,145; Apr. 10; v. 237; p. 431.
- Ryon, Tracy B., Worcester, Mass. Wire-drawing machine. No. 1,243,879; Oct. 23; v. 243; p. 866.
- Rysdon, Charles C., assignor to Badger Steel Roofing & Corrugating Company, La Crosse, Wis. Skylight. No. 1,236,008; Aug. 7; v. 241; p. 157.
- Ryther, Frank A., Chicago, Ill., assignor to International Harvester Company of New Jersey. Grain-binder. No. 1,216,368; Feb. 20; v. 235; p. 753.
- Ryther, Frank A., Chicago, Ill., assignor to International Harvester Company of New Jersey. Feed-grinder. No. 1,250,358; Dec. 18; v. 245; p. 630.
- Ryther, Mitchell E., and F. E. Hillery, Comanche, Okla. Roost. No. 1,249,202; Dec. 4; v. 245; p. 223.
- Rzeszuto, Jacob, North Chicago, Ill. Permutation-lock. No. 1,250,668; Dec. 18; v. 245; p. 722.
- S. Karpen & Bros. (See Hultgren, Charles, assignor.)
- S. Karpen & Bros. (See Karpen, Isaac, assignor.)
- S. Karpen & Bros. (See Karpen, Solomon, assignor.)
- S. Karpen & Bros. (See Peck, Edmund E., assignor.) (Reissue.)
- S. Slater & Sons. (See Taylor, George N., assignor.)
- S. Sternau & Co. (See Ball, Henry P., assignor.)
- S. A. Dean Company. (See Dean, Seward A., assignor.)
- S. A. Woods Machine Company. (See Osteman, Carl G., assignor.)
- S. D. Childs & Company. (See Duckgelschel, Henry J., assignor.)
- S. D. Warren & Company. (See Green, Arthur B., assignor.)
- S. F. Bowser & Company. (See Bowser, Allen A., assignor.)
- S. F. Hayward & Company. (See Gill, Edwin R., assignor.)
- S. H. Couch Company. (See Henry, William W., assignor.)
- S. H. Heginbottom & Sons. (See Heginbottom, Frank H., assignor.)
- S. H. Pomeroy Company. (See Fromhold, Alexander, assignor.)
- S. K. F. Ball Bearing Company. (See Fjellman, Bengt W., assignor.)
- S. K. F. Ball Bearing Company. (See Westerberg, Victor E., assignor.)
- S. M. C. Co., The. (See Saunders, Norman W., assignor.)
- S. O. & C. Co., The. (See Neuberth, Franklin G., assignor.)
- S. O. & C. Co. (See Pickles, James, assignor.)
- S-R Electric Company. (See Skinderviken, Johan, assignor.)
- S. R. Smythe Company, The. (See Smythe, Horace E., assignor.)
- S. S. Hepworth Company. (See Mackintosh, Edward D., assignor.)
- S. S. White Dental Manufacturing Company, The. (See Browne, Arthur W., assignor.)
- S. S. White Dental Manufacturing Company, The. (See Crowell, Walter S., assignor.)
- S. S. White Dental Manufacturing Company, The. (See Esterly, Augustus H., assignor.)
- S. S. White Dental Manufacturing Company, The. (See Glenn, Thomas F., assignor.)
- S. S. White Dental Manufacturing Company, The. (See Leuchering, Hermann H., assignor.)
- Saal, George A., Youngstown, Ohio. Closet-tank flush-lever. No. 1,250,026; Dec. 11; v. 245; p. 492.
- Saalfeld, Oliver B., West Hoboken, N. J., assignor to Maxim Munitions Corporation, New York, N. Y. Recoil-operated firearm. No. 1,228,827; June 5; v. 239; p. 154.
- Saari, Arvid, Crosby, Minn. Gate-latch. No. 1,242,376; Oct. 9; v. 243; p. 328.
- Saari, Samuel. (See Jamnback and Saari.)
- Sabah, Felix, Philadelphia, Pa. War-automobile. No. 1,228,603; June 5; v. 239; p. 78.
- Sabatino, John, New York, N. Y. Massage apparatus. No. 1,222,472; Apr. 10; v. 237; p. 548.
- Sabbag, Littfallah G., assignor of one-half to M. A. Metcalf, Boston, Mass. Temple device for looms. No. 1,230,792; June 19; v. 239; p. 893.
- Sabbow, Fritz, Lestershire, N. Y. Folding pipe-bench. No. 1,213,270; Jan. 23; v. 234; p. 1100.
- Sabel, Marion S., Milwaukee, Wis. Folding fruit-stand. No. 1,235,248; July 31; v. 240; p. 1339.
- Sabelberg, Thomas, Port Melbourne, Victoria, Australia. Toaster. No. 1,213,025; Jan. 16; v. 234; p. 982.
- Sabin, Jasper J., Coupeville, Wash. Mechanical toy. No. 1,214,377; Jan. 30; v. 234; p. 1512.
- Sabin, Jasper J., Coupeville, Wash. Automatic garage-door. No. 1,246,790; Nov. 13; v. 244; p. 522.
- Sabin, Lucius N., San Francisco, Cal. Roll-holder. No. 1,225,363; May 8; v. 238; p. 487.
- Sabin, William W., Portland, Oreg. Extra-tire or demountable-rim carrier for automobiles. No. 1,238,200; Aug. 28; v. 241; p. 962.
- Sabin, William W., assignor to N. B. Gregg and J. C. Harralson, Portland, Oreg. Locking device for motor-vehicles. No. 1,215,871; Feb. 13; v. 235; p. 524.
- Sabo, John, Cleveland, Ohio. Game-trap. No. 1,224,670; May 1; v. 238; p. 198.
- Sabulite (Great Britain) Limited. (See McCandlish, William H., assignor.)
- Sacek, Johann, assignor to C. H. Fischer, Charlottenburg, Germany. Electrically welding tubes. No. 1,213,422; Jan. 23; v. 234; p. 1153.
- Sachs, Joseph, Hartford, Conn. Electric switch. No. 1,211,628; Jan. 9; v. 234; p. 461.
- Sachs, Joseph, Hartford, Conn. Electric switching and meter-testing system. No. 1,211,629; Jan. 9; v. 234; p. 462.
- Sachs, Joseph, Hartford, Conn. Electric switch. No. 1,214,077; Jan. 30; v. 234; p. 1408.
- Sachs, Joseph, Hartford, Conn. Meter-testing appliance. No. 1,214,078; Jan. 30; v. 234; p. 1408.
- Sachs, Joseph, Hartford, Conn. Convertible cut-out switch. No. 1,214,079; Jan. 30; v. 234; p. 1409.
- Sachs, Joseph, Hartford, Conn. Protective casing for electric service connections and meter devices. No. 1,245,036; Oct. 30; v. 243; p. 1251.
- Sachs, Joseph, Hartford, Conn. Multiple-meter adapter. No. 1,245,037; Oct. 30; v. 243; p. 1252.
- Sachs, Joseph, Hartford, Conn. Meter-testing appurtenance. No. 1,245,038; Oct. 30; v. 243; p. 1252.
- Sachs, Joseph, assignor, by mesne assignments, to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Lamp-lock. No. 1,217,829; Feb. 27; v. 235; p. 1304.
- Sachs, Joseph, assignor, by mesne assignments, to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Lock for incandescent-lamp structures and the like. No. 1,217,830; Feb. 27; v. 235; p. 1304.
- Sachs, Joseph, assignor, by mesne assignments, to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electrical connecting member. No. 1,217,831; Feb. 27; v. 235; p. 1304.

Alphabetical list of patentees—Continued.

- Sachs, Joseph, assignor, by mesne assignments, to The Hart & Hageman Manufacturing Company, Hartford, Conn. Plug and socket connector. No. 1,220,993; Mar. 27; v. 236; p. 1182.
- Sackett, Charles E., Danbury, Conn. Agricultural implement. No. 1,211,241; Jan. 2; v. 234; p. 293.
- Sackett, Charles E., Danbury, Conn. Soil-pulverizing wheel. No. 1,230,793; June 19; v. 239; p. 894.
- Sackett, Frank V., Mount Vernon, N. Y. Sanitary drinking-cup. No. 1,245,386; Nov. 6; v. 244; p. 73.
- Sackett, John W., Jacksonville, Fla. Cutter-head for suction-dredges. No. 1,226,386; May 15; v. 238; p. 876.
- Saco-Lowell Shops. (See Goldsmith, George H., assignor.)
- Saco-Lowell Shops. (See Goldsmith, William H., Jr., assignor.)
- Sacrey, Elmer P., Philadelphia, Pa. Grinding-machine. No. 1,233,608; July 17; v. 240; p. 753.
- Sacrey, Elmer P., Philadelphia, Pa. Machine for dressing grinding-wheels. No. 1,250,359; Dec. 18; v. 245; p. 631.
- Sadler, David L., Booneville, Miss. Brush. No. 1,221,606; Apr. 3; v. 237; p. 211.
- Sadler, Luther. (See Quinliven and Sadler.)
- Sadlock, Andrew, Hopwood, Pa. Elevating-jack. No. 1,214,378; Jan. 30; v. 234; p. 1513.
- Sadovsky, Nathan, San Antonio, Tex. Printing-press gripper. No. 1,244,548; Oct. 30; v. 243; p. 1105.
- Sadtler, Philip B., Chicago, Ill. Evaporator. No. 1,246,939; Nov. 20; v. 244; p. 602.
- Sadtler, Samuel S., Springfield, Pa. Manufacture of nitrostarch. No. 1,211,761; Jan. 9; v. 234; p. 507.
- Saecker, Frank E., assignor to Appleton Machine Company, Appleton, Wis. Paper-stock shredder. No. 1,224,960; May 8; v. 238; p. 348.
- Saeger, Charles M., Jr., Palmerton, Pa. Filter-press. No. 1,232,611; July 10; v. 240; p. 389.
- Saemann, Carl. (See Bergami and Saemann.)
- Saenger, Oscar, New York, N. Y. Educational appliance. No. 1,229,142; June 5; v. 239; p. 258.
- Safe-Cabinet Company, The. (See Dick, Willis V., assignor.)
- Safe Storm Shield Company, The. (See Wensinger, Charles E., assignor.)
- Safeguard Tag Company. (See Tewksbury, Charles B., assignor.)
- Safety Block Signal Company, The. (See Williams, Frank C., assignor.)
- Safety Car Heating and Lighting Co., The. (See Bijur, Joseph, assignor.)
- Safety Car Heating and Lighting Company. (See Creveling, John L., assignor.)
- Safety Car Heating & Lighting Company. (See Dietrich, Ludwig M., assignor.)
- Safety Car Heating & Lighting Company. (See Dixon, Robert M., assignor.) (Reissue.)
- Safety Car Heating & Lighting Company. (See Hagar, Arthur P., assignor.)
- Safety Car Heating & Lighting Company, The. (See Schepmoes, Lindsley, assignor.)
- Safety Car Heating & Lighting Company, The. (See Thompson, Harrison G., assignor.)
- Safety Car Heating & Lighting Company, The. (See Vuilleumier, Rudolph, assignor.)
- Safety-First Appliances Company. (See Roth, August A., assignor.)
- Safety First Brake Shoe Co. (See Smith and Williams, assignors.)
- Safety First Filter Company. (See Schulse, Herman E., assignor.)
- Safety First Manufacturing Co. (See Posson, Fay E., assignor.)
- Safety Gas Lighter Company. (See Pomeroy, Frederick H., assignor.)
- Safety Key Tag Company, The. (See Rosenfield, Helm, and Key, assignors.)
- Safety Lock Company. (See Gross, William, assignor.)
- Safety Manufacturing Company. (See Bayne, George G., assignor.)
- Safety on Sea Company. (See Jaynes, Alfonso L., assignor.)
- Safety Railway Control Company, trustee. (See Well, Maximilian, assignor.)
- Saffian, Leon, Philadelphia, Pa. Down-spout. No. 1,213,910; Jan. 30; v. 234; p. 1350.
- Saffold, James W., Cleveland, Ohio. Boot or shoe. No. 1,219,165; Mar. 13; v. 236; p. 481.
- Saffold, Ray P. (See Moore and Saffold.)
- Safford, Charles W., Brockton, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Rack. No. 1,246,940; Nov. 20; v. 244; p. 603.
- Safford, Clarence E., assignor to American Pressweld Radiator Corporation, Detroit, Mich. Radiator. No. 1,242,984; Oct. 16; v. 243; p. 557.
- Safford, John H. (See House, Herbert E., assignor.)
- Safford, John H., Brooklyn, N. Y. Alarm system. No. 1,241,888; Oct. 2; v. 243; p. 135.
- Sage, Herbert A., Detroit, Mich. Tone-modulating shutter for phonograph-cabinets. No. 1,232,094; July 3; v. 240; p. 189.
- Sage, John E., and N. V. Borgeson, Province of Rizal, Philippine Islands. Sanitary comb. No. 1,241,286; Sept. 25; v. 242; p. 910.
- Sage, Ralph V., Columbus, Ohio. Stiffening member for car sides. No. 1,214,080; Jan. 30; v. 234; p. 1409.
- Sage, Ralph V., Philadelphia, Pa. Car end. No. 1,245,803; Nov. 6; v. 244; p. 201.
- Sagen, Bernhard, Chicago, Ill. Agricultural implement. No. 1,227,938; May 29; v. 238; p. 1464.
- Sager, Clinton M., assignor to J. H. Sager Company, Rochester, N. Y. Support for buffer-bars. No. 1,227,834; May 29; v. 238; p. 1428.
- Sager, James H., assignor to J. H. Sager Company, Rochester, N. Y. Bumper. No. 1,235,728; Aug. 7; v. 241; p. 63.
- Sager, James H., assignor to J. H. Sager Company, Rochester, N. Y. Bumper. No. 1,236,487; Aug. 14; v. 241; p. 340.
- Sagerstrom, Charles G., Chicago, Ill. Shield for icemen and others. No. 1,241,025; Sept. 25; v. 242; p. 825.
- Saginaw Plate Glass Company. (See Smith, Carlton L., assignor.)
- Sahland, F. E., et al. (See Hudson, Elmer, assignor.)
- Sahlein, Belle M., San Francisco, Cal. Portable sound-localizer. No. 1,245,514; Nov. 6; v. 244; p. 112.
- Sahm, Louis N., New York, N. Y. Pigment or filler. No. 1,242,480; Oct. 9; v. 243; p. 362.
- Saholt, Orville E., Fergus Falls, Minn. Mechanism for automatically opening and closing car-doors. No. 1,226,698; May 22; v. 238; p. 1014.
- Sailer, George D., M. H. Miller, and T. G. Stough, Jeanette, assignors to Tarentum Glass Company, Tarentum, Pa. Headlight-lens. No. 1,250,669; Dec. 18; v. 245; p. 722.
- Sailer, Joseph, Oxnard, Cal. Automatic sugar-washer and water-measurer for the same. No. 1,230,328; June 19; v. 239; p. 740.
- Sailer, Joseph, Oxnard, Cal. Beet-cutter. No. 1,230,329; June 19; v. 239; p. 740.
- Saillot, Alfred L. E. (See Chapsal and Saillot.)
- Saine, Leonard W., Atlanta, Ga. Machine for sharpening gin and other like saws. No. 1,220,894; Mar. 27; v. 236; p. 1150.
- Saino, Felix L., Memphis, Tenn. Hinge for fire-doors. No. 1,228,481; June 5; v. 239; p. 36.
- Saino, Felix L., Memphis, Tenn. Mounting for fire doors and shutters. No. 1,229,143; June 5; v. 239; p. 258.
- Saino, Felix L., Memphis, Tenn. Locking device for fire doors and shutters. No. 1,229,144; June 5; v. 239; p. 258.
- Saino, Felix L., Memphis, Tenn. Flue-stopper for fire doors and shutters. No. 1,229,145; June 5; v. 239; p. 258.
- Saint Clair, John F., Old Washington, Ohio. Connector for chains or the like. No. 1,229,146; June 5; v. 239; p. 259.
- Saiter, W. S. (See Moore, Henry F., assignor.)
- Saito, Kohel, Baltimore, Md. Egg-beater. No. 1,217,832; Feb. 27; v. 235; p. 1305.
- Sajtos, George, assignor of one-half to C. Budy, Cleveland, Ohio. Door. No. 1,221,478; Apr. 3; v. 237; p. 167.
- Sak, Wladyslaw, Chicago, Ill. Bell-operating device. No. 1,214,831; Feb. 6; v. 235; p. 120.
- Sakac, John, Cleveland, Ohio. Safety-envelop. No. 1,246,166; Nov. 13; v. 244; p. 335.
- Sakanai, Fred S., San Francisco, Cal. Nipple. No. 1,212,819; Jan. 16; v. 234; p. 910.
- Sala, Frank M., et al. (See McIntyre, William H., assignor.)
- Sala, Stanislaw, Detroit, Mich. Safety milk-bottle and mail-receptacle. No. 1,218,477; Mar. 6; v. 236; p. 203.
- Saladee, William H., assignor of one-half to R. R. Boruff, Bedford, Ind. Folding clothes-rack. No. 1,236,212; Aug. 7; v. 241; p. 221.
- Salas, Mariano J., Molo, Iloilo, Philippine Islands. Plow. No. 1,237,825; Aug. 21; v. 241; p. 808.
- Salati, Armando, Philadelphia, Pa. Collapsible seat. No. 1,246,791; Nov. 13; v. 244; p. 523.
- Salberg, Charles O., Ridgway, Pa. Sucker-rod for deep-well pumps. No. 1,246,329; Nov. 13; v. 244; p. 385.
- Sale, Archie P. (See Flowers, Malon I., assignor.)
- Salfsberg, Leroy L., assignor to Gray Plano Company, Plano, Ill. Tractor. No. 1,235,249; July 31; v. 240; p. 1340.
- Salisbury, A. (See Redmond, Charles, assignor.)
- Salisbury, Charles K., Milwaukee, Wis. Internal-combustion engine. No. 1,219,781; Mar. 20; v. 236; p. 724.
- Salisbury, Elizabeth M., Parkers Prairie, Minn. Adjustable pan for washtubs. No. 1,224,024; Apr. 24; v. 237; p. 1158.
- Salisbury, Frank W., James City, assignor to American Plate Glass Company, Kane, Pa. Portable collecting-box. No. 1,215,718; Feb. 13; v. 235; p. 470.
- Salisbury, Herbert S., Waltham, Mass. Valve mechanism. No. 1,214,223; Jan. 30; v. 234; p. 1456.
- Salisbury, Mary, Sr. (See Wilkinson, Benjamin F., assignor.)
- Salisbury, Orange J., Salt Lake City, Utah. Filter frame or leaf. No. 1,249,835; Dec. 11; v. 245; p. 438.
- Salisbury, Robert F., New Kensington, Pa. Detachable handle for utensils. No. 1,243,880; Oct. 23; v. 243; p. 866.
- Salisbury, Robert W., et al. (See Barrett, Clarence, assignor.)
- Salice, Junius F., Litchfield, Ill. Eyeglass and spectacle mounting. No. 1,242,599; Oct. 9; v. 243; p. 401.
- Salmina, Paul. (See Troy and Leonnig, assignors.)

- Salmon, John B., Dunedin, New Zealand. Manufacturing pneumatic tires. No. 1,219,163; Mar. 13; v. 236; p. 481.
- Salmon, Wilmer W., and F. L. Dodgson, Rochester, assignors to General Railway Signal Company, Gates, N. Y. Absolute permissive automatic block-signal system. (Reissue.) No. 14,326; July 10; v. 240; p. 610.
- Salmson, Emile J. J. (See Canton, Unné, and Salmson.)
- Salmson, Emile J. J., assignor to Societe Des Moteurs Salmson (Systeme Canton-Unné), Billancourt, France. Mount for magneto-distributors. No. 1,221,607; Apr. 3; v. 237; p. 211.
- Salmson, Emile J. J., assignor to Societe Des Moteurs Salmson (Systeme Canton-Unné), Billancourt, France. Contact apparatus for the electrical connection of magnetos. No. 1,224,214; May 1; v. 238; p. 35.
- Salomon, Sigmund. (See Siegel, Myer, assignor.)
- Salon, Max, et al. (See Kovacs, Alexander, assignor.)
- Salsman, Walter E., assignor of one-tenth to L. Crabtree, Mountain View, Mo. Rail-joint. No. 1,238,442; Aug. 28; v. 241; p. 1041.
- Salt, Gerald C., Victoria, British Columbia, Canada. Clutch control. No. 1,226,118; May 15; v. 238; p. 783.
- Salt Lake Stamp Co. (See Schaub, Jacob, assignor.)
- Salt Union, The. (See Chadwick and Hollingshead, assignors.)
- Salter, Conway, Angus, Tex. Figure-toy. No. 1,237,390; Aug. 21; v. 241; p. 670.
- Salter, Edmond A., Provencal, assignor of one-half to E. H. Holder, Cypress, La. Railway cross-tie. No. 1,225,503; May 8; v. 238; p. 532.
- Salter, Edmond A., Cypress, assignor of one-half to C. M. Pharis, Natchitoches, La. Boll-weevil exterminator. No. 1,250,516; Dec. 18; v. 245; p. 678.
- Salter, Edward A., North Rose, N. Y. Trimming or snipping machine. No. 1,230,227; June 19; v. 239; p. 707.
- Salthouse, Laura A., Cuyahoga Falls, Ohio. Safety lamp-chimney and holder. No. 1,218,703; Mar. 13; v. 236; p. 820.
- Saltors, Reuben H., Ensley, Ala. Self-turning light for rolling stock. No. 1,217,072; Feb. 20; v. 235; p. 994.
- Salt's Textile Manufacturing Company, The. (See Schneider, Willy, assignor.)
- Salvas, Andrew J., Franklin, N. J. Fountain tooth-brush. No. 1,236,878; Aug. 14; v. 241; p. 467.
- Salvatierra-Iriarte, Cipriano, Madrid, Spain. Skeleton frame for armored concrete posts or masts. No. 1,215,872; Feb. 13; v. 235; p. 525.
- Salvatore, Pasquale, New Haven, Conn. Padlock. No. 1,246,472; Nov. 13; v. 244; p. 429.
- Salzer, Arthur, New York, N. Y. Illuminated toy balloon and lighting effect. No. 1,229,794; June 12; v. 239; p. 527.
- Salzman, Adolph, et al. (See Gallet, Maurice, assignor.)
- Salzman, Fred, et al. (See Gallet, Maurice, assignor.)
- Sam Meyers & Company. (See Meyers, Samuel L., assignor.)
- Samesreuther, Richard, Dusseldorf, assignor of one-half to Autogenwerk Sirius, Gesellschaft mit beschränkter Haftung, Dusseldorf-Eller, Germany. Flux for welding nickel and nickel alloy. No. 1,224,418; May 1; v. 238; p. 110.
- Sammons, C. R., et al. (See Icenhour, Albert A., assignor.)
- Sammons, James H., A. C. Headley, C. J. Elland, and E. K. Headley, Myrtlewood, Ala. Log-turner. No. 1,245,387; Nov. 6; v. 244; p. 73.
- Samples, William P. (See Vaughn and Samples.)
- Sampson, Carlos E., Shale, Cal. Line-spacer. No. 1,241,026; Sept. 25; v. 242; p. 825.
- Sampson, Charles A., Radcliffe, Iowa. Wire-base mousetrap. No. 1,217,073; Feb. 20; v. 235; p. 994.
- Sampson, Erick G., and G. Johnson, assignors to The Art Metal Construction Company, Jamestown, N. Y. Suspension device for drawers. No. 1,227,939; May 29; v. 238; p. 1464.
- Sampson, Henry C., San Francisco, and A. F. Farman, Oakland, Cal. Emergency-rim. No. 1,232,981; July 10; v. 240; p. 511.
- Sampson, Robert W., Whitestone, N. Y. Stopper. No. 1,239,225; Sept. 4; v. 242; p. 162.
- Sampson, Robert W., Melba, Whitestone, N. Y., assignor of one-half to L. Schwab, East Orange, N. J. Tire-plug. No. 1,215,582; Feb. 13; v. 235; p. 421.
- Sampson, Robert W., Melba, Whitestone, N. Y., assignor of one-half to L. Schwab, East Orange, N. J. Tire-plug. No. 1,215,719; Feb. 13; v. 235; p. 471.
- Sampson, Robert W., Whitestone, N. Y., assignor of one-half to L. Schwab, East Orange, N. J. Tire-plug. No. 1,221,479; Apr. 3; v. 237; p. 168.
- Sampson, Robert W., Whitestone, N. Y., assignor of one-half to L. Schwab, East Orange, N. J. Tire-plug. No. 1,221,912; Apr. 10; v. 237; p. 350.
- Sampson, Willis Q., et al. (See Lind, James A., assignor.)
- Sams, Albert J., Pittsburg, Kans. Hub-plate. No. 1,226,119; May 15; v. 238; p. 784.
- Sams, Albert J., Fort Scott, Kans. Automatically face-lubricated driving-box. No. 1,235,844; Aug. 7; v. 241; p. 103.
- Sams, Albert J., Chicago, Ill. Grease-cellar. No. 1,236,879; Aug. 14; v. 241; p. 467.
- Samson Electric Company. (See Francis, John C., assignor.)
- Samson Electric Company. (See Thomson and Michaelsen, assignors.)
- Samson, Frederick H., Denver, Colo. Sanitary floor-drain. No. 1,211,966; Jan. 9; v. 234; p. 584.
- Samuel C. Tatum Company, The. (See Dom, Alexander, assignor.)
- Samuel Cupples Envelope Company. (See Vierengel, Matthew, assignor.)
- Samuel Fox & Company Limited. (See Thickett and Hawksworth, assignors.)
- Samuel Hart & Company. (See Kahn, Jacob J., assignor.)
- Samuel, Howard H., et al. (See Guy, George E., assignor.)
- Samuel J. Shimer & Sons. (See Shimer, Elmer S., assignor.)
- Samuel M. Langston Company. (See Langston, Samuel M., assignor.)
- Samuel, Walter H., et al. (See Guy, George E., assignor.)
- Samuel Ward Manufacturing Company. (See Moore, Morris W., assignor.)
- Samuel, Wilfred S., London, England. Talking-machine. No. 1,239,305; Sept. 4; v. 242; p. 188.
- Samuels, Mark J., New York, N. Y. Phonograph. No. 1,219,164; Mar. 13; v. 236; p. 481.
- Samuelson, Frederick, Rugby, England, assignor to General Electric Company. Power-generating plant. No. 1,215,200; Feb. 6; v. 235; p. 250.
- San Diego Consolidated Gas and Electric Co. (See Jackson, Van Buren, assignor.)
- San Diego Consolidated Gas and Electric Co. (See Klauber and Cavell, assignors.)
- Sanborn, Francis N., and R. L. Russell, Brooklyn, N. Y., assignors to Sanborn-Russell Construction Company, Incorporated. Garbage-incinerator. No. 1,236,986; Aug. 14; v. 241; p. 503.
- Sanborn, George O., Seattle, Wash. Collar. No. 1,220,895; Mar. 27; v. 236; p. 1150.
- Sanborn, George O., Los Angeles, Cal. Helmet-hood. No. 1,235,927; Aug. 7; v. 241; p. 131.
- Sanborn, Percy G. (See Hesse and Sanborn.)
- Sanborn-Russell Construction Company. (See Sanborn and Russell, assignors.)
- Sanburn, Willis H., Springfield, assignor to Strathmore Paper Company, Milfaineague, Mass. Paper-sizing apparatus. No. 1,240,154; Sept. 11; v. 242; p. 481.
- Sanchez de Haro, Emilio. (See Gomez, Gines P., assignor.)
- Sand, Chris and L., Kirkland, Wash. Feed-weighing device for live stock. No. 1,247,158; Nov. 20; v. 244; p. 666.
- Sand, Louis. (See Sand, Chris and L.)
- Sand, Martin, Grygla, Minn. Drive-gearing for tractors. No. 1,224,109; Apr. 24; v. 237; p. 1187.
- Sand, Oscar S., Goodridge, Minn. Gate-actuating mechanism. No. 1,214,594; Feb. 6; v. 235; p. 39.
- Sandage, Jacob R., assignor to Upton Machine Company, St. Joseph, Mich. Toy rifle. No. 1,226,016; May 15; v. 238; p. 749.
- Sandalin, Samuel. (See Thigpen, Kit V., assignor.)
- Sandberg, Henry J. (See Vivic and Sandberg.)
- Sandbo, Anton I., Rock Island, Ill. Engine-starter. No. 1,229,148; June 5; v. 239; p. 259.
- Sandbo, Anton I., Rock Island, Ill. Gas-engine primer. No. 1,242,871; Oct. 9; v. 243; p. 487.
- Sandbo, Anton I., assignor of one-third to H. W. Dammann and one-third to W. Dammann, Rock Island, Ill. Starting device for internal-combustion engines. No. 1,229,147; June 5; v. 239; p. 259.
- Sande, Linus J., Grand Forks, N. D. Automatic rewinding device for stenotype-note holders. No. 1,248,017; Nov. 27; v. 244; p. 944.
- Sande, Nels H., Scarville, Iowa. Store-shelf. No. 1,213,026; Jan. 16; v. 234; p. 983.
- Sandefur, Samuel H., Cherryvale, Kans. Churn. No. 1,243,634; Oct. 16; v. 243; p. 753.
- Sandelius, Eric. (See Holmberg and Sandelius.)
- Sandell, Henry K., assignor to H. S. Mills, Chicago, Ill. Commutator-brush. No. 1,222,999; Apr. 17; v. 237; p. 771.
- Sandell, Henry K., assignor to H. S. Mills, Chicago, Ill. Means for rectifying alternating current for Edison three-wire distribution system. No. 1,223,000; Apr. 17; v. 237; p. 771.
- Sandell, Henry K., assignor to H. S. Mills, Chicago, Ill. Alloy bearing. No. 1,223,001; Apr. 17; v. 237; p. 772.
- Sandell, Henry K., assignor to H. S. Mills, Chicago, Ill. Metal composition. No. 1,223,002; Apr. 17; v. 237; p. 772.
- Sandell, Henry K., assignor to H. S. Mills, Chicago, Ill. Rectifier. No. 1,238,443; Aug. 28; v. 241; p. 1041.
- Sandell, Henry K., assignor to H. S. Mills, Chicago, Ill. Rectifier. No. 1,242,600; Oct. 9; v. 243; p. 401.
- Sandell, Henry K., assignor to H. S. Mills, Chicago, Ill. Rectifier and the motor thereof. No. 1,242,601; Oct. 9; v. 243; p. 402.
- Sandell, Henry K., assignor to H. S. Mills, Chicago, Ill. Commutator-section of cast alloy. No. 1,248,924; Dec. 4; v. 245; p. 145.
- Sandell, Henry K., assignor to H. S. Mills, Chicago, Ill. White metal alloy. No. 1,248,925; Dec. 4; v. 245; p. 145.
- Sandell, John P., Chicago, Ill. Combined chair and table. No. 1,218,322; Mar. 6; v. 236; p. 152.
- Sandell, John P., Chicago, Ill. Combined divan and bed. No. 1,228,604; June 5; v. 239; p. 78.

Alphabetical list of patentees—Continued.

- Sander, Henry C., Newark, N. J. Machine for slicing meat, vegetables, &c. No. 1,240,261; Sept. 18; v. 242; p. 555.
- Sander, Joseph P., assignor to The Spokane Mail Equipment Company, Spokane, Wash. Mail-bag-supporting mechanism. No. 1,228,605; June 5; v. 239; p. 79.
- Sander, Joseph P., Spokane, Wash., assignor to The Spokane Mail Equipment Company. Mail-bag-retainer mechanism. No. 1,231,434; June 26; v. 239; p. 1149.
- Sander, Wilhelm, Zurich, Switzerland. Abrading-machine. No. 1,241,027; Sept. 25; v. 242; p. 825.
- Sanders, C. J. (See Lotz and Sanders, assignors.)
- Sanders, Charles. (See Kusterer and Sanders.)
- Sanders, Charles B., Montclair, N. J., assignor to The Union Bag & Paper Company, New York, N. Y. Bag-machine. No. 1,249,509; Dec. 11; v. 245; p. 343.
- Sanders, Charles B., Montclair, N. J., assignor to The Union Bag & Paper Company, New York, N. Y. Making paper bags. No. 1,249,510; Dec. 11; v. 245; p. 344.
- Sanders, Clyde R., Georgetown, Mass. Wood-heel-grooving machine. No. 1,213,271; Jan. 23; v. 234; p. 1100.
- Sanders, Della L., et al. (See Fardon, Charles C., assignor.)
- Sanders, Edward, et al. (See Green, Douglas B., assignor.)
- Sanders, Emerson E., Chattanooga, Tenn. Automatic adjustable headlight. No. 1,235,058; July 31; v. 240; p. 1283.
- Sanders, Floyd A., et al. (See Fardon, Charles C., assignor.)
- Sanders, Guy V. (See Fuller, William H., assignor.)
- Sanders, James M., Keynusham, near Bristol, England. Rotary engine. No. 1,220,688; Mar. 27; v. 236; p. 1080.
- Sanders, James M., Keynusham, near Bristol, England. Vehicle-spring. No. 1,247,578; Nov. 20; v. 244; p. 784.
- Sanders, Jesse L. (See Lotz and Sanders.)
- Sanders, John F., assignor to O. P. Coshow, Roseburg, Oreg. Electrode for generating pure oxygen. No. 1,218,584; Mar. 6; v. 236; p. 240.
- Sanders, John F., assignor to O. P. Coshow, Roseburg, Oreg. Galvanic cell. No. 1,243,111; Oct. 16; v. 243; p. 597.
- Sanders, John T., Rosser, Tex. Sulky-plow. No. 1,224,025; Apr. 24; v. 237; p. 1158.
- Sanders, Leo, et al. (See Green, Douglas B., assignor.)
- Sanders, Louis M., East Orange, N. J., assignor to A. F. Meisselbach & Brothers. Throw-off mechanism for fishing-reels. No. 1,228,606; June 5; v. 239; p. 79.
- Sanders, Newell, Chattanooga, Tenn. Wheel-plow. No. 1,218,003; Mar. 6; v. 236; p. 40.
- Sanders, Newell, and M. Lundine, Chattanooga, Tenn.; said Lundine assignor to said Sanders. Wheel-plow. No. 1,233,129; July 10; v. 240; p. 558.
- Sanders, Peter W., Belleville, N. J. Crutch. No. 1,225,364; May 8; v. 238; p. 487.
- Sanders, William H., Bedford Hills, N. Y. Combination-padlock. No. 1,219,490; Mar. 20; v. 236; p. 623.
- Sanderson, Eugene W., South Norwalk, Conn. Measuring-container. No. 1,220,689; Mar. 27; v. 236; p. 1081.
- Sanderson, Harvey L., Chewelah, Wash. Floor-laying tool. No. 1,239,306; Sept. 4; v. 242; p. 188.
- Sanderson, Silas E., Town Creek, Ala. Shock-absorber. No. 1,249,210; Dec. 4; v. 245; p. 226.
- Sandeson, James E., Danville, Ill. Engine-starter. No. 1,246,941; Nov. 20; v. 244; p. 603.
- Sandford, Charles, Sr., assignor of one-half to C. Henderson, Madoc, Ontario, Canada. Lock. No. 1,250,027; Dec. 11; v. 245; p. 493.
- Sandford, Joseph A., Jr., assignor to The R. Thomas and Sons Company, East Liverpool, Ohio. Electric-cable attachment. No. 1,215,201; Feb. 6; v. 235; p. 251.
- Sandham, John. (See Sandham, Ralph R., assignor.)
- Sandham, Ralph R., assignor of one-half to J. Sandham, Harlan, Iowa. Hand-stamp. No. 1,227,204; May 22; v. 238; p. 1188.
- Sandhoff, John. (See Greene, Clayton F., assignor.)
- Sandholzer, Henry R., Richmond Hill, N. Y. Snap-Fastener. No. 1,229,795; June 12; v. 239; p. 527.
- Sandilands, G. W. (See Guerrero, Viosca, and Gaxiola, assignors.)
- Sandlant, Thomas, Masterton, New Zealand. Composition for finishing and dressing leather and making same. No. 1,234,494; July 24; v. 240; p. 1074.
- Sandler, Louis, Baltimore, Md. Shoe. No. 1,246,942; Nov. 20; v. 244; p. 603.
- Sandman, Fred H. (See Boll and Kempthorne, assignors.)
- Sandor, Kutor, Cleveland, Ohio. Garment-hanger. No. 1,232,612; July 10; v. 240; p. 390.
- Sandow, Eugen, London, England. Dumb-bell. No. 1,229,658; June 12; v. 239; p. 483.
- Sandreuter, Stuart, Stamford, Conn. Interrupter. No. 1,224,570; May 1; v. 238; p. 163.
- Sands, Albert E. (See Boynton and Sands.)
- Sands, Nathan B., Baltimore, Ohio. Relief-valve. No. 1,214,595; Feb. 6; v. 235; p. 39.
- Sands, Walter. (See Flagstad and Sands.)
- Sandstrom, John, Adams, N. D. Punching-machine. No. 1,245,388; Nov. 6; v. 244; p. 73.
- Sandstrom, Robert. (See Benson and Sandstrom.)
- Sandt, Max, assignor to Dürkoppwerke Aktiengesellschaft, Bielefeld, Germany. Zigzag-embroidery-sewing machine. No. 1,220,994; Mar. 27; v. 236; p. 1182.
- Sandusky Foundry and Machine Company. (See Mills-paugh, William H., assignor.)
- Sandvall, John G. (See Anderson, Carl J., assignor.)
- Sandvoss, Hermann, Heidelberg, Germany. Thermostatic regulator. No. 1,243,112; Oct. 16; v. 243; p. 598.
- Sandvoss, Hermann, Heidelberg, assignor to Strebelswerk, Gesellschaft mit beschränkter Haftung, Mannheim, Germany. Thermostatic regulator. No. 1,234,573; July 24; v. 240; p. 1099.
- Sandwich Manufacturing Co. (See Southwich, Plin C., assignor.)
- Sandwich, William P. (See Brazil, David H., assignor.)
- Sandy, Joseph, Minneapolis, Minn. Equalizing spring suspension for vehicles. No. 1,236,767; Aug. 14; v. 241; p. 434.
- Sanford, Ace, Dadeville, Ala. Seed-planter. No. 1,216,171; Feb. 13; v. 235; p. 633.
- Sanford, Alfred C., Grangeville, Idaho. Threshing-machine. No. 1,241,028; Sept. 25; v. 242; p. 825.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Electric candlestick. No. 1,222,676; Apr. 17; v. 237; p. 661.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Molding apparatus for glass candlesticks. No. 1,236,606; Aug. 14; v. 241; p. 378.
- Sanford, Arthur W. (See Arndt and Sanford.)
- Sanford, Charles E., New York, N. Y. Balance-wheel poisoning and truing machine. No. 1,228,053; May 29; v. 238; p. 1503.
- Sanford, Charles L., assignor to Sanford Manufacturing Company, Washington, Pa. Flying-machine. No. 1,228,054; May 29; v. 238; p. 1503.
- Sanford, Henry H., assignor to New Method Stove Company, Mansfield, Ohio. Stove. No. 1,227,676; May 29; v. 238; p. 1373.
- Sanford, Hugh W., Knoxville, Tenn. Spring. No. 1,217,507; Feb. 27; v. 235; p. 1193.
- Sanford, Hugh W., Knoxville, Tenn. Wheel construction. No. 1,250,229; Dec. 18; v. 245; p. 592.
- Sanford, Leslie W. (See Tweeddale, Daniel E., assignor.)
- Sanford Manufacturing Company. (See Sanford, Charles L., assignor.)
- Sanford, Milton L. (See Jenkins, William E., assignor.)
- Sanford, Thurlow E., and F. Jackson, Milan, Mich. Fishing-boat. No. 1,243,881; Oct. 23; v. 243; p. 866.
- Sanford, William L., Clayton, Wis. Pump attachment. No. 1,243,113; Oct. 16; v. 243; p. 598.
- Sangamo Electric Company. (See Bard, Jacob W., assignor.)
- Sangamo Electric Company. (See Emens, Albert L., assignor.)
- Sangamo Electric Company. (See Lanphier, Robert C., assignor.)
- Sangamo Electric Company. (See White, Otis, assignor.)
- Sänger, William, Passaic, N. J., assignor, by mesne assignments, to Asbestos Slate Roofing Manufacturing Company, Incorporated. Artificial-stone slab, shingle, and plate and composition for making same. No. 1,223,834; Apr. 24; v. 237; p. 1094.
- Sanispoon Company, The. (See Jacoby, Leo D., assignor.)
- Sanitary Pulp Products Company. (See Ayerst, Harry C., assignor.)
- Sanitary Refrigerator & Heater Company. (See Layman, Florence P., assignor.)
- Sanitary Seal Manufacturing Company, The. (See Braecklein, Alfred H., assignor.)
- Sanitary Spout Company. (See Miller, Emil C., assignor.)
- Saniteap Co. (See Fodor, Andrew E., assignor.)
- Sano, Shiro, Tokyo, Japan. Balancer. No. 1,237,559; Aug. 21; v. 241; p. 723.
- Sansom, Walter C., Pittsburgh, Pa. Connector for barges. No. 1,231,067; June 26; v. 239; p. 1026.
- Santa Cruz Portland Cement Company. (See Krarup, Christian, assignor.)
- Santa, Luigi, Turin, Italy. Density-regulator for the atomizing of water under pressure and of steam in lead chambers. No. 1,221,913; Apr. 10; v. 237; p. 351.
- Santel, Fred H., Albers, Ill. Hauling device. No. 1,231,794; July 3; v. 240; p. 86.
- Santicola, Quintino, Cleveland, Ohio. Salad-dressing container. No. 1,219,491; Mar. 20; v. 236; p. 623.
- Santmire, Allen D., Chicago, Ill. Baby-carriage. No. 1,228,055; May 29; v. 238; p. 1504.
- Santmyers, Washington L., Strasburg, and R. L. Hepner, Tomsbrook, Va. Expandable reamer. No. 1,217,833; Feb. 27; v. 235; p. 1305.
- Santmyers, Washington L., Strasburg, and R. L. Hepner, Tomsbrook, Va. Reamer. No. 1,217,834; Feb. 27; v. 235; p. 1305.
- Santore, Joseph, Osceola Mills, Pa. Ship-protector. No. 1,249,836; Dec. 11; v. 245; p. 439.
- Sapo, Morris, New York, N. Y. Key-ring. No. 1,219,871; Mar. 20; v. 236; p. 757.
- Sapo, Morris, New York, N. Y. Pin-clutch. No. 1,219,872; Mar. 20; v. 236; p. 757.
- Sapo, Morris, New York, N. Y. Cuff-link. No. 1,219,873; Mar. 20; v. 236; p. 757.
- Sapo, Morris, New York, N. Y. Vehicle-tire. No. 1,250,670; Dec. 18; v. 245; p. 723.
- Sapp, Isaac H., Cheyenne, Wyo. Drum-snare. No. 1,227,496; May 22; v. 238; p. 1282.
- Sapper, Charles H., Norfolk, Va. Gear-drawing instrument. No. 1,219,782; Mar. 20; v. 236; p. 725.

- Sappington, Clifford T., Frederick, Md. Rectal applicator. No. 1,218,478; Mar. 6; v. 236; p. 203.
- Saranac Machine Company. (See Craig, Edward, assignor.)
- Sargent, Alson C., Des Moines, Iowa. Mechanism for operating brakes, clutches, and the like. No. 1,246,330; Nov. 13; v. 244; p. 385.
- Sargent, Alson C., assignor to Sargent Electrical Brake Company, Des Moines, Iowa. Electric motor. No. 1,245,039; Oct. 30; v. 243; p. 1252.
- Sargent, Clarence D., Boston, Mass. Excavating-machine. No. 1,236,880; Aug. 14; v. 241; p. 468.
- Sargent & Company. (See Brooks, Julius E., assignor.)
- Sargent & Company. (See Molden, Harry, assignor.)
- Sargent & Company. (See Page, Albert A., assignor.)
- Sargent & Company. (See Page and Collins, assignors.)
- Sargent & Company. (See Raymond, Charles F., assignor.)
- Sargent & Company. (See Sargent, Edward R., assignor.)
- Sargent & Company. (See Shaw, John H., assignor.)
- Sargent & Company. (See Shipman, Evan J., assignor.)
- Sargent & Company. (See Sparks, William E., assignor.)
- Sargent & Company. (See Voight, Henry G., assignor.)
- Sargent & Company. (See Voight and Pickop, assignors.)
- Sargent, Edward R., assignor to Sargent & Company, New Haven, Conn. Casket-handle. No. 1,241,287; Sept. 25; v. 242; p. 910.
- Sargent, Edward R., assignor to Sargent & Company, New Haven, Conn. Casket-handle. No. 1,241,288; Sept. 25; v. 242; p. 910.
- Sargent Electrical Brake Company. (See Sargent, Alson C., assignor.)
- Sargent, Fitz William, Mahwah, N. J., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del. Brake-shoe. No. 1,218,704; Mar. 13; v. 236; p. 320.
- Sargent, Fitz William, Mahwah, N. J., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del. Reinforcing-back for brake-shoes. No. 1,224,503; May 1; v. 238; p. 139.
- Sargent, Frederick, and H. C. Heaton, Chicago, Ill., assignors to The Babcock & Wilcox Co., Bayonne, N. J. Apparatus for washing and utilizing waste boiler-gases. No. 1,235,928; Aug. 7; v. 241; p. 131.
- Sargent, Frederick G., Westford, assignor to C. G. Sargent's Sons Corporation, Granitville, Mass. Apron-guiding device. No. 1,227,835; May 29; v. 238; p. 1428.
- Sargent, Frederick G., Westford, assignor to C. G. Sargent's Sons Corporation, Granitville, Mass. Stock-carrier. No. 1,234,495; July 24; v. 240; p. 1074.
- Sargent & Greenleaf Company. (See Diesel, William F., assignor.)
- Sargent, Ralph N. (See Foersterling, Philipp, and Sargent.)
- Sargent, Ralph N. (See Foersterling, Sargent, and Kaufmann.)
- Sargent, Ralph N., Perth Amboy, N. J., assignor to The Roessler & Hasslacher Chemical Company, New York, N. Y. Apparatus for fumigating. No. 1,222,677; Apr. 17; v. 237; p. 661.
- Sargent, William H., assignor to Wayne Manufacturing Company, St. Louis, Mo. Operating mechanism for washing-machines. No. 1,242,727; Oct. 9; v. 243; p. 441.
- Sargent, William H., assignor to Wayne Manufacturing Company, St. Louis, Mo. Driving mechanism. No. 1,243,882; Oct. 23; v. 243; p. 867.
- Sarich, Louis G., South Chicago, Ill. Couch-platform for ships. No. 1,239,226; Sept. 4; v. 242; p. 163.
- Sarkisian, Dickran M., Forest Hills, N. Y. Heading-hook. No. 1,245,515; Nov. 6; v. 244; p. 113.
- Sarmiento, Francis J., Detroit, Mich. Universal-joint cover. No. 1,236,768; Aug. 14; v. 241; p. 434.
- Sarr, Ora E., Ceylon, Ohio. Electric boiler. No. 1,251,116; Dec. 25; v. 245; p. 905.
- Sartain, Louis M., assignor of one-tenth to G. D. Boyd, one-tenth to E. C. Shelton, one-tenth to S. D. Scott, one-tenth to W. E. Gillen, one-tenth to J. Dickerson, one-tenth to J. Woodlee, Jr., one-tenth to E. Hewson, and one-tenth to D. C. Lasater, Altamont, Tenn. Nut-lock. No. 1,217,835; Feb. 27; v. 235; p. 1305.
- Sartain, William, Haskell, Okla. Pulling device for motor-vehicles. No. 1,226,815; May 22; v. 238; p. 1056.
- Sartakoff, Jack D., New York, N. Y. Self-cleaning black-board. No. 1,227,205; May 22; v. 238; p. 1189.
- Sarver, Harry A., Parkersburg, W. Va. Antislipping device. No. 1,228,056; May 29; v. 238; p. 1504.
- Sarver, Richard S., Kansas City, Mo. Card-exhibiting device. No. 1,213,272; Jan. 23; v. 234; p. 1100.
- Sas, Elmer. (See Levay and Sas.)
- Sasgen Derrick Co. (See Sasgen and Gloor, assignors.)
- Sasgen, Michael J., and A. Gloor, assignors to Sasgen Derrick Co., Chicago, Ill. Windlass driving mechanism. No. 1,228,828; June 5; v. 239; p. 155.
- Sasiadek, Anton, Musinee, Wis. Combined lock and alarm. No. 1,243,983; Oct. 23; v. 243; p. 896.
- Sass, Henry A., assignor to The Ullman Manufacturing Company, New York, N. Y. Picture-frame. No. 1,232,095; July 3; v. 240; p. 190.
- Sass, Otto, Brooklyn, N. Y. Valve-facing device. No. 1,217,836; Feb. 27; v. 235; p. 1306.
- Sassenhoff, Ernesto, assignor to The Dr. Miles Medical Company, Elkhart, Ind. Insect-trap. No. 1,247,724; Nov. 27; v. 244; p. 861.
- Sasser, John D., Portland, Ind. Transmission-gear. No. 1,248,726; Dec. 4; v. 245; p. 89.
- Sather, Hans, St. Paul, Minn. Grain-door for cars. No. 1,212,820; Jan. 16; v. 234; p. 910.
- Sato, Ryuji, Chicago, Ill. Garment-supporter. No. 1,243,984; Oct. 23; v. 243; p. 896.
- Satow, Sadakichi. (See Takamine and Satow.)
- Satow, Sadakichi, Sendai, Japan. Vegetable proteid product and making the same. No. 1,245,975; Nov. 6; v. 244; p. 249.
- Satow, Sadakichi, Sendai, Japan. Celluloid-like substance and making the same. No. 1,245,976; Nov. 6; v. 244; p. 250.
- Satow, Sadakichi, Sendai, Japan. Artificial leather and making the same. No. 1,245,977; Nov. 6; v. 244; p. 250.
- Satow, Sadakichi, Sendai, Japan. Linoleum-like substance and process of making the same. No. 1,245,978; Nov. 6; v. 244; p. 250.
- Satow, Sadakichi, Sendai, Japan. Rubber substitute and making the same. No. 1,245,979; Nov. 6; v. 244; p. 250.
- Satow, Sadakichi, Sendai, Japan. Insulating compound and making the same. No. 1,245,980; Nov. 6; v. 244; p. 250.
- Satow, Sadakichi, Sendai, Japan. Lacquer and making the same. No. 1,245,981; Nov. 6; v. 244; p. 250.
- Satow, Sadakichi, Sendai, Japan. Lacquered product and making same. No. 1,245,982; Nov. 6; v. 244; p. 250.
- Satow, Sadakichi, Sendai, Japan. Making celluloid-like substances. No. 1,245,983; Nov. 6; v. 244; p. 250.
- Satow, Sadakichi, Sendai, Japan. Proteidai composition and making the same. No. 1,245,984; Nov. 6; v. 244; p. 250.
- Satterlee, William J., Danbury, Conn. Support or easel for picture-cards and the like. No. 1,237,560; Aug. 21; v. 241; p. 724.
- Satterquist, John, and N. C. Nelson, Jamestown, N. Y. Cake and biscuit cutter and lifter. No. 1,237,826; Aug. 21; v. 241; p. 808.
- Sattler, Hans, Sheboygan, Wis. Vibration-recorder. No. 1,240,883; Sept. 25; v. 242; p. 781.
- Saubermann, Siegmund, Berlin, Germany. Rendering liquids radio-active. No. 1,236,213; Aug. 7; v. 241; p. 221.
- Saubermann, Siegmund, Charlottenburg, Germany. Apparatus for impregnating water with radium emanations. No. 1,239,227; Sept. 4; v. 242; p. 163.
- Saucier, Charles, Minneapolis, Minn. Christmas-tree stand. No. 1,240,376; Sept. 18; v. 242; p. 591.
- Sauder, Emanuel M., Wauseon, Ohio. Front-wheel drive. No. 1,224,504; May 1; v. 238; p. 139.
- Sauer, Arthur J., and J. J. Georgi, assignors to Sauer-Georgi Manufacturing Company, Inc., Buffalo, N. Y. Piston-ring. No. 1,239,726; Sept. 11; v. 242; p. 350.
- Sauer, Frederick W., Brooklyn, N. Y. Safety-release for wringers. No. 1,239,045; Sept. 4; v. 242; p. 104.
- Sauer, Frederick W., Brooklyn, N. Y. Washing-machine. No. 1,246,943; Nov. 20; v. 244; p. 603.
- Sauer, Frederick W., Hollis Court, assignor to Home Devices Corporation, Brooklyn, N. Y. Driving mechanism for laundry apparatus. No. 1,224,961; May 8; v. 238; p. 348.
- Sauer, Frederick W., Hollis Court, assignor to Home Devices Corporation, Brooklyn, N. Y. Reversing-gearing for wringers. No. 1,224,962; May 8; v. 238; p. 349.
- Sauer, Frederick W., assignor to Home Devices Corporation, Brooklyn, N. Y. Laundry apparatus. No. 1,224,963; May 8; v. 238; p. 349.
- Sauer-Georgi Manufacturing Company. (See Sauer and Georgi, assignors.)
- Sauer, Teckla, Milwaukee, Wis. Thread-guiding device for crocheting. No. 1,235,605; Aug. 7; v. 241; p. 25.
- Sauerhering, Douglas L., Wausau, Wis. Power-tamp. No. 1,235,729; Aug. 7; v. 241; p. 63.
- Sauerman, Henry B., Chicago, Ill. Material-moving apparatus. No. 1,246,473; Nov. 13; v. 244; p. 429.
- Sauerman, John F., assignor of forty-eight one-hundredths to B. D. Schaad, Little Rock, Ark. Earth-boring machine. No. 1,241,665; Oct. 2; v. 243; p. 63.
- Saunders, Augustus M. (See Boyd and Saunders.)
- Saunders, Benjamin P., Iatan, and O. Williams, Weston, Mo. Variable-speed gearing for the reels of agricultural machinery. No. 1,241,446; Sept. 25; v. 242; p. 956.
- Saunders, Channell L., Sr., Berwick, assignor of one-half to W. T. Gilmore, Morgan City, La. Tank. No. 1,247,336; Nov. 20; v. 244; p. 716.
- Saunders, Clarence, Memphis, Tenn. Self-serving store. No. 1,242,872; Oct. 9; v. 243; p. 487.
- Saunders, Daniel G., Jr., Kansas City, Mo. Method of and apparatus for defense. No. 1,238,827; Sept. 4; v. 242; p. 34.
- Saunders, David R., deceased, St. Louis, Mo.; J. P. Newell, administrator. Ground-anchor. No. 1,244,133; Oct. 23; v. 243; p. 940.
- Saunders, David R., deceased, St. Louis, Mo.; J. P. Newell, administrator. Combined water heater and circulator. No. 1,245,985; Nov. 6; v. 244; p. 250.
- Saunders, Edwin M., Los Angeles, Cal. Plaster-bandage roller. No. 1,241,029; Sept. 25; v. 242; p. 826.
- Saunders, Emmett A., South Bend, Ind. Rubber overshoe. No. 1,239,434; Sept. 4; v. 242; p. 227.

- Saunders, Emmett A., Mishawaka, Ind., assignor to Morgan & Wright. Tire. No. 1,243,114; Oct. 16; v. 243; p. 598.
- Saunders, Frederick L., Green Bay, Wis. Boat. No. 1,226,699; May 22; v. 238; p. 1015.
- Saunders, John, Los Angeles, Cal., assignor to Smith & Marsh Incorporated, Los Angeles, Cal. Method and apparatus for producing dais and sunk-dais embossing. No. 1,243,226; Oct. 16; v. 243; p. 632.
- Saunders, John E., Edgewood borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. No. 1,216,369; Feb. 20; v. 235; p. 754.
- Saunders, Lawrence D. (See Crittenden and Saunders.)
- Saunders, Lewis E., and R. H. White, Niagara Falls, N. Y., assignors to Norton Company, Worcester, Mass. Composition containing alumina and zirconia. No. 1,240,490; Sept. 18; v. 242; p. 627.
- Saunders, Lewis E., and R. H. White, Niagara Falls, N. Y., assignors to Norton Company, Worcester, Mass. Aluminous abrasive and preparing the same. No. 1,240,491; Sept. 18; v. 242; p. 627.
- Saunders, Lewis E., and R. H. White, Niagara Falls, N. Y., assignors to Norton Company, Worcester, Mass. Aluminous abrasive. No. 1,247,337; Nov. 20; v. 244; p. 716.
- Saunders Motor Power Company. (See Saunders, Roy, assignor.)
- Saunders, Norman W., assignor to The S. M. C. Co., Inc., Detroit, Mich. Gear-shifting apparatus. No. 1,238,701; Aug. 28; v. 241; p. 1120.
- Saunders, Roy, assignor to Saunders Motor Power Company, East St. Louis, Ill. Rotary engine. No. 1,232,850; July 10; v. 240; p. 468.
- Saunders, Roy, assignor to Saunders Motor Power Company, East St. Louis, Ill. Rotary engine. No. 1,236,009; Aug. 7; v. 241; p. 157.
- Saunders, Samuel R., and A. A. Schmitz, Green Bay, Wis. Gas-hammer. No. 1,237,827; Aug. 21; v. 241; p. 808.
- Saunders, T. M. (See Anderson, Andrew, assignor.)
- Saunders, Walter J., Los Angeles, Cal. Flexible pipe connection. No. 1,214,379; Jan. 30; v. 234; p. 1513.
- Saunders, Walter S., Westfield, N. J. Temperature-indicating device for internal-combustion engines. No. 1,213,273; Jan. 23; v. 234; p. 1100.
- Saunders, Whitney W., Eyremore, Alberta, Canada. Adjustable currycomb. No. 1,222,473; Apr. 10; v. 237; p. 548.
- Saunders, William M., Evansville, Ind. Quick-detachable hose-coupling. No. 1,230,606; June 19; v. 239; p. 833.
- Saunt, William F., Lundy Island, via Instow, North Devon, England. Aerial machine. No. 1,226,599; May 15; v. 238; p. 942.
- Saupe, Firm of Ernst. (See Saupe, Georg, assignor.)
- Saupe, Georg, assignor to Firm of E. Saupe, Limbach, Germany. Flat-warp-knitting frame. No. 1,218,212; Mar. 6; v. 236; p. 113.
- Saupe, Georg, assignor to Firm of E. Saupe, Limbach, Germany. Warp-knitted fabric and making the same. No. 1,218,213; Mar. 6; v. 236; p. 114.
- Saurer, Firm of Adolph. (See Baltensweiler and Egloff, assignors.)
- Saurer, Firm of Adolph. (See Blanditi, Decenzio, assignor.)
- Saurer, Firm of Adolph. (See Eggart, Karl, assignor.)
- Saurer, Firm of Adolph. (See Eggart and Fischer, assignors.)
- Saurer, Firm of Adolph. (See Mayer and Schlatter, assignors.)
- Saurer, Firm of Adolph. (See Schlatter, Gustav, assignor.)
- Saurer, Hippolyt, Arbon, Switzerland. Apparatus for perforating jackquard-cards. No. 1,225,365; May 8; v. 238; p. 487.
- Saurusaitis, Peter, Waterbury, Conn. Altar-bread softener. No. 1,239,973; Sept. 11; v. 242; p. 428.
- Sautler, George H., Chicago, Ill. Adjustable chair. No. 1,228,249; May 29; v. 238; p. 1566.
- Savage, Herbert J., Chicago, Ill. Nutcracker. No. 1,222,330; Apr. 10; v. 237; p. 497.
- Savage, William H., New York, N. Y., assignor, by mesne assignments, to Gould Coupler Company. Slack-adjuster. No. 1,213,779; Jan. 23; v. 234; p. 1274.
- Savage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,940; May 29; v. 238; p. 1464.
- Savage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,941; May 29; v. 238; p. 1464.
- Savage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,942; May 29; v. 238; p. 1465.
- Savage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,943; May 29; v. 238; p. 1465.
- Savage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,944; May 29; v. 238; p. 1466.
- Savage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,945; May 29; v. 238; p. 1466.
- Savage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,946; May 29; v. 238; p. 1466.
- Sauvage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,947; May 29; v. 238; p. 1467.
- Sauvage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,948; May 29; v. 238; p. 1467.
- Sauvage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,949; May 29; v. 238; p. 1468.
- Sauvage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,950; May 29; v. 238; p. 1468.
- Sauvage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,951; May 29; v. 238; p. 1468.
- Sauvage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,952; May 29; v. 238; p. 1469.
- Sauvage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,953; May 29; v. 238; p. 1469.
- Sauvage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,954; May 29; v. 238; p. 1470.
- Sauvage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,955; May 29; v. 238; p. 1470.
- Sauvage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,956; May 29; v. 238; p. 1470.
- Sauvage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,957; May 29; v. 238; p. 1471.
- Sauvage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,958; May 29; v. 238; p. 1471.
- Sauvage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,959; May 29; v. 238; p. 1472.
- Sauvage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,960; May 29; v. 238; p. 1472.
- Sauvage, William H., Flushing, N. Y., assignor to Gould Coupler Company. Slack-adjuster. No. 1,227,961; May 29; v. 238; p. 1472.
- Sauve, Wilfred, Moxee City, Wash. Means for thinning oil on clutch-disks. No. 1,237,561; Aug. 21; v. 241; p. 724.
- Savage, Adelia P., Sidney, Ohio. Shoe. No. 1,222,678; Apr. 17; v. 237; p. 661.
- Savage Arms Corporation. (See Nelson, Charles A., assignor.)
- Savage, Charles P., South Tacoma, Wash. Tie-clasp. No. 1,223,425; Apr. 24; v. 237; p. 948.
- Savage, Edward S., Rochester, N. Y. Fire-extinguisher. No. 1,230,435; June 19; v. 239; p. 774.
- Savage, Edward S., Rochester, N. Y. Conveying apparatus. No. 1,251,117; Dec. 25; v. 245; p. 905.
- Savage, George W., Chester, Pa. High-pressure-gas regulator. No. 1,236,010; Aug. 7; v. 241; p. 158.
- Savage, Louis P., Laporte, Ind. Valve mechanism for internal-combustion motors. No. 1,213,027; Jan. 16; v. 234; p. 983.
- Savage Tire Company, The. (See Morris, Howard I., assignor.)
- Savageau, Frederick L., Denver, Colo., assignor to The Independence Coffee and Spice Company. Forming cakes from coffee. No. 1,210,542; Jan. 2; v. 234; p. 57.
- Savidge, Albert C., Indianapolis, Ind. Dust-cap for valves. No. 1,210,702; Jan. 2; v. 234; p. 113.
- Savidge, William, Alton, Ill. Tractor. No. 1,240,782; Sept. 18; v. 242; p. 716.
- Savin, Garnet W. (See Quarles and Savin.)
- Savings Investment and Trust Company of East Orange et al., executors. (See Aylsworth, Jonas W.)
- Savings Union Bank and Trust Company. (See Northrup, Elmer C., assignor.)
- Savio, Michele, Turin, Italy. Brake. No. 1,218,479; Mar. 6; v. 236; p. 203.
- Savoy, August, et al. (See Tela, David E., assignor.)
- Saworski, Frederick W., Boston, Mass. Articulatory joint. No. 1,221,770; Apr. 3; v. 237; p. 266.
- Sawtell, Hannibal C. Z., Parsons, Kans. Piano-truck. No. 1,219,492; Mar. 20; v. 236; p. 623.
- Sawtelle, Charles A., assignor to V. G. Apple, Dayton, Ohio. Gas-engine. No. 1,242,985; Oct. 16; v. 243; p. 557.
- Sawtelle, Fred W., Oshkosh, Wis. Package-tie. No. 1,230,522; June 19; v. 239; p. 804.
- Sawyer, Asa L., East Providence, assignor to Hailam-Rice Co., Providence, R. I. Lingerie-clasp. No. 1,233,609; July 17; v. 240; p. 754.
- Sawyer, August T., Livermore Falls, Me., assignor of one-half to W. H. Dixon. Hose-coupling. No. 1,242,047; Oct. 2; v. 243; p. 183.
- Sawyer, Claude M. (See Fox, Ryan, and Sawyer.)
- Sawyer, Edward. (See Hudgins, John T., assignor.)
- Sawyer, Emmons W., Minneapolis, Minn. Card game. No. 1,228,607; June 5; v. 239; p. 80.
- Sawyer, Frank M., Alhambra, Cal. Building construction. No. 1,240,492; Sept. 18; v. 243; p. 627.
- Sawyer, Franklin M., Kansas City, Mo. Baby-bed. No. 1,211,762; Jan. 9; v. 234; p. 507.

- Sawyer, Harry, assignor to Shaw Electric Crane Company, Muskegon, Mich. Operating mechanism for hoisting apparatus. No. 1,251,289; Dec. 25; v. 245; p. 956.
- Sawyer, Harry, assignor to Shaw Electric Crane Company, Muskegon, Mich. Combined hoist and rack mechanism. No. 1,251,290; Dec. 25; v. 245; p. 956.
- Sawyer, Herbert L., and G. E. Perry, Chicago, Ill.; said Perry assignor to said Sawyer. Measuring dispensing vessel. No. 1,233,812; July 17; v. 240; p. 816.
- Sawyer, Hollis H., Newton, Mass. Positioning means for vertically-arranged articles. No. 1,215,720; Feb. 13; v. 235; p. 471.
- Sawyer, Howard H., Portland, Oreg. Water-motor. No. 1,218,900; Mar. 13; v. 236; p. 392.
- Sawyer, Louis S., Lynn, Mass. Belt-fastener. No. 1,223,116; Apr. 17; v. 237; p. 811.
- Sawyer, Walter H., Auburn, Me. Treating sewage. No. 1,242,986; Oct. 16; v. 243; p. 558.
- Sawyer, William A. (See Merritt and Sawyer.)
- Saxe, Charles J., Montreal, Quebec, Canada. Adjustable stop for windows or doors. No. 1,225,862; May 15; v. 238; p. 696.
- Saxe, John L., Waterbury, Conn. Pen and pencil clip. No. 1,224,026; Apr. 24; v. 237; p. 1159.
- Saxe, John L., Waterbury, Conn. Churn. No. 1,224,798; May 1; v. 238; p. 242.
- Saxe, Sigmond, New York, N. Y. Production of light-colored leather. No. 1,235,059; July 31; v. 240; p. 1284.
- Saxe, Sigmond, New York, N. Y. Manufacture of lactic acid. No. 1,249,511; Dec. 11; v. 245; p. 344.
- Saxegaard, Andreas, Stavanger, Norway. Apparatus for household cooking. No. 1,224,326; May 1; v. 238; p. 76.
- Saxevik, Harald, Hommelvik, near Trondhjem, Norway. Lumber-raffing apparatus. No. 1,246,167; Nov. 13; v. 244; p. 335.
- Saxon, Augustus D., and J. E. Lundy, Springfield, S. C. Animal-trap. No. 1,217,350; Feb. 27; v. 235; p. 1134.
- Saxton, Charles D., Kalamazoo, Mich. Water pumping and heating apparatus. No. 1,249,512; Dec. 11; v. 245; p. 344.
- Saxton, Edmund L., Lansing, Mich., assignor to The Lufkin Rule Company. Measuring-tape. (Reissue.) No. 1,449; Dec. 11; v. 245; p. 526.
- Saxton, Robert, Brooklyn, N. Y. Horse-boot. No. 1,218,901; Mar. 13; v. 236; p. 393.
- Saxton, Stephen F., Detroit, Mich., assignor of one-half to J. A. Miller, Toledo, Ohio. Automobile-signal. No. 1,217,223; Feb. 27; v. 235; p. 1091.
- Saxton, Thomas G., assignor to E. M. McKee, Lexington, Ky. Piston-packing. No. 1,241,770; Oct. 2; v. 243; p. 96.
- Say, William, London, England. Holing-bit. No. 1,230,038; June 12; v. 239; p. 605.
- Sayer, George J. (See Peterson, John M., assignor.)
- Sayer, John, Flagstaff, Ariz. Insulator. No. 1,218,480; Mar. 6; v. 236; p. 204.
- Sayers, Edward W., Bogue, Kans. Four-horse eveners. No. 1,216,734; Feb. 20; v. 235; p. 881.
- Sayers, Rose, Philadelphia, Pa. Attachment for cooking utensils. No. 1,232,851; July 10; v. 240; p. 468.
- Saygers, Andrew J., and J. F. George, Philadelphia, Pa. Fuse for shrapnel and other shells. No. 1,236,011; Aug. 7; v. 241; p. 158.
- Sayles, Henry, Meeteetse, Wyo. Lamb-blanket. No. 1,218,004; Mar. 6; v. 236; p. 41.
- Saylor, Charles C., Pittsburgh, Pa. Insulator-support for cross-arms. No. 1,231,068; June 26; v. 239; p. 1026.
- Saylor, Frank D., Pittsburgh, Pa. Insulating-joint. No. 1,231,202; June 26; v. 239; p. 1072.
- Saywell, Alfred J., Pawtucket, R. I. Lace. No. 1,241,666; Oct. 2; v. 243; p. 63.
- Scacchi, Giuseppe, Phillipsburg, N. J. Loom-picker. No. 1,238,444; Aug. 28; v. 241; p. 1041.
- Scadhe, William C., Jersey City, N. J. Shoe-polishing machine. No. 1,230,039; June 12; v. 239; p. 605.
- Scaife, Arthur J., assignor to The White Motor Company, Cleveland, Ohio. Brake mechanism for automobiles. No. 1,245,040; Oct. 30; v. 243; p. 1252.
- Scalbon, Oscar L., Glenview, Ill. Flash-light. No. 1,224,215; May 1; v. 238; p. 35.
- Scalbon, Oscar L., Glenview, Ill. Cutter device. No. 1,248,554; Dec. 4; v. 245; p. 37.
- Scaletta, Thomas P., Philadelphia, Pa. Milk-bottle receptacle. No. 1,236,214; Aug. 7; v. 241; p. 222.
- Scales, George L., Detroit, Mich. Paper-material container. No. 1,231,203; June 26; v. 239; p. 1072.
- Scales, Wallace N., et al. (See Lewis, Ralph A., assignor.)
- Scamahorn, William A. (See Courtesy, Henry L., assignor.)
- Scammell, Charles H., New York, N. Y., assignor to Charles H. Scammell Company. Method and machine for making metal lath. No. 1,210,848; Jan. 2; v. 234; p. 161.
- Scammell, Charles H., New York, N. Y., assignor to Charles H. Scammell Company. Metal lath. No. 1,210,849; Jan. 2; v. 234; p. 161.
- Scandlyn, Samuel H., Park City, Tenn. Massage apparatus. No. 1,215,996; Feb. 13; v. 235; p. 569.
- Scanes, Arthur E. L., Manchester, England. Gage for indicating the efficiency of a steam-condenser. No. 1,217,074; Feb. 20; v. 235; p. 995.
- Scanes, Arthur E. L., Ashton-upon-Mersey, assignor to The British Westinghouse Electric & Manufacturing Company, Limited, London, England. Fluid-operated ejector. No. 1,228,608; June 5; v. 239; p. 80.
- Scanes, Arthur E. L., Ashton-upon-Mersey, assignor to The British Westinghouse Electric & Manufacturing Company, Limited, London, England. Condenser or cooler. No. 1,238,574; Aug. 28; v. 241; p. 1084.
- Scanferla, Luigi, Milan, Italy. Fuse-setting device for projectiles. No. 1,246,331; Nov. 13; v. 244; p. 385.
- Scanlan, Joseph F., New York, N. Y. Butter-cutter. No. 1,221,224; Apr. 3; v. 237; p. 79.
- Scanlan, Joseph F., New York, N. Y. Butter-cutter. No. 1,249,513; Dec. 11; v. 245; p. 344.
- Scanlin, James, assignor of one-half to P. A. Arnold and G. D. Chastain, Wirt, Okla. Oil-casing-closing apparatus. No. 1,217,837; Feb. 27; v. 235; p. 1306.
- Scarborough, Harry Y., Minneapolis, Minn. Tank for the treatment of sewage. No. 1,223,427; Apr. 24; v. 237; p. 949.
- Scarborough, Harry Y., Minneapolis, Minn., and J. G. King, Superior, Wis., assignors to Automatic Chemical Closet Company, Minneapolis, Minn. Sanitary closet. No. 1,223,426; Apr. 24; v. 237; p. 949.
- Scardefield, Frank H., Brooklyn, N. Y. Gold-beating machine. No. 1,246,168; Nov. 13; v. 244; p. 336.
- Scardino, Mariano P. and P. Bryan, Tex. Half-car unloader. No. 1,235,386; July 31; v. 240; p. 1381.
- Scardino, Peter. (See Scardino, Mariano P. and P.)
- Scarr, James, Randsburg, Cal. Cleaner for kitchen utensils. No. 1,210,850; Jan. 2; v. 234; p. 161.
- Scarr, James, Randsburg, Cal. Collapsible crate. No. 1,227,079; May 22; v. 238; p. 1146.
- Schaab, John J., St. Louis, Mo. Safety attachment for garment-pockets. No. 1,225,863; May 15; v. 238; p. 696.
- Schaad, Ben D. (See Sauerman, John F., assignor.)
- Schaake, William. (See Jackson and Schaake.)
- Schaake, William. (See Pharo and Schaake.)
- Schaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Insulator. No. 1,217,508; Feb. 27; v. 235; p. 1193.
- Schaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Trolley. No. 1,241,558; Oct. 2; v. 243; p. 29.
- Schaake, William, Pittsburgh, and A. H. Candee, Wilkesburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control system for pantograph-trolleys. No. 1,224,216; May 1; v. 238; p. 36.
- Schaanning, Alf, and S. A. Stigant, Manchester, England, assignors to Westinghouse Electric and Manufacturing Company. Fuse. No. 1,212,694; Jan. 16; v. 234; p. 869.
- Schaanning, Peder C., Vindern Pr. Christiania, assignor of one-half to E. Wahlström, Vittingfos, Norway. Automatic wood-grinding mill. No. 1,246,944; Nov. 20; v. 244; p. 604.
- Schaar, Maurice, Brussels, Belgium. Transmission system. No. 1,245,804; Nov. 6; v. 244; p. 201.
- Schachat, Abraham, Brooklyn, assignor to Slocum, Avram & Slocum Laboratories, Inc., New York, N. Y. Bench-lathe grinding-machine. No. 1,237,254; Aug. 14; v. 241; p. 587.
- Schachat, Abraham, Brooklyn, assignor to Slocum, Avram & Slocum, Inc., New York, N. Y. Internal grinder. No. 1,250,107; Dec. 11; v. 245; p. 516.
- Schack, William, New York, N. Y. Pump-operating mechanism for pneumatic player-pianos. No. 1,248,408; Nov. 27; v. 244; p. 1053.
- Schade, Edmund A., assignor to The Stanley Rule & Level Company, New Britain, Conn. Spirit-level. No. 1,211,882; Jan. 9; v. 234; p. 551.
- Schade, Edmund A., assignor to The Stanley Rule & Level Company, New Britain, Conn. Joint for folding rules. No. 1,227,206; May 22; v. 238; p. 1189.
- Schade, Edmund A., assignor to The Stanley Rule & Level Co., New Britain, Conn. Plane-spur. No. 1,249,674; Dec. 11; v. 245; p. 390.
- Schade, Edmund A., and J. M. Hance, assignors to The Stanley Rule & Level Company, New Britain, Conn. Woodworking-vise. No. 1,229,659; June 12; v. 239; p. 483.
- Schade, Henry, Shelby, Iowa. Air-fed oiler. No. 1,236,215; Aug. 7; v. 241; p. 222.
- Schade, John, Jr., Brooklyn, N. Y. Spring fastening device. No. 1,212,821; Jan. 16; v. 234; p. 910.
- Schade, John, Jr., Brooklyn, N. Y., assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf binder. No. 1,212,565; Jan. 16; v. 234; p. 821.
- Schade, Wilfred, St. Louis, Mo. Swivel electric connection. No. 1,241,030; Sept. 25; v. 242; p. 826.
- Schadee, Gustav. (See Gallagher and Schadee.)
- Schadel, Frank J. (See Miller, Anna C., assignor.)
- Schadow, Julius R., Vallejo, Cal. Automatic feed mechanism for punches. No. 1,250,028; Dec. 11; v. 245; p. 493.
- Schaefer, Béla, Frankfurt-on-the-Main, Bockenheim, assignor to Hartmann & Braun A. G., Frankfurt-on-the-Main, Germany. Vapor alternating-current rectifier and similar apparatus. No. 1,223,428; Apr. 24; v. 237; p. 950.
- Schaefer, Charles. (See Rosenberg, Nathan, assignor.)
- Schaefer, Charles, New York, N. Y. Stationary washtub. No. 1,224,671; May 1; v. 238; p. 198.

Alphabetical list of patentees—Continued.

- Schaefer, Earle B., assignor to Geo. W. Blabon Company, Philadelphia, Pa. Block-printing machine. No. 1,224,964; May 8; v. 238; p. 350.
- Schaefer, Francis M., Chicago, Ill. Drier. No. 1,216,504; Feb. 20; v. 235; p. 801.
- Schaefer, Frank M., assignor to Schaefer Manufacturing Company, Chicago, Ill. Water-supply means for cleaners and peelers. No. 1,220,365; Mar. 27; v. 236; p. 969.
- Schaefer, Frederic, Pittsburgh, Pa. Connecting-bar. No. 1,211,763; Jan. 9; v. 234; p. 507.
- Schaefer, Frederic, Pittsburgh, Pa. Connecting-bar. No. 1,240,493; Sept. 18; v. 242; p. 627.
- Schaefer, George A., assignor of one-half to F. W. Irving, Chicago, Ill. Inclosed fuse. No. 1,226,017; May 15; v. 238; p. 749.
- Schaefer, Henry C. (See Bachmann, Paul I., assignor.)
- Schaefer, Herman, Astoria, N. Y. Support for suspended conductors. No. 1,242,048; Oct. 2; v. 243; p. 183.
- Schaefer Manufacturing Company. (See Schaefer, Frank M., assignor.)
- Schaefer, Oscar E., St. Louis, Mo. Making books. No. 1,219,589; Mar. 20; v. 236; p. 658.
- Schaefer, Otto, New York, N. Y. Electrical connector. No. 1,210,851; Jan. 2; v. 234; p. 162.
- Schaefer, Sadie, Brooklyn, N. Y. Corset attachment. No. 1,249,211; Dec. 4; v. 245; p. 226.
- Schaeffer, John W. (See Greenerd, Robert C., assignor.)
- Schaeffer, Joseph, Pine Forge, Pa. Egg-tester. No. 1,218,481; Mar. 6; v. 236; p. 204.
- Schaeffer, Frank C., Huntington, N. Y. Envelop. No. 1,231,204; June 26; v. 239; p. 1072.
- Schaeffe, Frank L., Dubuque, Iowa. Box-lid support. No. 1,245,986; Nov. 6; v. 244; p. 251.
- Schaefer, Carl A., Pankow, Berlin, Germany. Sterilizing apparatus. No. 1,213,810; Jan. 23; v. 234; p. 1286.
- Schaf, Joseph C., Jr., and W. E. Munk, assignors to H. E. Welch, Indianapolis, Ind. Electrothermostatic controller. No. 1,223,117; Apr. 17; v. 237; p. 811.
- Schaff, George M., Cleveland, Ohio. Fountain blacking-brush. No. 1,235,060; July 31; v. 240; p. 1284.
- Schaffer, Arthur, Riverside, N. J. Milk-bottle safety-receptacle. No. 1,228,057; May 29; v. 238; p. 1504.
- Schaffer, Benno C., Ellinwood, Kans. Display-rack. No. 1,211,242; Jan. 2; v. 234; p. 298.
- Schaffer, Edmund O., Derby, Conn. Illuminated fountain-pen. No. 1,214,959; Feb. 6; v. 235; p. 167.
- Schaffer, Emil, Hoopston, Ill. Cooker. No. 1,250,360; Dec. 18; v. 245; p. 631.
- Schaffer, Friedrich, Leobersdorf, Austria. Making car-wheels. No. 1,227,962; May 29; v. 238; p. 1473.
- Schaffer, Henry J., Brooklyn, N. Y. Garbage-can. No. 1,213,423; Jan. 23; v. 234; p. 1153.
- Schaffer, John C., Tiffin, Ohio. Hydration. No. 1,220,995; Mar. 27; v. 236; p. 1183.
- Schaffert, Adolf H., assignor to The Damascus Brake Beam Co., Cleveland, Ohio. Brake-beam fulcrum. No. 1,220,690; Mar. 27; v. 236; p. 1081.
- Schaffert, Adolf H., assignor to The General Fireproofing Company, Youngstown, Ohio. Door-joint construction. No. 1,231,069; June 26; v. 239; p. 1027.
- Schaffner, Clarence E., Cincinnati, Ohio. Garment-supporter. No. 1,226,387; May 15; v. 238; p. 877.
- Schäfer, Carlos, Merida, Mexico. Hulling-machine. No. 1,212,113; Jan. 9; v. 234; p. 630.
- Schaidhauf, Alois. (See Liebknecht and Schaidhauf.)
- Schaidhauf, Alois, Frankfurt-on-the-Main, Germany, assignor to Roessler & Hasslacher Chemical Company, New York, N. Y. Manufacturing alkali-metal percarbonate. No. 1,225,722; May 8; v. 238; p. 606.
- Schaidhauf, Alois, Frankfurt-on-the-Main, Germany, assignor to Roessler & Hasslacher Chemical Company, New York, N. Y. Rendering alkali percarbonates stable. No. 1,225,872; May 15; v. 238; p. 699.
- Schaidhauf, Alois, Frankfurt-on-the-Main, Germany, assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Bleaching textile fibers. No. 1,235,929; Aug. 7; v. 241; p. 131.
- Schaler, Louis, Minneapolis, Minn. Weed-puller. No. 1,224,571; May 1; v. 238; p. 163.
- Schall, Aly I., Yonkers, N. Y. Antirefillable bottle. No. 1,217,509; Feb. 27; v. 235; p. 1193.
- Schaller, Carl, assignor to Grimme, Natalis & Co., Commanditgesellschaft Auf Actien, Brunswick, Germany. Computing-machine. No. 1,220,008; Mar. 20; v. 236; p. 803.
- Schaller, Carl, assignor to Grimme, Natalis & Co., Commanditgesellschaft Auf Actien, Brunswick, Germany. Calculating-machine. No. 1,220,009; Mar. 20; v. 236; p. 803.
- Schaller, William, Brooklyn, N. Y. Non-skid printing-roller. No. 1,228,829; June 5; v. 239; p. 155.
- Schallman, Harry, Chicago, Ill. Combined garbage-can and rat-trap. No. 1,223,525; Apr. 24; v. 237; p. 985.
- Schallock, Fredrick E., San Francisco, Cal. Air-brake system. No. 1,250,361; Dec. 18; v. 245; p. 631.
- Schalow, Frank J., Evergreen, N. Y. Knob-lock for doors. No. 1,214,596; Feb. 6; v. 235; p. 39.
- Schalow, Frank J., Evergreen, N. Y. Knob-lock for doors. No. 1,236,881; Aug. 14; v. 241; p. 468.
- Schamber, Rudolf. (See Fischer and Chamber.)
- Schank, John E., Chicago, Ill. Pole-climber. No. 1,210,543; Jan. 2; v. 234; p. 57.
- Schank, John E., Chicago, Ill. Golf-bag. No. 1,229,326; June 12; v. 239; p. 370.
- Schantz, Abraham J., Orrville, Ohio. Valve for organ-bellows. No. 1,248,926; Dec. 4; v. 245; p. 146.
- Schanz, Otto A., Port Townsend, Wash. Locking means for floor-boards. No. 1,241,667; Oct. 2; v. 243; p. 63.
- Schanze, Gustavus A. (See Smulski, Theodore J., assignor.)
- Schaper, Henry C., assignor to The General Automatic Scale Company, St. Louis, Mo. Weighing-scale. No. 1,237,706; Aug. 21; v. 241; p. 771.
- Schärer, Carl, Pankow, assignor to Allgemeine Krankenhaus-Einrichtungen-Gesellschaft m. b. H., Berlin, Germany. Apparatus for sterilizing surgical instruments and any other objects. No. 1,249,514; Dec. 11; v. 245; p. 344.
- Scharpenberg, Charles C., Bakersfield, Cal. Gas-trap. No. 1,226,913; May 22; v. 238; p. 1088.
- Schartow, Frank E., Racine, assignor of one-half to R. A. Nourse, Milwaukee, Wis. Snap-hook. No. 1,245,276; Nov. 6; v. 244; p. 39.
- Scharwath, John A. (See Dearborn, Richard J., assignor.)
- Schaub, Henry A., and F. S. Crawford, Huntington, W. Va. Barrel hoist and rack. No. 1,223,295; Apr. 17; v. 237; p. 869.
- Schaub, Jacob, assignor to Salt Lake Stamp Co., Salt Lake City, Utah. Implement for attaching ear-tags. No. 1,225,180; May 8; v. 238; p. 422.
- Schaub, Jacob, assignor to Salt Lake Stamp Co., Salt Lake City, Utah. Cattle-tag. No. 1,249,515; Dec. 11; v. 245; p. 345.
- Schaueremann, Edward, Baltimore, Md., assignor to The Hold Fast Caster Cup Company. Floor-protecting attachment for furniture. No. 1,221,225; Apr. 3; v. 237; p. 80.
- Schaum, William. (See Terrell and Schaum.)
- Schauweker, William K., Cleveland, Ohio. Gasolene-vending apparatus. No. 1,241,889; Oct. 2; v. 243; p. 135.
- Schawrowsky, Rappel, Bayonne, N. J. Hydrocarbon-burner. No. 1,243,559; Oct. 16; v. 243; p. 730.
- Scheaffer, James E., Burnham, Pa. Compound for covering the top of molten metal in ingot-molds. No. 1,212,825; Jan. 16; v. 234; p. 912.
- Schechter, Bernard, assignor of one-third to G. H. Tontrup and one-third to W. J. Mackle, St. Louis, Mo. Seat. No. 1,231,205; June 26; v. 239; p. 1073.
- Scheeder, John, New York, N. Y. Adjustable try-square. No. 1,232,613; July 10; v. 240; p. 390.
- Scheefer, Gustave A., assignor, by mesne assignments, to Holcomb & Hoke Mfg. Co., Indianapolis, Ind. Popcorn-machine. No. 1,251,291; Dec. 25; v. 245; p. 957.
- Scheel, Hans P., Tenino, Wash. Gas-collecting attachment for coke-ovens. No. 1,240,494; Sept. 18; v. 242; p. 628.
- Scheelk, Claude, New York, N. Y. Valve-washer. No. 1,245,516; Nov. 6; v. 244; p. 113.
- Scheelke, Emil, St. Louis, Mo. Torpedo-net. No. 1,240,495; Sept. 18; v. 242; p. 628.
- Scheer, Charles E., Washington, D. C. Valve. No. 1,249,837; Dec. 11; v. 245; p. 439.
- Schefczik, Wilhelm, Hamborn-on-the-Rhine, Germany. Mechanical roasting-furnace. No. 1,210,852; Jan. 2; v. 234; p. 162.
- Scheffer, Carl F., and J. Zimmerman, Dayton, Ohio. Button-protector. No. 1,216,735; Feb. 20; v. 235; p. 881.
- Scheffey, John A., Columbus, Ohio. Rivet-cutting machine. No. 1,243,765; Oct. 23; v. 243; p. 829.
- Schefstrom, Gustaf H., and O. A. Anderson, Macomb, Ill. Ice-creeper. No. 1,224,217; May 1; v. 238; p. 36.
- Scheibe, Harold M., Cambridge, Mass., assignor to Westinghouse Electric and Manufacturing Company. Centrifugal switch. No. 1,214,081; Jan. 30; v. 234; p. 1410.
- Scheibe, Harold M., Cambridge, Mass., assignor to Westinghouse Electric and Manufacturing Company. Means for producing air-currents. No. 1,224,218; May 1; v. 238; p. 36.
- Scheibe, Harold M., Somerville, Mass., assignor to Westinghouse Electric and Manufacturing Company. Commutator. No. 1,241,559; Oct. 2; v. 243; p. 30.
- Scheidegger, David, Fort Morgan, Colo. Tool for spreading bridge-wire hooks. No. 1,237,391; Aug. 21; v. 241; p. 670.
- Scheidt, John F., Wimbledon, N. D. Clothes-drier. No. 1,232,982; July 10; v. 240; p. 511.
- Scheller, Henry W., assignor of one-half to S. A. Foley, Lincoln, Ill. Washboiler. No. 1,228,972; June 5; v. 239; p. 201.
- Scheinpflug, William G., New York, N. Y. Retaining device for umbrella-ribs. No. 1,212,114; Jan. 9; v. 234; p. 630.
- Schell, Robert C., Elkhart, Ind. Hinge. No. 1,249,516; Dec. 11; v. 245; p. 345.
- Schellenbach, Charles O., Cincinnati, Ohio. Expansible reamer. No. 1,241,668; Oct. 2; v. 243; p. 64.
- Schellenbach, William L., Wyoming, Ohio. Tool-holder stop mechanism. No. 1,231,946; July 3; v. 240; p. 137.
- Schellenbach, William L., Wyoming, Ohio. Metal-boring machine. No. 1,250,362; Dec. 18; v. 245; p. 631.
- Schellenbach, William L., Wyoming, Ohio. Initial driving mechanism. No. 1,250,363; Dec. 18; v. 245; p. 632.

- Schellens, Christopher A., Lynn, Mass., assignor to General Electric Company. Elastic-fluid turbine. No. 1,242,246; Oct. 9; v. 243; p. 287.
- Schellens, Christopher A., Marblehead, and G. W. Pen-theny, Lynn, Mass., assignor to General Electric Company. Centrifugal compressor. No. 1,250,029; Dec. 11; v. 245; p. 493.
- Scheller, Emil F., Lorschach in the Taunus, Germany. Producing acetaldehyde. No. 1,244,901; Oct. 30; v. 243; p. 1212.
- Scheller, Emil F., Lorschach in the Taunus, Germany. Producing acetaldehyde. No. 1,244,902; Oct. 30; v. 243; p. 1212.
- Schellinger, Lee L., McGraw, N. Y. Lubricator for vehicle-wheels. No. 1,244,248; Oct. 23; v. 243; p. 975.
- Scheiter, George G., Rochester, N. Y. Automatic sprinkler. No. 1,215,202; Feb. 6; v. 235; p. 251.
- Schemmel, Frank P. (See Curtis, Henry E., assignor.)
- Schemmel, Robert C., Union City, Ind. Finishing-welt. No. 1,226,600; May 15; v. 238; p. 943.
- Schenck, Arthur E., Hamilton, Ohio. Road-dressing machine. No. 1,229,529; June 12; v. 239; p. 439.
- Schenck, Garret, assignor to Great Northern Paper Company, Millinocket, Me. Fourdrinier machine. No. 1,246,945; Nov. 20; v. 244; p. 604.
- Schenck, John E., Chicago, Ill., assignor to American Can Company, New York, N. Y. Pouring-nozzle closure for cans. No. 1,215,997; Feb. 13; v. 235; p. 569.
- Schenck, Seaman, New York, N. Y. Collar-protector. No. 1,231,206; June 26; v. 239; p. 1073.
- Schenck, Walter F. (See O'Neal, Simeon, assignor.)
- Schandler, Paul H., Erie, Pa. Pressure-releasing mechanism. No. 1,217,642; Feb. 27; v. 235; p. 1241.
- Schandler, Paul H., Erie, Pa. Clothes-wringer. No. 1,230,228; June 19; v. 239; p. 707.
- Schenk, Eduard, Newport, Ky. Weighing apparatus. No. 1,232,983; July 10; v. 240; p. 511.
- Schenk, Erich, Newark, N. J. Arch-supporter. No. 1,251,427; Dec. 25; v. 245; p. 996.
- Schenk, John M., and J. H. Stewart, assignors to Pioneer Manufacturing Company, Waterloo, Iowa. Machine for forming concrete sewer-pipe. No. 1,248,018; Nov. 27; v. 24; p. 944.
- Schenkenberger, Philipp E., Temvik, N. D. Oil-heater. No. 1,211,243; Jan. 2; v. 234; p. 299.
- Schenker, Walter, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Fuel-injector. No. 1,238,828; Sept. 4; v. 242; p. 34.
- Schenker, Walter, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Internal-combustion engine. No. 1,240,884; Sept. 25; v. 242; p. 781.
- Schenuit, Henry F., assignor of one-half to M. S. Wustum, Pasadena, Cal. Zither-piano. No. 1,238,718; Aug. 28; v. 241; p. 1126.
- Schepis, Nicholas J., Columbia, La. Store-counter. No. 1,215,873; Feb. 13; v. 235; p. 525.
- Schenpmoes, Lindsley, Hasbrouck Heights, N. J., assignor to The Safety Car Heating & Lighting Company. Supporting-bracket for lamps. No. 1,231,947; July 3; v. 240; p. 136.
- Schepp, Albert J. and H. J., Manhattan, Kans. Hog-oiler. No. 1,219,352; Mar. 13; v. 236; p. 545.
- Schepp, Herman J. (See Schepp, Albert J. and H. J.)
- Scher, Harry, Brooklyn, N. Y. Collapsible carrier. No. 1,231,654; July 3; v. 240; p. 38.
- Scherenzel, Charles F., San Francisco, Cal. Lifting-jack. No. 1,223,621; Apr. 24; v. 237; p. 1019.
- Scherer, Albert G., assignor to The Excelsior Steel Furnace Company, Chicago, Ill. Hot-air distributor for furnaces. No. 1,224,219; May 1; v. 238; p. 37.
- Scherer, Albert G., assignor to Excelsior Steel Furnace Company, Chicago, Ill. Furnace. No. 1,224,220; May 1; v. 238; p. 37.
- Scherf, Theodore, Cleveland, Ohio. Multiply paper. No. 1,250,230; Dec. 18; v. 245; p. 592.
- Scherff, George H., New York, assignor, for mesne assignments, to George H. Scherff & Company, Inc., Brooklyn, N. Y. Illumination-controller. No. 1,212,115; Jan. 8; v. 234; p. 630.
- Schermack Co., The. (See Schermack, Joseph J., assignor.)
- Schermack, Joseph J., assignor to The Schermack Co., Detroit, Mich. Stamp-vending machine. No. 1,250,517; Dec. 18; v. 245; p. 678.
- Schermerhorn, Louis C., Paterson, N. J. Automobile-locking device. No. 1,223,906; Apr. 24; v. 237; p. 1119.
- Schermerhorn, Louis C., Paterson, N. J. String for musical instruments. No. 1,244,549; Oct. 30; v. 243; p. 1105.
- Scherr, Frederick, Jr., and B. P. Luze, Fajardo, Porto Rico. Groove-cleaner for rolling-mills. No. 1,212,116; Jan. 9; v. 234; p. 631.
- Scherrer, Charles J., Council Bluffs, Iowa. Combined hoist and conveyor. No. 1,215,874; Feb. 13; v. 235; p. 525.
- Scherrer, Charles J., Brooklyn, N. Y. Imposition-frame. No. 1,228,973; June 5; v. 239; p. 201.
- Scherzer, Philip, Melvin, Iowa. Harrow attachment. No. 1,211,358; Jan. 2; v. 234; p. 335.
- Schettler, Charles A., Cleveland, Ohio. Vegetable-washing machine. No. 1,210,853; Jan. 2; v. 234; p. 162.
- Scheuer, Abram. (See Price, John, assignor.)
- Schevitz, Carl, Jacksonville, Fla. Expandible shoe-last. No. 1,223,206; Apr. 17; v. 237; p. 842.
- Schewelin, Wladimer, Moscow, Russia. Producing an insulating material. No. 1,235,061; July 31; v. 240; p. 1284.
- Schey, Robert, New York, N. Y. Fabric sample or swatch. No. 1,214,832; Feb. 6; v. 235; p. 121.
- Schick, Louis, Thomson, Ill. Barbed-wire unroller. No. 1,230,794; June 19; v. 239; p. 894.
- Schickerling, Alfred, Mount Vernon, N. Y. Safety-match-pad case. No. 1,240,262; Sept. 18; v. 242; p. 555.
- Schickerling, Conrad, assignor to L. E. Schickerling, Weehawken Heights, N. J. Electric-lamp attachment. No. 1,250,030; Dec. 11; v. 245; p. 493.
- Schickerling, Lillie E. (See Schickerling, Conrad, assignor.)
- Schidorsky, Theodore, New York, N. Y. Protective apparatus. No. 1,230,607; June 19; v. 239; p. 834.
- Schieb, Henry H., Akron, Ohio. License-lamp. No. 1,214,224; Jan. 30; v. 234; p. 1456.
- Schiebel, Charles, Watertown, Wis. Detachable watch for motor-driven vehicles. No. 1,219,669; Mar. 20; v. 236; p. 687.
- Schiel, Friedrich A. M., Frankfurt-on-the-Main, Germany. Separating finely-divided ore mixtures in vacuum separating vessels or chambers. No. 1,212,566; Jan. 16; v. 234; p. 821.
- Schled, George J., Rochester, N. Y. Playing-cards. No. 1,243,985; Oct. 23; v. 243; p. 896.
- Schlefer, Lawrence R., Fort Wayne, Ind., assignor of one-half to G. E. Eaton, Chicago, Ill. Closure for fluid-receptacles. No. 1,214,833; Feb. 6; v. 235; p. 121.
- Schiele, Arthur F., Durant, Iowa. Internal-combustion engine. No. 1,217,224; Feb. 27; v. 235; p. 1092.
- Schielke, Gustav. (See Granger, Joseph P. C., assignor.)
- Schiemer, Charles J. (See Rollman and Schiemer.)
- Schier, Adolph B. (See Schier, Rudolph W. and A. B.)
- Schier, Adolph B., Milwaukee, Wis. Float-valve. No. 1,230,929; June 26; v. 239; p. 977.
- Schier, Rudolph W., Milwaukee, Wis. Flush-valve. No. 1,231,795; July 3; v. 240; p. 87.
- Schier, Rudolph W. and A. B., Milwaukee, Wis. Flush-valve. No. 1,232,852; July 10; v. 240; p. 468.
- Schiessler, Josef, Baden, near Vienna, Austria. Telegraph and telephone system. No. 1,229,796; June 12; v. 239; p. 528.
- Schiff, Henry T., Chicago, Ill. Sound-reproducing machine. No. 1,231,435; June 26; v. 239; p. 1149.
- Schiff, Henry T., Chicago, Ill. Sound-reproducing machine. No. 1,246,474; Nov. 13; v. 244; p. 429.
- Schiff, Sigmund, New York, N. Y. Bottle-neck mold-roll apparatus. No. 1,226,700; May 22; v. 238; p. 1015.
- Schiff, Charles, assignor to New Jersey Patent Company, West Orange, N. J. Controlling device. No. 1,222,034; Apr. 10; v. 237; p. 392.
- Schilder, John J., Fort Worth, Tex. Pump-operating apparatus. No. 1,211,764; Jan. 9; v. 234; p. 508.
- Schilder, John J., Fort Worth, Tex. Rodless double-acting pump. No. 1,244,784; Oct. 30; v. 243; p. 1176.
- Schilken, John C. (See Crist and Schilken.)
- Schillberg, Melker W., New York, N. Y. Tool-holder. No. 1,214,225; Jan. 30; v. 234; p. 1457.
- Schilling, Henry A., Brooklyn, N. Y. Angle-spreader and swivel. No. 1,227,325; May 22; v. 238; p. 1228.
- Schilling, Paul O., Horicon, Wis. Fence-post. No. 1,235,845; Aug. 7; v. 241; p. 103.
- Schillinger, Henry H., Paw Paw, Mich., assignor to Wise Sportsman's Supply Co., Chicago, Ill. Fish bait or lure. No. 1,226,701; May 22; v. 238; p. 1016.
- Schillinger, William H., Rock Island, Ill. Explosive-engine. No. 1,218,214; Mar. 6; v. 236; p. 114.
- Schimmel, Fridolin, Faribault, Minn. Shock-absorber connection. No. 1,227,963; May 29; v. 238; p. 1473.
- Schimmel, Herman. (See Strittmatter and Schimmel.)
- Schimmelfeng, Jean L., Warren, Pa. Assembling commutators. No. 1,214,960; Feb. 6; v. 235; p. 167.
- Schimmelpfening, Charles H., San Antonio, Tex. Comb-cleaner. No. 1,251,292; Dec. 25; v. 245; p. 957.
- Schimpf, George C. (See Wieseckel and Schimpf.)
- Schindler, George E., Ashland, Wis. Electric time-switch. No. 1,227,326; May 22; v. 238; p. 1228.
- Schinkez, Albert, assignor to H. W. Hancock, Charlotte, Mich. Pressure-indicator. No. 1,227,080; May 22; v. 238; p. 1147.
- Schiot, Johannes. (See De Lony, Knud, assignor.)
- Schkommodau, Gustave H., Cincinnati, Ohio, assignor to Cary Manufacturing Co., Brooklyn, N. Y. Electric welding apparatus. No. 1,248,927; Dec. 4; v. 245; p. 146.
- Schlachter, Leo J. (See Vogt, Basler, and Schlachter.)
- Schlacks, Henry J., Chicago, Ill. Illuminating means. No. 1,241,031; Sept. 25; v. 242; p. 827.
- Schlacks, William J., assignor to McCord and Company, Chicago, Ill. Drifting-valve. No. 1,246,946; Nov. 20; v. 244; p. 604.
- Schlaeger, Joseph J., Jr., St. Paul, Minn. Directional signal. No. 1,217,075; Feb. 20; v. 235; p. 995.
- Schlaepfer, Robert, Winterthur, Switzerland, assignor to Busch-Sulzer Bros.-Diesel Engine Company, St. Louis, Mo. Air-supply system for combustion-engines. No. 1,230,330; June 19; v. 239; p. 741.
- Schlaflly, Julius H., assignor to The Canton Culvert & Silo Company, Canton, Ohio. Silo-door-attaching means. No. 1,231,948; July 3; v. 240; p. 138.

Alphabetical list of patentees—Continued.

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- Schlager, Leon, New York, N. Y. Baker's peel. No. 1,221,914; Apr. 10; v. 237; p. 351.
- Schlager, Leon, New York, N. Y. Baker's peel. No. 1,225,864; May 15; v. 238; p. 697.
- Schlanger, Frederick A., New York, N. Y. Combined chair and desk. No. 1,231,301; June 26; v. 239; p. 1104.
- Schlatter, Frank H., *et al.* (See Beckner, Bennie L., assignor.)
- Schlatter, Gustav. (See Mayer and Schlatter.)
- Schlatter, Gustav, assignor to Firm of A. Saurer, Arbon, Switzerland. Locking device for change-speed gears. No. 1,220,790; Mar. 27; v. 236; p. 1114.
- Schlatter, Moses, Hollywood, Cal. Combined ditch cleaner and former. No. 1,239,727; Sept. 11; v. 242; p. 350.
- Schlegelmilch, Frederick H., Ashtabula Harbor, Ohio. Load-distributor. No. 1,228,974; June 5; v. 239; p. 202.
- Schlehr, Joseph A., Rockford, assignor to A. V. Martin, Chicago, Ill. Washboard. No. 1,211,359; Jan. 2; v. 234; p. 335.
- Schlehr, Joseph A., Rockford, assignor to A. V. Martin, Chicago, Ill. Washboard. No. 1,211,360; Jan. 2; v. 234; p. 335.
- Schleich, John C., *et al.* (See Gibson, William A., assignor.)
- Schleicher, George, Belleville, Ill. Horse-detacher. No. 1,232,721; July 10; v. 240; p. 426.
- Schleicher, George, Belleville, Ill. Lock attachment. No. 1,241,447; Sept. 25; v. 242; p. 956.
- Schleicher, George, New York, N. Y. Road-bed. No. 1,246,663; Nov. 13; v. 244; p. 485.
- Schleicher, Henry M. (See Stillman and Schleicher.)
- Schleicher, John C., Mount Vernon, N. Y. Vehicle-wheel. No. 1,225,181; May 8; v. 238; p. 423.
- Schleicher, John C., Mount Vernon, N. Y. Airship. No. 1,232,614; July 10; v. 240; p. 390.
- Schleicher, John C., Mount Vernon, N. Y. Propeller for airships. No. 1,233,610; July 17; v. 240; p. 754.
- Schleitt, Willis A., Syracuse, N. Y. Brooder. No. 1,245,041; Oct. 30; v. 243; p. 1253.
- Schlemmer, George, New York, N. Y. Conduit-cleaning device. No. 1,218,005; Mar. 6; v. 236; p. 41.
- Schlenter, John G., Toledo, Ohio. Vacuum massage device. No. 1,226,702; May 22; v. 238; p. 1016.
- Schlepp, August C., Java, S. D. Cuspidor-carrier. No. 1,212,822; Jan. 16; v. 234; p. 911.
- Schleppy, Salem L., Chicago, Ill. Internal-combustion engine. No. 1,239,728; Sept. 11; v. 242; p. 351.
- Schlesinger, Isidor, New York, N. Y. Washtub-cover. No. 1,250,518; Dec. 18; v. 245; p. 678.
- Schlesinger, Leo. (See Kempf, Herman H., assignor.)
- Schlesinger, Sigmund, Brooklyn, N. Y. Umbrella. No. 1,220,565; Mar. 27; v. 236; p. 1039.
- Schlesinger, Sigmund, New York, N. Y. Umbrella. No. 1,247,159; Nov. 20; v. 244; p. 667.
- Schley, George I., Chicago, Ill. Picture-hanger. No. 1,226,019; May 15; v. 238; p. 750.
- Schley, Rudolph E., Beaver Dam, Wis. Power-transmitting mechanism. No. 1,231,070; June 26; v. 239; p. 1027.
- Schlichter, Enos F. (See Walter, Frank, assignor.)
- Schlichtinger, Joseph, and E. Krogel, Atlanta, Ga. Pencil-sharpener. No. 1,242,049; Oct. 2; v. 243; p. 184.
- Schlick, Emile, Nancy, France. Walking-stick. No. 1,244,249; Oct. 23; v. 243; p. 976.
- Schliiffka, Gustav. (See Lucas and Schliiffka.)
- Schlinck, Julius, Hamburg, Germany. Emulsifying fats and fatty substances. No. 1,220,010; Mar. 20; v. 236; p. 804.
- Schlink, Frederick J., Washington, D. C. Weighing-scale. No. 1,218,902; Mar. 13; v. 236; p. 393.
- Schlocker, George P. (See Murphy, John, assignor.)
- Schloemilch, Wilhelm K. M. (See Rukop and Schloemilch.)
- Schloerb, Anna, Weehawken, N. J. Scarf and necktie. No. 1,227,677; May 29; v. 238; p. 1374.
- Schlopman, Anton, Gladstone, N. D. Antiskidding device. No. 1,221,226; Apr. 3; v. 237; p. 80.
- Schloss, Harry M., New York, N. Y. Automobile-wheel. No. 1,234,394; July 24; v. 240; p. 1041.
- Schloss, Joseph W., New York, N. Y., assignor, by mesne assignments, to The Warren Featherbone Co. Garment-stiffener. No. 1,221,005; Mar. 27; v. 236; p. 1138.
- Schloss, Meyer W., New York, N. Y., assignor to Treo Company, Inc. Man's garter. No. 1,242,602; Oct. 9; v. 243; p. 402.
- Schlossberg, Emil, Brooklyn, N. Y. Automatic pin-setter. No. 1,225,276; May 8; v. 238; p. 453.
- Schlosser, Harry J., *et al.*, executors. (See Lehman, Isador.)
- Schlott, William H., and A. G. Hoeflinger, Mishawaka, Ind. Vehicle-top. No. 1,233,405; July 17; v. 240; p. 684.
- Schlottbeck, John A. (See Johnston and Schlottbeck.)
- Schluer, Mary C. (See Schluer, William M., assignor.)
- Schluer, William M., Orange, assignor of one-third to M. C. Schluer, Montclair, N. J. Interchangeable vehicle. No. 1,230,436; June 19; v. 239; p. 774.
- Schlueter, Fredrick, and G. Mericle, Detroit, Mich. Car-bureter. No. 1,213,028; Jan. 16; v. 234; p. 983.
- Schlueter, Max L., Chicago, Ill. Floor-surfacing machine. No. 1,219,670; Mar. 20; v. 236; p. 687.
- Schlundt, Christian H., assignor of one-half to R. Kirk and one-half to H. Alford, Huntingburg, Ind. Spark-plug. No. 1,218,215; Mar. 6; v. 236; p. 114.
- Schlundt, Herman, Columbia, Mo. Concentrating carnitite ores. No. 1,240,607; Sept. 18; v. 242; p. 661.
- Schlüter, Oskar, Berlin, Germany, assignor to General Electric Company. Producing filament-supports for incandescent lamps. No. 1,238,575; Aug. 28; v. 241; p. 1084.
- Schluter, William, Parkersburg, Iowa. Belt attachment for motor-vehicles. No. 1,238,946; Sept. 4; v. 242; p. 72.
- Schmaus, Simon, Buffalo, assignor of one-half to C. J. Dudley, North Tonawanda, N. Y. Pipe-cover. No. 1,223,835; Apr. 24; v. 237; p. 1094.
- Schmaus, Simon, Buffalo, assignor of one-half to C. J. Dudley, North Tonawanda, N. Y. Pipe-cover. No. 1,223,836; Apr. 24; v. 237; p. 1095.
- Schmeltz, Marcus B., Pittsburgh, Pa. Primer for explosive-engines. No. 1,213,693; Jan. 23; v. 234; p. 1246.
- Schmick, Henry J., Lock Haven, Pa. Car-brake-operating mechanism. No. 1,242,603; Oct. 9; v. 243; p. 402.
- Schmick, Henry J., Lock Haven, Pa. Automobile drive mechanism. No. 1,245,621; Nov. 6; v. 244; p. 145.
- Schmick, Henry J., Lock Haven, Pa. Lifting-jack. No. 1,245,622; Nov. 6; v. 244; p. 146.
- Schmick, Henry J., Lock Haven, Pa. Hoisting mechanism. No. 1,245,623; Nov. 6; v. 244; p. 146.
- Schmicking, Edward H. (See Stromberg, William E., assignor.)
- Schmid, Albert, Ste. Adresse, France. Internal-combustion engine. No. 1,213,911; Jan. 30; v. 234; p. 1351.
- Schmid, Arthur, Zollikon, near Zurich, Switzerland. Liquid-dispensing apparatus. No. 1,234,939; July 31; v. 240; p. 1246.
- Schmid, Ernst, Oerlikon, Switzerland. Valve-gear for piston-engines. No. 1,213,274; Jan. 23; v. 234; p. 1101.
- Schmid, Karl, Landsberg-on-the-Warthe, Germany. Single-acting, condensing, continuous-current steam-engine. No. 1,227,836; May 29; v. 238; p. 1428.
- Schmid, Karl, Alt-Mugeln, near Mugeln, assignor to "Lipsia" Chemische Fabrik, Actien-Gesellschaft, Mugeln, Leipzig, Germany. Making insulating material from basic magnesium carbonate and fibrous substances. No. 1,228,609; June 5; v. 239; p. 80.
- Schmid, Peter, Basel, Switzerland. Fixing iron mordants on textile fibers. No. 1,216,847; Feb. 20; v. 235; p. 919.
- Schmid, Peter, Basel, Switzerland. Apparatus for the weighting of silk filaments and silk fabrics in form of hanks. No. 1,231,436; June 26; v. 239; p. 1150.
- Schmid, Rudolf, Jr., West Allis, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Connector. No. 1,218,216; Mar. 6; v. 236; p. 115.
- Schmid, Werner, New York, N. Y. Garbage-can. No. 1,239,307; Sept. 4; v. 242; p. 188.
- Schmid, William. (See Shakespeare and Schmid.)
- Schmid, William H., Wabash, Ind. Combined screen and costumer. No. 1,222,805; Apr. 17; v. 237; p. 705.
- Schmidinger, Joseph, New York, N. Y. Electrical apparatus. No. 1,228,702; June 5; v. 239; p. 111.
- Schmidlin, Julius, Bergen, near Frankfurt-on-the-Main, and M. Fischer, Frankfurt-on-the-Main, Germany. Manufacture of chlorinated products of xylene, aldehydobenzoic acids, and dyestuffs therefrom. No. 1,219,166; Mar. 13; v. 236; p. 482.
- Schmidt, Adrian P., New York, N. Y. Health-exerciser. No. 1,211,765; Jan. 9; v. 234; p. 508.
- Schmidt, Albert, assignor to Champion Ignition Company, Flint, Mich. Spark-plug. No. 1,219,590; Mar. 20; v. 236; p. 659.
- Schmidt, Albert, assignor to Champion Ignition Company, Flint, Mich. Spark-plug. No. 1,230,795; June 19; v. 239; p. 894.
- Schmidt, Albert, assignor to Champion Ignition Company, Flint, Mich. Spark-plug. No. 1,230,796; June 19; v. 239; p. 895.
- Schmidt, Albert, assignor to Champion Ignition Company, Flint, Mich. Spark-plug. No. 1,230,797; June 19; v. 239; p. 895.
- Schmidt, Albert, assignor to Champion Ignition Company, Flint, Mich. Forming spark-plugs. No. 1,234,395; July 24; v. 240; p. 1041.
- Schmidt, Albert, assignor to Champion Ignition Company, Flint, Mich. Spark-plug. No. 1,241,560; Oct. 2; v. 243; p. 30.
- Schmidt, Albert, assignor to Champion Ignition Company, Flint, Mich. Spark-plug. No. 1,241,561; Oct. 2; v. 243; p. 31.
- Schmidt, Albert, assignor to Champion Ignition Company, Flint, Mich. Spark-plug. No. 1,241,562; Oct. 2; v. 243; p. 31.
- Schmidt, Albert C., Melvin, Iowa. Safety-hook. No. 1,214,717; Feb. 6; v. 235; p. 84.

- Schmidt, Albrecht, assignor to Farbwerke vorm. Meister Lucius & Bruning, Höchst-on-the-Rhine, Germany. Stable concentrated preparation for the indigo fermentation-vat. No. 1,239,526; Sept. 11; v. 242; p. 285.
- Schmidt, Cecilia K., Boston, Mass. Bank-check, &c. No. 1,227,004; May 22; v. 238; p. 1122.
- Schmidt, Charles G., Garner, Iowa. Harness-hanger. No. 1,219,045; Mar. 13; v. 236; p. 441.
- Schmidt, Curt, Freienwalde-on-the-Oder, Germany. Apparatus for examining radio-active substances. No. 1,242,377; Oct. 9; v. 243; p. 328.
- Schmidt, Ernest E., Covington, Ky. Safety-paper. No. 1,217,076; Feb. 20; v. 235; p. 995.
- Schmidt, Ernest H., assignor to The National Malleable Castings Company, Cleveland, Ohio. Shock-absorbing mechanism for railway-cars. No. 1,228,830; June 5; v. 239; p. 156.
- Schmidt, Ernest H., assignor to The National Malleable Castings Company, Cleveland, Ohio. Shock-absorbing mechanism. No. 1,228,831; June 5; v. 239; p. 156.
- Schmidt, Ernest H., assignor to The National Malleable Castings Company, Cleveland, Ohio. Coupling-shank and yoke connection. No. 1,236,882; Aug. 14; v. 241; p. 468.
- Schmidt, Ernest H., Lakewood, assignor to The National Malleable Castings Company, Cleveland, Ohio. Shock-absorbing mechanism. No. 1,243,227; Oct. 16; v. 243; p. 632.
- Schmidt, Franz, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Guide-vane. No. 1,248,168; Nov. 27; v. 244; p. 987.
- Schmidt, Frederick W., Chicago, Ill., assignor, by mesne assignments, to Time-Systems Company, Portland, Me. Electric relay. No. 1,228,058; May 29; v. 238; p. 1505.
- Schmidt, Fredrick P., Cook, Nebr. Automobile-pump. No. 1,235,062; July 31; v. 240; p. 1284.
- Schmidt, Gottfried, Hazleton, Pa. Tank valve mechanism. No. 1,243,766; Oct. 23; v. 243; p. 830.
- Schmidt, Gustave F., Chicago, Ill. Heater. No. 1,216,848; Feb. 20; v. 235; p. 919.
- Schmidt, Henry, College Point, N. Y. Pen. No. 1,238,201; Aug. 28; v. 241; p. 962.
- Schmidt, Henry D., New York, N. Y. Embossing-machine. No. 1,241,152; Sept. 25; v. 242; p. 864.
- Schmidt, Henry F., Pittsburgh, Pa., assignor to The Westinghouse Electric & Manufacturing Company. Fluid-translating device. No. 1,237,219; Aug. 14; v. 241; p. 574.
- Schmidt, Henry L., Westley, Cal. Operating-lever for grease-cups. No. 1,236,883; Aug. 14; v. 241; p. 469.
- Schmidt, Henry W., Edgewater, N. J. Aeronautical apparatus. No. 1,245,389; Nov. 6; v. 244; p. 73.
- Schmidt, Herman, Chicago, Ill. Peanut-warmer. No. 1,233,922; July 17; v. 240; p. 852.
- Schmidt, Herman C., assignor to Ideal Laundry Company, Spokane, Wash. Dry-wash-sorting rack. No. 1,219,591; Mar. 20; v. 236; p. 659.
- Schmidt, Hugo B., Charleston, S. C. Jeweler's tool. No. 1,240,783; Sept. 18; v. 242; p. 716.
- Schmidt, Hugo F., Chicago, Ill. Change-gear device. No. 1,231,655; July 3; v. 240; p. 39.
- Schmidt, Hugo F., Chicago, Ill. Tractor. No. 1,241,563; Oct. 2; v. 243; p. 31.
- Schmidt, Ida, Los Angeles, Cal. Burial-casket. No. 1,218,323; Mar. 6; v. 236; p. 152.
- Schmidt, John, assignor to J. Schmidt, C. E. Emrick, and W. J. Sberer, Dayton, Ohio. Grinding-machine. No. 1,237,255; Aug. 14; v. 241; p. 587.
- Schmidt, John L., Indianapolis, Ind. Coin receiving, recording, and slip-issuing machine. No. 1,245,390; Nov. 6; v. 244; p. 73.
- Schmidt, John L., Indianapolis, Ind. Coin receiving, registering, and slip-issuing machine. No. 1,245,391; Nov. 6; v. 244; p. 74.
- Schmidt, Karl H., Chicago, Ill. Pneumatic tire. No. 1,226,703; May 22; v. 238; p. 1016.
- Schmidt, Lawrence S., assignor to Schmidt-McCormick Company, Pittsburgh, Pa. Furnace-door frame. No. 1,211,883; Jan. 9; v. 234; p. 552.
- Schmidt, Lawrence S., assignor to Schmidt-McCormick Company, Pittsburgh, Pa. Furnace-door. No. 1,211,884; Jan. 9; v. 234; p. 552.
- Schmidt, Lawrence S., assignor to Schmidt-McCormick Company, Pittsburgh, Pa. Water-cooled floor. No. 1,234,222; July 24; v. 240; p. 985.
- Schmidt, Leonard L., and T. W. Beuchel, Belleville, Ill. Signal device for automobiles. No. 1,215,203; Feb. 6; v. 235; p. 251.
- Schmidt, Lionel, Poughkeepsie, N. Y., assignor to F. I. A. T. Starting mechanism for internal-combustion engines. No. 1,251,293; Dec. 25; v. 245; p. 957.
- Schmidt-McCormick Company. (See Schmidt, Lawrence S., assignor.)
- Schmidt, Otto, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing soluble tanning agents. No. 1,216,612; Feb. 20; v. 235; p. 841.
- Schmidt, Otto, Ludwigshafen-on-the-Rhine, and H. Blankenhorn, Mannheim, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Effecting catalytic hydrogenizations. No. 1,237,828; Aug. 21; v. 241; p. 809.
- Schmidt, Otto, Ludwigshafen-on-the-Rhine, K. Hochschwender and T. Eichler, Mannheim, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Producing partially-hydrogenized monocyclic hydrocarbons. No. 1,221,382; Apr. 3; v. 237; p. 134.
- Schmidt, Walter A. (See Bradley and Schmidt.)
- Schmidt, Walter A., assignor to Western Precipitation Company, Los Angeles, Cal. Extracting metals from their ores. No. 1,237,220; Aug. 14; v. 241; p. 575.
- Schmidt, Walter A., assignor to Western Precipitation Company, Los Angeles, Cal. Extracting metals from their ores. No. 1,237,221; Aug. 14; v. 241; p. 575.
- Schmidt, Walter A., Los Angeles, Cal., and L. Bradley, East Orange, N. J., assignors to Research Corporation, New York, N. Y. Separating the constituents of liquids. No. 1,232,395; July 3; v. 240; p. 285.
- Schmidt, Walter W., Fond du Lac, Wis. Screen-wire fastener. No. 1,213,029; Jan. 16; v. 234; p. 983.
- Schmidt, Wilhelm, Cassel-Wilhelmshöhe, Germany. Device for cooling the piston of an internal combustion engine. No. 1,223,622; Apr. 24; v. 237; p. 1019.
- Schmidt, William C., Richmond, Va. Indicating-bottle. No. 1,228,832; June 5; v. 239; p. 156.
- Schmidt, William E., Seattle, Wash. Eye-shield. No. 1,217,838; Feb. 27; v. 235; p. 1306.
- Schmidt, William F., St. Louis, Mo. Keyway-slotting device. No. 1,210,544; Jan. 2; v. 234; p. 57.
- Schmidt, William F., Ridgewood, N. J. Alphabetic filing system and outfit. No. 1,232,096; July 3; v. 240; p. 190.
- Schmidtke, John A. (See Turner, Clarence C., assignor.)
- Schmitt, Andrew P., Middle Village, N. Y. Ash-sifter. No. 1,242,050; Oct. 2; v. 243; p. 184.
- Schmitt, Clarence E. (See Hermann, Emanuel, assignor.)
- Schmitt, Conrad, Reinbeck, Iowa. Combination box and table. No. 1,236,012; Aug. 7; v. 241; p. 159.
- Schmitt, Edmund, Bridgeport, Conn., assignor to The National Silencer Company, Newark, N. J. Muffler. No. 1,236,987; Aug. 14; v. 241; p. 503.
- Schmitt, Edward D., assignor, by mesne assignments, to The American Pure Food Process Company, Baltimore, Md. Jar-cap. No. 1,242,604; Oct. 9; v. 243; p. 403.
- Schmitt, Frederick, Pocatello, Idaho. Boiler-flue-setting device. No. 1,222,806; Apr. 17; v. 237; p. 705.
- Schmitt, Leonard J. (See Mamman, Frank J., assignor.)
- Schmitz, Anthony A. (See Saunders and Schmitz.)
- Schmitz Engine Company. (See Schmitz, Richard, assignor.)
- Schmitz, Frank C., New York, N. Y. Electric furnace. No. 1,226,264; May 15; v. 238; p. 837.
- Schmitz, Frank C., New York, N. Y. Oxidizing gases. No. 1,242,987; Oct. 16; v. 243; p. 558.
- Schmitz, Frank C., New York, N. Y. Apparatus for oxidizing gases. No. 1,242,988; Oct. 16; v. 243; p. 558.
- Schmitz, John A., Merrickourt, N. D. Tire-carrier. No. 1,224,327; May 1; v. 238; p. 77.
- Schmitz, Michael G., Medicine Lake, Mont. Device for raising harrows. No. 1,212,695; Jan. 16; v. 234; p. 869.
- Schmitz, Pamphilus, San Francisco, Cal. Car-seal. No. 1,217,077; Feb. 20; v. 235; p. 995.
- Schmitz, Richard, Chicago, Ill., assignor to Schmitz Engine Company. Valve for gas-engines. No. 1,236,488; Aug. 14; v. 241; p. 340.
- Schmoller, John, St. Paul, Minn. Measuring-container. No. 1,222,245; Apr. 10; v. 237; p. 467.
- Schnabel, William C., Baltimore, Md. Building-construction unit. No. 1,250,031; Dec. 11; v. 245; p. 494.
- Schnaier, Milton, New York, N. Y., assignor to Milton Schnaier Contracting Corp. Spray-head for shower-baths. No. 1,229,327; June 12; v. 239; p. 370.
- Schnake, Henry C. (See Coggeshall and Schnake.)
- Schneckenburger, Marcus P., Warsaw, N. Y. Ensilage-cutter. No. 1,226,704; May 22; v. 238; p. 1016.
- Schneekloth, Henry, Holstein, Iowa. Boring-tool. No. 1,233,813; July 17; v. 240; p. 816.
- Schnee, Robert G., and F. W. Riley, assignors to The Republic Mausoleum Company, Cleveland, Ohio. Burial device. No. 1,247,338; Nov. 20; v. 244; p. 716.
- Schneebeli, Ellis C., E. E. Hellick, and M. A. Haldeman, assignors to G. A. Schneebeli & Co. Inc., Nazareth, Pa. Lace-drying machine. No. 1,238,576; Aug. 28; v. 241; p. 1084.
- Schneiblé, Frank, assignor to C. A. Schneible, Inc., New York, N. Y. Electrical advertising device. No. 1,225,865; May 15; v. 238; p. 697.
- Schneible, Joseph, Chicago, Ill. Treating fermented beverages. No. 1,238,577; Aug. 28; v. 241; p. 1085.
- Schneible, Joseph, Chicago, Ill. Separator. No. 1,238,829; Sept. 4; v. 242; p. 35.
- Schneible, Joseph, Chicago, Ill. Conserving fresh vegetables. No. 1,242,728; Oct. 9; v. 243; p. 441.
- Schneider, Alfred E. and B. W. Seattle, Wash. Wire-holding device. No. 1,228,059; May 29; v. 238; p. 1505.
- Schneider, Anthony, Whippany, N. J., assignor to American Cigar Company, New York, N. Y. Cigar-package. No. 1,229,660; June 12; v. 239; p. 483.
- Schneider, Bruno W. (See Schneider, Alfred E. and B. W.)
- Schneider, Casper V. (See Van Alstyne, John A., assignor.)
- Schneider, Charles C. (See Cutter, James H., assignor.)

Alphabetical list of patentees—Continued.

- Schneider, Charles F., Springfield, Ohio, assignor to The Robbins & Myers Company. Commutator. No. 1,210,703; Jan. 2; v. 234; p. 113.
- Schneider, Christian. (See Bosch, Mittasch, and Schneider.)
- Schneider, Christian. (See Mittasch, Schneider, and Morawitz.)
- Schneider, Christian, Sheffield, England. Apparatus for admitting air to furnaces. No. 1,243,883; Oct. 23; v. 243; p. 867.
- Schneider, Christian L., Davenport, Iowa. Lawn-edger. No. 1,214,597; Feb. 6; v. 235; p. 40.
- Schneider, Conrad, New York, N. Y. Swimming-sandal. No. 1,237,392; Aug. 21; v. 241; p. 670.
- Schneider, Daniel, assignor, by mesne assignments, to The Modern Threshing Cylinder Company, Spokane, Wash. Electric switch. No. 1,212,567; Jan. 16; v. 234; p. 821.
- Schneider, Daniel, assignor of one-fourth to W. Hoeffler and one-fourth to W. Zarneke, Spokane, Wash. Boltless rail-joint. No. 1,228,703; June 5; v. 239; p. 112.
- Schneider, Eberhard, New York, N. Y. Panoramic tilting device. No. 1,214,226; Jan. 30; v. 234; p. 1457.
- Schneider, Eberhard, New York, N. Y. Motion-picture apparatus. No. 1,242,605; Oct. 9; v. 243; p. 403.
- Schneider, Elizabeth C., executrix. (See Schneider, Eugene W.)
- Schneider, Ernest A. (See Walker and Schneider.)
- Schneider, Eugène, Le Creuzot, France. Apparatus for stabilizing the position of submerged floating mines. No. 1,229,661; June 12; v. 239; p. 484.
- Schneider, Eugène, Le Creuzot, France. Gas-check pad for gun breech-blocks and making same. No. 1,229,662; June 12; v. 239; p. 484.
- Schneider, Eugène, Le Creuzot, France. Submarine mine. No. 1,229,797; June 12; v. 239; p. 528.
- Schneider, Eugène, Le Creuzot, France. Percussion-fuse for projectiles. No. 1,232,853; July 10; v. 240; p. 469.
- Schneider, Eugène, Le Creuzot, France. Carriage and apparatus operable from a distant station. No. 1,233,712; July 17; v. 240; p. 785.
- Schneider, Eugène, Le Creuzot, France. Means of assembling elements of a sectional gun-barrel. No. 1,234,575; July 24; v. 240; p. 1099.
- Schneider, Eugène, Le Creuzot, France. Apparatus for controlling the rudders of submarines and other vessels. No. 1,237,393; Aug. 21; v. 241; p. 671.
- Schneider, Eugène, Le Creuzot, France. Means for connecting together the float and the sinker of a submarine mine. No. 1,244,377; Oct. 23; v. 243; p. 1013.
- Schneider, Eugène, Le Creuzot, France. Submerging-rudder for submarines. No. 1,246,475; Nov. 13; v. 244; p. 430.
- Schneider, Eugène, Le Creuzot, France. Power-transmitting and steering mechanism for caterpillar-tractors. No. 1,247,725; Nov. 27; v. 244; p. 861.
- Schneider, Eugène, Paris, France. Double-acting fuse for projectiles. No. 1,234,574; July 24; v. 240; p. 1099.
- Schneider, Eugene W., deceased; E. C. Schneider, executrix, New York, N. Y. Device for aiding the hearing. No. 1,219,671; Mar. 20; v. 236; p. 687.
- Schneider, Francis A., assignor to Ketterlinus Lithographic Manufacturing Company, Philadelphia, Pa. Display device, sign, &c. No. 1,250,671; Dec. 18; v. 245; p. 723.
- Schneider, Franklin. (See Sweet and Schneider.)
- Schneider, Franklin, assignor, by mesne assignments, to The Van Dorn Electric Tool Company, Cleveland, Ohio. Electrically-operated tool. No. 1,231,071; June 26; v. 239; p. 1027.
- Schneider, Frederick, Seattle, assignor of one-fourth to A. C. Tyler and one-fourth to A. Schuler, King county, Wash. Internal-combustion engine. No. 1,232,097; July 3; v. 240; p. 190.
- Schneider, Frederick D., Cleveland, Ohio, assignor to The Long-Landreth-Schneider Co., New Brunswick, N. J. Heater. No. 1,232,435; July 3; v. 240; p. 297.
- Schneider, Frederick D., assignor to The Long-Landreth-Schneider Co., New Brunswick, N. J. Burner. No. 1,241,032; Sept. 25; v. 242; p. 827.
- Schneider, Frederick D., assignor to The Long-Landreth-Schneider Co., New Brunswick, N. J. Heater construction. No. 1,246,332; Nov. 13; v. 244; p. 386.
- Schneider, George J., Detroit, Mich. Electrical water-purifying apparatus. No. 1,217,643; Feb. 27; v. 235; p. 1241.
- Schneider, Gustav H., San Antonio, Tex. Lawn-sprinkler. No. 1,249,838; Dec. 11; v. 245; p. 439.
- Schneider, Hans, New York, N. Y. Transmission-gearing. No. 1,230,798; June 19; v. 239; p. 895.
- Schneider, Hans, New York, N. Y. Transmission-gearing. No. 1,244,134; Oct. 23; v. 243; p. 941.
- Schneider, Heinrich, Essen-on-the-Ruhr, Germany. Leaching out hops. No. 1,232,098; July 3; v. 240; p. 191.
- Schneider, Henry, Alden, Minn. Plow. No. 1,217,839; Feb. 27; v. 235; p. 1307.
- Schneider, John M., Jr., Jersey City, N. J. Cigar-holder. No. 1,237,102; Aug. 14; v. 241; p. 540.
- Schneider, Leopold C., Philadelphia, Pa. Making flanged pipe. No. 1,222,679; Apr. 17; v. 237; p. 662.
- Schneider, Louis, and E. E. J. Duquette, Atlanta, Ga. Rotary plug-lock. No. 1,223,118; Apr. 17; v. 237; p. 812.
- Schneider, Math N., North Milwaukee, Wis. Register. No. 1,230,331; June 19; v. 239; p. 741.
- Schneider, Otto. (See Kaminski and Schneider.)
- Schneider, Philipp, St. Louis, Mo. Carpet-fastener. No. 1,219,167; Mar. 13; v. 236; p. 482.
- Schneider, Ralph F., New York, assignor to Charles J. Tagliabue Manufacturing Co., Brooklyn, N. Y. Carrier. No. 1,245,805; Nov. 6; v. 244; p. 201.
- Schneider, Stefan, Chicago, Ill. Ball-retainer. No. 1,241,669; Oct. 2; v. 243; p. 64.
- Schneider, William G., New York, assignor to W. A. Cochran, Sea Cliff, Long Island, N. Y. Lamp-holder. No. 1,212,406; Jan. 16; v. 234; p. 764.
- Schneider, Willy, assignor to The Salt's Textile Manufacturing Company, Bridgeport, Conn. Producing designs upon pile fabrics. No. 1,248,727; Dec. 4; v. 245; p. 89.
- Schneiderreit, Otto, Philadelphia, Pa. Extension-table. No. 1,232,396; July 3; v. 240; p. 286.
- Schnell, Lewis C. (See Laskewitz, Edward T., assignor.)
- Schnoor, Alexander F. C., Omaha, Neb. Fish-transportation system. No. 1,248,169; Nov. 27; v. 244; p. 987.
- Schnuck, Edward F., assignors to W. G. Burns, New York, N. Y., assignors to Jabez Burns & Sons. Scoop-out bin. No. 1,228,833; June 5; v. 239; p. 157.
- Schnug, Louis J. B., San Diego, Cal. Lap-joint for roofing. No. 1,220,463; Mar. 27; v. 236; p. 1004.
- Schnurr, George, Farmington, Wash. Motor-sled. No. 1,220,278; Mar. 27; v. 236; p. 937.
- Schobel, Heinrich. (See Anderwert and Schobel.)
- Schobel, Heinrich. (See Anderwert, Fritzsche, and Schobel.)
- Schoch, Floyd W., Jersey City, N. J. Oil storage and delivery apparatus. No. 1,226,914; May 22; v. 238; p. 1088.
- Schock, Clarence, Mount Joy, Pa. Food-chopper. No. 1,236,607; Aug. 14; v. 241; p. 378.
- Schock, Myron. (See Gildow and Schock.)
- Schoelerman, John P., Monte Vista, Colo. Rail-joint. No. 1,244,378; Oct. 23; v. 243; p. 1013.
- Schoell, Reinhold, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Latch. No. 1,212,117; Jan. 9; v. 234; p. 631.
- Schoell, Reinhold, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Combined handle and lock for vehicle-doors. No. 1,237,103; Aug. 14; v. 241; p. 541.
- Schoen, Peter, Jeffers, Minn. Pump attachment. No. 1,224,572; May 1; v. 238; p. 164.
- Schoenberg, Albert M., Spokane, Wash. Cut-film holder. No. 1,237,562; Aug. 21; v. 241; p. 724.
- Schoenberg, Albert M., Spokane, Wash. Loading device for cut-film frames. No. 1,237,563; Aug. 21; v. 241; p. 724.
- Schoenberg, Ralph A. (See Pape, Herman G., assignor.)
- Schoenberg, Ralph A., New York, N. Y. Attachment-plug. No. 1,224,505; May 1; v. 238; p. 139.
- Schoenberg, Ralph A., New York, N. Y. Means for operating switch mechanisms. No. 1,229,530; June 12; v. 239; p. 439.
- Schoenen, Frederick W., Great Falls, Mont. Submarine. No. 1,224,027; Apr. 24; v. 237; p. 1159.
- Schoenert, Carl, Newark, N. J. Thread-cutting tap. No. 1,232,099; July 3; v. 240; p. 191.
- Schoenfeld, Morris, Rorschach, Switzerland. Embroidery-machine. No. 1,248,555; Dec. 4; v. 245; p. 37.
- Schoenfeld, Morris, Rorschach, Switzerland. Cord-laying device for embroidery-machines. No. 1,248,556; Dec. 4; v. 245; p. 38.
- Schoenheit, August W. (See Pease and Schoenheit.)
- Schoenheiter, Herman K., Baltimore, Md., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Brake-shoe. No. 1,224,419; May 1; v. 238; p. 110.
- Schoening, William A., and J. Pachynski, Chicago, Ill. Window. No. 1,245,042; Oct. 30; v. 243; p. 1253.
- Schoeninger, John J., Brooklyn, N. Y. Bracelet. No. 1,231,796; July 3; v. 240; p. 87.
- Schoenky, August R., Somerville, assignor to The Reece Shoe Machinery Company, Boston, Mass. Sewing-machine. No. 1,210,545; Jan. 2; v. 234; p. 58.
- Schoenky, August R., Somerville, assignor to The Reece Shoe Machinery Company, Boston, Mass. Sewing-machine. No. 1,215,415; Feb. 13; v. 235; p. 359.
- Schoenky, August R., Somerville, assignor to The Reece Shoe Machinery Company, Boston, Mass. Machine for turning the lips of insoles. No. 1,220,691; Mar. 27; v. 236; p. 1081.
- Schoenky, August R., Somerville, assignor to Reece Shoe Machinery Company, Boston, Mass. Stop mechanism. No. 1,222,331; Apr. 10; v. 237; p. 497.
- Schoenky, August R., Somerville, assignor to The Reece Shoe Machinery Company, Boston, Mass. Driving mechanism for power-operated machines. No. 1,224,884; May 1; v. 238; p. 272.
- Schoenky, August R., Somerville, assignor to Reece Shoe Machinery Company, Boston, Mass. Retaining device. No. 1,226,705; May 22; v. 238; p. 1017.
- Schoenky, August R., Somerville, assignor to Reece Shoe Machinery Company, Boston, Mass. Press for cutting or punching sheet material. No. 1,288,834; June 5; v. 239; p. 157.
- Schoenky, August R., Somerville, assignor to Reece Shoe Machinery Company, Boston, Mass. Sewing-machine. No. 1,229,328; June 12; v. 239; p. 370.

- Schoenky, August R., Somerville, assignor to Reece Shoe Machinery Company, Boston, Mass. Hand-tacking device. No. 1,230,229; June 19; v. 239; p. 708.
- Schoenky, August R., Somerville, assignor to The Reece Shoe Machinery Company, Boston, Mass. Driving and stopping mechanism. No. 1,242,247; Oct. 9; v. 243; p. 287.
- Schoenky, August R., Somerville, Mass., assignor to Reece Shoe Machinery Company, Boston, Mass. Rounding-machine. No. 1,243,228; Oct. 16; v. 243; p. 632.
- Schoenky, August R., Somerville, assignor to Reece Shoe Machinery Company, Boston, Mass. Driving and stopping mechanism. No. 1,243,986; Oct. 23; v. 243; p. 897.
- Schoenky, Henry P., assignor to American Shoe Machinery & Tool Company, St. Louis, Mo. Wax-thread sewing-machine. No. 1,242,606; Oct. 9; v. 243; p. 403.
- Schoenky, Henry P., assignor to American Shoe Machinery & Tool Company, St. Louis, Mo. Punching, feeding, and channeling mechanism for sewing-machines. No. 1,242,607; Oct. 9; v. 243; p. 404.
- Schoenky, Henry P., assignor to American Shoe Machinery & Tool Company, St. Louis, Mo. Presser-foot for sewing-machines. No. 1,242,608; Oct. 9; v. 243; p. 404.
- Schoenky, Otto B. (See Younger and Schoenky.)
- Schoenl, Frank A., and H. Bieder, Cleveland, Ohio. Lubricator for leaf-springs. No. 1,222,807; Apr. 17; v. 237; p. 706.
- Schoenle, Frank A., Buffalo, N. Y. Magnetic latch device. No. 1,238,345; Aug. 28; v. 241; p. 1010.
- Schoenleber, Thomas R., Seattle, Wash. Film-feeding device for cameras. No. 1,219,672; Mar. 20; v. 236; p. 638.
- Schoenman, Charles B., Wilkinsburg, and R. M. Houck, Swissvale, Pa. Joint for electrical conductors. No. 1,225,366; May 8; v. 238; p. 488.
- Schoenmehl, Charles B., and M. L. Martus, assignors to The Waterbury Battery Company, Waterbury, Conn. Primary battery. No. 1,226,816; May 22; v. 238; p. 1056.
- Schoenthaler, Fred C., *et al.* (See Hachmann, Frederick, assignor.)
- Schoepf, Theodore H., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrically-propelled vehicle. No. 1,250,231; Dec. 18; v. 245; p. 593.
- Schofield-Burkett Construction Company. (See Burkett, Ira E., assignor.)
- Schofield, Frederick C. (See Billings and Schofield.)
- Schofield, George L., Kansas City, Mo. Rotary valve for hydrocarbon-engines. No. 1,222,680; Apr. 17; v. 237; p. 662.
- Schofield, George L., Kansas City, Mo. Rotary valve for internal-combustion engines. No. 1,222,681; Apr. 17; v. 237; p. 662.
- Schofield, Robert C., Freeport, Ill. Adjustable tongue-hound for wagons. No. 1,215,416; Feb. 13; v. 235; p. 359.
- Schohaus, Franz, La Paz, Bolivia. Non-telescoping railway rolling-stock. No. 1,234,809; July 31; v. 240; p. 1204.
- Scholer, Charles H., Minneapolis, Minn. Boring and grinding tool. No. 1,226,388; May 15; v. 238; p. 877.
- Scholl, Charles A., Philadelphia, Pa. Device for winding or coiling wire. No. 1,238,445; Aug. 28; v. 241; p. 1042.
- Scholl, Frank D., Granville, N. D. Automatic divider-block for hay-presses. No. 1,232,984; July 10; v. 240; p. 511.
- Scholl Manufacturing Company. (See Koppe, William P., assignor.)
- Scholl Mfg. Company, The. (See Wilms, Lee W., assignor.)
- Scholl, Robert W., Appleton, and S. F. Adrian, Stevens Point, Wis. Gas-stove-valve-control means. No. 1,233,406; July 17; v. 240; p. 685.
- Scholl, William M., Chicago, Ill. Arch-support. No. 1,216,849; Feb. 20; v. 235; p. 920.
- Scholl, William M., Chicago, Ill. Arch-support. No. 1,222,808; Apr. 17; v. 237; p. 706.
- Schollenbruch, Anna, Dusseldorf, Germany. Improving coke as fuel for stoves, hearths, and the like by filling up the pores thereof. No. 1,233,611; July 17; v. 240; p. 754.
- Scholly, Frank, Philadelphia, Pa. Automobile-lock. No. 1,230,799; June 19; v. 239; p. 896.
- Scholtz, V. J. (See Hanssen, William H., assignor.)
- Scholz, Carl, trustee. (See Carrick, Gerald S., assignor.)
- Scholz, Josef, Schenectady, N. Y. Cigarette-case. No. 1,218,705; Mar. 13; v. 236; p. 321.
- Scholz, Paul, Damsgaard, pr. Bergen, Norway. Gang-die for cutting and shaping sheet-metal articles. No. 1,225,277; May 8; v. 238; p. 454.
- Schönbaumfeld, Johann. (See Brand, Hugo, assignor.)
- Schöner, Bernhard. (See Clausius, Schöner, and Siebert.)
- Schonger, Frank, Kingston, N. Y. Antifrosting device. No. 1,228,482; June 5; v. 239; p. 37.
- Schoonhoven, Jacob, Shannon, Ill. Shocker-machine. No. 1,232,854; July 10; v. 240; p. 469.
- Schoonover, Charles O., assignor of one-half to A. E. Lyon, Los Angeles, Cal. Water-fitting for laundry-trays. No. 1,232,855; July 10; v. 240; p. 470.
- Schoonover, William J., Chicago, Ill. Washing-machine-operating mechanism. No. 1,220,366; Mar. 27; v. 236; p. 969.
- Schoonover, William J., Belvidere, Ill. Gearing device for washing-machines and wringers. No. 1,245,987; Nov. 6; v. 244; p. 251.
- Schoonover, William J., Belvidere, Ill. Gearing for washing-machines. No. 1,247,726; Nov. 27; v. 244; p. 862.
- Schoor, Robert, San Francisco, Cal. Rotary-pump mechanism. No. 1,231,072; June 26; v. 239; p. 1028.
- Schoor, Robert, San Francisco, assignor to Byron Jackson Iron Works, West Berkeley, Cal. Discharge-column for rotary pumps. No. 1,250,519; Dec. 18; v. 245; p. 679.
- Schory, Samuel B., New Waterford, Ohio. Wheel-tire. No. 1,250,672; Dec. 18; v. 245; p. 723.
- Schott, Friedrich, Heidelberg, Germany. Apparatus for utilizing the waste gases of Portland-cement, lime, and other kilns. No. 1,234,396; July 24; v. 240; p. 1041.
- Schott & Gen. (See Löw, Wilhelm, assignor.)
- Schott, George M., assignor to The Cincinnati Galvanizing Company, Cincinnati, Ohio. Making cans or metal receptacles. No. 1,246,947; Nov. 20; v. 244; p. 604.
- Schott, Louis, assignor to The Cincinnati Galvanizing Company, Cincinnati, Ohio. Shipping-case. No. 1,214,082; Jan. 30; v. 234; p. 1410.
- Schott, Wilfred B., West Salem, Ohio. Tub-cover. No. 1,222,035; Apr. 10; v. 237; p. 393.
- Schou, Cecil V. (See La Cote and Schou.)
- Schou, Paul, Copenhagen, Denmark. Pump. No. 1,250,232; Dec. 18; v. 245; p. 593.
- Schouboe, Jens T. S., Holte, near Copenhagen, Denmark. Trigger mechanism for automatic firearms. No. 1,230,930; June 26; v. 239; p. 977.
- Schrader, Adolph P. (See Schrader, Lee B., A. P., and S. A.)
- Schrader, Albert A., Cape Girardeau, Mo. Game apparatus. No. 1,216,850; Feb. 20; v. 235; p. 920.
- Schrader, Alfred, Minot, N. D. Plate for shoes. No. 1,237,829; Aug. 21; v. 241; p. 809.
- Schrader, Christian W. A., Philadelphia, Pa. Removable locking-grip handle. No. 1,241,890; Oct. 2; v. 243; p. 135.
- Schrader, Herbert. (See Wegner and Schrader.)
- Schrader, John R., New York, assignor of one-half to P. Gerst, Buffalo, N. Y. Fluid-pressure-suction apparatus. No. 1,226,818; May 22; v. 238; p. 1057.
- Schrader, Lee B., Shelbyville, A. F. Schrader, Evansville, Ind., and S. A. Schrader, Sapulpa, Okla. Horseshoe. No. 1,212,266; Jan. 16; v. 234; p. 715.
- Schrader, Lee G. (See Meng and Schrader.)
- Schrader, Samuel A. (See Schrader, Lee B., A. P., and S. A.)
- Schrader, William C. M., New York, N. Y. Carburetor-nozzle. No. 1,224,672; May 1; v. 238; p. 198.
- Schrage, Herman F., Palatine, Ill. Spring-motor. No. 1,228,975; June 5; v. 239; p. 202.
- Schram, Edmund E., Detroit, Mich. Portable indicator. No. 1,241,771; Oct. 2; v. 243; p. 96.
- Schrama, Andreas, Hamburg, Germany. Belt or garment supporter or holder. No. 1,223,739; Apr. 24; v. 237; p. 1061.
- Schramko, Frank, and J. Prazinka, Johnstown, Pa. Metallic tie and rail-fastener. No. 1,221,096; Apr. 3; v. 237; p. 32.
- Schramm, Joseph J., assignor of one-half to H. Kroemer, St. Louis, Mo. Collapsible seat for vehicles. No. 1,218,006; Mar. 6; v. 236; p. 41.
- Schramm, Paul, Chicago, Ill. Decorating wood. No. 1,225,504; May 8; v. 238; p. 532.
- Schrank, William, Philadelphia, Pa. Nozzle. No. 1,251,118; Dec. 25; v. 245; p. 905.
- Schranz, Frederick. (See Rowley and Schranz.)
- Schrears, Cornelius, Tolna, N. D. Bag-holder. No. 1,225,866; May 15; v. 238; p. 697.
- Schreck, Hans L. B., Pittsburgh, Pa. Universal coupling. No. 1,233,612; July 17; v. 240; p. 754.
- Schreckengast, Harry M., Avis, Pa. Corn-shocking horse. No. 1,251,428; Dec. 25; v. 245; p. 996.
- Schreiber, Aaron, *et al.* (See Zipperstein and Kaplan, assignors.)
- Schreiber, August, Beloit, Kans. Tire structure. No. 1,249,517; Dec. 11; v. 245; p. 345.
- Schreiber, Berthold. (See Gams and Schreiber.)
- Schreiber, Edward A., assignor to E. H. Gold, Chicago, Ill. Flexible pipe connection. No. 1,222,682; Apr. 17; v. 237; p. 663.
- Schreiber, Edward A., assignor to E. H. Gold, Chicago, Ill. Ticket-holder. No. 1,241,564; Oct. 2; v. 243; p. 31.
- Schreiber, Edward A., assignor to E. H. Gold, Chicago, Ill. Water system for railway passenger-cars. No. 1,249,518; Dec. 11; v. 245; p. 346.
- Schreiber, George P., Baltimore, Md. Cigar-band. No. 1,211,630; Jan. 9; v. 234; p. 462.
- Schreiber, George P., Baltimore, Md. Tool-socket. No. 1,250,673; Dec. 18; v. 245; p. 723.
- Schreiber, Hugo P. (See Van Daalen and Schreiber.)
- Schreiber, Nathan, *et al.* (See Zipperstein and Kaplan, assignors.)
- Schreiber, Norbert, and R. Rosenthal, Lincoln, Ill. Boiler-skimmer. No. 1,222,564; Apr. 10; v. 237; p. 580.
- Schreiber, William, Philadelphia, Pa. Gate-latch. No. 1,226,120; May 15; v. 238; p. 784.

Alphabetical list of patentees—Continued.

- Schreiber, William, Syracuse, N. Y. Garment-supporter. No. 1,230,800; June 19; v. 239; p. 896.
- Schreiber, William L., Philadelphia, Pa. Means for closing jars. No. 1,222,036; Apr. 10; v. 237; p. 393.
- Schreidt, Frank, Mansfield, Ohio. Sugar-bowl or the like. No. 1,217,078; Feb. 20; v. 235; p. 996.
- Schreier, Herman. (See Lindley and Schreier.)
- Schreier, Herman, Sheboygan, Wis. Attachment for holding dentures. No. 1,242,989; Oct. 16; v. 243; p. 558.
- Schreiner, Albert, Denver, Colo., assignor to The Schreiner Ladder Manufacturing Company. Suspension-hook for extension-ladders. No. 1,244,645; Oct. 30; v. 243; p. 1133.
- Schreiner, Albert, Denver, Colo., assignor to The Schreiner Ladder Manufacturing Company. Ladder-rung. No. 1,250,520; Dec. 18; v. 245; p. 679.
- Schreiner, Ernst C., Toledo, Ohio. Collapsible barrel. No. 1,226,018; May 15; v. 238; p. 750.
- Schreiner Ladder Manufacturing Company, The. (See Schreiner, Albert, assignor.)
- Schremp, Edward J., Utica, N. Y. Cutting and making underwear. No. 1,211,766; Jan. 9; v. 234; p. 508.
- Schreurs, Garrett W., Muscatine, Iowa. Spun. No. 1,233,613; July 17; v. 240; p. 755.
- Schreyer, Walter B., Detroit, Mich. Collapsible basket. No. 1,220,464; Mar. 27; v. 236; p. 1004.
- Schriber, Richard T., G. George, and W. H. Meacham, Alton Park, Tenn. Pneumatic valve mechanism. No. 1,233,923; July 17; v. 240; p. 853.
- Schrimpe, Conrad F., Perth Amboy, N. J., assignor to The Perth Amboy Chemical Works, New York, N. Y. Fuel and burning the same. No. 1,248,557; Dec. 4; v. 245; p. 38.
- Schriver, William, Spiroville, Ark. Cycle steering attachment. No. 1,230,801; June 19; v. 239; p. 896.
- Schroder, Edward J., Chicago, Ill. Building material. No. 1,218,217; Mar. 6; v. 236; p. 115.
- Schroder, Edward J., assignor to F. C. Lowrey, Chicago, Ill. Coloring roof-surfacing grit. No. 1,248,170; Nov. 27; v. 244; p. 988.
- Schroder, George, Berkeley, Cal. Needle-plate for sewing-machines. No. 1,232,722; July 10; v. 240; p. 426.
- Schröder, Wilhelm G., Lübeck, Germany. Arrangement for homogenizing liquids. No. 1,237,222; Aug. 14; v. 241; p. 575.
- Schröder, Wilhelm G., Lübeck, Germany. Process and apparatus for filling vessels with milk. No. 1,242,873; Oct. 9; v. 243; p. 487.
- Schroeder, Albert, Huron, S. D. Towing and steering device. No. 1,221,608; Apr. 3; v. 237; p. 211.
- Schroeder, Albert F., Cleveland, Ohio. Reel. No. 1,243,450; Oct. 16; v. 243; p. 697.
- Schroeder, Anthony J., Donaldsonville, La. Rocking-chair fan attachment. No. 1,241,670; Oct. 2; v. 243; p. 64.
- Schroeder Brothers Manufacturing Company. (See Ischer, Fritz, assignor.)
- Schroeder Brothers Manufacturing Company. (See Wadhams, Abner H., assignor.)
- Schroeder, Ernest A., and J. N. Tooker, Syracuse, assignors to Church & Dwight Company, New York, N. Y. Carton-opening machine. No. 1,220,566; Mar. 27; v. 236; p. 1040.
- Schroeder, Ernest R. (See Ostrander and Schroeder.)
- Schroeder, Ernst R., and C. M. Miller, Alameda, Cal. Process and apparatus for making porcelain inlays. No. 1,211,244; Jan. 2; v. 234; p. 299.
- Schroeder, Frank J., assignor to N. E. Gee, Altoona, Pa. Pneumatic hammer. No. 1,230,802; June 19; v. 239; p. 896.
- Schroeder, Frederick J., assignor, by mesne assignments, to The Damascus Brake Beam Co., Cleveland, Ohio. Forged fulcrum for brake-beams. No. 1,211,490; Jan. 9; v. 234; p. 414.
- Schroeder Headlight Co. (See Werzner, Edward H., assignor.)
- Schroeder, Herman D., assignor of one-half to F. G. Wagner, Los Angeles, Cal. Pump. No. 1,211,767; Jan. 9; v. 234; p. 509.
- Schroeder, Jacob A., assignor to The Municipal Machine Manufacturing Company, Piqua, Ohio. Street-sweeping machine. No. 1,221,480; Apr. 3; v. 237; p. 168.
- Schroeder, Jacob A., assignor to M. Schroeder, Piqua, Ohio. Street-sweeping machine. No. 1,244,083; Oct. 23; v. 243; p. 926.
- Schroeder, John. (See Fuller and Schroeder.)
- Schroeder, Mary. (See Schroeder, Jacob A., assignor.)
- Schroeder, Otto C., Detroit, Mich. Phonograph-record. No. 1,243,987; Oct. 23; v. 243; p. 897.
- Schroeder, Paul C., assignor to Sears, Roebuck and Company, Chicago, Ill. Punching-machine. No. 1,213,275; Jan. 23; v. 234; p. 1101.
- Schroeder, Simon E., Minier, Ill. Clutch-operating mechanism. No. 1,227,838; May 29; v. 238; p. 1429.
- Schroeder, Simon E., Minier, Ill. Washing-machine. No. 1,227,840; May 29; v. 238; p. 1430.
- Schroeder, Simon E., and C. W. Bird, Minier, Ill. Gearing. No. 1,227,839; May 29; v. 238; p. 1429.
- Schroer, Hans R., assignor to W. C. and C. R. Martineau, Albany, N. Y. Game. No. 1,210,854; Jan. 2; v. 234; p. 163.
- Schroetter, Arnold, New York, N. Y. Safety-catch for pins. No. 1,213,276; Jan. 23; v. 234; p. 1102.
- Schroeter Brothers Hardware Company. (See McDantel, Walter O., assignor.)
- Schroetter, Arnold, New York, N. Y., Pivot-mounting for pins and similar articles. No. 1,249,519; Dec. 11; v. 245; p. 346.
- Schorr, George L. (See Schrorr, Theodore H. and G. L.)
- Schorr, Theodore H., Caledonia, N. Y. Automatic traffic-signal. No. 1,231,949; July 3; v. 240; p. 138.
- Schorr, Theodore H. and G. L., Caledonia, N. Y. Automobile-headlight. No. 1,237,830; Aug. 21; v. 241; p. 809.
- Schroyer, Charles A., Oak Park, assignor to Q. & H. Company, Chicago, Ill. Car-door fastener. No. 1,226,706; May 22; v. 238; p. 1017.
- Schroyer, Harry H., Chicago, Ill., assignor to Acme Supply Company. Attaching and retaining means for vestibule-diaphragms and the like. No. 1,219,673; Mar. 20; v. 236; p. 688.
- Schroyer, Harry H., Chicago, Ill., assignor to The Acme Supply Company. Sash-spring. No. 1,229,531; June 12; v. 239; p. 439.
- Schroyer, Harry H., assignor to Acme Supply Company, Chicago, Ill. Revolving curtain-shield. No. 1,231,656; July 3; v. 240; p. 39.
- Schroyer, Harry H., assignor to Acme Supply Company, Chicago, Ill. Metal window-sash. No. 1,248,928; Dec. 4; v. 245; p. 146.
- Schroyer, Harry H., Chicago, Ill., assignor to Dunbar Manufacturing Company. Awning. No. 1,243,988; Oct. 23; v. 243; p. 897.
- Scharum, George H., Templeton, Iowa. Harrow. No. 1,241,033; Sept. 25; v. 242; p. 827.
- Schub, Charles H., New York, N. Y. Sectional mold for concrete construction. No. 1,250,032; Dec. 11; v. 245; p. 494.
- Schubert, Albert J., Kansas City, Mo. Automobile-jack. No. 1,248,929; Dec. 4; v. 245; p. 146.
- Schubert, Alfred, New York, N. Y. Rural mail-box. No. 1,248,171; Nov. 27; v. 244; p. 988.
- Schubert, Edward, assignor of one-half to O. W. Ullrich, Chicago, Ill. Beater. No. 1,237,707; Aug. 21; v. 241; p. 771.
- Schubert, Frederick, assignor to United States Gauge Company, Sellersville, Pa. Pressure-gage. (Reissue.) No. 14,339; July 31; v. 240; p. 1432.
- Schubert, Hermann F., Victoria, Tex. Well-drilling tool. No. 1,210,704; Jan. 2; v. 234; p. 114.
- Schubert, Joseph, Middletown, Conn. Latch. No. 1,219,168; Mar. 13; v. 236; p. 482.
- Schubert, Joseph E., Chicago, Ill., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,220,465; Mar. 27; v. 236; p. 1005.
- Schubert & Salzer Maschinenfabrik Aktiengesellschaft. (See Cecka, Franz, assignor.)
- Schubert & Salzer Maschinenfabrik, Aktiengesellschaft. (See Granz, Hermann W., assignor.)
- Schubert, William A., Hansford, Tex. Weed-cutting machine. No. 1,244,646; Oct. 30; v. 243; p. 1133.
- Schuchardt, Rudolph F., Chicago, Ill. Apparatus for power distribution. No. 1,210,705; Jan. 2; v. 234; p. 114.
- Schuchart, Paul A., Brooklyn, N. Y., assignor to Paper Service Co., Inc. Sheet-interfolding machine. No. 1,228,835; June 5; v. 239; p. 158.
- Schuckar, William. (See La Barre and Schuckar.)
- Schueler, Frederick, Bloomington, Ill. Window-ventilator. No. 1,217,225; Feb. 27; v. 235; p. 1092.
- Schuermann, Anton C. (See Mueller and Schuermann.)
- Schuette, Henry H., Napoleon, Ohio. Grain-cleaning means for threshing-machines. No. 1,230,437; June 19; v. 239; p. 775.
- Schuette, Walter B. (See Medley, John E., assignor.)
- Schuetting, Emil A., Poteet, Tex. Mold for tubular articles. No. 1,225,182; May 8; v. 238; p. 423.
- Schuhmann, George, Los Angeles, Cal. Gasolene-tank. No. 1,248,172; Nov. 27; v. 244; p. 988.
- Schuld, Mayme, Detroit, Mich. Umbrella-holder. No. 1,239,228; Sept. 4; v. 242; p. 163.
- Schulde, John, assignor, by mesne assignments, to Harry L. Hussmann Refrigerator & Supply Company, St. Louis, Mo. Show-case refrigerator. No. 1,225,682; May 8; v. 238; p. 592.
- Schulder, Fred, assignor to United Brass Manufacturing Company, Cleveland, Ohio. Stop and waste valve. No. 1,228,060; May 29; v. 238; p. 1505.
- Schüle, Georg C., Herisan, assignor to O. Schüle, Neu St. Johann, Switzerland. Flying-machine. No. 1,247,727; Nov. 27; v. 244; p. 862.
- Schüle, Otto. (See Schüle, Georg C., assignor.)
- Schüle, Rudolf, Frankfort-on-the-Main, Germany. Disazo dyestuff and making same. No. 1,241,153; Sept. 25; v. 242; p. 865.
- Schuler, Albert, et al. (See Schneider, Frederick, assignor.)
- Schuler, Frank H., Chicago, Ill. Valve. No. 1,236,216; Aug. 7; v. 241; p. 222.
- Schuler, George. (See Kraemer and Schuler.)
- Schuler, George, and E. Kraemer, Woodside, N. Y. Adjustable shade-roller. No. 1,212,696; Jan. 16; v. 234; p. 869.
- Schuler, George, and E. Kraemer, Woodside, N. Y. Adjustable shade-roller. No. 1,220,567; Mar. 27; v. 236; p. 1040.
- Schuler, John G. (See Terry, Neri, assignor.)
- Schuler, Ludwig H. (See Mueller and Schuler.)

- Schuler, Max, assignor to Anschütz & Co., Neumühlen, near Kiel, Germany. Device for damping oscillations of a gyroscope-pendulum. No. 1,228,061; May 29; v. 238; p. 1506.
- Schuller, Alfred L., Upper Montclair, assignor to Otis Elevator Company, Jersey City, N. J. Elevator. No. 1,226,020; May 15; v. 238; p. 750.
- Schulze, Herman E., Bayonne, N. J., assignor to Safety First Filter Company, Inc. Water-cooler. No. 1,228,836; June 5; v. 239; p. 158.
- Schulze, Herman E., New York, N. Y., assignor to Safety First Filter Company, Incorporated. Liquid dispensing and filtering bottle. No. 1,228,837; June 5; v. 239; p. 158.
- Schulte, Henry J., Fullerton, Cal. Engine-starter. No. 1,220,692; Mar. 27; v. 236; p. 1082.
- Schulte, William H., Trenton, N. J. Flush-valve. No. 1,225,278; May 8; v. 238; p. 454.
- Schultis, Charles F. (See McIntyre and Schultis.)
- Schultz, Charles A. (See McManus and Schultz.)
- Schultz, Daniel, Pueblo, Colo. Machine for trimming and finishing sewer-pipe and the like. No. 1,249,520; Dec. 11; v. 245; p. 346.
- Schultz, Frederick B., New York, N. Y. Doll. No. 1,232,856; July 10; v. 240; p. 470.
- Schultz, Fredrick H., Dayton, Ohio. Shear holding and operating device. No. 1,215,998; Feb. 13; v. 235; p. 569.
- Schultz, Herman, assignor of one-eighth to R. J. Goerner, Parkersburg, Iowa. Detachable handle for jars. No. 1,220,466; Mar. 27; v. 236; p. 1005.
- Schultz, Herman E., Jr., St. Louis, Mo., assignor to Zittlosen Manufacturing Company. Grass-catcher for lawnmowers. No. 1,219,169; Mar. 13; v. 236; p. 483.
- Schultz, Hjalmar R., Trafford Park, Manchester, England, assignor to Westinghouse Electric and Manufacturing Company. Oil-circuit breaker. No. 1,214,083; Jan. 30; v. 234; p. 1410.
- Schultz, Israel, Chicago, Ill. Wire seal. No. 1,219,046; Mar. 13; v. 236; p. 442.
- Schultz, Joseph R., St. Louis, Mo. Bottle-cap remover. No. 1,219,047; Mar. 13; v. 236; p. 442.
- Schultz, Konstanty. (See Melnik and Schultz.)
- Schultz, Michael J., Toledo, Ohio. Article-holding clip. No. 1,237,223; Aug. 14; v. 241; p. 575.
- Schultz, Michael J., Toledo, Ohio. Curtain-holder. No. 1,237,224; Aug. 14; v. 241; p. 576.
- Schultz, Nathaniel, Stockton, Cal. Fly-exterminator. No. 1,212,407; Jan. 16; v. 234; p. 764.
- Schultz, Oscar, Brooklyn, assignor to F. L. Smidth & Co., New York, N. Y. Grinding in tube-mills. No. 1,225,061; May 8; v. 238; p. 382.
- Schultz, Philip H., Worcester, Mass. Dress. No. 1,237,394; Aug. 21; v. 241; p. 671.
- Schultz, Richard F. C., assignor to Joliet Railway Supply Company, Chicago, Ill. Locking-block for brake-hangers. No. 1,220,367; Mar. 27; v. 236; p. 970.
- Schultz, Walter W. H., Wayside, Wis. Adjustable gate-hinge. No. 1,245,127; Oct. 30; v. 243; p. 1279.
- Schultz, Wilbur I., Sr., Clay City, Ind. Film-roll holder. No. 1,213,694; Jan. 23; v. 234; p. 1246.
- Schultz, William L. (See Struke, Frederick C., assignor.)
- Schultze, F. W., et al. (See Pittaluga, Stefano, assignor.)
- Schultze, Theodore C., Grand Rapids, Mich. Vehicle-spring lubricator. No. 1,222,146; Apr. 10; v. 237; p. 431.
- Schulz, Albert C., Bridgeport, Conn., assignor to The Locomobile Company of America, New York, N. Y. Dumping and removable body. No. 1,243,635; Oct. 16; v. 243; p. 754.
- Schulz, Albert C., Bridgeport, Conn., assignor to The Locomobile Company of America, New York, N. Y. Removable body for vehicles. No. 1,243,636; Oct. 16; v. 243; p. 754.
- Schulz, Albert C., assignor to The Locomobile Company of America, Bridgeport, Conn. Illuminating device for vehicles. No. 1,248,930; Dec. 4; v. 245; p. 147.
- Schulz, Carl F., Brooklyn, N. Y. Thermo-electric carburetor. No. 1,216,613; Feb. 20; v. 235; p. 841.
- Schulz, Ernest R., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Car construction. No. 1,224,573; May 1; v. 238; p. 164.
- Schulz, H. F. (See Oller, Oscar B., assignor.)
- Schulz, Lajos O., Harrison, N. Y. Convertible chair. No. 1,216,172; Feb. 13; v. 235; p. 633.
- Schulz, Otto C., assignor to Bauer & Black, Chicago, Ill. Adhesive-plaster container. No. 1,210,546; Jan. 2; v. 234; p. 58.
- Schulz, Otto C., assignor to Bauer & Black, Chicago, Ill. Surgical swab. No. 1,221,227; Apr. 3; v. 237; p. 80.
- Schulz, Otto C., assignor to Bauer & Black, Chicago, Ill. First-aid packet or package. No. 1,234,397; July 24; v. 240; p. 1042.
- Schulz, Otto C., assignor to Bauer & Black, Chicago, Ill. Adhesive-plaster container. No. 1,246,830; Nov. 13; v. 244; p. 534.
- Schulz, Otto W., Denver, Colo. Collar-button. No. 1,218,483; Mar. 6; v. 236; p. 205.
- Schulz, Paul O., Boyd, Minn. Transmitter-cut-out device. No. 1,226,389; May 15; v. 238; p. 877.
- Schulze, Charles, Rice Lake, Wis. Firearm. No. 1,220,693; Mar. 27; v. 236; p. 1083.
- Schulze, John H., St. Louis, Mo. Heater. No. 1,232,723; July 10; v. 240; p. 427.
- Schulze, Leon F. and R., Cleveland, Ohio. Metal-working machine. No. 1,243,989; Oct. 23; v. 243; p. 898.
- Schulze, Robert. (See Schulze, Leon F. and R.)
- Schumacher, August, New Rochelle, and H. Doll, New York, N. Y. Sheet-tracking device. No. 1,233,130; July 10; v. 240; p. 558.
- Schumacher, Frederick H., Jersey City, N. J. Adjustable nursing-bottle holder. No. 1,222,246; Apr. 10; v. 237; p. 468.
- Schumacher, Gerard, Anniston, Ala. Sectional culvert-pipe and the like. No. 1,225,867; May 15; v. 238; p. 698.
- Schumacher, Henry, Buffalo, N. Y. Asphalt-cutter. No. 1,250,521; Dec. 18; v. 245; p. 679.
- Schumacher, John and J. E., Los Angeles, Cal. Building construction. No. 1,242,609; Oct. 9; v. 243; p. 405.
- Schumacher, Joseph E. (See Schumacher, John and J. E.)
- Schumacher, Margarita, Los Angeles, Cal. Safety means for vehicles. No. 1,237,104; Aug. 14; v. 241; p. 541.
- Schumacher, Wilhelm, Berlin, Germany, assignor to General Briquetting Company, New York, N. Y. Agglomeration of fine ores and fine-dust. No. 1,222,893; Apr. 17; v. 237; p. 735.
- Schumaker, William, Detroit, Mich. Colter. No. 1,221,915; Apr. 10; v. 237; p. 351.
- Schuman, Jacob, Irvington, N. J. Chair. No. 1,248,931; Dec. 4; v. 245; p. 147.
- Schuman, Julius, San Francisco, Cal. Handle attachment for suit-boxes. No. 1,239,130; Sept. 4; v. 242; p. 132.
- Schumann, Detlef K. H., Hamburg, Germany. Respirator. No. 1,222,683; Apr. 17; v. 237; p. 663.
- Schumann, Frank J., assignor to The Standard Welding Company, Cleveland, Ohio. Machine for punching and setting tires. No. 1,219,170; Mar. 13; v. 236; p. 483.
- Schureman, Frederick A., and W. J. Kelly, Brooklyn, N. Y. Clothes-line suspension. No. 1,248,173; Nov. 27; v. 244; p. 988.
- Schurman, Elias W., Central Bedeque, Prince Edward Island, Canada, assignor of one-half to A. M. Graham, Boston, Mass. Vehicle-light. No. 1,217,644; Feb. 27; v. 235; p. 1242.
- Schurr, Charles H., assignor to H. T. Bradner, Cleveland, Ohio. Generating the teeth of helical gear-wheels. No. 1,230,940; June 26; v. 239; p. 982.
- Schurr, Charles H., and E. J. Lees, assignors to The Lees Bradner Company, Cleveland, Ohio. Cutting a worm. No. 1,243,767; Oct. 23; v. 243; p. 830.
- Schussler, John H., assignor to Acme Printing Appliance Company, Chicago, Ill. Electrically-heated embossing-base. No. 1,217,226; Feb. 27; v. 235; p. 1092.
- Schuster, Anna, Gower, Mo. Measuring device. No. 1,229,798; June 12; v. 239; p. 528.
- Schuster, August G. F., and I. R. Johnson, Chicago, Ill. Container. No. 1,238,830; Sept. 4; v. 242; p. 35.
- Schuster, Ernst W., Chicago, Ill. Steam-motor. No. 1,231,207; June 26; v. 239; p. 1073.
- Schuster, Karl R., New York, N. Y., assignor to F. M. Barton, Chicago, Ill. Concrete building. No. 1,217,645; Feb. 27; v. 235; p. 1242.
- Schuster, Nicholas, assignor to British Coke Ovens Limited, London, England. Extracting ammonia from ammoniacal liquor. No. 1,244,903; Oct. 30; v. 243; p. 1212.
- Schuster-Patent-Gesellschaft. (See Schuster, Richard, assignor.)
- Schuster, Richard, Puppeling, assignor, by mesne assignments, to Schuster-Patent-Gesellschaft, Berlin, Germany. Galvanic battery. No. 1,240,885; Sept. 25; v. 242; p. 781.
- Schuster, Richard, Puppeling, assignor to Schuster-Patent-Gesellschaft m. b. H., Berlin, Germany. Galvanic battery. No. 1,240,886; Sept. 25; v. 242; p. 781.
- Schutt, Duny A., Chicago, Ill., assignor to International Harvester Company of New Jersey. Grain-drill. No. 1,226,707; May 22; v. 238; p. 1017.
- Schutt, Owen, Decatur, Mich. Stock-slip. No. 1,210,547; Jan. 2; v. 234; p. 59.
- Schutt, Peter E., Parkside, Saskatchewan, Canada. Apparatus for raising liquids. No. 1,249,521; Dec. 11; v. 245; p. 346.
- Schutt, Theodore H. (See Weatherhead and Schutt.)
- Schutte, August E., Northboro, Mass. Roadway and pavement. No. 1,218,218; Mar. 6; v. 236; p. 115.
- Schutte, Henry. (See Vogt and Schutte.)
- Schutz, Harry H., Los Lunas, N. Mex. Plug-tobacco cutter. No. 1,212,118; Jan. 9; v. 234; p. 632.
- Schutz, John, assignor of one-half to J. Benovy, Chicago, Ill. Power-operated shears. No. 1,228,838; June 5; v. 239; p. 159.
- Schutz, Otto, New York, N. Y. Valve for pneumatic tires. No. 1,211,245; Jan. 2; v. 234; p. 300.
- Schutz, Otto, New York, N. Y. Pneumatic tire. No. 1,216,851; Feb. 20; v. 235; p. 920.
- Schutz, Otto, New York, N. Y. Pneumatic tire. No. 1,232,100; July 3; v. 240; p. 191.
- Schutze, Charles L., Hannibal, Mo. Musical chart. No. 1,214,380; Jan. 30; v. 234; p. 1513.
- Schuyler, Clyde M., Plevna, Kans. Automatic motor-cycle-stand catch. No. 1,233,512; July 17; v. 240; p. 720.
- Schuyler, Frank B., Berkeley, Cal. Spring-leaf-tapering machine. No. 1,230,523; June 19; v. 239; p. 805.

Alphabetical list of patentees—Continued.

- Schuyler, Frank B., Berkeley, Cal. Operating mechanism for washing-machines. No. 1,246,664; Nov. 13; v. 244; p. 486.
- Schuyler, Russell P., Chicago, Ill. Lubricating device. No. 1,216,505; Feb. 20; v. 235; p. 802.
- Schuyler, William B., San Francisco, Cal. Rice-popping machine. No. 1,237,708; Aug. 21; v. 241; p. 772.
- Schuyler, Wilton S., Savannah, Mo. Running-board support for use on automobiles. No. 1,215,721; Feb. 13; v. 235; p. 471.
- Schuyllkill Silk Mills. (See Strause, Mahlon S., assignor.)
- Schwab, John J., New York, N. Y. Transposer. No. 1,216,852; Feb. 20; v. 235; p. 921.
- Schwab, Leon C., assignor to A. O. Smith Company, Milwaukee, Wis. Automobile-wheel. No. 1,227,841; May 29; v. 238; p. 1430.
- Schwab, Louis. (See Sampson, Robert W., assignor.)
- Schwab, Peter A., New York, N. Y. Door-latch. No. 1,250,522; Dec. 18; v. 245; p. 680.
- Schwab Safe Company. (See Pyle, Paul E., assignor.)
- Schwab, William H. (See Lange, John H., assignor.)
- Schwab, Otto, Jersey City, N. J., assignor to R. H. Lieberthal, New York, N. Y. Dental tool. No. 1,227,207; May 22; v. 238; p. 1189.
- Schwall, Louis K., Chicago, Ill. Gas-cock. No. 1,221,771; Apr. 3; v. 237; p. 266.
- Schwander, Peter W., Houston, Tex. Check-book. No. 1,222,037; Apr. 10; v. 237; p. 393.
- Schwanebeck, Harry, Baltimore, Md. Automatic atmosphere-valve. No. 1,224,221; May 1; v. 238; p. 38.
- Schwaneberg, Hermann, Tompkinsville, N. Y. Evaporating apparatus. No. 1,242,481; Oct. 9; v. 243; p. 362.
- Schwanhauser, Frederick, Jersey City, N. J. Lantern-slide carrier. No. 1,233,407; July 17; v. 240; p. 685.
- Schwartzfager, Frederick A., Chicago, Ill. Shoe-polishing apparatus. No. 1,232,857; July 10; v. 240; p. 471.
- Schwartz, A. Charles. (See Grabau and Schwartz.)
- Schwartz, Albert A., assignor to Royal Typewriter Company, Inc., New York, N. Y. Paper-feed roll for writing-machines. No. 1,247,456; Nov. 20; v. 244; p. 750.
- Schwartz, Alvin, New York, N. Y. Knitting-machine. No. 1,228,483; June 5; v. 239; p. 37.
- Schwartz, Charles R., Minneapolis, Minn. Dental measuring-tool. No. 1,233,131; July 10; v. 240; p. 559.
- Schwartz, Charles S., Kirksville, Mo. End-gate fastener. No. 1,240,608; Sept. 18; v. 242; p. 661.
- Schwartz, Edward H., Chicago, Ill. Deoxidizing and refining ferrous metals. No. 1,215,065; Feb. 6; v. 235; p. 205.
- Schwartz, Frank, Winthrop, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Stiffening parts of boots and shoes. No. 1,215,875; Feb. 13; v. 235; p. 526.
- Schwartz, Frank, Winthrop, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Toe or heel stiffener. No. 1,215,876; Feb. 13; v. 235; p. 526.
- Schwartz, Gardner E., Waldoboro, Me. Hat-pin guard. No. 1,215,204; Feb. 6; v. 235; p. 251.
- Schwartz, George L., *et al.* (See Sheldon, Carson J., assignor.)
- Schwartz, Gerhardt F., St. Louis, Mo. Thermostatic valve. No. 1,210,706; Jan. 2; v. 234; p. 114.
- Schwartz, Herman, Philadelphia, Pa., and A. A. Grundy, Brooklyn, N. Y., assignors to themselves and S. Grushlaw, Philadelphia, Pa. Crank and lever mechanism. No. 1,232,101; July 3; v. 240; p. 191.
- Schwartz, Joseph, Detroit, Mich. Cutter-head. No. 1,249,839; Dec. 11; v. 245; p. 439.
- Schwartz, Joseph W., New York, N. Y. Cloth-winding machine. No. 1,222,038; Apr. 10; v. 237; p. 393.
- Schwartz, Leo J., Winnetoon, Nebr. Concave for threshing-machines. No. 1,226,601; May 15; v. 238; p. 943.
- Schwartz, Louis, Astoria, and L. Liebman, Brooklyn, N. Y. Clothes-line hanger. No. 1,251,119; Dec. 25; v. 245; p. 906.
- Schwartz, Michael, assignor to Automatic Electric Company, Chicago, Ill. Telephone trunking system. No. 1,217,510; Feb. 27; v. 235; p. 1194.
- Schwartz, Moritz D., New York, N. Y. Chandelier. No. 1,219,171; Mar. 13; v. 236; p. 483.
- Schwartz, Nicholas C. E., Chicago, Ill. Vaginal-syringe. No. 1,211,246; Jan. 2; v. 234; p. 300.
- Schwartz, Stephen, assignor to Jenkins Petroleum Process Company, Milwaukee, Wis. Treating heavier hydrocarbons. No. 1,247,883; Nov. 27; v. 244; p. 906.
- Schwartz, William F., Rochester, N. Y. Article-lock. No. 1,229,663; June 12; v. 239; p. 484.
- Schwartz, Estate of William. (See Labadie and Beers, assignors.)
- Schwartzman, Abraham, assignor of one-half to L. S. Bauman, St. Louis, Mo. Bracelet. No. 1,211,631; Jan. 9; v. 234; p. 462.
- Schwartzman, Abraham, St. Louis, Mo., assignor to W. S. Hale, Pittsburg, Kans. Emblem brooch, pin, or the like. No. 1,224,965; May 8; v. 238; p. 350.
- Schwartzman, M. Lester, and A. R. Simon, Philadelphia, Pa. Yarn-measuring device. No. 1,248,174; Nov. 27; v. 244; p. 989.
- Schwarz, Alfred, Joplin, Mo., assignor to Metals Recovery Company, New York, N. Y. Ore-concentrating. No. 1,237,961; Aug. 21; v. 241; p. 849.
- Schwarz, Alfred, New York, assignor to W. Scully, trustee, Brooklyn, N. Y. Rotary engine. No. 1,239,829; Sept. 11; v. 242; p. 383.
- Schwarz, Christine, Chicago, Ill. Garment-retainer. No. 1,220,896; Mar. 27; v. 236; p. 1151.
- Schwarz, Constantine P., Cleveland, Ohio. Leaf-spring. No. 1,219,592; Mar. 20; v. 236; p. 659.
- Schwarz, Elmer H., New York, N. Y., assignor to General Electric Company. Automatic switch. No. 1,221,609; Apr. 3; v. 237; p. 212.
- Schwarz, Henry G., Denver, Colo. Breaker and drier. No. 1,217,351; Feb. 27; v. 235; p. 1135.
- Schwarz, Justin O., and G. Bjorklund, New York, N. Y., assignors to Hardman Peck & Co. Mechanical musical instrument. No. 1,217,227; Feb. 27; v. 235; p. 1092.
- Schwarze, Carl J., assignor to Schwarze Electric Company, Adrian, Mich. Commutator. No. 1,229,149; June 5; v. 239; p. 260.
- Schwarze Electric Company. (See Schwarze, Carl J., assignor.)
- Schwarzmann, Leon, Washington, D. C. Embroidery-sewing machine. No. 1,234,393; July 24; v. 240; p. 1042.
- Schwarzmann, Wolfgang E. (See Torén, Charles F., assignor.)
- Schwarzmann, Wolfgang E., Springfield, Mass., assignor to Bosch Magneto Company, New York, N. Y. Distributing mechanism for electrical ignition systems. No. 1,226,817; May 22; v. 238; p. 1056.
- Schwarzmann, Wolfgang E., and C. M. Wild, Springfield, Mass., assignors to Bosch Magneto Company. Electromagnetic vibrator. No. 1,211,768; Jan. 9; v. 234; p. 509.
- Schwehm, Ernest. (See Schwehm, Harry J. and E.)
- Schwehm, Harry J. and E., Philadelphia, Pa. Weaving horsehair cloth. No. 1,219,674; Mar. 20; v. 236; p. 689.
- Schweiger, William F. (See Richmond, Balkwill, and Schweiger.)
- Schweiger, William F., assignor to Multipost Company, Rochester, N. Y. Stamp-afixing machine. No. 1,225,868; May 15; v. 238; p. 698.
- Schweinert, Maximilian C. (See Kraft and Schweinert.)
- Schweinert, Maximilian C., West Hoboken, N. J. Valve. No. 1,210,707; Jan. 2; v. 234; p. 115.
- Schweinert, Maximilian C., West Hoboken, N. J. Pressure-gage. No. 1,248,429; Nov. 27; v. 244; p. 1060.
- Schweinert, Maximilian C., West Hoboken, N. J., and H. P. Kraft, Brooklyn, N. Y. Tire-valve. No. 1,211,769; Jan. 9; v. 234; p. 510.
- Schweinert, Maximilian C., West Hoboken, and H. P. Kraft, Ridgewood, N. J. Pump connection or the like. No. 1,213,958; Jan. 30; v. 234; p. 1366.
- Schweinert, Maximilian C., West Hoboken, and H. P. Kraft, Ridgewood, N. J. Vacuum-valve. No. 1,220,694; Mar. 27; v. 236; p. 1083.
- Schweinert, Maximilian C., West Hoboken, and J. Volckhausen, Weehawken, N. J. Tire-valve. No. 1,216,853; Feb. 20; v. 235; p. 921.
- Schweiss, Joseph, St. Louis, Mo. Deflection-indicator. No. 1,238,578; Aug. 28; v. 241; p. 1085.
- Schweiss, Joseph, assignor to Landis Machine Company, St. Louis, Mo. Button-stapling machine. No. 1,244,135; Oct. 23; v. 243; p. 941.
- Schweitzer, Charles F., Newark, N. J. Mechanical movement. No. 1,221,097; Apr. 3; v. 237; p. 33.
- Schweitzer & Conrad. (See Conrad, Nicholas J., assignor.)
- Schweitzer & Conrad. (See Schweitzer, Edmund O., assignor.)
- Schweitzer & Conrad. (See Schweitzer and Conrad, assignors.)
- Schweitzer, Edmund O. (See Herz, Alfred, assignor.)
- Schweitzer, Edmund O. (See Ster, Edward F., assignor.)
- Schweitzer, Edmund O., Chicago, Ill. Overload circuit-breaking apparatus. No. 1,211,967; Jan. 9; v. 234; p. 584.
- Schweitzer, Edmund O., Chicago, Ill. Overload circuit-opener. No. 1,214,718; Feb. 6; v. 235; p. 84.
- Schweitzer, Edmund O., Chicago, Ill. Fuse device. No. 1,215,999; Feb. 13; v. 235; p. 570.
- Schweitzer, Edmund O., Chicago, Ill. Electrical distributing means. No. 1,224,966; May 8; v. 238; p. 350.
- Schweitzer, Edmund O., Chicago, Ill. Gauze brush. No. 1,228,484; June 5; v. 239; p. 37.
- Schweitzer, Edmund O., assignor to Schweitzer & Conrad, Chicago, Ill. Fuse device. No. 1,240,795; Sept. 18; v. 242; p. 720.
- Schweitzer, Edmund O., and A. Herz, Chicago, Ill. Fuse device. (Reissue.) No. 1,4416; Dec. 25; v. 245; p. 1005.
- Schweitzer, Edmund O., and N. J. Conrad, Chicago, Ill., assignors to Schweitzer & Conrad. Circuit-protecting device. No. 1,215,722; Feb. 13; v. 235; p. 471.
- Schweitzer, Edmund O., and N. J. Conrad, Chicago, Ill., assignors to Schweitzer & Conrad. Fuse device. No. 1,223,623; Apr. 24; v. 237; p. 1019.
- Schweitzer, Edmund O., and N. J. Conrad, assignors to Schweitzer & Conrad, Chicago, Ill. Fuse device. No. 1,246,792; Nov. 13; v. 244; p. 523.
- Schweitzer, Estate of William. (See Labadie and Beers, assignors.)
- Schweizer, Gottfried E., Bridgeport, Conn. Head-lamp for automobiles. No. 1,235,065; July 31; v. 240; p. 1285.

- Schwenk, Elizabeth G., assignor to H. Toegel, Newark, N. J. Strike-plate. No. 1,214,227; Jan. 30; v. 234; p. 1457.
- Schwentler, Francis E., assignor to The American Brake Company, St. Louis, Mo. Weldless brake-rod. No. 1,210,708; Jan. 2; v. 234; p. 115.
- Schwentler, Francis E., assignor to American Brake Company, St. Louis, Mo. Brake-beam. No. 1,225,869; May 15; v. 238; p. 698.
- Schwerdtle, Henry G. (See Reifsnnyder and Schwerdtle.)
- Schwerdtmann, Herman H. K. (See Hill and Schwerdtmann.)
- Schwerin, Botho, assignor to Elektro-Osmose Aktiengesellschaft (Graf Schwerin Gesellschaft), Frankfort-on-the-Main, Germany. Manufacture of hydroxide of aluminium. No. 1,216,371; Feb. 20; v. 235; p. 755.
- Schwerin, Botho, Frankfort-on-the-Main, assignor to Elektro-Osmose Aktiengesellschaft (Graf Schwerin Gesellschaft), Berlin, Germany. Process for tanning and impregnating materials by means of electricity. No. 1,229,150; June 5; v. 239; p. 260.
- Schwerin, Botho, assignor to Gesellschaft für Elektro-Osmose m. b. H., Frankfort-on-the-Main, Germany. Purifying and separating finely-divided substances. No. 1,229,203; June 5; v. 239; p. 279.
- Schwerin, Botho, assignor to Elektro-Osmose Aktiengesellschaft (Graf Schwerin Gesellschaft), Frankfort-on-the-Main, Germany. Separation of finely-divided substances from coarse and foreign matters. No. 1,230,524; June 19; v. 239; p. 805.
- Schwerin, Botho, assignor to Elektro-Osmose Aktiengesellschaft (Graf Schwerin Gesellschaft), Frankfort-on-the-Main, Germany. Treatment of clay and kaolin by elutriation. No. 1,233,713; July 17; v. 240; p. 785.
- Schwerin, Botho, assignor to Elektro-Osmose Aktiengesellschaft (Graf Schwerin Gesellschaft), Frankfort-on-the-Main, Germany. Electro-osmotic treating of liquid mixtures. No. 1,235,063; July 31; v. 240; p. 1284.
- Schwerin, Botho, assignor to Elektro-Osmose Aktiengesellschaft (Graf Schwerin Gesellschaft), Frankfort-on-the-Main, Germany. Electro-osmotic purification of gelatinous substances. No. 1,235,064; July 31; v. 240; p. 1285.
- Schwerin, Botho, assignor to Elektro-Osmose Aktiengesellschaft (Graf Schwerin Gesellschaft), Frankfort-on-the-Main, Germany. Impregnating artificial and natural materials. No. 1,238,202; Aug. 28; v. 241; p. 962.
- Schwerin, Sigmund H. (See Kotter, Colton, and Schwerin.)
- Schwertfeger, Albert A. (See Schwertfeger, Florian F. and A. A.)
- Schwertfeger, Florian F. and A. A., Oshkosh, Wis. Stock-waterer. No. 1,231,073; June 26; v. 239; p. 1028.
- Schwieterman, Clem J., assignor to Surbrug Chocolate Corporation, New York, N. Y. Coin-operated vending-machine. No. 1,213,548; Jan. 23; v. 234; p. 1198.
- Schwing, Henrietta, assignor to Mark Cross Company, New York, N. Y. Serving-dish. No. 1,225,870; May 15; v. 238; p. 698.
- Schwinn, Frank W., Chicago, Ill. Starter for internal-combustion engines. No. 1,215,877; Feb. 13; v. 235; p. 526.
- Schwinn, Frank W., Chicago, Ill. Universal joint. No. 1,243,347; Oct. 16; v. 243; p. 668.
- Schwinn, Ignaz, Chicago, Ill. Motor-cycle-frame construction. No. 1,223,740; Apr. 24; v. 237; p. 1061.
- Schwister, John, assignor of one-half to A. S. Anderson, St. Paul, Minn. Hydraulic hoist for dumping-vehicles. No. 1,223,741; Apr. 24; v. 237; p. 1061.
- Schwittall, Gustav, and H. Davidovitz, New York, N. Y. Bicycle-sled. No. 1,242,990; Oct. 16; v. 243; p. 559.
- Schwitzgebel, Lula, Clifton, Oreg. Button-hook. No. 1,242,248; Oct. 9; v. 243; p. 288.
- Scientific Accounting Company. (See Sewell, William B., assignor.)
- Scientific Farming Machinery Company. (See Hicks, Thomas W., assignor.)
- Scilligo, Cornelius G. (See Steffan and Scilligo.)
- Sclater, Arthur W., Piccadilly, Westminster, England. Electric contact-box. No. 1,227,837; May 29; v. 238; p. 1429.
- Sclater, Arthur W., Westminster, London, England. Fitting for conduits for electrical conductors. No. 1,246,333; Nov. 13; v. 244; p. 886.
- Scoble, Thomas. (See Murray, John D., assignor.)
- Scodfield, Virgil A., Cochise, Ariz. Moistening device for envelopes. No. 1,246,793; Nov. 13; v. 244; p. 524.
- Scodfield, Walter P., Woodrow, assignor of one-half to D. C. Gillett, Tampa, Fla. Fence. No. 1,228,062; May 29; v. 238; p. 1506.
- Scognamiglio, Francis, New York, N. Y. Warning-signal. No. 1,237,105; Aug. 14; v. 241; p. 541.
- Scognamiglio, Salvatore, New York, N. Y. Electrically-controlled valve mechanism for motors. No. 1,220,011; Mar. 20; v. 236; p. 804.
- Scollard, Pelice, Providence, R. I. Cradle. No. 1,246,476; Nov. 13; v. 244; p. 430.
- Scollard, Clement B., Seattle, Wash. Combined telegraph-key and spring-jack switch. No. 1,242,051; Oct. 2; v. 243; p. 185.
- Scopoloni, John B., Boston, Mass. Garment-sleeve. No. 1,214,228; Jan. 30; v. 234; p. 1458.
- Scopelliti, Joseph, Harrison, N. J. Shock-absorber. No. 1,248,175; Nov. 27; v. 244; p. 989.
- Scott, Louis K., Chicago, Ill. Tone-arm support for talking-machines. No. 1,216,614; Feb. 20; v. 235; p. 841.
- Scott, Louis K., Chicago, Ill. Sound-box. No. 1,225,505; May 8; v. 238; p. 532.
- Scott, Louis K., Chicago, Ill., assignor to Hill-Independent Manufacturing Co., Muskegon, Mich. Hand-stamp. No. 1,245,624; Nov. 6; v. 244; p. 146.
- Scott, Addie G., Anomosa, Iowa. Automobile-garment. No. 1,244,904; Oct. 30; v. 243; p. 1212.
- Scott, Alfred A., Shipley, assignor of one-half to Vickers Limited, Westminster, England. Cycle side car. No. 1,236,988; Aug. 14; v. 241; p. 503.
- Scott, Alonzo B., Fairmont, W. Va. Attachment for suspenders. No. 1,245,043; Oct. 30; v. 243; p. 1253.
- Scott, Arthur P., Chicago, Ill., assignor to Chile Exploration Company, New York, N. Y. Manufacture of electrodes. No. 1,226,121; May 15; v. 238; p. 784.
- Scott, Arthur P., Chicago, Ill., assignor to Chile Exploration Company, New York, N. Y. Electric furnace and method of producing molten magnetite therein. No. 1,226,122; May 15; v. 238; p. 785.
- Scott, Arthur P., Chicago, Ill., assignor to Chile Exploration Company, New York, N. Y. Casting-mold. No. 1,226,123; May 15; v. 238; p. 785.
- Scott, Blaine W., Nacozari, Mexico. Case for hypodermic instruments. No. 1,239,308; Sept. 4; v. 242; p. 189.
- Scott, Charles F., Memphis, Tex. Watering-trough. No. 1,216,854; Feb. 20; v. 235; p. 921.
- Scott, Charles F., New Haven, Conn., assignor to Westinghouse Electric and Manufacturing Company. Means for minimizing inductive interference. No. 1,217,511; Feb. 27; v. 235; p. 1194.
- Scott, Clarence N., Houston, Tex. Explosion-hatch for oil-containers. No. 1,219,493; Mar. 20; v. 236; p. 624.
- Scott, David J., et al., executors. (See Scott, Walter.)
- Scott, David J., Plainfield, N. J., assignor to I. and D. J. Scott, executors. Web-printing machine. No. 1,217,646; Feb. 27; v. 235; p. 1243.
- Scott, Dudley H., Cleveland, Ohio. Electrically-operated apparatus for ice-rinks. No. 1,241,289; Sept. 25; v. 242; p. 911.
- Scott, Edward, Pittsburgh, Pa. Power-generator. No. 1,224,673; May 1; v. 238; p. 199.
- Scott, Ernest. (See Scott, James L. and E.)
- Scott, Frank O., assignor to Southworth Company, Miltonage, Mass. Watermarking device. No. 1,225,871; May 15; v. 238; p. 699.
- Scott, Frederick C., Detroit, Mich. Handle for shears, pliers, and like implements. No. 1,227,678; May 29; v. 238; p. 1374.
- Scott, Frederick C., Detroit, Mich. Churn. No. 1,230,040; June 12; v. 239; p. 605.
- Scott, George E., Chicago, Ill., assignor to American Steel Foundries, New York, N. Y. Car-truck column. No. 1,223,526; Apr. 24; v. 237; p. 986.
- Scott, George L., Shawnee, Okla. Car-brake. No. 1,249,675; Dec. 11; v. 245; p. 390.
- Scott, George W., Troy, assignor, by mesne assignments, to The Horton Company, Cleveland, Ohio. Vehicle-top. No. 1,223,429; Apr. 24; v. 237; p. 950.
- Scott, George W., and P. Carpenter, Chicago, Ill. Tank-car construction. No. 1,231,074; June 26; v. 239; p. 1028.
- Scott, Gertrude G., Weldon, N. C. Luggage-carrier. No. 1,249,522; Dec. 11; v. 245; p. 347.
- Scott, Gordon J. (See Eckerson, Charles H., assignor.)
- Scott, Granville E., assignor of one-half to W. F. Anderson, Foreman, Ark. Window-shade roller. No. 1,222,474; Apr. 10; v. 237; p. 549.
- Scott, Halleck M., et al. (See Lilly, William T., assignor.)
- Scott, Harry, Hamill, S. D. Poultry-fountain for chicken-coops. No. 1,215,417; Feb. 13; v. 235; p. 359.
- Scott, Henry H., Strassburg, Saskatchewan, Canada. Harrow-tooth. No. 1,225,367; May 8; v. 238; p. 488.
- Scott, Henry H., New York, N. Y. Smoker's pouch. No. 1,244,905; Oct. 30; v. 243; p. 1212.
- Scott, Henry L., Providence, R. I. Clamp. No. 1,219,593; Mar. 20; v. 236; p. 659.
- Scott, Henry L., Providence, R. I. Tension mechanism for testing-machines. No. 1,219,594; Mar. 20; v. 236; p. 660.
- Scott, Henry T., Frankfort, Ky. Elevator safety device. No. 1,238,346; Aug. 28; v. 241; p. 1010.
- Scott, Horace J., Hill City, Minn. Applying hoops. No. 1,228,976; June 5; v. 239; p. 203.
- Scott, Ira L., Fort Collins, assignor to The Two Way Tractor Company, Denver, Colo. Two-way motor-plow. No. 1,249,523; Dec. 11; v. 245; p. 347.
- Scott, Ira L., Fort Collins, assignor to The Two Way Tractor Company, Denver, Colo. Reversible tractor-plow. No. 1,249,524; Dec. 11; v. 245; p. 347.
- Scott, Isabella, et al., executors. (See Scott, David J., assignor.)
- Scott, Isabella, et al., executors. (See Scott, Walter.)
- Scott, Jacob R., North Weymouth, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-sewing machine. No. 1,233,513; July 17; v. 240; p. 720.
- Scott, Jacob R., North Weymouth, assignor of two-tenths to E. H. Kavanaugh and two-tenths to J. W. Colgan, Weymouth, Mass. Internal-combustion engine. No. 1,230,092; June 12; v. 239; p. 623.

- Scott, James, Cleveland, Ohio. Trolley-hanger. No. 1,216,372; Feb. 20; v. 235; p. 755.
- Scott, James, Cleveland, Ohio. Overhead-trolley suspension and feed-in ear. No. 1,240,263; Sept. 18; v. 242; p. 555.
- Scott, James, Cleveland, Ohio. Trolley-hanger for grade-crossing bridges. No. 1,248,728; Dec. 4; v. 245; p. 89.
- Scott, James F., New York, N. Y. Power-chamber. No. 1,231,302; June 26; v. 239; p. 1104.
- Scott, James G., Washington, D. C. Combination water-heater. No. 1,219,494; Mar. 20; v. 236; p. 624.
- Scott, James G., Washington, D. C. Combination water-heater. No. 1,220,012; Mar. 20; v. 236; p. 804.
- Scott, James G., Washington, D. C. Combination water-heater. No. 1,220,695; Mar. 27; v. 236; p. 1083.
- Scott, James L. and E., Footscray, Victoria, Australia. Friction-driven drop-hammer. No. 1,242,052; Oct. 2; v. 243; p. 185.
- Scott, Jesse A., Fullerton, Nebr. Adjustable steel hame. No. 1,235,931; Aug. 7; v. 241; p. 132.
- Scott, John C., Lexington Pike, Kenton county, Ky. Window-ventilator. No. 1,218,122; Mar. 6; v. 236; p. 82.
- Scott, John C., Lexington Pike, Kenton county, Ky. Window-screen. No. 1,245,044; Oct. 30; v. 243; p. 1253.
- Scott, John C., Lexington Pike, Kenton county, Ky. Construction of window-screens. No. 1,245,045; Oct. 30; v. 243; p. 1254.
- Scott, John F., Indianapolis, Ind. Eye-shield diffuser. No. 1,216,855; Feb. 20; v. 235; p. 922.
- Scott, John G., Jr., assignor to International Art Publishing Company, Philadelphia, Pa. Pictorial device. No. 1,240,887; Sept. 25; v. 242; p. 782.
- Scott, John H., Winston-Salem, N. C. Pipe and cigarette filling tobacco-box. No. 1,237,831; Aug. 21; v. 241; p. 810.
- Scott, John S., Richmond, Va. Puzzle. No. 1,236,769; Aug. 14; v. 241; p. 434.
- Scott, John S., Greenville, Tex. Fishing-float. No. 1,243,768; Oct. 23; v. 243; p. 830.
- Scott, Joseph, Charleston, W. Va. Ingot-mold. No. 1,245,046; Oct. 30; v. 243; p. 1254.
- Scott, Lewis L., St. Louis, Mo. Intermittent rotating motion. No. 1,218,959; Mar. 13; v. 236; p. 412.
- Scott, Luther, assignor of one-half to M. Conner, Garden Grove, Iowa. Circle-swing. No. 1,225,506; May 8; v. 238; p. 533.
- Scott, Ray W., New York, N. Y., assignor to New York Attachable Player Action Co. Automatic piano. No. 1,233,132; July 10; v. 240; p. 559.
- Scott, Robert F. (See Harrington and Scott.)
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Welled knit article and knitting the same. No. 1,210,711; Jan. 2; v. 234; p. 116.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Hosiery. No. 1,211,247; Jan. 2; v. 234; p. 300.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Yarn-changing mechanism for knitting-machines. No. 1,211,372; Jan. 2; v. 234; p. 339.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Instrument-actuating device for knitting-machines. No. 1,212,568; Jan. 16; v. 234; p. 822.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Knit fabric and knitting the same. No. 1,216,506; Feb. 20; v. 235; p. 802.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Needle-carrier and needle for knitting-machines. No. 1,221,806; Apr. 3; v. 237; p. 279.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated, New York, N. Y. Needle mechanism for knitting-machines. No. 1,221,807; Apr. 3; v. 237; p. 280.
- Scott, Robert W., assignor to Scott and Williams, Incorporated, Boston, Mass. Stocking-knitting machine. No. 1,224,870; May 1; v. 238; p. 266.
- Scott, Robert W., assignor to Scott & Williams, Incorporated, Boston, Mass. Pattern mechanism for knitting-machines. No. 1,225,683; May 8; v. 238; p. 593.
- Scott, Robert W., assignor to Scott & Williams, Incorporated, Boston, Mass. Seamless stocking. No. 1,233,714; July 17; v. 240; p. 785.
- Scott, Robert W., assignor to Scott & Williams, Incorporated, Boston, Mass. Knit article and making the same. No. 1,234,703; July 24; v. 240; p. 1137.
- Scott, Robert W., Boston, Mass., assignor to Scott & Williams, Incorporated. Stripping attachment for knitting-machines. No. 1,236,770; Aug. 14; v. 241; p. 434.
- Scott, Robert W., Boston, Mass., assignor, by mesne assignments, to Scott & Williams. Yarn-feeding device for knitting-machines. No. 1,237,256; Aug. 14; v. 241; p. 588.
- Scott, Robert W., Boston, Mass., assignor, by mesne assignments to Scott & Williams. Yarn-feeding mechanism for knitting-machines. No. 1,238,052; Aug. 21; v. 241; p. 879.
- Scott, Robert W., Boston, Mass., assignor, by mesne assignments, to Scott & Williams, Incorporated. Yarn take-up and tension for knitting-machines. No. 1,238,716; Aug. 28; v. 241; p. 1126.
- Scott, Robert W., Boston, Mass., assignor, by mesne assignments, to Scott & Williams, Incorporated. Preparing fabric sections. No. 1,238,717; Aug. 28; v. 241; p. 1126.
- Scott, Robert W., assignor to Scott & Williams, Incorporated, Boston, Mass. Device for knitting upon transferred fabric sections. No. 1,239,527; Sept. 11; v. 242; p. 285.
- Scott, Robert W., Boston, Mass., assignor, by mesne assignments, to Scott & Williams, Incorporated. Knitting fine-gage fabrics. No. 1,248,019; Nov. 27; v. 244; p. 944.
- Scott, Robert W., assignor to Scott & Williams, Inc., Philadelphia, Pa. Cam mechanism for knitting-machines. No. 1,221,610; Apr. 3; v. 237; p. 212.
- Scott, Robert W., New York, N. Y., assignor, by mesne assignments, to Scott & Williams, Incorporated. Knitting-machine needle. No. 1,248,020; Nov. 27; v. 244; p. 945.
- Scott, Robert W., Boston, Mass., and H. Swinglehurst, Collingswood, N. J., assignors, by mesne assignments, to Scott & Williams, Incorporated. Knitting-machine for narrow webs. No. 1,237,106; Aug. 14; v. 241; p. 542.
- Scott, Roy J., Canton, Ohio. Refrigerating appliance. No. 1,230,230; June 19; v. 239; p. 708.
- Scott, S. D., *et al.* (See Sartain, Louis D., assignor.)
- Scott, Stewart, Jr. (See Forgas, Frederic W., assignor.)
- Scott, Thomas D. (See Browne and Scott.)
- Scott, Thomas S. (See Fisher and Scott.)
- Scott, Thomas W., assignor to The American Train Control Company, Baltimore, Md. Speed-controlled electric switch. No. 1,210,709; Jan. 2; v. 234; p. 115.
- Scott, Thomas W., assignor to The American Train Control Company, Baltimore, Md. Continuous controlling mechanism for vehicles. No. 1,210,710; Jan. 2; v. 234; p. 116.
- Scott, Thomas W., assignor to The American Train Control Company, Baltimore, Md. Train-controlling device. No. 1,212,157; Jan. 9; v. 234; p. 646.
- Scott, Thomas W., assignor to The American Train Control Company, Baltimore, Md. Electropneumatic valve for air-brakes. No. 1,230,083; June 12; v. 239; p. 620.
- Scott, Thomas W., assignor to The American Train Control Company, Baltimore, Md. Air-brake-controlling mechanism. No. 1,240,796; Sept. 18; v. 242; p. 720.
- Scott, Thomas W., and H. V. Rudolph, assignors to The American Train Control Company, Baltimore, Md. Adjustable support for contact-shoes. No. 1,229,184; June 5; v. 239; p. 272.
- Scott, Walter, deceased, Plainfield, N. J.; I. Scott and D. J. Scott, executors. Printing-machine. No. 1,232,615; July 10; v. 240; p. 390.
- Scott, Walter A., Chicago, Ill. Ore concentration. No. 1,246,665; Nov. 13; v. 244; p. 486.
- Scott, Walter F. A., Doylestown, Pa. Cushioning means. No. 1,215,205; Feb. 6; v. 235; p. 252.
- Scott, William, Medford, Mass. Vacuum system. No. 1,227,497; May 22; v. 238; p. 1283.
- Scott, William A., Ocala, Fla. Kitchen-fork. No. 1,227,679; May 29; v. 238; p. 1374.
- Scott, William B. (See Linderborg and Scott.)
- Scott, William H., Kalamazoo, Mich. Shredding-machine for paper-stock. No. 1,233,514; July 17; v. 240; p. 720.
- Scott, William L., Montreal, Quebec, Canada. Digging-machine. No. 1,236,112; Aug. 7; v. 241; p. 187.
- Scott, William L., Cincinnati, Ohio. Rain-shield for automobiles. No. 1,238,579; Aug. 28; v. 241; p. 1085.
- Scott, William M., Tredyffrin township, Chester county, Pa. Electric control apparatus. No. 1,235,932; Aug. 7; v. 241; p. 132.
- Scott, William M., Tredyffrin township, Chester county, Pa. Switching apparatus. No. 1,250,674; Dec. 18; v. 245; p. 724.
- Scott, William M., Tredyffrin township, Chester county, Pa. Switching apparatus. No. 1,251,120; Dec. 25; v. 245; p. 906.
- Scott, William M., Tredyffrin township, Chester county, Pa. Switching apparatus. No. 1,251,294; Dec. 25; v. 245; p. 957.
- Scott, William T., San Diego county, Cal. Powder-loading device. No. 1,213,277; Jan. 23; v. 234; p. 1102.
- Scott & Williams. (See Grothey, Ivan W., assignor.)
- Scott & Williams. (See Morley, Joseph D., assignor.)
- Scott & Williams. (See Scott, Robert W., assignor.)
- Scott & Williams. (See Scott and Swinglehurst, assignors.)
- Scott & Williams. (See Swinglehurst, Harry, assignor.)
- Scott & Williams. (See Trudel and Dawson, assignors.)
- Scott, Zachariah T., Canton, assignor of one-half to R. R. Voorhees, Fairview, Ill. Escape-valve for steam-radiators. No. 1,210,712; Jan. 2; v. 234; p. 117.
- Scovel, Harley C. (See Corneil, Robert F., assignor.)
- Scovel, John C., Jr., assignor to The Creamery Package Manufacturing Company, Chicago, Ill. Compressor. No. 1,218,903; Mar. 13; v. 236; p. 393.

- Scovel, John C., Jr., Chicago, Ill., assignor to Continental Machine and Foundry Company, Wilmington, Del. Control-header for refrigerating apparatus. No. 1,247,884; Nov. 27; v. 244; p. 907.
- Scovill Manufacturing Company. (See Warner and Leggett, assignors.)
- Scovill Mfg. Co., The. (See Lines, John, assignor.)
- Scovill, William H., Chicago, Ill. Sheet-jogger for printing-presses. No. 1,219,783; Mar. 20; v. 236; p. 725.
- Scribner, Edward W., Friday Harbor, Wash. Pie-crimper. No. 1,222,039; Apr. 10; v. 237; p. 394.
- Scribner, James F., assignor to Universal Headlight Company, Chicago, Ill. Pipe-bender. No. 1,247,728; Nov. 27; v. 244; p. 862.
- Scribner, James F., assignor to Universal Headlight Company, Chicago, Ill. Bending-tool. No. 1,247,729; Nov. 27; v. 244; p. 863.
- Scribner, Leon A., Newport, N. H. Coupling. No. 1,248,558; Dec. 4; v. 245; p. 38.
- Scribner, Walter, Columbus, assignor to E. M. Fitz, Worthington, Ohio. Automatic switch. No. 1,248,021; Nov. 27; v. 244; p. 945.
- Scritchfield, Amos J., Wendell, Idaho. Stovepipe connection. No. 1,232,436; July 3; v. 240; p. 297.
- Scritsmier, George W., Chicago, Ill. Mechanically-produced negative and making same. No. 1,224,328; May 1; v. 238; p. 77.
- Scriven, Jeremiah A., New York, N. Y. Union-suit. No. 1,228,977; June 5; v. 239; p. 203.
- Scroggin, James A., Little Rock, Ark. Music-leaf holder. No. 1,217,840; Feb. 27; v. 235; p. 1307.
- Scroggs, Roy B., Eugene, Oreg. Aeroplane. No. 1,250,033; Dec. 11; v. 245; p. 495.
- Scruggs, Loyd, assignor to The Copper Clad Malleable Range Company, St. Louis, Mo. Stove-door. No. 1,222,894; Apr. 17; v. 237; p. 735.
- Scubelek, Piotr, Wilmington, Del. Sword and guard attachment for pistols. No. 1,214,834; Feb. 6; v. 235; p. 121.
- Scudder, Charles, Alameda, Cal. Box, lock, and handle. No. 1,232,102; July 3; v. 240; p. 192.
- Scudder, Charles, assignor, by mesne assignments, to J. W. Haas, Seattle, Wash. Receptacle. No. 1,228,063; May 29; v. 238; p. 1506.
- Scullin-Gallagher Iron & Steel Company. (See Doerr, Harry E., assignor.)
- Scullin Steel Company. (See Doerr, Harry E., assignor.)
- Scully, John J. (See Capps and Scully.)
- Scully, Thomas, New York, N. Y. Electrical insulator. No. 1,216,000; Feb. 13; v. 235; p. 570.
- Scully, Walter P., assignor to G. Felsenthal & Sons, Chicago, Ill. Pocket savings-bank. No. 1,211,248; Jan. 2; v. 234; p. 301.
- Scully, William, trustee. (See Schwarz, Alfred, assignor.)
- Scuterud, Harold, Dorchester, assignor to Choralcelo Company, Boston, Mass. Electric musical instrument. No. 1,245,517; Nov. 6; v. 244; p. 113.
- Scutti, Joseph B., Brooklyn, N. Y. Cloth-covered buckle. No. 1,213,695; Jan. 23; v. 234; p. 1247.
- Scypinski, John F., Detroit, Mich. Bottle. No. 1,223,207; Apr. 17; v. 237; p. 842.
- Sea, Philip N., Chicago, Ill. Calculating-machine. No. 1,247,730; Nov. 27; v. 244; p. 863.
- Seaboard Specialty Corporation. (See Beardsley, Frank W., assignor.)
- Seabrook, William H., Jr., Savannah, Ga. Gun-shield for portable guns. No. 1,247,457; Nov. 20; v. 244; p. 750.
- Seadler, James, Sacramento, Cal. Tire. No. 1,249,284; Dec. 4; v. 245; p. 248.
- Seager, Percy W., Los Angeles, Cal. Fuel-feeding means for internal-combustion engines. No. 1,235,250; July 31; v. 240; p. 1840.
- Seaholm, John P. (See Paul and Seaholm.)
- Seaholm, Lars P., and J. Wilton, De Kalb, Ill., assignors to The American Steel & Wire Company of New Jersey, Hoboken, N. J. Wire-wiper. No. 1,224,967; May 8; v. 238; p. 351.
- Seal, Theodore T., Bellaire, Ohio. Lens for headlights. No. 1,238,446; Aug. 28; v. 241; p. 1042.
- Seal, William D., Piedmont, Mo. Resilient tire and wheel. No. 1,225,183; May 8; v. 238; p. 423.
- Seale, Charlie, Eustis, Fla. Music-leaf turner. No. 1,230,041; June 12; v. 239; p. 606.
- Seaman, Albert R., South Connellsville, Pa. Machine for reducing hard and rough surfaces to a polished condition. No. 1,224,506; May 1; v. 238; p. 139.
- Seaman, Arthur G., Bowden, S. Osborne, Manchester, H. A. Cox, Ealing, and A. W. Gattie, London, England. Means for distributing parcels and the like. No. 1,223,624; Apr. 24; v. 237; p. 1020.
- Seaman, George Q., Brooklyn, N. Y. Change-speed gearing. No. 1,236,113; Aug. 7; v. 241; p. 188.
- Seaman, Halleck W. (See Fink, Edward, assignor.)
- Seaman, Kiva L., Arpan, S. D. Animal-yoke. No. 1,226,021; May 15; v. 238; p. 751.
- Seaman, Mitchell E., Stillwater, N. Y. Hub-attaching device. No. 1,249,676; December 11; v. 245; p. 391.
- Seaman, Stewart E., Gauley Mills, W. Va., assignor to Seaman Waste Wood Chemical Company, Incorporated, New York, N. Y. Destructive distillation of wood and the like. (Reissue.) No. 14,300; May 8; v. 238; p. 613.
- Seaman, Stewart E., Brooklyn, assignor to Seaman Waste Wood Chemical Company, New York, N. Y. Destructive distillation. No. 1,236,884; Aug. 14; v. 241; p. 469.
- Seaman, Stewart E., Brooklyn, assignor to Seaman Waste Wood Chemical Company, New York, N. Y. Apparatus for destructive distillation. No. 1,236,885; Aug. 14; v. 241; p. 469.
- Seaman, Stewart E., Brooklyn, assignor to Seaman Waste Wood Chemical Company, New York, N. Y. Cooling apparatus. No. 1,240,609; Sept. 18; v. 242; p. 661.
- Seaman Waste Wood Chemical Company. (See Seaman, Stewart E., assignor.) (Reissue.)
- Seamless Products Corporation. (See Gill, Edwin R., assignor.)
- Seamless Products Corporation. (See Pruyn and De Reamer, assignors.)
- Search, Charles E., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Tractor. No. 1,227,005; May 22; v. 238; p. 1122.
- Search, Charles E., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Tractor. No. 1,241,034; Sept. 25; v. 242; p. 828.
- Searcy, Walter, Placerville, Cal. Non-skid brake. No. 1,249,525; Dec. 11; v. 245; p. 347.
- Searing, Eugene P., Paterson, N. J. Bearing for quilling-machines and the like. No. 1,234,223; July 24; v. 240; p. 985.
- Searls, Frank H., et al. (See Berry, Seneca L., assignor.)
- Sears, Alfred J., assignor to Detroit Forging Company, Detroit, Mich. Extension-top for automobiles. No. 1,232,103; July 3; v. 240; p. 192.
- Sears, Charles H., Bellingham, Wash. Box-filler. No. 1,246,334; Nov. 13; v. 244; p. 387.
- Sears, Charles M., Lenox, Mass. Protective curtain. No. 1,247,579; Nov. 20; v. 244; p. 785.
- Sears, Charles W., Omaha, Nebr. Rotary internal-combustion engine. No. 1,222,475; Apr. 10; v. 237; p. 549.
- Sears, Clarence M., Derby, Colo. Pump. No. 1,245,806; Nov. 6; v. 244; p. 202.
- Sears, Johnie W., Hale Center, Tex. Dirigible automobile-headlight. No. 1,240,784; Sept. 18; v. 242; p. 717.
- Sears, Louis B., Corry, Pa. Electric switch. No. 1,224,222; May 1; v. 238; p. 38.
- Sears, Roebuck and Company. (See Barschow, Hubert A., assignor.)
- Sears, Roebuck and Company. (See Bohmker, John C., assignor.)
- Sears, Roebuck and Company. (See Bozard, Harrison B., assignor.)
- Sears, Roebuck and Company. (See Dun Lany, William P., assignor.)
- Sears, Roebuck and Company. (See Richards, Ernst R., assignor.)
- Sears, Roebuck and Company. (See Schroeder, Paul C., assignor.)
- Sears, Roebuck & Company. (See Shee, Parke B., assignor.)
- Sears, Roebuck & Company. (See Sherwood, Ludlow S., assignor.)
- Sears, Roebuck and Company. (See Waring and Hauptli, assignors.)
- Sears, Willard T., New York, N. Y. Throttle-controlling apparatus. No. 1,236,489; Aug. 14; v. 241; p. 340.
- Sears, Willard T., New York, N. Y. Bathing-cap. No. 1,246,948; Nov. 20; v. 244; p. 605.
- Sears, Willard T., Philadelphia, Pa., assignor to Niles-Bement-Pond Company, Jersey City, N. J. Clamping mechanism. (Reissue.) No. 14,263; Feb. 20; v. 235; p. 1020.
- Sears, Willard T., Philadelphia, Pa., and S. H. Keefer, deceased, Plainfield, assignors to Niles-Bement-Pond Co., Jersey City, N. J. Planer and system of motor control therefor. (Reissue.) No. 14,296; May 1; v. 238; p. 276.
- Seashore, Nels, Minneapolis, Minn. Curtain-pole lifter. No. 1,213,278; Jan. 23; v. 234; p. 1102.
- Seaton, Benjamin C., Nashville, Tenn. Resilient wheel. No. 1,211,885; Jan. 9; v. 234; p. 553.
- Seaton, Benjamin C., Nashville, Tenn. Vehicle-body support. No. 1,213,696; Jan. 23; v. 234; p. 1247.
- Seaton, Benjamin C., Nashville, Tenn. Tire. No. 1,213,697; Jan. 23; v. 234; p. 1247.
- Seattle Car & Foundry Co. (See Chriswell, Frederick W., assignor.)
- Seattle Car & Foundry Co. (See Jarvis, Herbert C., assignor.)
- Seaver, Frank J., Waitsfield, Vt. Match box and lighter. No. 1,249,212; Dec. 4; v. 245; p. 227.
- Seaverns, James B., Chicago, Ill. Unloading apparatus. No. 1,242,249; Oct. 9; v. 243; p. 288.
- Sébillé, Léo P., Providence, R. I. Gas-generator. No. 1,222,809; Apr. 17; v. 237; p. 706.
- Sébillé, Léo P., Providence, R. I. Gas-generator. No. 1,230,803; June 19; v. 239; p. 897.
- Sebring, Frank A., and F. Strobl, Sebring, Ohio. Pottery-mold. No. 1,238,347; Aug. 28; v. 241; p. 1010.
- Sebring, Harry O., Deer Wood, Minn. Knife-guard. No. 1,239,626; Sept. 11; v. 242; p. 317.
- Seburn, Harvey T., assignor to The Indiana Manufacturing Company, Indianapolis, Ind. Grain-saving device for threshing-machines. No. 1,246,949; Nov. 20; v. 244; p. 605.
- Sechler and Company, The. (See Knapp, Jacob, assignor.)

Alphabetical list of patents—Continued.

- Sechler, William L., Braddock, Pa. Projectile-protector. No. 1,239,309; Sept. 4; v. 242; p. 189.
- Secord, Frederick A., assignor of one-third to A. P. Paterson and one-third to C. H. Peters, St. John, New Brunswick, Canada. Drying articles and apparatus for accomplishing the same. No. 1,221,383; Apr. 3; v. 237; p. 134.
- Secord, John M., Buffalo, N. Y. Tray. No. 1,216,856; Feb. 20; v. 235; p. 922.
- Secret Telegraph Company. (See Delany, Patrick B., assignor.)
- Security Auto Lock Company. (See Davis, Edward E., assignor.)
- Security Manufacturing Company. (See Maxwell, George W., assignor.)
- Security Metallic Grave Vault Co. (See Arndt, Franklin E., assignor.)
- Security Window Guard Company. (See Franklin, Benjamin, assignor.)
- Seddon, William H., Painswick, England. Rotary elastic fluid engine. No. 1,231,437; June 26; v. 239; p. 1150.
- Sederstram, Gus, Farragut, Iowa. Latch. No. 1,246,950; Nov. 20; v. 244; p. 605.
- Sedgley, Reginald F., Philadelphia, Pa. Combined rebounding, main, and trigger spring for firearms. No. 1,216,001; Feb. 13; v. 235; p. 571.
- Sedgley, Reginald F., Philadelphia, Pa. Ratchet-wrench. No. 1,224,223; May 1; v. 238; p. 38.
- Sedgley, Reginald F., Philadelphia, Pa. Revolver. No. 1,236,608; Aug. 14; v. 241; p. 378.
- Sedgwick, Frederick, Chicago, Ill. Cipher type-writer. No. 1,233,715; July 17; v. 240; p. 786.
- Sedgwick, Harry A., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Alternating-current magnet and the like. No. 1,248,176; Nov. 27; v. 244; p. 989.
- Sedgwick, Hiram G., Mill Valley, Cal., assignor to The National Safety Appliance Company. Vent-valve for train-stops. No. 1,210,713; Jan. 2; v. 234; p. 117.
- Sedgwick, Hiram G., Mill Valley, Cal., assignor to The National Safety Appliance Company. Magnetic circuit-closer for train-stops and signals. No. 1,225,507; May 8; v. 238; p. 533.
- Sedgwick, Hiram G., Mill Valley, Cal., assignor to The National Safety Appliance Company. Train-stop and signaling system. No. 1,225,508; May 8; v. 238; p. 533.
- Sedgwick, Hiram G., Mill Valley, Cal., assignor to The National Safety Appliance Company. Automatic train-stop. No. 1,226,915; May 22; v. 238; p. 1089.
- Sedgwick, Hiram G., Mill Valley, Cal., assignor to The National Safety Appliance Company. Train-control apparatus. No. 1,226,916; May 22; v. 238; p. 1089.
- Sedgwick, Hiram G., Mill Valley, Cal., assignor to The National Safety Appliance Company. Automatic train-stop. No. 1,229,151; June 5; v. 239; p. 261.
- Sedgwick, Hiram G., Mill Valley, Cal., assignor to The National Safety Appliance Company. Railway-cab signaling system. No. 1,230,042; June 12; v. 239; p. 606.
- Sedgwick, Hiram G., Mill Valley, assignor to The National Safety Appliance Company, San Francisco, Cal. Train signaling and stopping system. No. 1,232,859; July 10; v. 240; p. 471.
- Sedgwick, Hiram G., Mill Valley, Cal., assignor to The National Safety Appliance Company. Train signaling and stopping system. No. 1,232,860; July 10; v. 240; p. 472.
- Sedgwick, Hiram G., Mill Valley, Cal., assignor to The National Safety Appliance Company. Train signaling and stopping system. No. 1,232,861; July 10; v. 240; p. 472.
- Sedgwick, Hiram G., deceased, Mill Valley, Cal.; L. Bartlett, administrator, assignor to The National Safety Appliance Company. Train stop and signal system. No. 1,232,858; July 10; v. 240; p. 471.
- Sedneff, Constantin de, Paris, France. Electric accumulator. No. 1,213,467; Jan. 23; v. 234; p. 1169.
- See, Alonso B. (See Lindstrom and Olofson, assignors.)
- Seeburger, Charles D., New York, N. Y. Signal device for elevator systems. No. 1,223,527; Apr. 24; v. 237; p. 986.
- Seeburger, Charles D., New York, N. Y. Elevator. No. 1,231,075; June 26; v. 239; p. 1029.
- Seeburs, Edward. (See Casey, Muhlig, and Seeburs.)
- Seede, John A., Niskayuna, N. Y., assignor to General Electric Company. Electric welding. No. 1,225,509; May 8; v. 238; p. 534.
- Seede, John A., Schenectady, N. Y., assignor to General Electric Company. Electric furnace control. No. 1,242,250; Oct. 9; v. 243; p. 288.
- Seeger, August C., East St. Louis, Ill. Automatic fire-extinguisher. No. 1,247,580; Nov. 20; v. 244; p. 785.
- Seeger, Carl H. (See Dedrick, Nicholas, assignor.)
- Seebase, William, Holland, Mich. Ash-can. No. 1,229,532; June 12; v. 239; p. 440.
- Seelan, Franz, Berlin-Wilmersdorf, assignor of one-half to A. M. Newman, Berlin-Wannsee, Germany. Automatic phonographic responding and receiving device. No. 1,222,895; Apr. 17; v. 237; p. 735.
- Seelbach, Rudolph L., Buffalo, N. Y. Garbage-crematory. No. 1,232,724; July 10; v. 240; p. 425.
- Seeley, Alfred, Rochdale, England. Machinery for use in dyeing and analogous purposes. No. 1,249,677; Dec. 11; v. 245; p. 391.
- Seeley, Arthur W. (See Hartley and Seeley.)
- Seeley, Nathaniel S., Flushing, and F. Perry, Elmhurst, N. Y. Duplicator. No. 1,235,933; Aug. 7; v. 241; p. 132.
- Seeley, Roy M., et al. (See Weiss, George F., assignor.)
- Seeley, Walter B., Philadelphia, Pa. Pad for hernial trusses. No. 1,237,709; Aug. 21; v. 241; p. 772.
- Seelig, John G., Ripon, Wis. Washing-machine mechanism. No. 1,239,046; Sept. 4; v. 242; p. 104.
- Seeling, Frederick B., Tylertown, Miss. Feed-trough. No. 1,234,496; July 24; v. 240; p. 1074.
- Seelinger, Bernhard, Brooklyn, N. Y. Dough-trough. No. 1,246,335; Nov. 13; v. 244; p. 387.
- Seely, George A., Emmetsburg, Iowa. Stamp-affixing machine. No. 1,250,675; Dec. 18; v. 245; p. 724.
- Seely, George G. (See Huntington, Cory O., assignor.)
- Seely, Thomas H., Malden, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Wax-thread sewing-machine. No. 1,216,736; Feb. 20; v. 235; p. 881.
- Seely, Thomas H., Boston, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,240,094; Sept. 11; v. 242; p. 462.
- Seelye Tool Company. (See Seelye, William E., assignor.)
- Seelye, William A. (See Starbuck and Seelye.)
- Seelye, William E., assignor to Seelye Tool Company, Duluth, Minn. Combination tool-handle. No. 1,247,885; Nov. 27; v. 244; p. 907.
- Seese, Lloyd, Navarre, and J. F. McGuire, Massillon, Ohio. Electrically-controlled mechanism. No. 1,227,006; May 22; v. 238; p. 1123.
- Sefton Manufacturing Company. (See Twomley, Melvan L., assignor.)
- Sefton Manufacturing Corporation. (See Van Horne, Samuel R., assignor.)
- Segal, Bernard, New York, N. Y. Fastening device. No. 1,234,810; July 31; v. 240; p. 1205.
- Segal, Herman, New York, N. Y. Tone-arm support. No. 1,228,064; May 29; v. 238; p. 1507.
- Segal, Samuel, New York, N. Y. Lock. No. 1,212,569; Jan. 16; v. 234; p. 822.
- Segal, Samuel, assignor to Burglar Proof Lock and Hardware Corporation, New York, N. Y. Lock. No. 1,212,823; Jan. 16; v. 234; p. 911.
- Segall, Aaron, New York, N. Y. Sanitary bottle-cap. No. 1,213,959; Jan. 30; v. 234; p. 1367.
- Segel, Michael, New York, N. Y. Intermittent mechanical movement. No. 1,212,570; Jan. 16; v. 234; p. 823.
- Segel, Michael, New York, N. Y. Threading device for moving-picture machines. No. 1,227,081; May 22; v. 238; p. 1147.
- Segel, Michael, New York, assignor to E. M. Uebelmesser, Bayside, N. Y. Self-threading device for motion-picture apparatus. No. 1,225,184; May 8; v. 238; p. 424.
- Segelhorst, August L. (See Black and Segelhorst.)
- Seger, Charles G., Lyonville, S. D. Hay-sweep cleaner. No. 1,219,495; Mar. 20; v. 236; p. 625.
- Segerberg, Rolf F., New Britain, Conn. Mechanical movement. No. 1,225,510; May 8; v. 238; p. 534.
- Segerc, Joseph, Belmar, N. J. Apple slicer and corer. No. 1,250,676; Dec. 18; v. 245; p. 725.
- Segerdahl, Gustaf A. (See Segerdahl, Iver B. and G. A.)
- Segerdahl, Iver B., Prineville, Oreg., and G. A. Segerdahl, Milwaukee, Wis. Cable gripping and stretching device. No. 1,244,136; Oct. 23; v. 243; p. 941.
- Segman, Alexander, New York, N. Y. Jewelry. No. 1,219,172; Mar. 13; v. 236; p. 484.
- Segre, Mario, Vercelli, Italy. Screw-threading articles made of horn. No. 1,227,680; May 29; v. 238; p. 1375.
- Segur, Frank B., Chicago, Ill. Coil-winding apparatus. No. 1,244,137; Oct. 23; v. 243; p. 942.
- Sehl, Eugene. (See Julow, Spathef, and Sehl.)
- Selb, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,215,723; Feb. 13; v. 235; p. 472.
- Selb, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,224,968; May 8; v. 238; p. 351.
- Selb, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,243,451; Oct. 16; v. 243; p. 697.
- Seiberling, George W. (See Meyer and Seiberling.)
- Seibt, George, New York, N. Y., assignor, by mesne assignments, to Atlantic Communication Company. Apparatus for producing powerful electrical oscillations. No. 1,216,615; Feb. 20; v. 235; p. 842.
- Seibt, George, Berlin, Germany, assignor to General Transmission Company, New York, N. Y. Current-indicating apparatus for direct-reading wave-meters for high-frequency oscillations. No. 1,228,065; May 29; v. 238; p. 1507.
- Seldel, Christ, Pittsburgh, Pa. Figure wheeled toy. No. 1,248,729; Dec. 4; v. 245; p. 90.
- Seldel, William F., Elkhart, Ind. Auxiliary air and moisture valve for internal-combustion engines. No. 1,245,988; Nov. 6; v. 244; p. 252.
- Seldenschaur, Friedrich, Charlottenburg, Germany. Solution for preserving wood. No. 1,248,022; Nov. 27; v. 244; p. 945.
- Seidler, Max, assignor to Hartmann & Braun A.-G., Frankfurt-on-the-Main, Germany. Recording apparatus. No. 1,211,491; Jan. 9; v. 234; p. 415.
- Selfert, Ernst T., Richmond Hill, assignor to Julius Kayser & Co., New York, N. Y. Lady's undergarment. No. 1,214,084; Jan. 30; v. 234; p. 1410.

- Seifert, Jacob E., *et al.* (See Rubenstein, Harry, assignor.)
- Seifert, Theodore B. (See Prechel and Siefert.)
- Seigle, William R., assignor to H. W. Johns-Manville Company, New York, N. Y. Producing bodies of extended discontinuously-associated solid particles and the product thereof. No. 1,228,485; June 5; v. 239; p. 37.
- Seigle, William R., assignor to H. W. Johns-Manville Company, New York, N. Y. Producing bodies of extended discontinuously-associated particles of calcium carbonate and the product thereof. No. 1,228,486; June 5; v. 239; p. 38.
- Seijas, Louis V. S., Rutherford, N. J. Beater for carpets, rugs, and similar articles. No. 1,250,034; Dec. 11; v. 245; p. 495.
- Sell, Harvey A., assignor to Standard Chemical Company, Pittsburgh, Pa. Manufacture of uranium oxid. No. 1,210,714; Jan. 2; v. 234; p. 117.
- Seller, George P., assignor of one-half to W. R. Blenman, Detroit, Mich. Signal. No. 1,248,177; Nov. 27; v. 244; p. 989.
- Seitz, Clyde H., Natoma, Kans. Safety-razor. No. 1,247,581; Nov. 20; v. 244; p. 785.
- Seivert, Christ, Seivert township, Cavalier county, N. D. Combined harness-hook and line-tightener. No. 1,222,684; Apr. 17; v. 237; p. 664.
- Seivert, Lawrence W., Elkton, S. D. Automatic vehicle-brake. No. 1,241,035; Sept. 25; v. 242; p. 828.
- Selby, Charles L., St. Marys, Ohio. Water-meter. No. 1,238,203; Aug. 28; v. 241; p. 962.
- Selby, Chester, Sr., and J., Jr., Montreal, Mo. Roller-shelf for incubators. No. 1,235,066; July 31; v. 240; p. 1285.
- Selby, Dwight E., Seattle, Wash. Gearless transmission. No. 1,233,924; July 17; v. 240; p. 853.
- Selby, Frederick A. (See Selby, William H. and F. A.)
- Selby, James, Jr. (See Selby, Chester, Sr., and J., Jr.)
- Selby Patents Company. (See Selby, William H. and F. A., assignors.)
- Selby, William H. and F. A., Moberly, assignors of seven-eighths to Selby Patents Company, Kansas City, Mo. Moving-picture machine. No. 1,219,403; Mar. 13; v. 236; p. 563.
- Selden, Arthur R., Rochester, N. Y. Cinematograph. No. 1,229,329; June 12; v. 239; p. 371.
- Selden, Arthur R., Rochester, N. Y. Operating device for cinematographs. No. 1,250,364; Dec. 18; v. 245; p. 632.
- Selden, Arthur R., Rochester, N. Y. Tongs. No. 1,250,365; Dec. 18; v. 245; p. 633.
- Selders, Charles E., Freeport, N. Y. Traveler's trunk. No. 1,217,647; Feb. 27; v. 235; p. 1243.
- Self Closing Gate Co. (See Smith, Isaac P., assignor.)
- Self, Edward D., Florence, Italy. Mud-guard for automobiles or other vehicles. No. 1,235,251; July 31; v. 240; p. 1341.
- Self, Howard E., Mount Union, Pa. Soldering-iron. No. 1,233,614; July 17; v. 240; p. 755.
- Seligman, David A., Minneapolis, Minn. Combination article of furniture. No. 1,231,303; June 26; v. 239; p. 1104.
- Seligman, Richard, Seattle, Wash. Button. No. 1,230,804; June 19; v. 239; p. 897.
- Seligmann, Richard. (See Hayden, William A., assignor.)
- Selin, Aleksanteri, Brooklyn, N. Y. Collapsible saw-clamp. No. 1,230,805; June 19; v. 239; p. 897.
- Selinger, William, *et al.* (See Fisher, Fred, assignor.)
- Sell, Julius F. G., Jerseyville, Ill. Shoe-sole-stamping apparatus. No. 1,214,085; Jan. 30; v. 234; p. 1411.
- Sell, Otto R., Colorado Springs, Colo. Vehicle head-lamp. No. 1,217,841; Feb. 27; v. 235; p. 1307.
- Sell, Otto R., Colorado Springs, Colo. Head-lamp control. No. 1,257,582; Nov. 20; v. 244; p. 785.
- Selleck, Theodore G., Chicago, assignor to Deere & Company, Moline, Ill. Furnace-door-operating means. No. 1,215,418; Feb. 13; v. 235; p. 860.
- Sellers, Elias H. (See Buckman, Edward A., assignor.)
- Sellers, Gilbert, Chicago, Ill. Means for producing raw-water ice. No. 1,212,697; Jan. 16; v. 234; p. 870.
- Sellers, Gilbert, Chicago, Ill. Apparatus for making ice. No. 1,224,507; May 1; v. 238; p. 140.
- Sellers, Harry E., assignor to Marathon Electric Mfg. Company, Wausau, Wis. Control mechanism for sewing-machine motors. No. 1,224,508; May 1; v. 238; p. 140.
- Sellers, Richard C., Swarthmore, Pa. Calendar. No. 1,219,173; Mar. 13; v. 236; p. 484.
- Sellers, Wilfred, Elwood, Ind. Kitchen-cabinet. No. 1,213,279; Jan. 23; v. 234; p. 1102.
- Sellers, Wilfred, Elwood, Ind. Kitchen-cabinet. No. 1,226,708; May 22; v. 238; p. 1018.
- Selley, William H. (See Carter and Selley.)
- Sellick, Robert, Newark, N. J. Stand. No. 1,222,685; Apr. 17; v. 237; p. 664.
- Sellin, Julius, Stuttgart, Germany. Flow-indicator. No. 1,227,842; May 29; v. 238; p. 1431.
- Seltner, Herbert W., Faribault, Minn. Folding table. No. 1,235,934; Aug. 7; v. 241; p. 183.
- Seltenreich, John J., Chicago, Ill. Seam-dampening machine. No. 1,228,066; May 29; v. 238; p. 1507.
- Seltenreich, John J., Chicago, Ill. Seam-dampening machine. No. 1,232,725; July 10; v. 240; p. 427.
- Seltenreich, John J., Chicago, Ill., assignor to National Chemical Company, Syracuse, N. Y. Collar-ironing machine. No. 1,245,989; Nov. 6; v. 244; p. 252.
- Selter, Milo B., Coloma, Mich., assignor to Playerphone Talking Machine Company. Automatic stop for talking-machines. No. 1,244,550; Oct. 30; v. 243; p. 1105.
- Selter, Milo B., Coloma, Mich., assignor to Playerphone Talking Machine Company. Automatic stop mechanism for phonograph-machines. No. 1,244,551; Oct. 30; v. 243; p. 1106.
- Selts, William A. (See Prescott, Charles F., assignor.)
- Selyne, Carl, Lake Park, Minn. Broom-holder. No. 1,227,208; May 22; v. 238; p. 1189.
- Selway, Richard A., Chicago, Ill. Fence-post-brace construction. No. 1,221,481; Apr. 3; v. 237; p. 168.
- Selway, Richard A., Chicago, Ill. Fence-post. No. 1,226,602; May 15; v. 238; p. 943.
- Selwig & Lange. (See Jakob, Hans, assignor.)
- Semancik, Paul, Maynard, Ohio. Railway-tie and rail-fastener. No. 1,250,366; Dec. 18; v. 245; p. 633.
- Sembower, Charles A., *et al.* (See Egan, Charles E., assignor.)
- "Sembusto" Elastische Radbereifungen Gesellschaft m. b. H. (See Bunzlau and Stoll, assignors.)
- Semet-Solvay Company. (See Conant, James B., assignor.)
- Semmler, Carl, Wiesbaden, Germany. Pertaining to the utilization of the waste heat of gas-engines. No. 1,231,208; June 26; v. 239; p. 1074.
- Semon, David E. (See McInnis and Semon.)
- Seemple, James, Philadelphia, Pa. Fluid-meter. No. 1,247,583; Nov. 20; v. 244; p. 786.
- Seemple, John B., Sewickley, Pa. Gun. No. 1,218,706; Mar. 13; v. 236; p. 321.
- Sence, Victor, New York, N. Y. Electric belt. No. 1,211,492; Jan. 9; v. 234; p. 415.
- Sendelbach, Edward C., Cincinnati, Ohio. Vehicle-wheel. No. 1,231,304; June 26; v. 239; p. 1105.
- Senderling, Martin L., Jersey City, N. J. Vehicle-bar-spring unit. No. 1,220,791; Mar. 27; v. 236; p. 1114.
- Seneca Camera Manufacturing Company. (See Goddard and Hutchings, assignors.)
- Senfleben, George, Jr., Colgate, Wis. Cow-tail holder. No. 1,226,709; May 22; v. 238; p. 1018.
- Señtle, William R., Buffalo, N. Y. Hanger-strap for street-cars. No. 1,236,609; Aug. 14; v. 241; p. 379.
- Señtner, Herman F., Berkeley, Cal. Push map-tack. No. 1,241,290; Sept. 25; v. 242; p. 911.
- Seng Company, The. (See Dyke, Darrell F., assignor.)
- Seng, Ford R., *et al.* (See Hill, Judson W., assignor.)
- Seng, Joseph A., assignor to Société Anonyme Anciens Etablissements Sautter-Harlé, Paris, France. Submarine mine. No. 1,231,950; July 3; v. 240; p. 138.
- Seng, Wendelin P. (See Anderson, John E., assignor.)
- Seng, Wendelin P., Chicago, Ill. Telltale and switch for rear signal-lights for automobiles. No. 1,216,370; Feb. 20; v. 235; p. 754.
- Seng, Wendelin P., Chicago, Ill. Lubricator for the springs of vehicles. No. 1,224,329; May 1; v. 238; p. 77.
- Seng, Wendelin P., Chicago, Ill. Flag-holder attachment for automobiles. No. 1,240,377; Sept. 18; v. 242; p. 591.
- Seng, Wendelin P., Chicago, assignor to P. E. Kroehler, Naperville, Ill. Folding-couch lock. No. 1,239,523; Sept. 11; v. 242; p. 285.
- Senke, Alma, *et al.* (See Wagner, Carl A., assignor.)
- Senke, Emma, *et al.* (See Wagner, Carl A., assignor.)
- Senke, Henry C., *et al.* (See Wagner, Carl A., assignor.)
- Senke, Henry F., *et al.* (See Wagner, Carl A., assignor.)
- Senke, Meta, *et al.* (See Wagner, Carl A., assignor.)
- Senn, Edward, Cincinnati, Ohio. Agricultural tool. No. 1,249,213; Dec. 4; v. 245; p. 227.
- Senn, Frederick W., New York, N. Y. Hotel-room rack. No. 1,247,458; Nov. 20; v. 244; p. 751.
- Senn, Joseph F., Chicago, Ill. Hat-press. No. 1,219,353; Mar. 13; v. 236; p. 545.
- Senseney, George E., Chicago, Ill. Color and design study. No. 1,247,160; Nov. 20; v. 244; p. 667.
- Sensini, Ivo, Vincenza, Italy. Internal valve-gear in steam-engines. No. 1,220,013; Mar. 20; v. 236; p. 805.
- Sentinel Mfg. Co., The. (See Gibney, Joseph W., assignor.)
- Sentinel Mfg. Co., The. (See Phillips, Ross M. G., assignor.)
- Sentivany, Kalman F., Hartford, Conn. Puttee-shaping apparatus. No. 1,230,332; June 19; v. 239; p. 741.
- Sepas, Frank J. (See Russell, Sepas, and Wilford.)
- Seppi, Frank. (See Ridsen and Seppi.)
- Sepulchre, Charles, Herstal, Belgium. Lamp for mineral oils. No. 1,212,571; Jan. 16; v. 234; p. 823.
- Serafin, Aleksander, Utica, N. Y. Combined sword and pistol. No. 1,248,932; Dec. 4; v. 245; p. 148.
- Serailian, Mihran K., Berkeley, Cal. Concentrating liquids. No. 1,237,962; Aug. 21; v. 241; p. 850.
- Serban, Remusz, South Bethlehem, Pa. Steering mechanism for automobiles. No. 1,225,737; May 8; v. 238; p. 610.
- Sereff, Peter H., Lima, Ohio. Ink-well. No. 1,242,991; Oct. 16; v. 243; p. 559.
- Serfözb, Anton, Denver, Colo. Saw-set. No. 1,241,772; Oct. 2; v. 243; p. 96.
- Sergant, George S., Greensboro, N. C. Sawmill-feed. No. 1,248,178; Nov. 27; v. 244; p. 990.

Alphabetical list of patentees—Continued.

- Sergeant, Jasper R., Fort Morgan, Colo. Shifting harrow attachment for double plows. No. 1,213,912; Jan. 30; v. 234; p. 1351.
- Serio, Philip H., assignor to National Aluminum Works, Elmira, N. Y. Coffee-pot. No. 1,233,515; July 17; v. 240; p. 721.
- Seror, Albert Z., and E. J. Hoyer, Chicago, Ill. Fan. No. 1,243,637; Oct. 16; v. 243; p. 754.
- Serpas, Gilbert B., Violet, La. Attachment for drills. No. 1,231,438; June 26; v. 239; p. 1150.
- Serpek, Ottokar, assignor to Societe Generale des Nitrures, Paris, France. Producing aluminium nitrid. No. 1,212,119; Jan. 9; v. 234; p. 632.
- Serpek, Ottokar, assignor to Societe Generale des Nitrures, Paris, France. Carrying out chemical reactions. No. 1,217,842; Feb. 27; v. 235; p. 1308.
- Serpek, Ottokar, assignor to Societe Generale des Nitrures, Paris, France. Manufacture of aluminium nitrid. No. 1,233,925; July 17; v. 240; p. 853.
- Serpek, Ottokar, assignor to Societe Generale des Nitrures, Paris, France. Manufacture of aluminium nitrid. No. 1,233,926; July 17; v. 240; p. 854.
- Serper, Jacob, New York, N. Y. Bath-tub-overflow shield. No. 1,235,387; July 31; v. 240; p. 1381.
- Serratos, Alfredo, assignor of one-half to W. H. Burke, Washington, D. C. Vehicle-body. No. 1,249,214; Dec. 4; v. 245; p. 227.
- Servet Specialty Company. (See Good, John, assignor.)
- Service, William F., Jersey City, N. J., assignor to Imperial Car Cleaner Company. Renovating car-cushions. No. 1,219,595; Mar. 20; v. 236; p. 660.
- Sessions, Albert L., Bristol, Conn. Ceiling-plate. No. 1,212,824; Jan. 16; v. 234; p. 912.
- Sessions, Albert L., Bristol, Conn. Dish-washing machine. No. 1,215,583; Feb. 13; v. 235; p. 422.
- Sessions, Albert L., Bristol, Conn. Vehicle-body support. No. 1,215,878; Feb. 13; v. 235; p. 527.
- Sessions, Albert L., Bristol, Conn. Ceiling-plate. No. 1,216,737; Feb. 20; v. 235; p. 882.
- Sessions, Albert L., Bristol, Conn. Vehicle-moving truck. No. 1,224,574; May 1; v. 238; p. 164.
- Sessions, Edson O., Chicago, Ill. Locking-switch. No. 1,213,960; Jan. 30; v. 234; p. 1367.
- Sessions, Edson O., Chicago, Ill. Locking-switch. No. 1,221,611; Apr. 3; v. 237; p. 212.
- Sessions, Edson O., Chicago, Ill. High-tension insulator-support for bus-bars. No. 1,228,142; May 29; v. 238; p. 1531.
- Sessions, Edson O., Chicago, Ill. High-tension suspension-insulator. No. 1,248,559; Dec. 4; v. 245; p. 39.
- Sessions, Edson O., Chicago, Ill., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Vaporizer. No. 1,215,879; Feb. 13; v. 235; p. 527.
- Sessions, Frank L., Lakewood, Ohio. Spark-plug. No. 1,228,487; June 5; v. 239; p. 38.
- Sessions, Frank L., Lakewood, Ohio. Carbureter. No. 1,231,209; June 26; v. 239; p. 1074.
- Sessions, Frank L., Lakewood, Ohio. Carbureter. No. 1,235,164; July 31; v. 240; p. 1314.
- Sessions, Frank L., Lakewood, Ohio. Carbureter. No. 1,235,165; July 31; v. 240; p. 1314.
- Sessions, Frank L., Columbus, Ohio. Mining-machine chain. No. 1,244,785; Oct. 30; v. 243; p. 1176.
- Sessions, Frank L., Lakewood, assignor to The Standard Welding Company, Cleveland, Ohio. Rim forming and flanging machine. No. 1,219,174; Mar. 13; v. 236; p. 484.
- Sessions, Frank L., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Mining-machine. No. 1,247,459; Nov. 20; v. 244; p. 751.
- Sessions, Hugh E. (See Cox, William H., assignor.)
- Sessions, Hugh E. (See Mullen, James S., assignor.)
- Sessions, Hugh E., Columbia, S. C. Cotton-seed linter. No. 1,231,951; July 3; v. 240; p. 139.
- Setecka, John, assignor to J. Teteak, Chicago, Ill. Water-heater. No. 1,241,154; Sept. 25; v. 242; p. 865.
- Settan, Arthur C., Brooklyn, N. Y. Collapsible high chair. No. 1,232,985; July 10; v. 240; p. 512.
- Setter, Michael, Chicago, Ill. Horn. No. 1,222,040; Apr. 10; v. 237; p. 391.
- Settle, Francis M., Wynnewood, Okla. Road-drag. No. 1,223,625; Apr. 24; v. 237; p. 1020.
- Settles, Roy F., Helena, Mont. Toy gun. No. 1,250,523; Dec. 18; v. 245; p. 680.
- Setz, Hans R., St. Louis, Mo. Piston for oil-engines. No. 1,222,147; Apr. 10; v. 237; p. 432.
- Setzer, Richard, assignor of one-half to A. V. Tankboner, Motley, Minn. Mop and clothes-lifter. No. 1,237,257; Aug. 14; v. 241; p. 588.
- Seubert Bearing Company. (See Seubert, Louis H., assignor.)
- Seubert, Clara H., administratrix. (See Seubert, Louis H.)
- Seubert, Louis H., deceased, New York, N. Y.; C. H. Seubert, administratrix, assignor to Seubert Bearing Company, Inc. Antifriction-bearing. No. 1,218,605; Mar. 6; v. 236; p. 247.
- Severance, Charles J., Wacousta, Mich. Desk-drawer. No. 1,228,067; May 29; v. 238; p. 1508.
- Severance, Edwin P. (See Tucker, Frank S., assignor.)
- Severin, Max C. (See Burnton, Carroll R., assignor.)
- Severy Manufacturing Company. (See Severy, Melvin L., assignor.)
- Severy, Melvin L., Arlington Heights, Mass. Sound-producing device. No. 1,218,324; Mar. 6; v. 236; p. 153.
- Severy, Melvin L., Arlington Heights, assignor to Severy Manufacturing Company, Boston, Mass. Electric switching device. No. 1,218,123; Mar. 6; v. 236; p. 82.
- Severy, Melvin L., Arlington Heights, assignor to Severy Manufacturing Company, Boston, Mass. Making resistance elements. No. 1,225,368; May 8; v. 238; p. 488.
- Severy, Melvin L., Arlington Heights, assignor to Severy Manufacturing Company, Boston, Mass. Clutch. No. 1,238,447; Aug. 28; v. 241; p. 1042.
- Severy, Melvin L., Los Angeles, Cal., assignor to Severy Manufacturing Company, Boston, Mass. Camera. No. 1,241,773; Oct. 2; v. 243; p. 96.
- Severy, Melvin L., Arlington Heights, Mass., and G. B. Sinclair, Georgetown, Me. Rheostat. No. 1,236,772; Aug. 14; v. 241; p. 435.
- Severy, Melvin L., Arlington Heights, Mass., and G. B. Sinclair, Georgetown, Me., assignors to Chloralcelo Company, Boston, Mass. Synchronizer. No. 1,224,420; May 1; v. 238; p. 110.
- Severy, Melvin, Los Angeles, Cal., and G. B. Sinclair, Georgetown, Me., assignors to Chloralcelo Manufacturing Company. Electric musical instrument. No. 1,245,518; Nov. 6; v. 244; p. 114.
- Severy, Melvin L., Arlington Heights, and W. L. Flint, Winthrop, Mass., assignors, by mesne assignments, to said Severy. Tuning-pin. No. 1,232,862; July 10; v. 240; p. 472.
- Seigny, Edward C., assignor of one-half to E. S. Bacon, Jacksonville, Fla. Auxiliary air-inlet device for internal-combustion engines. No. 1,241,155; Sept. 25; v. 242; p. 865.
- Seville, David. (See Taylor, Charles E., assignor.)
- Seville, William, Beverly, Mass. Headlight-shield. No. 1,238,204; Aug. 28; v. 241; p. 962.
- Sewall, James J., Asheville, N. C. Weighing-machine. No. 1,231,952; July 3; v. 240; p. 139.
- Seward, E. Clarkson, trustee. (See Hobson, Francis J., assignor.)
- Seward, Ernest R., assignor to Gisholt Machine Company, Madison, Wis. Taper attachment for lathes. No. 1,233,711; July 17; v. 240; p. 784.
- Seward, George A., Rome, Ga. Lamp-hook for cars. No. 1,219,354; Mar. 13; v. 236; p. 546.
- Seward Trunk and Bag Company. (See Barksdale, Clement D., assignor.)
- Seward Trunk and Bag Company, The. (See Graves, Churchill G., assignor.) (Reissue.)
- Seward Trunk and Bag Company. (See House, Thomas M., assignor.)
- Sewell, William B., Agricultural College, Miss., assignor to Scientific Accounting Company, Wilmington, Del. Account-filing system. No. 1,219,175; Mar. 13; v. 236; p. 485.
- Sexauer, Albert, Madrid, Iowa. Attachment for wagon-reaches. No. 1,226,124; May 15; v. 238; p. 785.
- Sexton, Douglas J. (See Blanton and Sexton.)
- Sexton, Earl, Hartford, Conn. Hotbed sprinkler system. No. 1,220,279; Mar. 27; v. 236; p. 938.
- Sexton, George A., Fitchburg, Mass. Belt-shifting device. No. 1,241,036; Sept. 25; v. 242; p. 828.
- Sexton, George B., San Francisco, Cal. Collapsible bucket. No. 1,225,511; May 8; v. 238; p. 534.
- Sexton, James J., and R. E. Klages, Columbus, Ohio. Automobile-headlight control. No. 1,231,076; June 26; v. 239; p. 1029.
- Sexton, Robert H., assignor to William A. Sexton Company, Incorporated, New York, N. Y. Freezer. No. 1,221,482; Apr. 3; v. 237; p. 168.
- Sexton, Roy W., Wytheville, Va. Impregnated-felt filler-form. No. 1,224,674; May 1; v. 238; p. 199.
- Sexton, Roy W., Wytheville, Va. Flat package. No. 1,229,799; June 12; v. 239; p. 529.
- Sexton, William A., Newton, Mass. Oil clarifying and dispensing apparatus. No. 1,248,730; Dec. 4; v. 245; p. 90.
- Seybold, Seward R. (See Barnes, James, assignor.)
- Seydel, Otto, St. Louis, Mo. Towel and napkin supporter. No. 1,237,564; Aug. 21; v. 241; p. 725.
- Seyferth, Charles E. B., Troisdorf, Germany. Utilizing the washwater of the manufacture of nitrocellulose. No. 1,248,933; Dec. 4; v. 245; p. 148.
- Seymour, Benjamin F., Denver, Colo. Propeller for flying-machines. No. 1,244,786; Oct. 30; v. 243; p. 1176.
- Seymour, Benjamin F., assignor to The International Army & Navy Equipment Company, Denver, Colo. Extensible mast. No. 1,250,108; Dec. 11; v. 245; p. 516.
- Seymour, Charles, Little Rock, Ark. Steam-boiler superheater. No. 1,222,476; Apr. 10; v. 237; p. 549.
- Seymour, Charles R. (See Hawkins and Seymour.)
- Seymour, Clayton, Burlington, Vt. Gas-engine tester. No. 1,239,974; Sept. 11; v. 242; p. 428.
- Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Sewing-machine. No. 1,211,493; Jan. 9; v. 234; p. 415.
- Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Clutch device for power-transmitters. No. 1,212,267; Jan. 16; v. 234; p. 716.

- Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Looper mechanism for sewing-machines. No. 1,213,424; Jan. 23; v. 234; p. 1154.
- Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Looper-thread controller. No. 1,216,738; Feb. 20; v. 235; p. 882.
- Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Thread-cutter for sewing-machines. No. 1,227,843; May 29; v. 238; p. 1431.
- Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Filled-bag-sewing machine. No. 1,235,846; Aug. 7; v. 241; p. 103.
- Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Duplex filled-sack-sewing machine. No. 1,237,710; Aug. 21; v. 241; p. 772.
- Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Sewing-machine. No. 1,238,580; Aug. 28; v. 241; p. 1085.
- Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Filled-bag-sewing machine. No. 1,240,095; Sept. 11; v. 242; p. 463.
- Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Sewing-machine. No. 1,246,336; Nov. 13; v. 244; p. 387.
- Seymour, Dudley S., Oak Park, assignor to Union Special Machine Company, Chicago, Ill. Filled-bag-sewing apparatus. No. 1,248,731; Dec. 4; v. 245; p. 90.
- Seymour, Dudley S., assignor to Union Special Machine Company, Chicago, Ill. Trimmer for sewing-machines. No. 1,234,497; July 24; v. 240; p. 1074.
- Seymour, Edward W., New York, N. Y. Pocket flashlight. No. 1,248,934; Dec. 4; v. 245; p. 148.
- Seymour, Frank S., Holyoke, Mass. Signaling device for vehicles. No. 1,238,348; Aug. 28; v. 241; p. 1010.
- Seymour, Frederick S., Manchester, Iowa. Automatic coal-feeder. No. 1,223,626; Apr. 24; v. 237; p. 1021.
- Seymour, Glenn K., assignor of forty one-hundredths to A. A. Teats, Denver, Colo. Mechanism for turning derrick-suspended grab-buckets in a horizontal plane. No. 1,225,185; May 8; v. 238; p. 424.
- Seymour, Glenn K., assignor of forty one-hundredths to A. A. Teats, Denver, Colo. Grab-bucket for derricks. No. 1,225,186; May 8; v. 238; p. 425.
- Seymour, Irene G. (See Howard, Joe E., assignor.)
- Seymour, James A., Auburn, N. Y. Variable-delivery fuel pump for internal-combustion engines. No. 1,222,143; Apr. 10; v. 237; p. 432.
- Seymour, James M., Jr., Newark, N. J. Self-oiling bearing. No. 1,227,082; May 29; v. 238; p. 1147.
- Seymour, James M., Jr., Newark, N. J. Washing apparatus. No. 1,234,498; July 24; v. 240; p. 1075.
- Seymour, Jonathan C., Bellefourche, S. D. Cage for motor-vehicles and the like. No. 1,236,773; Aug. 14; v. 241; p. 435.
- Seymour, Oliver E., assignor of one-half to W. J. Thomas, Milwaukee, Wis. Automobile-lifting apparatus. No. 1,240,496; Sept. 18; v. 242; p. 628.
- Seymour, Ralph C., Larchmont, N. Y., assignor to Goss Printing Press Company, Chicago, Ill. Associating and binding machine. No. 1,213,425; Jan. 23; v. 234; p. 1154.
- Seymour, Ralph C., Larchmont, N. Y., assignor to Goss Printing Press Company. Web-cutting machine. No. 1,248,023; Nov. 27; v. 244; p. 946.
- Seymour, William S. (See Plumb, Seymour, and Weed.)
- Shackelford, Orie, Fairmont, W. Va. Fountain-pen. No. 1,219,675; Mar. 20; v. 236; p. 689.
- Shackelford, Orie, Fairmont, W. Va. Fly-trap. No. 1,221,093; Apr. 3; v. 237; p. 33.
- Shackey, James B., San Francisco, Cal. Grinding-mill. No. 1,245,625; Nov. 6; v. 244; p. 147.
- Shackleton, George W., Braithwaite, assignor to G. Hattersley and Sons, Limited, Keighley, England. Pick-finding mechanism for looms. No. 1,238,947; Sept. 4; v. 242; p. 73.
- Shadall, Charles E., Milwaukee, assignor to Shadall Manufacturing Company, Wauwatosa, Wis. Ventilating apparatus. No. 1,216,247; Feb. 13; v. 235; p. 659.
- Shadall, Charles E., Milwaukee, assignor to Shadall Manufacturing Company, Wauwatosa, Wis. Flushing and ventilating apparatus. No. 1,242,251; Oct. 9; v. 243; p. 289.
- Shadall Manufacturing Company. (See Shadall, Charles E., assignor.)
- Shadbolt, William O., Brooklyn, N. Y. Fifth-wheel for vehicles. No. 1,213,280; Jan. 23; v. 234; p. 1103.
- Shadbolt, William O., Brooklyn, N. Y. Truck. No. 1,245,276; Nov. 6; v. 244; p. 40.
- Shadbolt, William O., Brooklyn, N. Y. Fifth-wheel for vehicles. No. 1,245,277; Nov. 6; v. 244; p. 40.
- Shadbolt, William O., Brooklyn, N. Y. Truck. No. 1,248,024; Nov. 27; v. 244; p. 246.
- Shadley, Miles A., Kansas City, Mo. Pipe union or coupling seal. No. 1,213,426; Jan. 23; v. 234; p. 1155.
- Shoen, Michael, Washington, D. C. Process and apparatus for removing electrotape-wax. No. 1,215,880; Feb. 13; v. 235; p. 528.
- Shafer, Alonzo F., Moore, W. Va. Stapling-machine. No. 1,222,149; Apr. 10; v. 237; p. 433.
- Shafer, Arthur A., assignor to Rickert-Shafer Company, Erie, Pa. Tapping-machine. No. 1,244,084; Oct. 23; v. 243; p. 926.
- Shafer, Edward B., Decatur, Ill. Actuating device for toy vehicles. No. 1,239,729; Sept. 11; v. 242; p. 351.
- Shafer, James O., Claremont, Ill. Plow-hitch. No. 1,211,968; Jan. 9; v. 234; p. 584.
- Shafer, John M., Drain, Oreg. Corset. No. 1,247,584; Nov. 20; v. 244; p. 786.
- Shafer, Samuel, Jr. (See Levalley and Shafer.)
- Shafer, Samuel F., Tacoma, Wash. Life-preserver. No. 1,218,904; Mar. 13; v. 236; p. 393.
- Shaffer, Allen R., Holbrook, Nebr. Grain-drill. No. 1,243,560; Oct. 16; v. 243; p. 730.
- Shaffer, Charles E., Morrill, Nebr. Dam. No. 1,237,107; Aug. 14; v. 241; p. 542.
- Shaffer, Frank, Everett, Wash., assignor to American Can Company. Metal receptacle. No. 1,215,724; Feb. 13; v. 235; p. 472.
- Shaffer, Henry L., Washington, Iowa. Relief-valve for pneumatic tires. No. 1,234,940; July 31; v. 240; p. 1247.
- Shaffer, Luther, Boone, Iowa. Plant-setting machine. No. 1,230,406; June 19; v. 239; p. 898.
- Shaffer, Randolph, Tampa, Fla. Liquid-fertilizer distributor. No. 1,245,626; Nov. 6; v. 244; p. 147.
- Shaffner, Samuel C., Chicago, Ill. Toaster. No. 1,221,228; Apr. 3; v. 237; p. 80.
- Shaffner, Samuel E., St. Louis, Mo. Pineapple product. No. 1,214,598; Feb. 6; v. 235; p. 40.
- Shah, Pan F., Isin Tin Lee, Tientsin, China. Type-writing machine. No. 1,247,585; Nov. 20; v. 244; p. 786.
- Shallor, Frank E. (See Kuhn and Shallor.)
- Shainwald, Ralph L., Jr., New York, N. Y. Roofing. No. 1,210,855; Jan. 2; v. 234; p. 163.
- Shakespeare Company. (See Shakespeare and Schmid, assignors.)
- Shakespeare, William, Jr., and W. Schmid, assignors to Shakespeare Company, Kalamazoo, Mich. Air-heater for carbureters. No. 1,226,710; May 22; v. 238; p. 1018.
- Shakespeare, William, Jr., and W. Schmid, assignors to Shakespeare Company, Kalamazoo, Mich. Control device. No. 1,226,711; May 22; v. 238; p. 1019.
- Shakespeare, William, Jr., and W. Schmid, assignors to William Shakespeare, Jr., Company, Kalamazoo, Mich. Carbureter. No. 1,234,227; July 24; v. 240; p. 986.
- Shakespeare, William, Jr., and W. Schmid, assignors to William Shakespeare, Jr., Company, Kalamazoo, Mich. Carbureter. No. 1,234,399; July 24; v. 240; p. 1042.
- Shakespeare, William, Jr., and W. Schmid, assignors to Shakespeare Company, Kalamazoo, Mich. Carbureter. No. 1,234,400; July 24; v. 240; p. 1043.
- Shakespeare, William, Jr., and W. Schmid, assignors to Shakespeare Company, Kalamazoo, Mich. Carbureter. No. 1,234,401; July 24; v. 240; p. 1044.
- Shakespeare, William, Jr., and W. Schmid, assignors to Shakespeare Company, Kalamazoo, Mich. Carbureter. No. 1,237,395; Aug. 21; v. 241; p. 671.
- Shakespeare, William, Jr., and W. Schmid, assignors to William Shakespeare, Jr., Company, Kalamazoo, Mich. Carbureter. No. 1,243,348; Oct. 16; v. 243; p. 668.
- Shallenberger, Charles S., assignor to Commonwealth Steel Company, St. Louis, Mo. Car dead-block. No. 1,221,229; Apr. 3; v. 237; p. 81.
- Shambow, John C., Woonsocket, R. I. Tension device for shuttles. No. 1,230,525; June 19; v. 239; p. 805.
- Shammo, Byron A., New York, N. Y. Paper-fender for type-writing machines. No. 1,216,857; Feb. 20; v. 235; p. 922.
- Shampay Brothers. (See Shampay, Pascal J., assignor.)
- Shampay, Pascal J., assignor to Shampay Brothers, Chicago, Ill. Cleaning device. No. 1,217,352; Feb. 27; v. 235; p. 1135.
- Shanahan, John W., assignor to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Vacuum-cleaner. No. 1,233,408; July 17; v. 240; p. 687.
- Shanahan, John W., and F. C. Mason, assignors to Bissell Carpet Sweeper Company, Grand Rapids, Mich. Vacuum-cleaner. No. 1,222,477; Apr. 10; v. 237; p. 549.
- Shanahan, Robert E., assignor to Bissell Carpet Sweeper Co., Grand Rapids, Mich. Vacuum-cleaner. No. 1,233,409; July 17; v. 240; p. 686.
- Shand, Robert, Lynn, Mass., assignor to General Electric Company. Electrical measuring instrument. No. 1,236,114; Aug. 7; v. 241; p. 188.
- Shanks, Matthew S., and W. J. Nickell, Centerville, Iowa. Frost-forming preventer. No. 1,249,215; Dec. 4; v. 245; p. 228.
- Shannahan, Bernard E., Binghamton, N. Y. Mop-holder. No. 1,245,990; Nov. 6; v. 244; p. 252.
- Shannon, John, Stonington, Conn. Transmission-control device for motor-vehicles. No. 1,215,206; Feb. 6; v. 235; p. 252.
- Shannon, Lloyd D., Binghamton, N. Y. Robe-roller. No. 1,238,581; Aug. 28; v. 241; p. 1086.
- Shannon, Oscar M., New York, assignor, by mesne assignments, to E. C. Stearns & Company, Syracuse, N. Y. Incinerating apparatus. No. 1,218,325; Mar. 6; v. 236; p. 153.
- Shannon, William N., Brooklyn, N. Y. Automobile-frame extension. No. 1,250,677; Dec. 18; v. 245; p. 725.

Alphabetical list of patentees—Continued.

- Shannon, Woodford, Louisville, Ky. Corner-fastening for beds and other articles of furniture. No. 1,230,333; June 19; v. 239; p. 742.
- Shannon, Woodford, Louisville, Ky. Spring structure. No. 1,239,529; Sept. 11; v. 242; p. 286.
- Shanon, William W., Bethlehem, Pa. Unloading apparatus. No. 1,222,686; Apr. 17; v. 237; p. 664.
- Shapiro, Abraham. (See Belasco and Shapiro.)
- Shapiro, Abraham, Minneapolis, Minn. Combination ventilated laundry stove and boiler. No. 1,233,716; July 17; v. 240; p. 786.
- Shapland, George F., Salina, Kans. Rail-joint. No. 1,247,016; Nov. 20; v. 244; p. 625.
- Sharkey, Joseph. (See Sharkey, Thomas A., assignor.)
- Sharkey, Thomas A., assignor to J. Sharkey, Brooklyn, N. Y. Transposing-keyboard. No. 1,244,250; Oct. 23; v. 243; p. 976.
- Sharon Hardware Manufacturing Company. (See Ferris, William D., assignor.)
- Sharp, Abia J., and J. O. Foster, Harrisonville, Mo. Safety-drive for drilling-machine drums. No. 1,213,698; Jan. 23; v. 234; p. 1247.
- Sharp, Bernal H., and F. J. Bender, Woodland, Cal. Liquid-cooling apparatus. No. 1,248,179; Nov. 27; v. 244; p. 990.
- Sharp, Charles S., Auburn, N. Y., assignor to International Harvester Company of New Jersey. Disk harrow. No. 1,213,281; Jan. 23; v. 234; p. 1103.
- Sharp, Charles S., Auburn, N. Y., assignor to International Harvester Company of New Jersey. Harrow. No. 1,214,961; Feb. 6; v. 235; p. 167.
- Sharp, Charles S., Auburn, N. Y., assignor to International Harvester Company of New Jersey. Disk harrow. No. 1,221,230; Apr. 3; v. 237; p. 81.
- Sharp, Charles S., Auburn, N. Y., assignor to International Harvester Company of New Jersey. Disk harrow. No. 1,247,017; Nov. 20; v. 244; p. 625.
- Sharp, Charles S., Auburn, N. Y., assignor to International Harvester Company of New Jersey. Stalk-cutter. No. 1,247,018; Nov. 20; v. 244; p. 625.
- Sharp, Emma, Sherwood, Oreg. Cork - puller. No. 1,250,678; Dec. 18; v. 245; p. 725.
- Sharp, Herbert E., Tropic, Cal. Automobile-turner. No. 1,220,028; Mar. 20; v. 236; p. 810.
- Sharp-Hughes Tool Company. (See Hughes, Howard R., assignor.)
- Sharp, James A., Springfield, Ohio, assignor to International Harvester Company of New Jersey. Fertilizer-distributor. No. 1,225,873; May 15; v. 238; p. 699.
- Sharp, Jessie J., Circle, Mont. Sanitary toilet-seat protector. No. 1,223,208; Apr. 17; v. 237; p. 843.
- Sharp, Joseph W., Jr., assignor to Haines, Jones & Cadbury, Inc., Philadelphia, Pa. Water-closet. No. 1,218,124; Mar. 6; v. 236; p. 83.
- Sharp, Joseph W., Jr., Berwyn, Pa., assignor to Haines, Jones & Cadbury, Incorporated. Water-flushing control. No. 1,241,037; Sept. 25; v. 242; p. 829.
- Sharp, Joseph W., Jr., Berwyn, and A. E. Bacon, Germantown, Pa., assignors to Haines, Jones & Cadbury Incorporated. Flushing device. No. 1,227,554; May 22; v. 238; p. 1302.
- Sharp, Marcus, Camden, N. J. Game apparatus. No. 1,212,698; Jan. 16; v. 234; p. 870.
- Sharp, Mitchell, Dunmore, W. Va. Rail-joint. No. 1,226,819; May 22; v. 238; p. 1057.
- Sharp, Mitchell, Dunmore, W. Va., assignor of one-third to W. McElwee, Dunmore, W. Va. Spring-wheel. No. 1,245,991; Nov. 6; v. 244; p. 252.
- Sharp & Smith. (See Clare, Charles E., assignor.)
- Sharp & Smith. (See Rink, Louis G., assignor.)
- Sharp, Warren M., Binghamton, N. Y. Rotary ash and garbage receptacle. No. 1,219,176; Mar. 13; v. 236; p. 485.
- Sharp, William E., assignor to Grip Nut Company, Chicago, Ill. Nut-lock. No. 1,216,858; Feb. 20; v. 235; p. 923.
- Sharp, William E., assignor to Grip Nut Company, Chicago, Ill. Nut-lock. No. 1,228,704; June 5; v. 239; p. 112.
- Sharp, William E., assignor to Grip Nut Company, Chicago, Ill. Nut-tapping machine. No. 1,230,931; June 26; v. 239; p. 978.
- Sharp, William H. (See Waite and Hedin, assignors.)
- Sharp, William H., assignor to Bauer & Black, Chicago, Ill. Surgical swab. No. 1,221,231; Apr. 3; v. 237; p. 82.
- Sharpe, Frederick H., Liverpool, England. Apparatus for carbonating lead oxid. No. 1,214,229; Jan. 30; v. 234; p. 1458.
- Sharples, David T., West Chester, Pa. Milking-machine. No. 1,218,125; Mar. 6; v. 236; p. 83.
- Sharples, David T., West Chester, Pa. Belt-shifting mechanism. No. 1,223,430; Apr. 24; v. 237; p. 950.
- Sharples, David T., West Chester, Pa. Method and apparatus for milking. No. 1,238,831; Sept. 4; v. 242; p. 36.
- Sharples, David T. and L. P., West Chester, Pa. Milking-machine. No. 1,221,483; Apr. 3; v. 237; p. 169.
- Sharples, Lawrence P. (See Sharples, David T. and L. P.)
- Sharples, Philip T., West Chester, Pa. Process of and apparatus for separating solids from liquids. No. 1,232,104; July 3; v. 240; p. 192.
- Sharples Specialty Company, The. (See Ayres, Eugene E., Jr., assignor.)
- Sharples, William J., Gisborne, New Zealand. Gramophone-record holder. No. 1,229,330; June 12; v. 239; p. 321.
- Sharpley, Aaron E. (See Myers and Sharpley.)
- Sharpneck, Eliel L., Winthrop, Mass. Roller-bearing. No. 1,250,367; Dec. 18; v. 245; p. 633.
- Sharps, John A., Babin, W. Va. Shade-roller support. No. 1,223,837; Apr. 24; v. 237; p. 1095.
- Sharrer, Jacob M., New York, N. Y. Folding top for vehicles. No. 1,215,207; Feb. 6; v. 235; p. 252.
- Shartle, Charles W., Middletown, Ohio. Engine. No. 1,225,874; May 15; v. 238; p. 700.
- Shatto, George E., assignor to The Kilby Manufacturing Company, Cleveland, Ohio. Perculator. No. 1,248,560; Dec. 4; v. 245; p. 39.
- Shatto, William H., San Jose, Cal. Nest. No. 1,212,268; Jan. 16; v. 234; p. 716.
- Shattuck, Ira H., Los Angeles, Cal. Towel-cabinet. No. 1,229,533; June 12; v. 239; p. 440.
- Shattuck, William P., Minneapolis, Minn. Outing-trailer. No. 1,229,534; June 12; v. 239; p. 441.
- Shauck, Albert G., et al. (See Ratekin, Emery J., assignor.)
- Shaulis, Edward F., Indiana, Pa. Uterine supporter. No. 1,219,496; Mar. 20; v. 236; p. 625.
- Shaut, Edwin J., Hammondspont, N. Y. Device for preventing hens from setting. No. 1,218,905; Mar. 13; v. 236; p. 394.
- Shauver, Fred, et al. (See Walter, Ira D., assignor.)
- Shauver, Harvey C., et al. (See Walter, Ira D., assignor.)
- Shave, William H., and W. G. Wilson, Erie, Pa. Holder. No. 1,248,732; Dec. 4; v. 245; p. 91.
- Shaver, Charles H., Bellingham, Wash. Silo. No. 1,234,941; July 31; v. 240; p. 1247.
- Shaver, James E., Jr., Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y. Offset-preventing device for stenciling-machines. No. 1,210,548; Jan. 2; v. 234; p. 59.
- Shaver, Oliver I., Park Rapids, Minn. Air-moistening device. No. 1,225,684; May 8; v. 238; p. 593.
- Shaver, Phillip A., Puente, Cal. Mail catching and delivering apparatus. No. 1,229,331; June 12; v. 239; p. 372.
- Shaver, William T., Des Moines, Iowa. Vehicle-trailer. No. 1,234,224; July 24; v. 240; p. 935.
- Shaw, Al B., Medford, Mass., assignor to Shaw Tire Company. Inner tube. No. 1,242,252; Oct. 9; v. 243; p. 289.
- Shaw, Allan D., Savanna, Ill. Tire-mileage register. No. 1,238,205; Aug. 28; v. 241; p. 963.
- Shaw, Archibald, Randwick, near Sydney, New South Wales, Australia. Rectifying spark-gap for high-tension alternating electrical currents. No. 1,235,935; Aug. 7; v. 241; p. 133.
- Shaw, Arthur L., Chicago, Ill. Conveyor trolley-track and trolley therefor. No. 1,222,041; Apr. 10; v. 237; p. 394.
- Shaw, Edgar S., Minerva, Ohio. Vehicle signal apparatus. No. 1,213,282; Jan. 23; v. 234; p. 1103.
- Shaw, Edward T., assignor to Pittsfield Spark Coil Company, Pittsfield, Mass. Electrical make-and-break device. No. 1,236,989; Aug. 14; v. 241; p. 504.
- Shaw, Edward T., and G. E. Wood, assignors to Pittsfield Spark Coil Company, Pittsfield, Mass. Combined coil, timer, and distributor device. No. 1,246,822; Nov. 13; v. 244; p. 532.
- Shaw, Edward W., Kalgoolie, Western Australia, Australia. Swivel head-lamp for motor-cars. No. 1,216,173; Feb. 13; v. 235; p. 634.
- Shaw, Edwin C., Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company. Vehicle-wheel rim. No. 1,240,888; Sept. 25; v. 242; p. 782.
- Shaw Electric Crane Company. (See Sawyer, Harry, assignor.)
- Shaw, Emmerson N., assignor of forty-five one-hundredths to H. S. Wallace, San Francisco, Cal. Stove. No. 1,214,086; Jan. 30; v. 234; p. 1411.
- Shaw, Frank E., assignor of one-half to C. H. Kern, Columbus, Ohio. Water-closet-flushing tank. No. 1,213,913; Jan. 30; v. 234; p. 1351.
- Shaw, George B., New York, N. Y. Rug and carpet fastener. No. 1,236,217; Aug. 7; v. 241; p. 222.
- Shaw, George H., et al. (See Davidson, Ira M., assignor.)
- Shaw, Harry A., Chicago, Ill. Compartment-trunk. No. 1,244,647; Oct. 30; v. 243; p. 1134.
- Shaw, Howard A., Yonkers, N. Y. Vehicle-check. No. 1,229,535; June 12; v. 239; p. 441.
- Shaw, James C., Philadelphia, Pa., assignor to The William Cramp & Sons Ship & Engine Building Company. Steam-turbine. No. 1,235,936; Aug. 7; v. 241; p. 133.
- Shaw, James C., Philadelphia, Pa., assignor to The William Cramp & Sons Ship & Engine Building Company. Marine-turbine propulsion. No. 1,235,937; Aug. 7; v. 241; p. 134.
- Shaw, James C., Philadelphia, Pa., assignor to The William Cramp & Sons Ship & Engine Building Company. Compound geared turbine. No. 1,235,938; Aug. 7; v. 241; p. 134.
- Shaw, James C., Philadelphia, Pa., assignor to The William Cramp & Sons Ship & Engine Building Company. Compound geared turbine. No. 1,235,939; Aug. 7; v. 241; p. 134.

- Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,216,859; Feb. 20; v. 235; p. 923.
- Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,229,332; June 12; v. 239; p. 372.
- Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,229,333; June 12; v. 239; p. 372.
- Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock. 1,229,334; June 12; v. 239; p. 373.
- Shaw, John H., assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,229,335; June 12; v. 239; p. 373.
- Shaw, Joseph B. (See Matheson and Shaw.)
- Shaw, Juan D., Buenos Aires, Argentina. Device for avoiding the twisting of electric wires. No. 1,238,448; Aug. 28; v. 241; p. 1042.
- Shaw, Leon I., Evanston, Ill. Gas-generator. No. 1,245,807; Nov. 6; v. 244; p. 202.
- Shaw, Leonard, Miami, Fla. Sprinkler. No. 1,239,229; Sept. 4; v. 242; p. 163.
- Shaw, Leonard, Miami, Fla. Sprinkler. No. 1,239,230; Sept. 4; v. 242; p. 164.
- Shaw, Levi M., assignor to H. C. Johnson, Glencoe, Ill. Speed-controlling mechanism. No. 1,250,679; Dec. 18; v. 245; p. 726.
- Shaw, Lloyd H., Mount Pleasant, Pa. Pumping system. No. 1,250,368; Dec. 18; v. 245; p. 633.
- Shaw, Minnie, Chicago, Ill. Corset. No. 1,247,019; Nov. 20; v. 244; p. 625.
- Shaw, Moses M., Braddock, Pa. Fender for automobile-trucks. No. 1,248,935; Dec. 4; v. 245; p. 148.
- Shaw, Otto G., and G. A. McKenzie, Bay City, Mich. Mold. No. 1,211,632; Jan. 9; v. 234; p. 463.
- Shaw, Percy W., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Thread-fastening machine. No. 1,237,711; Aug. 21; v. 241; p. 773.
- Shaw, Thomas, Hackensack, N. J., assignor to American Telephone and Telegraph Company. Protective system for composite circuits. No. 1,222,810; Apr. 17; v. 237; p. 707.
- Shaw, Thomas C., near Honea Path, S. C. Bulletin-board. No. 1,247,886; Nov. 27; v. 244; p. 908.
- Shaw-Tire Company. (See Shaw, Al B., assignor.)
- Shaw-Walker Company, The. (See Hunter, David E., assignor.)
- Shaw, Walter, Dedham, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for setting fasteners. No. 1,231,210; June 26; v. 239; p. 1074.
- Shaw, Walter, Dedham, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Starting and stopping mechanism. No. 1,243,769; Oct. 23; v. 243; p. 831.
- Shaw, William, Lakewood, assignor to National Carbon Company, Cleveland, Ohio. Sorting and gaging apparatus. No. 1,226,917; May 22; v. 238; p. 1090.
- Shaw, William F., Pueblo, Colo. Dental artificial anchor. No. 1,211,494; Jan. 9; v. 234; p. 416.
- Shaw, William F., Pueblo, Colo. Dental-crown attachment. No. 1,228,488; June 5; v. 239; p. 39.
- Shaw, William M., Greenville, Me. Cableway conveying system. No. 1,212,269; Jan. 16; v. 234; p. 717.
- Shaw, William V., Riverside, Iowa. Watering-trough. No. 1,240,785; Sept. 18; v. 242; p. 717.
- Shaw, William W., Augusta, Me. Non-refillable bottle. No. 1,251,429; Dec. 25; v. 245; p. 997.
- Shawhan, Richard J., Kersey, Colo. Head-lamp control. No. 1,247,586; Nov. 20; v. 244; p. 787.
- Shawver, Glen L. (See Guill and Shawver.)
- Shay, Ira D., Baltimore, Md. Screw-driver. No. 1,239,131; Sept. 4; v. 242; p. 133.
- Shea, Christopher A., Boston, Mass. Electric motor. No. 1,216,002; Feb. 13; v. 235; p. 571.
- Shea, Francis A. (See Proctor, Alfred W., assignor.)
- Shea, John J., Hartford, Conn., assignor to The Hartford Rubber Works Company. Separating device for rubber-mills. No. 1,249,216; Dec. 4; v. 245; p. 228.
- Shea, John M., Sioux City, Iowa. Steam-blast cleaner for boiler-fines. No. 1,227,007; May 22; v. 238; p. 1123.
- Sheafe, James S., New Brighton, N. Y., and V. Tobolla, Chicago, Ill.; said Tobolla assignor to said Sheafe. Train-pipe hose. No. 1,242,874; Oct. 9; v. 243; p. 488.
- Sheaff, Philip A., Philadelphia, Pa. Speculum. No. 1,222,478; Apr. 10; v. 237; p. 550.
- Sheaffer, James E., Burnham, Pa. Hydrocarbon-burner. No. 1,210,856; Jan. 2; v. 234; p. 163.
- Sheaffer, John E., Washington, D. C. Egg and cream beater. No. 1,227,327; May 22; v. 238; p. 1229.
- Sheaffer, William J., assignor of one-third to E. E. Barner, Liverpool, Pa. Valve for gas-engines. No. 1,229,336; June 12; v. 239; p. 374.
- Shear-Klean Grate Company. (See Kohout, George A., assignor.)
- Shearer, David M., Vicksburg, Miss. Apparatus for launching revetment-mats. No. 1,229,152; June 5; v. 239; p. 261.
- Shearer, Frederick, London, England, assignor to American Radiator Company, Chicago, Ill. Combined heating and cooking apparatus. No. 1,236,990; Aug. 14; v. 241; p. 504.
- Shearer, Frederick C., assignor to U. S. Indestructible Tie Manufacturing Company, Eagle Pass, Tex. Railway-tie. No. 1,229,153; June 5; v. 239; p. 261.
- Shearer, Frederick C., assignor to U. S. Indestructible Tie Manufacturing Company, Eagle Pass, Tex. Railway-tie. No. 1,229,154; June 5; v. 239; p. 261.
- Shearer, Frederick C., assignor to U. S. Indestructible Tie Manufacturing Company, Eagle Pass, Tex. Tie-mold. No. 1,250,233; Dec. 18; v. 245; p. 593.
- Shearer, Leo C., Latrobe, Pa. Telegraph sending and recording device. No. 1,230,807; June 19; v. 239; p. 898.
- Shearer, Oscar, Colfax, Wash. Trace-hook. No. 1,216,860; Feb. 20; v. 235; p. 923.
- Shearer, Walter R. (See Taylor and Shearer.)
- Shearing, Francis C., San Jose, Cal. Washing-machine. No. 1,230,231; June 19; v. 239; p. 708.
- Sheble, Horace, and T. Kraemer, assignors to Domestic Talking Machine Corporation, Philadelphia, Pa. Talking-machine. No. 1,240,497; Sept. 18; v. 242; p. 629.
- Shebol, Joseph. (See Lemp, Albrecht, and Shebol.)
- Shedd, Harry M., Elizabeth, N. J. Electric power system. No. 1,231,953; July 3; v. 240; p. 139.
- Shedenhelm, Robert, assignor, by mesne assignments, to H. S. Butler, Ladora, Iowa. Manure-loader. No. 1,226,125; May 15; v. 238; p. 785.
- Shee, Parke E. (See Griel and Shee.)
- Shee, Parke B., Oak Park, assignor to Sears, Roebuck & Company, Chicago, Ill. Separator-drive. No. 1,233,516; July 17; v. 240; p. 721.
- Sheedy, Patrick. (See Kellogg, Daniel P., assignor.)
- Sheehan, Edward J., assignor of one-half to W. S. McCay, Pasadena, Cal. Separating the component parts of liquids. No. 1,211,361; Jan. 2; v. 234; p. 336.
- Sheehan, Edward J., assignor of one-half to W. S. McCay, Pasadena, Cal. Extracting essential oils. No. 1,211,969; Jan. 9; v. 234; p. 584.
- Sheehan, John J., et al. (See Woodward, Erastus, assignor.)
- Sheehan, William M., assignor to Commonwealth Steel Company, St. Louis, Mo. Locomotive-frame. No. 1,247,731; Nov. 27; v. 244; p. 863.
- Sheehy, Thomas. (See Sheehy, William E., assignor.)
- Sheehy, William E., assignor of one-half to T. Sheehy, Newfields, N. H. Self-lubricating bushing. No. 1,218,808; Mar. 13; v. 236; p. 360.
- Sheets, William P., Princeton, Mo. Extension-bit. No. 1,232,397; July 3; v. 240; p. 286.
- Sheffield Car Company. (See Hoshel, William F., assignor.)
- Sheffer, Ira L., Detroit, Mich. Vacuum-cleaner. No. 1,231,077; June 26; v. 239; p. 1030.
- Shelburne, John W. (See Rennau, Charles A., assignor.)
- Shelby, Fitz Gerald, and P. Olmsted, Los Angeles, Cal. Folding combination pocket-square. No. 1,238,832; Sept. 4; v. 242; p. 36.
- Shelby, Fitz Gerald, and P. Olmsted, Los Angeles, Cal. Computing folding square. No. 1,238,833; Sept. 4; v. 242; p. 37.
- Shelby Spring Hinge Company, The. (See Malone and Hubbs, assignors.)
- Sheldon, Carson J., Youngstown, Ohio, assignor of one-seventh to J. L. Hoffacker, Sharon, Pa., and one-seventh to G. L. Schwartz, Youngstown, Ohio. Turbine-engine. No. 1,245,392; Nov. 6; v. 244; p. 74.
- Sheldon, Charles E., assignor of one-fourth to E. E. Karlskind, Salamanca, N. Y. Wall-paper trimmer. No. 1,232,398; July 3; v. 240; p. 286.
- Sheldon, Corliss, Saratoga Springs, N. Y. Circuit-closer. No. 1,239,830; Sept. 11; v. 242; p. 383.
- Sheldon, Daniel F., Ventura, Cal. Current-deflector and system of bank protection. No. 1,230,608; June 19; v. 239; p. 834.
- Sheldon, Frank D., assignor to Milwaukee Locomotive Manufacturing Company, Milwaukee, Wis. Journal-box. No. 1,210,549; Jan. 2; v. 234; p. 60.
- Sheldon, Harriet T., Marblecliff, Ohio. Garter. No. 1,228,068; May 29; v. 238; p. 1508.
- Sheldon, Harry E. (See Lindquist, Otto B., assignor.)
- Sheldon, Lucian A., Schenectady, N. Y., assignor to General Electric Company. Pressure safety device. No. 1,250,680; Dec. 18; v. 245; p. 727.
- Sheldon & Mathers. (See Tetrault, Eugene, assignor.)
- Sheldon, Samuel B., and K. C. Hoxie, Duluth, Minn. Connection for gas-mains. No. 1,230,808; June 19; v. 239; p. 899.
- Sheldon, Sidney R., Galt, Ontario, Canada. Fan-blade. No. 1,250,681; Dec. 18; v. 245; p. 727.
- Sheldon, William G., London, England, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,248,936; Dec. 4; v. 245; p. 143.
- Sheldrup, Hildar J., and O. O. Maland, Pelican Rapids, Minn. Connecting-rod bearing. No. 1,226,603; May 15; v. 238; p. 944.
- Shelley, James T., Louisville, Ky. Slow-feeding sanitary tub for stock. No. 1,215,725; Feb. 13; v. 235; p. 472.
- Shelley, Robert N., Newark, N. J. Towel-paper holder. No. 1,224,224; May 1; v. 238; p. 39.
- Shelley, Robert N., Newark, N. J. Towel-paper holder. No. 1,231,797; July 3; v. 240; p. 87.
- Shelor, Frederick L., Salem, Va. Barrel-filling apparatus. No. 1,230,334; June 19; v. 239; p. 742.

Alphabetical list of patentees—Continued.

- Shelton, Frederick L., Salem, assignor to International Filler Corporation, Richmond, Va. Bottle-filling apparatus. No. 1,232,105; July 3; v. 240; p. 192.
- Shelton, Frederick L., Salem, assignor to International Filler Corporation, Richmond, Va. Overflow jar or trap. No. 1,244,552; Oct. 30; v. 243; p. 1106.
- Shelton Adjustable Double Deck Car Co., The. (See Shelton, John B., assignor.)
- Shelton, E. C., *et al.* (See Sartain, Louis M., assignor.)
- Shelton, Edwin T., assignor of one-fourth to S. L. Langdale and one-fourth to W. H. Langdale, St. Louis, Mo. Window-shade-operating device. No. 1,228,069; May 29; v. 238; p. 1508.
- Shelton, Howard H., Akron, Ohio. Cotter. No. 1,222,896; Apr. 17; v. 237; p. 736.
- Shelton, John B., assignor to The Shelton Adjustable Double Deck Car Co., San Francisco, Cal. Freight and stock car. No. 1,231,657; July 3; v. 240; p. 39.
- Shelton-Payne Arms Company, The. (See Shelton, Walter H., assignor.)
- Shelton, Walter H., assignor to The Shelton-Payne Arms Company, El Paso, Tex. Pistol-holster. No. 1,230,443; June 12; v. 239; p. 606.
- Shelton, William G., New York, N. Y. Automatic electric winder for spring-motors. No. 1,217,843; Feb. 27; v. 235; p. 1308.
- Shelton, William G., New York, N. Y. Talking-machine motor. No. 1,234,811; July 31; v. 240; p. 1205.
- Shelton, William G., New York, N. Y. Operating device for mixing-machines. No. 1,238,834; Sept. 4; v. 242; p. 37.
- Shelton, William G., New York, N. Y. Talking-machine motor. No. 1,246,823; Nov. 13; v. 244; p. 532.
- Shelton, William G., New York, N. Y. Sewing-machine motor. No. 1,247,732; Nov. 27; v. 244; p. 864.
- Shelton, William G., New York, N. Y. Electric switch. No. 1,249,526; Dec. 11; v. 245; p. 348.
- Sheltra, George A. (See Fransosi, Antonio, assignor.)
- Shemin, Morris, Bayonne, assignor to J. L. Valentine, Jersey City, N. J. Self-filling fountain-pen. No. 1,214,087; Jan. 30; v. 234; p. 1411.
- Shemwell, Harold, assignor, by mesne assignments, to Birmingham Disc Harrow Company, Birmingham, Ala. Flexible disk harrow. No. 1,241,774; Oct. 2; v. 243; p. 97.
- Shemwell, Harold, assignor, by mesne assignments, to Birmingham Disc Harrow Company, Birmingham, Ala. Flexible-frame harrow-cultivator. No. 1,241,775; Oct. 2; v. 243; p. 97.
- Shenk, Francis D., Medford, and R. H. Holman, Stoneham, Mass. Headlight. No. 1,224,421; May 1; v. 238; p. 111.
- Shepard, Charles S., Cattaraugus, N. Y. Detachable pail-cover. No. 1,242,378; Oct. 9; v. 243; p. 329.
- Shepard, Francis H., New Rochelle, N. Y., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,236,774; Aug. 14; v. 241; p. 435.
- Shepard, Francis H., New Rochelle, N. Y., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,236,775; Aug. 14; v. 241; p. 436.
- Shepard, Francis H., New Rochelle, N. Y., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,246,477; Nov. 13; v. 244; p. 430.
- Shepard, Frank P., Oklahoma, Okla. Drinking-cup. No. 1,213,961; Jan. 30; v. 234; p. 1367.
- Shepard, Frederick C. (See Gamble and Shepard.)
- Shepard, Guy E., Hardwick, Vt. Washing-machine. No. 1,225,329; May 8; v. 238; p. 474.
- Shepard, James A., Montour Falls, N. Y. Motor and gearing therefor. No. 1,213,427; Jan. 23; v. 234; p. 1155.
- Shepard, Oscar F., assignor to The Warner Elevator Mfg. Company, Cincinnati, Ohio. Cable-clamp. No. 1,236,115; Aug. 7; v. 241; p. 189.
- Shepard, Oscar F., Jr., Cincinnati, Ohio. Set and release device for circuit-breakers and other mechanism. No. 1,232,106; July 3; v. 240; p. 193.
- Shepard, Stephen H. (See Best and Shepard.)
- Shepard, Wilbur L., Elmwood, Conn. Clutch. No. 1,229,664; June 12; v. 239; p. 484.
- Shepard, Wilbur L., West Hartford, Conn. Internal-combustion engine. No. 1,239,310; Sept. 4; v. 242; p. 189.
- Shephard, William A., Waukesha, Wis. Ship-protecting shield. No. 1,223,627; Apr. 24; v. 237; p. 1021.
- Shepherd, Alfred C., Bridgetown, Barbados, West Indies. Inhaler. No. 1,218,906; Mar. 13; v. 236; p. 394.
- Shepherd, Clinton F. (See Shepherd, Robert C., assignor.)
- Shepherd, Daniel W., Rupert, Idaho. Ore-separator. No. 1,218,809; Mar. 3; v. 236; p. 360.
- Shepherd, Frank, Forest Green, Mo. Straining-receptacle. No. 1,227,008; May 22; v. 238; p. 1123.
- Shepherd, Frank D., Salt Lake City, Utah. Puppet-valve for internal-combustion engines. No. 1,236,991; Aug. 14; v. 241; p. 504.
- Shepherd, Frank D., Salt Lake City, Utah. Puppet-valve for internal-combustion engines. No. 1,240,378; Sept. 18; v. 242; p. 591.
- Shepherd, Frank W. H., London, England. Composite machine-tool. No. 1,250,234; Dec. 18; v. 245; p. 593.
- Shepherd, Frederick H. S., London, assignor to Pipe Cleaners Limited, Cheapside, London, England. Machine for cleaning tobacco-pipes and the like. No. 1,233,410; July 17; v. 240; p. 686.
- Shepherd, George R., Brookline, assignor of one-half to G. N. Kaye, Boston, Mass. Attachment for twin faucets. No. 1,231,305; June 26; v. 239; p. 1105.
- Shepherd, John H., Elyria, Ohio. Float. No. 1,230,335; June 19; v. 239; p. 742.
- Shepherd, Robert C., Thomasville, N. C. Gearing for tractors. No. 1,232,399; July 3; v. 240; p. 286.
- Shepherd, Robert C., assignor of one-half to C. F. Shepherd, Los Angeles, Cal. Automobile-steering-gear lock. No. 1,220,996; Mar. 27; v. 236; p. 1183.
- Shepherd, Thomas W., Waltham, Mass. Chime-clock. No. 1,227,555; May 22; v. 238; p. 1302.
- Shepp, Daniel B., Philadelphia, Pa. Alarm. No. 1,240,889; Sept. 25; v. 242; p. 782.
- Sheppard, Creedy C., Bridgeport, Conn., assignor to United States Ordnance Company, Washington, D. C. Barrel-cooling device. No. 1,242,890; Oct. 9; v. 243; p. 492.
- Sheppard, Herbert V., Worcester, Mass. Apparatus for operating dash-lights. No. 1,238,948; Sept. 4; v. 242; p. 73.
- Sheppard, Herbert V., Worcester, Mass. Advertising device. No. 1,240,379; Sept. 18; v. 242; p. 592.
- Sheppard, Walter, Toledo, Ohio. Door-check. No. 1,214,230; Jan. 30; v. 234; p. 1459.
- Shepperd, George C., assignor of one-half to R. P. Leach, Miami Station, Mo. Attachment for heating-stoves. No. 1,227,328; May 22; v. 238; p. 1229.
- Shepperd, James W., Los Angeles, Cal. Garbage-container. No. 1,227,964; May 29; v. 238; p. 1473.
- Sheppy, Charles L., assignor to The Pierce-Arrow Motor Car Company, Buffalo, N. Y. Carburetor. No. 1,213,914; Jan. 30; v. 234; p. 1352.
- Sherbondy, William E., Cleveland, Ohio. Spark-plug. No. 1,224,125; Apr. 24; v. 237; p. 1192.
- Sherbondy, William E., Cleveland, Ohio. Suction-cleaner. No. 1,238,449; Aug. 28; v. 241; p. 1043.
- Sherburne, Charles H. (See Bridgman, Arthur L., assignor.)
- Sherer, John M., America, Ala. Beet-topper. No. 1,214,381; Jan. 30; v. 234; p. 1514.
- Sherer, Samuel J. (See Sherer, William G. and S. J.)
- Sherer, William G., Chicago, Ill. Drawer-pull. No. 1,212,408; Jan. 16; v. 234; p. 765.
- Sherer, William G. and S. J., Chicago, Ill. Display-counter. No. 1,222,687; Apr. 17; v. 237; p. 665.
- Sherer, Wm. J., *et al.* (See Schmidt, John, assignor.)
- Sheridan, Bert S., Cleveland, Ohio. Air-heating furnace. No. 1,242,992; Oct. 16; v. 243; p. 559.
- Sheridan, Charles L., Grygla, Minn. Sleigh. No. 1,230,809; June 19; v. 239; p. 899.
- Sheridan, Christopher J. (See Higgins and Sheridan.)
- Sheridan Iron Works, The, *et al.* (See Bredenberg, Alfred, assignor.)
- Sheridan, John, San Francisco, Cal. Cork-puller. No. 1,240,610; Sept. 18; v. 242; p. 661.
- Sheridan, John T., Bowling Green, Mo. Toilet-paper holder. No. 1,214,231; Jan. 30; v. 234; p. 1459.
- Sheridan, Philip H., Fort Myer, Va. Foot-scraper. No. 1,212,572; Jan. 16; v. 234; p. 823.
- Sheridan, Thomas J., Charleston, S. C. Plant protector and irrigator. No. 1,218,326; Mar. 6; v. 236; p. 154.
- Sherman, Charles, Maywood, Ill. Non-repeating safety-clutch. No. 1,228,070; May 29; v. 238; p. 1508.
- Sherman, Charles W., assignor to Lowes Manufacturing Co., Peoria, Ill. Operating-tool. No. 1,210,857; Jan. 2; v. 234; p. 164.
- Sherman, Clifton W., Buffalo, N. Y. Making car-wheels. No. 1,211,249; Jan. 2; v. 234; p. 301.
- Sherman, Clifton W., Buffalo, N. Y. Side frame for car-trucks. No. 1,214,382; Jan. 30; v. 234; p. 1514.
- Sherman, Clifton W., Buffalo, N. Y. Car-wheel. No. 1,235,067; July 31; v. 240; p. 1285.
- Sherman, Clifton W., Buffalo, N. Y. Friction draft-gear. No. 1,241,156; Sept. 25; v. 242; p. 866.
- Sherman, Clifton W., Buffalo, N. Y. Side frame for car-trucks. No. 1,246,169; Nov. 13; v. 244; p. 336.
- Sherman, Clifton W., Buffalo, N. Y. Side frame for car-trucks. No. 1,247,339; Nov. 20; v. 244; p. 716.
- Sherman, David C., Poultny, Vt. Guard for slate-trimming machines. No. 1,235,068; July 31; v. 240; p. 1286.
- Sherman, Howard B. (See Andrews, Hart, and Sherman.)
- Sherman, Howard B., Battle Creek, Mich. Conduit-hanger. No. 1,245,047; Oct. 30; v. 243; p. 1254.
- Sherman, Howard B., Battle Creek, assignor to Consolidated Press Company, Hastings, Mich. Machine frame and base. No. 1,251,430; Dec. 25; v. 245; p. 997.
- Sherman, J. W., *et al.* (See Kopp, John P., assignor.)
- Sherman, John A., Worcester, Mass. Hook-support. No. 1,216,616; Feb. 20; v. 235; p. 842.
- Sherman, John A. and J. E., Worcester, Mass. Package for paper drinking-cups. No. 1,222,566; Apr. 10; v. 237; p. 581.
- Sherman, John E. (See Sherman, John A. and J. E.)
- Sherman, John E., Worcester, Mass. Drinking-cup. No. 1,222,565; Apr. 10; v. 237; p. 581.
- Sherman, Joseph M., Seattle, Wash. Automatic cut-out. No. 1,221,232; Apr. 3; v. 237; p. 82.

- Sherman, Lora E., Pasadena, Cal. Auto-top. No. 1,245,278; Nov. 6; v. 244; p. 40.
- Sherman, Thomas J., Billings, Mont. Towel-holder. No. 1,227,965; May 29; v. 238; p. 1473.
- Sherman, Murry W., Evart, Mich. Traller-coupling. No. 1,246,666; Nov. 13; v. 244; p. 486.
- Sherman, Ralph L., Des Moines, Iowa. Adjustable strainer for cooking vessels. No. 1,241,448; Sept. 25; v. 242; p. 957.
- Sherman, William H., and J. F. McGinnitey, St. Joseph, Mo. Barrel-head. No. 1,249,217; Dec. 4; v. 245; p. 228.
- Sherman, Willis S., Milwaukee, Wis. Cut-off-saw attachment for end-matchers. No. 1,224,675; May 1; v. 238; p. 199.
- Sherman, Willis S., Milwaukee, Wis. Automatic release for presser-bars. No. 1,224,676; May 1; v. 238; p. 200.
- Sherman, Willis S., Milwaukee, Wis. End-matcher. No. 1,229,800; June 12; v. 239; p. 529.
- Shermund, Conrad, assignor of one-fourth to G. W. Cofield, one-fourth to B. B. Sugarman, and one-fourth to A. J. Sugarman, San Francisco, Cal. Vehicle-signal device. No. 1,223,628; Apr. 24; v. 237; p. 1022.
- Sherrill, Richard W., Landis, N. C. Shade-roller. No. 1,243,561; Oct. 16; v. 243; p. 730.
- Shertz, John, and A. H. Pettigrove, Dewey, Okla. Combined refrigerator and ice-weighing apparatus. No. 1,236,776; Aug. 14; v. 241; p. 436.
- Sherwin, Frank Brookings, S. D. Attachment for planters. No. 1,220,014; Mar. 20; v. 236; p. 805.
- Sherwin, Frank, Brookings, S. D. Attachment for planters. No. 1,235,606; Aug. 7; v. 241; p. 25.
- Sherwin, Frank, Brookings, S. D. Harrow-tooth. No. 1,239,627; Sept. 11; v. 242; p. 317.
- Sherwin, Ralph S., East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Cooling apparatus for alkaline aluminate solutions. No. 1,251,295; Dec. 25; v. 245; p. 958.
- Sherwin, Ralph S., East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Precipitating aluminum hydrate. No. 1,251,296; Dec. 25; v. 245; p. 959.
- Sherwin-Williams Company, The. (See Brown, Robert V., assignor.)
- Sherwin, Williams Company, The. (See Macklind and Holton, assignors.)
- Sherwood, Aaron W., Hoosick Falls, N. Y. Apparatus for laying out tennis-courts. No. 1,240,498; Sept. 18; v. 242; p. 629.
- Sherwood, Albert W., and G. D. Reedy, Buffalo, N. Y. Hose-reel. No. 1,221,099; Apr. 3; v. 237; p. 33.
- Sherwood, Carey, Lowell, Mass. Adjustable shaft-hanger. No. 1,221,233; Apr. 3; v. 237; p. 82.
- Sherwood, Catherine A., Lake Villa, Ill. Hair-crimping device. No. 1,234,942; July 31; v. 240; p. 1247.
- Sherwood, Charles M., Armonk, N. Y. Grease-shield. No. 1,250,035; Dec. 11; v. 245; p. 495.
- Sherwood, Elmer C., New York, N. Y. Register-operating mechanism and seat. No. 1,248,180; Nov. 27; v. 244; p. 990.
- Sherwood, Harley L., Oregon City, Oreg. Concentrator. No. 1,219,048; Mar. 13; v. 236; p. 442.
- Sherwood, Ludlow S., Cicero, assignor to Sears, Roebuck & Company, Chicago, Ill. Bag-holder. No. 1,235,388; July 31; v. 240; p. 1381.
- Sherwood, Mather W., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, Chicago, Ill. Pneumatic tool. No. 1,243,770; Oct. 23; v. 243; p. 831.
- Sherwood, Mather W., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, Chicago, Ill. Pneumatic tool. No. 1,251,121; Dec. 25; v. 245; p. 907.
- Sherwood, Nathan E., Highland Park, assignor to Plymouth Motor Castings Company, Plymouth, Mich. Rope-making machine. No. 1,215,584; Feb. 13; v. 235; p. 422.
- Sherwood, Stephen H. (See Sherwood, Theodore J., assignor.)
- Sherwood, Theodore J., Moon, S. D., assignor of one-half to S. H. Sherwood, Shabbona, Ill. Wire-splicer. No. 1,245,128; Oct. 30; v. 243; p. 1279.
- Sherwood, Walter, and L. Baldwin, Wellsville, N. Y. Core-box for bladed diaphragms of steam-turbines. No. 1,226,604; May 15; v. 238; p. 944.
- Sherwood, William E., Canastota, N. Y. Coaster. No. 1,212,409; Jan. 16; v. 234; p. 765.
- Sherwood, William E., Canastota, N. Y. Coaster. No. 1,224,575; May 1; v. 238; p. 165.
- Sherwood, William I., Upper Montclair, N. J., assignor to Cordley and Hayes, New York, N. Y. Carrier for bottles. No. 1,236,610; Aug. 14; v. 241; p. 379.
- Shestakoff, Peter. (See Tarassoff and Shestakoff.)
- Shetler, John, Dubuque, Iowa. Portable wood-sawing machine. No. 1,246,667; Nov. 13; v. 244; p. 487.
- Shetokin, George, Portland, Oreg. Camping outfit. No. 1,224,098; Apr. 24; v. 237; p. 1183.
- Sheuman, James E., Waynesboro, Pa. Floating reamer and tap holder. No. 1,244,648; Oct. 30; v. 243; p. 1134.
- Shevlin, Charles W., assignor to Climax Container Company, Chicago, Ill. Container. No. 1,216,617; Feb. 20; v. 235; p. 842.
- Shevlin, Charles W., assignor to Climax Container Company, Chicago, Ill. Capping-die. No. 1,218,907; Mar. 13; v. 236; p. 394.
- Shevlin, Charles W., assignor to Climax Container Company, Chicago, Ill. Machine for ironing and finishing paraffined containers. No. 1,224,969; May 8; v. 238; p. 351.
- Shevlin, John J., Corona, N. Y. Grate-bar. No. 1,250,369; Dec. 18; v. 245; p. 634.
- Shew, Egbert A. (See Hoel and Shew.)
- Shew, Grover C., West Brownsville, Pa. Tool. No. 1,215,726; Feb. 13; v. 235; p. 472.
- Shewmake, Charles M., Castlerock, Wash. Car-replacer. No. 1,226,390; May 15; v. 238; p. 877.
- Shideler, Frank. (See Snowden, Austin J. F., assignor.)
- Shiel, Peter W., Albany, N. Y. Brake. No. 1,237,108; Aug. 14; v. 241; p. 542.
- Shields, Alfred, Bloomington, Ind. Floor-planer. No. 1,236,611; Aug. 14; v. 241; p. 379.
- Shields, David, Edgeworth, Pa. Manufacture of fertilizers. No. 1,212,573; Jan. 16; v. 234; p. 824.
- Shields, Frank S., Cleveland, Ohio. Making hobs. No. 1,239,047; Sept. 4; v. 242; p. 104.
- Shields, George A., Columbus, Ohio. Reversible pot. No. 1,226,022; May 15; v. 238; p. 751.
- Shields, Harry A., Grand Rapids, Mich. Adjustable spreader for tubular fabrics. No. 1,215,419; Feb. 13; v. 235; p. 360.
- Shields, Harry A., Grand Rapids, Mich. Automatic table control for fabric-piling machines. No. 1,225,875; May 15; v. 238; p. 700.
- Shields, John F., Garfield, Utah. Lamp-guard clamp. No. 1,238,582; Aug. 28; v. 241; p. 1086.
- Shields, John S. (See Meikle, Daniel G., assignor.)
- Shields, Samuel. (See Rogers, Howard A., assignor.)
- Shiflet, Joseph, McKeesport, Pa. Signal. No. 1,230,810; June 19; v. 239; p. 899.
- Shiflet, Joseph, McKeesport, Pa. Signal. No. 1,245,048; Oct. 30; v. 243; p. 1254.
- Shifley, Isaac J., and G. Wolfgang, Tampa, Fla. Spark or cinder arrester or collector. No. 1,239,730; Sept. 11; v. 242; p. 351.
- Shighley, Cyrus C., Grand Rapids, Mich. Phonograph. No. 1,247,587; Nov. 20; v. 244; p. 787.
- Shigley, John C., Maxbass, N. D. Hen's nest. No. 1,210,550; Jan. 2; v. 234; p. 60.
- Shihara, Hiroo, Seattle, Wash. Fender for vehicles. No. 1,224,422; May 1; v. 238; p. 111.
- Shilling, Benjamin H., Knox, Ind. Silo. No. 1,249,218; Dec. 4; v. 245; p. 228.
- Shilling, Edward C., Columbus, assignor of one-half to J. Dagger, Urbana, Ohio. Safety device for automobiles. No. 1,231,531; June 26; v. 239; p. 1178.
- Shimamoto, Saichi, and T. Inouye, Tokyo, Japan. Pulley. No. 1,233,814; July 17; v. 240; p. 817.
- Shimer, Elmer S., assignor to Samuel J. Shimer & Sons, Milton, Pa. Grooving-knife for cutter-heads. No. 1,247,588; Nov. 20; v. 244; p. 787.
- Shingler, Thomas, Detroit, Mich., assignor to Eastman Machine Company, Buffalo, N. Y. Cloth-cutting machine. No. 1,218,007; Mar. 6; v. 236; p. 41.
- Shinkle, Edward M., United States Army. Hand-grenade. No. 1,242,053; Oct. 2; v. 243; p. 185.
- Shinn, James E., Conway Springs, Kans. Rural-free-delivery mail-box. No. 1,232,616; July 10; v. 240; p. 391.
- Shinn, William C., Lincoln, Nebr. Folding ladder. No. 1,233,717; July 17; v. 240; p. 786.
- Shintani, Otozo. (See Kawate, Hiyozo, assignor.)
- Shiple, Oscar A., Rahway, N. J. Truss. No. 1,211,250; Jan. 2; v. 234; p. 302.
- Shiple, Thomas, York, Pa. Refrigerating or ice-making apparatus. No. 1,226,391; May 15; v. 238; p. 878.
- Shiple, Thomas, York, Pa. Condenser for ice-making and refrigerating machines. No. 1,234,438; July 24; v. 240; p. 1056.
- Shiple, Thomas, York, Pa. Condenser for ice-making and refrigerating machines. No. 1,234,639; July 24; v. 240; p. 1119.
- Shiple, Thomas, York, Pa. Oiling apparatus. No. 1,250,036; Dec. 11; v. 245; p. 495.
- Shiple, Thomas, York, Pa. Supporting and inclosing means for the driving-shafts of ammonia-compressors. No. 1,250,037; Dec. 11; v. 245; p. 495.
- Shipman, Bennet C., San Francisco, Cal. Fluid gear. No. 1,231,954; July 3; v. 240; p. 139.
- Shipman, Charles H., San Francisco, Cal. Automobile signaling device. No. 1,221,772; Apr. 3; v. 237; p. 267.
- Shipman, Evan J., assignor to Sargent & Company, New Haven, Conn. Padlock. No. 1,248,561; Dec. 4; v. 245; p. 40.
- Shipman, Ralph, Sunbury, Pa. Picture-film-rewinding device. No. 1,215,066; Feb. 6; v. 235; p. 205.
- Shipman, Ralph, Sunbury, Pa. Carbureter. No. 1,222,688; Apr. 17; v. 237; p. 665.
- Shipman, Ralph, Sunbury, Pa. Friction-drive. No. 1,235,940; Aug. 7; v. 241; p. 134.
- Shipp, Clarence C., Indianapolis, Ind. Automatic radiator-valve and humidifier. No. 1,212,574; Jan. 16; v. 234; p. 824.
- Shipp, Clarence C., Indianapolis, Ind. Reinforcing-roll for steam-radiator shields. No. 1,218,707; Mar. 13; v. 236; p. 321.
- Shipp, Edward L., Princeton, W. Va. Grease-cup. No. 1,239,311; Sept. 4; v. 242; p. 190.

Alphabetical list of patentees—Continued.

- Shipp, James T., assignor of one-half to M. T. Freeman, Chattanooga, Tenn. Pea-harvesting machine. No. 1,230,822; June 19; v. 239; p. 903.
- Shipp, John L., Hay Springs, Nebr. Spring hair-remover. No. 1,232,617; July 10; v. 240; p. 391.
- Shippee, Henry C. (See Bergeron, Jasmin P., assignor.)
- Shippee, Henry C., Los Angeles, assignor, by mesne assignments, to Anderson-Barngrover Mfg Co., San Jose, Cal. Apparatus for treating packaged goods. No. 1,230,811; June 19; v. 239; p. 899.
- Shirey, Ralph D., Woodland, Pa. Cushion-tire. No. 1,236,490; Aug. 14; v. 241; p. 341.
- Shirley, Henry R., Jr., Geelong West, Victoria, Australia. Means for storing, displaying, and advertising. No. 1,250,038; Dec. 11; v. 245; p. 496.
- Shirley, Oliver, Nowrytown, Pa. Umbrella. No. 1,233,718; July 17; v. 240; p. 786.
- Shirley, Percy D., St. Paul, Minn. Engraving-block. No. 1,242,993; Oct. 16; v. 243; p. 559.
- Shively, James H. (See Kost, Joseph L., assignor.)
- Shoaf, Jacob T., Eureka, Cal. Motor-vehicle-wheel hub. No. 1,215,293; Feb. 6; v. 235; p. 253.
- Shockley, Jiles S., assignor of ten one-hundredths to W. L. Danley and eighty one-hundredths to L. F. Butler, Nashville, Tenn. Rotary pump. No. 1,240,264; Sept. 18; v. 242; p. 556.
- Shockley, Loy L., Columbia, Mo. Door-operator. No. 1,228,143; May 29; v. 238; p. 1531.
- Shoecraft, Judson, Eskridge, Kans. Absolute and permissive block-signaling. No. 1,229,155; June 5; v. 239; p. 262.
- Shoemaker, Daniel N., Cainesville, Mo. Gate-operating device. No. 1,240,096; Sept. 11; v. 242; p. 463.
- Shoemaker, George W., Dalton, Pa. Hydrocarbon-engine. No. 1,245,808; Nov. 6; v. 244; p. 202.
- Shoemaker, Harry, Jersey City, N. J., assignor to Marconi Wireless Telegraph Company of America, New York, N. Y. Method of and apparatus for radiosignaling. No. 1,241,565; Oct. 2; v. 243; p. 32.
- Shoemaker, John F. (See Williamson and Shoemaker.)
- Shoemaker, John F., Des Moines, Iowa. Check. No. 1,225,512; May 8; v. 238; p. 535.
- Shoemaker, John F., Des Moines, Iowa. Check-book. No. 1,230,044; June 12; v. 239; p. 607.
- Shoemaker, John H., and H. Bruck, Portland, Ore. Shoe tap or half-sole. No. 1,239,628; Sept. 11; v. 242; p. 317.
- Shoemaker, Louis H., Pittsburgh, Pa. Operating mechanism for lift-bridges. No. 1,210,715; Jan. 2; v. 234; p. 117.
- Shoemaker, Louis H., Pittsburgh, Pa. Turn-table end truck and tractor. No. 1,246,478; Nov. 13; v. 244; p. 430.
- Shoemaker, Louis H., Pittsburgh, Pa. Turn-table construction. No. 1,246,479; Nov. 13; v. 244; p. 431.
- Shoemaker, Oliver J. (See Smith and Shoemaker.)
- Shoemaker, Richard W., et al. (See Koontz, John A., Jr., assignor.)
- Shoemaker, William, Alliance, Nebr. Nest-trap. No. 1,251,431; Dec. 25; v. 245; p. 997.
- Shoenberg, Milton H., San Francisco, Cal., assignor to Majestic Electric Development Company. Separable supporting and polarity attachment-plug. No. 1,239,731; Sept. 11; v. 242; p. 352.
- Shoenberg, Milton H., San Francisco, Cal., assignor to Majestic Electric Development Company. Faucet and hose attachment clamp. No. 1,239,732; Sept. 11; v. 242; p. 352.
- Shoenberg, Milton H., San Francisco, Cal., assignor to Majestic Electric Development Company. Electric water-heater. No. 1,249,285; Dec. 4; v. 245; p. 248.
- Sholl, William F., Hubbell, Nebr. Combination screw-driver and tweezers. No. 1,250,682; Dec. 18; v. 245; p. 727.
- Shonberg, Isidore I., assignor to Standard Rolling Mills, Inc., Brooklyn, N. Y. Shipping-case for lead pipe. No. 1,243,229; Oct. 16; v. 243; p. 633.
- Shonnard, Harold W., Upper Montclair, N. J., assignor to Crucible Steel Company of America, Pittsburgh, Pa. Separable torpedo construction. No. 1,250,235; Dec. 18; v. 245; p. 594.
- Shook, George W., assignor to G. W. Shook Optical Company, Jacksonville, Fla. Optical instrument. No. 1,236,777; Aug. 14; v. 241; p. 436.
- Shoolbred, Agnes M. (See Kuhn and Shoolbred, assignors.)
- Shoolbred, Harold C. (See Kuhn and Shoolbred.)
- Shope, Frank L., Ramsey, N. J. Flush-tank valve. No. 1,237,109; Aug. 14; v. 241; p. 543.
- Shore, Henry T. (See Middleton and Shore.)
- Shore, William, Montesano, Wash. Vacuum gold-separator. No. 1,211,495; Jan. 9; v. 234; p. 416.
- Shores, George A., assignor to Shores-Mueller Company, Cedar Rapids, Iowa. Hog-oiling device. No. 1,221,484; Apr. 3; v. 237; p. 169.
- Shores-Mueller Company. (See Shores, George A., assignor.)
- Shores, William T., et al. (See Norman, Frank, assignor.)
- Shorey, Napoleon, and F. P. Flynn, Woodland, Me. Suction-box. No. 1,216,861; Feb. 20; v. 235; p. 924.
- Shoring, Harry G., et al. (See McNeill, David, assignor.)
- Shorrock, Arthur, North Adams, Mass. Candle-guard. No. 1,211,251; Jan. 2; v. 234; p. 302.
- Shorrock, Arthur, North Adams, Mass. Mixing-slab. No. 1,218,327; Mar. 6; v. 236; p. 154.
- Short, Charles A., and H. C. Dunning, assignors to Auto Protection Company, Los Angeles, Cal. Permutation-switch. No. 1,233,133; July 10; v. 240; p. 559.
- Short, David L. (See Runge, Walter C., assignor.)
- Short, Frederick S., Springfield, Mo. Reversible driving-chuck. No. 1,211,633; Jan. 9; v. 234; p. 463.
- Short, William I., Neosho, Mo. Fuel-mixing safety throttle-valve. No. 1,244,379; Oct. 23; v. 243; p. 1014.
- Shortwriter Company. (See Edwards, Alrah B., assignor.)
- Shortwriter Company. (See Edwards and Russell, assignors.)
- Shortwriter Company. (See Feiereisel, Frank A., assignor.)
- Shotovsky, Karol, Cleveland, Ohio. Aerocycle. No. 1,220,368; Mar. 27; v. 236; p. 970.
- Shotwell, John J., Winnipeg, Manitoba, Canada. Grain-elevator. No. 1,242,482; Oct. 9; v. 243; p. 362.
- Shotwell, Lillie B. (See Wilson, Goodridge B., assignor.)
- Shoup, George L. (See Duncan and Shoup.)
- Showalter, Jay B., Lomax, Ill. Gate. No. 1,233,719; July 17; v. 240; p. 787.
- Shrader, Arthur T. (See Curl, William B., assignor.)
- Strauger, Darius E., Atlantic, Iowa. Sheet-metal ventilation-window. No. 1,221,612; Apr. 3; v. 237; p. 213.
- Strauger, Darius E., Atlantic, Iowa. Ventilation window-head. No. 1,236,013; Aug. 7; v. 241; p. 159.
- Shreffler, Clarence E., Chicago, Ill. Printing-press attachment. No. 1,237,396; Aug. 21; v. 241; p. 672.
- Shreve, Aaron D., Kearney, Nebr. Holder for disinfectants. No. 1,238,349; Aug. 28; v. 241; p. 1011.
- Shriver, Albert W. (See Shriver, William B. and A. W.)
- Shriver, Harry T., West Orange, N. J. Electrolytic apparatus. No. 1,239,530; Sept. 11; v. 242; p. 286.
- Shriver, William B. and A. W., Ashland, Ohio. Wire-fastening device. No. 1,222,332; Apr. 10; v. 237; p. 498.
- Shrum, William H. V., Columbus, Ohio. Boomerang. No. 1,245,279; Nov. 6; v. 244; p. 41.
- Shubatt, Lovro, Centerville, Iowa. Safety fire-alarm box. No. 1,217,844; Feb. 27; v. 235; p. 1308.
- Shubatt, Lovro, Centerville, Iowa. Stopping device for boats. No. 1,217,845; Feb. 27; v. 235; p. 1309.
- Shudow, Osam, San Francisco, Cal. Aeroplane. No. 1,228,705; June 5; v. 239; p. 113.
- Shuey, Samuel P., Lakemp, Okla. Folding box. No. 1,222,581; Apr. 10; v. 237; p. 586.
- Shuler, Edward A., assignor to The Pullman Company, Chicago, Ill. Welding apparatus. No. 1,238,206; Aug. 28; v. 241; p. 963.
- Shuler, Isaac. (See Hughes, John L., assignor.)
- Shulhof, Otto B., Lawrence, N. Y. Bathing-suit. No. 1,248,562; Dec. 4; v. 245; p. 40.
- Shults, James C., Meadville, Pa., assignor to Russ Automatic Labeling Co. Machine for labeling cans. No. 1,246,668; Nov. 13; v. 244; p. 487.
- Shults, Sherman T., McCammon, Idaho. Automatic tire-inflating device for vehicle-wheels. No. 1,228,610; June 5; v. 239; p. 81.
- Shults, Sherman T., McCammon, Idaho. Wire-stretcher. No. 1,228,611; June 5; v. 239; p. 81.
- Shultz, Albert B., Buffalo, N. Y. Gas-engine body or frame. No. 1,226,820; May 22; v. 238; p. 1058.
- Shultz, Otto H., Windsor, Ontario, assignor of two-tenths to F. M. Bill and two-tenths to R. M. Foster, Edmonton, Alberta, and two-tenths to L. R. Benson, Windsor, Ontario, Canada. Paint composition. No. 1,229,337; June 12; v. 239; p. 374.
- Shumaker, Howard H., Malvern, Ark. Motor-cycle attachment. No. 1,251,297; Dec. 25; v. 245; p. 959.
- Shumaker, John T., Rochester, N. Y. Charge-forming apparatus for internal-combustion engines. No. 1,248,563; Dec. 4; v. 245; p. 40.
- Shuman, Arno, Connellsville, Pa., assignor to The Continuous Glass Press Company. Apparatus for making wire-glass. No. 1,232,107; July 3; v. 240; p. 193.
- Shuman, Frank, Philadelphia, Pa. Steam-engine. No. 1,218,219; Mar. 6; v. 236; p. 115.
- Shuman, Frank, Philadelphia, Pa., and C. V. Boys, Westminster, London, England. Sun-boiler. No. 1,240,890; Sept. 25; v. 242; p. 782.
- Shuman, Jesse J. (See Svenson, John A., assignor.)
- Shumway, Adelina R., et al., executors. (See Ritter, Frank.)
- Shumway, Dora, Ovid, assignor of one-half to O. W. Brown, Romulus, N. Y. Vehicle-wheel. No. 1,249,678; Dec. 11; v. 245; p. 391.
- Shumway, Harry E., Waterford, assignor to Van Zandt, Jacobs & Co., Troy, N. Y. Fold-collar. No. 1,243,452; Oct. 16; v. 243; p. 698.
- Shumway, Harry E., Waterford, assignor to Van Zandt, Jacobs & Co., Troy, N. Y. Soft fold-collar. No. 1,250,524; Dec. 18; v. 245; p. 680.
- Shupe, E. R., et al., trustees. (See Von Vargyas, Eugene, assignor.)
- Shuping, Will, et al. (See Speegle, William A., assignor.)
- Shur, Edward J., New Orleans, La. Refrigerator-car. No. 1,211,496; Jan. 9; v. 234; p. 416.
- Shur, Edward J., New Orleans, La. Door-fastening means. No. 1,243,115; Oct. 16; v. 243; p. 598.
- Shur, Edward J., New Orleans, La. Ventilator. No. 1,249,840; Dec. 11; v. 245; p. 440.

- Shur, Edward J., New Orleans, La. Bulkhead construction for cars. No. 1,250,370; Dec. 18; v. 245; p. 634.
- Shure, Ralph D., Clarendon, Tex. Clock-actuated display apparatus. No. 1,247,589; Nov. 20; v. 244; p. 788.
- Shurloc Elevator Safety Company. (See Dunford, William T., assignor.)
- Shurnuff Manufacturing Company. (See Dean, Clark A., assignor.)
- Shurtleff, Wilfred, Moline, Ill. Fluid-flow control. No. 1,241,038; Sept. 25; v. 242; p. 829.
- Shurtleff, Wilfred, Moline, Ill. Vacuum fuel-feeding system for gas-engines. No. 1,241,039; Sept. 25; v. 242; p. 829.
- Shurtleff, Wilfred, Moline, Ill. Fuel-feeding mechanism. No. 1,243,990; Oct. 23; v. 243; p. 898.
- Shurtleff, Wilfred, Moline, Ill. Fuel-feeding device. No. 1,244,553; Oct. 30; v. 243; p. 1106.
- Shuster, Elmore F., New Haven, Conn. Riveting-machine. No. 1,246,170; Nov. 13; v. 244; p. 386.
- Shuster, William H., Jr., and A. L. Grammer, Philadelphia, Pa. Work and time indicator. No. 1,242,483; Oct. 9; v. 243; p. 362.
- Shute, Alonzo R. (See Baldwin and Shute.)
- Shutt, Edward W., Pueblo, Colo., assignor to American Clay Products Company, St. Louis, Mo. Combined receiving, discharging, and conveying device. No. 1,218,908; Mar. 13; v. 236; p. 395.
- Shutt, Merle B., Albuquerque, N. Mex. Lubricator-filler for steam-engines. No. 1,217,846; Feb. 27; v. 235; p. 1309.
- Shuttleworth, Harry, assignor of one-half to Farley & Selby, Flint, Mich. Harvesting-machine. No. 1,233,134; July 10; v. 240; p. 560.
- Shuttleworth, John. (See Parker and Shuttleworth.)
- Shying, Paul, Berkeley, Cal. Fire-fail. No. 1,238,583; Aug. 28; v. 241; p. 1087.
- Sibbald, Charles J., Troy, assignor, by mesne assignments, to Frederick Osann Company, New York, N. Y. Sewing-machine. No. 1,242,875; Oct. 9; v. 243; p. 488.
- Sibbald, William H. (See Nesmith, Ralph A., assignor.)
- Sibbald, William H. (See Nesmith and Sibbald.)
- Sibbald, William H., Los Angeles, Cal. Collapsible extension-stand. No. 1,236,612; Aug. 14; v. 241; p. 380.
- Sibley, Harry J. (See Ohmer and Sibley.)
- Sibley, Harry J., assignor to Ohmer Fare Register Company, Dayton, Ohio. Fare-indicator-selecting mechanism. No. 1,210,858; Jan. 2; v. 234; p. 164.
- Sibley, Harry J., assignor to Ohmer Fare Register Company, Dayton, Ohio. Operating mechanism for fare-registers. No. 1,210,859; Jan. 2; v. 234; p. 164.
- Sibson, Horace E. (See Gamble and Sibson.)
- Sibson & Stern. (See Branson, Thomas, assignor.)
- Sibson, Walter W. (See Allsop and Sibson.)
- Sibson, Walter W., and T. Allsop, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Process and apparatus for drying and conditioning materials. No. 1,213,549; Jan. 23; v. 234; p. 1198.
- Sickafoose, Benjamin H. (See Miller, Sickafoose, and Smith.)
- Sickels, Harry P., assignor to In. Vu Co. Inc., Rochester, N. Y. Mail-box. No. 1,239,733; Sept. 11; v. 242; p. 352.
- Sickles, Amada E., Coyle, Okla. Electric pencil. No. 1,216,862; Feb. 20; v. 235; p. 924.
- Sickman, Davy V., Denver, Colo. Telescoping-piston hydraulic cartridge of reaction type. No. 1,225,062; May 8; v. 238; p. 383.
- Sickman, Davy V., Denver, Colo. Hydraulic cartridge. No. 1,243,991; Oct. 23; v. 243; p. 898.
- Sickles, Frank W., assignor of one-half to T. E. Daly, Springfield, Mass. Attachment for lathes, &c. No. 1,234,225; July 24; v. 240; p. 985.
- Sidbury, Edna J., New York, N. Y. Hot-water heater. No. 1,249,219; Dec. 4; v. 245; p. 229.
- Siddeley, Ernest J. (See Stone and Siddeley.)
- Siddens, Edgar C., Shattuck, Okla. Kitchen-indicator. No. 1,220,696; Mar. 27; v. 236; p. 1084.
- Sidders, Alfred N., Maywood, Ill. Rail-joint. No. 1,236,771; Aug. 14; v. 241; p. 434.
- Sidebotham, Melvin H. (See La Bombard and Sidebotham.)
- Sidebottom, John W., assignor to T. C. Entwistle Company, Lowell, Mass. Warming-machine stop-motion. No. 1,236,218; Aug. 7; v. 241; p. 223.
- Sidell, Philip S., near Holmesville, Ohio. Rolling colter and jointer attachment for plows. No. 1,250,371; Dec. 18; v. 245; p. 634.
- Sidio Company of America. (See Trautmann, Otto C., assignor.)
- Sidwell, Benjamin W., Jr., assignor to The Beaver Company, Buffalo, N. Y. Wall-board. No. 1,248,181; Nov. 27; v. 244; p. 991.
- Siebenhauer, Lester, assignor to Drendell Electrical and Manufacturing Company, San Francisco, Cal. Safety device for electrical systems. No. 1,224,330; May 1; v. 238; p. 78.
- Siebenhauer, Lester, assignor to Drendell Electrical and Manufacturing Company, San Francisco, Cal. Safety means for switch-boxes. No. 1,228,839; June 5; v. 239; p. 159.
- Siebenmann, Theodore P., Greensboro, N. C. Paper file and binder. No. 1,223,003; Apr. 17; v. 237; p. 772.
- Sieber, Ferdinand, Vado Ligure, Italy, assignor to Westinghouse Electric and Manufacturing Company. Transformer. No. 1,224,225; May 1; v. 238; p. 39.
- Sieber, Ferdinand, Charlottenburg, Germany, assignor to General Electric Company. Excess-voltage absorber. No. 1,242,729; Oct. 9; v. 243; p. 441.
- Sieber, Ferdinand, Charlottenburg, Germany, assignor to General Electric Company. Electrical apparatus. No. 1,246,171; Nov. 13; v. 244; p. 337.
- Sieber, Gottwalt, assignor to Vogtländische Maschinen-Fabrik, Plauen, Germany. Tambour-frame. No. 1,211,970; Jan. 9; v. 234; p. 585.
- Sieber, Gottwalt, assignor to Vogtländische Maschinen-fabrik, Plauen, Germany. Embroidering-machine. No. 1,214,599; Feb. 6; v. 235; p. 41.
- Siebert, George C., Chicago, Ill. Metallic piston-ring. No. 1,223,296; Apr. 17; v. 237; p. 870.
- Siebert, Otto. (See Clausius, Schöner, and Siebert.)
- Siebert, William, Chicago, Ill. Panel structure. No. 1,223,431; Apr. 24; v. 237; p. 950.
- Siefken, George R., New York, N. Y. Weather-strip for windows. No. 1,245,393; Nov. 6; v. 244; p. 75.
- Siefken, Gustavus A., Minneapolis, Minn. Brooch-fastening device. No. 1,242,054; Oct. 2; v. 243; p. 186.
- Siegel, Bernath J., assignor to E. Hacker, New York, N. Y. Extension-table. No. 1,248,182; Nov. 27; v. 244; p. 991.
- Siegel, Frederick, Irvington, N. J., assignor to Auto Radiator Company, Producing radiators for automobiles. No. 1,242,253; Oct. 9; v. 243; p. 289.
- Siegel, Harry, Elizabethport, assignor of one-half to L. Chasman, Newark, N. J. Attachment for moving-picture machines. No. 1,242,730; Oct. 9; v. 243; p. 442.
- Siegel, Louis R., Cleveland, Ohio. Dental-crown remover. No. 1,245,992; Nov. 6; v. 244; p. 253.
- Siegel, Myer, assignor of one-half to S. Salomon, New York, N. Y. Cloth-cutting mechanism. No. 1,235,847; Aug. 7; v. 241; p. 104.
- Siegfried, Robert, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Thrust-bearing. No. 1,215,314; Feb. 6; v. 235; p. 290.
- Siegmund, William G. F., assignor to M. V. Gaul, Baltimore, Md. Magnesium cement. No. 1,212,575; Jan. 16; v. 234; p. 824.
- Siegrist, Henry A. (See Dudley and Siegrist.)
- Siemann, Henry M., Fort Lupton, Colo. Plant blocking or spacing machine. No. 1,211,971; Jan. 9; v. 234; p. 585.
- Siemen, Otto, Nonnendamm, near Berlin, assignor to Siemens-Schuckertwerke, G. m. b. H., Berlin, Germany. Rotary pump. No. 1,215,881; Feb. 13; v. 235; p. 528.
- Siemens & Co., Gebrüder. (See Egly, Georg, assignor.)
- Siemens & Halske, A. G. (See Grabe, Georg, assignor.)
- Siemens & Halske, A. G. (See Kaminski and Schneider, assignors.)
- Siemens & Halske, A. G. (See Ochs, Karl, assignor.)
- Siemens-Schuckertwerke G. m. b. H. (See Blanc, Ferdinand, assignor.)
- Siemens-Schuckert Werke, G. m. b. H. (See Fahrmbacher, Alois, assignor.)
- Siemens-Schuckertwerke, G. m. b. H. (See Gscheidlen, Wilhelm, assignor.)
- Siemens-Schuckertwerke G. m. b. H. (See Oelschläger, Ernst, assignor.)
- Siemens-Schuckertwerke, G. m. b. H. (See Siemen, Otto, assignor.)
- Siemens Schuckert Werke, Gesellschaft mit beschränkter Haftung. (See Singer, Konrad R., assignor.)
- Siemund Wenzel Electric Welding Company, The. (See Reid, James H., assignor.)
- Siennknecht, Frederick J. (See Quincey, Siennknecht, and Donahoo.)
- Siert, Alvin H., et al. (See Siert, John H., assignor.)
- Siert, John H., assignor of one-fifth to A. H. Siert, Benson, and one-fifth to H. L. Jacobson, Omaha, Nebr. Laundry-machine. No. 1,220,697; Mar. 27; v. 236; p. 1084.
- Siert, Paul K., Blair, Nebr. Chicken-brooder and grain-sprouter. No. 1,225,063; May 8; v. 238; p. 383.
- Sietsema, Remmer H., Little Rock, Iowa. Holder. No. 1,225,064; May 8; v. 238; p. 383.
- Sieurin, George, Shrewsbury, Mass. Clutch. No. 1,222,897; Apr. 17; v. 237; p. 736.
- Siever, Charles M., Holton, Kans. Mucilage-bottle. No. 1,226,821; May 22; v. 238; p. 1058.
- Sievers, Frederick W., Brooklyn, N. Y. Life-boat holding and launching device. No. 1,248,183; Nov. 27; v. 244; p. 991.
- Sicvert, Hermann A., Los Angeles, Cal. Snap-hook or the like. No. 1,236,014; Aug. 7; v. 241; p. 160.
- Sifton, Winfield B., Westminster, London, England. Production of toluene. No. 1,216,174; Feb. 13; v. 235; p. 634.
- Sigafoos, Clark A., Omaha, Nebr. Flying target. No. 1,227,966; May 29; v. 238; p. 1474.
- Sigafoos, Clark A., Omaha, Nebr. Stacker for folding-machines. No. 1,238,207; Aug. 28; v. 241; p. 963.
- Sigler, Oscar J. (See Walter, Butterworth, and Sigler.)
- Signal Gesellschaft m. b. H. (See Hahnemann, Walter, assignor.)
- Signal Motor Truck Company. (See Squires, John, assignor.)
- Signature Company. (See Crompton, Frank E., assignor.)

Alphabetical list of patentees—Continued.

- Signor, Hannah A., Schenectady, N. Y. Strainer. No. 1,239,975; Sept. 11; v. 242; p. 428.
- Sigurd, Carl G., San Jose, Cal. Weed-cutter. No. 1,214,383; Jan. 30; v. 234; p. 1514.
- Silberman, Philip P., Chicago, Ill. Faucet attachment or fixture. No. 1,217,512; Feb. 27; v. 235; p. 1195.
- Silen, Erick, Mayger, Oreg. Violin-piano. No. 1,238,835; Sept. 4; v. 242; p. 37.
- Siler, Earnest E., assignor to The Universal Drying Machine Company, Chicago, Ill. Drying apparatus. No. 1,213,962; Jan. 30; v. 234; p. 1368.
- Siliconite Refractories Company. (See Zell, Robert R., assignor.)
- Silk, Thomas, Portsmouth, Ohio. Sheet-metal barrel. No. 1,225,876; May 15; v. 238; p. 701.
- Sill, Richard V., assignor of one-third to A. E. Pelham, and one-third to G. L. McGill, New York, N. Y. Controlling induction-motor. No. 1,245,993; Nov. 6; v. 244; p. 253.
- Sill Stove Works. (See Becker and Dukelow, assignors.)
- Sill Stove Works. (See Will, Frederick, assignor.)
- Sill, William F., and J. M. Feldhaus, St. Louis, Mo. Motor-oscillated crib. No. 1,231,078; June 26; v. 239; p. 1030.
- Silliman, Charles H. (See Best, William N., assignor.)
- Sils, Laura E., St. Paul, Minn. Lamp-director. No. 1,210,990; Jan. 2; v. 234; p. 212.
- Silsbee, James A., Elmira, N. Y. Automatic air-valve for engine intake-manifolds. No. 1,210,991; Jan. 2; v. 234; p. 212.
- Silsbee, Joseph L. (See Jones, Grover, and Silsbee.)
- Silva, Guy H., San Diego, Cal. Ignition system for internal-combustion engines. No. 1,230,077; June 12; v. 239; p. 618.
- Silver Crown Disk Company. (See Koch, Reinhold G., assignor.)
- Silver, Israel, assignor of one-half to I. Malis, New York, N. Y. Radiator for automobiles. No. 1,229,156; June 5; v. 239; p. 262.
- Silverman, Herman. (See Bach and Silverman.)
- Silverman, Joseph, Chicago, Ill. Auxiliary seat for barber-chairs. No. 1,247,161; Nov. 20; v. 244; p. 667.
- Silverman, Morris, assignor to L. A. Williams, Chicago, Ill. Skylight construction. No. 1,219,177; Mar. 13; v. 236; p. 485.
- Silverstein, Morris L., Methuen, Mass. Knob bolt-lock. No. 1,245,049; Oct. 30; v. 243; p. 1255.
- Silverstone, Mark, assignor to The Clicket Company, New York, N. Y. Stamping device. No. 1,248,184; Nov. 27; v. 244; p. 991.
- Silverthorne, William E., New York, N. Y. Pour-out. No. 1,214,600; Feb. 6; v. 235; p. 41.
- Silvestri, Giulio, Vienna, Austria. Apparatus for driving rotary engines. No. 1,227,967; May 29; v. 238; p. 1474.
- Silvestri, Giulio, Vienna, Austria. Rotary engine. No. 1,227,968; May 29; v. 238; p. 1474.
- Silvis, Sankey S., Portland, assignor to E. and C. Larkin, Blind Slough, Oreg. Undercutter-guide. No. 1,231,211; June 26; v. 239; p. 1075.
- Silvius, Ellis T., Indianapolis, assignor to T. S. Gettle, Greenfield, Ind. Removable cheese-cutter cover. No. 1,210,551; Jan. 2; v. 234; p. 60.
- Silvius, Ellis T., Indianapolis, assignor to T. S. Gettle, Greenfield, Ind. Computing cheese-cutter. No. 1,210,552; Jan. 2; v. 234; p. 60.
- Silvius, Ellis T., Indianapolis, Ind., assignor, by mesne assignments, to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,218,484; Mar. 6; v. 236; p. 205.
- Silvius, Ellis T., Indianapolis, Ind., assignor, by mesne assignments, to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,231,798; July 3; v. 240; p. 88.
- Silvius, Ellis T., Indianapolis, Ind., assignor, by mesne assignments, to The McCaskey Register Company, Alliance, Ohio. Credit-account register. No. 1,238,208; Aug. 28; v. 241; p. 964.
- Silvius, Ellis T., Indianapolis, Ind., assignor, by mesne assignments, to The McCaskey Register Company, Alliance, Ohio. Filing appliance. No. 1,244,906; Oct. 30; v. 243; p. 1213.
- Silz, Max A., and A. Platzer, Cleveland, Ohio. Pattern appliance. No. 1,225,187; May 8; v. 238; p. 425.
- Simcoe, Roy S., Cortland, N. Y. Device for expanding pistons. No. 1,249,679; Dec. 11; v. 245; p. 392.
- Simmen Automatic Railway Signal Company, The. (See Ringer, Luther, assignor.)
- Simmen, Paul J., Indianapolis, Ind. Railway signal system. No. 1,239,048; Sept. 4; v. 242; p. 105.
- Simmen, Paul J., Indianapolis, Ind. Railway signal system. No. 1,239,049; Sept. 4; v. 242; p. 105.
- Simmen, Paul J., Indianapolis, Ind. Track-hazard indicator. No. 1,241,776; Oct. 2; v. 243; p. 98.
- Simmers, John O., Purcell, Mo. Vehicle-seat. No. 1,234,402; July 24; v. 240; p. 1044.
- Simmins, Charles, Philadelphia, Pa. Jacquard mechanism. No. 1,225,065; May 8; v. 238; p. 384.
- Simmon, Karl A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Switching apparatus. No. 1,217,513; Feb. 27; v. 235; p. 1195.
- Simmon, Karl A., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control apparatus. No. 1,217,514; Feb. 27; v. 235; p. 1195.
- Simmon, Karl A., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,222,479; Apr. 10; v. 237; p. 550.
- Simmon, Karl A., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of distribution and control for electric railways. No. 1,226,126; May 15; v. 238; p. 786.
- Simmon, Karl A., and A. J. Hall, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control system. No. 1,231,653; July 3; v. 240; p. 40.
- Simmon, Karl A., and A. J. Hall, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control system. No. 1,232,863; July 10; v. 240; p. 473.
- Simmon, Karl A., and A. J. Hall, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control system. No. 1,233,411; July 17; v. 240; p. 686.
- Simmon, Karl A., and A. J. Hall, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control system. No. 1,233,412; July 17; v. 240; p. 687.
- Simmon, Karl A., Edgewood Park, and A. J. Hall, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control system. No. 1,236,778; Aug. 14; v. 241; p. 436.
- Simmon, Karl A., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Braking system. No. 1,236,779; Aug. 14; v. 241; p. 437.
- Simmon, Karl A., Edgewood Park, and A. J. Hall, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control system. No. 1,236,780; Aug. 14; v. 241; p. 437.
- Simmon, Karl A., and A. J. Hall, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control system. No. 1,241,566; Oct. 2; v. 243; p. 32.
- Simmon, Karl A., and A. J. Hall, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control system. No. 1,241,567; Oct. 2; v. 243; p. 32.
- Simmon, Karl A., and A. J. Hall, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control system. No. 1,241,568; Oct. 2; v. 243; p. 33.
- Simmon, Karl A., Edgewood Park, and J. D. Birrell, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control system. No. 1,241,569; Oct. 2; v. 243; p. 33.
- Simmon, Karl A., Edgewood Park, and A. H. Candee, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Control system. No. 1,246,480; Nov. 13; v. 244; p. 431.
- Simmon, Karl A., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Insulator. No. 1,246,481; Nov. 13; v. 244; p. 432.
- Simmons, Albert H., assignor of one-third to P. B. Asch, Chicago, Ill. Attachment for electric-lamp-socket keys. No. 1,225,279; May 8; v. 238; p. 455.
- Simmons, Bert J. (See Bauman and Simmons.)
- Simmons, Byron L., Walla Walla, Wash. Fruit-ladder. No. 1,222,150; Apr. 10; v. 237; p. 433.
- Simmons, Charles A., Albany, N. Y. Journal-lubricator. No. 1,213,428; Jan. 23; v. 234; p. 1156.
- Simmons, Charles E., assignor to The New Departure Manufacturing Company, Bristol, Conn. Work-holder. No. 1,235,941; Aug. 7; v. 241; p. 135.
- Simmons, George B., assignor to American Mining Tool Company, Ottumwa, Iowa. Support for drills. No. 1,223,432; Apr. 24; v. 237; p. 951.
- Simmons, George F., Ames, Iowa. Concrete-block-making machine. No. 1,245,994; Nov. 6; v. 244; p. 253.
- Simmons Hardware Company. (See Bader and Wassell, assignors.)
- Simmons, J. T. (See Smith, Millard E., assignor.)
- Simmons, James F., Parkersburg, W. Va. Hose-coupling. No. 1,234,812; July 31; v. 240; p. 1205.
- Simmons, James L., Baltimore, Md. Window-cleaner. No. 1,232,400; July 3; v. 240; p. 286.
- Simmons, Jesse W., Nevada, Tex. Material-transporting appliance. No. 1,220,017; Mar. 20; v. 236; p. 806.
- Simmons, Manley H., Chicago, Ill. Sign-holder. No. 1,219,596; Mar. 20; v. 236; p. 661.
- Simmons Manufacturing Company, The. (See Brown, Harvey E., assignor.)
- Simmons Manufacturing Company, The. (See Burns, John, assignor.)
- Simmons Manufacturing Company, The. (See Kusterlee, Frank, assignor.)
- Simmons Manufacturing Company, The. (See Travis and Gamble, assignors.)
- Simmons, Oliver G., Detroit, Mich. Formed milling-cutter. No. 1,221,613; Apr. 3; v. 237; p. 214.
- Simmons, Oliver G., Rochester, N. Y. Hobbing-cutter. No. 1,241,040; Sept. 25; v. 242; p. 829.
- Simmons, Oliver G., Rochester, N. Y. Hob for cutting involute gears. No. 1,241,291; Sept. 25; v. 242; p. 911.

- Simmons, Ralph C., Beverly, Mass. Pencil-sharpening device. No. 1,248,733; Dec. 4; v. 245; p. 91.
- Simmons, Walter B. (See Staley and Simmons.)
- Simmons, William D. (See Jarrell, Thomas M., assignor.)
- Simmons, William H. (See Meyer, Alfred F., assignor.)
- Simmons, William H., Annandale, N. Y. Flow-pipe holder for fountain-syringes. No. 1,216,739; Feb. 20; v. 235; p. 883.
- Simms Magneto Company, The. (See Hoyt, Francis R., assignor.)
- Simms Magneto Company, The. (See Huff, Edward S., assignor.)
- Simms, William, Elgin, Ill. Multiple table. No. 1,227,681; May 29; v. 238; p. 1375.
- Simon, Albert R. (See Schwartzmann and Simon.)
- Simon, Arthur, assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Variable-voltage transformer. No. 1,227,844; May 29; v. 238; p. 1431.
- Simon, Arthur, assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,241,157; Sept. 25; v. 242; p. 866.
- Simon, Arthur, assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Circuit-controller. No. 1,245,627; Nov. 6; v. 244; p. 147.
- Simon, Bühler & Baumann. (See Baumann, Samuel, assignor.)
- Simon, Charles W. (See Wonner and Simon.)
- Simon, Claudius, Casco, Wis. Street-sweeper. No. 1,243,562; Oct. 16; v. 243; p. 731.
- Simon, Frederick R. (See Simon, Richard, W. G., and F. R.)
- Simon, George. (See Bartholomew and Simon.)
- Simon, George A., Boston, Mass. Umbrella. No. 1,217,515; Feb. 27; v. 235; p. 1196.
- Simon, John M., New York, N. Y. Figure toy. No. 1,210,992; Jan. 2; v. 234; p. 213.
- Simon, Otto E., Menno, S. D. Adjustable socket-wrench. No. 1,248,025; Nov. 27; v. 244; p. 946.
- Simon, Richard, W. G., and F. R., Basford, England. Construction of drying-machines with rotary heating devices. No. 1,237,110; Aug. 14; v. 241; p. 543.
- Simon, William G. (See Simon, Richard, W. G., and F. R.)
- Simon Zinn Inc. (See Quigan, Frank J., assignor.)
- Simonecelli, Anselmo, Butte, Mont. Self-leveling table. No. 1,248,734; Dec. 4; v. 245; p. 91.
- Simonds, Almor O., St. Louis, Mo. Crochet-thread holder. No. 1,216,863; Feb. 20; v. 235; p. 924.
- Simonds, Charles G., Milwaukee, Wis., and G. W. Doerr, Chicago, Ill. Corner-fastener. No. 1,215,882; Feb. 13; v. 235; p. 528.
- Simonds, Charles G., and G. W. Doerr, Milwaukee, Wis. Temperature-responsive device. No. 1,231,439; June 26; v. 239; p. 1151.
- Simonds, Ernest H. (See Rosenstein and Simonds.)
- Simonds, Herbert R., Dayton, Ohio. Apparatus and process for baking emery-wheels and the like. No. 1,215,067; Feb. 6; v. 235; p. 206.
- Simonds Manufacturing Company. (See Carlson, Theodore T., assignor.)
- Simonds, Samuel W., et al. (See McManama, John W., assignor.)
- Simonds, Samuel W., Boston, Mass. Fire-box. No. 1,215,068; Feb. 6; v. 235; p. 206.
- Simonds Manufacturing Company. (See De Avila and Remington, assignors.)
- Simone, Frank, New York, N. Y. Fire-extinguisher. No. 1,242,254; Oct. 9; v. 243; p. 289.
- Simoneaux, Clement, Bellerose, assignor of one-half to J. W. Newchurch, New Orleans, La. Three-wheeled cultivator. No. 1,229,157; June 5; v. 239; p. 262.
- Simoneaux, Edward N., assignor of one-half to J. Vick-nair, New Orleans, La. Paper bag. No. 1,221,614; Apr. 3; v. 237; p. 214.
- Simons, Ernst, Cassel, Germany. Preparing tubers for manufacture of dough or flour for bread and bakers' wares. No. 1,225,877; May 15; v. 238; p. 701.
- Simons, Ernst, Cassel, Germany. Preparing legumes for the manufacture of dough or flour for bread and bakers' wares. No. 1,225,878; May 15; v. 238; p. 701.
- Simons, George E., Seattle, Wash. Device for applying polishing materials. No. 1,235,252; July 31; v. 240; p. 1341.
- Simons, Morris. (See Meyers and Simons.)
- Simons, Theodore J., Haskins, Iowa. Sliding hay-door. No. 1,223,528; Apr. 24; v. 237; p. 986.
- Simonson, Edward, Buffalo, N. Y. Securing means for the outer ends of pulp-rolls. No. 1,239,976; Sept. 11; v. 242; p. 429.
- Simonsson, Wilhelm, Brooklyn, N. Y. Retarding device. No. 1,230,932; June 26; v. 239; p. 979.
- Simonton, Court, and G. W. Maphet, Cincinnati, Ohio. Vehicle-wheel. No. 1,244,554; Oct. 30; v. 243; p. 1107.
- Simplex Air Brake and Manufacturing Co. (See O'Neil, Hugh, assignor.)
- Simplex Automobile Company. (See Crane and Zimmer, assignors.)
- Simplex Concrete Piling Company, The. (See Stewart, John, assignor.)
- Simplex Electric Heating Company. (See Hewitt, Frank W., assignor.)
- Simplex Electric Heating Company. (See Ovington, Edward J., assignor.)
- Simplex Lithograph Company. (See Stenz, Bernard F., assignor.)
- Simplex Machine Tool Company, The. (See Gibson, Charles D., assignor.)
- Simplex Player Action Company. (See Brown, Theodore P., assignor.)
- Simplex Protective Stopper Co., The. (See Gruver, Joseph H., assignor.)
- Simplex Refining Company. (See Thompson, Nelson W., assignor.)
- Simplex Refining Company. (See Trumble, Milton J., assignor.)
- Simplex Spreader Manufacturing Company. (See Bishoff, George A., assignor.)
- Simplex Wire & Cable Co. (See Boggs, Charles R., assignor.)
- Simpson, Albert L., San Diego, Cal. Necktie-former. No. 1,227,329; May 22; v. 238; p. 1229.
- Simpson, Alexander B., Jersey City, N. J. Connector for electric wires. No. 1,241,158; Sept. 25; v. 242; p. 866.
- Simpson, Alfred W., Upper Montclair, N. J. Concealed operating mechanism for casement-windows. No. 1,249,220; Dec. 4; v. 245; p. 229.
- Simpson, Alma V., Granada, Colo. Mail-bag receiver. No. 1,228,840; June 5; v. 239; p. 160.
- Simpson, Bert E., Chassell, Mich. Lumber-stamping machine. No. 1,225,513; May 8; v. 238; p. 535.
- Simpson, Charles A., Monticello, Fla., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. No. 1,235,848; Aug. 7; v. 241; p. 104.
- Simpson, Charles E. (See Carlisle, Howard, assignor.)
- Simpson, Charles H., Louisville, Ky. Automatic gate-opener. No. 1,216,740; Feb. 20; v. 235; p. 883.
- Simpson, Charles H., Laurel, Nebr. Harvester attachment. No. 1,228,841; June 5; v. 239; p. 160.
- Simpson, Charles K., Philadelphia, Pa. Rotary motor and pump. No. 1,249,527; Dec. 11; v. 245; p. 348.
- Simpson, Edmund, New York, N. Y., assignor of one-half to W. W. Duncan, Ridgewood, N. J. Signal device for automobiles. No. 1,215,209; Feb. 6; v. 235; p. 253.
- Simpson, Edward E., Oakland, Iowa. Curtain-stretcher. No. 1,245,280; Nov. 6; v. 244; p. 41.
- Simpson, Emory G., assignor to Fisher Body Corporation, Detroit, Mich. Pillar hardware. No. 1,246,482; Nov. 13; v. 244; p. 432.
- Simpson, Fitzroy K., Kansas City, Mo. Speed-transmission mechanism. No. 1,226,392; May 15; v. 238; p. 878.
- Simpson, Frank, La Jolla, Cal. Voting-machine. No. 1,219,874; Mar. 20; v. 236; p. 758.
- Simpson, Fred, Lone Grove, Okla. Plow. No. 1,222,898; Apr. 17; v. 237; p. 736.
- Simpson, Frederick G., Seattle, Wash. Micromagnetic detector. No. 1,211,770; Jan. 9; v. 234; p. 510.
- Simpson, Frederick G., Seattle, Wash. Transmitting apparatus for wireless-telegraph station. No. 1,217,516; Feb. 27; v. 235; p. 1196.
- Simpson, Frederick G., Seattle, Wash. Radiotelegraph and telephone system. No. 1,217,517; Feb. 27; v. 235; p. 1196.
- Simpson, Frederick G., Seattle, Wash. Transmitting apparatus for wireless-telegraph stations. No. 1,222,567; Apr. 10; v. 237; p. 581.
- Simpson, Frederick G., Seattle, Wash. Wireless telegraphy. No. 1,239,831; Sept. 11; v. 242; p. 384.
- Simpson, Frost V., assignor to Kleckhefer Box Company, Milwaukee, Wis. Press. No. 1,216,175; Feb. 13; v. 235; p. 634.
- Simpson, Frost V., assignor to Kleckhefer Box Company, Milwaukee, Wis. Platen connection. No. 1,228,978; June 5; v. 239; p. 203.
- Simpson, J. E. (See Petty, Frances M., assignor.)
- Simpson, James E., and C. J. Paulson, Brooklyn, assignors, by mesne assignments, to Todd Protectograph Company, Rochester, N. Y. Check-protector. No. 1,240,891; Sept. 25; v. 242; p. 783.
- Simpson, James E., and C. J. Paulson, Brooklyn, assignors to Todd Protectograph Company, Rochester, N. Y. Attachment for check-writing machines. No. 1,241,570; Oct. 2; v. 243; p. 34.
- Simpson, James E., Brooklyn, N. Y. Line-producing pen. No. 1,225,067; May 8; v. 238; p. 384.
- Simpson, James E., Brooklyn, N. Y. Line-forming device for type-writing machines. No. 1,225,369; May 8; v. 238; p. 488.
- Simpson, James L., Waterloo, Iowa. Rail-joint. No. 1,219,555; Mar. 13; v. 236; p. 546.
- Simpson, John C. and L. F., assignors to Portland Safety Signal Company, Portland, Oreg. Automobile-signal. No. 1,248,937; Dec. 4; v. 245; p. 149.
- Simpson, John R., Troy, Ohio. Audible signaling device. No. 1,220,280; Mar. 27; v. 236; p. 938.
- Simpson, John S., Ingomar, Miss. Crosstree for telegraph-poles. No. 1,215,883; Feb. 13; v. 235; p. 529.
- Simpson, John T., Newark, N. J. Flying-machine. No. 1,214,835; Feb. 6; v. 235; p. 121.
- Simpson, John T., Newark, N. J. Flying-machine. No. 1,230,526; June 19; v. 239; p. 805.
- Simpson, John T., Newark, N. J. Game apparatus. No. 1,247,733; Nov. 27; v. 244; p. 864.
- Simpson, Leslie H. (See George, Edmund G., assignor.)

Alphabetical list of patentees—Continued.

- Simpson, Louis, Fort Worth, Tex. Freight gang-plank. No. 1,232,437; July 3; v. 240; p. 297.
- Simpson, Louis F. (See Simpson, John C. and L. F.)
- Simpson, Louis F. and J. C., Portland, Oreg., assignors to The National Automobile Signal Company. Automobile signaling device. No. 1,243,938; Dec. 4; v. 245; p. 149.
- Simpson, Lowe E., assignor of one-half to O. Simpson, Cincinnati, Ohio. Gas-engine. No. 1,231,799; July 3; v. 240; p. 89.
- Simpson, Orville. (See Simpson, Lowe E., assignor.)
- Simpson, Rufus A., Oakland, Cal. Butter-cutter. No. 1,236,219; Aug. 7; v. 241; p. 223.
- Simpson & Sons, William. (See Anthony, Wendell P., assignor.)
- Simpson, Walter P., Buffalo, N. Y. Ventilator. No. 1,233,517; July 17; v. 240; p. 722.
- Simpson, William C., Jr., and J. P. Barbour, Livingston, Mont. Shock-absorber for pneumatic tools. No. 1,221,615; Apr. 3; v. 237; p. 214.
- Simpson, William D., Abbeville, S. C. Nozzle. No. 1,237,111; Aug. 14; v. 241; p. 543.
- Simpson, William L., Crum Lynne, Pa. Positive fuse-percussion. No. 1,230,933; June 26; v. 239; p. 979.
- Simpson, William M. (See Bluemel, Gustave, assignor.)
- Sims, Charles M. (See Lee and Sims.)
- Sims, Edgar A., Port Townsend, Wash. Apparatus for cooking canned goods. No. 1,210,860; Jan. 2; v. 234; p. 165.
- Sims, Frederick L. H., assignor to The Diaphone Signal Company, Limited, Toronto, Ontario, Canada. Splice-bar for rails and the like. No. 1,213,699; Jan. 23; v. 234; p. 1248.
- Sims, Frederick L. H., assignor to The Diaphone Signal Company, Limited, Toronto, Ontario, Canada. Locking means for key-bolts. No. 1,228,489; June 5; v. 239; p. 39.
- Sims, Frederick L. H., Toronto, Ontario, Canada. Internal-combustion engine. No. 1,232,108; July 3; v. 240; p. 194.
- Sims, James G., Bowie, Tex. Cotton-chopper. No. 1,225,066; May 8; v. 238; p. 384.
- Sims, John J., Massey, Ontario, Canada. Gear-shifting mechanism. No. 1,213,283; Jan. 23; v. 234; p. 1104.
- Sims, Oscar C., Palmetto, Ga. Planter. No. 1,229,158; June 5; v. 239; p. 263.
- Sims, Walter, Pawtucket, R. I. Weighing-balance. No. 1,230,232; June 19; v. 239; p. 709.
- Sims, Julian S. (See Weinhandler and Ringsohn.)
- Sims, Max, New York, N. Y. Finger-ring. No. 1,232,986; July 10; v. 240; p. 512.
- Simultaneous Dyeing & Drying Co. (See Thompson, Lee S., assignor.)
- Sinbad, Charles, assignor of one-sixth to P. J. M. Bertelsen and one-sixth to A. Bertelsen, San Francisco, Cal. Second-hand-setting mechanism for watches. No. 1,244,251; Oct. 23; v. 243; p. 976.
- Sinbad, Charles, assignor of one-sixth to P. J. M. Bertelsen and one-sixth to A. Bertelsen, San Francisco, Cal. Second-hand-setting mechanism for watches. No. 1,244,252; Oct. 23; v. 243; p. 977.
- Sincaze, Joseph F., Florence, Mass. Tire. No. 1,228,071; May 29; v. 238; p. 1509.
- Sinclair, George B. (See Severy and Sinclair.)
- Sinclair, George W., Odda, Norway. Apparatus for the treatment of calcium cyanamid. No. 1,211,252; Jan. 2; v. 234; p. 302.
- Sinclair, Harry L. (See Sinclair, James H. and H. L.)
- Sinclair, James H. and H. L., Denver, Colo. Drill-sharpening machine. No. 1,212,576; Jan. 16; v. 234; p. 824.
- Sinclair, Peter S. (See Gill, Sinclair, and Moakler.)
- Sinclair, William, San Antonio, Tex. Ensilage-cutting machine. No. 1,247,460; Nov. 20; v. 244; p. 751.
- Sindelar, Peter F., Cleveland, Ohio. Soldering device for cables. No. 1,242,610; Oct. 9; v. 243; p. 405.
- Siner, John M., Parish, Fla. Rotary internal-combustion engine. No. 1,228,072; May 29; v. 238; p. 1509.
- Sines, Harold S., assignor to Mineralac Electric Company, Chicago, Ill. Recorder for systems of electrical distribution. No. 1,213,963; Jan. 30; v. 234; p. 1368.
- Singelmann, Max, Chicago, Ill. Airship. No. 1,217,518; Feb. 27; v. 235; p. 1197.
- Singer, Abraham, Cleveland, Ohio. Tool for removing hands of watches and clocks. No. 1,243,771; Oct. 23; v. 243; p. 831.
- Singer Auto Traffic Signal Company. (See Singer, Charles A., assignor.)
- Singer, Charles A., assignor to Singer Auto Traffic Signal Company, St. Louis, Mo. Traffic-directing signaling device. No. 1,239,832; Sept. 11; v. 242; p. 384.
- Singer, Charles A., assignor to Singer Auto Traffic Signal Company, St. Louis, Mo. Multiple switch. No. 1,239,833; Sept. 11; v. 242; p. 384.
- Singer, Charles A., assignor to Singer Auto Traffic Signal Company, St. Louis, Mo. Traffic-directing signal for vehicles. No. 1,240,380; Sept. 18; v. 242; p. 592.
- Singer, Edward F. (See Huisinger and Singer.)
- Singer, Frank, assignor to Syracuse Twist Drill Company, Syracuse, N. Y. Combination-tool. No. 1,225,723; May 8; v. 238; p. 606.
- Singer, Frank J., assignor to American Pressweld Radiator Corporation, Detroit, Mich. Radiator. No. 1,224,677; May 1; v. 238; p. 200.
- Singer, Frank J., assignor to American Pressweld Radiator Corporation, Detroit, Mich. Radiator-coupling. No. 1,230,812; June 19; v. 239; p. 900.
- Singer, Frank K., Pittsburgh, Pa., assignor to American Telephone and Telegraph Company, Boston, Mass. Lineman's shield. No. 1,224,970; May 8; v. 238; p. 352.
- Singer, Helen, New York, N. Y. Boudoir-lamp. No. 1,211,771; Jan. 9; v. 234; p. 510.
- Singer, Konrad R., Nuremberg, Germany, assignor to Siemens Schuckert Werke, Gesellschaft mit beschränkter Haftung. Electric meter. No. 1,222,042; Apr. 10; v. 237; p. 394.
- Singer Manufacturing Company, The. (See Abercrombie, Charles M., assignor.)
- Singer Manufacturing Company, The. (See Allen, Edward B., assignor.)
- Singer Manufacturing Company, The. (See Barron, William L., assignor.)
- Singer Manufacturing Company, The. (See Barron and Osol, assignors.)
- Singer Manufacturing Company, The. (See Becker, Rudolph, assignor.)
- Singer Manufacturing Company, The. (See Bubier, Howard F., assignor.)
- Singer Manufacturing Company, The. (See Corral, Herbert, assignor.)
- Singer Manufacturing Company, The. (See Corral and Forbes, assignors.)
- Singer Manufacturing Company, The. (See De Voe, Albert H., assignor.)
- Singer Manufacturing Company, The. (See Dosch and Ackerman, assignors.)
- Singer Manufacturing Company, The. (See Eames, George M., assignor.)
- Singer Manufacturing Company, The. (See Eichhorn and Becker, assignors.)
- Singer Manufacturing Company, The. (See Fifield, Albert F., assignor.)
- Singer Manufacturing Company, The. (See Fifield and Barron, assignors.)
- Singer Manufacturing Company, The. (See Finch, John S., assignor.)
- Singer Manufacturing Company, The. (See Gatchell, George S., assignor.)
- Singer Manufacturing Company, The. (See Gray, Charles F., assignor.)
- Singer Manufacturing Company, The. (See Grieb, Alfred, assignor.)
- Singer Manufacturing Company. (See Harmon, Frank L., assignor.)
- Singer Manufacturing Company, The. (See Hemleb, Martin, assignor.)
- Singer Manufacturing Company, The. (See Herr, Park A., assignor.)
- Singer Manufacturing Company, The. (See Karle, John D., assignor.)
- Singer Manufacturing Company, The. (See Molyneux, George E., assignor.)
- Singer Manufacturing Company, The. (See Molyneux and Gatchell, assignors.)
- Singer Manufacturing Company, The. (See Myers, Walter, assignor.)
- Singer Manufacturing Company, The. (See Newport, Frederick T., assignor.)
- Singer Manufacturing Company, The. (See Noble, Donald, assignor.)
- Singer Manufacturing Company, The. (See Ringe, John C., assignor.)
- Singer Manufacturing Company, The. (See Rontke, Albert, assignor.)
- Singer Manufacturing Company, The. (See Stafford, Charles, assignor.)
- Singer Manufacturing Company, The. (See Thomas, Carlyle W., assignor.)
- Singer Manufacturing Company, The. (See Tomanek, Philip, assignor.)
- Singer Manufacturing Company, The. (See Wood, Alfred R., assignor.)
- Singleton, James E., and S. T. White, Greenville, N. C. Shutter-operating attachment for twin motion-picture machines. No. 1,229,159; June 5; v. 239; p. 263.
- Sink, William R., Fort Cobb, Okla. Lock for steering-gears. No. 1,249,680; Dec. 11; v. 245; p. 392.
- Sinkovic, George. (See Rock and Sinkovic.)
- Sinkovich, Nicholas, Omaha, Nebr. Life-preserver. No. 1,218,909; Mar. 13; v. 236; p. 395.
- Sinnott, Gilbert J., Brooklyn, assignor to American High Speed Press Company, New York, N. Y. Sheet-register. No. 1,214,232; Jan. 30; v. 234; p. 1459.
- Sinnott, Joseph W. (See Van Orden, Howard E., assignor.)
- Sinnott, Robert J., Ottawa, Ill. Screen-door. No. 1,210,553; Jan. 2; v. 234; p. 61.
- Sinton, Victor W., Belfast, Ireland. Portable conveyer. No. 1,210,993; Jan. 2; v. 234; p. 213.
- Sinton, Victor W., Belfast, Ireland. Conveyer. No. 1,210,994; Jan. 2; v. 234; p. 213.
- Sipher, Edmund F., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Rectifying system. No. 1,235,607; Aug. 7; v. 241; p. 26.

- Sipher, Edmund F., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Shielding system for vapor-converters. No. 1,244,555; Oct. 30; v. 243; p. 1107.
- Sipp, George H., Philadelphia, Pa. Combined receptacle-casing and fly-trap. No. 1,249,528; Dec. 11; v. 245; p. 349.
- Sipperley, Alvinza F., deceased, Denver, Colo.; S. Sipperley, administratrix. Pay-telephone electric recorder. No. 1,222,151; Apr. 10; v. 237; p. 433.
- Sipperley, Susie, administratrix. (See Sipperley, Alvinza F.)
- Sirch, Charles W., Los Angeles, Cal. Aerial locomotion. No. 1,221,234; Apr. 3; v. 237; p. 82.
- Sirmans, Shelton M., Jacksonville, Fla. Attachment for adding-machines. No. 1,219,356; Mar. 13; v. 236; p. 546.
- Sirota, Bernard, New York, N. Y. Woman's dress. No. 1,214,601; Feb. 6; v. 235; p. 42.
- Siry, Raymond C. (See Yelton and Siry.)
- Sisbower, George F., East Orange, N. J., and L. E. Pittoni, assignors to New York Couch Bed Company, New York, N. Y. Folding hammock stand. No. 1,217,519; Feb. 27; v. 235; p. 1197.
- Sisbower, George F., East Orange, N. J., and L. E. Pittoni, assignors to New York Couch Bed Company, New York, N. Y. Folding bed. No. 1,220,015; Mar. 20; v. 236; p. 806.
- Sisbower, George F., East Orange, N. J., and L. E. Pittoni, assignors to New York Couch Bed Company, New York, N. Y. Folding bed. No. 1,220,016; Mar. 20; v. 236; p. 806.
- Sisbower, George F., East Orange, N. J., and L. E. Pittoni, assignors to New York Couch Bed Company, New York, N. Y. Folding-bed structure. No. 1,229,536; June 12; v. 239; p. 441.
- Sisbower, George F., East Orange, N. J., and L. E. Pittoni, assignors to New York Couch Bed Company, New York, N. Y. Foldable hammock-stand. No. 1,229,537; June 12; v. 239; p. 442.
- Sisbower, George F., East Orange, N. J., and L. E. Pittoni, assignors to New York Couch Bed Company, New York, N. Y. Wire mattress. No. 1,234,226; July 24; v. 240; p. 986.
- Sisbower, George F., East Orange, N. J., and L. E. Pittoni, assignors to New York Couch Bed Company, New York, N. Y. Folding hammock. No. 1,240,499; Sept. 18; v. 242; p. 629.
- Sisbower, George F., East Orange, N. J., and L. E. Pittoni, assignors to New York Couch Bed Company, New York, N. Y. Convertible couch. No. 1,240,500; Sept. 18; v. 242; p. 630.
- Sisbower, George F., East Orange, N. J., and L. E. Pittoni, assignors to New York Couch Bed Company, New York, N. Y. Mattress. No. 1,240,501; Sept. 18; v. 242; p. 630.
- Sisson, Albert H., High Point, N. C., assignor, by mesne assignments, to G. H. Forsyth, Chicago, Ill. Metal-sash cushion. No. 1,237,712; Aug. 21; v. 241; p. 773.
- Sisson, Isaac H., Providence, R. I., assignor, by mesne assignments, to The Hump Hairpin Manufacturing Company, Chicago, Ill. Machine for producing bundles of yarn or thread. No. 1,235,942; Aug. 7; v. 241; p. 135.
- Sisson, Thomas U., et al. (See Wood, Pinckney A., assignor.)
- Sisson, Vinton E., assignor to W. P. Murphy, Chicago, Ill. Pressed-steel car end. No. 1,237,397; Aug. 21; v. 241; p. 672.
- Sisson, Vinton E., assignor to W. P. Murphy, Chicago, Ill. End construction for railway box-cars. No. 1,244,649; Oct. 30; v. 243; p. 1134.
- Sisson, Vinton E., assignor to W. P. Murphy, Chicago, Ill. Metal end for railway-cars. No. 1,244,907; Oct. 30; v. 243; p. 1213.
- Sisson, Vinton E., assignor to W. P. Murphy, Chicago, Ill. Metal end structure for railway-cars. No. 1,244,908; Oct. 30; v. 243; p. 1214.
- Sisson, Vinton E., assignor to W. P. Murphy, Chicago, Ill. Diaphragm-plate buffer-spring for railway-car vestibules. No. 1,247,340; Nov. 20; v. 244; p. 717.
- Sistare, William M., New London, Conn. Course-finder. No. 1,225,514; May 8; v. 238; p. 535.
- Sistek, Anna B., Omaha, Nebr. Belt. No. 1,245,995; Nov. 6; v. 244; p. 254.
- Sitko, Franciszek, et al. (See Sitko, John, assignor.)
- Sitko, Jan. (See Dubiel, Jurkiewicz, and Sitko.)
- Sitko, John, assignor of one-third to L. Sitko and one-third to F. Sitko, Fort Wayne, Ind. Rail-joint. No. 1,231,440; June 26; v. 239; p. 1151.
- Sitko, Ludwik, et al. (See Sitko, John, assignor.)
- Sittner, Conrad and H., Ritzville, Wash. Means for bending springs. No. 1,226,918; May 22; v. 238; p. 1090.
- Sittner, Henry. (See Sittner, Conrad and H.)
- Sitney, Massey, South Bethlehem, Pa. Reciprocating gearing. No. 1,210,861; Jan. 2; v. 234; p. 165.
- Sitney, Massey, West Bethlehem, Pa. Reversing mechanism. No. 1,248,735; Dec. 4; v. 245; p. 91.
- Siverson, Simeon, Seattle, Wash. Holder for fountain-pens, &c. No. 1,236,781; Aug. 14; v. 241; p. 438.
- Sivick, Stephen. (See Hritz and Sivick.)
- Six In One Fuse Company, The. (See Feldkamp, Payor, and Payson, assignors.)
- Six, Joseph F. (See Fromager and Six.)
- Sixma, Klaas, Brooklyn, N. Y. Fitting for electrical conduits. No. 1,229,665; June 12; v. 239; p. 485.
- Sixsmith, Arthur E., et al. (See Icenhour, Albert A., assignor.)
- Sjoberg, Sidney T., Minneapolis, Minn. Fuse-plug. No. 1,233,720; July 17; v. 240; p. 787.
- Sjobering, Nels P., Chicago, Ill. Armored tire. No. 1,237,398; Aug. 21; v. 241; p. 672.
- Sjöström, John G., Jönköping, Sweden. Machine for pushing match-splints into conveyer-plates or the like. No. 1,236,992; Aug. 14; v. 241; p. 505.
- Sjostrom, Peter, Maplewood, assignor to Victor Shoe Machinery Company, Lynn, Mass. Shuttle for sewing-machines. No. 1,218,220; Mar. 6; v. 236; p. 116.
- Sjostrom, Peter, Maplewood, Mass., assignor to Victor Shoe Machinery Company, Lynn, Mass. Stitch-measurer for sewing-machines. No. 1,219,597; Mar. 20; v. 236; p. 661.
- Sjostrom, Peter, Maplewood, assignor to Victor Shoe Machinery Company, Boston, Mass. Shuttle-driving mechanism for sewing-machines. No. 1,224,226; May 1; v. 238; p. 39.
- Sjostrom, Peter, Maplewood, assignor to Victor Shoe Machinery Co., Lynn, Mass. Take-up-actuating mechanism for sewing-machines. No. 1,224,423; May 1; v. 238; p. 112.
- Skagen, John, Fenton, Iowa. Clothes-boiler. No. 1,243,563; Oct. 16; v. 243; p. 731.
- Skaggs, Silas R., Richland Springs, Tex. Farm-gate. No. 1,242,255; Oct. 9; v. 243; p. 290.
- Skahen, Patrick D., Syracuse, N. Y. Sheet-metal case. No. 1,212,410; Jan. 16; v. 234; p. 765.
- Skahen, Patrick D., Syracuse, N. Y. Collapsible form for concrete walls. No. 1,214,233; Jan. 30; v. 234; p. 1460.
- Skahen, Patrick D., Syracuse, N. Y. Sheet-metal form for concrete walls. No. 1,246,337; Nov. 13; v. 244; p. 387.
- Skalický, Stépán, Česká Skalce, Austria-Hungary. Mowing-machine. No. 1,211,972; Jan. 9; v. 234; p. 585.
- Skandora, Jakob, Racine, Wis. Coal-car. No. 1,220,018; Mar. 20; v. 236; p. 807.
- Skandora, Jakob, Racine, Wis. Weight-motor. No. 1,225,685; May 8; v. 238; p. 593.
- Skarie, George, Albert Lea, Minn. Automobile-tire-fastening device. No. 1,227,330; May 22; v. 238; p. 1229.
- Skeen, Calvin H., Oakland, Cal. Serving apparatus. No. 1,249,221; Dec. 4; v. 245; p. 229.
- Skeen, Samuel T., Sandoval, Ill. Drill. No. 1,211,634; Jan. 9; v. 234; p. 464.
- Skeen, Samuel T., Sandoval, Ill. Drill. No. 1,226,393; May 15; v. 238; p. 879.
- Skeen, Walter O. (See Lewis, McClain, Skeen, and Massey.)
- Skelt, Matthew H. (See Kite and Skelt.)
- Skelton, Frederick, Burlington, and W. Pickard, Bartonville, Ontario, Canada; said Pickard assignor to said Skelton. D-handle. No. 1,240,502; Sept. 18; v. 242; p. 631.
- Skelton, Frederick, Burlington, Ontario, Canada. Reinforced D-handle. No. 1,240,503; Sept. 18; v. 242; p. 631.
- Skelton, L. S. (See Westbury, William, assignor.)
- Skelton, L. Sherman, Okmulgee, Okla. Glass-drawing apparatus. No. 1,243,564; Oct. 16; v. 243; p. 731.
- Skelton, Levi S., Okmulgee, Okla. Glass-drawing apparatus. No. 1,242,055; Oct. 2; v. 243; p. 186.
- Skerl, Francesco, assignor to The National Cash Register Company, Dayton, Ohio. Ticket-printing machine. No. 1,215,585; Feb. 13; v. 235; p. 423.
- Skerl, Francesco, assignor to The National Cash Register Company, Dayton, Ohio. Ticket-issuing machine. No. 1,238,836; Sept. 4; v. 242; p. 38.
- Skerl, Francesco, assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,243,992; Oct. 23; v. 243; p. 899.
- Skiff, Charles W., assignor to C. W. Skiff Company, Westfield, Mass. Appliance for milk-bottles. No. 1,242,994; Oct. 16; v. 243; p. 550.
- Skiles, Perry A., Surrey, N. D. Antislipping attachment. No. 1,242,056; Oct. 2; v. 243; p. 186.
- Skillen, George L. (See Truman and Skillen.)
- Skillin, Edgar E. (See Biddison, Eugene, assignor.)
- Skillman, Harrison L., Youngstown, Ohio. Combined eaves-trough and down-spout construction. No. 1,226,712; May 22; v. 238; p. 1019.
- Skillman, Joseph A. (See Kettel, Charles, assignor.)
- Skinder, Joseph K., Bridgeport, Conn. Shoe-cleaning apparatus. No. 1,238,837; Sept. 4; v. 242; p. 38.
- Skinderviken, Johan, assignor to S-R Electric Company, Chicago, Ill. Telephone system and the like. No. 1,236,613; Aug. 14; v. 241; p. 380.
- Skindfabriken Unicum Kr. Bendixen, P. Bendixen & Co. (See Bendixen, Kristian, assignor.)
- Skinner, Benjamin H., Berwyn, Ill., assignor to Western Electric Company, New York, N. Y. Electrical testing set. No. 1,236,491; Aug. 14; v. 241; p. 341.
- Skinner, Benjamin H., Berwyn, Ill., assignor to Western Electric Company, New York, N. Y. Message-register test set. No. 1,236,492; Aug. 14; v. 241; p. 341.
- Skinner, Calvin, Columbus, Ohio. Cattle-guard. (Re-issue.) No. 14,247; Jan. 9; v. 234; p. 652.

Alphabetical list of patentees—Continued.

- Skinner, Charles E., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company, Speed-counter. No. 1,214,088; Jan. 30; v. 234; p. 1411.
- Skinner, Charles W., Newfield, N. J., Irrigating apparatus. No. 1,245,050; Oct. 30; v. 243; p. 1255.
- Skinner, Charles W., Newfield, N. J., Drill. No. 1,247,341; Nov. 20; v. 244; p. 717.
- Skinner, Cornelius, Louisville, Ky., Hemp-brake. No. 1,242,379; Oct. 9; v. 243; p. 329.
- Skinner & Eddy Corporation, (See Rodgers, David, assignor.)
- Skinner, Frank F., Pine Bluff, Ark., Barefoot house-shoe. No. 1,213,030; Jan. 16; v. 234; p. 984.
- Skinner, Fred C., (See McCaslin, Elmer L., assignor.)
- Skinner, James M., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa., Storage-battery construction. No. 1,228,250; May 29; v. 238; p. 1566.
- Skinner, James M., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa., Filling device for battery-cells. No. 1,244,909; Oct. 30; v. 243; p. 1214.
- Skinner, John T., Lawrence, Kans., Multiple service connection. No. 1,224,971; May 8; v. 238; p. 352.
- Skinner, John T., Lawrence, Kans., Alternating-current electromagnetic control-switch. No. 1,230,934; June 26; v. 239; p. 979.
- Skinner, John T., Lawrence, Kans., Electric braking system. No. 1,230,935; June 26; v. 239; p. 980.
- Skinner, John T., Lawrence, Kans., Multiple-service connection. No. 1,235,069; July 31; v. 240; p. 1286.
- Skinner, Lee B., assignor to L. B. Skinner Manufacturing Co., Dunedin, Fla., Fruit-drier. No. 1,214,234; Jan. 30; v. 234; p. 1460.
- Skinner, M. T., Cleburne, Tex., Wing-sweep attachment for plows. No. 1,230,233; June 19; v. 239; p. 709.
- Skinner, Mortimer B., Wilmette, Ill., Pipe-joint-packing device. No. 1,242,380; Oct. 9; v. 243; p. 329.
- Skinner, Stephen G., Wilmette, Ill., Apparatus for compressing air. No. 1,213,780; Jan. 23; v. 234; p. 1274.
- Skinner, Stephen G., Wilmette, Ill., Compressor. No. 1,240,892; Sept. 25; v. 242; p. 783.
- Skinner, William C., Toronto, Ontario, Canada, Fuel-burning device. No. 1,225,280; May 8; v. 238; p. 455.
- Skinner, William W., and W. F. Baughman, Washington, D. C., Recovering salt from its admixtures with impurities in crude brine. No. 1,244,380; Oct. 23; v. 243; p. 1014.
- Skipper, David L., (See Lacey, Edward P., assignor.)
- Skipper, Ira V., Meridian, Miss., Convertible fork and rake. No. 1,226,265; May 15; v. 238; p. 837.
- Skipwith, Claud, (See Byron and Skipwith.)
- Sklovsky, Max, assignor to Deere & Company, Moline, Ill., Producing fuel-gas. No. 1,229,338; June 12; v. 239; p. 374.
- Skoglund, Jean V., Brooklyn, N. Y., Concentrating sulfuric acid. No. 1,232,109; July 3; v. 240; p. 194.
- Skoog, Carl E., assignor to Parks Bros. & Rogers, Inc., Providence, R. I., Separable-link cuff-button. No. 1,250,039; Dec. 11; v. 245; p. 496.
- Skoulíkides, Nicolas, New York, N. Y., Shoe. No. 1,243,993; Oct. 23; v. 243; p. 899.
- Skreta, Maximilian, Vienna, Austria-Hungary, Advertising-displaying apparatus. No. 1,214,962; Feb. 6; v. 235; p. 168.
- Skrivanek, Vladimir, Fort Wayne, Ind., Flying-machine. No. 1,230,045; June 12; v. 239; p. 607.
- Skublin, Charles P., assignor to one-half to W. A. Adams, Detroit, Mich., Internal-combustion engine. No. 1,250,683; Dec. 18; v. 245; p. 727.
- Skuttle, John L., assignor to H. E. Francisco, Mason City, Iowa, Automatic water control. No. 1,235,389; July 31; v. 240; p. 1382.
- Slack, Ellsworth, Miamisburg, Ohio, Tobacco-handling device. No. 1,243,994; Oct. 23; v. 243; p. 899.
- Slack, Louis M., (See Potter, Winfield S., assignor.)
- Sladden, Sidney C., New York, N. Y., Pneumatic-tire-tube valve. No. 1,232,726; July 10; v. 240; p. 428.
- Slade, Isaac S., assignor to Slade Manufacturing Company, San Francisco, Cal., Condiment-holder. No. 1,227,331; May 22; v. 238; p. 1230.
- Slade Manufacturing Company, (See Slade, Isaac S., assignor.)
- Sladeczek, Edward, (See Mazoch and Sladeczek.)
- Sladinska, Charles L., Fountain City, Wis., Vine-stripping mechanism. No. 1,237,565; Aug. 21; v. 241; p. 725.
- Slaght, Daniel C., Easton, Pa., Motor-vehicle. No. 1,223,629; Apr. 24; v. 237; p. 1022.
- Slaski, John, Toledo, Ohio, Mine-catching device. No. 1,248,564; Dec. 4; v. 245; p. 40.
- Slasor, Harold, New Philadelphia, Ohio, Suspending-hook. No. 1,228,490; June 5; v. 239; p. 39.
- Slate, Thomas B., assignor to American Mechanical Improvement Company, Washington, D. C., Crank-shaft. No. 1,210,996; Jan. 2; v. 234; p. 214.
- Slate, Thomas B., assignor to American Mechanical Improvement Company, Washington, D. C., Air-propeller. No. 1,238,838; Sept. 4; v. 242; p. 38.
- Slate, Thomas B., assignor to American Mechanical Improvement Company, Washington, D. C., Aero-vehicle body. No. 1,238,839; Sept. 4; v. 242; p. 39.
- Slater, Aldred W., Youngstown, Ohio, Rail-joint. No. 1,216,373; Feb. 20; v. 235; p. 755.
- Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., Exhaust-controlling valve for percussive tools. No. 1,236,614; Aug. 14; v. 241; p. 381.
- Slater, Harry P., Cedar Rapids, Iowa, Iodin compound and preparing same. No. 1,226,394; May 15; v. 238; p. 879.
- Slater, Harvey H., Kenosha, Wis., assignor to J. M. Richardson, Detroit, Mich., Automobile-lamp. No. 1,229,538; June 12; v. 239; p. 442.
- Slater, Henry B., Los Angeles, Cal., Extracting copper from its ores. No. 1,230,078; June 12; v. 239; p. 619.
- Slater, Henry B., Riverside, Cal., Electrolytic cell structure. No. 1,231,955; July 3; v. 240; p. 140.
- Slater, Vern, and L. D. West, assignors to The Electro-Fume Company, Denver, Colo., Electric heater. No. 1,211,973; Jan. 9; v. 234; p. 586.
- Slater, Vern, and L. D. West, assignors to The Electro-Fume Company, Denver, Colo., Fume-disseminator. No. 1,238,068; Aug. 21; v. 241; p. 885.
- Slater, William A., Fort Worth, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa., Fire-extinguisher. No. 1,236,220; Aug. 7; v. 241; p. 223.
- Slathar, Fritz, Bloom City, Wis., Method of and apparatus for harvesting fodder-crops. No. 1,213,284; Jan. 23; v. 234; p. 1104.
- Slattery, Austin E., Minneapolis, Minn., Safety engine-cranking device. No. 1,226,395; May 15; v. 238; p. 879.
- Slattery, Charles H., Cuyahoga Falls, Ohio, Dash-pot for shock-absorbers. No. 1,214,719; Feb. 6; v. 235; p. 84.
- Slattery, James B., Brooklyn, N. Y., Gas-burner. No. 1,248,565; Dec. 4; v. 245; p. 41.
- Slattery, John, Chrome, N. J., Heat-resisting structural material and making same. No. 1,215,727; Feb. 13; v. 235; p. 473.
- Slaughter, James M., Chattanooga, Tenn., Self-lubricating car-wheel. No. 1,226,127; May 15; v. 238; p. 786.
- Slaughter, William B., Jr., and R. A. Gaertner, assignors to P. E. Spellacy, Los Angeles, Cal., Fuel-nozzle for semi-Diesel engines. No. 1,250,684; Dec. 18; v. 245; p. 727.
- Slaughter, William E., et al., (See Gunter and Eakin, assignors.)
- Slauson, Edward V., Grand Rapids, Mich., Automobile-lock. No. 1,235,750; Aug. 7; v. 241; p. 64.
- Slauson, Stephen A., Cedar Rapids, Iowa, Gate. No. 1,215,728; Feb. 13; v. 235; p. 473.
- Slavitt, Harry, Pleasantdale, N. J., Folding seat. No. 1,228,073; May 29; v. 238; p. 1509.
- Slawter, Earl, et al., (See Slawter, Ira L., assignor.)
- Slawter, Ira L., Grand Prairie, Alberta, Canada, assignor of one-third to E. Rogers, Bellingham, Wash., and one-third to E. Slawter, Grand Prairie, Alberta, Canada, Gas-turbine. No. 1,242,057; Oct. 2; v. 243; p. 187.
- Slayden, L. T., et al., (See Berry, Charles S., assignor.)
- Slaymaker Lock Manufacturing Corporation, (See Hoover and Miller, assignors.)
- Slear, Elias F., Collingswood, N. J., Puzzle. No. 1,231,956; July 3; v. 240; p. 140.
- Sledge, Thomas H., Montgomery, Ala., Transposing-piano. No. 1,243,736; Dec. 4; v. 245; p. 92.
- Sleeper, Frank H., assignor to Sleeper & Hartley, Inc., Worcester, Mass., Automatic straightening-machine. No. 1,221,384; Apr. 3; v. 237; p. 134.
- Sleeper, Frank H., assignor to Sleeper & Hartley, Inc., Worcester, Mass., Machine for grinding springs. No. 1,227,498; May 22; v. 238; p. 1283.
- Sleeper, Frank H., Worcester, Mass., assignor of one-fourth to G. D. Hartley, Brooklyn, N. Y., Signal mechanism. No. 1,242,058; Oct. 2; v. 243; p. 187.
- Sleeper & Hartley, (See Sleeper, Frank H., assignor.)
- Sleeper, Joseph J., Moores, Pa., Book-rest. No. 1,235,070; July 31; v. 240; p. 1286.
- Sleeper, Otis H., Exeter, N. H., Jewelry-clasp. No. 1,243,995; Oct. 23; v. 243; p. 899.
- Sleeper, Otis H., Exeter, N. H., assignor to Boston Lock-Nut Company, Boston, Mass., Lock-nut. No. 1,217,520; Feb. 27; v. 235; p. 1197.
- Sleeth, Montgomery, Bellevue, assignor to Fort Pitt Bedding Company, Pittsburgh, Pa., Feeding and filling machine. No. 1,217,847; Feb. 27; v. 235; p. 1309.
- Sleeth, Montgomery, Bellevue, assignor to Fort Pitt Bedding Company, Pittsburgh, Pa., Separating device. No. 1,218,960; Mar. 13; v. 236; p. 412.
- Sleeth, Montgomery, Bellevue, assignor to Fort Pitt Bedding Company, Pittsburgh, Pa., Separating device. No. 1,238,949; Sept. 4; v. 242; p. 74.
- Sleicher, Ralph H., Troy, N. Y., Fluid-pump. No. 1,227,845; May 29; v. 238; p. 1432.
- Slenker, Fred J., Springfield, Ill., Fruit-picker. No. 1,242,059; Oct. 2; v. 243; p. 187.
- Slick, Charles M., Hagerstown, Md., License-tag or sign-plate. No. 1,241,292; Sept. 25; v. 242; p. 911.
- Slick, Edwin E., Pittsburgh, Pa., Shear and shear-operating mechanism. No. 1,226,369; Mar. 27; v. 236; p. 970.
- Slick, Edwin E., Westmont borough, Pa., Metal railing. No. 1,241,041; Sept. 25; v. 242; p. 830.
- Slick, Edwin E., Westmont borough, Pa., Regenerator. No. 1,247,020; Nov. 20; v. 244; p. 626.
- Slick, Edwin E., Westmont borough, Pa., Automatic valve. No. 1,248,026; Nov. 27; v. 244; p. 946.

- Sliemers, John W., St. Joseph, Tenn. Stovepipe-holder. No. 1,216,618; Feb. 20; v. 235; p. 843.
- Sliker, Leon J., Sterling, Kans. Loading-machine. No. 1,244,381; Oct. 23; v. 243; p. 1014.
- Silger, William H. (See De Vaux, Frank, assignor.)
- Slinack, Victor H., assignor to Pennsylvania Globe Gas Light Company, Philadelphia, Pa. Gas-lighting fixture. No. 1,244,382; Oct. 23; v. 243; p. 1014.
- Slingerland, George S., J. F. Zeifang, and J. Goffin, assignors to Niagara Multiple Typewriter Company, Niagara Falls, N. Y. Printing-machine. No. 1,225,515; May 8; v. 238; p. 535.
- Slingluff, Harry G., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Apparatus for handling glass cylinders. No. 1,213,285; Jan. 23; v. 234; p. 1104.
- Slingluff, Harry G., Mount Vernon, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Glass-casting apparatus. No. 1,214,089; Jan. 30; v. 234; p. 1412.
- Sliwinski, Albin. (See Solman and Sliwinski.)
- Sloan, Andrew L., Passaic, N. J. Hanger. No. 1,230,438; June 19; v. 239; p. 775.
- Sloan, Augustus K., Brooklyn, N. Y. Apparatus for uniting metals. No. 1,235,608; Aug. 7; v. 241; p. 26.
- Sloan, Harry M., Chicago, Ill. Street-car. No. 1,216,003; Feb. 13; v. 235; p. 571.
- Sloan, Matthew J., Arch Creek, Fla. Trap. No. 1,237,399; Aug. 21; v. 241; p. 673.
- Sloan, Raymond P., Media, Pa. Printing-machine. No. 1,228,074; May 29; v. 238; p. 1510.
- Sloan, Robert A., and J. E. L. Barnes, Liverpool, England, Centrifugal apparatus for cleansing liquids. No. 1,239,734; Sept. 11; v. 242; p. 352.
- Sloan, William H., Winston-Salem, N. C. Chimney-holding attachment for lamps. No. 1,216,864; Feb. 20; v. 235; p. 924.
- Slocumb, Frank F., Philadelphia Pa., assignor to F. F. Slocumb & Co. Leather-staking machine. No. 1,247,021; Nov. 20; v. 244; p. 629.
- Slocumb, John T., assignor to J. T. Slocumb Company, Providence, R. I. Micrometer-gage. No. 1,226,396; May 15; v. 238; p. 880.
- Slocum, Adelbert. (See Hanna, Charles G., assignor.)
- Slocum, Avram & Slocum. (See Avram, Moïse H., assignor.)
- Slocum, Avram & Slocum. (See Lawrence, Rutherford, assignor.)
- Slocum, Avram & Slocum. (See Schachat, Abraham, assignor.)
- Slocum, Avram & Slocum Laboratories. (See Schachat, Abraham, assignor.)
- Slonaker, Robert L., Wheeling, W. Va. Glass for headlights. No. 1,244,556; Oct. 30; v. 243; p. 1107.
- Sloper, Thomas, Devizes, England. Endless band and manufacturing the same. No. 1,223,742; Apr. 24; v. 237; p. 1062.
- Sloper, Thomas, Wiltshire, England. Wind-shield for wheels. No. 1,223,743; Apr. 24; v. 237; p. 1062.
- Sloper, Thomas, Devizes, England. Manufacture of rubber goods and the like. No. 1,232,110; July 3; v. 240; p. 195.
- Slosser, Vernon H., Bascom, Ohio. Flash-boiler feed mechanism. No. 1,210,995; Jan. 2; v. 234; p. 214.
- Slough, Frank M., Elyria, Ohio, assignor, by mesne assignments, to Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y. Telephone system. No. 1,222,043; Apr. 10; v. 237; p. 395.
- Slough, Frank M., Elyria, Ohio, assignor, by mesne assignments, to Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y. Telephone system. No. 1,231,800; July 3; v. 240; p. 89.
- Slough, Frank M., Elyria, Ohio, assignor, by mesne assignments, to Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y. Telephone system. No. 1,238,350; Aug. 28; v. 241; p. 1011.
- Slough, Frank M., Elyria, Ohio, assignor, by mesne assignments, to Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y. Electrical device. No. 1,248,566; Dec. 4; v. 245; p. 41.
- Slough, Frank M., assignor, by mesne assignments, to Stromberg-Carlson Telephone Mfg. Co., Rochester, N. Y. Telephone system. No. 1,247,887; Nov. 27; v. 244; p. 908.
- Sly, Lawrence, Kansas, Ala. Combined curtain and window-shade fixture. No. 1,230,813; June 19; v. 239; p. 900.
- Slyter, George W., Tacoma, Wash. Reclining-chair. No. 1,233,927; July 17; v. 240; p. 854.
- Smakal, Frank C., Midas, Nev. Pipe-patch. No. 1,242,060; Oct. 2; v. 243; p. 187.
- Small, Andrew B. (See Poe, James G., assignor.)
- Small, Frederick P., Ridgefield, N. J. Combined way-bill and accounting-coupon. No. 1,239,977; Sept. 11; v. 242; p. 429.
- Small, George E., Richmond Hill, N. Y. Reinforced hollow-wall construction. No. 1,214,963; Feb. 6; v. 235; p. 168.
- Small, George E., Richmond Hill, N. Y. Block or slab for reinforced hollow-wall construction. No. 1,214,964; Feb. 6; v. 235; p. 169.
- Small, Howard, Wyncote, Pa., assignor, by mesne assignments, to General Electric Company. Hand-controlled vacuum-cleaner. No. 1,233,928; July 17; v. 240; p. 854.
- Small, Howard, Jenkintown, assignor to J. H. Bell, Philadelphia, Pa. Vacuum-cleaner. No. 1,240,155; Sept. 11; v. 242; p. 481.
- Small, J. W. (See Langton, George H.) (Reissue.)
- Small, Jesse, Arlington, Md. Corner-joint. No. 1,241,042; Sept. 25; v. 242; p. 830.
- Small, John W. (See Langton, George H., assignor.)
- Small, Joseph L., Elwood, Ind. Buffing-roll. No. 1,217,848; Feb. 27; v. 235; p. 1310.
- Small, Ralph B. (See Whitaker, Samuel T., assignor.)
- Small, Thomas W., assignor to The Acme Automatic Street Indicating Company, Cleveland, Ohio. Street-indicating mechanism. No. 1,210,554; Jan. 2; v. 234; p. 61.
- Small, William, Melbourne, Victoria, Australia. Fastener for the bows of car-tops. No. 1,245,996; Nov. 6; v. 244; p. 254.
- Smalley, Edwin L., Montclair, N. J. Electric oven. No. 1,234,499; July 24; v. 240; p. 1075.
- Smallfield, Louis A. (See Fehrenkamp and Smallfield.)
- Smallwood, Alfred, London, England, assignor to American Incandescent Heat Company, Portland, Me. Furnace for heating or annealing. No. 1,226,266; May 15; v. 238; p. 838.
- Smallwood, Alfred, London, England, assignor to American Incandescent Heat Company, Portland, Me. Furnace. No. 1,226,267; May 15; v. 238; p. 838.
- Smallwood, Frank S., Indianapolis, Ind. Counterbalanced cellar-door. No. 1,218,328; Mar. 6; v. 236; p. 154.
- Smart, Harry G., St. Cloud, Minn. Tie-plug machine. No. 1,211,974; Jan. 9; v. 234; p. 586.
- Smart, James S., Chicago, Ill. Sash-holder. No. 1,222,689; Apr. 17; v. 237; p. 666.
- Smart, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Scale. No. 1,233,721; July 17; v. 240; p. 787.
- Smart, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Connector. No. 1,239,531; Sept. 11; v. 242; p. 287.
- Smart, Joseph F., and H. C. Magargal, assignors to Landers, Frary & Clark, New Britain, Conn. Lunch-box. No. 1,231,801; July 3; v. 240; p. 89.
- Smart, Joseph F., and J. B. Griffin, assignors to Landers, Frary & Clark, New Britain, Conn. Percolator. No. 1,251,432; Dec. 25; v. 245; p. 998.
- Smart, Rupert B., Chicago, Ill. Sound-conducting aural device. No. 1,224,331; May 1; v. 238; p. 78.
- Smart, Walter J., New York, N. Y. Spraying or atomizing device. No. 1,232,618; July 10; v. 240; p. 391.
- Smathers, James F., Kansas City, Mo. Line-lock for type-writing machines. No. 1,215,586; Feb. 13; v. 235; p. 423.
- Smathers, James F., Kansas City, Mo. Type-writing machine. No. 1,227,846; May 29; v. 238; p. 1432.
- Smaw, Ernest C., Chesapeake, Va. Ink-bottle. No. 1,227,209; May 22; v. 238; p. 1190.
- Smead, Frank. (See Marks, Smead, and Marks.)
- Smedley, James C. (See Quackenbush and Smedley.)
- Smeeton, Richard J., assignor to The Whitehead & Hoag Company, Newark, N. J. Paper-clip. No. 1,223,630; Apr. 24; v. 237; p. 1022.
- Smelser, Chase D., Plymouth, Ind. Automobile power-transmission-gear-shift device. No. 1,237,713; Aug. 21; v. 241; p. 773.
- Smeltzer, James G., Germantown, Pa. Safety-appliance valve. No. 1,250,040; Dec. 11; v. 245; p. 496.
- Smeltzer, Louis P., Kansas City, Mo. Motor-car. No. 1,248,027; Nov. 27; v. 244; p. 947.
- Smiley, Floyd R., New Holland, Ohio. Clod-crusher. No. 1,217,228; Feb. 27; v. 235; p. 1093.
- Smiley, Howard J., Canton, Ohio. Launching and landing device. No. 1,236,493; Aug. 14; v. 241; p. 342.
- Smiley, Orvall. (See Applegate and Smiley.)
- Smirk, Edward H., St. Annes-on-the-Sea, England. Composition fuel and fire-lighter. No. 1,219,178; Mar. 13; v. 236; p. 486.
- Smirz, James F., Chicago, Ill. Feed-water regulator and alarm. No. 1,245,809; Nov. 6; v. 244; p. 203.
- Smit, Isaac J., Chicago, Ill. Illuminated transparent retractor. No. 1,246,338; Nov. 13; v. 244; p. 338.
- Smit, Isaac J., Chicago, Ill. Self-illuminating depressor for dental and surgical work. No. 1,246,339; Nov. 13; v. 244; p. 338.
- Smit, Isaac J., Chicago, Ill. Self-illuminated surgical illuminating speculum. No. 1,246,340; Nov. 13; v. 244; p. 338.
- Smith, A. A. (See Farling, Burt, assignor.)
- Smith, A. J., et al. (See Jernigan, Albert S., assignor.)
- Smith, Abram E., Brooklyn, N. Y. Railway tank-car. No. 1,245,281; Nov. 6; v. 244; p. 41.
- Smith, Adelaide C., St. Mary's, Ontario, Canada. Non-refillable bottle. No. 1,226,822; May 22; v. 238; p. 1058.
- Smith, Albert, Birmingham, England. Loom for weaving. No. 1,213,700; Jan. 23; v. 234; p. 1248.
- Smith, Albert, Birmingham, England. Shuttle for continuous weft-looms. No. 1,215,729; Feb. 13; v. 235; p. 473.
- Smith, Albert, Fonda, Iowa. Gate-operating means. No. 1,217,353; Feb. 27; v. 235; p. 1136.

Alphabetical list of patentees—Continued.

- Smith, Albert C. and F. H., Hinckley, England. Collar ironing and shaping machine. No. 1,216,507; Feb. 20; v. 235; p. 803.
- Smith, Albert D., Chicago, Ill., assignor to Smith Form-a-Truck Company. Vehicle torsion-arm. No. 1,213,031; Jan. 16; v. 234; p. 984.
- Smith, Albert S., New York, N. Y., assignor to Rand, McNally Company. Suspending apparatus for geographic globes. No. 1,239,231; Sept. 4; v. 242; p. 164.
- Smith, Albert W., Washington, D. C. Evaporative cooler. No. 1,221,916; Apr. 10; v. 237; p. 351.
- Smith, Alfred B., Topeka, Kans. Antiset for hens. No. 1,213,964; Jan. 30; v. 234; p. 1369.
- Smith, Alfred W., Victoria, London, England. Machine for setting and stropping razor-blades. No. 1,231,802; July 3; v. 240; p. 90.
- Smith, Alice, New York, N. Y. Book-marking device. No. 1,248,567; Dec. 4; v. 245; p. 41.
- Smith, Alice F., New York, N. Y. Copy-holder. No. 1,216,004; Feb. 13; v. 235; p. 572.
- Smith, Allan A., Chicago, Ill. Receptacle for garbage, ashes, or the like. No. 1,248,185; Nov. 27; v. 244; p. 991.
- Smith, Allen M., Fort Snelling, Minn. Regulator. No. 1,234,500; July 24; v. 240; p. 1075.
- Smith, Allen M., Fort William McKinley, Philippine Islands. Draft-regulator for furnaces. No. 1,245,282; Nov. 6; v. 244; p. 42.
- Smith, Allen W., New York, N. Y. Portable fire-escape. No. 1,235,943; Aug. 7; v. 241; p. 136.
- Smith, Allison S., Bellaire, Ohio. Molding-base canopy-seat. No. 1,224,576; May 1; v. 238; p. 165.
- Smith, Alva B., assignor of one-half to I. H. Gusdofer, Memphis, Tenn. Shade-support. No. 1,249,222; Dec. 4; v. 245; p. 230.
- Smith, Alva B., Memphis, Tenn., assignor to Steel Grip Company. Dowel-pin and mortise-lock. No. 1,251,298; Dec. 25; v. 245; p. 959.
- Smith, Alvin L., Washington, D. C. Vacuum massage device. No. 1,213,701; Jan. 23; v. 234; p. 1248.
- Smith, Amos H., New York, N. Y. Demountable rim for vehicle wheels. No. 1,229,801; June 12; v. 239; p. 529.
- Smith, Amos H., New York, N. Y. Pressure-gage for engine-cylinders. No. 1,230,527; June 19; v. 239; p. 806.
- Smith, Amos H., New York, N. Y., assignor to American Bank Note Company. Numbering-head. No. 1,213,286; Jan. 23; v. 234; p. 1104.
- Smith, Amos H., New York, N. Y., assignor to American Bank Note Company. Numbering-head. No. 1,227,969; May 29; v. 238; p. 1475.
- Smith, Amos H., New York, N. Y., assignor to American Bank Note Company. Numbering-machine. No. 1,240,893; Sept. 25; v. 242; p. 784.
- Smith, Andrew, Cleveland, Ohio. Tool. No. 1,249,529; Dec. 11; v. 245; p. 349.
- Smith, Annesley D., New York, N. Y. Garment-form. No. 1,248,028; Nov. 27; v. 244; p. 947.
- Smith, Archie, and W. Forquer, Juanita, N. D. Muzzle for horses. No. 1,215,884; Feb. 13; v. 235; p. 529.
- Smith, Arthur B., Rossion, Ark. Harp. No. 1,239,050; Sept. 4; v. 242; p. 106.
- Smith, Arthur B., assignor to Automatic Electric Company, Chicago, Ill. Subscriber's telephone-circuit. No. 1,221,235; Apr. 3; v. 237; p. 83.
- Smith, Arthur D., Vinita, Okla., assignor, by mesne assignments, to J. T. Milliken, St. Louis, Mo. Manufacture of gasoline. No. 1,239,423; Sept. 4; v. 242; p. 223.
- Smith, Arthur E., Chicago, Ill. Anesthetic nerve-blocking tablet. No. 1,243,349; Oct. 16; v. 243; p. 668.
- Smith, Arthur H. (See Fellmann, Bagley, and Smith.)
- Smith, Arthur H., and M. Blanch, assignors to Domestic Vacuum Cleaner Company, Worcester, Mass. Cleaning device. No. 1,227,682; May 29; v. 238; p. 1375.
- Smith, Arthur P., assignor of one-third to H. J. Lessard, Portland, Me. Battery-charger. No. 1,249,223; Dec. 4; v. 245; p. 230.
- Smith, Arthur W. (See Barr and Smith.)
- Smith, Arthur W. (See Farnham, Smith, and Phelps.)
- Smith, Arthur W., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,220,467; Mar. 27; v. 236; p. 1006.
- Smith, Arthur W., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Type-writing machine. No. 1,221,236; Apr. 3; v. 237; p. 83.
- Smith, Augustus, Roselle, assignor to Bergen Point Iron Works, Bayonne, N. J. Railway car-yard or terminal. No. 1,237,963; Aug. 21; v. 241; p. 850.
- Smith, Augustus, Roselle, assignor to Bergen Point Iron Works, Bayonne, N. J. Hoisting-engine. No. 1,248,186; Nov. 27; v. 244; p. 992.
- Smith, Augustus H., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical machine. No. 1,212,411; Jan. 16; v. 234; p. 766.
- Smith, Avery C., Columbus, Ga. Stirrup. No. 1,238,584; Aug. 28; v. 241; p. 1087.
- Smith, Benjamin C., Bayonne, assignor to Standard Motor Construction Company, Jersey City, N. J. Fuel-feeding apparatus. No. 1,237,964; Aug. 21; v. 241; p. 850.
- Smith, Benjamin C., Bayonne, assignor to Standard Motor Construction Company, Jersey City, N. J. Fuel-feeding apparatus for internal-combustion engines. No. 1,237,965; Aug. 21; v. 241; p. 851.
- Smith, Benjamin C., Bayonne, assignor to Standard Motor Construction Company, Jersey City, N. J. Internal-combustion engine. No. 1,245,519; Nov. 6; v. 244; p. 114.
- Smith, Benjamin C., Bayonne, assignor to Standard Motor Construction Company, Jersey City, N. J. Internal-combustion engine. No. 1,245,520; Nov. 6; v. 244; p. 114.
- Smith, Benjamin H., Turtle Creek, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical protective device. No. 1,224,332; May 1; v. 238; p. 78.
- Smith, Benjamin H., Turtle Creek, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical protective device. No. 1,231,659; July 3; v. 240; p. 40.
- Smith, Benjamin H., Turtle Creek, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical protective device. No. 1,241,571; Oct. 2; v. 243; p. 34.
- Smith, Benjamin H., Turtle Creek, Pa., assignor to Westinghouse Electric and Manufacturing Company. Single-phase power-factor-measuring device. No. 1,248,568; Dec. 4; v. 245; p. 42.
- Smith, Bert H., assignor to Willbert Manufacturing Company, Fairbury, Nebr. Lubricating-gland for stuffing-boxes. No. 1,239,132; Sept. 4; v. 242; p. 133.
- Smith, Bert H., and W. A. Inwood, assignors to The Willbert Manufacturing Company, Fairbury, Nebr. Oiling device. No. 1,230,936; June 26; v. 239; p. 980.
- Smith, Beverly W. (See Lutz and Smith.)
- Smith Cannery Machines Company. (See Brierly and Waugh, assignors.)
- Smith Cannery Machines Company. (See Waugh, Edward H., assignor.)
- Smith, Carl B., *et al.* (See Mentzer, Claude E., assignor.)
- Smith, Carl J., Indiana Harbor, Ind. Fluid-pressure regulator. No. 1,243,996; Oct. 23; v. 243; p. 900.
- Smith, Carleton W., assignor, by mesne assignments, to Folding Utilities Corporation, New York, N. Y. Folding stand. No. 1,215,420; Feb. 13; v. 235; p. 360.
- Smith, Carlton L., assignor to Saginaw Plate Glass Company, Saginaw, Mich. Rack for handling plate-glass. No. 1,213,032; Jan. 16; v. 234; p. 984.
- Smith, Carlton L., assignor to Saginaw Plate Glass Company, Saginaw, Mich. Vacuum lifting-cup. No. 1,225,724; May 8; v. 238; p. 606.
- Smith, Charles A. (See Ittner and Smith.)
- Smith, Charles A., assignor to Blaisdell Paper Pencil Company, Philadelphia, Pa. Pencil and making the same. No. 1,222,152; Apr. 10; v. 237; p. 434.
- Smith, Charles A., Philadelphia, Pa., assignor to Blaisdell Paper Pencil Company. Pencil. No. 1,233,815; July 17; v. 240; p. 817.
- Smith, Charles B., and L. L. Miller, Jackson, Tenn. Planter. No. 1,218,961; Mar. 13; v. 236; p. 412.
- Smith, Charles D., Paris, Ill. End-gate for wagons. No. 1,227,332; May 22; v. 238; p. 1230.
- Smith, Charles D., assignor of one-half to C. P. Brown, Paris, Ill. Gate-hanger. No. 1,221,237; Apr. 3; v. 237; p. 83.
- Smith, Charles F., Sunbury, Pa. Identification name-plate for umbrellas. No. 1,220,468; Mar. 27; v. 236; p. 1006.
- Smith, Charles F., Brooklyn, N. Y. Adjustable shade-support. No. 1,251,122; Dec. 25; v. 245; p. 907.
- Smith, Charles F., Brighton, and C. A. White, Somerville, Mass. Envelop for inner tubes. No. 1,221,100; Apr. 3; v. 237; p. 34.
- Smith, Charles G., Lakeland, Mich. Bed-spring. No. 1,241,293; Sept. 25; v. 242; p. 912.
- Smith, Charles G., Cambridge, and J. Slepian, Boston, Mass. Electromagnetic ship's log. No. 1,249,530; Dec. 11; v. 245; p. 349.
- Smith, Charles H. (See De Lappe and Smith.)
- Smith, Charles H., Short Hills, N. J. Process of and apparatus for treating coal. No. 1,224,424; May 1; v. 238; p. 112.
- Smith, Charles H., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Fuse-block. No. 1,218,221; Mar. 6; v. 236; p. 116.
- Smith, Charles H., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Signaling-horn. No. 1,243,772; Oct. 23; v. 243; p. 832.
- Smith, Charles H., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Spring-terminal for binding-posts. No. 1,245,628; Nov. 6; v. 244; p. 148.
- Smith, Charles H., assignor of one-half to H. O. Norman, La Porte, Tex. Cuff-button and sleeve-holder. No. 1,250,372; Dec. 18; v. 245; p. 634.
- Smith, Charles L., Ponca, Nebr. Scythe. No. 1,247,461; Nov. 20; v. 244; p. 752.
- Smith, Charles R., Toledo, Ohio. Shipping-receptacle. No. 1,231,079; June 26; v. 239; p. 1030.
- Smith, Charles R., Fort Scott, Kans., assignor of one-half to F. R. Smith, Hume, Mo. Shutter for moving-picture machines. No. 1,233,816; July 17; v. 240; p. 817.
- Smith, Charles T. (See Hawley, Elmer A., assignor.)
- Smith, Charles Z., South Bethlehem, N. Y. Fire-alarm system. No. 1,222,333; Apr. 10; v. 237; p. 498.

- Smith, Chauncey W., and C. M. Lamb, San Bernardino, Cal. Rake. No. 1,239,735; Sept. 11; v. 242; p. 353.
- Smith, Chester J., Jamestown, N. Y. Calculating-machine. No. 1,224,333; May 1; v. 238; p. 79.
- Smith, Cicero G., Palisades, Colo. Vehicle-spring. No. 1,223,631; Apr. 24; v. 237; p. 1022.
- Smith, Cicero G., Palisades, Colo. Spring-wheel. No. 1,226,397; May 15; v. 238; p. 880.
- Smith, Cicero G., Palisades, Colo., assignor to The Smith Spring Wheel Company, Albuquerque, N. Mex. Spring-wheel. No. 1,215,730; Feb. 13; v. 235; p. 474.
- Smith, Cicero G., Palisades, Colo., assignor to Smith Spring Wheel Company. Spring-wheel for vehicles. No. 1,218,585; Mar. 6; v. 236; p. 240.
- Smith Company, T. I. (See Ware, Charles B., assignor.)
- Smith Concrete Block Machine Company, The. (See Smith, John T., assignor.)
- Smith, Connor L., Concord, N. C. Account-book. No. 1,238,585; Aug. 28; v. 241; p. 1087.
- Smith, Cornelius T., Grandin, Alberta, Canada. Hitching-weight lifter. No. 1,217,354; Feb. 27; v. 235; p. 1136.
- Smith, Cornelius W., and E. A. O'Brien, New York, N. Y. Music-sheet turner. No. 1,231,080; June 26; v. 239; p. 1030.
- Smith, Covert R., Freeport, Ohio. Combined ironing-table and step-ladder. No. 1,216,176; Feb. 13; v. 235; p. 634.
- Smith, Cullen R., Fentress, Tex. Machine for cutting stalks. No. 1,219,676; Mar. 20; v. 236; p. 689.
- Smith, David, Wellesley, Mass. Arch-protector for boilers. No. 1,231,803; July 3; v. 240; p. 90.
- Smith, David S., Vancouver, British Columbia, Canada. Extension-table. No. 1,237,966; Aug. 21; v. 241; p. 852.
- Smith & Davis Manufacturing Company. (See Daily, Joseph F., assignor.)
- Smith, Dillon F. (See Brooks and Smith.)
- Smith, Duncan W., Imperial, Saskatchewan, Canada. Door-opener. No. 1,244,910; Oct. 30; v. 243; p. 1214.
- Smith, Durward M., Clarendon, Va. Gas-burner deflector. No. 1,216,741; Feb. 20; v. 235; p. 883.
- Smith, Edgar C., Fallon, Nev. Dirigible-headlight-operating mechanism. No. 1,225,516; May 8; v. 238; p. 536.
- Smith, Edward B., Kansas City, Mo. Road-drag. No. 1,220,898; Mar. 27; v. 236; p. 1151.
- Smith, Edward E., Philadelphia, Pa. Wrist-joint for dental handpieces. No. 1,233,817; July 17; v. 240; p. 817.
- Smith, Edward G., Syracuse, N. Y. Phonographic reproducer. No. 1,240,504; Sept. 18; v. 242; p. 631.
- Smith, Edward M. (See Starbuck, Ernest, assignor.)
- Smith, Edward S., Selma, Cal. Box or can hook. No. 1,243,565; Oct. 16; v. 243; p. 731.
- Smith, Edward W., Owensboro, Ky. Road-grader. No. 1,228,979; June 5; v. 239; p. 203.
- Smith, Edward W., and E. G. Steinmetz, Philadelphia, Pa. Retaining envelop or cover for storage-battery electrodes. No. 1,218,329; Mar. 6; v. 236; p. 155.
- Smith, Edwin D., Crafton, Pa. Folding stool. No. 1,244,911; Oct. 30; v. 243; p. 1214.
- Smith, Edwin D., St. Louis, Mo. Rail-crossing. No. 1,251,123; Dec. 25; v. 245; p. 907.
- Smith, Elda G. (See Bissell and Smith.)
- Smith, Elda G., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electrical connection. No. 1,212,699; Jan. 16; v. 234; p. 870.
- Smith, Elda G., assignor to Crouse-Hinds Company, Syracuse, N. Y. Terminal box. No. 1,213,287; Jan. 23; v. 234; p. 1105.
- Smith, Elizabeth J., Larchmont, N. Y. Snap-fastener. No. 1,236,116; Aug. 7; v. 241; p. 189.
- Smith, Elizabeth J., Larchmont, N. Y. Hook-fastener. No. 1,245,521; Nov. 6; v. 244; p. 115.
- Smith, Elmer J., assignor to The Peter Smith Heater Company, Detroit, Mich. Electric air-heating system. No. 1,217,229; Feb. 27; v. 235; p. 1093.
- Smith, Elwyn P., assignor to The Mattatuck Manufacturing Company, Waterbury, Conn. Forming and assembling machine. No. 1,218,810; Mar. 13; v. 236; p. 360.
- Smith, Emery H., Burton, assignor to one-fourth to F. T. Wright, Middlebury, and one-fourth to J. A. Homer, Owosso, Mich. Railway-crossing gate. No. 1,229,339; June 12; v. 239; p. 374.
- Smith, Emery N., assignor to one-half to F. Kemppel, Akron, Ohio. Resilient wheel. No. 1,233,722; July 17; v. 240; p. 788.
- Smith, Emil, Flint, Mich. Rod-holding tool. No. 1,230,814; June 19; v. 239; p. 901.
- Smith, Emlyn J. (See Miller, Sicksafoose, and Smith.)
- Smith, Emma E., et al. (See Beeson, Ira S., assignor.)
- Smith, Ernest C., assignor to Walter A. Wood Mowing & Reaping Machine Co., Hoosick Falls, N. Y. Fore-truck for harvesters and the like. No. 1,217,116; Feb. 20; v. 235; p. 1011.
- Smith, Ernest J. (See Goss and Smith.)
- Smith, Ernest J., assignor to The Goss Printing Press Company, Chicago, Ill. Variable-speed inking mechanism. No. 1,234,403; July 24; v. 240; p. 1045.
- Smith, Ernest J., assignor to R. Hoe and Co., New York, N. Y. Ink-distributing mechanism. No. 1,249,681; Dec. 11; v. 245; p. 392.
- Smith, Ernest L., Salt Lake City, Utah. Annual or term pass, frank, or form holder and writing-frame. (Re-issue.) No. 14,258; Feb. 13; v. 235; p. 663.
- Smith, Ernest L., Salt Lake City, Utah. Combined pass or frank and record-writing form. No. 1,249,531; Dec. 11; v. 245; p. 349.
- Smith, Ernest L., Sabula, Iowa. Freight-car grain-door. No. 1,238,586; Aug. 28; v. 241; p. 1087.
- Smith, Esmond M., Chicago, Ill. Lighting-fixture. No. 1,230,046; June 12; v. 239; p. 607.
- Smith, Esmond M., assignor of one-half to L. Plaut and one-half to H. Plaut, New York, N. Y. Lighting-fixture. No. 1,240,505; Sept. 18; v. 242; p. 631.
- Smith, Esmond M., assignor of one-half to L. Plaut and one-half to H. Plaut, New York, N. Y. Lighting-fixture. No. 1,248,187; Nov. 27; v. 244; p. 992.
- Smith, Esmond M., assignor of one-half to L. Plaut and one-half to H. Plaut, New York, N. Y. Lighting-fixture. No. 1,249,841; Dec. 11; v. 245; p. 440.
- Smith, Esmond M., assignor to The Multi-Lux Illuminating Company, Cleveland, Ohio. Lighting-fixture for display-cases. No. 1,243,453; Oct. 16; v. 243; p. 698.
- Smith, Eugene R., Baltimore, Md. Display device. No. 1,240,611; Sept. 18; v. 242; p. 662.
- Smith, Ezra B., assignor to H. B. Dodge & Company, Chicago, Ill. Shade and fixture therefor. No. 1,212,270; Jan. 16; v. 234; p. 717.
- Smith, Ezra B., assignor to Jersey Sweeper Company, Chicago, Ill. Sweeper. No. 1,233,135; July 10; v. 240; p. 560.
- Smith, Ezra B., assignor to Jersey Sweeper Company, Chicago, Ill. Vacuum-cleaner. No. 1,235,849; Aug. 7; v. 241; p. 104.
- Smith, F. S., et al. (See Botz, Konrad, assignor.)
- Smith, Fernando M., Hysham, Mont. Breast-strap. No. 1,248,939; Dec. 4; v. 245; p. 150.
- Smith, Floyd C. (See Ervin and Smith.)
- Smith, Floyd C., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electrical appliance for conduit outlet-boxes. No. 1,248,569; Dec. 4; v. 245; p. 42.
- Smith Form-a-Truck Company. (See Smith, Albert D., assignor.)
- Smith, Francis H. (See Smith, Albert C. and F. H.)
- Smith, Frank A., Orange, N. J. Ventilator attachment for wind-shields. No. 1,223,119; Apr. 17; v. 237; p. 812.
- Smith, Frank A., East Orange, N. J. Splash system of lubrication. No. 1,230,815; June 19; v. 239; p. 901.
- Smith, Frank B., Malden, Mass. Battery. No. 1,247,022; Nov. 20; v. 244; p. 626.
- Smith, Frank E. (See Hoskyns, William J., assignor.)
- Smith, Frank L. (See Stuard, Smith, and Williams.)
- Smith, Frank L. (See Williams and Smith.)
- Smith, Frank L., Chicago, Ill., and T. B. Williams, assignors to The Leavitt Machine Company, Orange, Mass. Facing-tool for dressing valve-seats, &c. No. 1,227,499; May 22; v. 238; p. 1284.
- Smith, Frank R. (See Smith, Charles R., assignor.)
- Smith, Frank W. (See Lake, George W., assignor.)
- Smith, Frank W. (See Wattles, Luther H., assignor.)
- Smith, Franklin D., Deadwood, S. D. Mechanism for transmitting power. No. 1,216,865; Feb. 20; v. 235; p. 925.
- Smith, Fred, Stamford, Conn. Decarbonizing and priming device. No. 1,249,224; Dec. 4; v. 245; p. 230.
- Smith, Frederick, Darby, Pa. Supporting and locking device. No. 1,242,731; Oct. 9; v. 243; p. 442.
- Smith, Frederick C., Port Arthur, Tex. Automatic slack-take-up and cooling device. No. 1,226,713; May 22; v. 238; p. 1019.
- Smith, Frederick C., Port Arthur, Tex. Filling-machine. No. 1,226,714; May 22; v. 238; p. 1020.
- Smith, Frederick C., assignor to Waterbury Mfg. Co., Waterbury, Conn. Lamp-shade. No. 1,211,772; Jan. 9; v. 234; p. 511.
- Smith, Frederick M., Milton, and W. A. Robinson, Boston, Mass. Stage-setting. No. 1,247,888; Nov. 27; v. 244; p. 909.
- Smith, Fredrick W., North Tonawanda, N. Y. Electro-pneumatic organ. No. 1,231,212; June 26; v. 239; p. 1075.
- Smith, Garrett H. (See Nagel, Gustav J., assignor.)
- Smith, Gary B., Chicago, Ill. Bed-spring fabric. No. 1,227,970; May 29; v. 238; p. 1475.
- Smith, Gary B., Chicago, Ill. Bed-spring fabric. No. 1,227,971; May 29; v. 238; p. 1475.
- Smith, Gary B., Chicago, Ill. Machine for assembling bed-fabric chains. No. 1,227,972; May 29; v. 238; p. 1476.
- Smith, Gary B., Chicago, Ill. Machine for assembling bed-fabric chains. No. 1,228,491; June 5; v. 239; p. 40.
- Smith, Gary B., Chicago, Ill. Wire-twisting chuck. No. 1,247,023; Nov. 20; v. 244; p. 626.
- Smith, Gary B., Chicago, Ill. Cross-tie chain fabric for bed-springs. No. 1,247,024; Nov. 20; v. 244; p. 627.
- Smith, George, New York, N. Y. Calk for horseshoes. No. 1,236,494; Aug. 14; v. 241; p. 342.
- Smith, George, Blairsville, Pa. Sack-holder. No. 1,240,612; Sept. 18; v. 242; p. 662.
- Smith, George H. (See Darby and Smith.)
- Smith, George L., London, England. Fire and temperature alarm. No. 1,249,842; Dec. 11; v. 245; p. 440.
- Smith, George M., Winoski, Vt. Clutch. No. 1,226,268; May 15; v. 238; p. 838.
- Smith, George N., Jr., Cleveland, Ohio. Prick attachment for pencils. No. 1,220,792; Mar. 27; v. 236; p. 1114.

Alphabetical list of patentees—Continued.

- Smith, George P., East St. Louis, Ill. Lid-opener. No. 1,234,576; July 24; v. 240; p. 1100.
- Smith, George Q., assignor to W. R. Clayton, Chicago, Ill. Embalming fluid. No. 1,215,210; Feb. 6; v. 235; p. 254.
- Smith, George R., Highland Park, Mich. Internal-combustion-engine appliance. No. 1,218,126; Mar. 6; v. 236; p. 83.
- Smith, George S., Detroit, Mich., assignor, by mesne assignments, to Fisher Body Corporation. Automobile-body. No. 1,235,731; Aug. 7; v. 241; p. 64.
- Smith, George T., *et al.* (See Prigan, Ernest W., assignor.)
- Smith, George W., Dallas, Tex. Front-wheel drive. No. 1,232,402; July 3; v. 240; p. 287.
- Smith, George W., Philadelphia, Pa. Envelop-machine. No. 1,234,501; July 24; v. 240; p. 1076.
- Smith, Glen E. (See Okun, Moses S., assignor.)
- Smith, Glenn, Young's Cove, New Brunswick, Canada. Brake. No. 1,225,517; May 8; v. 238; p. 536.
- Smith, Goodwin B., assignor to The Junoform Company, Philadelphia, Pa. Catamenial sack. No. 1,222,899; Apr. 17; v. 237; p. 737.
- Smith, Grant E., Poughkeepsie, N. Y. Tilting steering-wheel. No. 1,247,734; Nov. 27; v. 244; p. 864.
- Smith, Grant E., assignor to Pouvaillsmith Corporation, Poughkeepsie, N. Y. Steering-wheel post. No. 1,213,811; Jan. 23; v. 234; p. 1286.
- Smith, Green, Philadelphia, Pa. Crate. No. 1,232,987; July 10; v. 240; p. 513.
- Smith-Green, Edward D., New York, N. Y. Mechanism for cleaning shell-fillers. No. 1,232,401; July 3; v. 240; p. 287.
- Smith, Guy D., and L. E. Brandon, assignors to themselves and D. R. Marvin and W. D. Marvin, West Derby, and C. J. Oben, G. R. Lawrence, and W. C. Lindsay, Newport, Vt. Power plant and control. No. 1,236,221; Aug. 7; v. 241; p. 223.
- Smith, Guy W., Oakland, Cal. Tow-line connector. No. 1,222,480; Apr. 10; v. 237; p. 551.
- Smith, Harold S., New Haven, Conn. Package-tie. No. 1,220,698; Mar. 27; v. 236; p. 1084.
- Smith, Harper F., *et al.* (See Jackson, Walter B., assignor.)
- Smith, Harry, Mount Vernon, Tex. Car-door. No. 1,231,660; July 3; v. 240; p. 41.
- Smith, Harry C., Milwaukee, Wis. Collapsible swing. No. 1,230,609; June 19; v. 239; p. 834.
- Smith, Harry C., St. Paul, Minn. Safety device for door-locks. No. 1,234,350; Oct. 16; v. 243; p. 668.
- Smith, Harry E. (See Beebe, Smith, and Duvall.)
- Smith, Harry E., Topeka, Kans. Carbon-stick holder. No. 1,245,164; Nov. 6; v. 244; p. 7.
- Smith, Harry J., New Castle, assignor of one-half to J. S. Wilson, Pittsburgh, Pa. Convertible mold for forming rubber tires. No. 1,211,886; Jan. 9; v. 234; p. 553.
- Smith, Harry O., Kansas City, Mo. Fastener. No. 1,219,179; Mar. 13; v. 236; p. 486.
- Smith, Harvey E., and W. H. Laisure, Tacoma, Wash. Automatic decarbonizer for internal-combustion engines. No. 1,225,068; May 8; v. 238; p. 354.
- Smith, Hayes S., Rowland, N. C. Fertilizer-distributor and planter. No. 1,242,061; Oct. 2; v. 243; p. 188.
- Smith, Henry A. (See Parker and Smith.)
- Smith, Henry A. W., Chatham, Va. Shears. No. 1,227,333; May 22; v. 238; p. 1230.
- Smith, Henry C., Detroit, Mich. Motor-vehicle. No. 1,237,714; Aug. 21; v. 241; p. 774.
- Smith, Henry J., Minneapolis, assignor to H. J. Smith Tractor Company, Hennepin county, Minn. Gearing. No. 1,222,153; Apr. 10; v. 237; p. 434.
- Smith, Henry L., assignor to The E. J. Manville Machine Company, Waterbury, Conn. Heading-machine. No. 1,244,912; Oct. 30; v. 243; p. 1215.
- Smith, Henry S., Ulster Park, N. Y. Shipping-package for eggs. No. 1,223,209; Apr. 17; v. 237; p. 843.
- Smith, Herbert A., St. Paul, Minn. Check-book cover. No. 1,217,849; Feb. 27; v. 235; p. 1310.
- Smith, Herbert E., assignor to The Spokane Mail Equipment Company, Spokane, Wash. Mail-pouch. No. 1,236,937; June 26; v. 239; p. 981.
- Smith, Herbert L., Westley, R. I. Transformer-secondary. No. 1,214,235; Jan. 30; v. 234; p. 1460.
- Smith, Herbert M., and W. W. Stanley, Great Barrington, Mass., assignors, by mesne assignments, to W. H. Walker, New York, N. Y. Electric welding. No. 1,249,532; Dec. 11; v. 245; p. 350.
- Smith, Herbert W., Coon Rapids, Iowa. Window-shade bracket. No. 1,231,441; June 26; v. 239; p. 1151.
- Smith, Herman, Maddock, N. D. Wrench. No. 1,221,101; Apr. 3; v. 237; p. 34.
- Smith, Herman R. (See Upson and Smith.)
- Smith, Hine M., Sparta, Mich. Combination intake-manifold and heating-casing. No. 1,220,281; Mar. 27; v. 236; p. 938.
- Smith, Hinsdale, South Hadley, Mass., assignor to The Springfield Body Corporation of New York. Convertible automobile-body. No. 1,251,433; Dec. 25; v. 245; p. 998.
- Smith, Hiram A., Paw Paw, Mich. Device for use in erecting silos. No. 1,218,008; Mar. 6; v. 236; p. 42.
- Smith, Hiram A., Paw Paw, Mich. Cylindrical wall structure. No. 1,250,685; Dec. 18; v. 245; p. 728.
- Smith, Hiram A., Paw Paw, Mich. Wall structure. No. 1,250,686; Dec. 18; v. 245; p. 728.
- Smith, Horace T., Cambridge, Mass. Door-check. No. 1,220,469; Mar. 27; v. 236; p. 1006.
- Smith, Howard A. (See Gates and Smith.)
- Smith, Howard F., *et al.* (See Magee, Chauncey L. C., assignor.)
- Smith, Howard L., St. Louis, Mo. Egg-carrier. No. 1,213,550; Jan. 23; v. 234; p. 1199.
- Smith, Huribut W., *et al.* (See Dennis, Adolphus S., assignor.)
- Smith, Ira L., Pine Bluff, Ark. Automatic key for feed-shafts. No. 1,224,334; May 1; v. 238; p. 79.
- Smith, Iredell, assignor to C. F. Wallerstedt, St. Louis, Mo. Pocket-book. No. 1,228,251; May 29; v. 238; p. 1566.
- Smith, Irvin G., assignor of one-fourth to R. A. Wheelock, Elgin, Ill. Water-heater. No. 1,224,335; May 1; v. 238; p. 80.
- Smith, Isaac P., Peoria, assignor to Self Closing Gate Co., Lowpoint, Ill. Gate-latch. No. 1,241,671; Oct. 2; v. 243; p. 64.
- Smith, Issacher R., Toronto, Canada. Flexible splint. No. 1,243,230; Oct. 16; v. 243; p. 633.
- Smith, J. Mack. (See Kirkpatrick, Otley R., assignor.)
- Smith, Jacob E., Homestead, Pa. Weed-digging implement. No. 1,225,188; May 8; v. 238; p. 425.
- Smith, Jacob J., Chicago, Ill., assignor of one-half to Lawrence Manufacturing Company. Adjustable oil-gas burner. No. 1,247,025; Nov. 20; v. 244; p. 627.
- Smith, James E. (See Nolte and Smith.)
- Smith, James E., Baltimore, Md. Puzzle. No. 1,215,069; Feb. 6; v. 235; p. 206.
- Smith, James F., Los Angeles, Cal. Adjustable water-planing surface. No. 1,237,715; Aug. 21; v. 241; p. 775.
- Smith, James H., Boston, assignor of one-half to J. M. Nelson, East Boston, Mass. Threading attachment for sewing-machines. No. 1,216,866; Feb. 20; v. 235; p. 925.
- Smith, James J., Estancia, N. Mex. Hat-fastener. No. 1,246,341; Nov. 13; v. 244; p. 388.
- Smith, James P., Boonville, Ind. Wire-clamp for fence-posts. No. 1,243,884; Oct. 23; v. 243; p. 867.
- Smith, Jerome O. (See Hansen and Smith.)
- Smith, Jesse A. B., Brooklyn, assignor to Underwood Type-writer Company, New York, N. Y. Type-writing machine. No. 1,219,598; Mar. 20; v. 236; p. 661.
- Smith, Jesse A. B., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,237,716; Aug. 21; v. 241; p. 775.
- Smith, Jesse A. B., Glenbrook, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,227,847; May 29; v. 238; p. 1433.
- Smith, Jesse C., Kansas City, Mo. Eraser. No. 1,220,282; Mar. 27; v. 236; p. 939.
- Smith, John, Cambridge, Mass. Ray-protector. No. 1,231,213; June 26; v. 239; p. 1076.
- Smith, John, Brooklyn, N. Y., assignor, by mesne assignments, to Hi-Po Waterproof Battery Corporation. Battery-package. No. 1,214,836; Feb. 6; v. 235; p. 122.
- Smith, John, Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Edge-gage mechanism. No. 1,220,137; Mar. 20; v. 236; p. 853.
- Smith, John A., assignor to Elliott-Fisher Company, Harrisburg, Pa. Combined key-connecting and ribbon-shifting mechanism for combined type-writers and adders. No. 1,228,492; June 5; v. 239; p. 40.
- Smith, John B., and F. Hobbsieffen, Glendale, Cal. Combination-tool. No. 1,245,394; Nov. 6; v. 244; p. 75.
- Smith, John C., Louisville, Ky. Control of current to large inductances. No. 1,216,867; Feb. 20; v. 235; p. 926.
- Smith, John C., assignor of twenty-four one-hundredths to C. W. Head and twenty-five one-hundredths to B. Garcia, Mobile, Ala. Automobile-tire. No. 1,231,957; July 3; v. 240; p. 140.
- Smith, John E., assignor to Kerosene Motor Appliance Co., New York, N. Y. Vaporizing apparatus for internal-combustion engines. No. 1,245,129; Oct. 30; v. 243; p. 1279.
- Smith, John F., and G. H. Williams, Seattle, Wash., assignors, by mesne assignments, to Safety First Brake Shoe Co., Inc. Forming brake-rings. No. 1,220,470; Mar. 27; v. 236; p. 1006.
- Smith, John F. G., Washington, D. C. Steering-wheel lock. No. 1,213,288; Jan. 23; v. 234; p. 1106.
- Smith, John H., Los Angeles, Cal. Ship-armor. No. 1,238,840; Sept. 4; v. 242; p. 39.
- Smith, John H., assignor of one-half to B. A. Gill, Richmond, Va. Transmission for motor-vehicles. No. 1,212,577; Jan. 16; v. 234; p. 825.
- Smith, John M. (See Kinney, Frank B., assignor.)
- Smith, John M., St. John, New Brunswick, Canada. Fire-signal apparatus. No. 1,224,028; Apr. 24; v. 237; p. 1159.
- Smith, John M., San Pedro, N. Mex. U-bolt-forming machine. No. 1,249,843; Dec. 11; v. 245; p. 441.
- Smith, John P., Chicago, Ill., assignor to International Harvester Company of New Jersey. Shocking-machine for grain and the like. No. 1,226,398; May 15; v. 238; p. 880.
- Smith, John R. (See Thurman, Isaac B., assignor.)

- Smith, John R., London, England. Vehicle-wheel. No. 1,215,885; Feb. 13; v. 235; p. 529.
- Smith, John T., assignor to The Smith Concrete Block Machine Company, Mount Airy, Md. Concrete-block machine. No. 1,232,988; July 10; v. 240; p. 513.
- Smith, John W., Brooklyn, N. Y. Automatic gas cut-off. No. 1,211,975; Jan. 9; v. 234; p. 586.
- Smith, John W., Chicago, Ill. Internal-combustion engine. No. 1,214,837; Feb. 6; v. 235; p. 122.
- Smith, John W., Philadelphia, Pa. Internal-combustion engine. No. 1,229,340; June 12; v. 239; p. 375.
- Smith, Joseph F., Heybrook, Wash. Calk-plate. No. 1,224,029; Apr. 24; v. 237; p. 1160.
- Smith, Joseph J., Cambridge, assignor to W. Firth, Chestnut Hill, Mass. Pneumatic cleaner. No. 1,245,629; Nov. 6; v. 244; p. 148.
- Smith, Joseph J., Jr., Benton Harbor, Mich. Spark-plug. No. 1,226,399; May 15; v. 238; p. 881.
- Smith, Joseph R. S., Placerville, Colo. Steering-gear. No. 1,223,907; Apr. 24; v. 237; p. 1119.
- Smith, Julius W., Madison, Minn. Temporary retarding and suspending the setting of dental cements. No. 1,210,555; Jan. 2; v. 234; p. 61.
- Smith, Junius W., Nooksack, Wash. Protector for pneumatic tires. No. 1,242,484; Oct. 9; v. 243; p. 363.
- Smith, Justus M., Oakhurst, N. J. Toy parachute. No. 1,218,330; Mar. 6; v. 236; p. 155.
- Smith, Karl D., assignor to Union Steam Pump Company, Battle Creek, Mich. Pump. No. 1,222,481; Apr. 10; v. 237; p. 551.
- Smith, Karl D., assignor to Union Steam Pump Company, Battle Creek, Mich. Pump. No. 1,244,913; Oct. 30; v. 243; p. 1215.
- Smith, Karl D., assignor to Union Steam Pump Company, Battle Creek, Mich. Pump. No. 1,246,342; Nov. 13; v. 244; p. 389.
- Smith, Kirk, Columbus Grove, Ohio. Vegetable-slicer. No. 1,215,731; Feb. 13; v. 235; p. 474.
- Smith, Kyle, Chicago, Ill. Change-over mechanism for electric railways. No. 1,232,864; July 10; v. 240; p. 473.
- Smith, Lafayette E., Seattle, assignor of one-half to H. T. Graham, King county, Wash. Water-vaporizer. No. 1,250,373; Dec. 18; v. 245; p. 635.
- Smith, Lambert G., *et al.* (See Hachmann, Frederick, assignor.)
- Smith, Lee H., Detroit, Mich. Engine-starting device. No. 1,242,485; Oct. 9; v. 243; p. 363.
- Smith, Leo O., assignor to Columbia Machine Works and Malleable Iron Company, Brooklyn, N. Y. Signal-bell. No. 1,236,117; Aug. 7; v. 241; p. 189.
- Smith, Lewis C. (See Riebsame, Edward C., assignor.)
- Smith, Lewis H. (See Funk and Smith.)
- Smith, Louis, Chicago, Ill. Making cross-ruled sheets. No. 1,210,862; Jan. 2; v. 234; p. 165.
- Smith, Louis, Brooklyn, N. Y. Tool-holder. No. 1,212,271; Jan. 16; v. 234; p. 718.
- Smith, Louis L., Edgewood, assignor, by mesne assignments, to The Westinghouse Gear and Dynamometer Company, Pittsburgh, Pa. Reduction-gearing. No. 1,228,493; June 5; v. 239; p. 40.
- Smith, Louis L., Edgewood, Pa., assignor to Westinghouse Electric and Manufacturing Company. Tying means for turbine-blades. No. 1,245,810; Nov. 6; v. 244; p. 203.
- Smith, Louis R., Denver, assignor to The Universal Indexing Company, Colorado Springs, Colo. Book-index. No. 1,222,568; Apr. 10; v. 237; p. 582.
- Smith, Lucian S., Nicholasville, Ky. Car-door fastener. No. 1,251,124; Dec. 25; v. 245; p. 907.
- Smith & Marsh Incorporated. (See Saunders, John, assignor.)
- Smith, Marshal S. (See Elkins and Smith.)
- Smith, Martin R., Charlottesville, Va. Valve. No. 1,249,225; Dec. 4; v. 245; p. 231.
- Smith, Martin V., Hartford, assignor to J. E. Hamilton, Simsbury, Conn. Incandescent-lamp socket. No. 1,219,497; Mar. 20; v. 236; p. 625.
- Smith, Martin V., Hartford, assignor to J. E. Hamilton, Simsbury, Conn. Incandescent-lamp socket. No. 1,247,026; Nov. 20; v. 244; p. 627.
- Smith, Marvin A., Cottonwood, Ala. Dish-pan. No. 1,239,834; Sept. 11; v. 242; p. 385.
- Smith, Marvin W., Canton, S. D. Well point and strainer. No. 1,236,615; Aug. 14; v. 241; p. 382.
- Smith, Mary O., and W. E. Frost, Auburn, Me.; said Frost assignor of one-fourth of the whole right to Almé C. Levesgne and J. A. Larose, Lewiston, Me. Needle-threading attachment for sewing-machines. No. 1,220,019; Mar. 20; v. 236; p. 807.
- Smith, Maurice A., Jeannette, Pa. Making glassware. No. 1,239,051; Sept. 4; v. 242; p. 106.
- Smith, May R., Brooklyn, N. Y. Toilet-case. No. 1,218,222; Mar. 6; v. 236; p. 117.
- Smith, Melton A., Vandergrift, Pa. Method of and apparatus for tapping open-hearth furnaces. No. 1,247,606; Nov. 20; v. 244; p. 792.
- Smith, Michael, Bisbee, Ariz. Rock-drill. No. 1,232,111; July 3; v. 240; p. 195.
- Smith, Michael H., Woburn, Mass. Cord-fastening device. No. 1,218,811; Mar. 13; v. 236; p. 361.
- Smith, Millard E., St. Jo, assignor of one-half to J. T. Simmons, Montague county, Tex. Cotton-boll harvester. No. 1,237,832; Aug. 21; v. 241; p. 810.
- Smith, Milton E., Spokane, Wash. Rail-tie structure. No. 1,237,566; Aug. 21; v. 241; p. 725.
- Smith, Milton E., assignor to The Standard Tie Company, Spokane, Wash. Rail-anchoring means. No. 1,238,351; Aug. 28; v. 241; p. 1011.
- Smith, Newton J. (See Tate and Smith.)
- Smith, Norman H., Babylon, N. Y. Automatic sash-holder. No. 1,214,602; Feb. 6; v. 235; p. 42.
- Smith, Ogeal, *et al.* (See Choteau, Henry H., assignor.)
- Smith, Orbin F., Moline, Ill., assignor to Moline Plow Company. Land-marker. No. 1,212,412; Jan. 16; v. 234; p. 766.
- Smith, Orbin F., Moline, Ill., assignor to Moline Plow Company. Check-wire-operated mechanism for planters. No. 1,212,413; Jan. 16; v. 234; p. 766.
- Smith, Orbin F., Moline, Ill., assignor to Moline Plow Company. Seeding-machine. No. 1,212,414; Jan. 16; v. 234; p. 767.
- Smith, Orbin F., Moline, Ill., assignor to Moline Plow Company. Seed-discharging mechanism. No. 1,244,787; Oct. 30; v. 243; p. 1177.
- Smith, Oscar A., assignor of one-half to E. C. Henn, Cleveland, Ohio. Valve-stem cap. No. 1,242,995; Oct. 16; v. 243; p. 550.
- Smith, Oscar L., assignor to S. D. Young, trustee, Grand Rapids, Mich. Show-case. No. 1,219,404; Mar. 13; v. 236; p. 563.
- Smith, Oscar L., assignor to S. D. Young, trustee, Grand Rapids, Mich. Display device. No. 1,219,405; Mar. 13; v. 236; p. 564.
- Smith, Otto M., Little Rock, Ark. Instrument for measuring the turbidity of liquids. No. 1,232,989; July 10; v. 240; p. 513.
- Smith, Owen P. (See Reed and Smith.)
- Smith, Patrick, Foresthill, Cal. Grip for automobile-tires. No. 1,239,312; Sept. 4; v. 242; p. 190.
- Smith, Paul J., Beech Creek, Pa. Steering-gear for motor-vehicles. No. 1,338,980; June 5; v. 239; p. 204.
- Smith, Persifer F., Jr., Toledo, Ohio. Locomotive-pilot. No. 1,220,146; Mar. 20; v. 236; p. 856.
- Smith, Peter H., Loughheed, Alberta, Canada. Steering-gear for motor-sleighs. No. 1,223,210; Apr. 17; v. 237; p. 843.
- Smith, Philip J., Saginaw, Mich. Jointer-feeder. No. 1,249,533; Dec. 11; v. 245; p. 850.
- Smith, Ralph W. (See Neale and Smith.)
- Smith, Reuben W., Jr., Huron, Cal. Shaving-brush. No. 1,220,020; Mar. 20; v. 236; p. 807.
- Smith, Richard J., Dublin, Ireland. Torpedo-net. No. 1,242,611; Oct. 9; v. 243; p. 405.
- Smith, Robert A., Mahwah, N. J., assignor to Smith-Serrell Co., Inc., New York, N. Y. Flexible coupling. No. 1,225,518; May 8; v. 238; p. 537.
- Smith, Robert H., Somerville, Mass. Book. No. 1,234,502; July 24; v. 240; p. 1076.
- Smith, Robert R., assignor to Miller Lock Company, Philadelphia, Pa. Hat-rack. No. 1,219,784; Mar. 20; v. 236; p. 726.
- Smith, Roe L. (See Anderson, Andrew S., assignor.)
- Smith, Roland L., Everett, Mass. Storage battery and making same. No. 1,239,835; Sept. 11; v. 242; p. 385.
- Smith, Ross G., Derry Village, N. H., assignor to Raymond, Pynchon & Company, New York, N. Y. Manufacture of explosives. No. 1,243,351; Oct. 16; v. 243; p. 669.
- Smith, Roy H., Cleveland, Ohio. Metal-working machine. No. 1,239,052; Sept. 4; v. 242; p. 106.
- Smith, Roy H., Cleveland, Ohio. Metal-working machine. No. 1,239,053; Sept. 4; v. 242; p. 107.
- Smith, Rufus E., and F. E. Cable, Syracuse, N. Y.; said Cable assignor to said Smith. Machine for making capsules. No. 1,232,112; July 3; v. 240; p. 195.
- Smith, S. Wemyss. (See Zahner and Smith.)
- Smith, Samuel, and R. J. Galvin, Cincinnati, Ohio. Fender. No. 1,242,612; Oct. 9; v. 243; p. 405.
- Smith, Samuel B., Cleveland, Ohio. Hover. No. 1,223,433; Apr. 24; v. 237; p. 951.
- Smith-Serrell Co. (See Smith, Robert A., assignor.)
- Smith, Sidney A., Jamestown, N. Y. Baffle-plate for propeller-wheels. No. 1,226,400; May 15; v. 238; p. 881.
- Smith, Sidney C. (See Wolfsberg and Smith.)
- Smith, Sidney J., Fresno, Cal. Fire-extinguisher. No. 1,231,442; June 26; v. 239; p. 1151.
- Smith, Sidney L., Pittsburgh, Pa. Flower-pot. No. 1,251,125; Dec. 25; v. 245; p. 908.
- Smith Spring Wheel Company, The. (See Smith, Cicero G., assignor.)
- Smith, Squire J., assignor, by mesne assignments, to Patent Devices, Limited, Vancouver, British Columbia, Canada. Draft-excluder. No. 1,218,331; Mar. 6; v. 236; p. 155.
- Smith, Stanley B., assignor of one-half to L. S. Benjamin, St. John, New Brunswick, Canada. Water-tight lamp-socket. No. 1,224,030; Apr. 24; v. 237; p. 1160.
- Smith, Stephen M., Boise, Idaho. Block. No. 1,222,334; Apr. 10; v. 237; p. 498.
- Smith, Stephen M., Boise, Idaho. Salvaging apparatus. No. 1,246,172; Nov. 13; v. 244; p. 337.
- Smith, Stephen M., Boise, Idaho. Fruit-picker. No. 1,246,173; Nov. 13; v. 244; p. 337.

Alphabetical list of patentees—Continued.

- Smith, Stephen M., Boise, Idaho. Block-hook. No. 1,246,174; Nov. 13; v. 244; p. 338.
- Smith, Stephen M., Boise, Idaho. Hauling apparatus. No. 1,246,175; Nov. 13; v. 244; p. 338.
- Smith, Stephen W., San Jose, Cal. Motor plow. No. 1,233,136; July 10; v. 240; p. 561.
- Smith, Sterling W., *et al.* (See Nelsen, Nels C., assignor.)
- Smith, Sydney, Detroit, Mich. Machine for making castellated nuts. No. 1,216,742; Feb. 20; v. 235; p. 883.
- Smith, Theodore F. (See Peden, Joseph E., assignor.)
- Smith, Thomas B., Wichita Falls, Tex. Rotary core-drill. No. 1,224,509; May 1; v. 238; p. 141.
- Smith, Thomas H., Jamestown, N. Y. Spindle for bobbins. No. 1,238,352; Aug. 28; v. 241; p. 1012.
- Smith, Thomas H., Jamestown, N. Y. Spindle for bobbins. No. 1,238,353; Aug. 28; v. 241; p. 1012.
- Smith, Thomas J., Pontiac, Mich. Sighting attachment for carpenters' squares. No. 1,210,997; Jan. 2; v. 234; p. 214.
- Smith, Thomas K., Pittsburgh, Pa. Inkstand. No. 1,227,009; May 22; v. 238; p. 1123.
- Smith, Thomas M., Baltimore, Md. Automobile-signal. No. 1,248,188; Nov. 27; v. 244; p. 992.
- Smith, Ulysses J., Reading, Pa. Disinfecting apparatus. No. 1,222,044; Apr. 10; v. 237; p. 395.
- Smith-Upton Co. (See Kyle, James M., assignor.)
- Smith, Veunia, Santa Monica, Cal. Leaching-valve. No. 1,238,209; Aug. 28; v. 241; p. 964.
- Smith, Victor A., Rockport, Miss. Mosquito-bar. No. 1,226,401; May 15; v. 238; p. 881.
- Smith, Victor C., Wheatland, Pa. Heating steel and tin plates. No. 1,211,635; Jan. 9; v. 234; p. 464.
- Smith, Voorhees G., and O. J. Shoemaker, Iola, Kans. Starching-machine. No. 1,235,732; Aug. 7; v. 241; p. 65.
- Smith, Walter A., Topeka, Kans. Clamp for soil-pipe test-plugs. No. 1,226,023; May 15; v. 238; p. 751.
- Smith, Walter B., New Haven, Conn. Toy construction member. No. 1,212,700; Jan. 16; v. 234; p. 871.
- Smith, Walter H., assignor to The Harris Automatic Press Company, Niles, Ohio. Printing-press. No. 1,250,236; Dec. 18; v. 245; p. 594.
- Smith, Walter S. (See Hawley, Jesse G., assignor.)
- Smith, Walter S., assignor to L. R. Drake, Columbus, Ohio. Automatic scale. No. 1,241,672; Oct. 2; v. 243; p. 65.
- Smith, Walton D., Prophetstown, assignor to C. W. Thurow, Aurora, Ill. Blotter. No. 1,225,519; May 8; v. 238; p. 537.
- Smith, Warren M., Moores, assignor to The J. G. Brill Company, Philadelphia, Pa. Car construction. No. 1,242,732; Oct. 9; v. 243; p. 442.
- Smith, Watson R., Jackson, Mich. Spring structure. No. 1,242,996; Oct. 16; v. 243; p. 560.
- Smith, Wesley L., Pittsburgh, Pa. Artificial tooth. No. 1,238,210; Aug. 28; v. 241; p. 964.
- Smith & Wesson. (See Wesson, Joseph H., assignor.)
- Smith, Wilbert L., *et al.* (See Dennis, Adolphus S., assignor.)
- Smith, Wiley A., Meridian, Miss. Extension-ladder. No. 1,248,189; Nov. 27; v. 244; p. 993.
- Smith, Willard A., Melrose, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Button-sewing machine. No. 1,238,587; Aug. 28; v. 241; p. 1087.
- Smith, Willard L., Los Angeles, Cal. Snap-hook. No. 1,240,381; Sept. 18; v. 242; p. 593.
- Smith, William, assignor to Henry Disston & Sons, Incorporated, Philadelphia, Pa. Trowel. No. 1,212,826; Jan. 16; v. 234; p. 912.
- Smith, William A. (See Bowman, Levi M., assignor.)
- Smith, William A. (See Bowman and Smith.)
- Smith, William A., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Tool-retainer. No. 1,212,272; Jan. 16; v. 234; p. 718.
- Smith, William A., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Rock-drilling apparatus. No. 1,214,603; Feb. 6; v. 235; p. 42.
- Smith, William A., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Drill-sharpening apparatus. No. 1,214,604; Feb. 6; v. 235; p. 43.
- Smith, William A., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Operating mechanism for rock-drills. No. 1,219,498; Mar. 20; v. 236; p. 626.
- Smith, William A., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Drill-sharpener. No. 1,233,723; July 17; v. 240; p. 788.
- Smith, William A., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Drill-sharpener. No. 1,251,434; Dec. 25; v. 245; p. 998.
- Smith, William B., Wesleyville, Pa. Wrench. No. 1,222,482; Apr. 10; v. 237; p. 551.
- Smith, William B., Chicago, Ill. Pocketed receptacle. No. 1,226,919; May 22; v. 238; p. 1090.
- Smith, William E., South Plainfield, N. J. Egg-case. No. 1,217,230; Feb. 27; v. 235; p. 1094.
- Smith, William E., Milltown, assignor to Kilbourn Manufacturing Corporation, New Brunswick, N. J. Seamless-fashioning stocking and knitting and fashioning the same. No. 1,216,374; Feb. 20; v. 235; p. 756.
- Smith, William E., Milltown, assignor to Kilbourn Manufacturing Corporation, New Brunswick, N. J. Circular-knitting machine. No. 1,227,683; May 29; v. 238; p. 1376.
- Smith, William E., Milltown, assignor to Kilbourn Manufacturing Corporation, New Brunswick, N. J. Seamless tubular fabric and making same. No. 1,231,443; June 26; v. 239; p. 1151.
- Smith, William E., assignor to Boston Machine Works Company, Lynn, Mass. Beading-machine. No. 1,244,650; Oct. 30; v. 243; p. 1135.
- Smith, William F., Brooklyn, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Manufacture of electric cables. No. 1,223,434; Apr. 24; v. 237; p. 951.
- Smith, William F., Brooklyn, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Winding-machine. No. 1,240,506; Sept. 18; v. 242; p. 632.
- Smith, William F., Brooklyn, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Twisting-machine. No. 1,247,462; Nov. 20; v. 244; p. 752.
- Smith, William F., Brooklyn, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Winding-head. No. 1,247,463; Nov. 20; v. 244; p. 752.
- Smith, William F., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Power-transmission system. No. 1,250,687; Dec. 18; v. 245; p. 729.
- Smith, William H., Cleveland, Ohio. Faucet. No. 1,218,962; Mar. 13; v. 236; p. 412.
- Smith, William H., Cleveland, Ohio. Venting device. No. 1,242,613; Oct. 9; v. 243; p. 406.
- Smith, William H., Pasadena, Cal. Bit for boring square holes. No. 1,241,294; Sept. 25; v. 242; p. 912.
- Smith, William H. C., Philadelphia, Pa. Evaporator. No. 1,246,824; Nov. 13; v. 244; p. 532.
- Smith, William J., New Haven, Conn. Micrometer-gage. No. 1,217,850; Feb. 27; v. 235; p. 1310.
- Smith, William J., New York, N. Y. Attachment for guitars. No. 1,223,744; Apr. 24; v. 237; p. 1063.
- Smith, William J., New York, N. Y., assignor to Edwards & Company. Electric bell. No. 1,216,743; Feb. 20; v. 235; p. 884.
- Smith, William J., assignor to Waterbury Clock Co., Waterbury, Conn. Keyless clock. No. 1,226,402; May 15; v. 238; p. 881.
- Smith, William L., Tuscumbia, Ala. Steam-engine valve-gear. No. 1,217,648; Feb. 27; v. 235; p. 1243.
- Smith, William L., Tuscumbia, Ala. Valve-gear. No. 1,249,534; Dec. 11; v. 245; p. 350.
- Smith, William L., Wheatland, N. D. Lamp-supporting bracket. No. 1,241,295; Sept. 25; v. 242; p. 913.
- Smith, William M., Evansville, assignor of one-half to C. C. Billingsley, Gibson, Ind. Hose-coupling. No. 1,247,464; Nov. 20; v. 244; p. 753.
- Smith, William N., Chicago, Ill. Tractor-truck. No. 1,222,335; Apr. 10; v. 237; p. 499.
- Smith, William R., Buffalo, N. Y. Apparatus for treating metallic ores. No. 1,249,226; Dec. 4; v. 245; p. 231.
- Smith, William R., York, Pa. Method and means for controlling the flow in fluid-conduit systems. No. 1,249,227; Dec. 4; v. 245; p. 231.
- Smith, William S., Cambridge, Mass. Alternating-current magnet. No. 1,222,900; Apr. 17; v. 237; p. 737.
- Smith, William S., Cambridge, Mass. Controlling system for electric elevators. No. 1,228,075; May 29; v. 238; p. 1510.
- Smith, William S., Cambridge, Mass. Controlling system for electric elevators. No. 1,249,682; Dec. 11; v. 245; p. 392.
- Smith, William T., Bolton, England. Machine for drawing and spinning short fibers. No. 1,215,211; Feb. 6; v. 235; p. 254.
- Smith, William T., Rogersville, Mo. Mail-bag-receiving apparatus. No. 1,242,381; Oct. 9; v. 243; p. 329.
- Smith, William W., Hawthorne, Cal. Automatic moisture and ventilation regulator for incubators. No. 1,224,336; May 1; v. 238; p. 80.
- Smith, Willis J., St. Olaf, assignor of one-half to J. J. Tayek, Froelich, Iowa. Combined rail brace and tie. No. 1,212,827; Jan. 16; v. 234; p. 912.
- Smiley, Marvin, Lawrenceville, Va. Speedometer. No. 1,211,253; Jan. 2; v. 234; p. 303.
- Smithson, John T., Hopkinsville, Ky. Vise. No. 1,226,715; May 22; v. 238; p. 1020.
- Smock, Charles, *et al.* (See Olsen, Alfred N., assignor.)
- Smock, Edwin N. (See Burmeister and Smock.)
- Smock, Harry W., Asbury Park, N. J. Trenching-tool. No. 1,245,811; Nov. 6; v. 244; p. 203.
- Smock, Harry W., Asbury Park, N. J. Trenching-tool. No. 1,245,812; Nov. 6; v. 244; p. 204.
- Smoczynski, Roman C., Catawissa, Pa. Blocks for portable machinery. No. 1,250,374; Dec. 18; v. 245; p. 635.
- Smoldone, Daniel. (See Pecora and Smoldone.)
- Smolen, Louis, Chicago, Ill. Spring-wheel. No. 1,210,998; Jan. 2; v. 234; p. 215.
- Smolensky, Michael, Cleveland, Ohio. Check-valve. No. 1,222,154; Apr. 10; v. 237; p. 435.
- Smolick, Jeremiah A., Honolulu, Hawaii. Indicating and salvaging device for submarine boats. No. 1,243,997; Oct. 23; v. 243; p. 900.

- Smolik, Mathias, Pittsburgh, Pa. Clothes-line stretcher. No. 1,249,228; Dec. 4; v. 245; p. 232.
- Smolik, Mathias, Pittsburgh, Pa., assignor to Economy Specialties Company. Line-holder. No. 1,223,908; Apr. 24; v. 237; p. 1119.
- Smolik, Mathias, assignor of one-half to F. Klousnitzer and one-half to K. A. Primser, Pittsburgh, Pa. Figure toy. No. 1,210,999; Jan. 2; v. 234; p. 215.
- Smoot, Charles H., New York, N. Y. Counter-current interchanger. No. 1,238,053; Aug. 21; v. 241; p. 879.
- Smoot, Charles H., assignor to Rateau, Battu, Smoot Company, New York, N. Y. Centrifugal blower. No. 1,218,223; Mar. 6; v. 236; p. 117.
- Smulski, Edward, Brookline, Mass. Reinforced concrete construction. No. 1,223,529; Apr. 24; v. 237; p. 987.
- Smulski, Edward, Brookline, Mass. Concrete-reinforcing means. No. 1,245,395; Nov. 6; v. 244; p. 75.
- Smulski, Theodore J., Milwaukee, Wis., assignor to G. A. Schanze, Cleveland, Ohio. Shaft-coupling. No. 1,245,813; Nov. 6; v. 244; p. 204.
- Smyly, Arthur L., Chicago, Ill. Fluid safety-valve. No. 1,243,998; Oct. 23; v. 243; p. 900.
- Smyrk, William A., London, England. Picture rail and hook. No. 1,220,021; Mar. 20; v. 236; p. 808.
- Smyrski, Carl, and J. Lorenc, Philadelphia, Pa. Torpedo-protecting device for ships. No. 1,248,940; Dec. 4; v. 245; p. 150.
- Smyser, Louis B., assignor to A. M. Kennedy, Philadelphia, Pa. Car-fender. No. 1,237,833; Aug. 21; v. 241; p. 810.
- Smyth, Herbert C. H., London, England. Governor for electric-lighting generators for motor-cars. No. 1,213,702; Jan. 23; v. 234; p. 1249.
- Smyth, John H., Bridgeburg, Ontario, Canada. Propeller for aircraft. No. 1,243,885; Oct. 23; v. 243; p. 868.
- Smyth, Joseph E. (See Pagliarui, Joseph, assignor.)
- Smyth Manufacturing Company, The. (See Gourley, James C., assignor.)
- Smyth Manufacturing Company, The. (See Reynolds, John R., assignor.)
- Smythe, Edwin H., Chicago, Ill., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,227,010; May 22; v. 238; p. 1123.
- Smythe, Horace E. (See Taylor, Arthur S., assignor.)
- Smythe, Horace E., assignor to The S. R. Smythe Company, Pittsburgh, Pa. Regenerative furnace. No. 1,222,690; Apr. 17; v. 237; p. 666.
- Smythe, Horace E., assignor to The S. R. Smythe Company, Pittsburgh, Pa. Checker-work for regenerative furnaces, hot-blast stoves, and the like. No. 1,242,614; Oct. 9; v. 243; p. 406.
- Smythe, William F., New York, N. Y. Collapsible drinking-cup. No. 1,228,706; June 5; v. 239; p. 113.
- Snadecki, William J., South Boston, Va., assignor to R. Crane, Washington, D. C. Valve-lifting mechanism. No. 1,246,343; Nov. 13; v. 244; p. 389.
- Snapp, Elmer J., Strasburg, Va. Match-safe. No. 1,217,649; Feb. 27; v. 235; p. 1244.
- Snapp, Robert W., assignor of one-half to C. S. Edmunds, Petersburg, Va. Connecting device for switch-points. No. 1,230,047; June 12; v. 239; p. 607.
- Snead & Co. Iron Works, The. (See Macdonald, Harry P. and A. S., assignors.)
- Snead, Vincent B., Wichita, Kans. Sewing-machine. No. 1,246,794; Nov. 13; v. 244; p. 524.
- Snead, Vincent B., Wichita, Kans. Sewing-machine. No. 1,246,795; Nov. 13; v. 244; p. 524.
- Snedecor, John R., Blue Point, and W. L. Mantha, Bayport, N. Y. Gun-stock. No. 1,248,029; Nov. 27; v. 244; p. 947.
- Snedeker, James W., Adrian, Mich. Fabric. No. 1,243,352; Oct. 16; v. 243; p. 669.
- Snedeker, James W., Adrian, Mich. Open-mesh-fabric-making machine. No. 1,243,353; Oct. 16; v. 243; p. 669.
- Snediker, Morton O., assignor to Powers Regulator Company, Chicago, Ill. Thermostatic steam and hot-water mixer. No. 1,243,999; Oct. 23; v. 243; p. 901.
- Sneider, Charles O., Ripley, Ohio. Traction device for vehicle-wheels. No. 1,251,435; Dec. 25; v. 245; p. 999.
- Snell, Harry B., South Bend, Ind. Shock-absorber. No. 1,230,938; June 26; v. 239; p. 981.
- Snell, Lyle K., assignor to Cadillac Motor Car Company, Detroit, Mich. Ventilator for automobile-bodies. No. 1,218,708; Mar. 13; v. 236; p. 321.
- Snell, Lyle K., assignor to Cadillac Motor Car Company, Detroit, Mich. Hood construction. No. 1,226,269; May 15; v. 238; p. 839.
- Snell, Lyle K., assignor to Cadillac Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,239,133; Sept. 4; v. 242; p. 133.
- Snell, Lyle K., and C. F. Johnson, assignors to Cadillac Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,244,651; Oct. 30; v. 243; p. 1135.
- Snelling, John C., Wandsworth, London, England. Launching of boats from ships. No. 1,216,868; Feb. 20; v. 235; p. 926.
- Snelling, John H., East Orange, N. J. Windlass. No. 1,246,669; Nov. 13; v. 244; p. 451.
- Snelling, Walter O., Pittsburgh, Pa. Process and apparatus for making carbon-black. No. 1,213,915; Jan. 30; v. 234; p. 1352.
- Snelling, Walter O., Pittsburgh, Pa. Sealing-wax. No. 1,239,629; Sept. 11; v. 242; p. 318.
- Snelling, Walter O., Pittsburgh, Pa., assignor of fifty-one one-hundredths to J. T. Miliken, St. Louis, Mo. Purifying oils. No. 1,215,732; Feb. 13; v. 235; p. 474.
- Snider, Charles M., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Sprocket-wheel. No. 1,244,383; Oct. 23; v. 243; p. 1015.
- Snider, Charles M., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Sprocket-wheel. No. 1,244,384; Oct. 23; v. 243; p. 1015.
- Snider, Clarence A., Indianapolis, Ind. Tape-measure attachment. No. 1,238,841; Sept. 4; v. 242; p. 39.
- Snider, Otto G., Muncie, Ind. Weed-cutter. No. 1,219,875; Mar. 20; v. 236; p. 758.
- Snigo, James J., Pittsburgh, Pa. Receptacle. No. 1,216,869; Feb. 20; v. 235; p. 926.
- Snigo, James J., Pittsburgh, Pa. Antiskidding device for pneumatic tires. No. 1,216,870; Feb. 20; v. 235; p. 927.
- Snipes, William E., Roxboro, N. C. Engine-starter. No. 1,225,879; May 15; v. 238; p. 701.
- Snively, Florentine L., Dunnville, Ontario, Canada. Lifting-jack for automobiles. No. 1,227,973; May 29; v. 238; p. 1476.
- Snively, Lawrence E., Jr., Glenside, Pa. Tire-clamp. No. 1,226,270; May 15; v. 238; p. 839.
- Snoddy, James A. (See Campbell, David W., assignor.)
- Snodgrass, Donald G. (See Turpin and Snodgrass.)
- Snook, Henry J., Atolia, Cal. Fire-escape apparatus. No. 1,238,588; Aug. 28; v. 241; p. 1088.
- Snook, Homer C., Philadelphia, Pa. X-ray system. No. 1,233,137; July 10; v. 240; p. 561.
- Snook, Homer C., Oak Park, Ill. High-tension rectifying apparatus. No. 1,251,126; Dec. 25; v. 245; p. 908.
- Snook, Homer C., Cynwyd, and E. W. Kelly, Philadelphia, Pa. Vacuum regulation. No. 1,247,027; Nov. 20; v. 244; p. 627.
- Snover, Edward S., Toledo, Ohio. Loom-fastener. No. 1,224,227; May 1; v. 238; p. 40.
- Snow, Charles J., Redwood City, Cal. Condenser. No. 1,233,138; July 10; v. 240; p. 561.
- Snow, Clyde H., Sr., Mason, Mich. Silo construction. No. 1,210,716; Jan. 2; v. 234; p. 118.
- Snow, Clyde H., Sr., Onondaga, Mich. Metal silo. No. 1,210,717; Jan. 2; v. 234; p. 118.
- Snow, Clyde H., Sr., Aurelin, Mich. Roof and cap for silos. No. 1,210,718; Jan. 2; v. 234; p. 118.
- Snow, George B., Long Beach, Cal. Condyle-indicator. No. 1,211,254; Jan. 2; v. 234; p. 303.
- Snow, Henry M., London, England. Coin-fed delivery apparatus. No. 1,248,190; Nov. 27; v. 244; p. 993.
- Snow, Isaac, Lawrence, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Transferer for automatic filling-replenishing looms. No. 1,214,384; Jan. 30; v. 234; p. 1515.
- Snow, Isaac, Lawrence, assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Shuttle-feeler for looms. No. 1,230,439; June 19; v. 239; p. 776.
- Snow, Joseph C., Brockton, Mass. Direction-signal for automobiles. No. 1,249,229; Dec. 4; v. 245; p. 232.
- Snow, Ralph K., and A. B. Perdue, Los Angeles, Cal. Moving-picture apparatus. No. 1,231,958; July 3; v. 240; p. 141.
- Snow, Ralph K., and A. B. Perdue, Los Angeles, Cal. Moving-picture apparatus. No. 1,249,230; Dec. 4; v. 245; p. 233.
- Snow, Walter H., Arcadia, Fla. Operating mechanism for wire-stretchers. No. 1,236,616; Aug. 14; v. 241; p. 382.
- Snow, Wilbur H. (See Gleason, Stewart, and Snow.)
- Snowden, Austin J. F., assignor of one-half to F. Shideler, Huntington, Ind. Automatic lamp-turner. No. 1,248,191; Nov. 27; v. 244; p. 993.
- Snowden, William T., Toronto, Ohio. Combustion-facilitating device for internal-combustion engines. No. 1,238,450; Aug. 28; v. 241; p. 1043.
- Snudden, James H., Bothell, Wash. Wind-shield cleaner. No. 1,249,683; Dec. 11; v. 245; p. 393.
- Snyder, Arthur M., Fairfield, Iowa. Bottle-carrier. No. 1,225,069; May 8; v. 238; p. 385.
- Snyder, August Z., Turtle Creek, Pa. Bucket-handle. No. 1,226,403; May 15; v. 238; p. 882.
- Snyder, August Z., Turtle Creek, Pa. Necktie-tying device. No. 1,235,390; July 31; v. 240; p. 1382.
- Snyder, Benjamin, assignor to J. Wolf, New York, N. Y. Permutation-lock. No. 1,251,436; Dec. 25; v. 245; p. 999.
- Snyder, Charles P., assignor of three-hundred and forty-three six-hundredths to H. A. Bird, T. J. Camp, S. Geist, M. Bloom, T. H. Tiddy, H. O. Moser, and P. A. Vought, Mount Carmel, Pa. Transmission mechanism. No. 1,244,557; Oct. 30; v. 243; p. 1108.
- Snyder, Daniel H., Snyderville, Ohio. Railway-tie. No. 1,233,413; July 17; v. 240; p. 687.
- Snyder, Daniel H., Snyderville, Ohio. Tie for rails. No. 1,247,028; Nov. 20; v. 244; p. 628.
- Snyder, Edgar W., Los Angeles, Cal. Chewing-gum. No. 1,239,313; Sept. 4; v. 242; p. 190.
- Snyder, Edgar W., Los Angeles, and J. D. Crawford, San Francisco, Cal.; said Crawford assignor to said Snyder. Apparatus for treating the ocotillo-plant for extracting gum therefrom. No. 1,240,894; Sept. 25; v. 242; p. 784.

Alphabetical list of patentees—Continued.

- Snyder, Edward H., Port Kennedy, Pa. Valve. No. 1,250,041; Dec. 11; v. 245; p. 496.
- Snyder, Erle B., Cleveland, assignor of one-half to F. J. Ketcher, Akron, Ohio. Feeding mechanism. No. 1,217,650; Feb. 27; v. 235; p. 1244.
- Snyder, Floyd E., and L. B. Cotterman, Indianapolis, Ind. Petcock. No. 1,250,237; Dec. 18; v. 245; p. 594.
- Snyder, George C., New York, N. Y. Pucker-removing mechanism. No. 1,217,521; Feb. 27; v. 235; p. 1198.
- Snyder, George W., assignor to Swartz Electric Co., Indianapolis, Ind. Internal-combustion-engine control. No. 1,217,355; Feb. 27; v. 235; p. 1137.
- Snyder, Howard F., assignor to The Maytag Company, Newton, Iowa. Transmission mechanism. No. 1,218,812; Mar. 13; v. 236; p. 361.
- Snyder, Jacob R., assignor to Pittsburgh Air Brake Company, Pittsburgh, Pa. Triple valve. No. 1,212,828; Jan. 16; v. 234; p. 912.
- Snyder, Jacob R., assignor to Pittsburgh Air Brake Company, Pittsburgh, Pa. Air-brake-control valve. No. 1,212,829; Jan. 16; v. 234; p. 913.
- Snyder, Jacob R., assignor to Pittsburgh Air-Brake Company, Pittsburgh, Pa. Engineer's valve. No. 1,231,082; June 26; v. 239; p. 1031.
- Snyder, Jacob R., assignor to Pittsburgh Air Brake Company, Pittsburgh, Pa. Triple valve. No. 1,248,737; Dec. 4; v. 245; p. 92.
- Snyder, Jacob R., assignor to Pittsburgh Air Brake Company, Pittsburgh, Pa. Locomotive and tender distributing-valve. No. 1,250,688; Dec. 18; v. 245; p. 729.
- Snyder, Jacob R., assignor to P. E. Donner, Pittsburgh, Pa. Steam-engine reversing-gear. No. 1,212,830; Jan. 16; v. 234; p. 914.
- Snyder, Jacob R., assignor to P. E. Donner, Pittsburgh, Pa. Steam-engine reversing-gear. No. 1,214,965; Feb. 6; v. 235; p. 169.
- Snyder, Jacob R., assignor to P. E. Donner, Pittsburgh, Pa. Air-brake system. No. 1,231,081; June 26; v. 239; p. 1031.
- Snyder, Jacob R., assignor to P. E. Donner, Pittsburgh, Pa. Triple valve. No. 1,231,214; June 26; v. 239; p. 1076.
- Snyder, John G., New York, N. Y. Railway-tie and fastener. No. 1,227,083; May 22; v. 238; p. 1148.
- Snyder, John J., assignor to H. Royer, Chicago, Ill. Liner for type-writers. No. 1,218,709; Mar. 13; v. 236; p. 322.
- Snyder, Parke T., Chicago, Ill. Demountable wheel. No. 1,243,773; Oct. 23; v. 243; p. 832.
- Snyder, Parke T., assignor of one-half to R. J. Beatty, Chicago, Ill. Automatically-controlled fan. No. 1,233,518; July 17; v. 240; p. 722.
- Snyder, Perry E., Angola, Ind. Locking device for steering-wheels. No. 1,216,871; Feb. 20; v. 235; p. 927.
- Snyder, Saul S., Columbus, Ohio. Metallic railway-tie. No. 1,222,811; Apr. 17; v. 237; p. 707.
- Snyder, Thomas R., assignor of one-fourth to W. H. Werley, Barborton, Ohio. Tire-rim detacher. No. 1,227,011; May 22; v. 238; p. 1124.
- Snyder, William T., Burns, N. Y. Fountain-brush. No. 1,237,567; Aug. 21; v. 241; p. 726.
- Soane, Charles E., assignor of one-half to Usher-Walker, Limited, London, England. Resilient composition for printers' rollers. No. 1,223,745; Apr. 24; v. 237; p. 1063.
- Soane, Charles E., Hornsey, London, assignor of one-half to Usher-Walker Limited, London, England. Resilient composition for printers' rollers. No. 1,239,630; Sept. 11; v. 242; p. 318.
- Soans, Cyril A., Chicago, Ill. Drying-frame. No. 1,237,967; Aug. 21; v. 241; p. 852.
- Soap Works Equipment Company, (See Young, De Nard W. E., assignor.)
- Sobala, Martin. (See Kolisek and Sobala.)
- Sobanski, Joseph, Chicago, Ill. Clothes-mangle. No. 1,234,503; July 24; v. 240; p. 1077.
- Sobeck, August, Chicago, Ill. Device for separating the whites and yolks of eggs. No. 1,214,720; Feb. 6; v. 235; p. 84.
- Sobilo, John, Meadville, Pa. Caster. No. 1,222,045; Apr. 10; v. 237; p. 396.
- Sobolewski, Joseph. (See Zemoflet, Fabian, assignor.)
- Sobra, Marguerite L., New York, N. Y. Adjustable bust-waist. No. 1,210,563; Jan. 2; v. 234; p. 166.
- Sobraske, Martin J., Minneapolis, Minn. Tube-testing device. No. 1,222,817; Apr. 17; v. 237; p. 709.
- Sochurek, Frank, Jr. (See Beutlich and Sochurek.)
- Società Anonima Fiat-San Giorgio. (See Laurenti, Cesare, assignor.)
- Società Anonima Italiana Gio. Ansaldo & C. (See Perrone, Pio, assignor.)
- Società Fiat-San Giorgio. (See Laurenti, Cesare, assignor.)
- Société Anonyme Anciens Etablissements Sautter-Harlé. (See Seng, Joseph A., assignor.)
- Société Anonyme Des Engrenages Citroen. (See Citroen, André, assignor.)
- Société Anonyme Des Etablissements Delaunay-Belleville. (See Bourdelles, Emile A. L., assignor.)
- Société Anonyme Des Etablissements Delaunay Belleville. (See Canhaac, Georges E., assignor.)
- Société Anonyme des Etablissements Delaunay-Belleville. (See Radiguer, Charles, assignor.)
- Société Anonyme Des Etablissements L. Blieriot. (See Bossu, Pierre, assignor.)
- Société Anonyme des Etablissements Lejeune & H. Michel-Lévy. (See Michel-Lévy, Henri, assignor.)
- Société anonyme du Carburateur Zenith. (See Heftler, Victor R., assignor.)
- Société Anonyme Pour L'Exploitation Des Procédés Westinghouse-Leblanc. (See Leblanc, Maurice, assignor.)
- Société Chimique Des Usines Du Rhone Anciennement Gilliard P. Monnet et Cartier. (See Koetschet and Theumann, assignors.)
- Société Clerget Blin & Cie. (See Clerget, Pierre, assignor.)
- Société d'Electricité Mors. (See Gulchard, Marcel, assignor.)
- Société D'Emboutissage et de Constructions Mécaniques. (See Amiot, Felix, assignor.)
- Société de Lavandeyra & Orner. (See Forgues, Charles, assignor.)
- Société des Etablissements Gaumont. (See Gaumont, Léon, assignor.)
- Société Des Etablissements Malicet & Blin. (See Guillery, René, assignor.)
- Société Des Moteurs Salmson (Système Canton-Unne.) (See Salmson, Emile J. J., assignor.)
- Société E. Cottard & Cie. (See Cottard, Edouard, assignor.)
- Société Electro-Metallurgique De St. Bèron. (See Nolly, Hector de, assignor.)
- Société Générale des Nitrures. (See Serpek, Ottokar, assignor.)
- Société Générale Meulière. (See Boutard, Louis, assignor.)
- Société H. Parr & Cie. (See Parra, Henri, assignor.)
- Société Harle & Cie. (See Matricardi, Giuseppe, assignor.)
- Société L'Air Liquide (Société Anonyme Pour L'Etude Et L'Exploitation Des Procédés Georges Claude). (See Claude, Georges, assignor.)
- Société Les Fils de A. Piat & Cie. (See Thomas, Léon, assignor.)
- Société Lorraine Des Anciens Etablissements De Dietrich & Cie De Luneville. (See Barbarou, Marius J. B., assignor.)
- Société Lorraine Des Anciens Etablissements De Dietrich & Cie De Luneville. (See Maire, Auguste, assignor.)
- Société Maurice et Pierre Collet et Cie. (See Collet, Albert, assignor.)
- Society of Chemical Industry in Basle. (See Anderwert and Schobel, assignors.)
- Society of Chemical Industry in Basle. (See Anderwert, Fritzsché and Schobel, assignors.)
- Society of Chemical Industry in Basle. (See Engi, Gadiant, assignor.)
- Society of Chemical Industry in Basle. (See Engi and Jagerspacher, assignors.)
- Society of Chemical Industry in Basle. (See Engi, Grob, and Straub, assignors.)
- Society of Chemical Industry in Basle. (See Engi, Grob, and Würzler, assignors.)
- Society of Chemical Industry in Basle. (See Fonio and Föhrenbach, assignors.)
- Society of Chemical Industry in Basle. (See Funcke and Jagerspacher, assignors.)
- Society of Chemical Industry in Basle. (See Gams, Alfons, assignor.)
- Society of Chemical Industry in Basle. (See Gams and Schreiber, assignors.)
- Society of Chemical Industry in Basle. (See Hüsey and Hartmann, assignors.)
- Society of Chemical Industry in Basle. (See Jagerspacher, Carl, assignor.)
- Society of Chemical Industry in Basle. (See Jagerspacher and Wuth, assignors.)
- Society of Chemical Industry in Basle. (See Piguet, Alfred, assignor.)
- Society of Chemical Industry in Basle. (See Piguet, Steinbuch, and Stocker.)
- Society of Chemical Industry in Basle. (See Wuth and Jagerspacher, assignors.)
- Society of Chemical Industry in Basle. (See Wuth, Mayer, Jagerspacher, and Anderwert, assignors.)
- Society "Spad Société Anonyme pour l'Aviation et ses Dérivés." (See Bécheureau, Louis, assignor.)
- Sockwell, Charles L., Northwillesboro, N. C. Lock-lever for thrust-screws. No. 1,251,299; Dec. 25; v. 245; p. 959.
- Sodemann, William, St. Louis, Mo. Roof-ventilator. No. 1,235,609; Aug. 7; v. 241; p. 26.
- Södervall, Carl F., Kilsmo, and H. Helin, Skärblacka, Sweden. Producing porous materials. No. 1,235,071; July 31; v. 240; p. 1287.
- Soehnelein, George A., Brooklyn, N. Y. Portable electric light. No. 1,237,112; Aug. 14; v. 241; p. 544.
- Soengen, Gerald W., Kirkwood, Mo. Electric conducting ground-rod. No. 1,243,774; Oct. 23; v. 243; p. 832.
- Soens, Mathew, Streator, Ill. Sole-stitching machine. No. 1,215,733; Feb. 13; v. 235; p. 474.
- Sohn, Charles E., assignor of one-half to Usher-Walker, Limited, London, England. Resilient composition for printers' rollers. No. 1,215,886; Feb. 13; v. 235; p. 529.
- Sohn, Irvin, et al. (See Lester, Charles, assignor.)

- Sohn, John J., Roseville, Cal. Sheet-music turner. No. 1,234,404; July 24; v. 240; p. 1045.
- Sohn, Philip L., *et al.* (See Lester, Charles, assignor.)
- Sohon, Michael D., New York, N. Y. Effervescent compound. No. 1,228,252; May 29; v. 238; p. 1556.
- Soininen, Kustaa E., assignor of one-third to M. E. Juopari, Brooklyn, N. Y. Harrow. No. 1,233,139; July 10; v. 240; p. 562.
- Sokoloff, Boris N., Ridgefield Park, N. J., assignor to T. A. Gillespie Company, Detonating fuse. No. 1,221,102; Apr. 3; v. 237; p. 34.
- Sokolov, Jacob, New York, N. Y. Door-lock. No. 1,227,684; May 29; v. 238; p. 1376.
- Sokolov, Jacob, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,220,233; Mar. 27; v. 236; p. 939.
- Sokolowski, Charles, Elizabeth, N. J. Torpedo-guard for vessels. No. 1,249,844; Dec. 11; v. 245; p. 441.
- Solaini, Peter, New York, N. Y. Lock. No. 1,224,228; May 1; v. 238; p. 40.
- Solari, A. G., *et al.* (See Cowgill, Orph W., assignor.)
- Solaro del Borgo, Britannio, Paris, France. Night-sight for firearms. No. 1,225,592; May 8; v. 238; p. 563.
- Sole, William C., Sullivan, Ind. Pitman for drilling-machines. No. 1,245,051; Oct. 30; v. 243; p. 1255.
- Solel, John W. (See Llewellyn, Nelson, assignor.)
- Solem, Adolph, Duluth, Minn., assignor of one-half to L. Solem. Metal weather-strip. No. 1,221,001; Mar. 27; v. 236; p. 1185.
- Solem, Ludvik. (See Solem, Adolph, assignor.)
- Solem, Ludvik, Duluth, Minn. Bottle-holder. No. 1,228,612; June 5; v. 239; p. 81.
- Solemink, Lloyd B., San Francisco, Cal. Fountain drafting-pen. No. 1,242,062; Oct. 2; v. 243; p. 188.
- Solenberger, Levi G., Chambersburg, Pa. Stamping device. No. 1,232,990; July 10; v. 240; p. 513.
- Soley, Frank, and E. Stackhouse, assignors to Miller Lock Co., Philadelphia, Pa. Rack. No. 1,219,785; Mar. 20; v. 236; p. 726.
- Soli, Charles A. (See Soli, Charles J., assignor.)
- Soli, Charles J., assignor of one-half to C. A. Soli, Racine, Wis. Glazing. No. 1,217,356; Feb. 27; v. 235; p. 1137.
- Soliday, George, Orrville, Ohio. Stanchion. No. 1,212,701; Jan. 16; v. 234; p. 871.
- Solman, Anton, and A. Sliwinski, Pittsburgh, Pa. Trigger mechanism for automatic firearms and pistol-swords. No. 1,221,616; Apr. 3; v. 237; p. 215.
- Solod, Abraham, Worcester, Mass. Drier for drying cotton, wool, rags, &c. No. 1,238,589; Aug. 28; v. 241; p. 1088.
- Soloff, Samuel, Brooklyn, N. Y. Dental-waste receiver. No. 1,213,289; Jan. 23; v. 234; p. 1106.
- Solomon, Frank H., Pretoria, Transvaal, South Africa. Hinged steering-pillar. No. 1,230,528; June 19; v. 239; p. 806.
- Solomon, George S., assignor of one-half to Z. La Brier, Douglas, Ariz. Windmill. No. 1,234,405; July 24; v. 240; p. 1045.
- Soltesz, Samuel. (See Mike and Soltesz.)
- Solttoft, Henriette, Cleveland, Ohio. Educational appliance. No. 1,244,000; Oct. 23; v. 243; p. 901.
- Solvay Process Company, The. (See Jones and Grover, assignors.)
- Solvay Process Company, The. (See Jones and Terzlev, assignors.)
- Solvay Process Company, The. (See Jones, Grover, and Silsbee, assignors.)
- Solvay Process Company, The. (See Pennock, Jones, and Grover, assignors.)
- Solvay Process Company, The. (See Trump, Edward N., assignor.)
- Somerford, Walter W., Candelaria, Cuba. Honey-extractor. No. 1,245,283; Nov. 6; v. 244; p. 42.
- Somers, John R., Charlestown, Mass. Combination pad-lock. No. 1,245,052; Oct. 30; v. 243; p. 1256.
- Somers, John R., Charlestown, Mass. Gage. No. 1,245,130; Oct. 30; v. 243; p. 1280.
- Somers, Joseph E., Waterbury, Conn. Mold for casting brass bars. No. 1,219,180; Mar. 13; v. 236; p. 486.
- Somerville, William E., Coal City, Ill. Cable-winding machine. No. 1,218,009; Mar. 6; v. 236; p. 42.
- Somerville, William E., Coal City, Ill. Engine-testing device. No. 1,248,738; Dec. 4; v. 245; p. 92.
- Sommer, John L., Newark, N. J., assignor to J. L. Sommer Manufacturing Co. Folding shoe-horn. No. 1,242,615; Oct. 9; v. 243; p. 406.
- Sommer, Peter W., Peoria, Ill., assignor, by mesne assignments, to The First Trust and Savings Company, Cleveland, Ohio, and W. E. Stone, Peoria, Ill., trustees. Gate. No. 1,228,707; June 5; v. 239; p. 113.
- Sommer, Peter W., Peoria, Ill., assignor, by mesne assignments, to The First Trust and Savings Company, Cleveland, Ohio, and W. E. Stone, Peoria, Ill., trustees. Gate. No. 1,228,708; June 5; v. 239; p. 114.
- Sommers, Charles F., Saginaw, Mich. Machine for packing matches. No. 1,211,773; Jan. 9; v. 234; p. 511.
- Sommerville, James B., *et al.* (See Kirby, John, assignor.)
- Somogyi, Joseph, Bridgeport, assignor of one-half to G. Papp, Shelton, Conn. Toy. No. 1,247,342; Nov. 20; v. 244; p. 717.
- Sonneborn, Charles, West Pittsburgh, assignor to Pressed Metal Radiator Company, Pittsburgh, Pa. Heat-radiator. No. 1,226,128; May 15; v. 238; p. 787.
- Sonneborn, Charles, West Pittsburgh, assignor to Pressed Metal Radiator Company, Pittsburgh, Pa. Heat-radiator. No. 1,226,129; May 15; v. 238; p. 787.
- Sonneborn, Sol S., Brooklyn, N. Y. High-potential insulator. No. 1,230,610; June 19; v. 239; p. 834.
- Sonneborn, Sol S., Brooklyn, N. Y. Sectional high-potential insulator. No. 1,242,616; Oct. 9; v. 243; p. 406.
- Sonneborn, Sol S., Brooklyn, N. Y. Condenser-type suspension-insulator. No. 1,247,343; Nov. 20; v. 244; p. 718.
- Sonnenfeld, John, Lima, Ohio. Molding-flask fastener. No. 1,250,042; Dec. 11; v. 245; p. 497.
- Sons, Ernest L., Pittsburgh, Pa. Advertising device. No. 1,243,354; Oct. 16; v. 243; p. 669.
- Sons, Ernest L., assignor of one-half to S. A. Boyd, Pittsburgh, Pa. Airship. No. 1,238,451; Aug. 28; v. 241; p. 1044.
- Sons, Ernest L., assignor of one-half to S. A. Boyd and one-fourth to W. L. McCandless, Pittsburgh, Pa. Marine vessel. No. 1,224,678; May 1; v. 238; p. 200.
- Sons, Ernest L., assignor of one-half to W. L. McCandless and one-fourth to S. A. Boyd, Pittsburgh, Pa. Life-saving device. No. 1,224,679; May 1; v. 238; p. 201.
- Sonsthagen, Asbjörn, West Ealing, England. Feeding and distributing apparatus. No. 1,249,294; Dec. 4; v. 245; p. 251.
- Soons, James E., assignor of sixty one-hundredths to E. Caterson, New York, N. Y. Automatic stop for phonographs. No. 1,227,334; May 22; v. 238; p. 1230.
- Sooy, Walter E., Battle Creek, Mich. Printing-press. No. 1,235,391; July 31; v. 240; p. 1382.
- Soper, Charles A., Jr., assignor to Chicago Wholesale Saddlery & Mfg. Co., Chicago, Ill. Pack-bag for delicate instruments such as telephones. No. 1,224,510; May 1; v. 238; p. 141.
- Soper, Lewis N., Guelph, Ontario, Canada. Upright-piano action. No. 1,248,192; Nov. 27; v. 244; p. 994.
- Soper, Raymond H., assignor to Superior Seating Company, Muskegon, Mich. Chair. No. 1,217,231; Feb. 27; v. 235; p. 1094.
- Soppitt, Edward, Latrobe, Pa. Internal-combustion engine. No. 1,249,845; Dec. 11; v. 245; p. 441.
- Sopwith, Thomas, Kingston-on-Thames, England. Landing-chassis or under-carriage of aeroplanes and the like. No. 1,239,736; Sept. 11; v. 242; p. 353.
- Sopwith, Thomas O. M., Kingston-on-Thames, England. Wind-screen for use with aircraft-guns. No. 1,249,535; Dec. 11; v. 245; p. 350.
- Sorber, Alexander M., Newell, assignor to Pittsburgh Coal Washer Company, Pittsburgh, Pa. Conveyer-chain. No. 1,221,617; Apr. 3; v. 237; p. 215.
- Soren, Louis, Toronto, Ontario, Canada. Ash-sifter. No. 1,232,113; July 3; v. 240; p. 196.
- Soreng, Edgar M., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Brush for electric machinery. No. 1,226,130; May 15; v. 238; p. 787.
- Sorensen, Albert, Washington, D. C. Handle. No. 1,249,536; Dec. 11; v. 245; p. 351.
- Sorensen, Arvid C., Webster, N. D. Insulator for telegraph and telephone wires. No. 1,236,886; Aug. 14; v. 241; p. 470.
- Sorensen, Bertel P. S., Nim, assignor of one-third to M. Lauritzen, Horsens, Denmark, and one-third to P. Sorensen. Coupling device. No. 1,235,944; Aug. 7; v. 241; p. 136.
- Sorensen, Jens, Harlan, Iowa. Sales-display cabinet. No. 1,211,774; Jan. 9; v. 234; p. 511.
- Sorensen, John, Brooklyn, N. Y. Vacuum suction device. No. 1,221,103; Apr. 3; v. 237; p. 34.
- Sorensen, John, Brooklyn, N. Y. Agitator for driers. No. 1,222,691; Apr. 17; v. 237; p. 667.
- Sorensen, Joseph P., and R. Thornberg, San Francisco, Cal. Pool-table. No. 1,210,864; Jan. 2; v. 234; p. 166.
- Sorensen, Marius, Copenhagen, Denmark. Lasting boots and shoes. No. 1,224,229; May 1; v. 238; p. 40.
- Sorensen, Niels C., Chicago, Ill. Tongs. No. 1,220,899; Mar. 27; v. 236; p. 1151.
- Sorensen, Niels G., Stockholm, Sweden. Post carrying crossed threads for the supporting of crop or plants. No. 1,225,281; May 8; v. 238; p. 456.
- Sorensen, Paul, *et al.* (See Sorensen, Bertel P. S., as signor.)
- Sorensen, Peter, Wolbach, Nebr. Hen's nest. No. 1,245,053; Oct. 30; v. 243; p. 1256.
- Sorensen, Peter L., assignor to The Peerless Mfg. Co., Meriden, Conn. Pitch-pipe. No. 1,246,483; Nov. 13; v. 244; p. 432.
- Sorensen, Peter S., North Milwaukee, Wis. Reproducer for phonographs. No. 1,241,673; Oct. 2; v. 243; p. 65.
- Sorensen, Peter S., North Milwaukee, assignor of one-third to F. R. Luck and one-third to W. F. Fichfield, Milwaukee, Wis. Combination wall-bed, wardrobe, and dresser. No. 1,242,382; Oct. 9; v. 243; p. 330.
- Sorgan, Robert, New York, N. Y. Cap or cover for jars, bottles, glasses, or the like. No. 1,229,341; June 12; v. 239; p. 375.
- Soriano, Celso G. (See Buckner, Frederick I., assignor.)
- Sorley, Hartvig, Macomb, Ill. Creeper. No. 1,232,114; July 3; v. 240; p. 196.
- Sorlien, Andrew, Austin, Minn. Safety-stop for elevator-motors. No. 1,249,537; Dec. 11; v. 245; p. 351.
- Sorlien, Theodore H., Minneapolis, Minn. Camp-trailer. No. 1,235,733; Aug. 7; v. 241; p. 65.

Alphabetical list of patentees—Continued.

- Sorrells, Lemuel, Industry, Ill. Wire-stretcher. No. 1,225,189; May 8; v. 238; p. 426.
- Sortland, Engwald J., Neutral Valley, Alberta, Canada. Cattle-guard. No. 1,217,651; Feb. 27; v. 235; p. 1245.
- Sosa, August M., assignor to The American Tool Works Company, Cincinnati, Ohio. Machine-tool. No. 1,248,941; Dec. 4; v. 245; p. 150.
- Sosh, Stephen R., Mount Carmel, Pa. Nut-lock. No. 1,237,400; Aug. 21; v. 241; p. 673.
- Soss, Arthur, Seward, Nebr. Valve-operating mechanism. No. 1,218,010; Mar. 6; v. 236; p. 43.
- Soss, Charles J., assignor of one-third to H. Soss and one-third to S. Soss, New York, N. Y. Hinge. No. 1,228,981; June 5; v. 239; p. 204.
- Soss, Henry, *et al.* (See Soss, Charles J., assignor.)
- Soss, Joseph, New York, N. Y. Hinge. No. 1,228,982; June 5; v. 239; p. 204.
- Soss, Samuel, *et al.* (See Soss, Charles J., assignor.)
- Soth, Harry, Milwaukee, Wis. Toy. No. 1,249,538; Dec. 11; v. 245; p. 351.
- Souder, Artemas A., *et al.* (See Souder, Frederick H., assignor.)
- Souder, Frank P., Bridgeton, N. J. Continuous-process cooker. No. 1,215,212; Feb. 6; v. 235; p. 254.
- Souder, Frank P., Bridgeton, N. J. Can-filling machine. No. 1,243,566; Oct. 16; v. 243; p. 732.
- Souder, Frederick H., assignor of one-fourth to A. A. Souder and one-fourth to W. C. Stauffer, Lansdale, Pa. Concrete road-culvert. No. 1,213,916; Jan. 30; v. 234; p. 1353.
- Souder, Howell W. (See Souder, Robert H. and H. W.)
- Souder, Jacob J., Washington, D. C. Metallic roof for railway-cars. No. 1,215,213; Feb. 6; v. 235; p. 255.
- Souder, Robert H. and H. W., Tamaqua, Pa. Block-signal system. No. 1,215,421; Feb. 13; v. 235; p. 361.
- Souders, Addison J., assignor of one-half to J. E. Ross, Cornwall, Ontario, Canada. Shade-roller. No. 1,230,611; June 19; v. 239; p. 835.
- Souers, William A., Johnston City, Ill. Automatic water-valve. No. 1,213,033; Jan. 16; v. 234; p. 985.
- Soulé, Byron A., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. No. 1,243,686; Oct. 23; v. 243; p. 868.
- Sourber, Earl J., Pottsville, Pa. Valve-lifting device. No. 1,242,733; Oct. 9; v. 243; p. 443.
- South Carolina Cotton Picker Company. (See Neil, Joseph B., assignor.)
- South, Jerome J., Memphis, Tenn. Convertible chair. No. 1,238,354; Aug. 28; v. 241; p. 1012.
- South, Jerome J., Memphis, Tenn. Convertible chair. No. 1,238,452; Aug. 28; v. 241; p. 1044.
- South, Jerome J., Memphis, Tenn. Window-shade adjuster. No. 1,250,043; Dec. 11; v. 245; p. 497.
- South Side Trust Company, trustee. (See Herr, Henry C., assignor.)
- Souther, Joseph W., San Francisco, Cal. Shipping-jack. No. 1,228,983; June 5; v. 239; p. 205.
- Souther, Joseph W., San Francisco, Cal. Shipping-jack. No. 1,242,617; Oct. 9; v. 243; p. 407.
- Southern Cotton Oil Company, The. (See Whitaker, Milton C., assignor.)
- Southern Electro-Chemical Company. (See Hechenbleikner, Ingenuin, assignor.)
- Southern Electro-Chemical Company. (See Pfachler and Hechenbleikner, assignors.)
- Southern Well Works Company. (See Howard, Henry F., assignor.)
- Southern Well Works Company. (See Kibele, Eugene, assignor.)
- Southern, William, Nanaimo, British Columbia, Canada. Signal-director for vehicles. No. 1,232,115; July 3; v. 240; p. 196.
- Southgate, George T., Brooklyn, N. Y. Sectional cement telegraph-pole. No. 1,244,652; Oct. 30; v. 243; p. 1135.
- Southland, Benjamin H., assignor of one-half to E. J. Williams, Sherman, Cal. Wire-stretcher. No. 1,242,063; Oct. 2; v. 243; p. 189.
- Southwick, Lawrence P. (See Fogde and Southwick.)
- Southwick, Mary E., Kellogg, Idaho. Rolling-pin. No. 1,247,162; Nov. 20; v. 244; p. 667.
- Southwick, Plin C., Sandwich, Ill. Baling-press. No. 1,213,551; Jan. 23; v. 234; p. 1199.
- Southwick, Plin C., assignor to Sandwich Manufacturing Co., Sandwich, Ill. Portable elevator and wagon-dump. No. 1,212,273; Jan. 16; v. 234; p. 718.
- Southwick, William S., Clinton, assignor to Clinton Wire Cloth Company, Boston, Mass. Loom. No. 1,214,966; Feb. 6; v. 235; p. 170.
- Southwick, William S., Clinton, assignor to Clinton Wire Cloth Company, Boston, Mass. Loom. No. 1,218,710; Mar. 13; v. 236; p. 322.
- Southworth Company. (See Scott, Frank O., assignor.)
- Southworth Machine Company. (See Cobb, Elmer M., assignor.)
- Souvielle, Elisa M., Jacksonville, Fla. Windmill. No. 1,246,484; Nov. 13; v. 244; p. 432.
- Sowden, Charles N., Toronto, Ontario, Canada. Reducing-valve. No. 1,216,872; Feb. 20; v. 235; p. 927.
- Sowell, E. E. (See Sowell, John A., assignor.)
- Sowell, Ernest E. (See Sowell, John A. and E. E.)
- Sowell, John A., assignor of one-half to E. E. Sowell, Sacramento, Cal. Circle-line-wave double disk record for sound-producing machines. No. 1,247,163; Nov. 20; v. 244; p. 668.
- Sowell, John A. and E. E., Sacramento, Cal. Grease-cup. No. 1,219,599; Mar. 20; v. 236; p. 662.
- Sowers, Forrest S., Oak Park, Ill. Household implement. No. 1,213,034; Jan. 16; v. 234; p. 985.
- Space-Marker Company. (See Garmon, Daniel W., assignor.)
- Spade, Henry E., Richmond, Mich., assignor, by mesne assignments, to Arvac Manufacturing Co., Chicago, Ill. Universal joint. No. 1,216,508; Feb. 20; v. 235; p. 803.
- Spade, Herbert O., Kalamazoo, Mich. Tool-holder for lathes and like machines. No. 1,229,802; June 12; v. 239; p. 530.
- Spahr, George W., Sacramento, Cal. Head-rest for barbers' chairs. No. 1,217,652; Feb. 27; v. 235; p. 1245.
- Spahr, Harry M., Baltimore, Md. Soil-tester. No. 1,229,803; June 12; v. 239; p. 530.
- Spahr, Otto, Philadelphia, Pa. Self-heating sad-iron. No. 1,237,568; Aug. 21; v. 241; p. 726.
- Spahr, Otto, assignor to Strause Gas Iron Co., Philadelphia, Pa. Gas-burner. No. 1,242,487; Oct. 9; v. 243; p. 363.
- Spaht, Albert W., and G. R. Jacobs, Christopher, Ill. Keeper for mine-cars. No. 1,249,231; Dec. 4; v. 245; p. 233.
- Spain, John J. and W. L., assignors of one-third to J. A. Knott, Winnipeg, Manitoba, Canada. Differential appliance. No. 1,236,222; Aug. 7; v. 241; p. 224.
- Spain, Walter L. (See Spain, John J. and W. L.)
- Spaleck, Max, Greiz, assignor to Firm of O. Spaleck, Greiz, Germany. Heddle-frame of looms. No. 1,223,435; Apr. 24; v. 237; p. 952.
- Spaleck, Firm of Otto. (See Spaleck, Max, assignor.)
- Spaleck, Paul, Dessau, assignor to H. Junkers, Aachen, Germany. Gas-consumption regulator. No. 1,243,454; Oct. 16; v. 243; p. 698.
- Spaney, Alfred, Piermont, N. Y. Brooch. No. 1,246,670; Nov. 13; v. 244; p. 487.
- Spangelo, Albert N., Thornhill, Manitoba, Canada. Weed and seed destroyer. No. 1,235,392; July 31; v. 240; p. 1382.
- Spangler, Charles H., assignor of one-half to C. C. Long, Reading, Pa. Current-limiter. No. 1,215,422; Feb. 13; v. 235; p. 361.
- Spangler, Charles H., assignor of one-half to C. C. Long, Reading, Pa. Current-limiter. No. 1,215,423; Feb. 13; v. 235; p. 361.
- Spangler, Charles H., assignor of one-half to C. C. Long, Reading, Pa. Reverse-phase safety-relay for motor-circuits. No. 1,222,692; Apr. 17; v. 237; p. 667.
- Spangler, Ernest L., Chicago, Ill. Garment-stay. No. 1,242,064; Oct. 2; v. 243; p. 189.
- Spangler, Harry W., Allentown, Pa. Bottle-closure. No. 1,239,836; Sept. 11; v. 242; p. 385.
- Spangler, John H., assignor of one-half to J. A. Nelson, Minneapolis, Minn. Egg-shipping case. No. 1,226,823; May 22; v. 238; p. 1058.
- Spanjer, John H. (See Tucker, Wilson H., assignor.)
- Spannagel, Carl, Berlin, Germany. Warp-beam motion for looms. No. 1,231,306; June 26; v. 239; p. 1106.
- Spar Chemical Company, The. (See Bassett, Harry P., assignor.)
- Sparboom, Walter P., Rochester, N. Y. Blower for cleaning furnace-flues. No. 1,229,539; June 12; v. 239; p. 442.
- Sparkes, James M., Peabody, Mass. Electric welding-machine. No. 1,228,842; June 5; v. 239; p. 160.
- Sparkes, John G., Birmingham, Ala., assignor to Keuffel & Esser Company, Hoboken, N. J. Guard for drafts-men's scales. No. 1,213,781; Jan. 23; v. 234; p. 1275.
- Sparks, Frank, *et al.* (See Johnson, Rolly A. and G., assignors.)
- Sparks, Frank S., Springfield, assignor of one-third to F. L. Walker, Dayton, Ohio. Clothes-pressing machine. No. 1,244,653; Oct. 30; v. 243; p. 1136.
- Sparks, Fred E., Bellaire, Ohio. Sash retainer and fastener. No. 1,224,799; May 1; v. 238; p. 242.
- Sparks, Lester H., assignor of forty-nine one-hundredths to J. I. Miller, Lakewood, N. J. Transmission-lock. No. 1,228,253; May 29; v. 238; p. 1566.
- Sparks, Lester H., assignor to J. I. Miller, Lakewood, N. J. Ignition cut-out and transmission-lock. No. 1,237,113; Aug. 14; v. 241; p. 544.
- Sparks, Lester H., assignor of forty-nine one-hundredths to J. I. Miller, Lakewood, N. J. Gasolene cut-out. No. 1,249,846; Dec. 11; v. 245; p. 442.
- Sparks, Rollo M., Twin Falls, Idaho. Knife and scissors sharpener. No. 1,234,945; July 31; v. 240; p. 1248.
- Sparks, Vernon C., San Francisco, Cal. Combined vaporizer and homogenizer for explosive-engines. No. 1,211,775; Jan. 9; v. 234; p. 512.
- Sparks, Walter, New York, N. Y. Cutting-tool. No. 1,219,677; Mar. 20; v. 236; p. 689.
- Sparks, William, Jackson, Mich., assignor to The Sparks-Withington Company, Cleveland, Ohio. Signal. No. 1,214,721; Feb. 6; v. 235; p. 85.
- Sparks, William, Jackson, Mich., assignor to The Sparks-Withington Company, Cleveland, Ohio. Signal. No. 1,214,722; Feb. 6; v. 235; p. 85.

- Sparks, William, assignor to The Sparks-Withington Company, Jackson, Mich. Signal. No. 1,227,084; May 22; v. 238; p. 1148.
- Sparks, William, assignor to The Sparks-Withington Company, Jackson, Mich. Signal. No. 1,227,085; May 22; v. 238; p. 1149.
- Sparks, William, Jackson, Mich., assignor, by mesne assignments, to The Sparks-Withington Company. Motor-horn. No. 1,237,717; Aug. 21; v. 241; p. 776.
- Sparks, William, Jackson, Mich., assignor to The Sparks-Withington Company. Electric push-button. No. 1,239,054; Sept. 4; v. 242; p. 107.
- Sparks, William, Jackson, Mich., assignor to The Sparks-Withington Company. Operating mechanism for signals and the like. No. 1,239,055; Sept. 4; v. 242; p. 107.
- Sparks, William, Jackson, Mich., assignor to The Sparks-Withington Company. Electric motor. No. 1,239,056; Sept. 4; v. 242; p. 107.
- Sparks, William, Jackson, Mich., assignor to The Sparks-Withington Company. Bearing for shafts. No. 1,239,057; Sept. 4; v. 242; p. 108.
- Sparks, William, Jackson, Mich., assignor to The Sparks-Withington Company. Signal. No. 1,240,156; Sept. 11; v. 242; p. 481.
- Sparks, William, Jackson, Mich., assignor to The Sparks-Withington Company. Cam mechanism. No. 1,241,674; Oct. 2; v. 243; p. 66.
- Sparks, William E., assignor to Sargent & Company, New Haven, Conn. Plane. No. 1,213,552; Jan. 23; v. 234; p. 1199.
- Sparks-Withington Company, The. (See Sparks, William, assignor.)
- Sparling, Jacob L., Bay City, Mich., assignor to The Rail Joint Company. Joint-chair. (Reissue.) No. 1,427,272; Mar. 13; v. 236; p. 575.
- Sparling, Rowland, assignor to Dispatch Motor Car Company, Minneapolis, Minn. Transmission mechanism. No. 1,225,190; May 8; v. 238; p. 426.
- Sparrow, Hill, New York, N. Y. Paper-hanger's tool-bag. No. 1,217,357; Feb. 27; v. 235; p. 1137.
- Spathelf, David E. (See Julow, Spathelf, and Sehl.)
- Spaugh, Jacob D., Meyersdale, Pa. Gearing for washing-machines. No. 1,227,335; May 22; v. 238; p. 1231.
- Spaulding, Charles F., Salt Lake City, Utah. Apparatus for flotation separation. No. 1,249,684; Dec. 11; v. 245; p. 393.
- Spaulding, Charles S. (See Haley, Michael, assignor.)
- Spaulding & Sons Co., J. (See English and Gibbs, assignors.)
- Spaulding, Thomas, Los Angeles, Cal. Bedclothes-support for folding beds. No. 1,214,090; Jan. 30; v. 234; p. 1412.
- Spayd, Ezra C. (See Spayd, Noah P., assignor.)
- Spayd, Noah P., assignor of one-half to E. C. Spayd, Van Wert, Ohio. Stave-jointing machine. No. 1,228,351; May 29; v. 238; p. 1599.
- Spazier, Morris, Los Angeles, Cal. Soap. No. 1,241,043; Sept. 25; v. 242; p. 830.
- Spazier, Morris, Los Angeles, Cal. Washing-crystal. No. 1,241,044; Sept. 25; v. 242; p. 830.
- Speakman Supply & Pipe Company. (See Speakman, Willard A., assignor.)
- Speakman, Willard A., assignor to Speakman Supply & Pipe Company, Wilmington, Del. Self-cleaning shower-head. No. 1,236,617; Aug. 14; v. 241; p. 382.
- Spear, Arthur, deceased; M. B. Spear, executrix, Brooklyn, N. Y. Speed changing and controlling device. No. 1,223,436; Apr. 24; v. 237; p. 952.
- Spear, Ellis, *et al.*, trustees. (See Cahill, Thaddeus, assignor.)
- Spear, Furman D., assignor to Armspear Manufacturing Company, New York, N. Y. Traffic-signal. No. 1,249,539; Dec. 11; v. 245; p. 351.
- Spear, Myrtle B., executrix. (See Spear, Arthur.)
- Spear, Wilfred H. (See Oldendorph, Walter M., assignor.)
- Spearman, Walter W., Mulberry, Fla. Rear-axle casing. No. 1,248,739; Dec. 4; v. 245; p. 92.
- Spears, Criss K. (See Fraser and Henry, assignors.)
- Spears, Joseph H., assignor, to Ty-Sa-Man Machine Company, Knoxville, Tenn. Machine for grinding and polishing stones. No. 1,211,776; Jan. 9; v. 234; p. 512.
- Spears, Joseph T., North Augusta, S. C. Furniture-supports. No. 1,243,116; Oct. 16; v. 243; p. 598.
- Speas, Samuel A., Parsons, Kans. Clothes-pin. No. 1,246,485; Nov. 13; v. 244; p. 433.
- Specht, Edward H., Manitowoc, Wis. Pipe-stem. No. 1,219,678; Mar. 20; v. 236; p. 689.
- Specht, Johannes, Brooklyn, N. Y., assignor to H. B. Hardenburg & Co. Purse. No. 1,247,164; Nov. 20; v. 244; p. 668.
- Specht, John H., Cleveland, Ohio, assignor to American Can Company, New York, N. Y. Friction-top can. No. 1,247,029; Nov. 20; v. 244; p. 628.
- Specialty Insulation Manufacturing Company. (See Bateholts, Clinton, assignor.)
- Specification Soap & Oil Co. (See Ryder, James W., assignor.)
- Specketer, Heinrich, Griesheim-on-the-Main, Germany. Producing pure zinc. No. 1,231,083; June 26; v. 239; p. 1032.
- Specketer, Heinrich, Griesheim-on-the-Main, Germany. Apparatus for producing zinc and other similar metals. No. 1,231,084; June 26; v. 239; p. 1032.
- Specketer, Heinrich, and W. Hofmann, Griesheim, assignors to Chemische Fabrik Griesheim-Elektron, Frankfurt-on-the-Main, Germany. Manufacture of alkali and alkaline-earth metal sulfids. No. 1,212,702; Jan. 16; v. 234; p. 872.
- Spector, Samuel, Philadelphia, Pa. Bag for umbrellas, shoes, and other articles. No. 1,220,793; Mar. 27; v. 236; p. 1115.
- Speed Adding Machine Company. (See Bair, Joseph H., assignor.)
- Speed, James B., assignor to Western Electric Company, Incorporated, New York, N. Y. Phantom-circuit loading. No. 1,221,238; Apr. 3; v. 237; p. 84.
- Speed, James B., West New Brighton, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Protective system. No. 1,223,437; Apr. 24; v. 237; p. 952.
- Speed, Jefferson, Tatum, Tex. Trap. No. 1,232,403; July 3; v. 240; p. 288.
- Speed, Samuel, Tatum, Tex. Hammer for overhead nailing. No. 1,225,070; May 8; v. 238; p. 385.
- Speegle, William A., assignor of one-fourth to T. P. Brackman, one-eighth to W. Shuping, and one-eighth to W. L. Cannon, Drexel, N. C. Sharpening-machine for cutter-heads. No. 1,213,703; Jan. 23; v. 234; p. 1249.
- Speelman, Frank L., Crestline, Ohio. Milk-ticket holder and protector. No. 1,224,031; Apr. 24; v. 237; p. 1160.
- Speer, John M., Fort Branch, Ind. Fireplace-heater. No. 1,228,254; May 29; v. 238; p. 1567.
- Spehar, Dane, Miami, Ariz. Drilling-machine. No. 1,244,385; Oct. 23; v. 243; p. 1015.
- Spehar, Dane, Miami, Ariz. Hammer-drill. No. 1,244,386; Oct. 23; v. 243; p. 1016.
- Speice, Francis H., assignor of one-half to E. A. Burgoon, Dubois, Pa. Spring battery-clip. No. 1,237,718; Aug. 21; v. 241; p. 776.
- Speidel, Charles F., assignor to Eastman Kodak Company, Rochester, N. Y. Camera-back. No. 1,217,653; Feb. 27; v. 235; p. 1245.
- Speight, Samuel. (See Kellogg, James, assignor.)
- Spelbrink, Gustav A., Ivanhoe, Minn. Grain-car door. No. 1,233,818; July 17; v. 240; p. 818.
- Spellacy, Peter E. (See Slaughter and Gaertner, assignors.)
- Spelling, Thomas C., New York, N. Y. Bottle-stopper. No. 1,216,005; Feb. 13; v. 235; p. 572.
- Spelling, Thomas C., New York, N. Y. Stopper. No. 1,216,177; Feb. 13; v. 235; p. 635.
- Spelling, Thomas C., New York, N. Y. Necktie-fastener. No. 1,218,224; Mar. 6; v. 236; p. 118.
- Spelling, Thomas C., New York, N. Y. Closure for bottles and other containers. No. 1,249,540; Dec. 11; v. 245; p. 352.
- Spelling, Thomas C., New York, N. Y. Shiftable closure. No. 1,249,541; Dec. 11; v. 245; p. 352.
- Spellman, Herbert W., New Britain, Conn. Polishing compound. No. 1,231,307; June 26; v. 239; p. 1106.
- Spellmeyer, Albert H., St. Louis, Mo. Combined beverage and water cooler and dispenser. No. 1,238,842; Sept. 4; v. 242; p. 39.
- Spellmeyer, Albert H., St. Louis, Mo. Faucet. No. 1,238,843; Sept. 4; v. 242; p. 40.
- Spelman, Mark R., Hyde Park, N. Y. Centrifugal separator. No. 1,212,831; Jan. 16; v. 234; p. 914.
- Spennard, Napoleon, assignor of one-half to E. L. Morrill, Biddeford, Me. Loom-shuttle. No. 1,242,383; Oct. 9; v. 243; p. 330.
- Spence, Charles L., Sturgis, Mich. Manifolding sales-book. No. 1,240,613; Sept. 18; v. 242; p. 662.
- Spence, David, Norwalk, Conn. Devulcanization. No. 1,235,850; Aug. 7; v. 241; p. 105.
- Spence, David, Norwalk, Conn. Removing the combined sulfur from vulcanized rubber. No. 1,235,852; Aug. 7; v. 241; p. 105.
- Spence, Harry L., Sanford, Me. Thread-cutter. No. 1,224,800; May 1; v. 238; p. 242.
- Spence, Hiram N. (See Nolan, Remer T., assignor.)
- Spence, Jesse L., New York, N. Y. Electric cigar-lighter. No. 1,235,853; Aug. 7; v. 241; p. 106.
- Spence, Jesse L., Brooklyn, N. Y., assignor to Stentor Electric Manufacturing Co., Inc. Helmet for aviators. No. 1,235,851; Aug. 7; v. 241; p. 105.
- Spence, John J., assignor of one-half to W. W. Alsobrook, Greenville, Tex. Armored car. No. 1,249,542; Dec. 11; v. 245; p. 352.
- Spencer, Arthur B., and F. E. Walker, Hucknall Torkard, assignors of one-third to G. Spencer, Lutterworth, England. Buttonhole-spacing apparatus. No. 1,237,569; Aug. 21; v. 241; p. 726.
- Spencer, Charles W., St. Helens, Oreg. Windlass operating and releasing means. No. 1,236,223; Aug. 7; v. 241; p. 225.
- Spencer, Charley J., Osceola, Iowa. Floor-jack. No. 1,249,543; Dec. 11; v. 245; p. 353.
- Spencer, Christopher M., Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Combined forming and cut-off tool. No. 1,223,438; Apr. 24; v. 237; p. 953.
- Spencer, Daniel G., assignor to Inter-State Engine & Tractor Company, Waterloo, Iowa. Vehicle running-gear. No. 1,234,813; July 31; v. 240; p. 1205.

Alphabetical list of patentees—Continued.

- Spencer, Earle J. P., Phoenix, N. Y. Process and apparatus for purifying milk. No. 1,210,865; Jan. 2; v. 234; p. 167.
- Spencer, George. (See Spencer and Walker, assignors.)
- Spencer, George A., assignor of one-third to I. Glenn Jackson, Mich. Rotary spring-fitting machine. No. 1,219,876; Mar. 20; v. 236; p. 758.
- Spencer, George A., assignor of one-third to I. Glenn Jackson, Mich. Rotary spring-fitting machine. No. 1,224,577; May 1; v. 238; p. 165.
- Spencer, Harvey P., Chicago, Ill. Candy-pulling machine. No. 1,249,847; Dec. 11; v. 245; p. 442.
- Spencer, Henry B., et al. (See Hudson, Albert E., assignor.)
- Spencer, Ira H., West Hartford, assignor to The Organ Power Company, Hartford, Conn. Blower. No. 1,226,131; May 15; v. 238; p. 788.
- Spencer, Ira H., West Hartford, assignor to The Organ Power Company, Hartford, Conn. Valve. No. 1,251,453; Dec. 25; v. 245; p. 1004.
- Spencer, John E., and A. C. Lillie, Los Angeles, Cal. Automobile-curtain window. No. 1,219,877; Mar. 20; v. 236; p. 759.
- Spencer, John R., and J. L. Ross, Bartow, Fla. Novelty device. No. 1,211,976; Jan. 9; v. 234; p. 586.
- Spencer, Lawrence N., assignor of one-half to G. A. Gittins, Milford, Mich. Steering apparatus for trailers. No. 1,245,054; Oct. 30; v. 243; p. 1256.
- Spencer Lens Company. (See Ott, Harvey N., assignor.)
- Spencer, Louis R., Hartford, Conn. Antifriction-bearing. No. 1,240,382; Sept. 18; v. 242; p. 593.
- Spencer, Ralph F., Osceola, Ill. Resilient wheel. No. 1,227,848; May 29; v. 238; p. 1433.
- Spencer, Sally M., Flagstaff, Ariz. Toilet-pail. No. 1,227,336; May 22; v. 238; p. 1231.
- Spencer, Samuel M., Eutaw, Ala. Sectional post. No. 1,218,813; Mar. 13; v. 236; p. 361.
- Spencer, Stephen R. (See Kone, George W., assignor.)
- Spencer, Thomas, assignor to Helios Manufacturing Company, Philadelphia, Pa. Constant-voltage system. No. 1,220,870; Mar. 27; v. 236; p. 970.
- Spencer, Thomas, assignor to Helios Manufacturing Company, Philadelphia, Pa. Constant-voltage system. No. 1,220,871; Mar. 27; v. 236; p. 971.
- Spencer, Thomas, Philadelphia, Pa., assignor, by mesne assignments, to National Carbon Company, Inc. Mold for storage-battery grids and making the same. No. 1,238,211; Aug. 28; v. 241; p. 964.
- Spencer, William E., Stockport, England. Valve. No. 1,237,719; Aug. 21; v. 241; p. 776.
- Spensley, Jacob W., Manchester, England. Rotary disintegrating, pulverizing, or mixing apparatus. No. 1,215,424; Feb. 13; v. 235; p. 361.
- Sperbeck, Lorenzo. (See Mapson, Robert L., assignor.)
- Sperle, Charles H., Somerville, N. J. Incubator-brooder. No. 1,211,977; Jan. 9; v. 234; p. 587.
- Sperling, Martin, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Electrode-packing for melting-furnaces. No. 1,234,946; July 31; v. 240; p. 1249.
- Sperling, Martin, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Cooled bottom electrode for electric smelting-furnaces. No. 1,234,947; July 31; v. 240; p. 1249.
- Sperr, Frederick W., Jr., Oakmont, Pa. Recovering cyanogen and sulfur compounds from fluids. No. 1,213,429; Jan. 23; v. 234; p. 1156.
- Sperr, Frederick W., Jr., Oakmont, Pa., assignor to H. Koppers Company, Pittsburgh, Pa. Treating liquid distillates. No. 1,246,671; Nov. 13; v. 244; p. 488.
- Sperr, Frederick W., Jr., Oakmont, and R. J. Montgomery, Tarentum, assignors to H. Koppers Company, Pittsburgh, Pa. Cement. No. 1,221,618; Apr. 3; v. 237; p. 215.
- Sperry, Arthur B., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,221,773; Apr. 3; v. 237; p. 267.
- Sperry, Arthur B., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,221,917; Apr. 10; v. 237; p. 352.
- Sperry, Arthur B., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,231,085; June 26; v. 239; p. 1032.
- Sperry, Arthur B., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,231,086; June 26; v. 239; p. 1033.
- Sperry, Arthur B., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Automatic telephone-exchange system. No. 1,233,819; July 17; v. 240; p. 818.
- Sperry, Arthur B., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone system. No. 1,242,384; Oct. 9; v. 243; p. 330.
- Sperry, Arthur B., New York, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Machine-switching telephone-exchange system. No. 1,246,176; Nov. 13; v. 244; p. 338.
- Sperry, Elmer A. (See Fiske and Sperry.)
- Sperry, Elmer A., Brooklyn, N. Y. Combustion-engine. No. 1,226,132; May 15; v. 238; p. 788.
- Sperry, Elmer A., Brooklyn, N. Y. Operating flaming-arc lights for projectors. No. 1,227,210; May 22; v. 238; p. 1190.
- Sperry, Elmer A., Brooklyn, assignor to The Sperry Gyroscope Company, New York, N. Y. Plotting-indicator. No. 1,215,425; Feb. 13; v. 235; p. 362.
- Sperry, Elmer A., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Ship stabilizing and rolling apparatus. No. 1,232,619; July 10; v. 240; p. 391.
- Sperry, Elmer A., assignor to Sperry Gyroscope Co., Brooklyn, N. Y. Ship's gyroscopic-compass set. No. 1,242,065; Oct. 2; v. 243; p. 189.
- Sperry, Elmer A., and H. L. Tanner, assignors to The Sperry Gyroscope Company, Brooklyn, N. Y. Gyroscopic stabilizer. No. 1,236,993; Aug. 14; v. 241; p. 505.
- Sperry Gyroscope Company. (See Fiske and Sperry, assignors.)
- Sperry Gyroscope Company. (See Petersen, Sophus, assignor.)
- Sperry Gyroscope Company, The. (See Sperry, Elmer A., assignor.)
- Sperry Gyroscope Company, The. (See Sperry, Lawrence B., assignor.)
- Sperry Gyroscope Company, The. (See Sperry and Tanner, assignors.)
- Sperry, Herbert B. (See Dain and Sperry.)
- Sperry, Lawrence B., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Universal control-handle. No. 1,239,837; Sept. 11; v. 242; p. 386.
- Sperry, Leonard B., Wauwatosa, Wis., assignor to International Harvester Corporation. Internal-combustion engine. No. 1,214,967; Feb. 6; v. 235; p. 170.
- Sperry, John R., assignor to The American Well Works, Aurora, Ill. Deep-well pump. No. 1,230,612; June 19; v. 239; p. 825.
- Sperry, John B., assignor to The American Well Works, Aurora, Ill. Centrifugal pump. No. 1,234,948; July 31; v. 240; p. 1249.
- Sperry, Samuel E., Woodhaven, assignor to Intertype Corporation, Brooklyn, N. Y. Typographical machine. No. 1,229,160; June 5; v. 239; p. 263.
- Sperry, Samuel E., Woodhaven, assignor to Intertype Corporation, New York, N. Y. Channel-entrance for typographic machines. No. 1,245,055; Oct. 30; v. 243; p. 1257.
- Sperry, William E., Raton, N. Mex. Portable extension-tippie. No. 1,210,719; Jan. 2; v. 234; p. 119.
- Sperry, Charles F., Chicago, Ill. Radiator. No. 1,216,509; Feb. 20; v. 235; p. 804.
- Sperry, Philmore F., assignor to American Cinematograph Company, Chicago, Ill. Light-varying apparatus for printing mechanisms. No. 1,232,727; July 10; v. 240; p. 428.
- Spicer, Charles W., Washington, D. C. Record element for tabulating systems. No. 1,212,832; Jan. 16; v. 234; p. 915.
- Spicer, Elmer D., assignor to Moore Steam Turbine Company, Wellsville, N. Y. Governor-valve connection. No. 1,232,728; July 10; v. 240; p. 428.
- Spicer, Elmer D., assignor to Moore Steam Turbine Corporation, Wellsville, N. Y. Self-oiling bearing. No. 1,244,914; Oct. 30; v. 243; p. 1216.
- Spickler, Charles A., Philadelphia, Pa. Adjustable liner. No. 1,241,675; Oct. 2; v. 243; p. 66.
- Spickler, Charles A., Philadelphia, Pa. Adjustable liner. No. 1,241,676; Oct. 2; v. 243; p. 66.
- Spiegel, Alexander S., Chicago, Ill. Roofing-machine. No. 1,244,654; Oct. 30; v. 243; p. 1136.
- Spiegel, Alexander S., Chicago, Ill. Shingle-cutting machine for composition roofing. No. 1,249,544; Dec. 11; v. 245; p. 353.
- Spiegel, Alexander S., assignor of one-third to R. Glendinning and one-third to G. Felsenthal, Chicago, Ill. Holder for photographs. No. 1,211,497; Jan. 9; v. 234; p. 417.
- Spiegel, George F., Rochester, N. Y. Arch-support. No. 1,211,255; Jan. 2; v. 234; p. 303.
- Spiekerman, Ewald M., Lodi, Cal. Sealing device for pipe-joints. No. 1,240,507; Sept. 18; v. 242; p. 632.
- Spielman, Adolph, Philadelphia, Pa. Wall-switch for distant control of gas-supply. No. 1,240,895; Sept. 25; v. 242; p. 784.
- Spielman, Adolph, Philadelphia, Pa. Gas-chandelier. No. 1,241,159; Sept. 25; v. 242; p. 866.
- Spielman, Adolph, Philadelphia, Pa. Valve and signal device for gas-chandeliers. No. 1,242,488; Oct. 9; v. 243; p. 364.
- Spielman, Max H., New York, assignor of one-half to J. Corcos, Brooklyn, N. Y. Flash-light. No. 1,227,012; May 22; v. 238; p. 1124.
- Spielman, Max H., New York, assignor of one-half to J. Corcos, Brooklyn, N. Y. Flash-light or electric torch. No. 1,227,013; May 22; v. 238; p. 1124.
- Spielman, Maximilian H., New York, N. Y. Safety device for electrical circuits. No. 1,240,896; Sept. 25; v. 242; p. 785.
- Spielman, Maximilian H., New York, N. Y. Safety device for electrical circuits. No. 1,248,741; Dec. 4; v. 245; p. 93.
- Spiers, William, Leicester, England. Circular-knitting machine. No. 1,210,866; Jan. 2; v. 234; p. 167.

- Spiehl, William F., Cleveland, Ohio. Combination cooking-range. No. 1,231,087; June 26; v. 239; p. 1033.
- Spikeless & Boltless Railroad Tie Company, The. (See Kruse, Theodore H., assignor.)
- Spiker, Jacob S., et al. (See Hollingsworth, Spear S., assignor.)
- Spiker, Noble, et al. (See Hollingsworth, Spear S., assignor.)
- Spikes, Robert L., Farmville, N. C. Bean and pea harvester and separator. No. 1,218,011; Mar. 6; v. 236; p. 43.
- Spillman, Edward O., North Tonawanda, N. Y. Piston for explosive-engines. No. 1,229,540; June 12; v. 239; p. 443.
- Spinasse, Arthur E., Mount Vernon, Ohio. Glass-drawing apparatus. No. 1,224,032; Apr. 24; v. 237; p. 1160.
- Spinasse, Arthur E., Mount Vernon, Ohio. Making glass objects. No. 1,241,480; Sept. 25; v. 242; p. 966.
- Spindler, Reginald J., Rosetown, Saskatchewan, Canada. Adjustable cap. No. 1,243,567; Oct. 16; v. 243; p. 732.
- Spink, Richard G., Gibbon, Nebr. Air-compressing and shock-absorbing system for vehicles. No. 1,247,465; Nov. 20; v. 244; p. 753.
- Spinner, Isidore, and G. E. Perry, said Perry assignor, by mesne assignments, to J. H. Rook, Chicago, Ill. Loose-leaf binder. No. 1,227,685; May 29; v. 238; p. 1376.
- Spire, William H., assignor to The Steel Products Company, Cleveland, Ohio. Welding-machine. No. 1,228,843; June 5; v. 239; p. 161.
- Spirella Company, The. (See Kitchen, John F., assignor.)
- Spirella Company, The. (See Roche, William J., assignor.)
- Spirella Company, The. (See Wadsworth, Frank L. O., assignor.)
- Spirella Company, The. (See Welsh, James M., assignor.)
- Spirella Company, The. (See Winter, Frederick W., assignor.)
- Spirewki, John S., Jr., assignor of one-third to D. C. O'Connell and one-third to J. E. O'Connell, Milwaukee, Wis. Dirigible-headlight mechanism. No. 1,226,133; May 15; v. 238; p. 789.
- Spirewki, John S., Jr., assignor of one-third to D. C. O'Connell and one-third to J. E. O'Connell, Milwaukee, Wis. Tiltable mounting for automobile-headlights. No. 1,230,939; June 26; v. 239; p. 981.
- Spirewki, John S., Jr., assignor of one-third to D. C. O'Connell, and one-third to J. E. O'Connell, Milwaukee, Wis. Water-cooled refrigerator. No. 1,235,072; July 31; v. 240; p. 1287.
- Spirlin, Louis, New York, N. Y. Cushion-insole. No. 1,213,965; Jan. 30; v. 234; p. 1369.
- Spiro, Charles, New York, N. Y. Telegraph-call. No. 1,215,734; Feb. 13; v. 235; p. 475.
- Spiro, Charles, New York, N. Y. Motion-picture camera. No. 1,228,255; May 29; v. 238; p. 1567.
- Spiro, Charles, New York, N. Y. Automatic film-feed. No. 1,235,073; July 31; v. 240; p. 1287.
- Spitz, Fannie S., Albuquerque, N. Mex. Nut shelling and separating machine. No. 1,211,978; Jan. 9; v. 234; p. 587.
- Spitzfaden, Bernhard, Brooklyn, assignor to Elevator Efficiency Appliance Co. Inc., New York, N. Y. Safety-catch for elevator-doors. No. 1,232,438; July 3; v. 240; p. 298.
- Spitzfaden, Bernhard, Brooklyn, assignor to Elevator Efficiency Appliance Co. Inc., New York, N. Y. Silencer and connecting medium for elevator-doors. No. 1,232,439; July 3; v. 240; p. 298.
- Spitzglass, Jacob M., Chicago, Ill. Pitot tube. No. 1,250,238; Dec. 18; v. 245; p. 595.
- Spivey, Thomas S., Cincinnati, Ohio, assignor to The American Banker's Safety Company, Wilmington, Del. Burglar-proof safe. No. 1,214,091; Jan. 30; v. 234; p. 1412.
- Spinn, John, Binghamton, N. Y. Spring-wheel. No. 1,232,991; July 10; v. 240; p. 514.
- Splater, Henry E., assignor of one-half to J. V. McCall, Hay, Wash. Grain-tank. No. 1,219,786; Mar. 20; v. 236; p. 727.
- Splayford, Charles A., Vancouver, British Columbia, Canada. Snow-plow. No. 1,243,355; Oct. 16; v. 243; p. 670.
- Splitdorf Electrical Company. (See Borger and Richards, assignors.)
- Splitdorf Electrical Company. (See Brackett, Ernest W., assignor.)
- Splitdorf Electrical Company. (See Chmela, Albert, assignor.)
- Splitdorf Electrical Company. (See Dean, William W., assignor.)
- Splitdorf Electrical Company. (See Gilling, Preston E., assignor.)
- Splitdorf Electrical Company. (See Hart, William J., assignor.)
- Splitdorf Electrical Company. (See King, Jesse G., assignor.)
- Splitdorf Electrical Company. (See Lang, George L., assignor.)
- Splitdorf Electrical Company. (See Libby, Albion D. T., assignor.)
- Splitdorf Electrical Company. (See Manning, Frederick C., assignor.)
- Splitdorf Electrical Company. (See Mason, Charles T., assignor.)
- Splitdorf Electrical Company. (See McKeown, Samuel C., assignor.)
- Splitdorf Electrical Co. (See Perrin, Frederic S., assignor.)
- Splitdorf Electrical Company. (See Remy, Benjamin P. and F. I., assignors.)
- Splitdorf Electrical Company. (See Richards, Julius H., assignor.)
- Splitdorf Electrical Company. (See Tingley, Egbert M., assignor.)
- Splitdorf Electrical Company. (See Tomlinson, Edward J., assignor.)
- Splitdorf Electrical Company. (See Van Deventer, Harry R., assignor.)
- Splitdorf Electrical Company. (See Williams, Fred B., assignor.)
- Splitdorf Electrical Company. (See Wilson, James M., assignor.)
- Spoher, Gregory J., East Orange, N. J., assignor to The Motor-Compressor Company. Starting mechanism for internal-combustion engines. No. 1,212,578; Jan. 16; v. 234; p. 825.
- Spoher, Gregory J., East Orange, assignor to H. R. Van Vleck, Montclair, N. J. Broaching-machine. No. 1,236,782; Aug. 14; v. 241; p. 438.
- Spoher, Gregory J., East Orange, N. J., assignor to The Motor-Compressor Company. Starting mechanism for internal-combustion engines. No. 1,243,455; Oct. 16; v. 243; p. 699.
- Spokane Mail Equipment Company, The. (See Sander, Joseph P., assignor.)
- Spokane Mail Equipment Company, The. (See Smith, Herbert E., assignor.)
- Sponenburg, Hiram H., Gurnee, assignor, by mesne assignments, to O. R. Barnett, Chicago, Ill. Rail-stay. No. 1,214,723; Feb. 6; v. 235; p. 85.
- Sponenburg, Hiram H., Gurnee, assignor, by mesne assignments, to O. R. Barnett, Chicago, Ill. Anticreep. No. 1,215,426; Feb. 13; v. 235; p. 362.
- Sponenburg, Hiram H., Gurnee, assignor, by mesne assignments to O. R. Barnett, Chicago, Ill. Rail-stay. No. 1,228,613; June 5; v. 239; p. 81.
- Sponenburg, Hiram H., Gurnee, assignor, by mesne assignments, to O. R. Barnett, Chicago, Ill. Rail-anchor. No. 1,228,614; June 5; v. 239; p. 82.
- Sponsel, Charles W., assignor to The Sponsel Company, Hartford, Conn. Machine for calibrating and straightening gun-barrels. No. 1,239,532; Sept. 11; v. 242; p. 287.
- Sponsel, Charles W., assignor to The Sponsel Company, Hartford, Conn. Machine for straightening gun-barrels. No. 1,239,533; Sept. 11; v. 242; p. 288.
- Sponsel, Charles W., assignor to The Sponsel Company, Hartford, Conn. Machine for calibrating gun-barrels. No. 1,239,534; Sept. 11; v. 242; p. 282.
- Sponsel, Charles W., assignor to The Sponsel Company, Hartford, Conn. Universal joint. No. 1,249,545; Dec. 11; v. 245; p. 353.
- Sponsel, Charles W., assignor to The Sponsel Company, Hartford, Conn. Universal joint. No. 1,249,546; Dec. 11; v. 245; p. 353.
- Sponsel, Charles W., assignor to The Sponsel Company, Hartford, Conn. Stud-retaining means. No. 1,249,547; Dec. 11; v. 245; p. 354.
- Sponsel Company, The. (See Sponsel, Charles W., assignor.)
- Spooner, Thomas, Wilkesburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Temperature-measuring instrument. No. 1,227,337; May 22; v. 238; p. 1231.
- Spotswood, Frank D., Lexington, Ky. Puzzle-picture. No. 1,225,071; May 8; v. 238; p. 385.
- Spotts, Joseph J. (See Zappi, Pasquale, assignor.)
- Sprague, Arthur W., deceased; C. Sprague, executrix, La Grange, Ill. Fence-post-brace clamp. No. 1,249,848; Dec. 11; v. 245; p. 442.
- Sprague, Beecher W. (See La Moy, John H., assignor.)
- Sprague Canning Machinery Company. (See Haight, James P., assignor.)
- Sprague Canning Machinery Company. (See McIntyre, John C., assignor.)
- Sprague, Clarence J., Los Angeles, Cal. Cultivator. No. 1,248,194; Nov. 27; v. 244; p. 994.
- Sprague, Cora, executrix. (See Sprague, Arthur W.)
- Sprague, Edward W., Allentown, Pa. Automatic stoker. No. 1,240,614; Sept. 18; v. 242; p. 662.
- Sprague, Frank J., Sharon, Conn., assignor to Sprague Safety Control and Signal Corporation. Electric detector-circuit. No. 1,248,942; Dec. 4; v. 245; p. 150.
- Sprague, Gilbert M. (See Carlson, Oscar G., assignor.)
- Sprague, Henry H., Bridgeport, Conn. Gas-meter. No. 1,238,453; Aug. 28; v. 241; p. 1044.
- Sprague Safety Control and Signal Corporation. (See Sprague, Frank J., assignor.)
- Sprague, Theodore A., Pittsburgh, Pa. Filler for tire-casings. No. 1,225,880; May 15; v. 238; p. 702.
- Spranger, Frank and M., assignors to Spranger Rim and Wheel Company, Detroit, Mich. Demountable rim for vehicle-wheels. No. 1,220,471; Mar. 27; v. 236; p. 1007.
- Spranger, Nicholas M. (See Spranger, Frank and N. M., assignors.)
- Spranger Rim and Wheel Company. (See Spranger, Frank and N. M., assignors.)
- Spratlen, Mary, Concordia, Kans. Coal-car cover. No. 1,210,556; Jan. 2; v. 234; p. 62.

Alphabetical list of patentees—Continued.

- Spray Engineering Company. (See Day, Herbert W., assignor.)
- Spray Engineering Company. (See Donham, Benjamin C., assignor.)
- Spray Engineering Company. (See Eneas, Aubrey G., assignor.)
- Spray Engineering Company. (See Laferriere, Joseph E., assignor.)
- Spray Engineering Company. (See Parker, Lee H., assignor.)
- Spray Engineering Company. (See Parker and Standish, assignors.)
- Spray Primer Company. (See Kilgore, Frederick O., assignor.)
- Spray, William B. A., Vancouver, British Columbia, Canada. Auxiliary air-supply for internal-combustion engines. No. 1,211,636; Jan. 9; v. 234; p. 464.
- Sprecher, Henry S. (See Vogeler and Sprecher.)
- Sprinchorn, Ulrich, assignor to Jamestown Curtain Rod Company, Inc., Jamestown, N. Y. Extensible curtain-rod. No. 1,220,900; Mar. 27; v. 236; p. 1152.
- Spring Stopper Company. (See Brown, Harry M., assignor.)
- Spring, William O. (See Clough and Spring.)
- Springer, Edward R., Princeton, Ill. Gear-shift. No. 1,216,178; Feb. 13; v. 235; p. 635.
- Springer, Ruter W., Springfield, Ill. Wing or propeller for aerial dynamics and other purposes. No. 1,231,444; June 26; v. 239; p. 1152.
- Springer, William L., Park Ridge, Ill. Molding-machine. No. 1,242,385; Oct. 9; v. 243; p. 331.
- Springfield Valve Company. (See Keating, Robert M., assignor.)
- Springfels, Carl, Buffalo, N. Y. Box. No. 1,250,689; Dec. 18; v. 245; p. 729.
- Springfield Body Corporation of New York. (See Maise, Herman C., assignor.)
- Springfield Body Corporation of New York, The. (See Smith, Hinsdale, assignor.)
- Sproessig, Oscar. (See Franks and Sproessig.)
- Sprong, Severn D., and W. E. McCoy, New York, N. Y. Apparatus for rendering a protective device responsive to phase relations. No. 1,211,000; Jan. 2; v. 234; p. 216.
- Sprong, Severn D., and W. E. McCoy, New York, N. Y. Means for preventing current leakage in electric cables. No. 1,227,211; May 22; v. 238; p. 1190.
- Sprong, Severn D., and W. E. McCoy, New York, N. Y. Means for preventing current leakage in electric cables. No. 1,237,401; Aug. 21; v. 241; p. 673.
- Spruhl, John J., New York, assignor of one-half to A. Sundh, Hastings-upon-Hudson, N. Y. Elevator. No. 1,218,711; Mar. 13; v. 236; p. 323.
- Sproule, Percy M., Cyrrville, Ontario, Canada. Train-stopping apparatus. No. 1,237,968; Aug. 21; v. 241; p. 853.
- Sproull, George F. (See Cotton, Claborn B., assignor.)
- Sprung, Abbe, New York, N. Y. Adjustable sectional furniture. No. 1,247,590; Nov. 20; v. 244; p. 788.
- Sprung, Abraham, New York, N. Y. Adding-machine. No. 1,219,878; Mar. 20; v. 236; p. 759.
- Sprung, Edmund, Detroit, Mich. Stud extractor and tightener. No. 1,224,801; May 1; v. 238; p. 242.
- Spuchler, George, Kansas City, Mo. Card-holder. No. 1,239,638; Sept. 11; v. 242; p. 386.
- Spuhel, Carl. (See Drummond and Spuhel.)
- Spuhel, Fritz. (See Drummond and Spuhel.)
- Spurlock, Robert C. (See Parker and Spurlock.)
- Spurrier, Thomas H., Washington, D. C. Parcel-carrier. No. 1,243,638; Oct. 16; v. 243; p. 755.
- Spurrier, William A., Newton, Mass. Holder for calendar-pads and the like. No. 1,214,605; Feb. 6; v. 235; p. 43.
- Squarey, Edward M. (See Fuhrmann and Squarey.)
- Squier, George O., Mayfair, London, England. Telegraphy. No. 1,233,519; July 17; v. 240; p. 722.
- Squier, Natt, Clifton Springs, assignor of one-half to J. N. Mead, Ithaca, N. Y. Tire. No. 1,217,232; Feb. 27; v. 235; p. 1094.
- Squier, Ruth B., Scranton, Pa. Barber's bib. No. 1,251,127; Dec. 25; v. 245; p. 908.
- Squire, Gayle, Hastings, Fla. Barrel-heading machine. No. 1,234,577; July 24; v. 240; p. 1100.
- Squire, George A., Rudolph, Ohio. Carbureter attachment for internal-combustion engines. No. 1,217,233; Feb. 27; v. 235; p. 1094.
- Squires, Arthur C., assignor of one-half to J. E. Wainwright, College Point, N. Y. Waterproof elastic fabric. No. 1,220,372; Mar. 27; v. 236; p. 971.
- Squires, Charles W., Beverly, Mass. Circuit-closer for track-switches. No. 1,220,701; Mar. 27; v. 236; p. 1085.
- Squires, Charles W., Beverly, Mass. Track-switch. No. 1,244,138; Oct. 23; v. 243; p. 942.
- Squires, Frederick, Marietta, assignor to W. Squires, Zanesville, Ohio. Recovering oil and gas. No. 1,238,355; Aug. 28; v. 241; p. 1013.
- Squires, Frederick, Marietta, assignor to W. Squires, Zanesville, Ohio. Apparatus for and method of recovering oil and gas. No. 1,249,232; Dec. 4; v. 245; p. 233.
- Squires, Grantley N., Greenport, N. Y. Carbureter. No. 1,222,483; Apr. 10; v. 237; p. 551.
- Squires, John, assignor to Signal Motor Truck Company, Detroit, Mich. Three-point suspension for vehicle-motors. No. 1,211,637; Jan. 9; v. 234; p. 465.
- Squires, Pembroke N., Tekamah, Nebr. Headlight-adjuster for vehicles. No. 1,216,619; Feb. 20; v. 235; p. 843.
- Squires, Thomas G., et al. (See Woodward, Lavater, assignor.)
- Squires, Walter. (See Squires, Frederick and W.)
- Srader, Pearl M., Lebanon, Kans. Circular extension-table. No. 1,226,134; May 15; v. 238; p. 789.
- Sramcik, Vendel, Senecaville, Ohio. Tamping device. No. 1,239,631; Sept. 11; v. 242; p. 318.
- St. Clair, John A., assignor to E. C. Atkins & Co., Indianapolis, Ind. Saw-gage. No. 1,250,694; Dec. 18; v. 245; p. 730.
- St. Clair, Lawrence, Haverhill, assignor to The Reece Button Hole Machine Company, Boston, Mass. Button-hole-finishing machine. No. 1,212,580; Jan. 16; v. 234; p. 826.
- St. Denis, Telephore. (See Ricard, Louis, assignor.)
- St. James, Alfred, Brooklyn, N. Y. Simplex joint. No. 1,219,183; Mar. 13; v. 236; p. 487.
- St. John, Raymond L., New Haven, Mich. Tie-press. No. 1,247,593; Nov. 20; v. 244; p. 789.
- St. Laurent, Aimé A., assignor of one-half to P. Cassidy, Salem, Mass. Shuttle-check for looms. No. 1,234,102; July 17; v. 240; p. 909.
- St. Louis Brass Manufacturing Company. (See Guth, Edwin F., assignor.)
- St. Louis Brass Manufacturing Company. (See Modray, Anton, assignor.)
- St. Louis Car Company. (See Keil, Lewis E., assignor.)
- St. Louis Felling Machine Company. (See Campbell, James, assignor.)
- St. Louis, George C., Fresno, Cal. Aeroplane. No. 1,233,616; July 17; v. 240; p. 755.
- St. Louis, John B., Sr., and E. E. Johnson, Everett, Wash. Lumber-trimmer. No. 1,236,228; Aug. 7; v. 241; p. 226.
- St. Louis Smelting & Refining Company. (See Kreher, Robert E., assignor.)
- St. Louis Tin & Sheet Metal Working Co. (See Thompson, Edward R., assignor.)
- St. Mungo Manufacturing Company of America. (See Loomis, Everts G., assignor.)
- Staab, John F. (See Lawrin and Staab.)
- Staack, Otto E., Port Townsend, Wash. Lock. No. 1,242,256; Oct. 9; v. 243; p. 290.
- Staaf, Werner L., assignor to E. B. Tyler, Pittsburgh, Pa. Mechanism for weighing liquids. No. 1,239,839; Sept. 11; v. 242; p. 386.
- Staat, Charles H., Brooklyn, N. Y. Artificial plume. (Reissue.) No. 14,410; Dec. 11; v. 245; p. 527.
- Stabler, Robinson R., Baltimore, Md. Loading-tool for time-train rings. No. 1,244,387; Oct. 23; v. 243; p. 1016.
- Stabley, Noah C. (See Wonner and Simon, assignors.)
- Stacey, Charles S., Dover, Ohio. Holding-form for buffing articles. No. 1,215,735; Feb. 13; v. 235; p. 475.
- Stack, Clifton D., Waupun, Wis., assignor to Paramount Hosiery Form Drying Co., Chicago, Ill. Hosiery-shaping former. No. 1,235,534; July 31; v. 240; p. 1427.
- Stack, Elmer S., West Somerville, Mass. Remote control means for water-heaters. No. 1,234,949; July 31; v. 240; p. 1250.
- Stack, Elmer S., Somerville, Mass. Automatic instantaneous water heating and storage system. No. 1,237,403; Aug. 21; v. 241; p. 674.
- Stack, Elmer S., West Somerville, Mass. Combined faucet and relief-valve. No. 1,249,233; Dec. 4; v. 245; p. 233.
- Stack, Ervin B., Monroe, N. C. Belt-dressing. No. 1,211,638; Jan. 9; v. 234; p. 465.
- Stack, John, Chicago, Ill. Metallic sleeper for mechanical toy train-tracks. No. 1,237,720; Aug. 21; v. 241; p. 776.
- Stackhouse, Edwin. (See Soley and Stackhouse.)
- Stackhouse, Emory F., Kensington, Ohio. Pan-cover. No. 1,212,833; Jan. 16; v. 234; p. 815.
- Stackhouse, George, assignor to Pacific Spring Bed Company, Berkeley, Cal. Spring-tie. No. 1,243,639; Oct. 16; v. 243; p. 755.
- Stackpole, Everett B., Seattle, Wash. Cuff-clasp. No. 1,243,775; Oct. 23; v. 243; p. 832.
- Stacy, Elmer N., assignor to Decarie Incinerator Company, Minneapolis, Minn. Incinerator. No. 1,211,979; Jan. 9; v. 234; p. 587.
- Stacy, Ernest H., Atlanta, Ga. Street car and railway indicator. No. 1,215,070; Feb. 6; v. 235; p. 206.
- Stacy, Eugene C., Tiffin, Ohio. Drinking-fountain. No. 1,211,980; Jan. 9; v. 234; p. 588.
- Stadtherr, John, and A. Bengtson, Gibbon, Minn. Grain-separator. No. 1,241,045; Sept. 25; v. 242; p. 830.
- Stachelin, Emil, assignor to Walger Awning Company, Chicago, Ill. Awning. No. 1,250,239; Dec. 18; v. 245; p. 595.
- Stachelin, Paul. (See Krauss and Stachelin.)
- Staff, Olof, Milltown, Mont. Skate. No. 1,224,802; May 1; v. 238; p. 243.
- Stafford, Alfred E., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Filling-end-clearing means for looms. No. 1,221,385; Apr. 3; v. 237; p. 135.
- Stafford, Benjamin E. D., assignor to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt for boilers. No. 1,236,224; Aug. 7; v. 241; p. 225.

- Stafford, Benjamin E. D., assignor to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt connection for boilers. No. 1,244,916; Oct. 30; v. 243; p. 1216.
- Stafford, Benjamin E. D., assignor to Flannery Bolt Company, Pittsburgh, Pa. Flexible stay-bolt connection for boilers. No. 1,250,240; Dec. 18; v. 245; p. 595.
- Stafford, Benjamin E. D. and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Lock-washer for nuts. No. 1,216,620; Feb. 20; v. 235; p. 843.
- Stafford, Benjamin E. D. and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure. No. 1,216,621; Feb. 20; v. 235; p. 844.
- Stafford, Benjamin E. D. and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure. No. 1,216,622; Feb. 20; v. 235; p. 844.
- Stafford, Benjamin E. D. and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt for boilers. No. 1,230,048; June 12; v. 239; p. 603.
- Stafford, Benjamin E. D. and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt for boilers. No. 1,236,015; Aug. 7; v. 241; p. 160.
- Stafford, Benjamin E. D. and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt for boilers. No. 1,244,915; Oct. 30; v. 243; p. 1216.
- Stafford, Benjamin E. D. and E. I. Dodds, assignors to Flannery Bolt Company, Pittsburgh, Pa. Washer. No. 1,250,241; Dec. 18; v. 245; p. 596.
- Stafford, Charles, Elizabeth, N. J., assignor to The Singer Manufacturing Company. Sewing-machine ruffler. No. 1,223,632; Apr. 24; v. 237; p. 1023.
- Stafford Company, The. (See Erhard, George P., assignor.)
- Stafford Company, The. (See Jackson, Simeon S., assignor.)
- Stafford Company, The. (See McDevitt, Frederick H., assignor.)
- Stafford, Dann C., Cortland, N. Y. Bracket for supporting trays. No. 1,236,887; Aug. 14; v. 241; p. 470.
- Stafford, Earl C., Wilkensburg, assignor to The Railway Automatic Safety Appliance Company, Philadelphia, Pa. Automatic train-stop. No. 1,249,685; Dec. 11; v. 245; p. 393.
- Stafford, Earl C., Wilkensburg, assignor to The Railway Automatic Safety Appliance Company, Philadelphia, Pa. Train-stop. No. 1,249,686; Dec. 11; v. 245; p. 394.
- Stafford, Frank R., Providence, R. I. Vessel. No. 1,217,522; Feb. 27; v. 235; p. 1198.
- Stafford, George A., Sour Lake, Tex. Shock-absorber. No. 1,215,736; Feb. 13; v. 235; p. 475.
- Stafford, Hal R., Plainfield, N. J., assignor to Economy Devices Corporation, New York, N. Y. Locomotive side rod. No. 1,222,247; Apr. 10; v. 237; p. 468.
- Stafford, Hal R., Plainfield, N. J., assignor to Economy Devices Corporation, New York, N. Y. Steam-engine valve reversing-gear. No. 1,230,049; June 12; v. 239; p. 608.
- Stafford, Hal R., Plainfield, N. J., assignor to Economy Devices Corporation, New York, N. Y. Locomotive and tender connection. No. 1,248,742; Dec. 4; v. 245; p. 93.
- Stafford, James M., Washington, Ind. Current-motor. No. 1,225,072; May 8; v. 238; p. 386.
- Stafford, John E., W. D. Ingram, and H. C. Gordon, Lincoln, Cal. Refrigerator. No. 1,231,088; June 26; v. 239; p. 1034.
- Stafford, Martin A., Harvard, Ill. Self-righting guide-post. No. 1,228,615; June 5; v. 239; p. 82.
- Stafford, William H., R. M. Millard, and J. Paul, Eau Claire, Wis. Employee's number, name, and rate record. No. 1,225,073; May 8; v. 238; p. 386.
- Stage, Joseph B., Bold Spring, Tenn. Airship. No. 1,233,820; July 17; v. 240; p. 818.
- Stagman, Harrison E., Cincinnati, Ohio. Sash-stop. No. 1,236,618; Aug. 14; v. 241; p. 382.
- Stähelin, Paul. (See Krauss and Stähelin.)
- Stahl, Ambrose C., Highland Park, Mich. Transmission mechanism. No. 1,233,414; July 17; v. 240; p. 688.
- Stahl, Carl H., and H. C. Johnson, Chicago, Ill. Combination reamer and die. No. 1,235,074; July 31; v. 240; p. 1288.
- Stahl, Charles E., and J. F. Cavanagh, assignors to Connecticut Telephone & Electric Company, Inc., Meriden, Conn. Electrical connector. No. 1,221,239; Apr. 3; v. 237; p. 84.
- Stahl, George E., Jersey City, N. J. Closure for bottles, jars, and other receptacles. No. 1,215,737; Feb. 13; v. 235; p. 476.
- Stahl, Karl F., Pittsburgh, Pa. Making sodium silicofluorid. No. 1,247,165; Nov. 20; v. 244; p. 668.
- Stahl, William. (See Haase and Pearne, assignors.)
- Stahlhuth, Samuel G., St. Louis, Mo. Hoop-splitting machine. No. 1,244,655; Oct. 30; v. 243; p. 1136.
- Stahn, Charles, New Haven, Mo. Dust-collector. No. 1,224,033; Apr. 24; v. 237; p. 1161.
- Stahr, William J., Nescopeck, Pa. Device for automatically compensating for wear of brake-shoes. No. 1,244,388; Oct. 23; v. 243; p. 1016.
- Stahr, William J., Nescopeck, Pa. Railway-brake mechanism. No. 1,246,672; Nov. 13; v. 244; p. 488.
- Stalt-Gardner, Frank. (See Thomas and Stalt-Gardner.)
- Stake, Herman. (See Ekvall and Stake.)
- Stake, Herman, assignor to Economic Machinery Company, Worcester, Mass. Mechanism for continuous labeling and affixing seal-strips on bottles. No. 1,246,006; Nov. 6; v. 244; p. 257.
- Stalberg, Dora. (See Eyslin, Leo E., assignor.)
- Stalder, Paul, Philadelphia, Pa. Chocolate-cooler. No. 1,221,918; Apr. 10; v. 237; p. 352.
- Staley, Harrison L., Martinsville, Ind., and W. B. Simons, assignors to Wilts Veneer Company, Richmond, Va. Bail-ear for pails. No. 1,221,619; Apr. 3; v. 237; p. 216.
- Staley, Harrison L., Martinsville, Ind., and W. B. Simons, assignors to Wilts Veneer Company, Richmond, Va. Shipping-pail. No. 1,225,520; May 8; v. 238; p. 537.
- Stalker, Eli S., Hallstead, Pa. Tire-protector. No. 1,224,803; May 1; v. 238; p. 243.
- Stall & Dean Manufacturing Company. (See Stall, Walter T., assignor.)
- Stall, Walter T., assignor to Stall & Dean Manufacturing Company, Brockton, Mass. Sporting-shoe. No. 1,212,834; Jan. 16; v. 234; p. 915.
- Stallings, Francis J., assignor of five twenty-fourths to M. Faber and five twenty-fourths to G. Stephan, Effingham, Ill. Pliers. No. 1,250,690; Dec. 18; v. 245; p. 729.
- Stallings, James K., Pigeon Creek, Ala. Boll-weevil exterminator. No. 1,216,006; Feb. 13; v. 235; p. 573.
- Stally, John. (See Twiddy and Stally.)
- Stalnaker, Randolph. (See Gilbert and Arnold, assignors.)
- Stalter, Bryan B., Harpster, Ohio. Folding chair. No. 1,250,691; Dec. 18; v. 245; p. 730.
- Stambaugh, Reginald V., Dayton, assignor to Artfilm Studios, Cleveland, Ohio. Making moving-picture films. No. 1,226,135; May 15; v. 238; p. 789.
- Stamm, Ernest W., St. Louis, Mo. Box-fastener. No. 1,235,075; July 31; v. 240; p. 1288.
- Stamper, Charles W., London, England. Transfer-lorry. No. 1,237,834; Aug. 21; v. 241; p. 811.
- Stanard Blue Flame Gas Generator Burner Company. (See Stanard, Frank H., assignor.)
- Stanard, Frank H., assignor to Stanard Blue Flame Gas Generator Burner Company, Kansas City, Mo. Hydrocarbon-burner. No. 1,248,195; Nov. 27; v. 244; p. 994.
- Stanard, Frank H., Kansas City, Mo., assignor to Stanard Blue Flame Gas Generator-Burner Co. Gas generator and burner. No. 1,250,692; Dec. 18; v. 245; p. 730.
- Stanbery, George A., Zanesville, Ohio, assignor to American Encaustic Tiling Co., New York, N. Y. Machine for sizing tiles. No. 1,210,557; Jan. 2; v. 234; p. 62.
- Stanbon, Charles P., Saugus, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for folding pliable material. No. 1,211,982; Jan. 9; v. 234; p. 588.
- Standard Baking Company. (See Pepper, Frederick W., assignor.)
- Standard Car Truck Company. (See Barber, Franklin L., assignor.)
- Standard Car Truck Company. (See Barber and Walton, assignors.)
- Standard Car Truck Company. (See Barber and Webb, assignors.)
- Standard Car Truck Company. (See Walton, Charles S., assignor.)
- Standard Car Truck Company. (See Webb, Edwin W., assignor.)
- Standard Car Truck Company. (See Webb and Walton, assignors.)
- Standard Chemical Company. (See Flannery, Joseph M., assignor.)
- Standard Chemical Company. (See Keeney and Vogt, assignors.)
- Standard Chemical Company. (See Seil, Harvey A., assignor.)
- Standard Chemical Company. (See Viol, Charles H., assignor.)
- Standard Comb Company. (See Legere, John P., assignor.)
- Standard Company. (See Dayton, James M., assignor.)
- Standard Compress and Warehouse Corporation. (See Rowley and Schranz, assignors.)
- Standard Computing Scale Company, The. (See Buckingham, Fremont H., assignor.)
- Standard Computing Scale Company, The. (See Jaenichen, Louis, assignor.)
- Standard Die & Specialty Company. (See Helwig, Oscar F., assignor.)
- Standard Electric Stove Co., The. (See Nicholas, Herman C., assignor.)
- Standard Elevator Interlock Company. (See Muckle and Straley, assignors.)
- Standard Felt Company. (See Barre, John R., assignor.)
- Standard Knitting Mills Company. (See Janes, Ralph R., assignor.)
- Standard Light Company. (See Connor, Herschel M., assignor.)
- Standard Machine Company. (See Houseman, Harry A., assignor.)
- Standard Motor Construction Company. (See Rlotte, Eugene A., assignor.)

Alphabetical list of patentees—Continued.

- Standard Motor Construction Company. (See Smith, Benjamin C., assignor.)
- Standard Nut Manufacturing Co. (See Roof, Charles R., assignor.)
- Standard Oil Company. (See Cash, Gentry, assignor.)
- Standard Oil Company. (See Cole, Howard E., assignor.)
- Standard Oil Company. (See Eaton, James F., assignor.)
- Standard Oil Company. (See Mann and Chappell, assignors.)
- Standard Oil Company of California. (See Quinn, John L., assignor.)
- Standard Oil Company of New York. (See Chamberlain, Horace P., assignor.)
- Standard Oil Company of New York, The. (See Hawkins, Charles H., assignor.)
- Standard Oil Company of New York. (See Helmuth, Frederick C., assignor.)
- Standard Optical Company, The. (See Bader and Howland, assignors.)
- Standard Optical Company, The. (See Howland, Chauncey W., assignor.)
- Standard Pail & Package Co. (See Gregory, Charles E., assignor.)
- Standard Paint Company, The. (See Abraham, Herbert, assignor.)
- Standard Parts Company, The. (See Butcher, Harry E., assignor.)
- Standard Parts Company, The. (See Clemens and Johnson, assignors.)
- Standard Parts Company, The. (See Fay, Thomas J., assignor.)
- Standard Parts Company, The. (See McIntyre, Michael M., assignor.)
- Standard Parts Company, The. (See McIntyre and Schultis, assignors.)
- Standard Parts Company, The. (See Pelton, Clyde S., assignor.)
- Standard Plunger Elevator Company. (See Dickinson, William N., assignor.)
- Standard Plunger Elevator Company. (See Dunn, Edward L., assignor.)
- Standard Pneumatic Action Co. (See Le Cato, John A., assignor.)
- Standard Register Company, The. (See Euchenhofer, Adolph F., assignor.)
- Standard Rivet Company, The. (See Niskanen, Carl, assignor.)
- Standard Roller Bearing Company, The. (See Woodward, Robert S., Jr., assignor.)
- Standard Rolling Mills. (See Shonberg, Isidore I., assignor.)
- Standard Sanitary Manufacturing Co. (See Muckenhirn, Charles H., assignor.)
- Standard Sewing Machine Company, The. (See Nelson, George W., assignor.)
- Standard Silica Brick Machinery Company. (See Avram, Moïse H., assignor.)
- Standard Spiral Pipe Works. (See Colby, Frank W., assignor.)
- Standard Steam Specialty Company, The. (See Pinder, Percy H., assignor.)
- Standard Steel Car Co. (See Anderson, Harry T., assignor.)
- Standard Steel Car Co. (See Barthel, Oliver E., assignor.)
- Standard Steel Car Company. (See Christianson, Andrew, assignor.)
- Standard Steel Works Company, The. (See Witter, Claude A., assignor.)
- Standard Tie Company, The. (See Smith, Milton E., assignor.)
- Standard Underground Cable Co. (See Baldwin, Chauncy C., assignor.)
- Standard Varnish Works. (See Beausejour, Reme A., assignor.)
- Standard Welding Company, The. (See Bryant, Richard S., assignor.)
- Standard Welding Company, The. (See Butcher, Harry E., assignor.)
- Standard Welding Company, The. (See Schumann, Frank J., assignor.)
- Standard Welding Company, The. (See Sessions, Frank L., assignor.)
- Standard Woven Fabric Company. (See Waite, Edwin E., assignor.)
- Standardized Products Company *et al.* (See Thornton, Charles W., assignor.)
- Standeford, Archie D., Kansas City, Mo. Shutter for moving-picture machines. No. 1,215,887; Feb. 13; v. 235; p. 530.
- Standeford, Robert P., Simla, Colo. Butt and casing gage. No. 1,243,456; Oct. 16; v. 243; p. 699.
- Standerwick, Reginald G., Lynn, Mass., assignor to General Electric Company. Gear and pulley device. No. 1,217,654; Feb. 27; v. 235; p. 1246.
- Standiford, Frank, Livermore, Cal. Folding egg-crate. No. 1,230,336; June 19; v. 239; p. 743.
- Standish, Edward K. (See Parker and Standish.)
- Standish, Edward K., Stoughton, and G. E. Stevens, Everett, assignors to Stevens Manufacturing Association, Boston, Mass. Underfeed stoker for boilers. No. 1,233,821; July 17; v. 240; p. 819.
- Standish, John F., Winthrop, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Work-support. No. 1,237,402; Aug. 21; v. 241; p. 674.
- Standish, John F., Winthrop, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Nail-sorting machine. No. 1,247,344; Nov. 20; v. 244; p. 718.
- Standish, Myles, Omaha, Nebr. Spark-plug. No. 1,247,345; Nov. 20; v. 244; p. 718.
- Standley, Cleo R., Boone, Iowa. Non-skid tire-chain. No. 1,213,290; Jan. 23; v. 234; p. 1106.
- Standley, John M., Logan, Utah. Land-leveler. No. 1,239,058; Sept. 4; v. 242; p. 108.
- Standley, Meredith G., Cincinnati, Ohio. Hand-stamp. No. 1,233,520; July 17; v. 240; p. 723.
- Standridge, Clarence W., Asher, Okla. Harmonic attachment for pianos. No. 1,234,814; July 31; v. 240; p. 1206.
- Stanek, William G., Renwick, Iowa. Transmission-gearing. No. 1,225,881; May 15; v. 238; p. 702.
- Stanfield, Earl E., Denver, Colo. Pan-lifter. No. 1,227,849; May 29; v. 238; p. 1433.
- Stanfield, James A., assignor of one-half to G. T. Prout, Covington, Ky. Chuck. No. 1,244,253; Oct. 23; v. 243; p. 977.
- Stanfield, Jasper H., Muskegon, assignor of one-half to F. C. Pangborn, Grand Rapids, Mich. Cutting device. No. 1,211,777; Jan. 9; v. 234; p. 512.
- Stanfield, Jasper H., assignor of one-half to F. C. Pangborn, Grand Rapids, Mich. Refrigerator-latch. No. 1,229,804; June 12; v. 239; p. 531.
- Stanfield, John W. (See Culp, Arthur J., assignor.)
- Stanford, Arthur L., Chicago, Ill. Rail-anchor tie-plate. No. 1,226,136; May 15; v. 238; p. 789.
- Stange, Charles H., Merrill, Wis. Noiseless gear-wheel. No. 1,235,734; Aug. 7; v. 241; p. 66.
- Stanger, Frank M., Denver, Colo. Amusement-card. No. 1,246,796; Nov. 13; v. 244; p. 524.
- Stanger, Morris, Brooklyn, N. Y. Vest. No. 1,250,693; Dec. 18; v. 245; p. 730.
- Stanhope, Arthur E., Bloomfield, N. J. Calipers. No. 1,237,114; Aug. 14; v. 241; p. 544.
- Stankewitz, Louis, New York, N. Y. Tobacco-box. No. 1,232,404; July 3; v. 240; p. 288.
- Stankowski, Franciszek, Baltimore, Md. Barrel-smoking oven. No. 1,230,050; June 12; v. 239; p. 609.
- Stanley, Ed, Hart, Mich. Sled attachment for automobiles. No. 1,229,161; June 5; v. 239; p. 264.
- Stanley, Ethel, *et al.* (See Stanley, Joseph, assignor.)
- Stanley, Frederick W., Washington, D. C. Automatic irrigation-nozzle. No. 1,226,137; May 15; v. 238; p. 790.
- Stanley, George E., Coventry, England. Driving mechanism. No. 1,238,950; Sept. 4; v. 242; p. 74.
- Stanley, Henry J. (See Lee, Harding, and Stanley.)
- Stanley, Horace M., Lodi, Cal. Rafter-cut indicator. No. 1,237,721; Aug. 21; v. 241; p. 776.
- Stanley, Irving, New York, N. Y. Muffler cut-out. No. 1,227,212; May 22; v. 238; p. 1190.
- Stanley, John. (See Martin and Stanley.)
- Stanley, John C. W., Santa Cruz, Cal. Distilling apparatus for kelp and the like. No. 1,212,579; Jan. 16; v. 234; p. 826.
- Stanley, Joseph, assignor of one-third to E. Stanley, one-third to E. B. Ayres, and one-third to I. B. Wike, Huntington, Ind. Automatic signaling apparatus for locomotives. No. 1,219,181; Mar. 13; v. 236; p. 487.
- Stanley Rule and Level Company, The. (See Bodmer, Christian, assignor.)
- Stanley Rule and Level Company, The. (See Bodmer and Ritter, assignors.)
- Stanley Rule & Level Company, The. (See Parker, Harry E., assignor.)
- Stanley Rule & Level Company, The. (See Schade, Edmund A., assignor.)
- Stanley Rule & Level Company, The. (See Schade and Hance, assignors.)
- Stanley, Shirley Q., Chicago, Ill. Mud-guard for motor-vehicles. No. 1,244,656; Oct. 30; v. 243; p. 1137.
- Stanley Vehicle Spring Company. (See Dilley, Arzeno J., assignor.)
- Stanley, William W. (See Smith and Stanley.)
- Stanley Works, The. (See Chamberlain, Valentine B., assignor.)
- Stanley Works, The. (See Fleischer, Herman, assignor.)
- Stanley Works, The. (See Holtzouser, Jacob P., assignor.)
- Stanley Works, The. (See Parsons, Stuart W., assignor.)
- Stannard, Earl T., Kennecott, Alaska, assignor to Kennecott Copper Corporation, New York, N. Y. Extracting metals from ores. No. 1,238,951; Sept. 4; v. 242; p. 74.
- Stannard, Joseph H., assignor to J. Stannard, Columbia, S. C. Draft-regulator and spark-arrester. No. 1,245,284; Nov. 6; v. 244; p. 42.
- Stannard, Josephine. (See Stannard, Joseph H., assignor.)
- Stannard, S. Grant, Long Beach, Cal. Vehicle-elevator. No. 1,220,702; Mar. 27; v. 236; p. 1085.
- Stansberry, Warren H., *et al.* (See Vorce, Albert F., assignor.)
- Stansbury, Joseph A., Los Angeles, Cal. Grinding-wheel-sharpening device. No. 1,245,814; Nov. 6; v. 244; p. 204.

- Stansbury, Paul S. (See Trumbower, David S., assignor.)
 Stansel, Marion K., Ty Ty, Ga. Mop. No. 1,250,375; Dec. 18; v. 245; p. 637.
 Stanton, Charles, Pendleton, Oreg. Combined transmission and gear shifting device. No. 1,236,225; Aug. 7; v. 241; p. 225.
 Stanton, Edwin S., Brooklyn, N. Y. Torpedo-guard. No. 1,235,076; July 31; v. 240; p. 1288.
 Stanton, Elmer A. (See Fitzjohn and Stanton.)
 Stanton, Frank M., Portsmouth, N. H. Internal-combustion engine. No. 1,234,228; July 24; v. 240; p. 986.
 Stanton, Frederick L. (See Fish, Gilbert D., assignor.)
 Stanton, Frederick L. (See Hanau, Rudolph L., assignor.)
 Stanton, George, and J. D. Walters, Braddock, Pa. Christmas-tree holder. No. 1,217,655; Feb. 27; v. 235; p. 1246.
 Stanton, George, and J. D. Walter, Braddock, Pa. Game apparatus. No. 1,222,693; Apr. 17; v. 237; p. 667.
 Stanton, Henry L., assignor to The Automatic Recording Safe Company, Chicago, Ill. Savings-bank. No. 1,243,356; Oct. 16; v. 243; p. 670.
 Stanton, John P., Detroit, Mich. Suspension device. No. 1,215,738; Feb. 13; v. 235; p. 476.
 Stanton, Le Roy W., Davenport, Iowa. Telephone system. No. 1,224,425; May 1; v. 238; p. 113.
 Stanton, Mary E. (See Fay, Patrick H., assignor.)
 Stanton, William A., et al. (See McCarty, Roy I., assignor.)
 Stanwood, James B., Cincinnati, Ohio, and H. M. Houston, assignors to The Houston, Stanwood & Gamble Company, Covington, Ky. Lathe. No. 1,235,393; July 31; v. 240; p. 1383.
 Stanwood, James B., Cincinnati, Ohio. Feed-water heater. No. 1,237,722; Aug. 21; v. 241; p. 777.
 Stanzig, Johann, and R. König, assignors of one-third to J. Rosenthal, Vienna, Austria. Fire-extinguisher. No. 1,235,505; July 31; v. 240; p. 1417.
 Stapf, Charles H., Prescott, Wis. Detachable link for fish-hook leaders. No. 1,235,854; Aug. 7; v. 241; p. 106.
 Stapish, George M., Chewelah, Wash. Gate. No. 1,237,835; Aug. 21; v. 241; p. 811.
 Staples, Albert F., New York, N. Y. Shovel. No. 1,241,677; Oct. 2; v. 243; p. 66.
 Staples, Elial M., Elizabeth, N. J. Automatic rebound-governor. No. 1,211,981; Jan. 9; v. 234; p. 588.
 Staples, Elial M., Elizabeth, N. J. Spring-shackle for vehicles. No. 1,222,248; Apr. 10; v. 237; p. 468.
 Staples, Jackson C., Pontiac, Mich. Buckle. No. 1,247,030; Nov. 20; v. 240; p. 628.
 Staples, John F., assignor to Boston Machine Works Company, Lynn, Mass. Seam-pressing machine. No. 1,234,950; July 31; v. 240; p. 1251.
 Stapleton, Charles A., and O. P. Burchfiel, Anthony, Kans. Oil-gage. No. 1,216,744; Feb. 20; v. 235; p. 884.
 Stapleton, Charles A., assignor of one-half to O. P. Burchfiel, Anthony, Kans. Safety appliance for motor-vehicle steering mechanism. No. 1,226,138; May 15; v. 238; p. 790.
 Stapleton, Joseph W. (See Mass, August G., assignor.)
 Staplin, Charles D. (See Collett, George A., assignor.)
 Star Fuse Co. (See Weinberg, Louis E., assignor.)
 Star Headlight & Lantern Co. (See Jacobs, Albert W., assignor.)
 Star, Richard, Newport, R. I. Apparatus for indicating the speed of ships. No. 1,239,978; Sept. 11; v. 242; p. 429.
 Star Seal Company. (See Doldt, John E., assignor.)
 Starbuck, D. A., et al. (See Binckley, George S., assignor.)
 Starbuck, Ernest, assignor to E. M. Smith, Peoria, Ill. Rubbing-post. No. 1,212,415; Jan. 16; v. 234; p. 767.
 Starbuck, Ernest, and W. A. Seelye, Peoria, Ill.; said Seelye assignor to F. Wilson, Mediapolis, Iowa. Window-screen. No. 1,250,376; Dec. 18; v. 245; p. 635.
 Starin, Frank, Springfield, Mass. Finishing ball-bearings. No. 1,224,680; May 1; v. 238; p. 201.
 Starin, Frank, Springfield, Mass. Grinding-machine. No. 1,229,162; June 5; v. 239; p. 264.
 Starin, Frank, Springfield, Mass. Ball and roller bearing. No. 1,241,296; Sept. 25; v. 242; p. 913.
 Starite Manufacturing Company. (See Helle, Warren W., assignor.)
 Stark, Andrew, Chicago, Ill. Reinforced railway-tie. No. 1,216,873; Feb. 20; v. 235; p. 928.
 Stark, Benjamin O., Stotesbury, Mo. Inflating system. No. 1,217,234; Feb. 27; v. 235; p. 1095.
 Stark, Edwin, et al. (See Chapin, Earl B., assignor.)
 Stark, Helon M., Williams, Ariz. Rotary wheel-harrow. No. 1,241,046; Sept. 25; v. 242; p. 831.
 Stark, Howard, Pawling, N. Y. Motor-vehicle. No. 1,223,633; Apr. 24; v. 237; p. 1023.
 Stark, John R., Racine, Wis. Magneto impulse starter. No. 1,235,077; July 31; v. 240; p. 1289.
 Stark, John R., and M. S. Harwell, Nashville, Tenn. Electric sign. No. 1,227,686; May 29; v. 238; p. 1377.
 Stark, John R., assignor to The Webster Electric Company, Racine, Wis. High-tension magneto. No. 1,240,615; Sept. 18; v. 242; p. 663.
 Stark, John R., Nashville, Tenn., assignor to The Owens-Stark Manufacturing Company. Adjustable bed-spring for beds, davenport, couches, and the like. No. 1,243,887; Oct. 23; v. 243; p. 868.
 Stark, Joseph C. (See Dial, Robert E., assignor.)
 Stark, Ola P., assignor of one-half to J. K. Demoss, Neodesha, Kans. Extension-feeder for grain threshers or separators. No. 1,232,405; July 3; v. 240; p. 288.
 Stark, William L., Hastings, Mich. Washing-machine. No. 1,217,656; Feb. 27; v. 235; p. 1246.
 Stark, William O., assignor to Bullock Tractor Co., Chicago, Ill. Traction-engine. No. 1,228,709; June 5; v. 239; p. 114.
 Starke, Gustave, New York, N. Y. Inner-tube protector. No. 1,220,568; Mar. 27; v. 236; p. 1040.
 Starker, Charles W., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Cover for dynamo-electric machines. No. 1,238,590; Aug. 28; v. 241; p. 1088.
 Starker, Heinrich, assignor to Firm of R. Bosch, Stuttgart, Germany. Adjusting mechanism. No. 1,216,745; Feb. 20; v. 235; p. 885.
 Starks, Christian J., Marco, La. Baling-press. No. 1,223,211; Apr. 17; v. 237; p. 843.
 Starn, Eugene M., Butte, Mont. Mounting for roller-shades. No. 1,232,729; July 10; v. 240; p. 429.
 Starner, Samuel L., Bucyrus, Ohio. Dump-wagon. No. 1,210,867; Jan. 2; v. 234; p. 168.
 Starner, Victor E., Chicago, Ill. Refinishing painted, varnished, or filed surfaces. No. 1,240,616; Sept. 18; v. 242; p. 663.
 Starr, Adolph, New Haven, Conn. Adjustable bushing. No. 1,242,066; Oct. 2; v. 243; p. 190.
 Starr, Bessie L., New Ulm, Minn. Corset. No. 1,248,570; Dec. 4; v. 245; p. 42.
 Starr, Jesse B. (See Ramey, William R., assignor.)
 Starr, John A., Knowles, Wis. Mail-catcher. No. 1,220,284; Mar. 27; v. 236; p. 940.
 Starr, Oliver F., Utica, assignor of one-half to E. A. Robinson, Mount Vernon, N. Y. Disposal of sewage by micro-organisms. No. 1,223,004; Apr. 17; v. 237; p. 772.
 Starr, Perl L., Weed, Cal. Locking means for clutch-levers. No. 1,224,034; Apr. 24; v. 237; p. 1161.
 Starr Piano Company, The. (See Ireton, Artie F., assignor.)
 Starr Piano Company, The. (See Maxwell, John S., assignor.)
 Starr, Samuel E. (See Haas, Victor E., assignor.)
 Starrett, Laroy S., Athol, Mass. Micrometer. No. 1,241,160; Sept. 25; v. 242; p. 867.
 Starrett, Laroy S., Athol, Mass. Micrometer. No. 1,241,161; Sept. 25; v. 242; p. 867.
 Starrett, Laroy S., assignor to The L. S. Starrett Company, Athol, Mass. Pliers. No. 1,210,558; Jan. 2; v. 234; p. 63.
 Starrett, Laroy S., assignor to The L. S. Starrett Company, Athol, Mass. Hacksaw-machine. No. 1,245,815; Nov. 6; v. 244; p. 204.
 Staser, Virgil A., Clearwater, Fla. Vehicle-wheel. No. 1,247,591; Nov. 20; v. 244; p. 788.
 Staszak, John, assignor of one-half to M. Staszak, Pulaski, Wis. Urinal. No. 1,226,716; May 22; v. 238; p. 1020.
 Staszak, Micheal. (See Staszak, John, assignor.)
 State, Alfred J., Montreal, Quebec, Canada. Automobile-fender. No. 1,211,887; Jan. 9; v. 234; p. 554.
 Staten Island Chemical Corporation. (See Foster, Wolcott C., assignor.)
 States, George M., Des Moines, Iowa. Self-feeder for threshing-machines. No. 1,220,901; Mar. 27; v. 236; p. 1152.
 States, Will T., and H. F. Lapp, Cleveland, Ohio. Bowling-pin setter. No. 1,217,235; Feb. 27; v. 235; p. 1095.
 Stathakis, Angel, assignor of one-half to T. F. Burke, Elizabeth, N. J. Carpet-cleaner. No. 1,244,139; Oct. 23; v. 243; p. 942.
 Statham, Nathaniel. (See Elkins and Smith, assignors.)
 Stathopoulos, Epaminondas A., New York, N. Y. Banjo construction. No. 1,248,196; Nov. 27; v. 244; p. 994.
 Staton, Harry C., Burlington, Iowa. Wire-clamp. No. 1,231,804; July 3; v. 240; p. 91.
 Staub, Herbert A., Mascoutah, Ill. Lock-nut. No. 1,250,044; Dec. 11; v. 245; p. 497.
 Staub, Rudolf, Winterthur, Switzerland. Valve-gearing. No. 1,235,610; Aug. 7; v. 241; p. 27.
 Stauber, Benjamin F., Spokane, Wash. Water-elevator. No. 1,241,297; Sept. 25; v. 242; p. 913.
 Stäubli, Gebr. (See Bischof, Ulrich, assignor.)
 Staude, Edwin G., Minneapolis, Minn. Vaporizer. No. 1,214,838; Feb. 6; v. 235; p. 122.
 Staude, Edwin G., assignor to E. G. Staude Manufacturing Co., Minneapolis, Minn. Variable-speed gearing. No. 1,220,373; Mar. 27; v. 236; p. 971.
 Stauffer, Wilson C., et al. (See Souder, Frederick H., assignor.)
 Stauff, Daniel B., Uniontown, Pa. Coal-loader. No. 1,246,673; Nov. 13; v. 244; p. 488.
 Staunton, Gray, Muskegon, Mich. Apparatus for drying grain. No. 1,212,275; Jan. 16; v. 234; p. 719.
 Staunton, Gray, Muskegon, Mich. Cleansing wool. No. 1,213,966; Jan. 30; v. 234; p. 1369.
 Staunton, Gray, Muskegon, Mich., assignor to Staunton Jar Corporation, Buffalo, N. Y. Closure means for hermetically-sealed jars. No. 1,212,274; Jan. 16; v. 234; p. 719.
 Staunton Jar Corporation. (See Staunton, Gray, assignor.)

Alphabetical list of patentees—Continued.

- Stauss, Carl E., Homestead, Pa. Rail-brace. No. 1,236,495; Aug. 14; v. 241; p. 343.
- Stauss, Carl E., Homestead, Pa. Rail-brace. No. 1,244,657; Oct. 30; v. 243; p. 1137.
- Stava, Fred R., Milroy, Minn. Spring-wheel. No. 1,246,177; Nov. 13; v. 244; p. 338.
- Stave, Theodore, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Globe for electric-arc lamps. No. 1,234,951; July 31; v. 240; p. 1251.
- Staver, Byron E., Virginia, Minn. Valve mechanism for internal-combustion engines. No. 1,230,613; June 19; v. 239; p. 835.
- Staves, Chester A., and J. Anderson, Tulsa, Okla., assignors of two-thirds to said Staves and one-third to said Anderson. Automobile-lamp. No. 1,235,078; July 31; v. 240; p. 1289.
- Stawicki, Ludwik, Muskegon, Mich. Ash-sifter. No. 1,219,600; Mar. 20; v. 236; p. 662.
- Ste Marie, J. Alphonse, Laprairie, Quebec, Canada. Respirator. No. 1,221,387; Apr. 3; v. 237; p. 135.
- Stead, Ernest, Binghamton, N. Y. Pliers. No. 1,225,074; May 8; v. 238; p. 386.
- Stead, Ernest, Binghamton, N. Y. Lens grinding and polishing machine. No. 1,230,530; June 19; v. 239; p. 807.
- Stead, Ernest, Binghamton, N. Y. Machine for producing curved surfaces. No. 1,247,735; Nov. 27; v. 244; p. 864.
- Steadman, Frank M., Washington, D. C. Automatic focusing device for cameras. No. 1,244,254; Oct. 23; v. 243; p. 977.
- Stearns, Jason C., Worcester, Mass. Connector. No. 1,212,276; Jan. 16; v. 234; p. 719.
- Stearns, Jason C., Worcester, Mass. Socket-piece for electric lamps. No. 1,218,485; Mar. 6; v. 236; p. 205.
- Stearns, Lowell H., Fitchburg, Mass. Passenger-stile for railways. No. 1,216,179; Feb. 13; v. 235; p. 636.
- Stearns, Walter A., Chicago, Ill., assignor to American Steel Foundries, New York, N. Y. Car-underframe. No. 1,241,047; Sept. 25; v. 242; p. 831.
- Stearns, Willard W., Holyoke, Mass. Weft binding and cutting device for looms. No. 1,219,182; Mar. 13; v. 236; p. 487.
- Stebbins, Benjamin F., and B. W. Forehand, Mullin, Tex. Insect-collecting attachment. No. 1,243,888; Oct. 23; v. 243; p. 869.
- Stebbins, Carl G., and A. Gelow, assignors to The Warren Featherbone Company, Three Oaks, Mich. Treating keratin bodies. No. 1,219,787; Mar. 20; v. 236; p. 727.
- Stebbins, Carl G., and A. Gelow, assignors to The Warren Featherbone Company, Three Oaks, Mich. Quill boning. No. 1,231,089; June 26; v. 239; p. 1035.
- Stebbins, Frank E., Washington, D. C. Compartment-car. No. 1,231,805; July 3; v. 240; p. 91.
- Stebbins, Frank E., Washington, D. C. Compartment-car. No. 1,231,806; July 3; v. 240; p. 91.
- Stebbins, George A., Watertown, N. Y. Apparatus for making bisulphite liquor. No. 1,224,578; May 1; v. 238; p. 166.
- Stebbins, James H., Jr., New York, N. Y. Dyestuffs. No. 1,235,253; July 31; v. 240; p. 1341.
- Stebbins, Timothy, assignor to Red Jacket Mfg. Co., Daventry, Iowa. Float-valve. No. 1,226,139; May 15; v. 238; p. 790.
- Stebbins, Timothy, assignor to Red Jacket Mfg. Co., Daventry, Iowa. Pump. No. 1,226,140; May 15; v. 238; p. 790.
- Stechan, Frank W., Oakland, Cal. Adjustable and reversible book-mark. No. 1,232,116; July 3; v. 240; p. 197.
- Stechbart, Arthur, Chicago, Ill. Portable talking-machine. No. 1,230,614; June 19; v. 239; p. 836.
- Stecher, Frank A., assignor to Stecher Lithographic Co., Rochester, N. Y. Display-rack. No. 1,230,234; June 19; v. 239; p. 709.
- Stecher Lithographic Co. (See Stecher, Frank A., assignor.)
- Steckel, Abram P., Buffalo, N. Y. Internal-combustion motor. No. 1,220,285; Mar. 27; v. 236; p. 940.
- Steckel, Horace B. (See Steffy and Steckel.)
- Stecker, Alfred J., assignor to F. Wardell, Detroit, Mich. Handle device for vacuum-cleaners. No. 1,231,445; June 26; v. 239; p. 1152.
- Stecker, Alfred J., assignor to F. Wardell, Detroit, Mich. Handle connection for vacuum-cleaners. No. 1,234,578; July 24; v. 240; p. 1100.
- Stecker, Frank X. (See Braun, Luther H., assignor.)
- Steckle, Edward J., Dixon, Ill. Separating device. No. 1,210,868; Jan. 2; v. 234; p. 168.
- Steckle, Edward J., Dixon, Ill. Separator for grinding-mills. No. 1,244,788; Oct. 30; v. 243; p. 1177.
- Steckle, Edward J., Dixon, Ill. Pneumatic separator for pulverizing-mills. No. 1,246,344; Nov. 13; v. 244; p. 389.
- Steczynski, Myron E., Cambridge Springs, Pa. Drafting instrument. No. 1,243,568; Oct. 16; v. 243; p. 732.
- Steddom, Anna E. (See Garnier, Thomas R., assignor.)
- Stedman, Seymour. (See Gardner, Benjamin F., assignor.)
- Steedman, Edwin H., St. Louis, Mo. Forming hollow forgings. No. 1,212,120; Jan. 9; v. 234; p. 632.
- Steedman, Edwin H., St. Louis, Mo. Forging apparatus. No. 1,251,128; Dec. 25; v. 245; p. 909.
- Steedman, George F., St. Louis, assignor to Curtis & Co. Mfg. Co., Wellston, Mo. Unloading-valve for compressors. No. 1,215,071; Feb. 6; v. 235; p. 207.
- Steedman, George F., St. Louis, assignor to Curtis & Co. Mfg. Co., Wellston, Mo. Tire-inflating apparatus. No. 1,239,737; Sept. 11; v. 242; p. 353.
- Steel Grip Company. (See Smith, Alva B., assignor.)
- Steel, John B., and H. Follis, Orillia, Ontario, Canada. Seeding attachment. No. 1,229,342; June 12; v. 239; p. 376.
- Steel, John R., San Francisco, Cal. Gas and shrapnel land-mine. No. 1,239,134; Sept. 4; v. 242; p. 134.
- Steel Products Company, The. (See Spire, William H., assignor.)
- Steel Utilities. (See Frelinghuysen, George G., assignor.)
- Steel Utilities. (See Hawthorne, Louis A., assignor.)
- Steel Utilities. (See Morgan, John D., assignor.)
- Steel Utilities. (See Morgan and Hawthorne, assignors.)
- Steel Utilities. (See Payne, Theodore P., assignor.)
- Steel Utilities. (See Payne and Wurts, assignors.)
- Steel Utilities. (See Wurts, Edward V., assignor.)
- Steel Utilities. (See Wurts and Hawthorne, assignors.)
- Steel Utilities. (See Wurts and Swinbank, assignors.)
- Steele, Benjamin M., Detroit, Mich. Steering-gear for vehicles. No. 1,243,889; Oct. 23; v. 243; p. 869.
- Steele, Benjamin M., Peoria, Ill., assignor to Peoria Drill and Seeder Company. Broadcast seeder. No. 1,212,835; Jan. 16; v. 234; p. 916.
- Steele, Benjamin M., assignor to Peoria Drill and Seeder Co., Peoria, Ill. Agricultural implement. No. 1,226,920; May 22; v. 238; p. 1091.
- Steele, Charles B., New York, N. Y. Motor-vehicle. No. 1,214,968; Feb. 6; v. 235; p. 170.
- Steele, Charles B., New York, N. Y. Gearing. No. 1,222,155; Apr. 10; v. 237; p. 435.
- Steele, Charles B., New York, N. Y. Passenger-car. No. 1,224,681; May 1; v. 238; p. 201.
- Steele, Charles B., New York, N. Y. Gas-generator. No. 1,227,974; May 29; v. 238; p. 1476.
- Steele, Charles B., New York, N. Y. Ticket. No. 1,231,807; July 3; v. 240; p. 92.
- Steele, Clarence M., Statesville, N. C. Die or former. No. 1,220,902; Mar. 27; v. 236; p. 1152.
- Steele, Harry A. (See Lawrence and Steele.)
- Steele, Herbert H., Marcellus, assignor, by mesne assignments to Remington Typewriter Company, Ilion, N. Y. Combined type-writing and computing machine. No. 1,222,694; Apr. 17; v. 237; p. 667.
- Steele, James H., Pendleton, England. Machine for the manufacture of glass bottles, jars, and the like. No. 1,213,291; Jan. 23; v. 234; p. 1106.
- Steele, James H., Pendleton, England. Machine for the manufacture of glass bottles, jars, and the like. No. 1,234,406; July 24; v. 240; p. 1046.
- Steele, James R., Owego, N. Y. Anticreeper. No. 1,245,056; Oct. 30; v. 243; p. 1257.
- Steele, James R., Owego, N. Y. Anticreeper. No. 1,249,687; Dec. 11; v. 245; p. 394.
- Steele, James R., Jr., assignor to Steele Rail Anchor Company, Inc., Owego, N. Y. Rail-fastening. No. 1,224,426; May 1; v. 238; p. 113.
- Steele, Joseph T., Windsor, Ill. Corn-planter. No. 1,223,838; Apr. 24; v. 237; p. 1095.
- Steele, Louis J. (See Philip and Steele.)
- Steele, Michael T., Brooklyn, N. Y. Stopper for water-bags, bottles, and the like. No. 1,236,619; Aug. 14; v. 241; p. 383.
- Steele Rail Anchor Company. (See Steele, James R., assignor.)
- Steele, Robert J., Newport News, Va., assignor of one-half to W. C. Tucker, Raleigh, N. C. Hanger. No. 1,230,440; June 19; v. 239; p. 776.
- Steele, Thomas, assignor to The Columbus Dental Manufacturing Company, Columbus, Ohio. Carding device for artificial teeth. No. 1,248,030; Nov. 27; v. 244; p. 947.
- Steele, William P. (See Vincent and Steele.)
- Steelquist, John, Portland, Ore. Irrigating and draining system. No. 1,231,308; June 26; v. 239; p. 1106.
- Steelquist, John, Portland, Ore. Apparatus for treating soil. No. 1,247,166; Nov. 20; v. 244; p. 668.
- Steely, Dale G., Cambridge, Mass. Method and apparatus for coating chocolates. No. 1,226,824; May 22; v. 238; p. 1059.
- Steely, John S. (See McCown, Charles F., assignor.)
- Steen, Allen M., Crafton, Pa. Sanding device. No. 1,247,592; Nov. 20; v. 244; p. 789.
- Steen, Charles W., Norwood, Ohio, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Brush-lifting mechanism. No. 1,228,710; June 5; v. 239; p. 114.
- Steen, Halfdan A., Norwood, Ohio, assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Circuit-breaker. No. 1,211,778; Jan. 9; v. 234; p. 513.
- Steen, Halfdan A., Norwood, Ohio, assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Switch. No. 1,224,337; May 1; v. 238; p. 80.
- Steen, Halfdan A., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Switch. No. 1,220,569; Mar. 27; v. 236; p. 1040.
- Steen, John I., Waukegan, Ill. Lock. No. 1,251,129; Dec. 25; v. 245; p. 909.

- Steen, Robert W., Jackson county, assignor to Universal Fence Manufacturing & Equipment Company, Kansas City, Mo. Device for making wire stays. No. 1,246,345; Nov. 13; v. 244; p. 390.
- Stenson, Jesse G., Minneapolis, Minn. Gas-burner. No. 1,227,086; May 22; v. 238; p. 1149.
- Steeple, Reginald C., Spokane, Wash. Chandelier. No. 1,241,777; Oct. 2; v. 243; p. 98.
- Steerup, Petrarch A. G., assignor to The W. K. Jahn Co., Chicago, Ill. Container and pasteurizing the same. No. 1,221,886; Apr. 3; v. 237; p. 135.
- Stees, Edward W., *et al.* (See Bunnell, Morton G., assignor.)
- Steeze, Marcus C., Youngstown, Ohio. Apparatus for controlling hydraulic pumps. No. 1,248,743; Dec. 4; v. 245; p. 95.
- Steeves, Lorne W. (See Purvis and Steeves.)
- Stefanowski, Albert, Milwaukee, Wis. Life-preserver. No. 1,237,404; Aug. 21; v. 241; p. 674.
- Steffan, Frank, Riverside, Cal. Container. No. 1,227,338; May 22; v. 238; p. 1232.
- Steffan, Joseph J., and C. G. Scilligo, St. Louis, Mo. Screen. No. 1,235,735; Aug. 7; v. 241; p. 66.
- Steffen, Catherine. (See Faas, Walter, assignor.)
- Steffen, Diedrich, Kearney, N. J. Bed. No. 1,245,131; Oct. 30; v. 243; p. 1280.
- Steffenberg, Arthur J., Pittsburgh, Pa. Pipe-threading die. No. 1,241,048; Sept. 25; v. 242; p. 831.
- Steffens, Fred, St. Joseph, Mo. Car. No. 1,225,882; May 15; v. 238; p. 702.
- Steffens, Walter L., Cincinnati, assignor to The Philip Carey Manufacturing Company, Lockland, Ohio. Underground-pipe-covering system. No. 1,227,087; May 22; v. 238; p. 1149.
- Steffy, Willis W., Kutztown, and H. B. Steckel, Slatington, Pa. Signal device. No. 1,227,975; May 29; v. 238; p. 1477.
- Stegall, Walter F., Concord, N. C. Water-elevator. No. 1,227,014; May 22; v. 238; p. 1125.
- Steger, Charles C., Dayton, Ohio. Arch-supporter. No. 1,210,869; Jan. 2; v. 234; p. 169.
- Steger & Sons Piano Manufacturing Company. (See Matson, Julius, assignor.)
- Stegmayer, Charles, Newark, N. J., assignor, by mesne assignments, to H. A. Pike, New York, N. Y. Making glazed ceramic wares. No. 1,245,285; Nov. 6; v. 244; p. 43.
- Stehli, Henry J., Montclair, N. J., assignor to Dwight & Lloyd Metallurgical Company. Feeding mechanism. No. 1,215,739; Feb. 13; v. 235; p. 476.
- Steichen, Joseph H., Woonsocket, S. D. Engine-priming apparatus. No. 1,249,234; Dec. 4; v. 245; p. 234.
- Steidle, Lewis, Mauch Chunk, Pa. Air-line-pipe connection. No. 1,221,240; Apr. 3; v. 237; p. 84.
- Steig, Anna L., Churchs Ferry, N. D. Clothes-hanger. No. 1,214,606; Feb. 6; v. 235; p. 44.
- Stein, Abe. (See Lovejoy, John F., assignor.)
- Stein, Joseph. (See Grubman, Leo, assignor.)
- Stein, Leo, Newark, N. J., assignor of one-half to J. C. Dehls, Brooklyn, N. Y. Extract for carbonated beverages. No. 1,237,723; Aug. 21; v. 241; p. 777.
- Stein, Solomon, Saratoga Springs, N. Y. Attachment for keys. No. 1,237,115; Aug. 14; v. 241; p. 545.
- Steinbach, George P., Baltimore, Md. Combined coaster and rocker. No. 1,250,045; Dec. 11; v. 245; p. 498.
- Steinbart, Alfred, Pittsburgh, Pa. Draft-gage. No. 1,225,883; May 15; v. 238; p. 703.
- Steinbaugh, Olie. (See Dempsey and Steinbaugh.)
- Steinbecker, Karl, Charlottenburg, near Berlin, Germany. Device for driving internal-combustion engines. No. 1,235,611; Aug. 7; v. 241; p. 27.
- Steinberg, William H., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electrical insulation. No. 1,233,415; July 17; v. 240; p. 688.
- Steinberg, William H., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electrical insulating composition and making the same. No. 1,233,416; July 17; v. 240; p. 688.
- Steinberger, Louis, Brooklyn, N. Y. Disk-type chain insulator. No. 1,212,703; Jan. 16; v. 234; p. 872.
- Steinberger, Louis, Brooklyn, N. Y. Disk strain-insulator. No. 1,212,704; Jan. 16; v. 234; p. 872.
- Steinberger, Louis, Brooklyn, N. Y. Telephone-receiver casing. No. 1,212,705; Jan. 16; v. 234; p. 873.
- Steinberger, Louis, Brooklyn, N. Y. Disk strain-insulator. No. 1,212,706; Jan. 16; v. 234; p. 873.
- Steinberger, Louis, Brooklyn, N. Y. Detachable connection for chain-links. No. 1,212,707; Jan. 16; v. 234; p. 873.
- Steinberger, Louis, Brooklyn, N. Y. Wire-clamp. No. 1,212,708; Jan. 16; v. 234; p. 874.
- Steinberger, Louis, Brooklyn, N. Y. Disk strain-insulator. No. 1,223,909; Apr. 24; v. 237; p. 1119.
- Steinberger, Louis, Brooklyn, N. Y. Connecting device for chain-type insulators. No. 1,228,711; June 5; v. 239; p. 115.
- Steinberger, Louis, Brooklyn, N. Y. Suspension means for strain-insulators. No. 1,231,090; June 26; v. 239; p. 1035.
- Steinberger, Louis, Brooklyn, N. Y. Telephone-mouthpiece. No. 1,249,849; Dec. 11; v. 245; p. 442.
- Steinbuch, Ewald. (See Piguet, Steinbuch, and Stocker.)
- Steindorff, Otto W., Wheeling, W. Va. Relieving attachment for lathes. No. 1,214,236; Jan. 30; v. 234; p. 1461.
- Steinemann, William A., Los Angeles, Cal. Unfermented malt beverage and preparing the same. No. 1,237,724; Aug. 21; v. 241; p. 777.
- Steiner, Cirill J., Cleveland, Ohio. Key-retainer. No. 1,242,257; Oct. 9; v. 243; p. 290.
- Steiner, Fred W. (See Walton, Frank A., assignor.)
- Steiner, Moses, Bluffton, Ohio. House. No. 1,215,740; Feb. 13; v. 235; p. 477.
- Steiner & Son. (See Van Kirk, John P., assignor.)
- Steinert, Albert M., Providence, R. I. Electrical attachment for self-playing musical instruments. No. 1,217,358; Feb. 27; v. 235; p. 1137.
- Steinert, Albert M., Providence, R. I. Auxiliary-percussive-instrument attachment for self-playing musical instruments. No. 1,217,359; Feb. 27; v. 235; p. 1138.
- Steinert, John A., assignor of one-half to J. G. Petermann, New York, N. Y. Hernia-truss. No. 1,239,314; Sept. 4; v. 242; p. 190.
- Steinfeld, Arnold L., *et al.* (See Lehman, Isador, assignor.)
- Steinfeld, Edwin, *et al.* (See Lehman, Isador, assignor.)
- Steinhauer, August, and T. D. Van Eiten, Sidney, Ohio. Double-acting pump. No. 1,213,917; Jan. 30; v. 234; p. 1353.
- Steininger, Darius A., Laporte, Ind. Primer for internal-combustion engines. No. 1,221,620; Apr. 3; v. 237; p. 216.
- Steinke, Arthur J. (See Roebuck and Steinke.)
- Steinke, Bernard A. (See Marx and Steinke.)
- Steinle, William J. (See Price and Steinle.)
- Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Condensation product. No. 1,215,072; Feb. 6; v. 235; p. 208.
- Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Protective device. No. 1,230,615; June 19; v. 239; p. 836.
- Steinmetz, Charles P., Schenectady, N. Y., assignor to General Electric Company. Alternating-current motor. No. 1,239,979; Sept. 11; v. 242; p. 430.
- Steinmetz, Edward G. (See Smith and Steinmetz.)
- Steinmetz, Joseph A. (See Robinson, Edwin L., assignor.)
- Steinmetz, Joseph A., Philadelphia, Pa. Ordnance-projectile. No. 1,211,001; Jan. 2; v. 234; p. 216.
- Steinmetz, Joseph A., Philadelphia, Pa. Wire-entanglement shooter-cutter. No. 1,211,779; Jan. 9; v. 234; p. 513.
- Steinmetz, Joseph A., Philadelphia, Pa. Destroying aircraft. No. 1,217,657; Feb. 27; v. 235; p. 1247.
- Steinmetz, Joseph A., Philadelphia, Pa. Destruction of submarines. No. 1,218,586; Mar. 6; v. 236; p. 240.
- Steinmetz, Joseph A., Philadelphia, Pa. Artillery-ammunition package. No. 1,218,814; Mar. 13; v. 236; p. 362.
- Steinmetz, Joseph A., Philadelphia, Pa. Torpedo and submarine guard. No. 1,219,879; Mar. 20; v. 236; p. 760.
- Steinmetz, Joseph A., Philadelphia, Pa. Cleaning periscope-glasses. No. 1,222,156; Apr. 10; v. 237; p. 435.
- Steinmetz, Joseph A., Philadelphia, Pa. Submarine warfare. No. 1,222,498; Apr. 10; v. 237; p. 556.
- Steinmetz, Joseph A., Philadelphia, Pa. Aeromarine torpedo. No. 1,223,212; Apr. 17; v. 237; p. 844.
- Steinmetz, Joseph A., Philadelphia, Pa. Projectile. No. 1,223,634; Apr. 24; v. 237; p. 1023.
- Steinmetz, Joseph A., Philadelphia, Pa. Protecting from poisonous gas in warfare. No. 1,225,521; May 8; v. 238; p. 538.
- Steinmetz, Joseph A., Philadelphia, Pa. Grenade. No. 1,225,884; May 15; v. 238; p. 703.
- Steinmetz, Joseph A., Philadelphia, Pa. Submersible torpedo-discharging turret. No. 1,247,889; Nov. 27; v. 244; p. 909.
- Steinmetz, Joseph A., Baltimore, Md. Beer-cooler. No. 1,244,140; Oct. 23; v. 243; p. 943.
- Steinmeyer, John W. (See Elliott and Steinmeyer.)
- Steinway, Theodore E., New York, N. Y. Sostenuto device for pianos. No. 1,214,237; Jan. 30; v. 234; p. 1461.
- Stellmacher, Wilhelm A., Arbon, Switzerland. Embroidering-machine. No. 1,223,439; Apr. 24; v. 237; p. 953.
- Stelzner, Hermann, assignor to Drägerwerk, Heinrich & Bernh. Dräger, Lübeck, Germany. Diving-gear. No. 1,238,952; Sept. 4; v. 242; p. 74.
- Stemple, Wade H., Aurora, W. Va. Alternate driving-gearing for freezers. No. 1,220,903; Mar. 27; v. 236; p. 1153.
- Stenberg, Charles R., Genoa, Nebr. Dirigible headlight. No. 1,224,804; May 1; v. 238; p. 243.
- Stender, William, Milwaukee, Wis. Annealing-oven. No. 1,247,890; Nov. 27; v. 244; p. 909.
- Stenhouse, Thomas, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Mechanism for delivering glass from a furnace or the like. No. 1,236,496; Aug. 14; v. 241; p. 343.
- Stening, Ernst N., Söderköping, Sweden. Portable table. No. 1,214,724; Feb. 6; v. 235; p. 86.
- Stenitzer, John, St. Louis, Mo. Surface-gage. No. 1,251,437; Dec. 25; v. 245; p. 1000.
- Stenman, Axel C., Jamaica Plain, Mass., assignor to Independent Button Fastener Machine Company. Button-feeding mechanism for button-attaching machines. No. 1,224,972; May 8; v. 238; p. 352.

- Stenquist, John L., New York, N. Y. Saw-gulde. No. 1,245,816; Nov. 6; v. 244; p. 205.
- Stenson, Gustaf A., Cokato, Minn. Station or street indicator. No. 1,234,815; July 31; v. 240; p. 1206.
- Stensrud, John A., assignor of one-fourth to O. J. Bolstad, Scottsguard, Saskatchewan, Canada. Washing-machine. No. 1,213,704; Jan. 23; v. 234; p. 1249.
- Stenstrom, Helfrid, Philadelphia, Pa. Monogram-stamp. No. 1,211,498; Jan. 9; v. 234; p. 417.
- Stentor Electric Manufacturing Co. (See Spence, Jesse L., assignor.)
- Stenz, Bernard F., assignor to Simplex Lithograph Company, New York, N. Y. Sample-card. No. 1,236,118; Aug. 7; v. 241; p. 190.
- Stepanoff, Peter, Petrograd, Russia. Shrapnel-loading machine. No. 1,229,666; June 12; v. 239; p. 485.
- Stephan, C. H. (See Hickman, Samuel L., assignor.)
- Stephan, Charles H., Springfield, Ohio. Nozzle. No. 1,233,417; July 17; v. 240; p. 688.
- Stephan, Edith W., Cleveland, Ohio. Surgical cotton-point. No. 1,210,720; Jan. 2; v. 234; p. 119.
- Stephan, George, *et al.* (See Stallings, Francis J., assignor.)
- Stephan, Walter G. (See Beard and Stephan.)
- Stephany, Ludwig, and O. Grupp, Philadelphia, Pa. Amusement device. No. 1,212,277; Jan. 16; v. 234; p. 720.
- Stephens-Adamson Mfg. Co. (See Stephens, Wiley W., assignor.)
- Stephens, Charles D., assignor of one-half to J. A. Bachman, Austin, Tex. Demountable rim and felly-band. No. 1,224,511; May 1; v. 238; p. 142.
- Stephens, David D., Louisville, Ala. Insect-catcher. No. 1,220,286; Mar. 27; v. 236; p. 941.
- Stephens, Dewey D., Ainsworth, Iowa. Seeder and harrow. No. 1,218,712; Mar. 13; v. 236; p. 323.
- Stephens, Floyd C. (See Fitch and Stephens.)
- Stephens, George B. (See Hopper, Stephens, and Young.)
- Stephens, Hugh T., Carmarthen, assignor to Mustikon Limited, Cardiff, Wales. Puncture-mending device. (Reissue.) No. 14,405; Dec. 4; v. 245; p. 257.
- Stephens, James O., Big Island, Va., assignor of one-third to J. M. Stephens and one-third to H. Randolph, McComas, W. Va. Internal-combustion engine. No. 1,212,581; Jan. 16; v. 234; p. 827.
- Stephens, John M., *et al.* (See Stephens, James O., assignor.)
- Stephens, Joseph, Berkeley, Cal. Window construction. No. 1,246,346; Nov. 13; v. 244; p. 390.
- Stephens, Joseph W. (See Long and Stephens.)
- Stephens, Lee, assignor of one-half to J. H. Greer, Fort Worth, Tex. Visual automatic-setback annunciator. No. 1,234,504; July 24; v. 240; p. 1077.
- Stephens, Louis K., Dallas, assignor, by mesne assignments, to Garner Regim Machinery Company, Houston, Tex. Cotton-reginning machine. No. 1,215,741; Feb. 13; v. 235; p. 477.
- Stephens, Wiley W., Aurora, Ill., assignor to Stephens-Adamson Mfg. Co. Power-transmission device. No. 1,222,336; Apr. 10; v. 237; p. 499.
- Stephens, William, East Liverpool, Ohio. Motion-figure. No. 1,216,874; Feb. 20; v. 235; p. 928.
- Stephens, William A. (See Woeste, Louis B., assignor.)
- Stephens, William C., Cornwall, England. Rock-drilling machine. No. 1,214,607; Feb. 6; v. 235; p. 44.
- Stephenson, Arthur, assignor to Acetylene Illuminating Company, Limited, Lambeth, England. Storing of gases under pressure. No. 1,230,531; June 19; v. 239; p. 807.
- Stephenson, Axel G. (See Barsby, Stephenson, and Browne.)
- Stephenson, Benjamin F., Edmonton, Alberta, Canada. Electric-horn control. No. 1,212,709; Jan. 16; v. 234; p. 874.
- Stephenson, Burr C., South Bend, Ind., assignor, by mesne assignments, to E. Rosenfeld & Company, Baltimore, Md. Union-pajamas. No. 1,211,002; Jan. 2; v. 234; p. 216.
- Stephenson, Charles H. (See Flatter and Case, assignors.)
- Stephenson, Charles H., Lynn, Mass. Earth-closet. No. 1,222,157; Apr. 10; v. 237; p. 437.
- Stephenson, Earl J. (See Eldison and Stephenson.)
- Stephenson, George F., Luzerne, Pa. Fire-extinguisher. No. 1,217,236; Feb. 27; v. 235; p. 1096.
- Stephenson, Lowell H., San Francisco, Cal. Check-protector. No. 1,228,844; June 5; v. 239; p. 161.
- Stephenson, Walter E., Roosevelt, N. Y. Power-actuated engraving-tool. No. 1,216,007; Feb. 13; v. 235; p. 573.
- Stephenson, Walter E., Roosevelt, N. Y. Motor-radiator air-draft control. No. 1,220,794; Mar. 27; v. 236; p. 1115.
- Stephenson, William G., Buenos Aires, Argentina. Coupling device or apparatus for the vestibules or gangways of corridor rolling-stock for railways. No. 1,228,616; June 5; v. 239; p. 82.
- Stepian, Joseph. (See Smith and Stepien.)
- Steps, Robert A. (See Binkley and Steps.)
- Ster, Edward F., assignor to E. O. Schweltzer, Chicago, Ill. Electric-machine brush. No. 1,246,825; Nov. 13; v. 244; p. 533.
- Sterling, Vincent J., Berlin, Conn. Cap-vizor. No. 1,232,992; July 10; v. 240; p. 514.
- Sterling Corporation, The. (See Longoria, Antonio, as signor.)
- Sterling, Edward C., Beaver Falls, Pa. Photographic-printing device. No. 1,230,532; June 19; v. 239; p. 807.
- Sterling Engine Company. (See Larkin, Elwood T., assignor.)
- Sterling, Frank W., and R. A. Koch, U. S. Navy. Navigation-protactor. No. 1,226,141; May 15; v. 238; p. 791.
- Sterling, John L., assignor to Sterling Salt Brick Company, Pittsburgh, Pa. Salt brick and making same. No. 1,244,141; Oct. 23; v. 243; p. 943.
- Sterling Motor Truck Company. (See Wollensak, Arthur C., assignor.)
- Sterling Salt Brick Company. (See Sterling, John L., assignor.)
- Stern, Arnold, Hollis, N. Y. Transfer-mount for embroidery. (Reissue.) No. 14,399; Nov. 27; v. 244; p. 1066.
- Stern, Bernhard, New York, N. Y. Display-rack. No. 1,230,051; June 12; v. 239; p. 609.
- Stern, Carl S., *et al.* (See Lee, Robert W., assignor.)
- Stern-Coleman Diamond Machine Company. (See Coleman, Clyde J., assignor.)
- Stern, Herman, *et al.*, executors. (See Lehman, Isador.)
- Stern, Hermann, Munich, Germany. Manufacture of diolefin, (isoprene), caoutchouc, and caoutchouc-like substances. No. 1,218,332; Mar. 6; v. 236; p. 156.
- Stern, Hermann, Munich, Germany. Production of caoutchouc-like bodies. No. 1,218,713; Mar. 13; v. 236; p. 323.
- Stern, Joseph, Amityville, N. Y. Electric-battery lamp. No. 1,247,346; Nov. 20; v. 244; p. 718.
- Stern, Louie, New York, N. Y. Lock. No. 1,215,888; Feb. 13; v. 235; p. 530.
- Stern, Milton C., assignor to The Egly Register Company, Dayton, Ohio. Manifolding device. No. 1,247,891; Nov. 27; v. 244; p. 910.
- Stern, Newton W. (See Westling and Andersen, assignors.)
- Stern, Percival, New Orleans, La. Means for starting internal-combustion engines. No. 1,242,258; Oct. 9; v. 243; p. 291.
- Sternau & Company, S. (See Ball, Henry P., assignor.)
- Sternberg, George, Agaña, Guam. Wood wind musical instrument. No. 1,211,983; Jan. 9; v. 234; p. 589.
- Sternberg, George, Agaña, Island of Guam. Wood wind musical instrument. No. 1,235,394; July 31; v. 240; p. 1383.
- Sternbergh, George E., assignor to E. D. Porcheron, Montreal, Quebec, Canada. Door-hanger and the like. No. 1,219,601; Mar. 20; v. 236; p. 662.
- Sternhagen, Joseph P. (See Getman, David D., assignor.)
- Sterns, Edward, assignor, by mesne assignments, to Efficiency Oil Corporation, St. Louis, Mo. Measuring device for containers. No. 1,213,918; Jan. 30; v. 234; p. 1353.
- Sterns, Edward, St. Louis, Mo., assignor to Efficiency Oil Corporation, Wilmington, Del. Vehicle-tire. No. 1,218,486; Mar. 6; v. 236; p. 205.
- Sterrick, Harrison D., Pittsburgh, Pa. Razor. No. 1,231,215; June 26; v. 239; p. 1076.
- Stetelman, Louis. (See Dunmar, Abe P., assignor.)
- Stetson, Franklin F. (See Wilson and Sumner, assignors.)
- Stetson, Samuel L., St. Paul, Minn. Rake. No. 1,244,789; Oct. 30; v. 243; p. 1177.
- Stettiner Chamotte-Fabrik Actien-Gesellschaft Vormalis Didier. (See Piernay, Walter, assignor.)
- Stettner, Ludwig, Oakland, assignor to Great Western Cutting and Welding Company, San Francisco, Cal. Torch. No. 1,216,875; Feb. 20; v. 235; p. 929.
- Stevens, Arthur L., Roseville, Cal. Indicator. No. 1,216,876; Feb. 20; v. 235; p. 929.
- Stevens, Arthur L., Chicago, Ill. Annealing-furnace. No. 1,219,499; Mar. 20; v. 236; p. 626.
- Stevens, Arthur L., Chicago, Ill. Regenerative furnace for annealing and like purposes. No. 1,219,500; Mar. 20; v. 236; p. 627.
- Stevens, Arthur L., Chicago, Ill. Water-cooled valve. No. 1,219,501; Mar. 20; v. 236; p. 627.
- Stevens, Arthur L., Chicago, Ill. Ceramic kiln. No. 1,223,440; Apr. 24; v. 237; p. 953.
- Stevens, Burt D., Riverside, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Machine-frame. No. 1,225,282; May 8; v. 238; p. 456.
- Stevens, Burt D., Evanston, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Bearing-joint of ink-fountains. No. 1,231,661; July 3; v. 240; p. 41.
- Stevens, Burt D., Evanston, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Inking arrangement for printing-presses. No. 1,242,259; Oct. 9; v. 243; p. 291.
- Stevens, Byron, Oakland, Cal. Transmission. No. 1,242,618; Oct. 9; v. 243; p. 407.
- Stevens, Carleton F. (See Sullivan and Stevens.)
- Stevens and Company. (See Stevens, Frederick A., assignor.)
- Stevens-Duryea Company. (See Remington, William M., assignor.)
- Stevens, Edward L., Loveland, Colo. Road-drag. No. 1,233,521; July 17; v. 240; p. 723.

- Stevens, Enoch P., Chicago, Ill. Hanger. No. 1,230,441; June 19; v. 239; p. 776.
- Stevens, Enoch P., Chicago, Ill., assignor, by mesne assignments, to American Arch Company, New York, N. Y. Locomotive-arch. No. 1,229,381; June 12; v. 239; p. 389.
- Stevens, Enoch P., Chicago, Ill., assignor to American Arch Company, New York, N. Y. Locomotive-arch construction. No. 1,229,384; June 12; v. 239; p. 390.
- Stevens, Enoch P., Chicago, Ill., assignor to American Arch Company, New York, N. Y. Marginal brick. No. 1,229,389; June 12; v. 239; p. 392.
- Stevens, Enoch P., Chicago, Ill., assignor to American Arch Company, New York, N. Y. Locomotive-arch. No. 1,229,390; June 12; v. 239; p. 392.
- Stevens, Enoch P., Chicago, Ill., assignor to American Arch Company, New York, N. Y. Cantaliver-margin for locomotive-arches. No. 1,229,391; June 12; v. 239; p. 392.
- Stevens, Filo S., Ashville, N. Y. Wire-stretcher. No. 1,229,343; June 12; v. 239; p. 376.
- Stevens, Frank and G. F., Philadelphia, Pa. Sounding apparatus. No. 1,233,522; July 17; v. 240; p. 723.
- Stevens, Frank M., Ridgewood, N. J. Combined place-marking and advertising device for directories, &c. No. 1,241,049; Sept. 25; v. 242; p. 832.
- Stevens, Frank W. (See Buck, Benoni B., assignor.)
- Stevens, Frederick A., Providence, R. I. Tray. No. 1,210,870; Jan. 2; v. 234; p. 169.
- Stevens, Frederick A., Providence, R. I. Abutment for ring-trays. No. 1,245,630; Nov. 6; v. 244; p. 148.
- Stevens, Frederick A., Providence, R. I. Forming saws. No. 1,250,377; Dec. 18; v. 245; p. 636.
- Stevens, Frederick A., Providence, R. I., assignor to Stevens and Company, Incorporated. Frame for eye-glasses and spectacles. No. 1,236,497; Aug. 14; v. 241; p. 343.
- Stevens, Frederick C. (See Moore, Charles C., assignor.)
- Stevens, George E. (See Standish and Stevens.)
- Stevens, George E., Laconia, N. H. Knitting-machine. No. 1,248,744; Dec. 4; v. 245; p. 94.
- Stevens, George E., Laconia, N. H. Knitting-machine. No. 1,248,745; Dec. 4; v. 245; p. 94.
- Stevens, George E., Lynn, Mass., assignor to General Electric Company. Hydraulic press. No. 1,240,617; Sept. 18; v. 242; p. 663.
- Stevens, George E., Lynn, Mass., assignor to General Electric Company. Starting and lighting set for automobiles. No. 1,246,674; Nov. 13; v. 244; p. 488.
- Stevens, George F. (See Stevens, Frank and G. F., assignors.)
- Stevens, Harry P., New York, N. Y. Rotary valve for gas-engines. No. 1,249,235; Dec. 4; v. 245; p. 234.
- Stevens, Howard L., Everett, Wash. Pneumatic sprayer. No. 1,229,344; June 12; v. 239; p. 376.
- Stevens, James C., Bedford, Ind. Fish-hook releaser. No. 1,215,073; Feb. 6; v. 235; p. 208.
- Stevens, James C., assignor to M. L. Stevens, Apple River, Ill. Hook. No. 1,214,092; Jan. 30; v. 234; p. 1413.
- Stevens, John, Launceston, Tasmania, Australia. Combined alarm-clock and fire-signal. No. 1,240,618; Sept. 18; v. 242; p. 664.
- Stevens, John E., Kewanee, Ill. Hog-feeding device. No. 1,238,212; Aug. 28; v. 241; p. 965.
- Stevens, John F., and J. G. Davis, Ottumwa, Iowa. Cattle-stanchion. No. 1,232,117; July 3; v. 240; p. 197.
- Stevens, Leslie, Glen Ridge, N. J. Hat-shaping apparatus. No. 1,224,427; May 1; v. 238; p. 114.
- Stevens, Levi, assignor to Jermin and Stevens, Alpena, Mich. Recovery of material in the form of dust from rotary-cement-kiln gases. No. 1,214,725; Feb. 6; v. 235; p. 86.
- Stevens, Marnette L. (See Stevens, James C., assignor.)
- Stevens Manufacturing Association. (See Standish and Stevens, assignors.)
- Stevens, Mary A., Stockton, Kans. Brooder. No. 1,222,901; Apr. 17; v. 237; p. 737.
- Stevens, Merton P., East Orange, N. J. Lighting-fixture. No. 1,226,717; May 22; v. 238; p. 1021.
- Stevens, Minot M., and T. J. Newcome, Hastings, Pa. Electric cut-off mechanism. No. 1,213,705; Jan. 23; v. 234; p. 1250.
- Stevens Regulator Co. (See Stevens, Willie J., assignor.)
- Stevens, Robert H., Newark, N. J. Guard for cuff-buttons. No. 1,216,510; Feb. 20; v. 235; p. 804.
- Stevens, Walter G. (See Hilliard and Stevens.)
- Stevens, Walter T. (See Coates, Joseph S., assignor.)
- Stevens, Wayne M., Taylorville, Ill. Grain-shocker. No. 1,248,943; Dec. 4; v. 245; p. 151.
- Stevens, William C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire-stripping machine. No. 1,211,256; Jan. 2; v. 234; p. 304.
- Stevens, William C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire-bead. No. 1,231,446; June 26; v. 239; p. 1153.
- Stevens, William C., Akron, Ohio, assignor to Pierce Wrapping Machine Company, Chicago, Ill. Adjusting means for wrapping-machines. No. 1,241,678; Oct. 2; v. 243; p. 67.
- Stevens, William C., Akron, Ohio, assignor to Pierce Wrapping Machine Company. Wrapping-machine folder. No. 1,243,357; Oct. 16; v. 243; p. 670.
- Stevens, William C., Akron, Ohio, assignor to Pierce Wrapping Machine Company, Chicago, Ill. Folder device for wrapping-machines. No. 1,244,255; Oct. 23; v. 243; p. 978.
- Stevens, William H., Altoona, Pa. Signaling apparatus. No. 1,221,621; Apr. 3; v. 237; p. 216.
- Stevens, William H., Altoona, Pa. Dust-collector. No. 1,232,865; July 10; v. 240; p. 474.
- Stevens, William H., Portland, and S. C. Dunlap, Amity, Oreg. Canning rice and milk. No. 1,241,163; Sept. 25; v. 242; p. 867.
- Stevens, William N. (See Bullard and Stevens.)
- Stevens, Willie J., assignor to Stevens Regulator Co., Portland, Me. Boiler-feed-water regulator. No. 1,225,885; May 15; v. 238; p. 703.
- Stevenson, Andrew C., Scotstoun, Glasgow, Scotland. Rim and wheel for solid-rubber tires. No. 1,230,616; June 19; v. 239; p. 836.
- Stevenson, Barton D., Harvard, Ill. Lever-controlling device for planetary-gear automobiles. No. 1,249,688; Dec. 11; v. 245; p. 394.
- Stevenson, Charles A., Edinburgh, and J. Moyes, Glasgow, Scotland. Signaling apparatus. No. 1,218,225; Mar. 6; v. 236; p. 118.
- Stevenson, David N., Philadelphia, Pa. Gang-valve lock for gas-ranges, &c. No. 1,244,790; Oct. 30; v. 243; p. 1178.
- Stevenson, Edward E., assignor of one-half to L. G. Baer, Venice, Cal. Automatic water-valve. No. 1,237,725; Aug. 21; v. 241; p. 777.
- Stevenson, Frederick A., Detroit, Mich., assignor to American Car and Foundry Company, St. Louis, Mo. Apparatus for forming annular work. No. 1,224,805; May 1; v. 238; p. 244.
- Stevenson, George W., Canton, Ohio. Furnace. No. 1,223,213; Apr. 17; v. 237; p. 844.
- Stevenson, Henry J., Jr., Jersey City, N. J. Stirrup-support. No. 1,236,226; Aug. 7; v. 241; p. 226.
- Stevenson, Jesse W., Portland, Ind. Suspender-loop. No. 1,248,197; Nov. 27; v. 244; p. 995.
- Stevenson, Lemuel L., Emporia, Kans. Viscous-fluid applicator. No. 1,230,052; June 12; v. 239; p. 609.
- Stevenson, Mabel B., Guelph, Ontario, Canada. Hair-curler. No. 1,240,508; Sept. 18; v. 242; p. 632.
- Stevenson, Olin H. (See Mullendore and Stevenson.)
- Stevenson, Wilbur W., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Fluid-flow meter. No. 1,229,805; June 12; v. 239; p. 531.
- Stevenson, William, Morristown, N. J. Cleaner for wind-shields and the like. No. 1,221,485; Apr. 3; v. 237; p. 169.
- Stevenson, William, Morristown, N. J. Fuel-feeding means for internal-combustion engines. No. 1,235,254; July 31; v. 240; p. 1341.
- Stevenson, William, Morristown, N. J. Spark-plug. No. 1,250,242; Dec. 18; v. 245; p. 596.
- Stevenson, William J., Milwaukee, Wis. Massaging implement. No. 1,237,570; Aug. 21; v. 241; p. 726.
- Steward, John W. (See Griffin, Aquila H. and G., assignors.)
- Steward, Louise D., Boise, Idaho. Attachment for ovens. No. 1,239,632; Sept. 11; v. 242; p. 318.
- Stewardson, Arthur L., and J. D. Harper, Santa Anna, Tex. Dirigible headlight. No. 1,213,706; Jan. 23; v. 234; p. 1250.
- Stewardson, James B. and S. S., North Randall township, Thomas county, Kans. Valve. No. 1,242,734; Oct. 9; v. 243; p. 443.
- Stewardson, Samuel S. (See Stewardson, James B. and S. S.)
- Stewart, Albert T., Peoria, Ill. Gas-burning lamp. No. 1,243,890; Oct. 23; v. 243; p. 869.
- Stewart, Alexander. (See Stewart, David S. and A.)
- Stewart, Alexander, assignor to Four Wheel Tractor Co., Clintonville, Wis. Gripping device for tractor-wheels. No. 1,229,541; June 12; v. 239; p. 443.
- Stewart, Alexander, assignor to Four Wheel Tractor Co., Clintonville, Wis. Gripping device for tractor-wheels. No. 1,232,730; July 10; v. 240; p. 429.
- Stewart, Alexander, Clintonville, and D. S. Stewart, Appleton, assignors to Four Wheel Tractor Co., Clintonville, Wis. Four-wheel-drive truck. No. 1,234,952; July 31; v. 240; p. 1251.
- Stewart, Alfred C., Los Angeles, Cal. Photographic indicating device. No. 1,211,780; Jan. 9; v. 234; p. 513.
- Stewart, Alfred C., Los Angeles, Cal. Actinometer. No. 1,211,781; Jan. 9; v. 234; p. 514.
- Stewart, Alfred C., Los Angeles, Cal. Carbureter. No. 1,228,845; June 5; v. 239; p. 161.
- Stewart, Alfred C., Los Angeles, Cal. Carbureting means for use with heavy fuels. No. 1,235,255; July 31; v. 240; p. 1342.
- Stewart, Andrew B., assignor of eight-fifteenths to E. Laas, two-fifteenths to J. F. Dille, and one-fifteenth to F. P. Bartlett, Chicago, Ill. Door-operating mechanism. No. 1,245,631; Nov. 6; v. 244; p. 149.
- Stewart, Archibald J. and H. N., Los Angeles, Cal. Mitten. No. 1,216,877; Feb. 20; v. 235; p. 929.
- Stewart, Arthur L. (See Gleason and Stewart.)
- Stewart, Arthur L. (See Gleason, Stewart, and Snow.)
- Stewart, Benjamin F., Chicago, Ill. Journal-bearing. No. 1,234,953; July 31; v. 240; p. 1252.

Alphabetical list of patentees—Continued.

- Stewart, Burton, St. Joseph, Mo. Metallic-crown wick. No. 1,216,511; Feb. 20; v. 235; p. 805.
- Stewart, Charles A., Worcester, Mass. Dasher. No. 1,215,214; Feb. 6; v. 235; p. 255.
- Stewart, Charles A., Carson City, Nev. Aluminum-soldering compound. No. 1,222,158; Apr. 10; v. 237; p. 436.
- Stewart, Charles A., Andover, Mass. Shoe-lining. No. 1,223,297; Apr. 17; v. 237; p. 870.
- Stewart, Claude W., Martinsburg, W. Va. Vehicle-tire. No. 1,232,406; July 3; v. 240; p. 288.
- Stewart, Claude W., Martinsburg, W. Va. Armored tire structure. No. 1,236,227; Aug. 7; v. 241; p. 226.
- Stewart, Clinton R., Johnstown, and G. E. Thackray, Westmont borough, Pa. Ingot-mold. No. 1,235,166; July 31; v. 240; p. 1315.
- Stewart, David S. (See Stewart, Alexander and D. S.)
- Stewart, David S., Clintonville, and A. Stewart, Antigo, Wis. Gripping device for tractor-wheels. No. 1,232,866; July 10; v. 240; p. 474.
- Stewart, Earl H., et al. (See Melrose, George C., assignor.)
- Stewart, Edgar M., Lang, and H. H. McKenna, assignors of one-half to T. Thorkildsen, Los Angeles, Cal. Separator. No. 1,229,542; June 12; v. 239; p. 443.
- Stewart, Edwin F., Woodcliff, N. J., assignor of one-half to The Barrett Company, New York, N. Y. Pulverized-fuel feeder. No. 1,217,237; Feb. 27; v. 235; p. 1096.
- Stewart, Edwin F., Woodcliff, N. J., assignor of one-half to The Barrett Company. Liquid or gaseous fuel burner. No. 1,231,447; June 26; v. 239; p. 1153.
- Stewart, Emmor J. (See Crapser, Morris H., assignor.)
- Stewart, Emmor J., New York, N. Y. Floor-cleaning machine. No. 1,233,822; July 17; v. 240; p. 819.
- Stewart, F. E., trustee. (See Pifer, George N., assignor.)
- Stewart, Frederick W., Beaver, Pa. Making glassware. No. 1,247,031; Nov. 20; v. 244; p. 628.
- Stewart, George G., Roseburg, Ore. Lighting system for vehicles. No. 1,212,836; Jan. 16; v. 234; p. 916.
- Stewart, George L. (See Dossert and Stewart.)
- Stewart, George L., assignor to Crouse-Hinds Company, Syracuse, N. Y. Connection for electric conduits. No. 1,226,921; May 22; v. 238; p. 1091.
- Stewart, Gertrude F. (See Stewart, Perez M., assignor.)
- Stewart, Harry D., Gilman, Iowa. Taper-cutting attachment for lathes. No. 1,226,825; May 22; v. 238; p. 1059.
- Stewart, Harry N. (See Stewart, Archibald J. and H. N.)
- Stewart, Jackson, North Geelong, Victoria, Australia. Alarm-clock and attachment therefor. No. 1,217,523; Feb. 27; v. 235; p. 1198.
- Stewart, James A. (See Carley, Leonard R., assignor.)
- Stewart, James K., St. Louis, Mo., assignor to Pioneer Box Company, Crawfordsville, Ind. Box-blank-folding table. No. 1,213,812; Jan. 23; v. 234; p. 1287.
- Stewart, James Y., Van Houten, N. Mex. Shock-absorber. No. 1,212,837; Jan. 16; v. 234; p. 916.
- Stewart, John, assignor to The Simplex Concrete Piling Company, Washington, D. C. Pile. No. 1,249,850; Dec. 11; v. 245; p. 443.
- Stewart, John E., Oakland, Ill. Hoisting apparatus. No. 1,228,494; June 5; v. 239; p. 41.
- Stewart, John H. (See Bacheller and Stewart.)
- Stewart, John H. (See Schenk and Stewart.)
- Stewart, John K., deceased, Chicago, Ill.; J. B. Stewart, executrix. Delivery means for melting-pots. No. 1,219,357; Mar. 13; v. 236; p. 546.
- Stewart, John K., deceased, Chicago, Ill.; J. B. Stewart, executrix. Molten-metal feed for die-casting. No. 1,219,358; Mar. 13; v. 236; p. 547.
- Stewart, John K., deceased, Chicago, Ill.; J. B. Stewart, executrix. Ladle for die-casting machines. No. 1,219,359; Mar. 13; v. 236; p. 547.
- Stewart, John K., deceased, Chicago, Ill.; P. C. Lindgren, administrator. Die-casting machine. No. 1,231,808; July 3; v. 240; p. 92.
- Stewart, John K., deceased; J. B. Stewart, executrix. Northport, N. Y. Motor for talking-machines. No. 1,238,454; Aug. 28; v. 241; p. 1045.
- Stewart, John K., deceased, New York, N. Y.; J. B. Stewart, executrix. Starter for internal-combustion engines. No. 1,242,997; Oct. 16; v. 243; p. 561.
- Stewart, John K., deceased, New York, N. Y.; J. B. Stewart, executrix. Starter for internal-combustion engines. No. 1,242,998; Oct. 16; v. 243; p. 561.
- Stewart, John K., deceased, New York, N. Y.; J. B. Stewart, executrix. Automobile-engine starter. No. 1,242,999; Oct. 16; v. 243; p. 562.
- Stewart, John K., deceased; J. B. Stewart, executrix. Northport, N. Y. Pumping device. No. 1,247,892; Nov. 27; v. 244; p. 910.
- Stewart, John K., deceased; J. B. Stewart, executrix. Northport, N. Y.; said John K. Stewart assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Magnetic speedometer. No. 1,238,455; Aug. 28; v. 241; p. 1045.
- Stewart, Julia B., executrix. (See Stewart, John K.)
- Stewart, Mauson A., Yankton, S. D. Speed-changing-gear mechanism. No. 1,228,984; June 5; v. 239; p. 205.
- Stewart, Milton H., Detroit, Mich. Tire-tool. No. 1,213,967; Jan. 30; v. 234; p. 1369.
- Stewart, Milton H., assignor to T. J. Walsh, Detroit, Mich. Tire-carrier. No. 1,225,370; May 8; v. 238; p. 489.
- Stewart, Patrick D., London, England. Saddle. No. 1,246,675; Nov. 13; v. 244; p. 489.
- Stewart, Paul F. (See McDonald and Stewart.)
- Stewart, Perez M., assignor to G. F. Stewart, New York, N. Y. Protected metal article. No. 1,236,994; Aug. 14; v. 241; p. 506.
- Stewart, Perez M., assignor to G. F. Stewart, New York, N. Y. Composite beam. No. 1,243,000; Oct. 16; v. 243; p. 563.
- Stewart, Perez M., assignor to G. F. Stewart, New York, N. Y. Protected metal structure. No. 1,243,001; Oct. 16; v. 243; p. 563.
- Stewart Phonograph Corporation. (See McArthur, Leslie, assignor.)
- Stewart, Richard F., Briarcliff, N. Y. Snow-plow for road-vehicles. No. 1,215,587; Feb. 13; v. 235; p. 424.
- Stewart, Robert A., Milwaukee, Wis. Rotary engine. No. 1,222,046; Apr. 10; v. 237; p. 396.
- Stewart, Roy N., Dorchester, Mass. Spraying apparatus. No. 1,216,746; Feb. 20; v. 235; p. 885.
- Stewart, Samuel. (See Comi, Girolamo, assignor.)
- Stewart, Samuel F. (See Desrochers, Louis, assignor.)
- Stewart, Thales D. (See Ambary and Stewart.)
- Stewart, Thomas B., Portola, Cal. Fume-condenser. No. 1,237,571; Aug. 21; v. 241; p. 727.
- Stewart, Walter L., Des Moines, Iowa. Body-protector. No. 1,239,980; Sept. 11; v. 242; p. 430.
- Stewart-Warner Speedometer Corporation. (See Berg, Joseph, assignor.)
- Stewart-Warner Speedometer Corporation. (See Kocourek, Henry, assignor.)
- Stewart-Warner Speedometer Corporation. (See Larson, Edward A., assignor.)
- Stewart-Warner Speedometer Corporation. (See Ross, Frank A., assignor.)
- Stewart-Warner Speedometer Corporation. (See Stewart, John K., assignor.)
- Stewart, William A., Belfast, Me. Automobile-jack. No. 1,238,591; Aug. 28; v. 241; p. 1089.
- Stewart, William A., East Orange, N. J. Submarine-detector. No. 1,242,386; Oct. 9; v. 243; p. 531.
- Stewart, William C., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Feather-edging machine. No. 1,247,893; Nov. 27; v. 244; p. 910.
- Stewart, William C., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Dispensing device. No. 1,248,746; Dec. 4; v. 245; p. 94.
- Stewart, William C., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-pressing machine. No. 1,250,378; Dec. 18; v. 245; p. 636.
- Steynis, Jan, Bay Shore, N. Y., assignor to Steynis Ozone Company. Apparatus for sterilization of liquid by ozone. No. 1,228,712; June 5; v. 239; p. 115.
- Steynis Ozone Company. (See Steynis, Jan, assignor.)
- Stiasny, Edmund, Headingley, Leeds, England, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Tanning. No. 1,232,620; July 10; v. 240; p. 392.
- Stiasny, Edmund, Headingley, Leeds, England, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Production of tanning material. No. 1,237,405; Aug. 21; v. 241; p. 675.
- Stichler, Charles, assignor to Strause Gas Iron Co., Philadelphia, Pa. Self-heating sad-iron. No. 1,242,489; Oct. 9; v. 243; p. 364.
- Stichler, Charles, assignor to Strause Gas Iron Co., Philadelphia, Pa. Gas-burner attachment. No. 1,242,490; Oct. 9; v. 243; p. 364.
- Stichtenoeth, George J., Cincinnati, assignor of one-half to H. Von Holle, Cheviot, Ohio. Incandescent-electric-lamp plug. No. 1,229,185; June 5; v. 239; p. 272.
- Stichtenoeth, Peter C., Cincinnati, Ohio. Game apparatus. No. 1,241,050; Sept. 25; v. 242; p. 832.
- Stickell, John H., Williamson, Pa. Draft-equalizer. No. 1,221,622; Apr. 3; v. 237; p. 216.
- Stickel, Cole, Indianapolis, Ind. Electrical control for paper-making machines. No. 1,213,968; Jan. 30; v. 234; p. 1369.
- Stickel, Cole, Indianapolis, Ind. Heat control for paper-making machines. No. 1,242,387; Oct. 9; v. 243; p. 332.
- Stickel, Morton D., Moore, Pa. Sanitary cigar-cutter. No. 1,251,300; Dec. 25; v. 245; p. 960.
- Stickler, Charles W., Lansford, Pa. Safety-lock for dump-cars. No. 1,225,522; May 8; v. 238; p. 538.
- Stickler, Frank H., Akron, Ohio. Dental-floss holder. No. 1,239,633; Sept. 11; v. 242; p. 319.
- Sticklin, Louis J., Chehalis, Wash. Sprayer. No. 1,219,049; Mar. 13; v. 236; p. 442.
- Stickney, Burnham C. (See Hart and Stickney.)
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,214,482; Jan. 30; v. 234; p. 1545.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,237,258; Aug. 14; v. 241; p. 588.

- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,237,572; Aug. 21; v. 241; p. 727.
- Stickney, Burnham C., Elizabeth, N. J., assignor, by mesne assignments, to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,216,623; Feb. 20; v. 235; p. 844.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,227,015; May 22; v. 238; p. 1125.
- Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,227,213; May 22; v. 238; p. 1191.
- Stickney, Charles A., Chicago, Ill. Valve-control mechanism for internal-combustion engines. No. 1,214,839; Feb. 6; v. 235; p. 123.
- Stickney, Charles A., Chicago, Ill. Tractor. No. 1,222,812; Apr. 17; v. 237; p. 707.
- Stickney, Charles A., Chicago, Ill. Crank-pin oiler. No. 1,224,388; May 1; v. 238; p. 81.
- Stickney, George, Carlton, Oreg. Brake for vehicles. No. 1,221,623; Apr. 3; v. 237; p. 216.
- Stickney, Myron L. (See Hawkins and Stickney.)
- Stiegelmayr, Karl, Chicago, Ill. Cutter. No. 1,240,619; Sept. 18; v. 242; p. 664.
- Stieler, Carl, Chicago, Ill. Concrete building apparatus. No. 1,229,163; June 5; v. 239; p. 264.
- Stierheim, Francis A., Pittsburgh, Pa. Belt-gearing. No. 1,218,430; Jan. 23; v. 234; p. 1156.
- Stifel, Carl G. (See Diedrich, Charles G., assignor.)
- Stifel, Otto F. (See Cook, Eugene F., assignor.)
- Stifel, Otto F., et al. (See Cowgill, Orph W., assignor.)
- Stiga, Koloman, New York, N. Y. Mold for baking rolls. No. 1,234,407; July 24; v. 240; p. 1046.
- Stigant, Stanley A. (See Schaanning and Stigant.)
- Stigberg, Axel E., and C. Bechtold, Brooklyn, N. Y. Dental die-punch. No. 1,228,617; June 5; v. 239; p. 83.
- Stiglitz, Charles F., assignor of one-half to D. R. Stiglitz, Louisville, Ky. Door for coal-chutes. No. 1,242,067; Oct. 2; v. 243; p. 190.
- Stiglitz, Daniel R. (See Stiglitz, Charles F., assignor.)
- Stiles, Edward M., Mount Pleasant, Iowa, assignor to U. S. Slicing Machine Company, Chicago, Ill. Meat-stacker. No. 1,231,959; July 3; v. 240; p. 141.
- Stiles, Edward M., Mount Pleasant, Iowa, assignor to U. S. Slicing Machine Company, Chicago, Ill. Meat-stacker. No. 1,231,960; July 3; v. 240; p. 142.
- Stiles, Thomas G., Arlington, N. J. Rail-brace. No. 1,230,533; June 19; v. 239; p. 808.
- Stiles, Thomas G., Arlington, N. J. Battery-elevator. No. 1,244,558; Oct. 30; v. 243; p. 1108.
- Stiles, Thomas G., assignor to The T. Geo. Stiles Company, Arlington, N. J. Rail-brace. No. 1,230,534; June 19; v. 239; p. 808.
- Still, Abram A., Annette, Cal. Safety-latch for automobile-gear-shift levers. No. 1,234,579; July 24; v. 240; p. 1100.
- Still, Abram A., Annette, Cal. Safety-latch. No. 1,237,116; Aug. 14; v. 241; p. 545.
- Still, Carl, Recklinghausen, Germany. Disintegrating and lading hard pitch or the like material. No. 1,221,241; Apr. 3; v. 237; p. 84.
- Still, William J. London, England. Internal-combustion engine. No. 1,230,617; June 19; v. 239; p. 837.
- Stillians, Harry E., El Paso, Tex. Combination filing-block and sawing-board. No. 1,211,888; Jan. 9; v. 234; p. 554.
- Stillians, Harry E., Marathon, Tex. Transmission mechanism. No. 1,250,695; Dec. 18; v. 245; p. 731.
- Stillings, Adelle, Spanaway, and T. W. Carl, Tacoma, Wash. Gate-latch. No. 1,245,057; Oct. 30; v. 243; p. 1257.
- Stillman, Frederick O., Melrose, and H. M. Schleicher, Boston, Mass. Slide-rule. No. 1,250,379; Dec. 18; v. 245; p. 636.
- Stillman, John C., Appleton, Wis. Clothes-line prop. No. 1,246,676; Nov. 13; v. 244; p. 489.
- Stillman, Loran A. (See Hopkins, Harvey L., assignor.)
- Stillman, Marcus H., Washington, D. C. Gas-volume standard for testing volume-measuring apparatus for gas. No. 1,234,505; July 24; v. 240; p. 1077.
- Stillman, Thomas B., Jr., Hoboken, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Oil-burning apparatus. No. 1,235,855; Aug. 7; v. 241; p. 106.
- Stillson, George H., Port Townsend, assignor to Pacific Products Company, Seattle, Wash. Apparatus for the reduction of fish-scrap, kelp, and the like. No. 1,212,416; Jan. 16; v. 234; p. 768.
- Stillwagon, John H., Richmond Hill, N. Y. Fire-hose support. No. 1,233,615; July 17; v. 240; p. 755.
- Stillwell, Albert G., et al. (See Lee, Robert W., assignor.)
- Stillwell, Lewis B., et al. (See Brinckerhoff, Francis M., assignor.)
- Stillwell, Lewis B. (See Brinckerhoff and Stillwell.)
- Stillwell, Charles B., Wayne, Pa. Faucet. No. 1,240,265; Sept. 18; v. 242; p. 556.
- Stillwell, Claude D., Hamar, N. D. Well-auger. No. 1,241,051; Sept. 25; v. 242; p. 832.
- Stimecz, Karl, Cincinnati, Ohio. Hand-operated shovel. No. 1,229,667; June 12; v. 239; p. 485.
- Stimmel, Frederick C., assignor to The Casey-Hedges Co., Chattanooga, Tenn. Steam-boiler furnace. No. 1,211,782; Jan. 9; v. 234; p. 514.
- Stimmel, Samuel, New York, N. Y. Control mechanism for power-hoists. No. 1,245,522; Nov. 6; v. 244; p. 115.
- Stimpson, Edward S., Hopedale, Mass., assignor, by mesne assignments, to Draper Corporation, Portland, Me. Loom-shuttle. No. 1,212,278; Jan. 16; v. 234; p. 720.
- Stimpson, Edward S., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Thread-cutting temple. No. 1,214,385; Jan. 30; v. 234; p. 1515.
- Stimpson, Edward S., Hopedale, Mass., assignor, by mesne assignments, to Draper Corporation, Portland, Me. Automatically-threading loom-shuttle. No. 1,224,806; May 1; v. 238; p. 244.
- Stimpson, Edward S., assignor to Draper Corporation, Hopedale, Mass. Temple-thread cutter for looms. No. 1,244,791; Oct. 30; v. 243; p. 1178.
- Stimpson, Edward S., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. No. 1,250,380; Dec. 18; v. 245; p. 637.
- Stimpson, John B., Middlesbrough, England. Cigarette-case. No. 1,234,580; July 24; v. 240; p. 1101.
- Stine, William E., Padroni, Colo. Alarm for grain-bins. No. 1,239,315; Sept. 4; v. 242; p. 191.
- Stineman, Ralph P., and O. O. Taylor, San Diego, Cal. Mechanical movement. No. 1,236,498; Aug. 14; v. 241; p. 344.
- Stineman, William H. H., assignor of one-half to S. C. Pardee, Baltimore, Md. Wheel-fender. No. 1,219,602; Mar. 20; v. 236; p. 662.
- Stinemetts, Henry, The Dalles, Oreg. Tire-rim. No. 1,223,635; Apr. 24; v. 237; p. 1024.
- Stingel, Phil C. (See Innis, George C., assignor.)
- Stingley, Gilead H., Columbus Junction, and S. Van Cott, Cone, Iowa. Gate. No. 1,232,440; July 3; v. 240; p. 298.
- Stinnett, Marion E., Victoria, Ill. Grain-spout elevator and adjuster. No. 1,227,976; May 29; v. 238; p. 1477.
- Stinson, Charles H., Watertown, S. D. Differential transmission-gear. No. 1,228,713; June 5; v. 239; p. 115.
- Stinson, Edward A., assignor of one-half to M. T. McCarty, Frankfort, Ind. Combination fuel carburetor. No. 1,211,003; Jan. 2; v. 234; p. 216.
- Stinson, Robert E., et al. (See Harbison, Joseph C., assignor.)
- Stinson, Willis E., et al. (See Harbison, Joseph C., assignor.)
- Stinzing, George J., Port Chester, N. Y. Huckster-wagon. No. 1,210,721; Jan. 2; v. 234; p. 119.
- Stires, John D., Columbus, Nebr. Folding crate. No. 1,240,097; Sept. 11; v. 242; p. 463.
- Stirling, A. W., et al. (See Strickle, George R., assignor.)
- Stirling, John. (See Fulcher and Stirling.)
- Stith, George W., Clarksville, Okla. Hen's nest. No. 1,229,164; June 5; v. 239; p. 265.
- Stitt, Robert R., Pittsburgh, Pa. Vapor-bath cabinet. No. 1,247,167; Nov. 20; v. 244; p. 668.
- Stitzel, Frederick, Louisville, Ky. Spring-wheel. No. 1,233,724; July 17; v. 240; p. 789.
- Stöber, Franklin I., Brooklyn, N. Y. Tray. No. 1,229,806; June 12; v. 239; p. 531.
- Stobie, John W., et al. (See Currier, Harry, assignor.)
- Stock, August, and O. Nicodemus, assignors to Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Dyes of the triphenylmethane series and making same. No. 1,217,238; Feb. 27; v. 235; p. 1096.
- Stock, Daniel, Clarence, Iowa. Disk-sharpening machine. No. 1,224,807; May 1; v. 238; p. 245.
- Stock, Henry F., and J. Nader, Waukesha, Wis. Bottle-stopper. No. 1,240,383; Sept. 18; v. 242; p. 593.
- Stock, Henry W. (See Lemp and Stock.)
- Stock Motorpflug Gesellschaft Mit Beschränkter Haftung. (See Gleiche, Carl, assignor.)
- Stock Quotation Telegraph Company, The. (See Hiltz, George S., assignor.)
- Stockard, Thomas R., Montreal, Quebec, Canada. Tobacco-weighing machine. No. 1,247,736; Nov. 27; v. 244; p. 865.
- Stockard, Thomas R., Montreal, Quebec, Canada, assignor to Imperial Tobacco Company of Canada Limited. Label-affixing machine. No. 1,231,448; June 26; v. 239; p. 1154.
- Stockburger, Charles W., Allen, Tex. Animal-trap. No. 1,230,535; June 19; v. 239; p. 809.
- Stockdale, William A., Cambridge, Ohio. Picture-hanger. No. 1,251,130; Dec. 25; v. 245; p. 909.
- Stockdell, Theodore, et al. (See Maxwell, Dillard L., assignor.)
- Stocker, Albert P., Struthers, Ohio. Wheel. No. 1,221,242; Apr. 3; v. 237; p. 85.
- Stocker, Jakob, Berne, Switzerland, assignor of one-half to R. E. Stoll, West Allis, Wis. Weir, lock, and the like. No. 1,246,007; Nov. 6; v. 244; p. 257.
- Stocker, Lawrence E., Lynn, Mass. Electrical heater. No. 1,215,427; Feb. 13; v. 235; p. 362.
- Stocker, Lawrence E., Saugus, Mass. Shoe-toe moistening and heating apparatus. No. 1,217,360; Feb. 27; v. 235; p. 1138.
- Stocker, Robert. (See Piguet, Steinbunch, and Stocker.)
- Stocking, Edgar B., deceased, Washington, D. C.; S. C. Stocking, executrix. Clothes-wringer. No. 1,247,894; Nov. 27; v. 244; p. 911.

Alphabetical list of patentees—Continued.

- Stocking, Edgar B., deceased, Washington, D. C.; S. C. Stocking, executrix. Clothes-wringer. No. 1,251,301; Dec. 25; v. 245; p. 960.
- Stocking, Edwin L., Los Angeles, Cal. Combined bottle-holder and ink-feeder. No. 1,227,977; May 29; v. 238; p. 1478.
- Stocking, Milton D., Lindenwood, Ill. Feed-trough. No. 1,244,256; Oct. 23; v. 243; p. 978.
- Stocking, Sarah C., executrix. (See Stocking, Edgar B.)
- Stockinger, Rude, Manitowoc, Wis. Electric vibrator. No. 1,249,236; Dec. 4; v. 245; p. 234.
- Stockland, Charles K., Minneapolis, Minn. Grading-machine. No. 1,247,895; Nov. 27; v. 244; p. 911.
- Stocks, Clarence L., Blue Ridge, Ga. Protective helmet. No. 1,244,559; Oct. 30; v. 243; p. 1108.
- Stocks, Harry B., Northenden, England. Skee-cycle or scooter. No. 1,237,969; Aug. 21; v. 241; p. 853.
- Stockton, Frank W., Chicago, Ill. Towel-cabinet. No. 1,240,620; Sept. 18; v. 242; p. 664.
- Stockton, Frank W., Chicago, Ill. Multiple-towel holder. No. 1,241,778; Oct. 2; v. 243; p. 98.
- Stockwell, Austin F., Arlington, Cal. Railway-road-bed construction. No. 1,233,140; July 10; v. 240; p. 562.
- Stockwell, Edgar E., assignor to O'Brien Merrill, Incorporated, Los Angeles, Cal. Combination-chair. No. 1,244,389; Oct. 23; v. 243; p. 1017.
- Stoddard, Charles F., Boston, Mass. Supporting means for electric motors. No. 1,243,353; Oct. 16; v. 243; p. 670.
- Stoddard, Charles F., Jr., Ridgefield Park, N. J. Printing-press. No. 1,223,347; Apr. 17; v. 237; p. 888.
- Stoddard, Hart A., Philadelphia, Pa., assignor to Chelton Electric Company. Plug and receptacle. No. 1,246,677; Nov. 13; v. 244; p. 489.
- Stoddard, Vaughn, Chelsea, Iowa. Machine-gun. No. 1,242,068; Oct. 2; v. 243; p. 190.
- Stoddard, William O., Jr., Madison, assignor of one-half to F. E. Kip, Montclair, N. J. Waterproof fabric. No. 1,242,491; Oct. 9; v. 243; p. 364.
- Stodgett, James A., Winnipeg, Manitoba, Canada. Car-seal. No. 1,235,167; July 31; v. 240; p. 1315.
- Stoehrel, Friedrich H., assignor to The Nolde & Horst Co., Reading, Pa. Drop-stitch mechanism for full-fashioned knitting-machines. No. 1,246,797; Nov. 13; v. 244; p. 525.
- Stoeltzen, Charles L., Erie, Pa. Internal-combustion engine. No. 1,230,536; June 19; v. 239; p. 809.
- Stoffel, Emil F., Pontiac, Mich. Governor. No. 1,230,337; June 19; v. 239; p. 743.
- Stoffel, Henry, Tulsa, Okla. Flushing-tank. No. 1,230,953; June 12; v. 239; p. 610.
- Stoffel, John P., Los Angeles, Cal. Conveyor and cleaner. No. 1,220,703; Mar. 27; v. 236; p. 1085.
- Stoffel, John P., Los Angeles, Cal. Classifier for flour-mills. No. 1,223,005; Apr. 17; v. 237; p. 773.
- Stoffels, Emile M., Contich, Belgium. Cinematographic device. No. 1,231,961; July 3; v. 240; p. 142.
- Stoft, Peter E., New York, N. Y. Electric barometer-switch. No. 1,219,679; Mar. 20; v. 236; p. 690.
- Stogsdill, Fred, Cimarron, Kan. Conveyor and stacker. No. 1,237,573; Aug. 21; v. 241; p. 727.
- Stohn, Arthur G., Jersey City, and F. Lacroix, Hachbrouck Heights, N. J. Liquid-measuring device. No. 1,223,120; Apr. 17; v. 237; p. 813.
- Stohs, Charles L., and G. R. Funke, Milwaukee, Wis. Fluid-receptacle. No. 1,226,024; May 15; v. 238; p. 751.
- Stolber, Herbert A., Brooklyn, N. Y. Ticket. No. 1,240,266; Sept. 18; v. 242; p. 556.
- Stoker, Albert E., assignor to A. G. Blauner, Kansas City, Mo. Carbureter. No. 1,234,229; July 24; v. 240; p. 987.
- Stoker, King E., Stockton, Cal. Direction-signal for motor-vehicles. No. 1,226,826; May 22; v. 238; p. 1059.
- Stoker, Mack D., Appleby, Tex. Storage-bin. No. 1,226,025; May 15; v. 238; p. 752.
- Stokes, Charles L., Los Angeles, Cal. Liquid-feed system. No. 1,230,537; June 19; v. 239; p. 809.
- Stokes, Charles L., Los Angeles, Cal. Liquid-feed system. No. 1,230,596; June 19; v. 239; p. 830.
- Stokes, Charles L., Millong, via Young, New South Wales, Australia. Vacuum liquid-feeding apparatus and method therefor. No. 1,230,832; June 19; v. 239; p. 906.
- Stokes, Francis J., Philadelphia, Pa. Machine for applying and compressing powder on tablets. No. 1,248,571; Dec. 4; v. 245; p. 42.
- Stokes, John S., Moorestown, N. J. Sealed wrapped package. No. 1,219,788; Mar. 20; v. 236; p. 727.
- Stokes, John S., Moorestown, N. J. Sealed wrapped package. No. 1,249,548; Dec. 11; v. 245; p. 354.
- Stokes, Robert J., Trenton, N. J. Composition lining for brake-shoes. No. 1,242,069; Oct. 2; v. 243; p. 191.
- Stokes & Smith Company. (See Ferguson, John L., assignor.)
- Stokes & Smith Company. (See Reifsynder, James D., assignor.)
- Stokes & Smith Company. (See Reifsynder and Schwerdtle, assignors.)
- Stokes & Smith Company. (See Reifsynder and Weightman, assignors.)
- Stokes & Smith Company. (See Weightman and Nitsch, assignors.)
- Stokes, William M., assignor to The Joseph Joseph & Brothers Company, Cincinnati, Ohio. Wadding. No. 1,238,356; Aug. 28; v. 241; p. 1013.
- Stoler, Warren W., Detroit, Mich. Vehicle-top. No. 1,231,962; July 3; v. 240; p. 143.
- Stoll, Carl L. (See Bunzlau and Stoll.)
- Stoll, George J., Louisville, Ky. Motor-tractor. No. 1,212,710; Jan. 16; v. 234; p. 874.
- Stoll, George M., and V. S. Beam, Maplewood, N. J. Railway-grade-crossing protective device. No. 1,213,292; Jan. 23; v. 234; p. 1107.
- Stoll, Henry C. (See Upton and Stoll.)
- Stoll, Louis S., Smithland, Iowa. Connecting device. No. 1,228,256; May 29; v. 238; p. 1567.
- Stoll, Robert E. (See Stocker, Jakob, assignor.)
- Stoll, Victor, Brooklyn, N. Y. Dental tool. No. 1,227,687; May 29; v. 238; p. 1377.
- Stoll, Victor, Brooklyn, N. Y. Dental tool. No. 1,244,792; Oct. 30; v. 243; p. 1178.
- Stolle, Georg, Berlin-Schöneberg, Germany. Making coatings of fusible substances. No. 1,221,104; Apr. 3; v. 237; p. 35.
- Stolle, Georg, Kiel, Germany. Submersion control for divers' armor with flexed members. No. 1,245,058; Oct. 30; v. 243; p. 1258.
- Stolp, Charles H. (See Kailer, Harvey E., assignor.)
- Stolp, Oscar. (See Upton and Stolp.)
- Stolp, Samuel S., assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. No. 1,214,969; Feb. 6; v. 235; p. 171.
- Stolp, Samuel S., assignor to The Railroad Supply Company, Chicago, Ill. Directional trolley-contactors. No. 1,229,345; June 12; v. 239; p. 376.
- Stoltz, Edward P., Philadelphia, Pa. File-holder. No. 1,219,603; Mar. 20; v. 236; p. 663.
- Stoltz, Oscar H. (See Glasgow, Daniel, assignor.)
- Stolz, William J., Milwaukee, Wis. Folding seat for perambulators. No. 1,217,653; Feb. 27; v. 235; p. 1247.
- Stolze, Victor L., Wausau, Wis. Book-holding device. No. 1,243,891; Oct. 23; v. 243; p. 369.
- Stolzenburg, Ferdinand, New York, N. Y. Tunneling-machine. No. 1,238,592; Aug. 28; v. 241; p. 1089.
- Stomberg, Ben, Elizabeth, Minn. Shock-absorber. No. 1,237,117; Aug. 14; v. 241; p. 545.
- Stone, Berkley C. (See Diehm, Lucius N., assignor.)
- Stone, Clarence, Stroudsburg, Pa. Cotter-pin extractor. No. 1,236,016; Aug. 7; v. 241; p. 160.
- Stone, Clarence N., Newton Highlands, Mass., assignor to Baird-North Co., Augusta, Me. Book or catalogue. No. 1,212,279; Jan. 16; v. 234; p. 721.
- Stone, Claude, Sierra Madre, Cal. Cultivator. No. 1,245,971; Nov. 6; v. 244; p. 248.
- Stone, Clinton M., Connerville, Ind. Game-card. No. 1,234,954; July 31; v. 240; p. 1252.
- Stone & Company, J. (See Darker, Alfred H., assignor.) (Reissue.)
- Stone, Edward G., and E. J. Siddeley, Sydney, New South Wales, Australia. Molding plastics. No. 1,212,838; Jan. 16; v. 234; p. 917.
- Stone, Edward G., and E. J. Siddeley, Sydney, New South Wales, Australia. Mold. No. 1,212,839; Jan. 16; v. 234; p. 917.
- Stone, Edward J., Duluth, Minn. Pendulum pile-driver. No. 1,251,131; Dec. 25; v. 245; p. 910.
- Stone, Elmer B., assignor to The American Hardware Corporation, New Britain, Conn. Electroplating apparatus. No. 1,249,286; Dec. 4; v. 245; p. 249.
- Stone, Fred L., Schenectady, N. Y., assignor to General Electric Company. Limit-switch for hoisting-machines. No. 1,242,260; Oct. 9; v. 243; p. 291.
- Stone, Frederick, assignor to Diamond Drill Contracting Company, Spokane, Wash. Core-drill. (Reissue.) No. 14,356; Sept. 11; v. 242; p. 488.
- Stone, Frederick F., Buffalo, N. Y. Egg-tester. No. 1,211,889; Jan. 9; v. 234; p. 554.
- Stone, George E., Amherst, Mass. Tree surgery. No. 1,218,333; Mar. 6; v. 236; p. 156.
- Stone, Harry A., New York, N. Y. Folding stand. No. 1,227,850; May 29; v. 238; p. 1434.
- Stone, Harry A., assignor to Collapso Products Company, Inc., New York, N. Y. Combined table and extension-leaf. No. 1,234,103; July 17; v. 240; p. 909.
- Stone, Harry A., Philadelphia, Pa., assignor to Folding-Stand Company, Inc., New York, N. Y. Extension-leaf for type-writers. No. 1,239,135; Sept. 4; v. 242; p. 134.
- Stone, Harry A., Philadelphia, Pa., assignor to Folding-Stand Company, Inc., New York, N. Y. Folding table. No. 1,239,136; Sept. 4; v. 242; p. 134.
- Stone, Horace G., Chicago, Ill. Distillation of coal and other carbonaceous materials. No. 1,242,261; Oct. 9; v. 243; p. 292.
- Stone, Horace G., Chicago, Ill. Coking-furnace. No. 1,243,776; Oct. 23; v. 243; p. 833.
- Stone, John A., Chicago, Ill., assignor to International Harvester Company of New Jersey. Tongue-truck. No. 1,222,813; Apr. 17; v. 237; p. 708.
- Stone, John A., Chicago, Ill., assignor to International Harvester Company of New Jersey. Corn-husker. No. 1,226,718; May 22; v. 238; p. 1021.
- Stone, John A., Chicago, Ill., assignor to International Harvester Company of New Jersey. Snapping-rolls for corn harvesters, huskers, or the like. No. 1,226,719; May 22; v. 238; p. 1021.

- Stone, John A., Chicago, Ill., assignor to International Harvester Company of New Jersey. Corn-harvester. No. 1,233,418; July 17; v. 240; p. 689.
- Stone, Julius F., Columbus, Ohio. Fire apparatus. No. 1,241,572; Oct. 2; v. 243; p. 84.
- Stone, Mitchell, Philadelphia, Pa. Driving-belt. No. 1,220,795; Mar. 27; v. 236; p. 1116.
- Stone, Mitchell S., Philadelphia, Pa. Belt-fastener. No. 1,232,731; July 10; v. 240; p. 430.
- Stone, Nathaniel B., Washington, D. C. Handle for pipe-cleaners and other articles. No. 1,247,168; Nov. 20; v. 244; p. 669.
- Stone, Oscar O., assignor of one-third to M. E. Robinson and one-third to O. M. Jay, San Antonio, Tex. Insulator. No. 1,251,438; Dec. 25; v. 245; p. 1000.
- Stone, Sam L. (See Helmer, Milton J., assignor.)
- Stone, Samuel J., Tippecanoe City, Ohio. Bill-holder. No. 1,227,339; May 22; v. 238; p. 1232.
- Stone, Samuel M., Chicago, Ill. Shock-absorber. No. 1,249,549; Dec. 11; v. 245; p. 354.
- Stone, Stanley M., New York, N. Y. Hydraulic motor-driven air exhauster and compressor. No. 1,219,184; Mar. 13; v. 236; p. 488.
- Stone Straw Company, The. (See Maltby, Lewis C., assignor.)
- Stone, William E., et al., trustees. (See Sommer, Peter W., assignor.)
- Stoneback, John G., Topeka, Kans. Davenport. No. 1,233,419; July 17; v. 240; p. 689.
- Stonebridge, Charles H., New York, N. Y. Cooking device. No. 1,216,008; Feb. 13; v. 235; p. 573.
- Stoneham, John A., Abilene, Tex. Display-rack. No. 1,237,118; Aug. 14; v. 241; p. 595.
- Stoner, Frank H., assignor to Wilder-Strong Implement Co., Monroe, Mich. Land-roller. No. 1,237,406; Aug. 21; v. 241; p. 675.
- Stoner, Frank H., assignor to Wilder-Strong Implement Company, Monroe, Mich. Land-roller. No. 1,248,945; Dec. 4; v. 245; p. 151.
- Stoner, Henry T., Edina, Mo. Hat-pin protector. No. 1,238,357; Aug. 28; v. 241; p. 1013.
- Stoney, Malcolm P., assignor to P. Evans, Philadelphia, Pa. Casing for universal joints. No. 1,247,466; Nov. 20; v. 244; p. 753.
- Stopolovski, John, et al. (See Jakab, Mike, assignor.)
- Storch, Benjamin. (See Eberle and Storch.)
- Storck, Clarence E., Baltimore, Md. Dish-washing machine. No. 1,230,618; June 19; v. 239; p. 837.
- Storck, Frederick W., Boston, assignor, by mesne assignments, to E. C. Drouet, Somerville, Mass. Stamp-affixing machine. No. 1,211,499; Jan. 9; v. 234; p. 417.
- Storck, Louis, Brooklyn, N. Y. Penholder. No. 1,234,506; July 24; v. 240; p. 1078.
- Storer, A. M. (See Timms, Amos N., assignor.)
- Storer, Frederic E., Somerville, assignor to Davidson Rubber Company, Boston, Mass. Fountain-pen. No. 1,247,169; Nov. 20; v. 244; p. 669.
- Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Voltage-regulating system. No. 1,226,142; May 15; v. 238; p. 791.
- Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,231,662; July 3; v. 240; p. 41.
- Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,231,663; July 3; v. 240; p. 42.
- Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system. No. 1,231,664; July 3; v. 240; p. 42.
- Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,231,665; July 3; v. 240; p. 43.
- Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Control system for electric motors. No. 1,239,840; Sept. 11; v. 242; p. 387.
- Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Mercury-rectifier distributing system. No. 1,239,841; Sept. 11; v. 242; p. 387.
- Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,245,396; Nov. 6; v. 244; p. 75.
- Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Regenerative control. No. 1,245,397; Nov. 6; v. 244; p. 76.
- Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of control. No. 1,245,398; Nov. 6; v. 244; p. 76.
- Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Regenerative braking system for electric motors. No. 1,245,523; Nov. 6; v. 244; p. 115.
- Storer, Norman W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. System of distribution. No. 1,250,243; Dec. 18; v. 245; p. 596.
- Storer, Norman W., Pittsburgh, and A. J. Hall, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. System and apparatus for controlling fluid-motors. No. 1,229,543; June 12; v. 239; p. 444.
- Storer, Norman W., Pittsburgh, and A. J. Hall, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. System and apparatus for controlling electric motors. No. 1,229,544; June 12; v. 239; p. 444.
- Storle Engine Company, The. (See Storle, Ole O., assignor.)
- Storle, Garfield. (See Storle, Ole O. and G.)
- Storle, Ole O., Tacoma, Wash. Explosive-engine governor. No. 1,243,359; Oct. 16; v. 243; p. 671.
- Storle, Ole O., Tacoma, Wash., assignor to The Storle Engine Company, Kewaunee, Wis. Guard for rotary machine elements. No. 1,236,119; Aug. 7; v. 241; p. 190.
- Storle, Ole O. and G., Tacoma, Wash. Balanced exhaust-valve for explosive-engines. No. 1,218,487; Mar. 6; v. 236; p. 206.
- Storm, Adolph, Thompson, Iowa. Filter. No. 1,235,395; July 31; v. 240; p. 1383.
- Storm, Charles E., Trowbridge, Ill. Lock for differential gears. No. 1,222,902; Apr. 17; v. 237; p. 737.
- Storm Company, The. (See Storm, James A., assignor.)
- Storm, James A., assignor to The Storm Company, Chicago, Ill. Ticket-dispenser. No. 1,239,981; Sept. 11; v. 242; p. 431.
- Storm, Joseph W., Coshocton, Ohio. Pitman. No. 1,242,492; Oct. 9; v. 243; p. 365.
- Storment, John W., and J. S. Wear, Delta, Colo. Gasket-cutter. No. 1,236,620; Aug. 14; v. 241; p. 383.
- Stormo, Josephine, Garretson, S. D. Invalid's swing. No. 1,216,878; Feb. 20; v. 235; p. 930.
- Storms, Earl W., Buffalo, N. Y. Locking mechanism. No. 1,219,360; Mar. 13; v. 236; p. 548.
- Storms, George W., Louisville, Ky. Concrete-culvert form. No. 1,211,890; Jan. 9; v. 234; p. 555.
- Storr, Bertram V. (See Renwick and Storr.)
- Storrs, Aaron P., assignor to Storrs Mica Company, Owego, N. Y. Shade-holder. No. 1,213,293; Jan. 23; v. 234; p. 1107.
- Storrs Mica Company. (See Storrs, Aaron P., assignor.)
- Stortz Gear Shift Company. (See Stortz, John H., assignor.)
- Stortz, John H., Philadelphia, Pa. Display-box. No. 1,228,714; June 5; v. 239; p. 116.
- Stortz, John H., Philadelphia, Pa., assignor to Stortz Gear Shift Company, Wilmington, Del. Gear-selecting controller. No. 1,215,742; Feb. 13; v. 235; p. 478.
- Stortz, John H., Philadelphia, Pa., assignor to Stortz Gear Shift Company, Wilmington, Del. Power-transmitting mechanism. No. 1,224,682; May 1; v. 238; p. 202.
- Story & Clark Piano Company. (See Dumas, George V., assignor.)
- Story, Hudson F., assignor of one-half to J. D. Boley, Highland, Cal. Power transmission. No. 1,243,640; Oct. 16; v. 243; p. 755.
- Story, John B., Forest, Miss. Motor-plow tractor. No. 1,247,170; Nov. 20; v. 244; p. 669.
- Story, Leonard L., East Fairfield, Vt. Accounting device. No. 1,240,621; Sept. 18; v. 242; p. 665.
- Story, Ward B., Brooklyn, assignor to Ward B. Story Company, Inc., New York, N. Y. Adjustable cam. No. 1,210,559; Jan. 2; v. 234; p. 63.
- Story, Ward B., Brooklyn, assignor to Ward B. Story Company, Inc., New York, N. Y. Cylinder for printing-machines. No. 1,217,524; Feb. 27; v. 235; p. 1198.
- Story, Ward B., Brooklyn, assignor to Ward B. Story Company, Inc., New York, N. Y. Registering device. No. 1,237,225; Aug. 14; v. 241; p. 576.
- Story, Ward B., New York, N. Y., assignor to American Assembling Machine Company. Sheet separating and feeding device. No. 1,248,946; Dec. 4; v. 245; p. 151.
- Story, Ward B., New York, N. Y., assignor to American Assembling Machine Company. Opening device. No. 1,249,851; Dec. 11; v. 245; p. 443.
- Story, William E., Jr., Schenectady, N. Y., assignor to General Electric Company. Insulating gas-tight seal. No. 1,215,074; Feb. 6; v. 235; p. 208.
- Storz, Carl, Tuttingen, Germany. Syringe. No. 1,222,814; Apr. 17; v. 237; p. 708.
- Stott, Grover T., and T. J. Heafey, Springfield, Ohio; said Stott assignor to said Heafey. Inner tube for tires. No. 1,245,524; Nov. 6; v. 244; p. 116.
- Stoudt, Michael, assignor of one-half to L. Crozier, Dunkirk, Ind. Vehicle-jack. No. 1,243,360; Oct. 16; v. 243; p. 671.
- Stough, Turney G. (See Sailer, Miller, and Stough.)
- Stout, Charles H., assignor to Crown Optical Company, Rochester, N. Y. Optical instrument. No. 1,226,026; May 15; v. 238; p. 752.
- Stout, Edward, Oskaloosa, and W. Haist, Burlington, Iowa. Recorder. No. 1,247,737; Nov. 27; v. 244; p. 865.
- Stout, Edward E., Indianapolis, Ind. Storage battery. No. 1,250,696; Dec. 18; v. 245; p. 731.
- Stout, George W., Trenton, N. J. Package-tie. No. 1,231,309; June 26; v. 239; p. 1106.
- Stout, George W., Merchantville, N. J., assignor to American Vulcanized Fibre Company, Wilmington, Del. Package-tie. No. 1,241,298; Sept. 25; v. 242; p. 913.
- Stout, Harry H., assignor to General Chemical Company, New York, N. Y. Rabble-tooth. No. 1,234,408; July 24; v. 240; p. 1046.
- Stover, Henry. (See Magerkurth, Charles, assignor.)

- Stover Manufacturing and Engine Company. (See McCulloch, Harry G., assignor.)
- Stow, Audley H., Maybeury, W. Va. Means for preventing explosions in mines. No. 1,228,985; June 5; v. 239; p. 205.
- Stow, William T., Coolamon, New South Wales, Australia. Draft-inducing, spark-destroying, and fume-conveying apparatus for locomotives and the like. No. 1,227,340; May 22; v. 238; p. 1232.
- Stowasser, Anthony, Milwaukee, Wis. Shock-absorber. No. 1,217,659; Feb. 27; v. 235; p. 1248.
- Stowe, Benjamin L., Jersey City, N. J., assignor to Morgan & Wright. Anchoring means for tire fabrics. No. 1,228,144; May 29; v. 238; p. 1532.
- Stowe, George, New York, N. Y., and G. E. Molyneux, Bayonne, N. J. Brake mechanism for automobiles. No. 1,232,621; July 10; v. 240; p. 392.
- Stowe, Floyd D., assignor to E. I. du Pont de Nemours Powder Company, Wilmington, Del. Painting-machine. No. 1,239,738; Sept. 11; v. 242; p. 354.
- Stowell, Henry F., Rochester, N. Y. Optical device for viewing moving pictures. No. 1,236,229; Aug. 7; v. 241; p. 226.
- Strack, Henry C., Owego, N. Y. Sharpening device. No. 1,229,668; June 12; v. 239; p. 485.
- Strack, Herman, assignor to Hansmann Manufacturing Company, Long Prairie, Minn. Plow-guide. No. 1,230,084; June 12; v. 239; p. 621.
- Strable, Arthur L., Benson, and H. B. Noyes, Omaha, Neb. Starting device for internal-combustion engines. No. 1,227,688; May 29; v. 238; p. 1378.
- Strahm, Frederick, Lawrence, Kans. Car-seal. No. 1,231,216; June 26; v. 239; p. 1077.
- Straight, Bennett D., assignor, by mesne assignments, to Butter Serving Machine Company, Inc., Rochester, N. Y. Apparatus for dispensing butter patties. No. 1,216,624; Feb. 20; v. 235; p. 845.
- Straight, Halver R., Adel, Iowa. Hollow-tile building-block. No. 1,212,417; Jan. 16; v. 234; p. 768.
- Straight, Halver R., Adel, Iowa. Sheet-metal door-frame. No. 1,231,091; June 26; v. 239; p. 1035.
- Straitt, George L., Winsted, Conn. Stove-lid lifter. No. 1,238,593; Aug. 28; v. 241; p. 1089.
- Straitt, Horatio N. (See Williams and Straitt.)
- Straitt, Jiles W., Jeffersonville, Ohio. Shock-binder. No. 1,250,046; Dec. 11; v. 245; p. 498.
- Straitt, William, et al. (See Lewis, Ralph A., assignor.)
- Straitt, William, Appleton, Wis. Traction-machine. No. 1,237,970; Aug. 21; v. 241; p. 853.
- Straitt, William, Appleton, Wis. Power-transmission mechanism for traction-machines. No. 1,250,381; Dec. 18; v. 245; p. 637.
- Straka, John, Chicago, Ill. Ball-shooter. No. 1,244,793; Oct. 30; v. 243; p. 1178.
- Straley, Thomas H. (See Muckle and Straley.)
- Stramaglia, Nick. (See Mars and Stramaglia.)
- Strampe, Arthur H., Paulina, Iowa. Switching means for aerial railways. No. 1,242,735; Oct. 9; v. 243; p. 443.
- Strand, Carl T., et al. (See Berggren, John A., assignor.)
- Strand, David, assignor to The Strand Machinery Company, Chicago, Ill. Die-cushion. No. 1,245,059; Oct. 30; v. 243; p. 1258.
- Strand Machinery Company, The. (See Billington, Arthur R., assignor.)
- Strand Machinery Company, The. (See Strand, David, assignor.)
- Strandberg, Harry, Newfolden, Minn. Self-serving dining-table. No. 1,224,035; Apr. 24; v. 237; p. 1162.
- Stranders, Jullen, Brooklyn, assignor to H. B. Kruger, New York, N. Y. Display device. No. 1,242,070; Oct. 2; v. 243; p. 191.
- Strandh, Hans I. F., Forserum, Sweden. Channel-oven, drying-oven, or the like. No. 1,243,777; Oct. 23; v. 243; p. 833.
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Wheeled plow. No. 1,237,407; Aug. 21; v. 241; p. 675.
- Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Planting mechanism. No. 1,247,738; Nov. 27; v. 244; p. 865.
- Strandt, Gustav, Milwaukee, Wis. Bottle-capping machine. No. 1,221,105; Apr. 3; v. 237; p. 35.
- Sträng, Henrik C., deceased, A. R. Grosstephan, administrator, assignor to G. Roeder, Harvey, Ill. Internal-combustion engine. No. 1,232,622; July 10; v. 240; p. 392.
- Strange, John, Neenah, Wis. Bucket-closure. No. 1,222,047; Apr. 10; v. 237; p. 396.
- Stransky, Stephen, Philadelphia, Pa. Spring-bottom for beds. No. 1,245,060; Oct. 30; v. 243; p. 1258.
- Stranszky, Emil, New York, N. Y. Electric water-heater. No. 1,221,106; Apr. 3; v. 237; p. 35.
- Strasburger, Lillian A., New York, N. Y. Device for concealing telephone sets. No. 1,221,919; Apr. 10; v. 237; p. 353.
- Strassel, Edward, Brooklyn, N. Y. Card-filing device. No. 1,247,347; Nov. 20; v. 244; p. 719.
- Strate, Lester K., Sutton, Neb. Automatic film-winding mechanism for cameras. No. 1,233,929; July 17; v. 240; p. 855.
- Strater, Theodore G., West Tisbury, assignor to Herman Strater & Sons, Boston, Mass. Faucet. No. 1,228,846; June 5; v. 239; p. 162.
- Stratford, Hugo C., Victoria, British Columbia, Canada. Automobile steering mechanism. No. 1,227,851; May 29; v. 238; p. 1434.
- Strathmore Company. (See Kilkenny, William F., assignor.)
- Strathmore Paper Company. (See Sanburn, Willis H., assignor.)
- Stratton, Harry F., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Electric controller. No. 1,225,686; May 8; v. 238; p. 594.
- Stratton, Harry F., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Electromagnetic apparatus. No. 1,225,687; May 8; v. 238; p. 594.
- Stratton, Harry F., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Electromagnetic device. No. 1,227,341; May 22; v. 238; p. 1232.
- Stratton, Harry F., Cleveland, Ohio, assignor, by mesne assignments, to The Electric Controller & Manufacturing Company. Induction-motor system. No. 1,237,226; Aug. 14; v. 241; p. 577.
- Stratton, John W., Linn, Kans. Gopher-trap. No. 1,230,054; June 12; v. 239; p. 610.
- Stratton, Thomas G., Fall River, Mass. Water-column connection for steam-boilers. No. 1,234,955; July 31; v. 240; p. 1252.
- Stratton, William E., Voltage, Oreg. Tool-handle. No. 1,211,783; Jan. 9; v. 234; p. 515.
- Straub, Charles G., Troy, N. Y. Lozenge-remover. No. 1,248,198; Nov. 27; v. 244; p. 995.
- Straub, Ernest J., Kansas City, Mo. Screenshot-supporting device. No. 1,245,632; Nov. 6; v. 244; p. 149.
- Straub, Francis J., New Kensington, Pa. Building-block and making the same. No. 1,212,840; Jan. 16; v. 234; p. 917.
- Straub, Fritz. (See Engi, Grob, and Straub.)
- Straubel, Edward L. (See Straubel, Louis A., E. T., and E. L.)
- Straubel, Ernest T. (See Straubel, Louis A., E. T., and E. L.)
- Straubel, Louis A., Green Bay, Wis. Machine for cutting and interfolding sheets of paper and the like. No. 1,242,262; Oct. 9; v. 243; p. 292.
- Straubel, Louis A., Green Bay, Wis. Cutting mechanism for interfolding-machines. No. 1,249,550; Dec. 11; v. 245; p. 354.
- Straubel, Louis A., E. T., and E. L., Green Bay, Wis. Multiple-fuel carburetor. No. 1,235,396; July 31; v. 240; p. 1384.
- Straughan, John W., Pratt, W. Va. Safety derailing device. No. 1,246,486; Nov. 13; v. 244; p. 433.
- Straughn, Charles R., Philadelphia, Pa. Combined rake and tedder. No. 1,222,815; Apr. 17; v. 237; p. 708.
- Straus, Alexander L., Baltimore, Md. Making a non-alcoholic beverage. No. 1,225,121; Apr. 17; v. 237; p. 813.
- Straus, Alexander L., assignor to Baltimore Process Company, Baltimore, Md. Making a non-alcoholic beverage. (Reissue.) No. 14,391; Nov. 6; v. 244; p. 266.
- Straus, Eugene J., St. Louis, Mo. Water-bag. No. 1,219,502; Mar. 20; v. 236; p. 628.
- Strause, Edmund A. (See Pettit, Jonathan E., assignor.)
- Strause Gas Iron Co. (See Spahr, Otto, assignor.)
- Strause Gas Iron Co. (See Stichter, Charles, assignor.)
- Strause, Leon L. (See Harrison, Charles L., assignor.)
- Strause, Mahlon S., assignor to Schuylkill Silk Mills, Reading, Pa. Union-suit. No. 1,251,439; Dec. 25; v. 245; p. 1000.
- Strauss, Edward E., Chicago, Ill. Display-stand for swatch-books. No. 1,215,588; Feb. 13; v. 235; p. 424.
- Strauss, Edwin W. (See Hoencke, Walter J. A., assignor.)
- Strauss, Gustavus E., New York, N. Y. Bag. No. 1,228,715; June 5; v. 239; p. 116.
- Strauss, Herbert R., Cleveland Heights Village, Ohio. Article of footwear. No. 1,247,467; Nov. 20; v. 244; p. 753.
- Strauss, Joseph B., Chicago, Ill. Bascule-bridge. No. 1,211,639; Jan. 9; v. 234; p. 465.
- Strauss, Joseph B., Chicago, Ill. Bridge. No. 1,211,640; Jan. 9; v. 234; p. 466.
- Strauss, Joseph B., Chicago, Ill. Passenger-carrying device. No. 1,235,506; July 31; v. 240; p. 1417.
- Strauss, Joseph B., Chicago, Ill. Bridge. No. 1,241,032; Sept. 25; v. 242; p. 832.
- Strauss, Julius C. (See Laurell, Charles W., assignor.)
- Strauss, Louis, Brooklyn, N. Y. Garment. No. 1,214,483; Jan. 30; v. 234; p. 1546.
- Strauss, Samuel, Los Angeles, Cal. Making shoes. No. 1,221,388; Apr. 3; v. 237; p. 136.
- Straw, Walter H., Bridgeport, Conn. Smoking-pipe. No. 1,226,922; May 22; v. 238; p. 1091.
- Strawn, Abner L., Hutchinson, Kans. Wire stretcher and reel. No. 1,249,237; Dec. 4; v. 245; p. 235.
- Strawn, Rudolph E., Lacon, Ill. Marking attachment for planters. No. 1,211,004; Jan. 2; v. 234; p. 217.
- Streamberg, Arthur L., Swampscott, Mass. Pay-roll-computing device. No. 1,234,956; July 31; v. 240; p. 1252.
- Streams, Charles J., Creede, Colo. Animal-trap. No. 1,247,171; Nov. 20; v. 244; p. 669.
- Streibelwerk, Gesellschaft mit beschränkter Haftung. (See Sandvoss, Hermann, assignor.)

- Strecker, Herman W., St. Louis, Mo. Down-drop sight-feed lubricator. No. 1,221,243; Apr. 3; v. 237; p. 85.
- Street, Fred, assignor of one-half to E. B. Kyle, Philadelphia, Pa. Automatic pilot-light gas-burner. No. 1,211,891; Jan. 9; v. 234; p. 555.
- Streeter, Clarence R. (See Muslar, Nelson, assignor.)
- Streeter, Perry H. (See Van Syoc, William E., assignor.)
- Streff, Charles. (See Ellmer and Streff.)
- Streich, Frank, assignor to The Union Wrapping Machine Company, Joliet, Ill. Dough-molding machine. No. 1,216,512; Feb. 20; v. 235; p. 805.
- Streigler, Fritz, Fort McKavett, Tex. Automatic trough-valve. No. 1,245,525; Nov. 6; v. 244; p. 116.
- Streitelmeier, John E. (See Brown, Robert G., assignor.)
- Strenyo, Andy, Cassandra, Pa. Fire-escape. No. 1,236,621; Aug. 14; v. 241; p. 383.
- Stresing, Albert C., Rochester, N. Y. Easel. No. 1,238,594; Aug. 28; v. 241; p. 1090.
- Stricker, Clarence W., assignor to The Perkins-Campbell Company, Cincinnati, Ohio. Power-transmission belt. No. 1,224,230; May 1; v. 238; p. 41.
- Strickland, David, New York, N. Y. Brickmaking-machine. No. 1,215,215; Feb. 6; v. 235; p. 255.
- Strickland, Fred, Anderson, S. C. Oil-extracting apparatus. No. 1,233,930; July 17; v. 240; p. 855.
- Strickland, William R., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Motor-vehicle. No. 1,224,973; May 8; v. 238; p. 353.
- Strickle, George R., Alton, La., assignor of one-third to N. T. Pool, Fulton county, Ga., one-sixth to H. Mortimer Lamb, Montreal, Canada, and one-sixth to A. W. Stirling, Fulton county, Ga. Paint. No. 1,234,816; July 31; v. 240; p. 1206.
- Strickler, Morris, Jersey City, N. J. Hat-pin. No. 1,221,624; Apr. 3; v. 237; p. 217.
- Strickler, Oliver P., and B. C. Lewis, Mason City, Iowa, assignors to Wonder Carburetor Heater Company. Carburetor-heating device. No. 1,230,619; June 19; v. 239; p. 838.
- Strid, Sven J., Chicago Heights, Ill. Uncoupling device for railway-cars. No. 1,247,172; Nov. 20; v. 244; p. 670.
- Strid, Sven J., Chicago, assignor of one-half to E. Carlson, Roseland, Chicago, Ill. Draft-rigging and buffer mechanism. No. 1,219,604; Mar. 20; v. 236; p. 663.
- Strietelmeier, John E. (See Brown and Strietelmeier.)
- Strietelmeier, John E., assignor to The Ideal Wheel Company, Cincinnati, Ohio. Taper-pin spoke-fastening. No. 1,217,361; Feb. 27; v. 235; p. 1138.
- Strietelmeier, John E., assignor to The Ideal Wheel Company, Cincinnati, Ohio. Demountable substitution-hub. No. 1,217,362; Feb. 27; v. 235; p. 1139.
- Strietelmeier, John E., assignor to The Ideal Wheel Company, Cincinnati, Ohio. Spring-wheel mechanism. No. 1,217,363; Feb. 27; v. 235; p. 1140.
- Strietelmeier, John E., assignor to The Ideal Wheel Company, Cincinnati, Ohio. Self-centering demountable wheel. No. 1,227,852; May 29; v. 238; p. 1434.
- Strieter, Florence A., Chicago, Ill. Railway-gate. No. 1,245,061; Oct. 30; v. 243; p. 1259.
- Strifer, Chester E., Alhambra, Cal. Tire-holding device. No. 1,234,409; July 24; v. 240; p. 1047.
- Strimble, Pierce J., Cleves, assignor of one-half to S. Struble, Cincinnati, Ohio. Car step and door operating mechanism. No. 1,220,905; Mar. 27; v. 236; p. 1153.
- String, Benjamin T. (See Fefell, Henry H., assignor.)
- Stringer, Alfred E., Chicago, Ill. Closet bowl and cover mount. No. 1,212,280; Jan. 16; v. 234; p. 721.
- Stringfellow, Ira, assignor of one-half to W. Stringfellow, Brookwood, Ala. Train-pipe-hose coupling. No. 1,243,778; Oct. 23; v. 243; p. 834.
- Stringham, John H., Jersey City, N. J. Apparatus for ignition in explosive-engines. No. 1,243,002; Oct. 16; v. 243; p. 563.
- Stringham, Joseph S. (See Giberson, Mason B., assignor.)
- Stringham, Richard H., Bountiful, Utah. Electrical drink-mixer. No. 1,242,493; Oct. 9; v. 243; p. 365.
- Strippel, Albert E., New York, N. Y. Stencil. No. 1,221,389; Apr. 3; v. 237; p. 136.
- Stritter, Karl A., Nahant, Mass. Sewing-machine. No. 1,212,841; Jan. 16; v. 234; p. 917.
- Strittmatter, William, and H. Schimmel, Weehawken, N. J. Let-off mechanism. No. 1,230,235; June 19; v. 239; p. 709.
- Strittmatter, William, and H. Schimmel, Weehawken, N. J. Let-off mechanism. No. 1,232,623; July 10; v. 240; p. 393.
- Stroback, Chris A., Jr., Austin, Minn. End-gate for wagons. No. 1,214,386; Jan. 30; v. 234; p. 1516.
- Stroband, Gerardus H. and J. H., Amsterdam, Netherlands. Drying apparatus. No. 1,241,299; Sept. 25; v. 242; p. 914.
- Stroband, Johannes H. (See Stroband, Gerardus H. and J. H.)
- Strobel, Francis J., Chicago, Ill., assignor to F. J. Strobel & Co. Leaf-binder. No. 1,225,886; May 15; v. 238; p. 704.
- Strobel & Wilken Company, The. (See Hart, Henry A., assignor.)
- Strobel & Wilken Company, The. (See Vierlinger, Herman K., assignor.)
- Strobl, Frank. (See Sebring and Strobl.)
- Strode, Ralph, Mikkala, Oreg. Weeder. No. 1,219,880; Mar. 20; v. 236; p. 760.
- Strohm, Samuel D., Philadelphia, Pa. Controller-support for dental chairs. No. 1,216,625; Feb. 20; v. 235; p. 845.
- Strohmeyer, Arthur J., Altoona, Pa. Lip-guard for drinking vessels. No. 1,217,661; Feb. 27; v. 235; p. 1248.
- Strom, Eugene N., assignor to Pettibone, Mulliken Company, Chicago, Ill. Railway-crossing. No. 1,211,892; Jan. 9; v. 234; p. 555.
- Strom, Matt, and E. Hoglund, Duluth, Minn. Soil-cultivator. No. 1,238,953; Sept. 4; v. 242; p. 75.
- Strom, Swan R., and C. W. Mourer, Chicago, Ill. Sliding-door opener and closer. No. 1,241,300; Sept. 25; v. 242; p. 914.
- Stromberg-Carlson Telephone Manufacturing Company. (See Dean, William W., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. (See Hague, Charles E., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. (See Haubrich, Alexander M., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company, The. (See Harris, Harvey L., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. (See Levis, John H., Jr., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. (See Libby, Albion D. T., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. (See Manson, Ray H., assignor.)
- Stromberg-Carlson Telephone Manufacturing Company. (See Reinke, Eugene A., assignor.)
- Stromberg-Carlson Telephone Mfg. Co. (See Slough, Frank M., assignor.)
- Stromberg, Joel A., New Norway, Alberta, Canada. Automatic wrench. No. 1,218,488; Mar. 6; v. 236; p. 206.
- Stromberg, John A., Escanaba, Mich. Package-selling system. No. 1,211,641; Jan. 9; v. 234; p. 466.
- Stromberg Motor Devices Company. (See Cole, Don, assignor.)
- Stromberg Motor Devices Company. (See Goldberg, John S., assignor.)
- Stromberg, Peter A., Rosewood, Minn. Foot-guard. No. 1,234,817; July 31; v. 240; p. 1206.
- Stromberg, William E., assignor of one-half to E. H. Schmicking, New York, N. Y. Print-drying machine. No. 1,234,410; July 24; v. 240; p. 1047.
- Strömer, Axel A. L., Helsingborg, Sweden. Automatic advertising apparatus. No. 1,235,168; July 31; v. 240; p. 1315.
- Stromquist, Carl E., Coffeyville, Kans. Headlight-steering mechanism. No. 1,240,509; Sept. 18; v. 242; p. 632.
- Strong, Arthur J., assignor, by mesne assignments, to The Bock Bearing Company, Toledo, Ohio. Cage for roller-bearings. No. 1,242,388; Oct. 9; v. 243; p. 332.
- Strong, Arthur P. (See Poppenhusen and Strong.)
- Strong, Arthur P., Chicago, assignor to Green Engineering Company, East Chicago, Ill. Ash-conveying system. No. 1,211,500; Jan. 9; v. 234; p. 418.
- Strong, Arthur P., Chicago, assignor to Green Engineering Company, East Chicago, Ill. Intake-fitting for conveying systems. No. 1,237,408; Aug. 21; v. 241; p. 675.
- Strong, Arthur P., Chicago, Ill., assignor to Green Engineering Company, East Chicago, Ind. Furnace. No. 1,242,263; Oct. 9; v. 243; p. 292.
- Strong, Arthur P., Chicago, Ill., assignor to Green Engineering Company, East Chicago, Ind. Intake-fitting for conveying systems. No. 1,243,892; Oct. 23; v. 243; p. 870.
- Strong, Arthur P., Chicago, Ill., assignor to Green Engineering Company, East Chicago, Ind. Ash-conveying system. No. 1,243,893; Oct. 23; v. 243; p. 870.
- Strong, Berdette B., and H. G. Clemenger, Jamestown, N. Y. Means for holding sheet-veneer while bleaching. No. 1,213,431; Jan. 23; v. 234; p. 1157.
- Strong, Chester F., Des Moines, Iowa. Automatic electric generating apparatus. No. 1,225,283; May 8; v. 238; p. 456.
- Strong, Chester F., Des Moines, Iowa. Automatic electric generating apparatus. No. 1,225,284; May 8; v. 238; p. 457.
- Strong, Elsie. (See Pitt, John W., assignor.)
- Strong, Ira, Petrol, N. D., assignor of one-half to H. J. Wright, Des Moines, Iowa. Railway-rail joint. No. 1,227,689; May 29; v. 238; p. 1378.
- Strong, William J. H. (See Freeland, Lloyd D., assignor.)
- Stronge, Joseph, St. Paul, Minn. Hat. No. 1,212,842; Jan. 16; v. 234; p. 918.
- Strongson, Herman, assignor of one-half to R. F. Greacen, New York, N. Y. Writing-machine cylinder. No. 1,242,071; Oct. 2; v. 243; p. 191.
- Strother, Robert H., Montclair, N. J., assignor to Remington Typewriter Company, Ilion, N. Y. Computing-machine. No. 1,214,608; Feb. 6; v. 235; p. 44.
- Strothman, Louis E., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Pumping-engine. No. 1,222,816; Apr. 17; v. 237; p. 709.
- Stroud, Harold D., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Telephone-exchange system. No. 1,229,165; June 6; v. 239; p. 265.
- Stroud, John B., Pass Christian, Miss. Tire or casing spreading tool. No. 1,211,005; Jan. 2; v. 234; p. 217.

- Stroud, John B., Paris, assignor of one-fifth to G. B. Evans, Dallas, Tex. Demountable rim. No. 1,246,678; Nov. 13; v. 244; p. 490.
- Stroud, Thomas L., Fort Myer, Va., assignor to J. L. McLucas, Tennyaltown, Washington, D. C. Food-chopper. No. 1,238,358; Aug. 28; v. 241; p. 1013.
- Stroud, William. (See Barr and Stroud.)
- Stroup, Philip, Cleveland, Ohio. Instantaneous electric-socket attachment. No. 1,213,035; Jan. 16; v. 234; p. 985.
- Strout, Adele T., Littleton, Mass. Refrigerator. No. 1,235,736; Aug. 7; v. 241; p. 66.
- Struble, Rose L. B., Penn Yan, N. Y. Automobile-signal. No. 1,244,560; Oct. 30; v. 243; p. 1108.
- Struble, Stanley. (See Strimble, Pierce J., assignor.)
- Strubler, Charles G., assignor to Strubler Computing Scale Company, Elkhart, Ind. Platform computing-scale. No. 1,213,294; Jan. 23; v. 234; p. 1108.
- Strubler, Charles G., assignor to Strubler Computing Scale Company, Elkhart, Ind. Scale-check device. No. 1,213,295; Jan. 23; v. 234; p. 1108.
- Strubler, Charles G., assignor to Strubler Computing Scale Company, Elkhart, Ind. Computing-scale. No. 1,213,296; Jan. 23; v. 234; p. 1109.
- Strubler Computing Scale Company. (See Strubler, Charles G., assignor.)
- Struchen, Henry C., St. Paul, Minn. Guide-bar support for concrete-gages. No. 1,212,843; Jan. 16; v. 234; p. 918.
- Struchen, Henry C., St. Paul, Minn. Toy pistol. No. 1,213,432; Jan. 23; v. 234; p. 1157.
- Struchen, Henry C., St. Paul, Minn. Emergency-tire. No. 1,248,947; Dec. 4; v. 243; p. 152.
- Structural Pressed Steel Wheel Company. (See Lachman, Maurice, assignor.)
- Strug, Frank, assignor of one-half to M. Feret, Wilmington, Del. Collapsible bed. No. 1,250,697; Dec. 18; v. 245; p. 731.
- Struke, Frederick C., assignor of one-half to W. L. Schultz, Chicago Heights, Ill. Gas-engine. No. 1,237,119; Aug. 14; v. 241; p. 546.
- Struse, Richard E. (See Blissman and Struse.)
- Struthers, James L. (See Lancaster and Struthers.)
- Strzyckowski, Julian, New York, N. Y. Laminated railway-tie. No. 1,219,503; Mar. 20; v. 236; p. 628.
- Stuard, James A., Harrisburg, Pa., F. L. Smith, Chicago, Ill., and T. B. Williams, assignors to The Leavitt Machine Company, Orange, Mass. Facing-tool for dressing valve-seats, &c. No. 1,227,500; May 22; v. 238; p. 1284.
- Stuart, Carl P., Gorham, N. H. Magazine attachment for firearms. No. 1,244,794; Oct. 30; v. 243; p. 1179.
- Stuart, Edwards B., Chicago, Ill. Vehicle for waste material. No. 1,222,337; Apr. 10; v. 237; p. 499.
- Stuart, Edwin R., U. S. Army. Sensitive percussion-fuse. No. 1,229,669; June 12; v. 239; p. 486.
- Stuart, Francis L., Baltimore, Md. Apparatus for raising and conveying coal, &c. No. 1,230,236; June 19; v. 239; p. 710.
- Stuart, Francis L., Baltimore, Md. Conveying and loading apparatus. No. 1,231,449; June 26; v. 239; p. 1154.
- Stuart, Francis L., Baltimore, Md. Loading and storing apparatus. No. 1,241,053; Sept. 25; v. 242; p. 833.
- Stuart, Frank J., St. Louis, Mo. Medical appliance. No. 1,239,634; Sept. 11; v. 242; p. 319.
- Stuart, George L., Berlin, N. H. Automobile-lock. No. 1,247,594; Nov. 20; v. 244; p. 789.
- Stuart, Hamilton C., St. Johnsbury, Vt. Gas-burner. No. 1,218,012; Mar. 6; v. 236; p. 43.
- Stuart, Hamilton C., St. Johnsbury, Vt. Fire-box. No. 1,223,441; Apr. 24; v. 237; p. 954.
- Stuart, Hamilton C., St. Johnsbury, Vt. Oil-pan. No. 1,223,442; Apr. 24; v. 237; p. 954.
- Stuart, Harve R., Springfield, Ohio, assignor to Westinghouse Electric and Manufacturing Company. Regulating-controller for electric motors. No. 1,231,666; July 3; v. 240; p. 43.
- Stuart, Harve R., assignor to The Robbins & Myers Company, Springfield, Ohio. Electric generator and motor. No. 1,238,213; Aug. 28; v. 241; p. 965.
- Stuart, Henry J. (See Russ and Stuart.)
- Stuart, Henry J., assignor to The Robert N. Bassett Company, Derby, Conn. Tab end. No. 1,226,271; May 15; v. 238; p. 840.
- Stuart, Henry J., Derby, assignor to Robert N. Bassett Company, Incorporated, Shelton, Conn. Loop and button clasp. No. 1,236,120; Aug. 7; v. 241; p. 190.
- Stuart, Henry J., Derby, assignor to Robert N. Bassett Company, Incorporated, Shelton, Conn. Buckle. No. 1,236,121; Aug. 7; v. 241; p. 190.
- Stuart, John A., et al. (See Hill, Jesse H., assignor.)
- Stuart, John C. K., Montreal, Quebec, Canada. Section-elbow for concrete-conveyers. No. 1,211,734; Jan. 9; v. 234; p. 515.
- Stuart, John L., Oakland, assignor to Stuart Machine Co., San Francisco, Cal. Gromet making and setting machine. No. 1,249,238; Dec. 4; v. 245; p. 235.
- Stuart, Joseph, assignor to Lobdell Car Wheel Company, Wilmington, Del. Steel car-wheel. No. 1,218,489; Mar. 6; v. 236; p. 207.
- Stuart, Kenneth E., Philadelphia, Pa. Automatic electric-railway system. No. 1,229,807; June 12; v. 239; p. 532.
- Stuart, Kenneth E., Philadelphia, Pa. Electric-railway system. No. 1,240,897; Sept. 25; v. 242; p. 785.
- Stuart, Kenneth E., London, England. Electric-railway system. No. 1,240,898; Sept. 25; v. 242; p. 785.
- Stuart, Kenneth E., Philadelphia, Pa. Railway selective system. No. 1,243,457; Oct. 16; v. 243; p. 699.
- Stuart Machine Co. (See Stuart, John L., assignor.)
- Stubbe, William J. (See Garlock and Stubbe.)
- Stubblebine, Raymond F., assignor to Hale and Kilburn Company, Philadelphia, Pa. Car-seat. No. 1,250,698; Dec. 18; v. 245; p. 732.
- Stubblefield, Charlie C., and F. C. Hawkins, Rogers, Ark. Lock-nut. No. 1,226,143; May 15; v. 238; p. 792.
- Stubblefield, John A., and R. R. Thompson, Thermopolis, Wyo. Razor-handle. No. 1,214,609; Feb. 6; v. 235; p. 45.
- Stubblefield, John A., assignor of one-half to J. W. Butler, Portland, Oreg. Lock-nut. No. 1,246,679; Nov. 13; v. 244; p. 490.
- Stubblefield, Robert F., Enterprise, Oreg. Sidehill-plow. No. 1,247,739; Nov. 27; v. 244; p. 866.
- Stubblefield, Thomas F., Memphis, Tenn. Revolving advertising device. No. 1,233,931; July 17; v. 240; p. 855.
- Stubbs, Herbert L., Colorado Springs, Colo. Lamp-shade bracket. No. 1,242,494; Oct. 9; v. 243; p. 365.
- Stubbs, Robert A., assignor of three-fourths to G. W. Griswold, Dallas, Tex. Mechanism for compressing and sheeting loose materials. No. 1,248,747; Dec. 4; v. 245; p. 95.
- Stubbs, Robert C., Dallas, Tex. Concrete-cleaner. No. 1,214,093; Jan. 30; v. 234; p. 1413.
- Stuber, Frank L., South Bethlehem, Pa. Photoprinting-machine. No. 1,223,214; Apr. 17; v. 237; p. 844.
- Stubbjare, Joe A., assignor to Tubular Wall Company, Billings, Mont. Building-forms. No. 1,230,055; June 12; v. 239; p. 610.
- Stuck, Everett, assignor to O. M. Edwards, Syracuse, N. Y. Forming the sheet-metal barrels of winding-rollers. No. 1,224,579; May 1; v. 238; p. 166.
- Stuck, George O., Union City, Ind. Automobile-body. No. 1,228,257; May 29; v. 238; p. 1568.
- Stuckel, Frank C., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Grain-screen for threshing-machines. No. 1,217,364; Feb. 27; v. 235; p. 1140.
- Stuckel, Arnold, Pittsburgh, Pa. Roller side bearing. No. 1,232,118; July 3; v. 240; p. 197.
- Studebaker Corporation, The. (See Baus, Richard E., assignor.)
- Studebaker Corporation, The. (See Heaslet, James G., assignor.)
- Studebaker Corporation, The. (See MacGlashan, William, assignor.)
- Stuebing, William, Jr. (See Van Guelpen and Stuebing.)
- Stuebing, William, Jr., and L. J. Van Guelpen, Cincinnati, Ohio. Machine for inking or coloring the edges of leather or other material. (Reissue.) No. 14,345; Aug. 21; v. 241; p. 888.
- Stuedeman, Anton G., Sheboygan, assignor to Falls Machine Company, Sheboygan Falls, Wis. Chain-feed rip-saw machine. No. 1,248,748; Dec. 4; v. 245; p. 95.
- Stuewe, Adolph, Alma, Kans. Wrench. No. 1,245,062; Oct. 30; v. 243; p. 1259.
- Stuewe, Max H., Los Angeles, Cal. Milk-pitcher. No. 1,216,180; Feb. 13; v. 235; p. 636.
- Stuewe, Oscar H. (See Marquardt and Stuewe.)
- Stuhlmiller, William, New York, N. Y. Decorative product and making the same. No. 1,217,660; Feb. 27; v. 235; p. 1248.
- Stukart, Hendrik, assignor to U. S. Slicing Machine Company, La Porte, Ind. Backplate for meat-slicing machines. No. 1,243,894; Oct. 23; v. 243; p. 870.
- Stull, Herbert L., Stroudsburg, Pa. Snow-melting attachment for locomotives. No. 1,219,185; Mar. 13; v. 236; p. 489.
- Stull, Jacob H., Fremont, Ohio. Rail-joint. No. 1,227,853; May 29; v. 238; p. 1435.
- Stump, Benjamin F., assignor of one-half to H. S. Westbrook, Dunbar, Nebr. Lock-nut. No. 1,229,808; June 12; v. 239; p. 532.
- Stump, Ira E., Cleveland, Ohio, assignor of one-third to H. Hastings, Rochester, N. Y. Alarm or signal apparatus. No. 1,221,920; Apr. 10; v. 237; p. 353.
- Stump, William M., Talent, Oreg. Clamping device. No. 1,248,199; Nov. 27; v. 244; p. 995.
- Stupar, Maximilian, assignor of one-half to H. S. Renton, Chicago, Ill. Aeroplane. No. 1,220,374; Mar. 27; v. 236; p. 972.
- Stuppillo, Francesco, Watertown, N. Y. Gage. No. 1,216,879; Feb. 20; v. 235; p. 930.
- Stürcke, Adrianna, Ossining, N. Y. Laundry bluing. No. 1,219,186; Mar. 13; v. 236; p. 489.
- Sturjel, Aris F., Lexington, Ky. Adjustable chimney-jack. No. 1,250,699; Dec. 18; v. 245; p. 732.
- Sturges, Arthur H. (See O'Keeffe, Elbert R., assignor.)
- Sturges, Arthur H., Omaha, Nebr. Locking means for vehicle steering-wheels. No. 1,226,720; May 22; v. 238; p. 1022.
- Sturges, Arthur H., Omaha, Nebr. Automobile-lock. No. 1,247,896; Nov. 27; v. 244; p. 911.

- Sturges, Clarence B., Fairfield, Conn., assignor to Weiss Engine Company, Wilmington, Del. Steam-supply for internal-combustion engines. No. 1,218,606; Mar. 6; v. 236; p. 248.
- Sturges, Walter, assignor to M. J. Trumble, Los Angeles, Cal. Milk-bottle container. No. 1,227,214; May 22; v. 238; p. 1191.
- Sturgis, Charles E., Rochester, N. Y. Brace and locking means for hinged or swinging parts. No. 1,213,969; Jan. 30; v. 234; p. 1370.
- Sturm, Charles A., and G. R. Hurlbut, Portland, Oreg.; said Sturm assignor to said Hurlbut. Railway safety device. No. 1,218,816; Mar. 13; v. 236; p. 362.
- Sturm, James C., Grafton, W. Va. Tractor. No. 1,227,016; May 22; v. 238; p. 1125.
- Sturm, Lester, Roscoe, Ill. Farrowing-box. No. 1,230,237; June 19; v. 239; p. 710.
- Sturr, Charles W., Cincinnati, Ohio. Automobile-lock. No. 1,218,013; Mar. 6; v. 236; p. 43.
- Sturrock, James F., Newark, assignor to The Nairn Linoleum Company, Kearney, N. J. Machine for printing oil-cloth and the like. No. 1,216,181; Feb. 13; v. 235; p. 636.
- Sturrock, John, Chicago, Ill., assignor to International Harvester Company of New Jersey. Oil-cup cover. No. 1,211,893; Jan. 9; v. 234; p. 556.
- Sturrock, John, Chicago, Ill., assignor to International Harvester Company of New Jersey. Journal-bearing. No. 1,219,187; Mar. 13; v. 236; p. 489.
- Sturrock, John, Chicago, Ill., assignor to International Harvester Company of New Jersey. Grain-drill. No. 1,226,721; May 22; v. 238; p. 1022.
- Sturrock, John, Chicago, Ill., assignor to International Harvester Company of New Jersey. Buckle. No. 1,234,818; July 31; v. 240; p. 1207.
- Sturtevant, Arthur, Santa Barbara, Cal. Automobile-signal. No. 1,237,120; Aug. 14; v. 241; p. 546.
- Sturtevant, Cullen K. (See Hamilton, Cameron G., assignor.)
- Sturtevant, Henry S., and E. K. Biddy, Hartford, Conn. Cover-supporting device. No. 1,242,736; Oct. 9; v. 243; p. 443.
- Sturtevant Mill Company. (See Sturtevant, Thomas J., assignor.)
- Sturtevant Mill Company. (See Sturtevant, Thomas L. and T. J., assignors.)
- Sturtevant, Thomas E., Dover, N. J. Pile-hammer. No. 1,226,272; May 15; v. 238; p. 840.
- Sturtevant, Thomas E., assignor to McKiernan-Terry Drill Company, Dover, N. J. Spike-holder for hammer-drills. No. 1,213,970; Jan. 30; v. 234; p. 1370.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Rotary beater-mill. No. 1,212,418; Jan. 16; v. 234; p. 769.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Rotary-beater mill. No. 1,215,075; Feb. 6; v. 235; p. 208.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Screening or separating machine. No. 1,229,810; June 12; v. 239; p. 533.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Screening or separating machine. No. 1,229,811; June 12; v. 239; p. 533.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Screening or separating machine. No. 1,229,812; June 12; v. 239; p. 534.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Screening or separating machine. No. 1,229,813; June 12; v. 239; p. 534.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Screening or separating machine. No. 1,229,814; June 12; v. 239; p. 534.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Screening or separating machine. No. 1,229,815; June 12; v. 239; p. 535.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Screening or separating machine. No. 1,229,816; June 12; v. 239; p. 535.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Screening or separating machine. No. 1,229,817; June 12; v. 239; p. 535.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Screening or separating machine. No. 1,229,818; June 12; v. 239; p. 536.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Jarring mechanism for screening or separating machines. No. 1,229,819; June 12; v. 239; p. 536.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Jarring mechanism for screening or separating machines. No. 1,229,820; June 12; v. 239; p. 537.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Jarring mechanism for screening or separating machines. No. 1,229,821; June 12; v. 239; p. 537.
- Sturtevant, Thomas J., Wellesley, Mass., assignor to Sturtevant Mill Company. Mixing-machine. No. 1,234,230; July 24; v. 240; p. 987.
- Sturtevant, Thomas L., Quincy, Mass., assignor to Sturtevant Mill Company. Rotary beater-mill. No. 1,212,419; Jan. 16; v. 234; p. 769.
- Sturtevant, Thomas L., Quincy, and T. J. Sturtevant, Wellesley, Mass., assignors to Sturtevant Mill Company. Screening or separating machine. No. 1,229,809; June 12; v. 239; p. 532.
- Sturtz, Cecil, near Dysart, Iowa. Shelling device. No. 1,236,995; Aug. 14; v. 241; p. 506.
- Sturzl, John B., Hiles, Wis. Leaf-turning device. No. 1,213,297; Jan. 23; v. 234; p. 1109.
- Stutler, Abraham H., West Union, W. Va. Churn-operating mechanism. No. 1,223,006; Apr. 17; v. 237; p. 773.
- Stutts, Jesse W., Florence, Ala. Circuit-closer. No. 1,221,486; Apr. 3; v. 237; p. 170.
- Stutzke, Richard W. G., assignor, by mesne assignments, to G. A. Buhl, Chicago, Ill. Process and apparatus for desiccating fluid substances. No. 1,215,889; Feb. 13; v. 235; p. 530.
- Stutzman, Chancey A., assignor of one-half to C. F. Vanatta, Harlan, Iowa. Animal-trap. No. 1,242,737; Oct. 9; v. 243; p. 444.
- Stutzman, Elmer F., Johnstown, Pa. Horseshoer's stand. No. 1,231,963; July 3; v. 240; p. 143.
- Styles, Joseph H., assignor to Defiance Button Machine Co., New York, N. Y. Trimming-button. No. 1,227,501; May 22; v. 238; p. 1285.
- Styll, Harry H. (See Hamilton and Styll.)
- Styll, Harry H., and H. K. Parsons, Southbridge, Mass. Lens-slotting machine. No. 1,220,287; Mar. 27; v. 236; p. 941.
- Stynsberg, John, Duluth, Minn. Heating-stove. No. 1,250,707; Dec. 18; v. 245; p. 734.
- Styring, Howard A., Middletown, Ohio. Incandescent lamp. No. 1,231,667; July 3; v. 240; p. 44.
- Suares, Octave J. (See Clairain and Suares.)
- Sub-Surface Vacuum Development Company, The. (See Coach, Richard J., assignor.)
- Subers, Lawrence A., East Cleveland, Ohio. Fabric and hose making machine. No. 1,220,288; Mar. 27; v. 236; p. 941.
- Subers, Lawrence A., East Cleveland, Ohio. Automatically-acting device for coating the yarn elements from which a laminated cohesive interwound fabric band is constructed. No. 1,223,636; Apr. 24; v. 237; p. 1024.
- Subers, Lawrence A., East Cleveland, Ohio. Hose. No. 1,227,690; May 29; v. 238; p. 1378.
- Subers, Lawrence A., East Cleveland, Ohio. Laminated, cohesive, interwound, bonded fabric. No. 1,230,338; June 19; v. 239; p. 743.
- Subers, Lawrence A., East Cleveland, Ohio. Laminated, cohesive, interwound fabric constructed in tubular and annular form. No. 1,233,420; July 17; v. 240; p. 689.
- Subers, Lawrence A., East Cleveland, Ohio. Stretching and coating machine. No. 1,234,704; July 24; v. 240; p. 1137.
- Submarine Exploration Co. (See Hartman, Hans, assignor.)
- Submarine Signal Company. (See Fessenden, Reginald A., assignor.)
- Submarine Signal Company. (See Weintraub, Ezechiel, assignor.)
- Submarine Wireless Company. (See Berger, Christian, assignor.)
- Subry, Frank, Denver, Colo. Pump. No. 1,223,122; Apr. 17; v. 237; p. 813.
- Suchanek, Venceslas, Eaubonne, assignor to G. P. and G. A. Poulalion, Paris, France. Means for indicating at a distance the level of liquids. No. 1,231,964; July 3; v. 240; p. 143.
- Suchovsky, Frank, Hoboken, N. J. Life-boat protector. No. 1,243,117; Oct. 16; v. 243; p. 599.
- Suckow, William, Mayville, Wis. Levelling device for threshing-machines. No. 1,248,031; Nov. 27; v. 244; p. 947.
- Suzek, Robert. (See Kothny and Suzek.)
- Suzek, Robert, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Ejector-control apparatus. No. 1,239,535; Sept. 11; v. 242; p. 288.
- Sudiah, Rachel, New York, N. Y. Detachable button. No. 1,219,183; Mar. 13; v. 236; p. 489.
- Suehy, Albert, Jr., Philadelphia, Pa. Machine for cleaning plastic materials. No. 1,247,173; Nov. 20; v. 244; p. 670.
- Sueifohn, Anton, Milwaukee, Wis. Lavatory-bowl. No. 1,224,974; May 8; v. 238; p. 353.
- Suess, Edmund L., Pittsburgh, Pa. Spark-plug. No. 1,220,472; Mar. 27; v. 236; p. 1007.
- Suess, Edmund L., Pittsburgh, Pa. Spark-plug. No. 1,232,732; July 10; v. 240; p. 430.
- Suess, Edmund L., Pittsburgh, Pa. Cushion-tire. No. 1,237,574; Aug. 21; v. 241; p. 728.
- Suerttinger, Robert H., Two Rivers, Wis. Swinging-sash holder. No. 1,234,957; July 31; v. 240; p. 1253.
- Suffa, George A., Dorchester, Mass. Push-rod. No. 1,210,871; Jan. 2; v. 234; p. 169.
- Suffa, George A., Boston, Mass. Speculum. No. 1,237,121; Aug. 14; v. 241; p. 546.
- Suffolk, Thomas E., Donora, Pa. Shovel and conveying machine. No. 1,249,239; Dec. 4; v. 245; p. 235.
- Sugar Centrifugal Discharger Company. (See Roberts, Eugene, assignor.)
- Sugarman, Abraham J., et al. (See Shermund, Conrad, assignor.)
- Sugarman, Benjamin B., et al. (See Shermund, Conrad, assignor.)

Alphabetical list of patentees—Continued.

- Sugarmann, Edward. (See Rubin, Harry, assignor.)
- Sugden, Edmunds J. (See McKibbin, John B., assignor.)
- Sugden, J. Fred. (See Drake, Richard, assignor.)
- Sugg, Charles P., Spottsville, Ky. Safety device for elevators. No. 1,219,050; Mar. 13; v. 236; p. 443.
- Suggs, Everett C., Pueblo, Colo. Locking device for vehicles. No. 1,248,200; Nov. 27; v. 244; p. 995.
- Sugimoto, Jinnosuki, *et al.* (See Sugimoto, Kyota, assignor.)
- Sugimoto, Kyota, Tokyo, assignor of one-third to N. Otani and one-third to J. Sugimoto, Kyoto, Japan. Type-writer. No. 1,245,633; Nov. 6; v. 244; p. 149.
- Suhm, Arthur J., Milwaukee, Wis. Barrel-washing machine. No. 1,231,092; June 26; v. 239; p. 1035.
- Sullenberger, John F., Columbus, Ga. Drying-machine. No. 1,216,880; Feb. 20; v. 235; p. 930.
- Sullivan, Andrew J., Franklin, Mass. Suspender-tab. No. 1,234,519; July 31; v. 240; p. 1207.
- Sullivan, Arthur B. (See Mott, Samuel D., assignor.)
- Sullivan, Cecelia L., Worcester, Mass., assignor, by mesne assignments, to Universal Patents Company, Woonsocket, R. I. Carrier or cover for canteens or water-bottles, &c. No. 1,228,258; May 29; v. 238; p. 1568.
- Sullivan, Daniel S., St. Louis, Mo. Skirt-measuring gage and marker. No. 1,224,683; May 1; v. 238; p. 202.
- Sullivan, Daniel J., and C. F. Stevens, Carson City, Nev. Device for drawing parallel lines. No. 1,227,854; May 29; v. 238; p. 1435.
- Sullivan, Dudley J., Chicago, Ill. Billiard-cue-tip fastening. No. 1,221,107; Apr. 3; v. 237; p. 36.
- Sullivan, Francis R., Shelburne, Mass. Writing fluid. No. 1,228,259; May 29; v. 238; p. 1568.
- Sullivan, George E. (See Brooks, John, assignor.)
- Sullivan, James F., assignor to Sullivan Manufacturing Co., Camden, N. J. Cleaning-powder. No. 1,216,182; Feb. 13; v. 235; p. 637.
- Sullivan, James H. (See Gladding and Sullivan.)
- Sullivan, Jeremiah J., Nashville, Tenn. Lateral-motion truck-bolster. No. 1,224,684; May 1; v. 238; p. 203.
- Sullivan, Jeremiah J., Nashville, Tenn. Lateral-motion truck-bolster. No. 1,224,685; May 1; v. 238; p. 203.
- Sullivan, Joseph J. (See Harris, Alfred M., assignor.)
- Sullivan Machinery Company. (See Gilman, George H., assignor.)
- Sullivan Machinery Company. (See Holdsworth, Fred D., assignor.)
- Sullivan Machinery Company. (See Mercer, Henry H., assignor.)
- Sullivan Machinery Company. (See Mercer and O'Rourke, assignors.)
- Sullivan Machinery Company. (See O'Rourke and Holdsworth, assignors.)
- Sullivan Machinery Company. (See Rimmer, Gilbert, assignor.)
- Sullivan Machinery Company. (See Willey, Frank E., assignor.)
- Sullivan Machinery Company. (See Wineman, Wade H., assignor.)
- Sullivan Manufacturing Co. (See Sullivan, James F., assignor.)
- Sullivan, Michael J., Kansas City, Mo. Order-indicator for trainmen. No. 1,235,737; Aug. 7; v. 241; p. 66.
- Sullivan, Robert E., Fairmont, W. Va. Casing-spear. No. 1,254,231; July 24; v. 240; p. 987.
- Sullivan, Stephen F. (See Mooney, Thomas H., assignor.)
- Sullivan, Thomas A., Brooklyn, N. Y., and H. J. Von Beck, Boston, Mass., assignors to Brooklyn Cooperage Company, New York, N. Y. Barrel-heading apparatus. No. 1,228,076; May 29; v. 238; p. 1511.
- Sullivan, Walter P., Horton, Kans. Automatic gear-shifting mechanism. No. 1,226,144; May 15; v. 238; p. 792.
- Sullivan, William F., *et al.* (See Grove, Edward H., assignor.)
- Sullivan, William J., Bessemer, Ala. Measuring device. No. 1,226,722; May 22; v. 238; p. 1023.
- Sullivan, William J., New Brookland, S. C. Automatic ball-bearing bobbin-holder. No. 1,231,217; June 26; v. 239; p. 1077.
- Sullwold, Albert, Grove, Okla. Annunciator. No. 1,232,453; July 3; v. 240; p. 302.
- Sullwold, Harold H., St. Paul, Minn. Storm-window grapple. No. 1,223,443; Apr. 24; v. 237; p. 954.
- Sullwold, William. (See Tobler and Sullwold.)
- Sulphur Syndicate Limited, The. (See Wierum, Howard F., assignor.)
- Sultz, Morton, Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Coating condensers. No. 1,210,722; Jan. 2; v. 234; p. 120.
- Sultz, Morton, Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Condenser-switch. No. 1,251,440; Dec. 25; v. 245; p. 1000.
- Sulzberger, Nathan, New York, N. Y. Packing catalytically-useful substances. No. 1,223,123; Apr. 17; v. 237; p. 813.
- Sumich, Simun, Roseburg, Oreg. Non-refillable bottle. No. 1,224,231; May 1; v. 238; p. 41.
- Summer, Gustave, Chicago, Ill. Brush. No. 1,219,504; Mar. 20; v. 236; p. 628.
- Summerbays, Elmer M., Hammond, Ind. Milk-bottle holder. No. 1,232,867; July 10; v. 240; p. 474.
- Summerfield, Emanuel P. (See Taylor, Aiken C., assignor.)
- Summerfield, Frederick W., Toledo, Ohio. Bee-shipping package. No. 1,239,536; Sept. 11; v. 242; p. 289.
- Summeril, Frank H., Los Angeles, Cal., assignor, by mesne assignments, to Keystone Vehicle Parts Company, Inc., New York, N. Y. Demountable wheel-rim. No. 1,234,820; July 31; v. 240; p. 1207.
- Summerour, Benjamin F., Gretna, La. Cotton-seed linter. No. 1,243,895; Oct. 23; v. 243; p. 871.
- Summers, Bertrand S., Port Huron, Mich. Retting. No. 1,235,738; Aug. 7; v. 241; p. 67.
- Summers, Bertrand S., Port Huron, Mich. Retting flax. No. 1,238,359; Aug. 28; v. 241; p. 1013.
- Summers, Edgar W., Pittsburgh, Pa. Journal-box. No. 1,215,743; Feb. 13; v. 235; p. 478.
- Summers, Edgar W., Pittsburgh, Pa. Ore-dock. No. 1,232,119; July 3; v. 240; p. 198.
- Summers, Frank B., Memphis, Mo. Telephonic relay. No. 1,213,298; Jan. 23; v. 234; p. 1110.
- Summers, Frank E., Memphis, Mo. Aeroplane. No. 1,230,620; June 19; v. 239; p. 838.
- Summers, Frank E., Memphis, Mo. Ornithopter. No. 1,235,856; Aug. 7; v. 241; p. 107.
- Summers, George L. (See Hicks and Summers.)
- Summers, Leland L., Chicago, Ill. Forming nitrogen compounds. No. 1,242,264; Oct. 9; v. 243; p. 293.
- Summers, Martin V., and H. T. Passmore, Kirbyville, Tex. Cotton-square-gathering device. No. 1,246,487; Nov. 13; v. 244; p. 433.
- Summers, Overn J., Memphis, Tenn. Reaming-tool. No. 1,249,240; Dec. 4; v. 245; p. 235.
- Summers, Raymond A., Reeds, Mo. Gate-operating mechanism. No. 1,238,844; Sept. 4; v. 242; p. 40.
- Summersgill, Richard, Kane, Pa. Window-glass apparatus. No. 1,220,906; Mar. 27; v. 236; p. 1153.
- Summersgill, Richard, Kane, Pa. Potato-harvester. No. 1,245,526; Nov. 6; v. 244; p. 116.
- Summerton, Clayton C. (See Summerton, George W. and C. C.)
- Summerton, George W. and C. C., Wabash, Ind. Flour-producer. No. 1,244,561; Oct. 30; v. 243; p. 1109.
- Sumner, Arthur D. (See Wilson and Sumner.)
- Sumner, Benjamin D., Tuscaloosa, Ala. Elevator. No. 1,223,007; Apr. 17; v. 237; p. 773.
- Sumner, William, assignor to Universal Engineering Company, Limited, Liverpool, England. Advertising apparatus. No. 1,224,232; May 1; v. 238; p. 41.
- Sumner, William, assignor to Universal Engineering Company, Limited, Liverpool, England. Cash-register. No. 1,246,178; Nov. 13; v. 244; p. 339.
- Sun-Ray Mfg. Co., The. (See Bloomer, Harvey E., assignor.)
- Sunbeam Motor Car Company. (See Coatalen, Louis, assignor.)
- Sunbury Mfg. Co., The. (See Perfect, Charles A., assignor.)
- Sunday, Samuel W., Topeka, Kans. Dust-separator for street-sweepers. No. 1,223,215; Apr. 17; v. 237; p. 845.
- Sundback, Gideon, Meadville, Pa., assignor to Hookless Fastener Company. Separable fastener. No. 1,219,881; Mar. 20; v. 236; p. 760.
- Sundback, Gideon, Meadville, Pa., assignor to Hookless Fastener Company. Separable fastener. No. 1,243,458; Oct. 16; v. 243; p. 700.
- Sundback, Gideon, Jersey City, N. J., assignor, by mesne assignments, to Hookless Fastener Company, Meadville, Pa. Separable fastener. No. 1,236,783; Aug. 14; v. 241; p. 438.
- Sundback, Gideon, assignor, by mesne assignments, to Hookless Fastener Company, Meadville, Pa. Separable fastener. No. 1,236,784; Aug. 14; v. 241; p. 439.
- Sundeen, Erick O., assignor of one-half to J. H. Brazeau, Spokane, Wash. Foldable brush. No. 1,231,093; June 26; v. 239; p. 1036.
- Sundell, Arvid G., Columbus, Ohio, and J. E. Markko, Washington, D. C. Faucet. No. 1,224,808; May 1; v. 238; p. 245.
- Sunderland, Charles C., Trenton, N. J., assignor to John A. Roebling's Sons Company. Wire-rope sling and the like. No. 1,222,048; Apr. 10; v. 237; p. 397.
- Sunderland, Charles C., Trenton, N. J., assignor to John A. Roebling's Sons Company. Rope-thimble. No. 1,244,658; Oct. 30; v. 243; p. 1137.
- Sunderland, Charles C., Trenton, N. J., assignor to John A. Roebling's Sons Company. Wire-cord coupling. No. 1,247,174; Nov. 20; v. 244; p. 670.
- Sunderland, Charles C., Trenton, N. J., assignor to John A. Roebling's Sons Company. Coupling. No. 1,249,241; Dec. 4; v. 245; p. 236.
- Sunderland, Charles C., Trenton, N. J., assignor to John A. Roebling's Sons Company. Rope-socket. No. 1,250,525; Dec. 18; v. 245; p. 680.
- Sunderland, Charles C., and R. D. Green, Trenton, N. J., assignors to John A. Roebling's Sons Company. Hoisting and similar sling. No. 1,218,714; Mar. 13; v. 236; p. 324.
- Sundh, August. (See Sproul, John J., assignor.)
- Sundh, August, Hastings-upon-Hudson, N. Y. Gate and hinge. No. 1,218,715; Mar. 13; v. 236; p. 324.
- Sundh, August, Hastings-upon-Hudson, N. Y. Automatic blocking mechanism for strip-mills. No. 1,230,941; June 26; v. 239; p. 982.
- Sundh, August, Hastings-upon-Hudson, N. Y. Illuminating device. No. 1,230,942; June 26; v. 239; p. 982.

- Sundh, August, Hastings-upon-Hudson, N. Y. Portable light. No. 1,230,943; June 26; v. 239; p. 983.
- Sundh, August, Hastings-upon-Hudson, N. Y. Blocking mechanism for strip-mills. No. 1,230,944; June 26; v. 239; p. 983.
- Sundh, August, Hastings-upon-Hudson, N. Y. Automatic blocking mechanism for strip-mills. No. 1,230,945; June 26; v. 239; p. 984.
- Sundh, August, Hastings-upon-Hudson, N. Y. Automatic blocking mechanism for strip-mills. No. 1,237,575; Aug. 21; v. 241; p. 728.
- Sundh, August, Hastings-upon-Hudson, N. Y. Gate-hinge. No. 1,237,836; Aug. 21; v. 241; p. 811.
- Sundh, August, Hastings-upon-Hudson, N. Y. Gate-post structure. No. 1,237,837; Aug. 21; v. 241; p. 811.
- Sundh, August, Hastings-upon-Hudson, N. Y., assignor to Otis Elevator Company. Fluid motor or pump. No. 1,221,921; Apr. 10; v. 237; p. 353.
- Sundh, August, Hastings-upon-Hudson, N. Y., assignor to Otis Elevator Company. Power-transmitting mechanism. No. 1,228,145; May 29; v. 238; p. 1532.
- Sundh, August, Hastings-upon-Hudson, N. Y., assignor to Otis Elevator Company. Pump. No. 1,239,059; Sept. 4; v. 242; p. 108.
- Sundh, August, Hastings-upon-Hudson, N. Y., assignor to Otis Elevator Company. Variable-stroke pump. No. 1,239,060; Sept. 4; v. 242; p. 109.
- Sundh Electric Company. (See Wells, Chalmers P., assignor.)
- Sundholm, Gunnar T., Garrison, N. Y. Lawn-trimmer. No. 1,238,595; Aug. 28; v. 241; p. 1090.
- Sundin, John P., Salem, Oreg. Clothes-drainer. No. 1,238,954; Sept. 4; v. 242; p. 75.
- Sundquist, Olof, Pueblo, Colo. Touring accessory for automobiles. No. 1,241,449; Sept. 25; v. 242; p. 957.
- Sundstrand, Gustaf D., assignor to Rockford Tool Company, Rockford, Ill. Bevel-gear generator. No. 1,244,659; Oct. 30; v. 243; p. 1188.
- Sunnergren, Arvid P., assignor to American Auto Lock Company, Pittsburgh, Pa. Switch-lock. No. 1,248,572; Dec. 4; v. 245; p. 43.
- Sunshine, Monroe, New York, N. Y. Sad-iron. No. 1,238,955; Sept. 4; v. 242; p. 75.
- Suomy, John H., Nasel, Wash. Wrench. No. 1,237,122; Aug. 14; v. 241; p. 547.
- Super, Frank J. (See Johnson and Super.)
- Super Gas Producer Sales Co., The. (See Riegel and Horning, assignors.)
- Superior Ladder Company, The. (See Myers, Israel, assignor.)
- Superior Metal Products Company, The. (See Johnson, Harry A., assignor.)
- Superior Products Company. (See Lille, Clarence, assignor.)
- Superior Register Company. (See Moineett, Frank, assignor.)
- Superior Seating Company. (See Soper, Raymond H., assignor.)
- Superior Type Company, The. (See Willard, Maurice L., assignor.)
- Supernaw, William E., Elgin, Ill. (Settling-tank valve. No. 1,235,079; July 31; v. 240; p. 1289.)
- Supplee, Henry H., assignor, by mesne assignments, to J. T. Pratt, New York, N. Y. Slide-valve for internal-combustion engines. No. 1,234,411; July 24; v. 240; p. 1048.
- Supplee, Henry H., New York, N. Y. Internal-combustion engine. No. 1,237,576; Aug. 21; v. 241; p. 728.
- Supplee, Samuel G., New York, N. Y. Dental impression device. No. 1,234,958; July 31; v. 240; p. 1253.
- Supremus Manufacturing Company. (See Robins, Thomas, assignor.)
- Surbaugh, John S., Vincennes, Ind. Shovel and scoop. No. 1,212,582; Jan. 16; v. 234; p. 827.
- Surbaugh, John S., Vincennes, Ind. Shovel, scoop, &c. No. 1,247,032; Nov. 20; v. 244; p. 628.
- Surber, Clark W., Chicago, Ill. Tent. No. 1,238,360; Aug. 28; v. 241; p. 1014.
- Surbrug Chocolate Corporation. (See Schwieterman, Clem J., assignor.)
- Suren, Nathan H., Needham, Mass., assignor to Gamwell Fire Alarm Telegraph Company, New York, N. Y. Signaling system for sprinkler systems. No. 1,224,099; Apr. 24; v. 237; p. 1183.
- Suren, Nathan H., Needham, Mass., assignor to Gamewell Fire Alarm Telegraph Company, New York, N. Y. Electric signal system. No. 1,248,749; Dec. 4; v. 245; p. 95.
- Surface Combustion Company, The. (See Richardson, Eddison, and Read.)
- Surface Grip Corporation. (See Roth and James, assignors.)
- Surface, William E., assignor to Farles Manufacturing Co., Decatur, Ill. Bowl-support. No. 1,239,842; Sept. 11; v. 242; p. 387.
- Surface, William E., assignor to Farles Manufacturing Co., Decatur, Ill. Candle-tube support. No. 1,239,843; Sept. 11; v. 242; p. 388.
- Surles, Robert E., Cuthbert, Ga. Lumber-stacker. No. 1,225,523; May 8; v. 238; p. 538.
- Suserud, Haakon, Montreal, Quebec, Canada. Flash-light carrier. No. 1,245,817; Nov. 6; v. 244; p. 205.
- Suss, Sander, New York, N. Y. Resilient tire. No. 1,229,166; June 5; v. 239; p. 265.
- Sussman, Cornelia M., Long Branch, N. J. Shirt-cuff. No. 1,239,137; Sept. 4; v. 242; p. 135.
- Sutcliffe, Edgar R., Leigh, England. Treating burnt pyrites and the like. No. 1,245,634; Nov. 6; v. 244; p. 150.
- Suter, A. M. (See Easton, Frank S., assignor.)
- Suter, Aaron E., Harrisonburg, Va. Elevator. No. 1,236,230; Aug. 7; v. 241; p. 227.
- Suter, Cyrus M., Franklin Grove, Ill. Cistern-cleaning device. No. 1,211,785; Jan. 9; v. 234; p. 515.
- Suthann, Harry, Middletown, Ohio. Ingot-mold. No. 1,243,779; Oct. 23; v. 243; p. 834.
- Sutherland, Alexander K., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Knife-blade switch. No. 1,216,513; Feb. 20; v. 235; p. 805.
- Sutherland, Alexander K., New Britain, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Safety-switch. No. 1,224,119; Apr. 24; v. 237; p. 1190.
- Sutherland, Alexander K., New Britain, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Switch. No. 1,226,404; May 15; v. 238; p. 832.
- Sutherland, Alexander K., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Safety-switch. No. 1,229,186; June 5; v. 239; p. 272.
- Sutherland, Alexander K., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Starting-switch. No. 1,229,670; June 12; v. 239; p. 486.
- Sutherland, Alexander K., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Push-button switch. No. 1,234,412; July 24; v. 240; p. 1048.
- Sutherland, William A. (See Daniel, John W., assignor.)
- Sutherland, Joseph W. (See Crisler, Horace, assignor.)
- Sutter, John R., Kansas City, Mo. Money-transmitting envelop. No. 1,220,796; Mar. 27; v. 236; p. 1116.
- Sutter, Louis E., Jr., Beaver Falls, Pa. Indicating device. No. 1,232,120; July 3; v. 240; p. 198.
- Sutterfield, Fred E., Flat River, Mo. Shell. No. 1,243,641; Oct. 16; v. 243; p. 756.
- Suttle, Francis M., et al., trustees. (See Suttle, Herbert A., assignor.)
- Suttle, Herbert A., assignor to H. A. Suttle, C. M. Baldwin, and F. M. Suttle, trustees, Chicago, Ill. Fender. No. 1,251,441; Dec. 25; v. 245; p. 1001.
- Suttle, Luella K., Los Angeles, Cal. Table crumb-sweeper. No. 1,236,122; Aug. 7; v. 241; p. 190.
- Sutton, Arthur D., Pittsburgh, Pa. Gas-burner. No. 1,247,740; Nov. 27; v. 244; p. 866.
- Sutton, Aspinwall & Company. (See Beckwith, Raymond A., assignor.)
- Sutton, Eli R., et al. (See Bjorkman, Alfred, assignor.)
- Sutton, Emery E., and J. W. Baker, Jr., Sikeston, Mo. Baling-press. No. 1,221,625; Apr. 3; v. 237; p. 217.
- Sutton, Eugene S., Leavenworth, Wash. Fruit-box press. No. 1,237,971; Aug. 21; v. 241; p. 854.
- Sutton, George V., Keota, Colo. Hinge. No. 1,224,036; Apr. 24; v. 237; p. 1162.
- Sutton, Gilbert, Neodesha, Kans. Thread-protector for well-casings. No. 1,231,450; June 26; v. 239; p. 1154.
- Sutton, John W., Oakhill, and M. Meade, Longford, Kans. Friction transmission-gear. No. 1,225,371; May 8; v. 238; p. 489.
- Sutton, Margaret M. (See Harris, Mary J., assignor.)
- Sutzy, Albert B., Stephensburg, Ky. Vehicle-spring. No. 1,236,785; Aug. 14; v. 241; p. 439.
- Suwa, Michisuye, Tokyo, Japan. Electric bell. No. 1,222,159; Apr. 10; v. 237; p. 436.
- Suydam, Cornelius, Brooklyn, N. Y. Snow and ice remover. No. 1,241,779; Oct. 2; v. 243; p. 98.
- Suyehiro, Kunisuke, Salt Lake City, Utah. Gift-coupon. No. 1,250,706; Dec. 18; v. 245; p. 734.
- Suzuki, Sugaji, Ogden, Utah. Ship-floating device. No. 1,233,141; July 10; v. 240; p. 562.
- Suzuki, Zenshiro, Los Angeles, Cal. Shoe-fastening. No. 1,230,538; June 19; v. 239; p. 810.
- Suzuki, Zenshiro, Los Angeles, Cal. Production of a dye-stuff. No. 1,244,795; Oct. 30; v. 243; p. 1179.
- Suzuki, Zenshiro, Los Angeles, Cal. Production of a dye-stuff. No. 1,244,796; Oct. 30; v. 243; p. 1179.
- Svalina, Alexander, Cleveland, Ohio. Combination-weapon. No. 1,242,265; Oct. 9; v. 243; p. 293.
- Svanson, Sarah. (See Flint, Charles, assignor.)
- Svaren, John T., Fayette, N. D. Milk-strainer support. No. 1,241,573; Oct. 2; v. 243; p. 34.
- Sved, Alexander, New York, N. Y. Attachment to dental engines. No. 1,216,375; Feb. 20; v. 235; p. 756.
- Svensen, Christian W., Matawan, N. J. Holder for tiles. No. 1,230,442; June 19; v. 239; p. 777.
- Svensen, Severin B., Espanola, Fla. Wedder. No. 1,239,316; Sept. 4; v. 242; p. 191.
- Svensen, Svend E., Seattle, Wash. Water-filter. No. 1,237,577; Aug. 21; v. 241; p. 729.
- Svenska Diamantherborringsaktiebolaget. (See Carlson and Bergstrom, assignors.)
- Svenson, Albert, Englewood, N. J. Comb-cleaner. No. 1,222,484; Apr. 10; v. 237; p. 552.
- Svenson, Charles W., assignor to The American Hardware Corporation, New Britain, Conn. Coaster-brake. No. 1,218,226; Mar. 6; v. 236; p. 118.

Alphabetical list of patentees—Continued.

- Svenson, John A., assignor of one-half to J. J. Shuman, Pittsburgh, Pa. Charging or measuring device. No. 1,222,160; Apr. 10; v. 237; p. 436.
- Svenson, John A., assignor of one-half to J. J. Shuman, Pittsburgh, Pa. Mixing-machine. No. 1,239,537; Sept. 11; v. 242; p. 289.
- Swabb, George L., assignor to Heisler Locomotive Works, Erie, Pa. Locomotive. No. 1,220,570; Mar. 27; v. 236; p. 1041.
- Swafford, Levi W., assignor of one-fourth to L. Brown, one-fourth to H. Brown, and one-fourth to S. J. Ellis, Memphis, Tenn. Back-band buckle, &c. No. 1,233,932; July 17; v. 240; p. 856.
- Swager, Benjamin, Saunemin, Ill. Vaporizing apparatus for internal-combustion engines. No. 1,250,382; Dec. 18; v. 245; p. 638.
- Swahledt, Charles A., St. Louis, Mo. Universal tool-holder. No. 1,248,201; Nov. 27; v. 244; p. 996.
- Swaidmark, Albin P., Orlando, Fla. Hose-clamp. No. 1,219,882; Mar. 20; v. 236; p. 761.
- Swaim, Arvel E., Kansas City, Mo. Controlling device. No. 1,234,413; July 24; v. 240; p. 1048.
- Swaim, Arvel E., Kansas City, Mo. Controlling device. No. 1,234,414; July 24; v. 240; p. 1049.
- Swaim, Claude R., Muncie, Ind., assignor to O. H. McDowell, Steubenville, Ohio. Door-holder device. No. 1,225,285; May 8; v. 238; p. 457.
- Swain, Alice C., La Jolla, Cal. Lamp-support. No. 1,223,637; Apr. 24; v. 237; p. 1024.
- Swain, Roy M., Princeton, Ind. Automatic dirigible light. No. 1,227,088; May 22; v. 238; p. 1150.
- Swain, William H., Nashville, Tenn. Carbureter. No. 1,230,621; June 19; v. 239; p. 838.
- Swainson, John, Angusville, Manitoba, Canada. Harrow attachment for gang-plows. No. 1,213,553; Jan. 23; v. 234; p. 1199.
- Swallow, Stuart H., assignor to W. H. Coe Manufacturing Company, Providence, R. I. Metallic-leaf-applying device. No. 1,231,094; June 26; v. 239; p. 1036.
- Swalm, William E. (See Brintnall and Swalm.)
- Swan, A. F., et al. (See Lange, John, Jr., assignor.)
- Swan, Ervin D. (See Dickinson and Swan.)
- Swan, Ervin D., Glen Ridge, N. J., assignor to Lidgerwood Manufacturing Company, New York, N. Y. Cableway. No. 1,226,405; May 15; v. 238; p. 882.
- Swan, Eugene R., Billings, Mont. Power-transmitting mechanism. No. 1,225,075; May 8; v. 238; p. 387.
- Swan, John B., Gladstone, Mich. Adjustable wedge. No. 1,239,538; Sept. 11; v. 242; p. 289.
- Swan, John H., assignor to Klipfel Manufacturing Company, Chicago, Ill. Valve-operating mechanism. No. 1,225,887; May 15; v. 238; p. 704.
- Swan, Oliver C., assignor to The Swan Process Oil Company, Denver, Colo. Process and apparatus for treating oils. No. 1,250,526; Dec. 18; v. 245; p. 681.
- Swan, Oliver C., Denver, Colo., assignor to The Swan Process Oil Company. Process and apparatus for treating oils. No. 1,250,527; Dec. 18; v. 245; p. 681.
- Swan Process Oil Company, The. (See Swan, Oliver C., assignor.)
- Swan, Walter W., Portland, Oreg. Motor-vehicle. No. 1,244,001; Oct. 23; v. 243; p. 901.
- Swanagan, Harold A., Terre Haute, Ind. Curtain and shade fixture. No. 1,247,897; Nov. 27; v. 244; p. 912.
- Swanberg, Arthur W., Minneapolis, Minn., assignor of one-half to F. C. Fisk, Williamsville, N. Y. Liquid-fuel composition and making the same. No. 1,225,405; May 8; v. 238; p. 501.
- Swancutt, Spencer E., Stevens Point, Wis. Electric sign. No. 1,224,037; Apr. 24; v. 237; p. 1162.
- Swanke, Herman J., Dodson, Mont. Draft-tree. No. 1,219,883; Mar. 20; v. 236; p. 761.
- Swanson, Carl W., Chicago, Ill. Gearing for washing-machines. No. 1,247,175; Nov. 20; v. 244; p. 670.
- Swanson, Carl W., Chicago, Ill. Washing-machine. No. 1,250,528; Dec. 18; v. 245; p. 682.
- Swanson, Charles A., Chicago, Ill. Buckle. No. 1,218,334; Mar. 6; v. 236; p. 156.
- Swanson, Charles A., Los Angeles, Cal. Stuffing-box for oil-well pumps. No. 1,245,286; Nov. 6; v. 244; p. 43.
- Swanson, Charles N. (See Havens and Swanson.)
- Swanson, Christina, assignor to J. Kopf, Portland, Oreg. Hat-fastener. No. 1,223,008; Apr. 17; v. 237; p. 774.
- Swanson, Elwin, Jamestown, N. Y. Window-screen. No. 1,218,127; Mar. 6; v. 236; p. 84.
- Swanson, Frank A. (See Carlson and Swanson.)
- Swanson, Frank H., assignor to A. J. Nyström & Co., Chicago, Ill. Map-case. No. 1,234,415; July 24; v. 240; p. 1049.
- Swanson, Gust O., Leadore, Idaho. Sled-runner attachment for vehicle-wheels. No. 1,218,128; Mar. 6; v. 236; p. 84.
- Swanson, John A., Minneapolis, Minn. Bottle-holder. No. 1,222,486; Apr. 10; v. 237; p. 552.
- Swanson, Matt F., Streator, Ill. Fire-box for kilns. No. 1,246,179; Nov. 13; v. 244; p. 339.
- Swanson, Olof, Denver, Colo. Lubricator. No. 1,229,822; June 12; v. 239; p. 537.
- Swanson, Samuel, et al. (See Aze, Emile, assignor.)
- Swanson, Selviour A., North Tonawanda, N. Y. Tracker mechanism for pneumatic or player pianos. No. 1,242,266; Oct. 9; v. 243; p. 293.
- Swanson, Starley S., Bellevue, Ohio. Rotary weeder and cultivator. No. 1,224,975; May 8; v. 238; p. 353.
- Swanson, Swan A., Waterbury, Conn. Screw-feed. No. 1,250,047; Dec. 11; v. 245; p. 498.
- Swanson, Wilbur C., San Diego, Cal. Watch-stand. No. 1,223,638; Apr. 24; v. 237; p. 1025.
- Swanstrom, John M., Chicago, Ill. Pneumatic pump. No. 1,213,707; Jan. 23; v. 234; p. 1250.
- Swarner, Charles H., Wayne, Neb. Apparatus for transferring grain. No. 1,213,971; Jan. 30; v. 234; p. 1371.
- Swart, John A., Duluth, Minn. Friction speed regulator or governor. No. 1,237,409; Aug. 21; v. 241; p. 676.
- Swart, Walter G. (See Jordan, Fred A., assignor.)
- Swartzel, Durbin A., Cincinnati, Ohio. Gate. No. 1,223,639; Apr. 24; v. 237; p. 1025.
- Swartsfager, Roy H., Drumright, Okla. Rod-coupling. No. 1,233,933; July 17; v. 240; p. 856.
- Swartwood, Charles H., Everett, Mass. Puzzle. No. 1,218,014; Mar. 6; v. 236; p. 44.
- Swartwood, Peter J., Mountaintop, Pa. Game apparatus. No. 1,221,244; Apr. 3; v. 237; p. 86.
- Swartwout, Denton K., assignor to The Ohio Blower Company, Cleveland, Ohio. Ventilating system for tunnels and the like. No. 1,222,569; Apr. 10; v. 237; p. 533.
- Swartz, Charles B., Bradford, Pa. Display-cabinet. No. 1,241,164; Sept. 25; v. 242; p. 867.
- Swartz Electric Co. (See Snyder, George W., assignor.)
- Swartz, George A., Pearl River, N. Y. Shaft-coupling. No. 1,225,524; May 8; v. 238; p. 539.
- Swartz, George E., York, Pa. Document-holder. No. 1,247,033; Nov. 20; v. 244; p. 629.
- Swartz, James, Thompson Falls, Mont. Vegetative device. No. 1,217,239; Feb. 27; v. 235; p. 1097.
- Swartz, John L., Akron, Ohio. Non-skid tire. No. 1,215,216; Feb. 6; v. 235; p. 256.
- Swartz, John L., Akron, Ohio. Cushion-tire and making the same. No. 1,237,227; Aug. 14; v. 241; p. 577.
- Swartz, John L., Akron, Ohio. Tread-applying machine. No. 1,246,488; Nov. 13; v. 244; p. 433.
- Swartz, William J. (See Waugh and Swartz.)
- Swartz, William J., and E. H. Waugh, assignors to Automatic Candy Machine Company, Seattle, Wash. Coating-machine. No. 1,229,671; June 12; v. 239; p. 487.
- Swartz, William J., and E. H. Waugh, Seattle, Wash., assignors to Automatic Candy Machine Company. Stacker for confections. No. 1,241,165; Sept. 25; v. 242; p. 868.
- Swartzbaugh, Warren. (See Loomis, Maynard and P. M., assignors.)
- Swartzman, Abram, Sioux City, Iowa. Toilet-ventilator. No. 1,247,176; Nov. 20; v. 244; p. 671.
- Swayze, Augustus A. (See Neal, John W., assignor.)
- Swayzee, Alba G. (See Lewis, Homer M., assignor.)
- Swearingen, William M., Shepherdsville, Ky. Insecticide-distributor. No. 1,237,123; Aug. 14; v. 241; p. 547.
- Sweat, David W., Waycross, Ga. Plow-beam attachment. No. 1,211,894; Jan. 9; v. 234; p. 556.
- Swedberg, August, Kingston, Pa. Spring-wheel. No. 1,247,177; Nov. 20; v. 244; p. 671.
- Swedberg, August, Kingston, assignor to Swedberg Mfg. Co., Wilkes-Barre, Pa. Window-screen. No. 1,242,072; Oct. 2; v. 243; p. 191.
- Swedberg Mfg. Co. (See Swedberg, August, assignor.)
- Swedberg, Peter O., assignor of one-half to S. H. Reilly, Marshalltown, Iowa. Automobile-signal device. No. 1,240,899; Sept. 25; v. 242; p. 786.
- Swedenburg, Francis G., et al. (See Dunn, William F., assignor.)
- Swedlund, Erick J., Williston, N. D. Clasp. No. 1,232,733; July 10; v. 240; p. 430.
- Sweeney, Andrew J. (See Carrigan and Sweeney.)
- Sweeney, Daniel B., Bayonne, N. J. Continuous filter-press. No. 1,212,844; Jan. 16; v. 234; p. 918.
- Sweeney, George F., deceased; M. Sweeney administratrix, Boston, Mass. Life-raft. No. 1,226,274; May 15; v. 238; p. 841.
- Sweeney, Henry and W. G., Fall River, Mass. Target. No. 1,220,022; Mar. 20; v. 236; p. 808.
- Sweeney, John F. (See Hyle, Jacob A., assignor.)
- Sweeney, Margaret, administratrix. (See Sweeney, George F.)
- Sweeney, Morgan L., assignor to Western Pipe and Steel Company of California, Los Angeles, Cal. Pipe or well-casing. No. 1,240,098; Sept. 11; v. 242; p. 464.
- Sweeney, Ulisses G., Cutler, Cal. Holdfast-nail. No. 1,247,178; Nov. 20; v. 244; p. 671.
- Sweeney, Walter G. (See Sweeney, Henry and W. G.)
- Sweers, Riley, Toledo, Ohio. Dish and holder for ice-cream. No. 1,234,507; July 24; v. 240; p. 1078.
- Sweet, Allen H., assignor to Sweet Power Transmission Company, St. Louis, Mo. Clutch. No. 1,242,389; Oct. 9; v. 243; p. 332.
- Sweet, Alvin H., San Diego, Cal. Sectional toy animal. No. 1,239,982; Sept. 11; v. 242; p. 431.
- Sweet, Archer D., Scranton, Pa. Shears attachment. No. 1,223,640; Apr. 24; v. 237; p. 1025.
- Sweet, Arthur J., Wauwatosa, Wis. Street-lantern. No. 1,233,617; July 17; v. 240; p. 756.
- Sweet, Burton W., assignor, by mesne assignments, to The Van Dorn Electric Tool Company, Cleveland, Ohio. Automatic electric controller. No. 1,223,530; Apr. 24; v. 237; p. 987.

- Sweet, Burton W., and F. Schneider, assignors to The Van Dorn Electric Tool Company, Cleveland, Ohio. Electromagnetic switch. No. 1,238,719; Aug. 28; v. 241; p. 1126.
- Sweet, Charles S., Jr., Chicago, Ill. Ticket. No. 1,234,232; July 24; v. 240; p. 988.
- Sweet, Frederick D., assignor to The Sweet-Webster Manufacturing Company, Cleveland, Ohio. Sewing-machine attachment. No. 1,240,384; Sept. 18; v. 242; p. 593.
- Sweet, Henry N. (See Mackie, Alexander T., assignor.)
- Sweet, Howard M., Detroit, Mich., assignor, by mesne assignments, to A. T. Harrow Tractor Company. Power-plow. No. 1,230,339; June 19; v. 239; p. 743.
- Sweet, Howard M., Detroit, Mich., assignor, by mesne assignments, to A. T. Harrow Tractor Company. Tractor. No. 1,230,340; June 19; v. 239; p. 744.
- Sweet, Lisle W. (See Tubbs and Sweet.)
- Sweet, Oliver T., St. Louis, Mo. Outlet-box and support therefor. No. 1,225,525; May 8; v. 238; p. 539.
- Sweet Power Transmission Company. (See Sweet, Allen H., assignor.)
- Sweet-Webster Manufacturing Company, The. (See Sweet, Frederick D., assignor.)
- Sweet, Welcome F., assignor to The Richmond Adding and Listing Machine Company, Richmond, Ind. Adding and listing machine. No. 1,245,635; Nov. 6; v. 244; p. 150.
- Sweetland, Ernest J., Montclair, N. J. Packing and the like. No. 1,225,286; May 8; v. 238; p. 458.
- Sweetland, Ernest J., Montclair, N. J. Filter. No. 1,240,385; Sept. 18; v. 242; p. 594.
- Sweetland, Ernest J., Montclair, N. J., assignor, by mesne assignments, to United Filters Corporation. Hinge. No. 1,237,838; Aug. 21; v. 241; p. 812.
- Sweetnam, Robert W., Toledo, Ohio. Apparatus for making dental restorations. No. 1,235,857; Aug. 7; v. 241; p. 107.
- Sweetnam, Robert W., Toledo, Ohio. Forming dental restoration. No. 1,244,257; Oct. 23; v. 243; p. 978.
- Sweetzer, Daniel J., Auckland, New Zealand. Valve for internal-combustion engines. No. 1,249,689; Dec. 11; v. 245; p. 395.
- Sweigard, Emanuel W., Chicago, Ill. Printing-frame. No. 1,234,416; July 24; v. 240; p. 1050.
- Swem, Lawrence W., assignor to E. L. Webb & Co., West Liberty, Iowa. Hydrocarbon-burner. No. 1,216,248; Feb. 13; v. 235; p. 660.
- Swene, Helene L., Boston, Mass. Portière-holder. No. 1,229,672; June 12; v. 239; p. 487.
- Swene, Helene L., Boston, Mass. Portière-hook. No. 1,236,888; Aug. 14; v. 241; p. 470.
- Swene, Helene L., Boston, Mass. Portière-holder. No. 1,238,214; Aug. 28; v. 241; p. 965.
- Swene, John A., assignor to L. B. Swene, Albuquerque, N. Mex. Air-fan. No. 1,242,116; Oct. 2; v. 243; p. 206.
- Swene, Lydia B. (See Swene, John A., assignor.)
- Swengel, William W., Bloomsburg, Pa. Rotary drier. No. 1,240,386; Sept. 18; v. 242; p. 594.
- Swensen, Alfred, Cicero, assignor to The Cable Company, Chicago, Ill. Automatic musical instrument. No. 1,231,809; July 3; v. 240; p. 93.
- Swenson, Burton C. (See Krupp, Fred H., assignor.)
- Swenson, Carl G., Indianapolis, Ind. Making pressed-steel nuts. No. 1,228,260; May 29; v. 238; p. 1568.
- Swenson, Carl G., assignor to The Oakes Company, Indianapolis, Ind. Making ball-bearing cones. No. 1,228,352; May 29; v. 238; p. 1600.
- Swenson, Carl G., assignor to The Oakes Company, Indianapolis, Ind. Oil-tight bearing. No. 1,231,218; June 26; v. 239; p. 1077.
- Swenson, Carl G., assignor to The Oakes Company, Indianapolis, Ind. Noiseless fan. No. 1,241,166; Sept. 25; v. 242; p. 868.
- Swenson, Carl O. (See Richer and Swenson.)
- Swenson, Carl W., Providence, assignor to A. C. Messier, Pawtucket, R. I. Heading-machine. No. 1,243,003; Oct. 16; v. 243; p. 563.
- Swenson, Otto J., assignor of one-half to H. E. Beam, Los Angeles, Cal. Massaging device. No. 1,239,539; Sept. 11; v. 242; p. 290.
- Swett, Caswell D., Redwood City, Cal. Emergency-stop for electrically-driven apparatus. No. 1,250,708; Dec. 18; v. 245; p. 735.
- Swetznoff, Solomon, Boston, Mass. Mold. No. 1,245,636; Nov. 6; v. 244; p. 150.
- Swift and Company. (See Richardson, William D., assignor.)
- Swift, Eugene D., Chicago, Ill. Tie-plate. No. 1,247,898; Nov. 27; v. 244; p. 912.
- Swift, George W., Jr., Bordentown, N. J. Making open-face envelopes. No. 1,227,017; May 22; v. 238; p. 1125.
- Swift, George W., Jr., Bordentown, N. J. Open-face envelop. No. 1,228,146; May 29; v. 238; p. 1532.
- Swift, Robert W., assignor to The Peerless Electric Company, Warren, Ohio. Alternating-current synchronous motor. No. 1,226,406; May 15; v. 238; p. 882.
- Swift, Theodore T., et al. (See Kirby, Francis L., assignor.)
- Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Paper drinking-cup. No. 1,224,809; May 1; v. 238; p. 246.
- Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Mechanism for producing a transparent panel in paper and the like. No. 1,232,121; July 3; v. 240; p. 199.
- Swift, William E., Waverly, Ill. Incubator. No. 1,232,868; July 10; v. 240; p. 474.
- Swift, William L. (See Meier and Swift.)
- Swigart, William H., Lucas, Ohio. Spring-wheel. No. 1,231,965; July 3; v. 240; p. 143.
- Swhart, John H., Beaver Falls, Pa. Gas-heater. No. 1,222,487; Apr. 10; v. 237; p. 552.
- Swimmer, Robert, New York, N. Y. Sanitary curtainless soap and water spray. No. 1,220,704; Mar. 27; v. 236; p. 1085.
- Swimmer, Robert, New York, N. Y. Soap-receptacle bath-spray. No. 1,248,573; Dec. 4; v. 245; p. 43.
- Swinbank, John J. (See Wurts and Swinbank.)
- Swindell, Walter B., Raleigh, N. C. Game apparatus. No. 1,251,442; Dec. 25; v. 245; p. 1001.
- Swinehart, James A., St. Louis, Mo. Rubber tire. No. 1,234,821; July 31; v. 240; p. 1208.
- Swinford, Stanley, Hinton, Ky. Seed-planter. No. 1,219,361; Mar. 13; v. 236; p. 548.
- Swingle, Charles M., Cleveland, Ohio. Electrotherapeutic rejuvenator. No. 1,216,183; Feb. 13; v. 235; p. 637.
- Swingle, Oscar A., and T. J. Mangan, assignors to The Wilkinson Manufacturing Co., Binghamton, N. Y. Child's vehicle. No. 1,223,009; Apr. 17; v. 237; p. 774.
- Swinglehurst, Harry. (See Scott and Swinglehurst.)
- Swinglehurst, Harry, Roxbury, Mass., assignor to Scott & Williams, Incorporated, Camden, N. J. Cam mechanism for knitting-machines. No. 1,218,385; Mar. 6; v. 236; p. 156.
- Swinglehurst, Harry, Boston, Mass., assignor, by mesne assignments, to Scott & Williams, Incorporated. Needle-leveling device for circular-knitting machines. No. 1,234,417; July 24; v. 240; p. 1050.
- Swink, Charles B., assignor, by mesne assignments, to The Delphos Printing Press Company, Delphos, Ohio. Printing-press. No. 1,231,668; July 3; v. 240; p. 44.
- Switzer, Judson, Portland, Oreg. Gage. No. 1,223,531; Apr. 24; v. 237; p. 987.
- Switzer, Oscar S., Chicago, Ill. Display-receptacle. No. 1,224,233; May 1; v. 238; p. 42.
- Swoboda, Alois P., New York, N. Y. Projectile. No. 1,231,451; June 26; v. 239; p. 1155.
- Swoboda, Charles. (See Bell and Swoboda.)
- Swofford, Peter J., Wellington, Kans. Garment-hanger. No. 1,218,490; Mar. 6; v. 236; p. 207.
- Swonger, James M., Mansfield, Ohio. Digging apparatus. No. 1,237,578; Aug. 21; v. 241; p. 729.
- Swope, Hiram W., Sedalia, Mo. Resilient wheel. No. 1,250,529; Dec. 18; v. 245; p. 682.
- Sword, Ora M., St. Maries, Idaho. Clothes-hanger. No. 1,231,452; June 26; v. 239; p. 1155.
- Swortfeger, George F., East Orange, N. J. Thimble for cable connections. No. 1,243,459; Oct. 16; v. 243; p. 700.
- Swyers, Brice P., assignor to Motors Lock Company of America, Pittsburgh, Pa. Safety device for starting mechanisms. No. 1,242,267; Oct. 9; v. 243; p. 293.
- Swyers, Brice P., assignor to Motors Lock Company of America, Pittsburgh, Pa. Lock-switch. No. 1,244,660; Oct. 30; v. 243; p. 1138.
- Sydenham, Claude S., Kilmarnock, Scotland. Ignition apparatus of gas-engines. No. 1,229,823; June 12; v. 239; p. 538.
- Sydney, Minatojo, Charlestown, Mass. Flying-machine. No. 1,250,530; Dec. 18; v. 245; p. 682.
- Sykes, Henry T., New London, Mo. Condiment-dredge. No. 1,246,489; Nov. 13; v. 244; p. 434.
- Sykes, Leonard, assignor to Dudlo Manufacturing Company, Fort Wayne, Ind. Electric-light regulator. No. 1,237,124; Aug. 14; v. 241; p. 547.
- Sykes, Wilfred, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Regulating apparatus for electric furnaces. No. 1,241,574; Oct. 2; v. 243; p. 35.
- Sykes, William W., Richmond, Va. Locomotive ash-pan. No. 1,213,708; Jan. 23; v. 234; p. 1251.
- Sylvester, Richard, assignor to E. I. du Pont de Nemours and Company, Wilmington, Del. Identification device. No. 1,224,038; Apr. 24; v. 237; p. 1162.
- Symes, Henry, Mornington, near Dunedin, New Zealand. Automatic recording fire-alarm. No. 1,219,189; Mar. 13; v. 236; p. 490.
- Symes, Henry, Mornington, near Dunedin, New Zealand. Variable-resistance, electromagnetic, drilling machinery. No. 1,219,190; Mar. 13; v. 236; p. 490.
- Symmons, Samuel J., Oakland, Cal. Dental pliers. No. 1,216,514; Feb. 20; v. 235; p. 805.
- Symons, Arthur H., assignor to Symons Clamp Co., Chicago, Ill. Spring-metal clip for uniting and supporting concrete-reinforcements. No. 1,213,919; Jan. 30; v. 234; p. 1353.
- Symonds, George P., assignor to Alberger Pump and Condenser Company, New York, N. Y. Split-spray nozzle. No. 1,234,959; July 31; v. 240; p. 1253.
- Symonds, Herbert W., St. Louis, Mo. Hot-air register. No. 1,233,523; July 17; v. 240; p. 724.
- Symons Clamp Co. (See Symons, Arthur H., assignor.)
- Symons, Edgar B., Milwaukee, Wis. Ring-roll mill. No. 1,217,525; Feb. 27; v. 235; p. 1199.

Alphabetical list of patentees—Continued.

- Symons, Edgar B., Winnetka, Ill. Screen. No. 1,222,903; Apr. 17; v. 237; p. 738.
- Symons, Edgar B., Chicago, Ill. Crushing-machine. No. 1,226,275; May 15; v. 238; p. 841.
- Symons, Edgar B., Winnetka, Ill. Scraper for rotating-crushing-machines. No. 1,249,852; Dec. 11; v. 245; p. 444.
- Symons, Robert R., Dodgeville, Wis. Penholder. No. 1,227,691; May 29; v. 238; p. 1378.
- Symons, Wilson E., New York, N. Y. Electric welding-tool. No. 1,240,900; Sept. 25; v. 242; p. 786.
- Symons, Wilson E., New York, N. Y. Electric welding-tool. No. 1,240,901; Sept. 25; v. 242; p. 787.
- Synck, Henry, assignor to New Idea Spreader Company, Coldwater, Ohio. Spreader attachment for fertilizer-distributors. No. 1,213,554; Jan. 23; v. 234; p. 1200.
- Synck, Henry, assignor to New Idea Spreader Co., Coldwater, Ohio. Spreader for fertilizer-distributors. No. 1,248,032; Nov. 27; v. 244; p. 948.
- Synck, Henry, and B. B. Rollman, assignors to New Idea Spreader Co., Coldwater, Ohio. Feeding mechanism. No. 1,218,491; Mar. 6; v. 236; p. 207.
- Synohubky, Semen, Myrnam, Alberta, Canada. Protective mask. No. 1,224,039; Apr. 24; v. 237; p. 1163.
- Synthetic Patents Co. (See Flachslaender and List, assignors.)
- Synthetic Patents Co. (See Heymann, Kothe, Dressel, and Ossenbeck, assignors.)
- Synthetic Patents Co. (See Hiemenz and Taub, assignors.)
- Synthetic Patents Co. (See Rietz, Erich, assignor.)
- Synthetic Patents Co. (See Thomaschewski, Paul, assignor.)
- Synthetic Patents Co. (See Weiler, Max, assignor.)
- Synthetic Patents Co. (See Zimmerman, Kurt, assignor.)
- Sypho-Chemical Sprinkler Corporation. (See Brodton, Edward R., assignor.)
- Sypho-Chemical Sprinkler Corporation. (See Hamilton, John R., assignor.)
- Sypho-Chemical Sprinkler Corporation. (See Thompson, Everett L., assignor.)
- Sypkens, Edward, Pingree, N. D. Device for removing stalled automobiles. No. 1,241,679; Oct. 2; v. 243; p. 68.
- Syracuse Chilled Plow Company. (See Lee, William H., assignor.)
- Syracuse Heater Company. (See Butters, Fredrick R., assignor.)
- Syracuse Twist Drill Company. (See Singer, Frank, assignor.)
- Syracuse Universal Mfg. Co. (See Carhart and Young, assignors.)
- Szczepaniak, Wladyslaw, *et al.* (See Pludowski, Aleksander, assignor.)
- Szeremeta, Peter, Hammond, Ind. Rail-joint. No. 1,220,023; Mar. 20; v. 236; p. 808.
- Szigethy, Stephen, New York, N. Y. Candelabrum. No. 1,241,575; Oct. 2; v. 243; p. 35.
- Sztari, Joseph, assignor of one-half to L. Bedécs, Reading, Pa. Removable shoe-heel. No. 1,234,508; July 24; v. 240; p. 1078.
- Sztornniewsky, Stanislaw. (See Grudoski and Sztornniewsky.)
- Szubski, Andrzej I., Cleveland, Ohio. Direction-indicator. No. 1,245,527; Nov. 6; v. 244; p. 117.
- Szubski, Andrzej II, Cleveland, Ohio. Safety hat-retainer. No. 1,231,219; June 26; v. 239; p. 1077.
- Szűcs, Stephan, Beloit, Wis. Heel for boots and shoes. No. 1,233,725; July 17; v. 240; p. 789.
- Szuhay, Joseph, New York, N. Y. Toilet article. No. 1,234,896; Oct. 23; v. 243; p. 871.
- Szymkowiak, Anton, San Francisco, Cal. Theater-chair. No. 1,213,920; Jan. 30; v. 234; p. 1354.
- T. Geo. Stiles Company, The. (See Stiles, Thomas G., assignor.)
- T. A. Gillespie Company, The. (See De Laval, George, assignor.)
- T. A. Gillespie Company. (See Sokoloff, Boris N., assignor.)
- T. A. Willson & Co. (See Willson and Bourquin, assignors.)
- T. C. Entwistle Company. (See Sidebottom, John W., assignor.)
- T. C. White Electrical Supply Company. (See Fox, Alexander L., assignor.)
- T. G. Hawkes & Co. (See Hawkes, Townsend D., assignor.)
- T. H. Symington Company, The. (See McAlister, Stuart G., assignor.)
- T. H. Symington Company, The. (See Mechlin, Ernest F., assignor.)
- T. H. Symington Company. (See Weston, Arthur H., assignor.)
- T. O. M. Manufacturing Company. (See Mason, Thomas O., assignor.)
- T. W. & C. B. Sheridan Company *et al.* (See Bredenberg, Alfred, assignor.)
- Taber Carburetor Company, The. (See Taber, George H., assignor.)
- Taber, Charles, Phalanx, N. J. Collapsible box. No. 1,224,234; May 1; v. 238; p. 42.
- Taber, George H., assignor to The Taber Carburetor Company, Inc., Binghamton, N. Y. Carburetor-valve. No. 1,225,076; May 8; v. 238; p. 387.
- Tabler, Harry C. (See Dougherty and Tabler.)
- Tabler, Jacob B., Star Tannery, Va. Automatic locomotive head-lamp. No. 1,214,887; Jan. 30; v. 234; p. 1516.
- Tabler, John H., Lanham, Md. Buckle. No. 1,216,881; Feb. 20; v. 235; p. 931.
- Tabor, Jacob W., near Eddy, Okla. Friction transmission-gear for automobiles. No. 1,215,076; Feb. 6; v. 235; p. 209.
- Tabor Manufacturing Company, The. (See Lewis, Wilfred, assignor.)
- Tabor Manufacturing Company, The. (See Lewis and Ramsden, assignors.)
- Tabor Manufacturing Company, The. (See Ramsden, John T., assignor.)
- Tabor, Roscoe M. (See Cougill, Charles E., assignor.)
- Tabor, Thomas H., Oak Hill, Ga., assignor to White Path Hotel Company. Trap. No. 1,249,242; Dec. 4; v. 245; p. 236.
- Tabulating Machine Company, The. (See Hollerith, Herman, assignor.)
- Tabulo, Louis, London, England. Differential hoisting and lowering apparatus. No. 1,221,390; Apr. 3; v. 237; p. 136.
- Tackaberry, Robert D., Lewiston, Me. Fluid-pressure regulator. No. 1,213,972; Jan. 30; v. 234; p. 1371.
- Tackaberry, Willoughby C. (See Klausung and Tackaberry.)
- Tacoma, Johannes. (See Vleeschouwer and Tacoma.)
- Tactkian, Stephen, New York, N. Y. Protective device for brushes. No. 1,218,963; Mar. 13; v. 236; p. 413.
- Tacune, Nicola, Derby, Conn. Washboard. No. 1,237,839; Aug. 21; v. 241; p. 812.
- Tacy, Samuel H., Elkins Park, assignor to Pre-Heated Air Company, Philadelphia, Pa. Preheater-inlet. No. 1,220,473; Mar. 27; v. 236; p. 1007.
- Tacy, Samuel H., Elkins Park, assignor to Pre-Heated Air Company, Philadelphia, Pa. Preheater-plate. No. 1,249,551; Dec. 11; v. 245; p. 354.
- Tadey, Carl, Wetter, assignor to Deutsche Maschinenfabrik Aktiengesellschaft, Duisburg, Germany. Planet driving-gear. No. 1,221,626; Apr. 3; v. 237; p. 218.
- Tadgell, George. (See Murdoch and Tadgell.)
- Tacini, Gerome F., New York, N. Y. Fire-escape. No. 1,249,243; Dec. 4; v. 245; p. 236.
- Tadin, Gustaf A., McIntosh, Minn. Currycomb and manecomb. No. 1,249,552; Dec. 11; v. 245; p. 355.
- Taft-Peirce Manufacturing Company, The. (See Martel, Albert A., assignor.) (Reissue.)
- Taggart, Elmer E., Syracuse, N. Y. Lighting device. No. 1,212,711; Jan. 16; v. 234; p. 874.
- Taggart, Frank D., Wyomissing, Pa. Alloy roll-steel. No. 1,213,973; Jan. 30; v. 234; p. 1371.
- Taggart, James M., Fort Washington, N. Y. Feed-water heater. No. 1,216,747; Feb. 20; v. 235; p. 885.
- Taggart, Wayne, Hopedale, Ohio. Bag-tie. No. 1,243,232; Oct. 16; v. 243; p. 633.
- Taggart, Wayne, Hopedale, Ohio. Grain-bag fastener. No. 1,243,233; Oct. 16; v. 243; p. 633.
- Tagliabue, Charles J., Brooklyn, N. Y., assignor to C. J. Tagliabue Manufacturing Company. Closed oil-tester. No. 1,236,123; Aug. 7; v. 241; p. 191.
- Tague, John J., Brooklyn, N. Y. Pressure-reducing valve. No. 1,231,966; July 3; v. 240; p. 144.
- Taine, Roger, Fourmies, France. Planetary gearing. No. 1,234,822; July 31; v. 240; p. 1208.
- Taini, John. (See Portesi and Taini.)
- Tainton, Urlyn C., Johannesburg, Transvaal, South Africa. Electrolytic recovery of metals from their solutions. No. 1,251,302; Dec. 25; v. 245; p. 960.
- Tainton, Urlyn C., and M. F. L. A. Aymard, Johannesburg, Transvaal, South Africa. Electrolytic recovery of metals from their solutions and apparatus therefor. No. 1,231,967; July 3; v. 240; p. 144.
- Tainton, Urlyn C., London, and J. N. Pring, Chester, England. Electrodeposition and extraction of zinc. No. 1,247,179; Nov. 20; v. 244; p. 671.
- Taisey, Fred R., Lowell, assignor to The Lamson Company, Boston, Mass. Assorting device for carriers. No. 1,218,910; Mar. 13; v. 236; p. 395.
- Tait, Harry T., Springfield, Mass., assignor to Manning Manufacturing Company, Rutland, Vt. Can-straightening machine. No. 1,231,453; June 26; v. 239; p. 1155.
- Tait, William S. (See Johnson and Tait.)
- Takahashi, Benjamin M., Harlowton, Mont. Indicator for motor-vehicles. No. 1,229,167; June 5; v. 239; p. 266.
- Takahashi, Dannojo, Portland, Oreg. Butter-cutter. No. 1,240,387; Sept. 18; v. 242; p. 595.
- Takamine, Jokichi, New York, N. Y., and S. Satow, Sendai, Japan. Obtaining proteid matter from corn. No. 1,245,818; Nov. 6; v. 244; p. 205.
- Takemi, Karn, New York, N. Y. Bob-sled. No. 1,216,009; Feb. 13; v. 235; p. 574.
- Talbert, Charles S., Anaheim, Cal. Tree-support. No. 1,234,960; July 31; v. 240; p. 1254.
- Talbert, Daniel H., assignor to Holcomb & Hoke Manufacturing Company, Indianapolis, Ind. Corn-popping machine. No. 1,233,421; July 17; v. 240; p. 689.
- Talbot, Ernest, Lowestoft, England. Constructing pistons for fluid-pressure engines. No. 1,233,726; July 17; v. 240; p. 789.
- Talbot, J. W. (See Chase, Frank H., assignor.)

- Talbot, John W., Chicago, Ill. Composition of matter for skate-wheels and the like. No. 1,248,033; Nov. 27; v. 244; p. 948.
- Talbot, Stafford C. (See Villar and Talbot.)
- Talbot, William W., New York, N. Y., assignor to F. T. Fowler, Chicago, Ill. Gas-generator. No. 1,212,281; Jan. 16; v. 234; p. 721.
- Talbott, Otho H. W., and W. F. Prettyman, Rockville, Md. Wheel-lock. No. 1,219,789; Mar. 20; v. 236; p. 727.
- Talbott, Richard E. (See Brown, Albert, assignor.)
- Talcott, Mancel W. (See Talcott, Walter O., assignor.)
- Talcott, Walter O., assignor of one-half to M. W. Talcott, Providence, R. I. Belt-fastener. No. 1,212,712; Jan. 16; v. 234; p. 875.
- Talcott, Walter O., assignor of one-half to M. W. Talcott, Providence, R. I. Belt-fastener. No. 1,218,227; Mar. 6; v. 236; p. 119.
- Taliaferro, John C., Baltimore, Md., assignor, by mesne assignments, to Continental Can Company, Inc. Cans-closing machine. No. 1,249,853; Dec. 11; v. 245; p. 444.
- Taliaferro, John C., D. P. Robinson, and J. Coyle, Baltimore, Md., assignors to Continental Can Company, Incorporated, Syracuse, N. Y. Conveying and timing apparatus for timing and delivering articles. No. 1,242,738; Oct. 9; v. 243; p. 444.
- Taliaferro, Samuel W., New York, N. Y. Mold for making dental-crown dies. No. 1,224,687; May 1; v. 238; p. 203.
- Taliaferro, Thomas L., La Grange, Ill. Vacuum-sealing machine. No. 1,245,063; Oct. 30; v. 243; p. 1260.
- Talk-Sing Company. (See Cole, Lewis, assignor.)
- Talla, Heinrich, Heilbronn-on-the-Neckar, assignor to Präzisionsgusswerke System Schmidt-Reichhardt G. m. b. H., Frankfurt-on-the-Main, Germany. Process and device for casting metals under an explosive-like pressure into molds. No. 1,217,662; Feb. 27; v. 235; p. 1248.
- Tallaksen, Selma E., Ridgefield Park, N. J. Clothes-line cleaner. No. 1,219,051; Mar. 13; v. 236; p. 443.
- Tallakson, Hans, Sisseton, S. D. Marker-gage and square. No. 1,216,010; Feb. 13; v. 235; p. 574.
- Tallent, Alexander A. K., and G. K. Carlson, assignors to A. W. Penrose & Company, Limited, London, England. Means for attaching engraved sheets to cylinders for printing purposes. No. 1,231,968; July 3; v. 240; p. 144.
- Talleur, Frank E. (See Hoff and Talleur.)
- Talley, Edwin R., Grinnell, Iowa. Massage apparatus. No. 1,212,845; Jan. 16; v. 234; p. 918.
- Talley, Edwin R., Grinnell, Iowa. Apparatus for purifying water. No. 1,217,865; Feb. 27; v. 235; p. 1140.
- Talley, Herbert, Joplin, Mo., assignor, by mesne assignments, to Hercules Powder Company. Shell filling and closing machine. No. 1,245,528; Nov. 6; v. 244; p. 117.
- Talley, Randal E., Irwin, Pa., assignor to Westinghouse Electric and Manufacturing Company. Gear. No. 1,223,216; Apr. 17; v. 237; p. 845.
- Tallmadge, Charles H., assignor to W. R. Heath, Buffalo, N. Y. Mechanical card-accounting. No. 1,247,899; Nov. 27; v. 244; p. 912.
- Tallmage, Millard S., assignor of one-half to J. T. Ronan, Buffalo, N. Y. Air-moistening attachment for hot-air furnaces. No. 1,240,388; Sept. 18; v. 242; p. 595.
- Tallman, Albert R., Nashville, Tenn. Automobile direction signal or indicator. No. 1,234,823; July 31; v. 240; p. 1208.
- Tallman, Otto E., Englevalle, N. D. Refrigerator-scale. No. 1,222,488; Apr. 10; v. 237; p. 553.
- Tallon, George V., New Haven, Conn. Pacifier. No. 1,235,169; July 31; v. 240; p. 1316.
- Tallyn, Arthur H., Benson, Md. Snow-plow. No. 1,230,622; June 19; v. 239; p. 839.
- Tam, Oscar S. (See Peirce and Hannah, assignors.)
- Tambs, William H., Syracuse, N. Y. Combined drilling and reaming machine. No. 1,248,750; Dec. 4; v. 245; p. 96.
- Tamura, Tokumatsu, Reno, Nev. Camera. No. 1,227,692; May 29; v. 238; p. 1379.
- Tanaka, Kay T., Salt Lake City, Utah. Invisible shoe-fastener. No. 1,219,052; Mar. 13; v. 236; p. 443.
- Tanaka, Masao, New York, N. Y. Envelop. No. 1,227,215; May 22; v. 238; p. 1192.
- Tanaka, Masao, New York, N. Y. Hair-clipper. No. 1,227,216; May 22; v. 238; p. 1192.
- Tanaka, Masao, New York, N. Y. Combined hair-clipper and hair-brush. No. 1,244,917; Oct. 30; v. 243; p. 1216.
- Tanczer, Josef, Budapest, Hungary. Ground-cultivator. No. 1,227,089; May 22; v. 238; p. 1150.
- Tanczer, Josef, Budapest, Hungary. Hoe for cultivating-machines. No. 1,227,090; May 22; v. 238; p. 1150.
- Tandy, John L., Kansas City, Mo. Bed-spring cover. No. 1,227,693; May 29; v. 238; p. 1379.
- Tandy, Thomas L. (See Good and Tandy.)
- Tangen, Reinhart O., Beach, N. D. Wire-stretcher. No. 1,239,061; Sept. 4; v. 242; p. 109.
- Tankboner, Audley V. (See Setzer, Richard, assignor.)
- Tannaka, Naho, New York, N. Y. Telephone-receiver. No. 1,214,610; Feb. 6; v. 235; p. 45.
- Tannaka, Naho, New York, N. Y. Telephone-transmitter. No. 1,231,095; June 26; v. 239; p. 1037.
- Tanner, Albert E., Stretford, and E. A. Claremont, High Leigh, England. Joint for electric cables. No. 1,223,444; Apr. 24; v. 237; p. 954.
- Tanner, Albert S., Mason City, Iowa. Block-mold. No. 1,235,858; Aug. 7; v. 241; p. 107.
- Tanner, Arnold J., London, England. Apparatus for printing and issuing tickets. No. 1,210,561; Jan. 2; v. 234; p. 64.
- Tanner, Clark L. (See McGurn and Tanner.)
- Tanner, Daniel R., La Grande, Ore. Method of and apparatus for preventing warping and twisting of lumber during kilning. No. 1,212,583; Jan. 16; v. 234; p. 827.
- Tanner, Daniel R., La Grande, Ore. Lumber-unloading mechanism. No. 1,220,375; Mar. 27; v. 236; p. 972.
- Tanner, Daniel R., La Grande, Ore. Lumber-handling mechanism for kiln-drying. No. 1,220,797; Mar. 27; v. 236; p. 1116.
- Tanner, Daniel R., La Grande, Ore. Lumber-stacker for kiln-drying. No. 1,220,798; Mar. 27; v. 236; p. 1117.
- Tanner, Daniel R., La Grande, Ore. Lumber-sorting mechanism. No. 1,220,799; Mar. 27; v. 236; p. 1117.
- Tanner, Emmett, Le Grand, assignor of nine-twentieths to W. T. Kirkman, Jr., Fresno, Cal. Rotary engine. No. 1,250,709; Dec. 18; v. 245; p. 735.
- Tanner, Harry L. (See Sperry and Tanner.)
- Tanner, John M., Carriers Mills, Ill. Combination folding ironing-board and step-ladder. No. 1,217,526; Feb. 27; v. 235; p. 1199.
- Tanner, William J., Bridgeport, Conn. Vibration-governing device for sound-reproducing machines. No. 1,215,744; Feb. 13; v. 235; p. 479.
- Tanney, George A., Chicago, Ill. Game mechanism. No. 1,243,642; Oct. 16; v. 243; p. 756.
- Tanquary, Charles G., and W. J. Caldwell, Henryetta, Okla. Camera attachment. No. 1,232,993; July 10; v. 240; p. 514.
- Tansley, Ambrose, and W. H. Russell, Los Angeles, Cal. Automobile-fender. No. 1,233,727; July 17; v. 240; p. 789.
- Tansley, George H., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Safety device for firearms. No. 1,234,961; July 31; v. 240; p. 1254.
- Tanlilinger, Don V., Lawton, Okla. Toy. No. 1,228,147; May 29; v. 238; p. 1532.
- Tanzer, Gottwerth L., Seattle, Wash. Apparatus for roasting ores. No. 1,226,923; May 22; v. 238; p. 1092.
- Tanzer, Gottwerth L., Seattle, Wash. Furnace for treating ores. No. 1,249,854; Dec. 11; v. 245; p. 444.
- Tanzl, Aurelio, Philadelphia, Pa. Shaft set-screw. No. 1,220,024; Mar. 20; v. 236; p. 809.
- Tanzi, Guido, assignor to V. A. Tanzi & Sons Co., New York, N. Y. Die construction. No. 1,228,495; June 5; v. 239; p. 41.
- Tanzi & Sons Co., V. A. (See Tanzi, Guido, assignor.)
- Tappan, Robert, New York, N. Y. Change-receptacle. No. 1,242,739; Oct. 9; v. 243; p. 444.
- Tappe, William, West Union, W. Va. Box-lid holder or hanger. No. 1,233,142; July 10; v. 240; p. 563.
- Tappen, Alexander B., Ossining, N. Y. Reinforcement for concrete coverings. No. 1,210,560; Jan. 2; v. 234; p. 63.
- Tar'Bush, Hubert, assignor of one-half to G. R. Barker, Lakewood, Ohio. Wrench. No. 1,244,172; Oct. 23; v. 243; p. 951.
- Taralle, Julien, Geneva, Switzerland. Lock for bicycles. No. 1,218,336; Mar. 6; v. 236; p. 157.
- Taranto, John, Waltham, Mass. Buffer for loom-pickers. No. 1,231,096; June 26; v. 239; p. 1037.
- Taras, Mikolaj, Toledo, assignor of one-half to J. Bartuzel, Youngstown, Ohio. Rail-joint. No. 1,228,716; June 5; v. 239; p. 116.
- Tarassoff, Konstantin, Moscow, Russia. Manufacturing condensation products from phenol formaldehyde and the like. No. 1,216,515; Feb. 20; v. 235; p. 806.
- Tarassoff, Konstantin, Moscow, Russia. Manufacture of hard composition of matter from aldehydes and phenols. No. 1,216,516; Feb. 20; v. 235; p. 806.
- Tarassoff, Konstantin Dobroslobodsky, Moscow, Russia. Manufacture of the products of condensation of phenols with formaldehyde and the like. No. 1,235,507; July 31; v. 240; p. 1417.
- Tarassoff, Konstantin, Moscow, and P. Shestakoff, Petrograd, Russia. Obtaining solid products of condensation from phenols, formaldehyde, and salts of sulfo-acids. No. 1,237,579; Aug. 21; v. 241; p. 729.
- Taray, John, Woodriver, Ill. Metallic tie and rail-fastener. No. 1,239,739; Sept. 11; v. 242; p. 354.
- Tarbell, Cassius C., El Paso, Tex. Transmission-gearing for station-indicators. No. 1,245,064; Oct. 30; v. 243; p. 1260.
- Tarbet, Clarence W., Chicago, Ill. Device for inflating pneumatic tires. No. 1,234,962; July 31; v. 240; p. 1254.
- Tarbox, John P. (See Curtiss and Tarbox.)
- Tarbox, John P., Washington, D. C. Method and system of selective character-display. No. 1,218,015; Mar. 6; v. 236; p. 44.
- Tarbox, John P., Buffalo, N. Y. Display-registering system. No. 1,218,016; Mar. 6; v. 236; p. 44.
- Tarbox, John P., Buffalo, N. Y., assignor to Curtiss Aeroplane & Motor Corporation. Spoke-stay. No. 1,223,298; Apr. 17; v. 237; p. 870.
- Tarbox, John P., Buffalo, N. Y., assignor to Tarbox Safety Aircraft Company. Aircraft. No. 1,230,443; June 19; v. 239; p. 777.

Alphabetical list of patentees—Continued.

- Tarbox, John P., Buffalo, N. Y., assignor to Tarbox Safety Aircraft Company. Balancing mechanism. No. 1,239,635; Sept. 11; v. 242; p. 319.
- Tarbox, John P., Buffalo, N. Y., assignor to Tarbox Safety Aircraft Company. Balancing system for aircraft. No. 1,239,636; Sept. 11; v. 242; p. 320.
- Tarbox, John P., and H. Kleckler, Buffalo, N. Y., assignors to Curtiss Aeroplane & Motor Corporation. Universal wing-post socket. No. 1,223,375; May 29; v. 238; p. 1607.
- Tarbox Safety Aircraft Company. (See Tarbox, John P., assignor.)
- Tarentum Glass Company. (See Sailer, Miller, and Stough, assignors.)
- Tarkington, Joseph A., assignor to Kissel Motor Car Company, Hartford, Wis. Door-latch. No. 1,249,553; Dec. 11; v. 245; p. 355.
- Tarleton, Pearl E., Long Beach, Cal. Axle or shafting guard. No. 1,227,342; May 22; v. 238; p. 1233.
- Tarrant, Leonard S., Hawera, New Zealand. Paint. No. 1,247,900; Nov. 27; v. 244; p. 913.
- Tarrant, Leonard S., Hawera, New Zealand. Submarine or under-water paint. No. 1,247,901; Nov. 27; v. 244; p. 913.
- Tarrant Manufacturing Co. (See Tarrant, William P., assignor.)
- Tarrant, William P., assignor to Tarrant Manufacturing Co., Saratoga Springs, N. Y. Street-cleaning apparatus. No. 1,219,505; Mar. 20; v. 236; p. 628.
- Tarrisse, Mathurin, Suresnes, France. Automatic change-speed device. No. 1,216,626; Feb. 20; v. 235; p. 845.
- Tarshis, Harry, L. Berzon, and J. Brezin, assignors of one-fourth to L. Aron, Philadelphia, Pa. Bag fastening and locking mechanism. No. 1,245,132; Oct. 30; v. 243; p. 1281.
- Tashima, Joe, San Francisco, Cal. Rice-cooker. No. 1,237,580; Aug. 21; v. 241; p. 729.
- Tasker, Stephen P. M. (See Gartley and Tasker.)
- Tata, Ratan. (See Bibsey, Shanker A., assignor.)
- Tataryn, Petro, Chester, Pa. Farm-fence. No. 1,228,717; June 5; v. 239; p. 117.
- Tataryn, Petro, Chester, Pa. Cuspidor-cleaning apparatus. No. 1,234,963; July 31; v. 240; p. 1254.
- Tate, Alfred O., Montreal, Quebec, Canada, assignor to Tate Electrolytic Waterproofing Company, Incorporated, New York, N. Y. Machine for waterproofing fibrous materials. No. 1,215,077; Feb. 6; v. 235; p. 209.
- Tate, Alfred O., Montreal, Quebec, Canada, assignor to Tate Electrolytic Waterproofing Company, Incorporated, New York, N. Y. Machine for waterproofing fibrous materials. No. 1,228,986; June 5; v. 239; p. 206.
- Tate, Alfred O., Montreal, Quebec, Canada, assignor to Tate Electrolytic Waterproofing Company, Incorporated, New York, N. Y. Waterproofing fibrous materials. No. 1,228,987; June 5; v. 239; p. 206.
- Tate, Alfred O., Montreal, Quebec, Canada, assignor to Tate Electrolytic Waterproofing Company, Incorporated, New York, N. Y. Machine for waterproofing fibrous materials. No. 1,228,988; June 5; v. 239; p. 206.
- Tate Electrolytic Waterproofing Company. (See Tate, Alfred O., assignor.)
- Tate, John R., and N. J. Smith, Seneca, Mo. Animal-shoe-removing device. No. 1,231,097; June 26; v. 239; p. 1037.
- Tate, Joseph B., D. L. Wilhoit, and H. M. Fox, Martinsville, Ill. Sanitary drinking-fountain. No. 1,249,244; Dec. 4; v. 245; p. 237.
- Tatlow, Richard H., Jr., Denver, Colo. Lamp. No. 1,227,694; May 29; v. 238; p. 1379.
- Tatman, Joseph M., Taft, Cal. Oil-separator. No. 1,240,099; Sept. 11; v. 242; p. 464.
- Tatro, Henry C., Oretown, Oreg. Vest-pocket hat-holder. No. 1,251,443; Dec. 25; v. 245; p. 1001.
- Tattu, Radu, assignor to Universal Metal Bed Company, Brooklyn, N. Y. Corner-joint. No. 1,238,054; Aug. 21; v. 241; p. 880.
- Tatum, Charles A., New York, N. Y. Device for measuring glass. No. 1,218,492; Mar. 6; v. 236; p. 207.
- Tatum, John J., Baltimore, Md. Dump-car. No. 1,235,739; Aug. 7; v. 241; p. 67.
- Tatum, John J., Baltimore, Md., assignor, by mesne assignments, to P. H. Murphy Company, Parnassus, Pa. Car-roof. No. 1,239,740; Sept. 11; v. 242; p. 354.
- Tatum, John J., Baltimore, Md., assignor, by mesne assignments, to P. H. Murphy Company, Parnassus, Pa. Car. No. 1,240,622; Sept. 18; v. 242; p. 665.
- Tatum, Lewis L., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controlling device. No. 1,234,824; July 31; v. 240; p. 1209.
- Tatum, Lewis L., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Meter. No. 1,240,797; Sept. 18; v. 242; p. 720.
- Tatum, Walter V. (See McGee, James W., assignor.)
- Taub, Ludwig. (See Hiemenz and Taub.)
- Taubert, Maurice, Chicago, Ill. Folding davenport or couch. No. 1,216,011; Feb. 13; v. 235; p. 575.
- Tauber, Maurice, Chicago, Ill. Folding davenport or couch. No. 1,216,627; Feb. 20; v. 235; p. 846.
- Tauber, Maurice, Chicago, Ill. Folding davenport or couch. No. 1,216,882; Feb. 20; v. 235; p. 931.
- Tauber, Maurice, Chicago, Ill. Folding davenport or couch. No. 1,217,366; Feb. 27; v. 235; p. 1140.
- Taubert, Gotthart, Pittsfield, Mass. Net-cutting and signal attachment for submarines. No. 1,214,238; Jan. 30; v. 234; p. 1462.
- Taussig, Adolph E. (See Kotzich and Reimers, assignors.)
- Taussig, Maurice, Chicago, Ill. Notion-counter. No. 1,226,027; May 15; v. 238; p. 752.
- Tautges, August, Aniwa, assignor of two-fifths to J. Lindner, Jr., Birnamwood, Wis. Door structure for grain-cars and the like. No. 1,242,268; Oct. 9; v. 243; p. 294.
- Tautges, August, Aniwa, assignor of one-fifth to J. Lindner, Sr., and one-fifth to J. Lindner, Jr., Birnamwood, Wis. Door-structure for grain-cars and the like. No. 1,219,506; Mar. 20; v. 236; p. 629.
- Taxon, Louis, Rockford, assignor, by mesne assignments, to The Brunswick-Balke-Collender Company, Chicago, Ill. Universal sound reproducer and arm. No. 1,240,267; Sept. 18; v. 242; p. 557.
- Tay-Pike Company. (See Baash, Lawrence F., assignor.)
- Tayek, J. J. (See Smith, Willis J., assignor.)
- Taylor, Aiken C., Richmond, assignor to E. P. Summerfield, Norfolk, Va. Weather-strip. No. 1,223,445; Apr. 24; v. 237; p. 955.
- Taylor, Aiken C., Richmond, assignor to E. P. Summerfield, Norfolk, Va. Window. No. 1,226,145; May 15; v. 238; p. 793.
- Taylor, Albert. (See Carter, Taylor, and Griffith.)
- Taylor, Albert J., Lamasco, Tex. Measuring instrument. No. 1,244,390; Oct. 23; v. 243; p. 1017.
- Taylor, Albertis C., Warren, Ohio. Electric welding and articles produced thereby. No. 1,243,004; Oct. 16; v. 243; p. 564.
- Taylor, Albertis C., Warren, Ohio. Electric welding apparatus. No. 1,247,741; Nov. 27; v. 244; p. 866.
- Taylor, Alexander, Dunedin, New Zealand. Hat-fastener. No. 1,231,454; June 26; v. 239; p. 1156.
- Taylor, Alfred G., assignor to J. R. Aiken, Greenville, S. C. Electric-current collector. No. 1,211,006; Jan. 2; v. 234; p. 218.
- Taylor, Andrew, Goldville, assignor to Clinton Cam Company, Clinton, S. C. Bobbin-skewer. No. 1,239,138; Sept. 4; v. 242; p. 135.
- Taylor, Andrew, Goldville, assignor to Clinton Cam Company, Clinton, S. C. Bobbin-skewer. No. 1,239,139; Sept. 4; v. 242; p. 135.
- Taylor, Arthur B., Detroit, Mich. Chain. No. 1,239,232; Sept. 4; v. 242; p. 164.
- Taylor, Arthur P., and J. D. Runyan, assignors to The Charles Taylor Sons Company, Cincinnati, Ohio. Refractory product and manufacturing the same. No. 1,212,846; Jan. 16; v. 234; p. 919.
- Taylor, Arthur P., and J. D. Runyan, assignors to The Charles Taylor Sons Company, Cincinnati, Ohio. Manufacture of plastic products. No. 1,212,847; Jan. 16; v. 234; p. 919.
- Taylor, Arthur S., Canton, Ohio, assignor of one-half to H. E. Smythe, Pittsburgh, Pa. Carbureter. No. 1,247,602; Nov. 20; v. 244; p. 701.
- Taylor Basket & Machine Company, The. (See Youngs, Edwin J., assignor.)
- Taylor, Bayard E., Oak Park, Ill. Lock-adjuster for windows. No. 1,240,902; Sept. 25; v. 242; p. 787.
- Taylor, Bayard E., Oak Park, Ill. Door-lock. No. 1,246,347; Nov. 13; v. 244; p. 390.
- Taylor, Bayard E., Oak Park, Ill. Door-lock. No. 1,246,348; Nov. 13; v. 244; p. 390.
- Taylor, Bayard E., Oak Park, Ill. Door and window lock. No. 1,246,349; Nov. 13; v. 244; p. 391.
- Taylor, Bayard E., Oak Park, Ill. Lock for doors and windows. No. 1,246,350; Nov. 13; v. 244; p. 391.
- Taylor, Bayard E., Oak Park, Ill. Lock for automobile-doors. No. 1,246,490; Nov. 13; v. 244; p. 434.
- Taylor, Bernard E., Holyoke, Colo. Attachment for test-tube dividers. No. 1,250,383; Dec. 18; v. 245; p. 638.
- Taylor, Blake, Pineville, W. Va. Form for concrete culverts. No. 1,238,456; Aug. 28; v. 241; p. 1045.
- Taylor, Burt E. (See Howard and Taylor.)
- Taylor, Burt E. (See Rogers and Taylor.)
- Taylor, Burt E., Mount Vernon, assignor to Borden's Condensed Milk Company, New York, N. Y. Pipe-strainer. No. 1,223,299; Apr. 17; v. 237; p. 870.
- Taylor, Burt E., Mount Vernon, assignor to Borden's Condensed Milk Company, New York, N. Y. Liquid-measuring and container-charging machine. No. 1,246,180; Nov. 13; v. 244; p. 339.
- Taylor, Carl P., Roanoke, Va., assignor to General Electric Company. Motor-control system. No. 1,240,623; Sept. 18; v. 242; p. 665.
- Taylor, Carl R., and M. Braymes, Cleveland, Ohio. Device for rolling rugs. No. 1,226,407; May 15; v. 238; p. 883.
- Taylor, Carrie E., Los Angeles, Cal. Device for fastening sheet material together. No. 1,223,641; Apr. 24; v. 237; p. 1026.
- Taylor, Carroll M., Coatesville, and W. R. Shearer, Hanover, Pa. Heating device. No. 1,241,167; Sept. 25; v. 242; p. 868.
- Taylor, Cecil H., and B. B. Neuteboom, Detroit, Mich. Drive-wheel construction for motor-vehicles. No. 1,226,276; May 15; v. 238; p. 841.
- Taylor, Charles, Wilmington, Del. Machine for drying textile fabrics in open form. No. 1,237,972; Aug. 21; v. 241; p. 854.

- Taylor, Charles C., *et al.* (See Taylor, Silas L. O., assignor.)
- Taylor, Charles E., Seattle, Wash. Mechanically-operated indicator. No. 1,239,741; Sept. 11; v. 242; p. 353.
- Taylor, Charles E., assignor of one-half to D. Seville, Columbus, Ohio. Motor cut-out. No. 1,231,810; July 3; v. 240; p. 93.
- Taylor, Charles H., Siletz, Oreg. Lubricator. No. 1,217,663; Feb. 27; v. 235; p. 1249.
- Taylor, Charles H., Sawtelle, Cal. Trolley-wheel. No. 1,223,217; Apr. 17; v. 237; p. 845.
- Taylor, Charles H., Oakland, Cal. Heating system. No. 1,235,508; July 31; v. 240; p. 1417.
- Taylor, Charles H., South Orange, N. J. Disappearing bed. No. 1,239,540; Sept. 11; v. 242; p. 290.
- Taylor, Charles H. and C. F. Melville, New York, N. Y., assignors to Criterion Advertising Company, Inc. Bill-board and the like. No. 1,216,012; Feb. 13; v. 235; p. 575.
- Taylor, Charles L., Utica, N. Y. Pressing and steaming iron. No. 1,237,726; Aug. 21; v. 241; p. 778.
- Taylor, Charles M., Paris, Ky. Tree-trimmer. No. 1,237,581; Aug. 21; v. 241; p. 730.
- Taylor, Charles R., Fostoria, Mich. Fire-escape. No. 1,249,855; Dec. 11; v. 245; p. 445.
- Taylor, Clarence L., assignor to The Morgan Engineering Company, Alliance, Ohio. Machine for sawing metal. No. 1,227,695; May 29; v. 238; p. 1380.
- Taylor, Clarence W., assignor to Onlake Company, Chicago, Ill. Differential mechanism. No. 1,220,289; Mar. 27; v. 236; p. 942.
- Taylor, Dean L., Santa Maria, Cal. Gas-turbine. No. 1,251,132; Dec. 25; v. 245; p. 910.
- Taylor, Denman C., Miller, Nebr. Tire-armor. No. 1,250,710; Dec. 18; v. 245; p. 736.
- Taylor, Edward. (See Place and Taylor.)
- Taylor, Edward, Chicago, Ill., assignor to General Electric Company. Automatic substation. No. 1,237,973; Aug. 21; v. 241; p. 854.
- Taylor, Edward D., Kalamazoo, Mich. Brooder. No. 1,239,637; Sept. 11; v. 242; p. 320.
- Taylor, Edwin, Brooklyn, and W. H. Taylor, New York, N. Y., assignors, by mesne assignments, to Taylor-Hubbard Company. Apparatus for generating and utilizing motive fluids. No. 1,241,780; Oct. 2; v. 243; p. 99.
- Taylor, Edwin and W. H., New York, N. Y., assignors by mesne assignments, to Taylor-Hubbard Company. Generating and utilizing motive fluids. No. 1,241,781; Oct. 2; v. 243; p. 99.
- Taylor, Ellis, assignor of one-half to T. A. Howard, Sandersville, Miss. Mail-crane. No. 1,219,191; Mar. 13; v. 236; p. 490.
- Taylor, Emerson L., Columbus, Ohio. Clutch-pedal lock for automobiles. No. 1,250,711; Dec. 18; v. 245; p. 736.
- Taylor, Ernest J., Needham Heights, Mass. Shaft-bearing centralizer. No. 1,246,181; Nov. 13; v. 244; p. 340.
- Taylor, Eugene H., Boston, Mass. Safety device for box-ending machines. No. 1,222,695; Apr. 17; v. 237; p. 668.
- Taylor, Ewing H., assignor of one-half to J. A. Ausbrooks, three-eighths to L. W. Alexander and one-eighth to J. M. Cullum, Fayetteville, Tenn. Well-bucket. No. 1,224,040; Apr. 24; v. 237; p. 1163.
- Taylor, Floyd T., Boston, Mass. Automatic controller. No. 1,225,888; May 15; v. 238; p. 704.
- Taylor, Forest R., Lowell, Mich. Valve-reseater. No. 1,223,218; Apr. 17; v. 237; p. 845.
- Taylor, Frank, Ponsonby, Auckland, New Zealand. Resilient wheel. No. 1,240,624; Sept. 18; v. 242; p. 656.
- Taylor, Frank T., *et al.* (See Marion, Frank, assignor.)
- Taylor, Fred K. (See Norwood and Taylor.)
- Taylor, Frederick F., Pelham, assignor to Provident System's Corporation, New York, N. Y. Device for use in industrial-life-insurance systems. No. 1,226,277; May 15; v. 238; p. 842.
- Taylor, Gardner A., Salinas, Cal. Agricultural implement. No. 1,248,034; Nov. 27; v. 244; p. 948.
- Taylor, George H., Richmond, Va. Band-fastener. No. 1,218,337; Mar. 6; v. 236; p. 157.
- Taylor, George H., Richmond, Va. Attached band-fastener. No. 1,241,301; Sept. 25; v. 242; p. 914.
- Taylor, George H., Richmond, Va. Shipping-tag. No. 1,241,302; Sept. 25; v. 242; p. 914.
- Taylor, George N. (See Rand and Taylor.)
- Taylor, George N., East Providence, R. I., assignor to S. Slater & Sons, Webster, Mass. Yarn-moistening device. No. 1,240,625; Sept. 18; v. 242; p. 666.
- Taylor, George W., Rochester, N. Y. Skate. No. 1,224,688; May 1; v. 238; p. 204.
- Taylor, Guy O. (See Carrington, Fred W., assignor.)
- Taylor, Harold B., Wilksburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. No. 1,234,964; July 31; v. 240; p. 1255.
- Taylor, Harold B., Wilksburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. No. 1,236,786; Aug. 14; v. 241; p. 439.
- Taylor, Harold F., assignor to J. Mesmer, Los Angeles, Cal. Method of and means for preventing conflagrations. No. 1,236,622; Aug. 14; v. 241; p. 383.
- Taylor, Harold F., assignor of fifty-one one-hundredths to J. Mesmer, Los Angeles, Cal. Rotary-sprinkler thermostatic fire-extinguisher. No. 1,241,450; Sept. 25; v. 242; p. 957.
- Taylor, Harry A., New York, N. Y. Stocking. No. 1,227,217; May 22; v. 238; p. 1192.
- Taylor, Harvey B., Philadelphia, Pa. Pumping system. No. 1,231,310; June 26; v. 239; p. 1106.
- Taylor, Henry L., *et al.* (See Kirby, Francis L., assignor.)
- Taylor, Henry M. (See Cericola, Joseph C., assignor.)
- Taylor, Henry W. (See Davis, Isaac H., assignor.)
- Taylor, Herbert B., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Mechanical time-release for interlocking devices. No. 1,245,133; Oct. 30; v. 243; p. 1281.
- Taylor, Hiram E., North Adams, Mass., assignor to National Metals Company, Phoenix, Ariz. Method of and apparatus for segregating minerals. No. 1,248,948; Dec. 4; v. 245; p. 152.
- Taylor, Horace H., and L. A. Moberry, Oakland, Cal. Vacuum-cleaner. No. 1,211,786; Jan. 9; v. 234; p. 515.
- Taylor, Horace V. S., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Ignition mechanism. No. 1,219,680; Mar. 20; v. 236; p. 690.
- Taylor, Horace V. S., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical contact members. No. 1,232,624; July 10; v. 240; p. 393.
- Taylor, Horace V. S., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical contact members. No. 1,232,625; July 10; v. 240; p. 393.
- Taylor-Hubbard Company. (See Taylor, Edwin and W. H., assignors.)
- Taylor Instrument Companies. (See Apthorpe, William H., assignor.)
- Taylor Instrument Companies. (See Collinson, Francis E., assignor.)
- Taylor Instrument Companies. (See Maurer, Henry W., assignor.)
- Taylor Instruments Companies. (See Norwood, Harry Y., assignor.)
- Taylor Instrument Companies. (See Norwood and Taylor, assignors.)
- Taylor, Isaac F., East Dulwich, assignor of one-half to S. Pick, London, England. Aerial apparatus for defense against hostile aircraft and for other purposes. No. 1,230,881; June 26; v. 239; p. 962.
- Taylor, Isaac F., East Dulwich, assignor of one-half to S. Pick, London, England. Apparatus for storing ships' boats and facilitating the lowering of same. No. 1,240,100; Sept. 11; v. 242; p. 464.
- Taylor, Israel R., Asbury Park, N. J. Measuring device. No. 1,248,035; Nov. 27; v. 244; p. 948.
- Taylor, Izora. (See Taylor, James H. and I.)
- Taylor, James A. (See Bagnall and Taylor.)
- Taylor, James B., Jr., New York, N. Y. Explosive-engine. No. 1,233,934; July 17; v. 240; p. 856.
- Taylor, James E., McKinney, Tex. Gin-saw-gumming machine. No. 1,210,723; Jan. 2; v. 234; p. 120.
- Taylor, James H., Chicago, Ill. Making flanges. No. 1,243,005; Oct. 16; v. 243; p. 564.
- Taylor, James H., Alexandria, Va., assignor to United States of America. Identification-tag. No. 1,246,753; Nov. 13; v. 244; p. 511.
- Taylor, James H. and I., Philadelphia, Pa. Corset. No. 1,240,510; Sept. 18; v. 242; p. 633.
- Taylor, James M., Burley, Idaho. Guard for wheel-hubs. No. 1,214,840; Feb. 6; v. 235; p. 125.
- Taylor, James W., assignor of two-thirds to G. A. Mohr, Lansing, Mich. Valve for pneumatic tires. No. 1,211,501; Jan. 9; v. 234; p. 419.
- Taylor, John, Salt Lake City, Utah. Power-generator. No. 1,233,618; July 17; v. 240; p. 756.
- Taylor, John, Hamilton, Ontario, Canada. Apparatus utilized in subaqueous building construction. No. 1,237,582; Aug. 21; v. 241; p. 730.
- Taylor, John B., Schenectady, N. Y. Speed-regulating apparatus. No. 1,227,091; May 22; v. 238; p. 1150.
- Taylor, John B., Schenectady, N. Y., assignor to General Electric Company. Projection apparatus. No. 1,213,974; Jan. 30; v. 234; p. 1371.
- Taylor, John B., Schenectady, N. Y., assignor to General Electric Company. Projection apparatus. No. 1,213,975; Jan. 30; v. 234; p. 1372.
- Taylor, John D., deceased, Wilksburg; M. E. Taylor, executrix, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. No. 1,211,788; Jan. 9; v. 234; p. 516.
- Taylor, John E., Camden, Ohio, assignor of one-half to J. F. Knepper, Whitewater, Ind. Planter. No. 1,227,018; May 22; v. 238; p. 1126.
- Taylor, John H., Pittsfield, Mass. Mechanical movement. No. 1,237,125; Aug. 14; v. 241; p. 547.
- Taylor, John L., Oakmont, Pa. Metal barge. No. 1,249,690; Dec. 11; v. 245; p. 395.
- Taylor, John M., Hartford, Conn. Clamp. No. 1,221,774; Apr. 3; v. 237; p. 267.
- Taylor, John R. (See McCluer, Anna T., assignor.)
- Taylor, John R., Brackenridge, Pa., assignor to Allegheny Steel Company. Evener-bar or the like. No. 1,223,910; Apr. 24; v. 237; p. 1120.

- Taylor, John W., Pleasant Hill, Mo. Mail-box. No. 1,210,562; Jan. 2; v. 234; p. 64.
- Taylor, Joseph, Oklahoma, Okla. Automatic sprinkler-head. No. 1,220,025; Mar. 20; v. 236; p. 809.
- Taylor, Joseph G., Jr., Springfield, Ill. Shoe. No. 1,213,036; Jan. 16; v. 234; p. 985.
- Taylor, Joseph J., Richmond, Vt. Tooth-brush holder. No. 1,228,261; May 29; v. 238; p. 1569.
- Taylor, Lawrence H., Wichita, Kans. Domestic press. No. 1,223,642; Apr. 24; v. 237; p. 1026.
- Taylor, Lawrence S., Nacogdoches, Tex. Grass and weed cutter. No. 1,248,751; Dec. 4; v. 245; p. 96.
- Taylor, Lewis H., Jr. (See Bair, Joseph H., assignor.)
- Taylor, Lucinda. (See Taylor, Roland B., assignor.)
- Taylor, Martin L., Menard, Tex. Dirigible automobile-headlight. No. 1,240,626; Sept. 18; v. 242; p. 666.
- Taylor, Mary E., executrix. (See Taylor, John D.)
- Taylor, Merl L., Pontiac, Mich. Locking mechanism for motor-vehicles. No. 1,224,041; Apr. 24; v. 237; p. 1163.
- Teague, Moses E., Cinderford, Gloucester, England. Governor mechanism for compressor-engines and the like. No. 1,211,007; Jan. 2; v. 234; p. 218.
- Taylor, Myra J., Sydney, New South Wales, Australia. Waist. No. 1,224,100; Apr. 24; v. 237; p. 1184.
- Taylor, Oliver B., Muskegon, Mich. Paper-roll holder. No. 1,243,569; Oct. 16; v. 243; p. 732.
- Taylor, Ona O. (See Stineman and Taylor.)
- Taylor, Patillo M., Easley, S. C. Transmission mechanism. No. 1,218,493; Mar. 6; v. 236; p. 208.
- Taylor, Paul M., Norfolk, Va. Photographic-print-toning apparatus. No. 1,216,748; Feb. 20; v. 235; p. 886.
- Taylor, Percy C., Coronado, Cal. Display-stand. No. 1,245,819; Nov. 6; v. 244; p. 205.
- Taylor, Ralph G. (See McIntosh and Taylor.)
- Taylor, Ralph G., assignor to Universal Draft Gear Attachment Co., Chicago, Ill. Railway-truck. No. 1,243,006; Oct. 16; v. 243; p. 564.
- Taylor, Ralph G., assignor to Universal Draft Gear Attachment Co., Chicago, Ill. Railway-Truck. No. 1,243,007; Oct. 16; v. 243; p. 565.
- Taylor, Robert G., Chicago, Ill. Adjustable table-top cover. No. 1,219,790; Mar. 20; v. 236; p. 728.
- Taylor, Roland B., assignor to L. Taylor, Melville, Saskatchewan, Canada. Letter-folder. No. 1,237,583; Aug. 21; v. 241; p. 730.
- Taylor, Sam, Morganton, N. C. Carpenter's square. No. 1,239,742; Sept. 11; v. 242; p. 355.
- Taylor, Sam, Morganton, N. C. Animal-trap. No. 1,243,008; Oct. 16; v. 243; p. 565.
- Taylor, Samuel T., San Saba, Tex. Torch or burner. No. 1,231,969; July 3; v. 240; p. 145.
- Taylor, Sherman, Wymore, Nebr. Composite railway-tie. No. 1,231,669; July 3; v. 240; p. 45.
- Taylor, Silas L. C., assignor of one-third to M. L. Russell, one-third to C. C. Taylor, and one-third to J. W. Hensley, Huntington, W. Va. Combined leveling and plumbing implement. No. 1,242,740; Oct. 9; v. 243; p. 444.
- Taylor, Stiles & Company. (See Griffin, Charles W., assignor.)
- Taylor, Timothy E., Webster, Mass. Wooden lug-strap. No. 1,240,268; Sept. 18; v. 242; p. 557.
- Taylor, Walter, Eureka, Cal. Pants-stretcher. No. 1,232,994; July 10; v. 240; p. 514.
- Taylor-Wharton Iron and Steel Company. (See Andrews, Charles B., assignor.)
- Taylor-Wharton Iron & Steel Company. (See Hall, John H., assignor.)
- Taylor, William, East Scobey, Mont. Nail-holder. No. 1,247,742; Nov. 27; v. 244; p. 866.
- Taylor, William C., Bloomfield, N. J. Game apparatus. No. 1,226,028; May 15; v. 238; p. 752.
- Taylor, William E., East Orange, N. J., assignor to American Can Company, New York, N. Y. Can-labeling. No. 1,229,187; June 5; v. 239; p. 273.
- Taylor, William E., East Orange, N. J., assignor to American Can Company, New York, N. Y. Preserving fish. No. 1,250,384; Dec. 18; v. 245; p. 638.
- Taylor, William H. (See Taylor, Edwin and W. H.)
- Taylor, William R., Monticello, Ky. Nut-lock. No. 1,228,262; May 29; v. 238; p. 1569.
- Taylor, Willis A., Presque Isle, Me. Shaver's cabinet. No. 1,226,723; May 22; v. 238; p. 1023.
- Tayte, Chester A. S., Salem, Mass. Book-rest. No. 1,220,705; Mar. 27; v. 236; p. 1086.
- Tazelaar, Josiah, Grand Rapids, Mich. Glove. No. 1,244,142; Oct. 23; v. 243; p. 943.
- Teagle Company, The. (See Le Pontois, Leon J., assignor.)
- Teague, Horace B. S., Melrose Highlands, assignor to Edward Miller & Company, Boston, Mass. Holder for candles and the like. No. 1,241,576; Oct. 2; v. 243; p. 35.
- Teague, John H., Seattle, Wash. Permutation-lock. No. 1,238,596; Aug. 28; v. 241; p. 1090.
- Teahen, James M., Detroit, Mich. Flushing-tank. No. 1,241,470; Sept. 25; v. 242; p. 963.
- Teall, Clarence H., Detroit, Mich. Rotary spark-gap machine. No. 1,250,385; Dec. 18; v. 245; p. 638.
- Teall, James S., Rochester, N. Y. Lamp. No. 1,235,256; July 31; v. 240; p. 1342.
- Teare, Archie D., Victor, S. D. Vehicle-wheel. No. 1,244,002; Oct. 23; v. 243; p. 902.
- Teare, John W., Kiowa, Tex. Electric switch. No. 1,249,245; Dec. 4; v. 245; p. 237.
- Teare, Lillian G., Duluth, Minn. Legging. No. 1,219,507; Mar. 20; v. 236; p. 629.
- Tearney, John J., Toronto, and G. L. Alexander, Aurora, Ontario, Canada. Humidor. No. 1,220,376; Mar. 27; v. 236; p. 973.
- Teasck, Joseph J., Virginia, Minn. Bit. No. 1,216,628; Feb. 20; v. 235; p. 846.
- Teats, Alice A. (See Seymour, Glenn K., assignor.)
- Technicolor Motion Picture Corporation. (See Comstock, Daniel F., assignor.)
- Technicolor Motion Picture Corporation. (See Wescott, William B., assignor.)
- Techno-Chemical Laboratories Limited. (See Boberg, Söderlund, and Åslund, assignors.)
- Tecktonius, Emil C., assignor to E. C. Tecktonius Manufacturing Company, Racine, Wis. Lug for silos and the like. No. 1,212,420; Jan. 16; v. 234; p. 770.
- Teed, Charles E. (See Timmerhoff, Ernest, assignor.)
- Teed, Charles W., Sidney Center, assignor of one-half to J. A. Holley, Walton, N. Y. Surgical adhesive strip. No. 1,230,444; June 19; v. 239; p. 777.
- Teed, Charles W., Sidney Center, and J. A. Holley, Walton, N. Y. Surgical adhesive strip. No. 1,230,445; June 19; v. 239; p. 778.
- Teehan, John F., Brockton, Mass. Arch-supporting shoe and making same. No. 1,218,911; Mar. 13; v. 236; p. 396.
- Teel, John F., assignor to L. G. Fixen, Los Angeles, Cal. Auxiliary air and steam inlet valve for internal-combustion engines. No. 1,231,311; June 26; v. 239; p. 1107.
- Teel, Steward A., Bangor, Pa. Expanding brake-band guide. No. 1,245,065; Oct. 30; v. 243; p. 1260.
- Teepie, Edgar B., Minneapolis, Minn. Resilient wheel. No. 1,242,269; Oct. 9; v. 243; p. 294.
- Teesdale, Clyde H., Madison, Wis. Rendering lumber resistant to sap-stain. No. 1,248,711; Dec. 4; v. 245; p. 84.
- Teeter, Edgar A. (See Aaron and Teeter.)
- Teetor, Dan C., Hagerstown, Ind. Display apparatus. No. 1,224,512; May 1; v. 238; p. 142.
- Teetor, Ralph J. (See Howe and Teetor.)
- Teeyan, Charles L., Brooklyn, N. Y. Armor or reinforcement. No. 1,251,444; Dec. 25; v. 245; p. 1001.
- Tegoli, August, Santa Rosa, Cal., assignor to Tegoli Drying Apparatus Manufacturing Company. Drying-machine for alimentary pastes. No. 1,214,239; Jan. 30; v. 234; p. 1462.
- Tegoli Drying Apparatus Manufacturing Company. (See Tegoli, August, assignor.)
- Teichart, Ernst G., Duquesne, assignor of one-half to H. Howden, Homestead, Pa. Railway-tie plate. No. 1,237,259; Aug. 14; v. 241; p. 588.
- Teijelo, Justin M., New Orleans, La. Direction-indicating signal for motor-vehicles. No. 1,232,995; July 10; v. 240; p. 515.
- Teitelbaum, Israel. (See Bauman and Teitelbaum.)
- Teits, Chester A., Akron, Ohio. Etching-machine. No. 1,233,524; July 17; v. 240; p. 724.
- Tela, David E., assignor of one-half to F. H. Hinesley, two-eighths to A. Savoy, one-eighth to C. Dale, and one-eighth to J. Kemp, Los Angeles, Cal. Safety-razor. No. 1,238,069; Aug. 21; v. 241; p. 885.
- Telechronometer Company. (See Babcock, Garrison, assignor.)
- Teleelectric Company, The. (See Reed, Walter C., assignor.)
- Telephone Directory Cabinet Company. (See Enell, Otto E., assignor.)
- Temco-Electric Motor Company, The. (See Edwards, Oliver P., assignor.)
- Temco Manufacturing Company, The. (See Meier and Swift, assignors.)
- Templar Motors Corporation, The. (See Dean, Arthur M., assignor.)
- Temple, Eva M. (See Temple, James H. and E. M.)
- Temple, Grant, Cleveland, Ohio. Rotary engine. No. 1,218,716; Mar. 13; v. 236; p. 324.
- Temple, James H. and E. M., Portland, Ore. Abdominal support. No. 1,250,048; Dec. 11; v. 245; p. 499.
- Temple, Robert W., Cheboygan, Mich. Autographic sales-register. No. 1,212,584; Jan. 16; v. 234; p. 828.
- Templeman, Frank, Chicago, Ill. Fountain-brush. No. 1,228,847; June 5; v. 239; p. 162.
- Templeman, James A., Anamosa, Iowa. Lubricating device. No. 1,218,129; Mar. 6; v. 236; p. 84.
- Templeton, Allen A. (See Philp, Frederick D., assignor.)
- Templeton, William G., Colorado Springs, Colo. Dispensing-bin. No. 1,230,238; June 19; v. 239; p. 710.
- Ten Brook, Ezra C., Lander, Wyo. Button-fastener. No. 1,220,138; Mar. 20; v. 236; p. 853.
- Ten Eyck, Frank E., Auburn, N. Y., assignor to Air Device Manufacturing Company, Chicago, Ill. Starter mechanism for internal-combustion engines. No. 1,246,351; Nov. 13; v. 244; p. 391.
- Ten Eyck, Peter G., Albany, N. Y., assignor to The Rail Joint Company. Insulated rail-joint. (Reissue.) No. 14,362; Sept. 18; v. 242; p. 725.
- Tenca, Louis P., Cleveland, Ohio. Die-casting machine. No. 1,226,408; May 15; v. 238; p. 883.
- Tenckhoff, Bernhard. (See Altenkirch and Tenckhoff.)

- Teneau, Valentin C., New York, N. Y. Apparatus for drying photographic prints or the like. No. 1,227,092; May 22; v. 238; p. 1151.
- Tenent, Hubbard A., Chicago, Ill. Trousers-presser. No. 1,243,361; Oct. 16; v. 243; p. 671.
- Tengler, Frederick R., Schulenburg, Tex. Harrow. No. 1,218,338; Mar. 6; v. 236; p. 157.
- Tenholder, Herman G., assignor of one-half to Geo. W. Smyth Lumber Company, Beaumont, Tex. Form-holder and wail-tie. No. 1,224,810; May 1; v. 238; p. 246.
- Tenley, Oscar S., Dunbar, Wis. Folding table. No. 1,213,976; Jan. 30; v. 234; p. 1372.
- Tennant, George P., Frostburg, Md. Rail-brace. No. 1,223,300; Apr. 17; v. 237; p. 871.
- Tennant, Melbourne R., Colorado Springs, Colo. Apparatus for producing ozone. No. 1,218,817; Mar. 13; v. 236; p. 362.
- Tepler, Jacob, Brooklyn, N. Y. Slip-ring. No. 1,250,109; Dec. 11; v. 245; p. 516.
- Teresa, Antonio. (See Prieto, Teresa, and Goizueta.)
- Teresa, Antonio, assignor of one-third to M. Prieto and one-third to M. Goizueta, Habana, Cuba. Tire. No. 1,233,143; July 10; v. 240; p. 563.
- Terhaar, Aloysius S., San Diego, Cal. Safety appliance for ships. No. 1,227,093; May 22; v. 238; p. 1151.
- Terhune, Howard, assignor to Chambersburg Engineering Company, Chambersburg, Pa. Board drop-hammer. No. 1,246,182; Nov. 13; v. 244; p. 340.
- Terhune, Howard, assignor to Chambersburg Engineering Company, Chambersburg, Pa. Drop-hammer. No. 1,246,183; Nov. 13; v. 244; p. 341.
- Terhune, Howard, assignor to Chambersburg Engineering Company, Chambersburg, Pa. Drop-hammer. No. 1,246,184; Nov. 13; v. 244; p. 341.
- Terhune, Howard, assignor to Chambersburg Engineering Company, Chambersburg, Pa. Means for operating the rolls of a board drop-hammer. No. 1,246,185; Nov. 13; v. 244; p. 341.
- Ternestedt, Alvar K., assignor to Perfect Window Regulator Company, New York, N. Y. Tension-adjusting device for counterbalance-springs. No. 1,215,589; Feb. 13; v. 235; p. 424.
- Ternestedt, Alvar K., assignor to Perfect Window Regulator Company, New York, N. Y. Mechanically-operated window. No. 1,218,130; Mar. 6; v. 236; p. 84.
- Terracciano, Carmine, New York, N. Y. Key-cutting machine. No. 1,242,105; Oct. 2; v. 243; p. 202.
- Terrace, John, Grimsby, assignor to J. G. W. Aldridge, Westminster, London, England. Machine for stoking gas-retorts. No. 1,235,740; Aug. 7; v. 241; p. 67.
- Terrell, Albert C., Grand Rapids, Mich. Metallic cabinet. No. 1,238,215; Aug. 28; v. 241; p. 966.
- Terrell, Geo. A. (See Boynton, Willie A., assignor.)
- Terrell, Isaac H., and W. Schaum, Cambridge, Ohio. Decorating composition. No. 1,243,362; Oct. 16; v. 243; p. 672.
- Terrell, Joel, Seattle, Wash. Package-tie. No. 1,244,797; Oct. 30; v. 243; p. 1179.
- Terrisse, Henri, Geneva Switzerland, assignor to The Indestructible Paint Company, Limited, London, England. Manufacture of varnishes, paints, and other protective or coating preparations. No. 1,214,611; Feb. 6; v. 235; p. 45.
- Terrisse, Henri, Geneva, Switzerland, assignor of sixty one-hundredths to The Indestructible Paint Company, Limited, London, England, and forty one-hundredths to Ellis-Foster Company, Montclair, N. J. Esterified fossil resin and making same. No. 1,236,996; Aug. 14; v. 241; p. 506.
- Terry, Charles W., et al. (See Good and Tandy, assignors.)
- Terry, Edward, Brixton, England. Carriage-step. No. 1,227,218; May 22; v. 238; p. 1193.
- Terry, George E., San Francisco, Cal. Butter container and cutter. No. 1,213,433; Jan. 23; v. 234; p. 1157.
- Terry, George O., Minneapolis, Minn. Leather-skiving machine. No. 1,217,527; Feb. 27; v. 235; p. 1199.
- Terry, Henry E., Melrose, Pa. Means for treating seams of rugs. No. 1,234,233; July 24; v. 240; p. 988.
- Terry, John M., El Dorado, Ark., assignor to Eisenstadt Manufacturing Company, St. Louis, Mo. Article of jewelry. No. 1,215,428; Feb. 13; v. 235; p. 363.
- Terry, Michael A., assignor of one-half to J. Zotter, Milwaukee, Wis. Accelerator-pedal. No. 1,233,525; July 17; v. 240; p. 724.
- Terry, Nerl, Hardisty, Alberta, Canada. Aeroplane stabilizer or control. No. 1,214,612; Feb. 6; v. 235; p. 45.
- Terry, Nerl, assignor of one-half to J. G. Schuler, Hardisty, Alberta, Canada. Grain-car door. No. 1,216,013; Feb. 13; v. 235; p. 576.
- Terry, Samuel L., Chicago, Ill. Automobile-lock. No. 1,236,889; Aug. 14; v. 241; p. 470.
- Terry Steam Turbine Company, The. (See London and Allen, assignors.)
- Teruya, Zenshiro, New York, N. Y. Game apparatus. No. 1,245,820; Nov. 6; v. 244; p. 205.
- Tervo, Charley, Mack, assignor of one-third to O. E. Hulehan, Deer River, Minn. Wire staple. No. 1,241,054; Sept. 25; v. 242; p. 833.
- Terwelp, Johann, Neuss, Germany. Direct production of pure oxid of tin. No. 1,237,840; Aug. 21; v. 241; p. 812.
- Terzaghi, Louis, New York, N. Y. Combination-pilers. No. 1,222,489; Apr. 10; v. 237; p. 553.
- Terzich, John M., Amador City, Cal. Electric switch. No. 1,238,597; Aug. 28; v. 241; p. 1090.
- Terziev, George N. (See Jones and Terziev.)
- Teschner, Oscar. (See Falkenwalde, Oscar, assignor.)
- Teska, Emil, Racine, Wis. Button. No. 1,215,217; Feb. 6; v. 235; p. 256.
- Tesmer, Frederick L., Cleveland, assignor, by mesne assignments, to The Ashtabula Bow Socket Company, Ashtabula, Ohio. Top for vehicles. No. 1,246,352; Nov. 13; v. 244; p. 392.
- Tesse, Felix J. C., La Varenne, St. Hilaire, France, assignor of one-half to G. Mailloss, Eastbourne, England. Rotary-cylinder motor. No. 1,220,706; Mar. 27; v. 236; p. 1086.
- Tessier, Joseph D., Worcester, Mass. Combination letter-sheet and envelop. No. 1,220,474; Mar. 27; v. 236; p. 1008.
- Tessmer, Frederick P., Detroit, Mich. Clamp. No. 1,226,029; May 15; v. 238; p. 753.
- Testrup, Nils. (See Rigby, Thomas, assignor.)
- Testrup, Nils, London, England, and T. Rigby, Dumfries, Scotland, assignors to Wetcarbonizing Limited, London, England. Smelting. No. 1,233,144; July 10; v. 240; p. 563.
- Tetack, James. (See Setecka, John, assignor.)
- Teter, Charles K., assignor to The Teter Manufacturing Company, Cleveland, Ohio. Facial inhaler. No. 1,241,661; Oct. 30; v. 243; p. 1138.
- Teter Manufacturing Company, The. (See Teter, Charles K., assignor.)
- Tetrault, Eugene, assignor of one-fourth to Sheldon & Mathers, Bennington, Vt. Mobile frame and carrier for laundry-extractors. No. 1,234,509; July 24; v. 240; p. 1078.
- Tetrault, Philip O., Biddeford, Me. Loom-picker. No. 1,245,529; Nov. 6; v. 244; p. 117.
- Tettenborn, Charles, deceased, Cincinnati, Ohio; K. Tettenborn, administratrix, assignor to F. S. Mitchell, Beaver Falls, Pa. Refrigerator-lining. No. 1,224,235; May 1; v. 238; p. 42.
- Tettenborn, Charles, deceased, Cincinnati, Ohio; K. Tettenborn, administratrix, assignor to F. S. Mitchell, Beaver Falls, Pa. Refrigerator-lining. No. 1,224,236; May 1; v. 238; p. 43.
- Tettenborn, Kate, administratrix. (See Tettenborn, Charles.)
- Tétu, Joseph E., Lewiston, and W. E. Cutler, deceased, E. E. Cutler, administratrix, Auburn, Me., assignors to Draper Corporation, Hopedale, Mass. Beam-lock for looms. No. 1,233,282; July 10; v. 240; p. 606.
- Tetzlaff, Frank, New York, N. Y. Hatch-covering. No. 1,237,841; Aug. 21; v. 241; p. 813.
- Tetzlaff, Max, Lankwitz, Germany. Pin-ticket. No. 1,220,907; Mar. 27; v. 236; p. 1154.
- Tetzloff, Wilhelm, New Richland, Minn. Road grading and ditching plow. No. 1,212,421; Jan. 16; p. 234; p. 770.
- Tetzloff, Wilhelm, New Richland, Minn. Road grading and ditching plow. No. 1,213,434; Jan. 23; v. 234; p. 1158.
- Tevander, Olof N., Chicago, Ill. Closure-applying machine. No. 1,219,791; Mar. 20; v. 236; p. 728.
- Tevander, Olof N., Chicago, Ill. Dislodging-tool. No. 1,226,827; May 22; v. 238; p. 1059.
- Teven, Louis, assignor to E. S. Phillips, Brooklyn, N. Y. Sanitary garbage-can. No. 1,230,623; June 19; v. 239; p. 839.
- Teves, Frederick E., Glen Cove, N. Y. Salt-shaker pulverizer. No. 1,226,278; May 15; v. 238; p. 842.
- Teves, Frederick W., assignor of one-half to M. E. Green, New York, N. Y. Starting mechanism for internal-combustion engines. No. 1,216,376; Feb. 20; v. 235; p. 757.
- Tevis, Jesse J., Ford, Ky. Hog-feeder. No. 1,230,624; June 19; v. 239; p. 839.
- Tew, James D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making tire-casings. No. 1,242,073; Oct. 2; v. 243; p. 191.
- Tew, James D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making tire-casings. No. 1,242,270; Oct. 9; v. 243; p. 295.
- Tew, James D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Oven for drying cord. No. 1,245,066; Oct. 30; v. 243; p. 1261.
- Tew, James D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making hollow cord. No. 1,245,067; Oct. 30; v. 243; p. 1261.
- Telow, Bernard and S., Baltimore, Md. Cutter for removing hairs from cavities. No. 1,229,824; June 12; v. 239; p. 538.
- Telow, Solomon. (See Telow, Bernard and S.)
- Tewksbury, Charles B., Boston, Mass., assignor, by mesne assignments, to Safeguard Tag Company, Portland, Me. Tag. No. 1,239,844; Sept. 11; v. 242; p. 385.
- Texas Company, The, et al. (See Mack, John R., assignor.)
- Th. Goldschmidt Aktien-Gesellschaft. (See Kardos, Emanuel, assignor.)
- Thacker, William T., and C. C. Gosnell, Greenville, S. C. Adjustable warp-stop-motion drop-wire rack for looms. No. 1,226,409; May 15; v. 238; p. 883.
- Thackray, George E. (See Stewart and Thackray.)
- Thackray, George E., Westmont borough, Pa. Coke-oven construction. No. 1,211,502; Jan. 9; v. 234; p. 419.

- Thackray, George E., Westmont borough, Pa. Coke-oven. No. 1,211,503; Jan. 9; v. 234; p. 419.
- Thalhammer, Karl W. (See McGowen and Thalhammer.)
- Thalhammer, Karl W., Los Angeles, Cal. Electromagnetic controlling device for camera-shutters. No. 1,247,902; Nov. 27; v. 244; p. 913.
- Thalman, Laurie H., San Diego, Cal. Acetylene-gas generator. No. 1,241,680; Oct. 2; v. 243; p. 68.
- Thames Paper Company Limited. (See Fiske, William G., assignor.)
- Tharp, James G., Indianola, Iowa. Warmer for motor-cars. No. 1,241,782; Oct. 2; v. 243; p. 99.
- Tharp, Reason C., and P. G. Buckles, Osceola, Mo. Air-pressure-producing attachment for gasoline-tanks. No. 1,245,165; Nov. 6; v. 244; p. 7.
- Tharp, Wilber H., and A. T. Ellis, Lewiston, Idaho. Toilet article. No. 1,244,798; Oct. 30; v. 243; p. 1179.
- Thatcher, Carl W., et al. (See Cox, Eldridge A., assignor.)
- Thatcher, Charles F., Providence, R. I. Fastener for bottle-stoppers. No. 1,240,511; Sept. 18; v. 242; p. 633.
- Thatcher, Walter R., et al. (See Thiele, Adolph O., assignor.)
- Thayer, A. O. (See Duke, Henry R., assignor.)
- Thayer, Charles S., Middletown, N. Y. Straw-hat filler. No. 1,213,435; Jan. 23; v. 234; p. 1158.
- Thayer, Garrison C., Bartlesville, Okla. Beet digging and lifting machine. No. 1,215,745; Feb. 13; v. 235; p. 479.
- Thayer, Garrison C., Bartlesville, Okla. Beet-topping machine. No. 1,221,775; Apr. 3; v. 237; p. 268.
- Thayer, Henry W., New York, N. Y. Cushioning device for packing. No. 1,222,769; Apr. 17; v. 237; p. 692.
- Thayer, Homer A. (See Williams and Thayer.)
- Thayer, Marshall K., Red Rock, Mont. Rotary internal-combustion engine. No. 1,241,303; Sept. 25; v. 242; p. 915.
- Thayer, Marshall N., Newark, N. J. Can-opener. No. 1,246,491; Nov. 13; v. 244; p. 434.
- Thayer, Paul C., Quincy, Cal. Trap. No. 1,226,924; May 22; v. 238; p. 1092.
- Thayer, Walter E., Brooklyn, N. Y. Electromechanical toy. No. 1,230,625; June 19; v. 239; p. 840.
- Thayer, William H., Columbia, S. C. Hydrocarbon-burner. No. 1,228,376; May 29; v. 238; p. 1607.
- Theatre Vending Machine Corporation. (See Perrin, Roger W., assignor.)
- Theimer, Adolf, New York, N. Y. Envelop-fastener. No. 1,222,490; Apr. 10; v. 237; p. 553.
- Theiss, John H., Mount Vernon, N. Y. Supporting device. No. 1,211,895; Jan. 9; v. 234; p. 557.
- Theobald, W. S., et al. (See Cotton, Caleb, assignor.)
- Theodor Kundtz Company, The. (See Klino, Gustav, assignor.)
- Theodor Kundtz Company, The. (See Kundtz, Theodor, assignor.)
- Theriot, James C., Taft, Cal. Safety attachment for well-drilling tools. No. 1,212,848; Jan. 16; v. 234; p. 919.
- Theriot, James C., Taft, Cal. Adjustable journal-box. No. 1,219,192; Mar. 13; v. 236; p. 491.
- Theriot, James C., Taft, Cal. Gib and key for adjustable journal-boxes. No. 1,240,512; Sept. 18; v. 242; p. 633.
- Thermo Electric Regulator Co. (See Hynes, Lee P., assignor.)
- Theumann, Max. (See Koetschet and Theumann.)
- Thibodeau, Ralph W., Quincy, Mass. Signal for automobiles. No. 1,213,709; Jan. 23; v. 234; p. 1251.
- Thickett, Charles, and W. Hawksworth, Deepcar, near Sheffield, assignors to Samuel Fox & Company Limited, Sheffield, England. Rolling-mill. No. 1,239,743; Sept. 11; v. 242; p. 355.
- Thie, Charles H., and W. M. Butler, Toledo, Ohio. Internal-combustion engine. No. 1,211,008; Jan. 2; v. 234; p. 219.
- Thiebaut, Charles W. J., New York, N. Y. Cleaner for wind-shields. No. 1,249,246; Dec. 4; v. 245; p. 237.
- Thiel, Ervin R., Sheboygan, assignor to Gilson Manufacturing Company, Port Washington, Wis. Chair detail. No. 1,226,410; May 15; v. 238; p. 884.
- Thiel, Louis. (See Hagen and Thiel.)
- Thiele, Adolph O., assignor of one-fourth to H. Dixon and one-fourth to W. R. Thatcher, Dayton, Ohio. Holder for brooms and other articles. No. 1,246,492; Nov. 13; v. 244; p. 435.
- Thielges, Mike, Taunton, Minn. Runner attachment for vehicles. No. 1,251,445; Dec. 25; v. 245; p. 1001.
- Thiem, Edward A., St. Paul, Minn. Change-speed mechanism. No. 1,250,386; Dec. 18; v. 245; p. 638.
- Thieme, Otto, assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Ribbon-reversing mechanism. No. 1,245,637; Nov. 6; v. 244; p. 150.
- Thieme, Otto, assignor to Moon-Hopkins Billing Machine Company, St. Louis, Mo. Adding and listing machine. No. 1,249,554; Dec. 11; v. 245; p. 355.
- Thierner, Edmund J. H., New York, N. Y. Boring-tool. No. 1,251,133; Dec. 25; v. 245; p. 910.
- Thiesfeld, Fred G., Lorton, Nebr. Street-sweeper. No. 1,215,078; Feb. 6; v. 235; p. 209.
- Thippen, Kit V., assignor of one-half to S. Sandelin, Greensboro, N. C. Nut-lock. No. 1,246,353; Nov. 13; v. 244; p. 392.
- Thingstad, Ingvar A., Vergas, Minn. Fingering attachment for stringed instruments. No. 1,219,884; Mar. 20; v. 236; p. 761.
- Thirlwall, Vernon S., Ancon, assignor of one-half to E. S. Humber, Panama, Canal Zone. Adjustable mattress. No. 1,230,446; June 19; v. 239; p. 778.
- Thode, Albert, Hamburg, Germany. Automatic electric switch. No. 1,235,859; Aug. 7; v. 241; p. 108.
- Thofehn, Hermann G. C., Pittsburgh, Pa. Recovering valuable constituents of ores. No. 1,210,724; Jan. 2; v. 234; p. 120.
- Thole, Joseph J., Langford, S. D. Exhibitor. No. 1,231,455; June 26; v. 239; p. 1156.
- Thom, Peter R., Appleton, Wis. Means and process for refining paper-stock. No. 1,217,528; Feb. 27; v. 235; p. 1200.
- Thom, Peter R., assignor to Valley Iron Works Company, Appleton, Wis. Beating-engine. No. 1,229,545; June 12; v. 239; p. 445.
- Thoma, Andrew, Cambridge, Mass., assignor to North American Chemical Company, New York, N. Y. Apparatus for filling shoe-bottoms. No. 1,218,017; Mar. 6; v. 236; p. 45.
- Thoma, Andrew, Cambridge, Mass., assignor to North American Chemical Company, New York, N. Y. Apparatus for automatically filling shoe-bottoms. No. 1,224,428; May 1; v. 238; p. 114.
- Thoma, Andrew, Cambridge, Mass., assignor to North American Chemical Company, New York, N. Y. Machine for filling the bottoms of shoes. No. 1,225,372; May 8; v. 238; p. 490.
- Thoma, Andrew, Cambridge, Mass., assignor to North American Chemical Company, New York, N. Y. Filling shoes. No. 1,227,502; May 22; v. 238; p. 1285.
- Thoma, Andrew, Cambridge, Mass., assignor to North American Chemical Company, New York, N. Y. Shoe-filler. No. 1,227,696; May 29; v. 238; p. 1380.
- Thomas, Adelaide L., Brighton, England. Hose-supporter. No. 1,237,410; Aug. 21; v. 241; p. 676.
- Thomas, Albert W., Portland, Oreg. Combined weighing and packing machine. No. 1,246,354; Nov. 13; v. 244; p. 393.
- Thomas, Alfred J., Boston, Mass. Heel-clamping device. No. 1,251,134; Dec. 25; v. 245; p. 910.
- Thomas, Alonzo O., Rollinsville, Colo. Ore-separator. No. 1,222,491; Apr. 10; v. 237; p. 554.
- Thomas, Alta L., Weiser, Idaho. Combined planter and cultivator. No. 1,216,377; Feb. 20; v. 235; p. 757.
- Thomas & Armstrong Company, The. (See Armstrong, Martin B., assignor.)
- Thomas, Arthur, et al. (See Chase, Newton D., assignor.)
- Thomas & Betts Company. (See McMurtrie, Adnah, assignor.)
- Thomas, C. E., et al. (See Hicks, Claud J., assignor.)
- Thomas, Carl C., Madison, Wis. Meter. No. 1,218,717; Mar. 13; v. 236; p. 325.
- Thomas, Carl C., Madison, Wis. Fluid-meter. No. 1,222,492; Apr. 10; v. 237; p. 554.
- Thomas, Carl C., Baltimore, Md. Apparatus for cooling water and other liquids. No. 1,225,889; May 15; v. 238; p. 705.
- Thomas, Carl C., Baltimore, Md. Process and apparatus for spraying liquids and treating gases. No. 1,246,355; Nov. 13; v. 244; p. 393.
- Thomas, Carlyle W., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Sewing-machine cloth-presser. No. 1,234,965; July 31; v. 240; p. 1255.
- Thomas, Charles A., Birmingham, Ala., assignor of one-half to F. A. Mayer, Washington, D. C. Boiler-stay. No. 1,236,231; Aug. 7; v. 241; p. 227.
- Thomas, Charles F. W., Omaha, Nebr. Auxiliary stack-guide for paper-cutting machines. No. 1,251,454; Dec. 25; v. 245; p. 1004.
- Thomas, Charles H., York, Pa. Picture-hanger. No. 1,212,422; Jan. 16; v. 234; p. 770.
- Thomas, Charles J., Brooklyn, N. Y. Kite-trolley. No. 1,211,896; Jan. 9; v. 234; p. 557.
- Thomas, Charles O., Jr., Presidio, Monterey, Cal. Field-kitchen. No. 1,238,216; Aug. 28; v. 241; p. 966.
- Thomas, Charles W., and H. D. Orth, Madison, Wis. Adjusting mechanism for geometrical instruments and the like. No. 1,234,234; July 24; v. 240; p. 988.
- Thomas, Comadore C., Jr. (See Hoberg and Thomas.)
- Thomas, Edmund, Erie, Pa. Spring-suspension mechanism. No. 1,242,495; Oct. 9; v. 243; p. 365.
- Thomas, Edward, New York, N. Y. Paper. No. 1,243,780; Oct. 23; v. 243; p. 834.
- Thomas, Edward, assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,248,409; Nov. 27; v. 244; p. 1054.
- Thomas, Floyd L., Fonda, Iowa. Valve-grinding machine. No. 1,250,049; Dec. 11; v. 245; p. 499.
- Thomas Foreign Patents Limited. (See Thomas, John G. P., assignor.)
- Thomas, Franklin C., et al. (See Fahrney, John J., assignor.)
- Thomas, Frederick, Philadelphia, Pa., assignor to L. N. Littauer, Gloversville, N. Y. Sewing-machine attachment. No. 1,250,935; Dec. 18; v. 245; p. 803.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Candelabrum-socket. No. 1,215,079; Feb. 6; v. 235; p. 210.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Detachable attachment-plug. No. 1,216,883; Feb. 20; v. 235; p. 932.

- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Lamp-grip. No. 1,216,884; Feb. 20; v. 235; p. 932.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Face-plate for flush receptacles. No. 1,222,493; Apr. 10; v. 237; p. 555.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Electrical receptacle. No. 1,225,526; May 8; v. 238; p. 539.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Luminous pendant. No. 1,230,626; June 19; v. 239; p. 840.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric-lamp socket. No. 1,231,456; June 26; v. 239; p. 1156.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric fitting. No. 1,235,397; July 31; v. 240; p. 1384.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Lamp-socket. No. 1,239,317; Sept. 4; v. 242; p. 191.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Attachment-plug fitting. No. 1,245,068; Oct. 30; v. 243; p. 1261.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Pull-socket. No. 1,246,493; Nov. 13; v. 244; p. 435.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. No. 1,247,468; Nov. 20; v. 244; p. 754.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Electrical receptacle. No. 1,248,202; Nov. 27; v. 244; p. 996.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. No. 1,248,203; Nov. 27; v. 244; p. 996.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Attachment-plug. No. 1,249,247; Dec. 4; v. 245; p. 237.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Current-tap. No. 1,249,856; Dec. 11; v. 245; p. 445.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. No. 1,249,857; Dec. 11; v. 245; p. 445.
- Thomas, George H., Millville, N. J. Attachment for adding or calculating machines. No. 1,246,186; Nov. 13; v. 244; p. 342.
- Thomas, George J., assignor to Duplex Truck Co., Lansing, Mich. Variable-speed gearing. No. 1,234,966; July 31; v. 240; p. 1256.
- Thomas, George P., Glenshaw, Pa. Spacing-table machine. No. 1,245,530; Nov. 6; v. 244; p. 117.
- Thomas, George W., Red Oak, Iowa. Roller-bearing. No. 1,236,017; Aug. 7; v. 241; p. 160.
- Thomas, Guyer D., North Yakima, Wash. Chair-tray. No. 1,242,074; Oct. 2; v. 243; p. 192.
- Thomas, Hannah J. K., Jacksonville, Fla. Pillow. No. 1,211,257; Jan. 2; v. 234; p. 304.
- Thomas, Harry C., Philadelphia, Pa. Cuff-button. No. 1,220,908; Mar. 27; v. 236; p. 1154.
- Thomas, Henry V., Kirkwood, assignor to Killark Electric Manufacturing Company, St. Louis, Mo. Fuse-plug. No. 1,225,890; May 15; v. 238; p. 705.
- Thomas, Horace T., Lansing, Mich. Starter for internal-combustion engines. No. 1,224,042; Apr. 24; v. 237; p. 1164.
- Thomas, Horace T., Lansing, Mich. Cooling apparatus for automobiles. No. 1,241,681; Oct. 2; v. 243; p. 68.
- Thomas, J. R., *et al.* (See Hicks, Claud J., assignor.)
- Thomas, James, Tacoma, Wash. Machine for making cement pipes. No. 1,211,787; Jan. 9; v. 234; p. 516.
- Thomas, James F., Clarinda, Iowa. Bust-developer. No. 1,222,494; Apr. 10; v. 237; p. 555.
- Thomas, James R., Lexington, Tenn. Sling shot-gun. No. 1,235,398; July 31; v. 240; p. 1384.
- Thomas, John A., Zanesville, Ohio. Automobile fire-fighting apparatus. No. 1,251,303; Dec. 25; v. 245; p. 961.
- Thomas, John G. P., Chiswick, assignor to Thomas Foreign Patents Limited, London, England. Electric power transmission. No. 1,217,529; Feb. 27; v. 235; p. 1200.
- Thomas, John W. (See Anderson, Albert M., assignor.)
- Thomas, John W., Chicago, Ill. Anticreeping appliance. No. 1,227,858; May 29; v. 238; p. 1436.
- Thomas, John W., Chicago, Ill., assignor to The Thomas Railway Track Appliance Company. Rail-securing device. No. 1,227,855; May 29; v. 238; p. 1435.
- Thomas, John W., Chicago, Ill., assignor to The Thomas Railway Track Appliance Company. Railway foot-guard. No. 1,227,856; May 29; v. 238; p. 1436.
- Thomas, John W., Chicago, Ill., assignor to The Thomas Railway Track Appliance Company. Rail-holding device. No. 1,227,857; May 29; v. 238; p. 1436.
- Thomas, John W., Chicago, Ill., assignor to The Thomas Railway Track Appliance Company. Railway-track appliance. No. 1,227,859; May 29; v. 238; p. 1436.
- Thomas, Joseph A., Ridge, Colo. Strainer. No. 1,246,680; Nov. 13; v. 244; p. 490.
- Thomas, Joseph D., Pawhuska, Okla. Composite railway-tie. No. 1,248,752; Dec. 4; v. 245; p. 96.
- Thomas, Leo B., Port Chester, N. Y. Rotary engine. No. 1,216,378; Feb. 20; v. 235; p. 757.
- Thomas, Léon, La Magdaleine, near Soissons, assignor to Societe Les Fils de A. Piat & Cie., Paris, France. Molding-machine. No. 1,213,436; Jan. 23; v. 234; p. 1158.
- Thomas, Leslie A. (See Berryhill, Hand, and Thomas.)
- Thomas, Linzie S., Battelle district, W. Va. Quilting apparatus. No. 1,237,974; Aug. 21; v. 241; p. 855.
- Thomas Maddock's Sons Company. (See Kelly, John F., assignor.)
- Thomas, Martin E., assignor of one-fourth to J. H. Lott and one-fourth to I. A. Langston, Guymon, Okla. Wire-stretcher. No. 1,218,018; Mar. 6; v. 236; p. 45.
- Thomas, Merton S., New Rochelle, N. Y. Upright-piano action. No. 1,217,240; Feb. 27; v. 235; p. 1097.
- Thomas, Nelson, and A. W. Allen, Birmingham, Ala. Open-hearth furnace. No. 1,217,367; Feb. 27; v. 235; p. 1141.
- Thomas, Obed R., Rossie, Iowa. Truck. No. 1,230,341; June 19; v. 239; p. 745.
- Thomas-Oberkirch Company. (See Thomas, William M., assignor.)
- Thomas, Orrin M., Grant, Va. Padlock. No. 1,233,145; July 10; v. 240; p. 564.
- Thomas P. Taylor Co., The. (See Hammond, Myron B., assignor.)
- Thomas, Percy H., Upper Montclair, N. J. Electric insulator. No. 1,250,387; Dec. 18; v. 245; p. 639.
- Thomas, Percy H., Upper Montclair, assignor to Cooper Hewitt Electric Co., Hoboken, N. J. System of electrical distribution. No. 1,211,380; Jan. 2; v. 234; p. 342.
- Thomas, Percy H., Upper Montclair, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Vapor electric apparatus. No. 1,214,613; Feb. 6; v. 235; p. 46.
- Thomas, Percy H., Upper Montclair, assignor to Cooper Hewitt Electric Co., Hoboken, N. J. System of electrical distribution. No. 1,224,689; May 1; v. 238; p. 204.
- Thomas, Percy H., Upper Montclair, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Mercury-vapor apparatus. No. 1,235,741; Aug. 7; v. 241; p. 68.
- Thomas, Percy H., Upper Montclair, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. System of constant-current distribution. No. 1,235,742; Aug. 7; v. 241; p. 68.
- Thomas, Percy H., Upper Montclair, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. System of electrical distribution. No. 1,237,584; Aug. 21; v. 241; p. 731.
- Thomas Potter, Sons & Co. (See Wear, Joseph W., assignor.)
- Thomas Railway Track Appliance Company, The. (See Thomas, John W., assignor.)
- Thomas, Raymond M. and W. C., Jr., Savannah, Ga. Permutation-lock. No. 1,246,356; Nov. 13; v. 244; p. 393.
- Thomas, Reinhold, Brockport, N. Y. Piano sounding-board. No. 1,218,019; Mar. 6; v. 236; p. 45.
- Thomas, Reinhold, Brooklyn, N. Y. Phonograph. No. 1,229,346; June 12; v. 239; p. 377.
- Thomas, Samuel A., Seattle, Wash. Friction-clutch. No. 1,223,746; Apr. 24; v. 237; p. 1063.
- Thomas, Sidney. (See Peckham and Thomas.)
- Thomas, Sidney, and F. Stait-Gardner, London, England. Truck for railway and tramway vehicles. No. 1,242,075; Oct. 2; v. 243; p. 192.
- Thomas, Solomon, near New Cambria, assignor of one-half to N. A. Balding, C. Elam, and J. J. Williams, Ethel, Mo. Vehicle-wheel. No. 1,224,429; May 1; v. 238; p. 114.
- Thomas Steel Reinforcement Company. (See Obenauer, Frederick P., assignor.)
- Thomas, Victor W., assignor to C. L. Peyton, Chicago, Ill. Cinematograph. No. 1,229,673; June 12; v. 239; p. 487.
- Thomas, W. D., *et al.* (See Bates, William H., assignor.)
- Thomas, Wald H., Hensler, N. D. Auto-lamp. No. 1,217,664; Feb. 27; v. 235; p. 1249.
- Thomas, Walter, and A. E. Mainwaring, Nanaimo, British Columbia, Canada. Generating heat. No. 1,221,627; Apr. 3; v. 237; p. 218.
- Thomas, Walter K., Brooklyn, N. Y. Variable-speed transmission mechanism for automobiles. No. 1,239,541; Sept. 11; v. 242; p. 291.
- Thomas, Warren H. (See Richardson and Thomas.)
- Thomas, William B., Jacksonville, Fla. Steering device. No. 1,226,411; May 15; v. 238; p. 884.
- Thomas, William C., Jr. (See Thomas, Raymond M. and W. C., Jr.)
- Thomas, William E. (See Dillon, Friend E., assignor.)
- Thomas, William H., Sterling, Ill. Ambulance-cot. No. 1,242,496; Oct. 9; v. 243; p. 366.
- Thomas, William H., Miller, S. D. Tongue-truck for farm implements. No. 1,248,036; Nov. 27; v. 244; p. 949.
- Thomas, William J. (See Seymour, Oliver E., assignor.)
- Thomas, William M., assignor of fifty and one-half one-hundredths to F. Oberkirch, New York, N. Y. Coal-cutting machine. No. 1,226,412; May 15; v. 238; p. 884.
- Thomas, William M., assignor to Thomas-Oberkirch Company, Limited, New York, N. Y. Reeling apparatus for moving-picture cameras. No. 1,244,918; Oct. 30; v. 243; p. 1217.
- Thomas, William M., assignor, by mesne assignments, to Thomas-Oberkirch Company, Limited, New York, N. Y. Intermittent motion for moving pictures. No. 1,214,919; Oct. 30; v. 243; p. 1217.

Alphabetical list of patentees—Continued.

- Thomas, William M., assignor, by mesne assignments, to Thomas-Oberkirch Company, Limited, New York, N. Y. Method of feeding films. No. 1,244,920; Oct. 30; v. 243; p. 1217.
- Thomas, William S., Lock Haven, Pa. Lamp. No. 1,242,076; Oct. 2; v. 243; p. 192.
- Thomas, William S., assignor of one-half to J. E. Buzzard, Lock Haven, Pa. Spark-plug. No. 1,221,922; Apr. 10; v. 237; p. 354.
- Thomas, William S., assignor of one-half to J. E. Buzzard, Lock Haven, Pa. Spark-plug. No. 1,221,923; Apr. 10; v. 237; p. 354.
- Thomas, Willie D., Golden City, Mo. Head end and clevis. No. 1,241,451; Sept. 25; v. 242; p. 958.
- Thomas, Willis H., assignor of one-half to E. W. Lohse, Portland, Oreg. Air-cooling device. No. 1,218,782; Jan. 23; v. 234; p. 1275.
- Thomas Wrigley Company. (See Ahlander, Ernest H., assignor.)
- Thomaschewski, Paul, Opladen, near Cologne, Germany, assignor to Synthetic Patents Co., Inc., New York, N. Y. Urea and thiourea compounds. No. 1,218,656; Mar. 13; v. 236; p. 303.
- Thomason, John T., Warrington, England. Velvet, cord, and like pile cutting device. No. 1,222,495; Apr. 10; v. 237; p. 555.
- Thome, Anton, Glenwood Springs, Colo. Filtering apparatus. No. 1,218,818; Mar. 13; v. 236; p. 363.
- Thome, Leonard, Butte, Mont. Amusement device. No. 1,232,407; July 3; v. 240; p. 289.
- Thomson, Adolph A., Chicago, Ill. Blower. No. 1,242,077; Oct. 2; v. 243; p. 193.
- Thompson, Albert F., and H. T. Free, Kansas City, Mo. Indicating system for pneumatic conveyers. No. 1,221,924; Apr. 10; v. 237; p. 355.
- Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Cal. Pressure-cooker. No. 1,210,563; Jan. 2; v. 234; p. 65.
- Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Cal. Can-feed device. No. 1,238,217; Aug. 28; v. 241; p. 966.
- Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Cal. Combined cooker and cooler. No. 1,241,168; Sept. 25; v. 242; p. 869.
- Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Cal. Cooker. No. 1,250,244; Dec. 18; v. 245; p. 596.
- Thompson, Albert W., Fitchburg, and E. W. Comfort, Winchester, assignors to The G. M. Parks Company, Fitchburg, Mass. Humidity-controlling apparatus. No. 1,228,718; June 5; v. 239; p. 117.
- Thompson, Alfred, Detroit, Mich., assignor of fifty-one one-hundredths to L. E. Beaman, Providence, R. I. Carbureter. No. 1,243,897; Oct. 23; v. 243; p. 871.
- Thompson, Alfred H., Venice, Cal. Hot-water pressure combined domestic and heating system. No. 1,240,101; Sept. 11; v. 242; p. 464.
- Thompson, Alfred H., Venice, Cal. Regulator. No. 1,240,102; Sept. 11; v. 242; p. 465.
- Thompson, Alfred H., Venice, Cal. Hot-water heating system. No. 1,246,681; Nov. 13; v. 244; p. 490.
- Thompson, Alfred H., Venice, Cal. Adjustable non-flash gas-burner. No. 1,246,682; Nov. 13; v. 244; p. 491.
- Thompson, Allison J., Cleveland, Ohio. Lamp-hanger. No. 1,223,532; Apr. 24; v. 237; p. 988.
- Thompson, Allison J., Cleveland, Ohio. Lamp-hanger. No. 1,237,411; Aug. 21; v. 241; p. 676.
- Thompson, Anton, Pelican Rapids, Minn. Reach structure for vehicles. No. 1,223,446; Apr. 24; v. 237; p. 955.
- Thompson, Arthur J., Argyle, Mich. Cow-tail holder. No. 1,224,237; Mar. 1; v. 238; p. 44.
- Thompson, Arthur W., Ottawa, Ontario, Canada. Vaporizer and igniter for internal-combustion engines. No. 1,223,124; Apr. 17; v. 237; p. 814.
- Thompson, Belle D., Fort Gay, W. Va. Mattress and spring. No. 1,214,970; Feb. 6; v. 235; p. 171.
- Thompson, Benjamin H., *et al.* (See Icenhour, Albert A., assignor.)
- Thompson, Boyd S., Grand Rapids, Mich. Square-gage. No. 1,230,627; June 19; v. 239; p. 840.
- Thompson, Charles B., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Automatic draft control. No. 1,221,008; Mar. 27; v. 236; p. 1187.
- Thompson, Charles F., Washington, D. C. Counting device. No. 1,236,787; Aug. 14; v. 241; p. 440.
- Thompson, Charles T. (See Ness and Thompson.)
- Thompson, Charles T., Philadelphia, Pa. End-support for rods. No. 1,227,019; May 22; v. 238; p. 1126.
- Thompson, Clarence L., Port Washington, N. Y., assignor to Hale and Kilburn Company, Philadelphia, Pa. Car-seat. No. 1,216,885; Feb. 20; v. 235; p. 932.
- Thompson, Charles T., Philadelphia, Pa. Support for rods. No. 1,227,020; May 22; v. 238; p. 1126.
- Thompson, Charles W., Calgary, Alberta, Canada. Weed-destroying machine. No. 1,234,581; July 24; v. 240; p. 1101.
- Thompson, David O., *et al.* (See Lendner, Augustus R., assignor.)
- Thompson, Drewdie R. (See Middleton and Thompson.)
- Thompson, Earl E., Winnipeg, Manitoba, Canada. Sheaf-loader. No. 1,227,343; May 22; v. 238; p. 1233.
- Thompson, Edward G., and C. B. Kennard, Battle Creek, Mich.; said Kennard assignor to said Thompson. Pipe-coupling. No. 1,238,218; Aug. 28; v. 241; p. 967.
- Thompson, Edward R., assignor to St. Louis Tin and Sheet Metal Co., St. Louis, Mo. Pouring-spout. No. 1,223,533; Apr. 24; v. 237; p. 988.
- Thompson, Edward R., assignor to St. Louis Tin & Sheet Metal Working Co., St. Louis, Mo. Grease-gun. No. 1,236,232; Aug. 7; v. 241; p. 227.
- Thompson Electric Clock Company. (See Thompson, William H., assignor.)
- Thompson, Emery, New Rochelle, N. Y. Ice-cream freezer. No. 1,232,122; July 3; v. 240; p. 199.
- Thompson, Emmett G., Brighton, Colo. Fly-screen. No. 1,240,627; Sept. 18; v. 242; p. 667.
- Thompson, Eugene W., New London, Conn. Gun-silencer and recoil-reducer. No. 1,229,675; June 12; v. 239; p. 488.
- Thompson, Eustis H., Baltimore, Md. Erasing attachment for type-writers. No. 1,232,996; July 10; v. 240; p. 515.
- Thompson, Everett L., Dover, N. J., assignor to Sypho-Chemical Sprinkler Corporation, Croton-on-Hudson, N. Y. Automatic fire-extinguishing apparatus. No. 1,245,134; Oct. 30; v. 243; p. 1281.
- Thompson, Everett L., Dover, N. J., assignor to Sypho-Chemical Sprinkler Corporation, Croton-on-Hudson, N. Y. Automatic sprinkler apparatus. No. 1,246,798; Nov. 13; v. 244; p. 525.
- Thompson, Frank E. (See Watson, Harry E., assignor.)
- Thompson, Frank T., Chicago, Ill. Making electrotype plates or metallic shells. No. 1,210,872; Jan. 2; v. 234; p. 169.
- Thompson, Frank W. (See Foreman, Ira, assignor.)
- Thompson, Fredrick B., Chicago, Ill. Film-tape-treating apparatus. No. 1,244,258; Oct. 23; v. 243; p. 978.
- Thompson, George, *et al.* (See Ellenburg, Joe N., assignor.)
- Thompson, George, New York, N. Y. Hanger for pictures and mirrors. No. 1,224,513; May 1; v. 238; p. 143.
- Thompson, George, assignor to The Autocall Company, Shelby, Ohio. Portable switchboard. No. 1,230,946; June 26; v. 239; p. 984.
- Thompson, George F., assignor of one-tenth to J. Ellenberg, one-tenth to G. H. Province, two-tenths to J. F. Dulaney, and two-tenths to J. Thompson, McKinney, Tex. Method and apparatus for handling seed-cotton. No. 1,242,271; Oct. 9; v. 243; p. 295.
- Thompson, George K., New York, N. Y. Car-truck. No. 1,211,789; Jan. 9; v. 234; p. 517.
- Thompson, George W. (See Wilder, Charles, assignor.)
- Thompson, Gustave R. (See Dessez and Thompson.)
- Thompson, Gustavus E. (See Carson and Thompson.)
- Thompson, Harrison G., Glen Ridge, N. J., assignor to The Safety Car Heating & Lighting Company. Electric switch. No. 1,215,590; Feb. 13; v. 235; p. 425.
- Thompson, Harry I., *et al.* (See Benson and Sandstrom, assignors.)
- Thompson, Harry J., New York, N. Y. Molding apparatus. No. 1,234,418; July 24; v. 240; p. 1050.
- Thompson, Harry J., New York, N. Y. Molding apparatus. No. 1,234,419; July 24; v. 240; p. 1050.
- Thompson, Henry A., Withington, Manchester, England. Actuating signals on and communicating with trains. No. 1,227,021; May 22; v. 238; p. 1126.
- Thompson, Henry C., assignor to The Hall-Thompson Company, Hartford, Conn. Automobile-top patch. No. 1,211,642; Jan. 9; v. 234; p. 467.
- Thompson, Henry H., Columbus, Ga. Driving-box. No. 1,220,909; Mar. 27; v. 236; p. 1154.
- Thompson, Herbert H., Aldridge, and A. E. Davies, Hockley Heath, England. Ore-separating machine. No. 1,224,580; May 1; v. 238; p. 166.
- Thompson, Herbert L., Elgin, Ill., assignor to The Maytag Company, Newton, Iowa. Deflooder for internal-combustion engines. No. 1,233,526; July 17; v. 240; p. 724.
- Thompson, James L., and H. A. Murray, Greensburg, Pa. Automatic cut-off valve and pressure-regulator. No. 1,234,420; July 24; v. 240; p. 1050.
- Thompson, James T., Chicago, Ill. Train control and signal system. No. 1,232,123; July 3; v. 240; p. 199.
- Thompson, James V., New Haven, Conn. Clothes-rack. No. 1,219,885; Mar. 20; v. 236; p. 761.
- Thompson, James V., assignor of one-fourth to C. A. Crislip and one-half to J. D. Russ, Spencer, W. Va. Oil-well-drilling apparatus. No. 1,225,891; May 15; v. 238; p. 705.
- Thompson, Jesse E., assignor to R. W. Morris Manufacturing Company, Kansas City, Mo. Block for oiling-mops. No. 1,212,423; Jan. 16; v. 234; p. 771.
- Thompson, Jim, *et al.* (See Ellenburg, Joe N., assignor.)
- Thompson, Jim, *et al.* (See Thompson, George F., assignor.)
- Thompson, Jim and R. J., Elk Grove, Cal. Detector. No. 1,245,135; Oct. 30; v. 243; p. 1282.
- Thompson, John A., Avery, assignor to D. O'Donnell and G. P. Hippee, Des Moines, Iowa. Vaporizer. No. 1,231,811; July 3; v. 240; p. 93.
- Thompson, John C., Cincinnati, Ohio. Wringer-support. No. 1,222,161; Apr. 10; v. 237; p. 437.

- Thompson, John C., Cincinnati, Ohio. Gearing device for washing-machines. No. 1,235,509; July 31; v. 240; p. 1418.
- Thompson, John J., Attica, Ark. Hay-press. No. 1,248,753; Dec. 4; v. 245; p. 96.
- Thompson, John M., Buffalo, N. Y. Sand-spreading device. No. 1,212,849; Jan. 16; v. 234; p. 919.
- Thompson, John M., Buffalo, N. Y. Sewer-cleaner. No. 1,218,912; Mar. 13; v. 236; p. 396.
- Thompson, Joseph F., Brooklyn, N. Y. Kitchen utensil. No. 1,214,388; Jan. 30; v. 234; p. 1516.
- Thompson, Katherine A., Milwaukee, Wis. Water-cooled refrigerator. No. 1,228,077; May 29; v. 238; p. 1511.
- Thompson, Lee S., Brooklyn, N. Y., assignor to Simultaneous Dyeing & Drying Co., Inc. Machine for dyeing hanks and fabrics. No. 1,236,788; Aug. 14; v. 241; p. 440.
- Thompson, Lewis H., California, Mo. Shingle-car. No. 1,214,094; Jan. 30; v. 234; p. 1413.
- Thompson, Lewis P., Minneapolis, Minn. Floor-scraper. No. 1,241,577; Oct. 2; v. 243; p. 36.
- Thompson, Louis W., Wilkensburg, Pa., assignor to General Electric Company. Regulator. No. 1,251,446; Dec. 25; v. 245; p. 1002.
- Thompson, Luther C., Washington, D. C. Mechanical movement. No. 1,238,361; Aug. 23; v. 241; p. 1014.
- Thompson, Luther C., Washington, D. C., assignor of seven-sixteenths to F. Franz, Baltimore, Md. Mechanical movement. No. 1,233,619; July 17; v. 240; p. 757.
- Thompson, Marshall F., and A. L. Townsend, Washington, D. C.; said Townsend assignor to said Thompson. Voting apparatus. No. 1,219,053; Mar. 13; v. 236; p. 444.
- Thompson, Merwin S., Painesville, assignor, by mesne assignments, to The White Motor Company, Cleveland, Ohio. Motor-truck-loading mechanism. No. 1,247,034; Nov. 20; v. 244; p. 629.
- Thompson, Nelson W., Oakland, assignor to Simplex Refining Company, San Francisco, Cal. Pump. No. 1,250,050; Dec. 11; v. 245; p. 500.
- Thompson, Oscar E., Hadlock, Wash. Feathering paddle-wheel. No. 1,225,287; May 8; v. 238; p. 458.
- Thompson, Owen A. (See Overly and Thompson.)
- Thompson, Ralph E., Brookline, Mass. Indicating mechanism. No. 1,225,527; May 8; v. 238; p. 539.
- Thompson, Reuben B., Cohoes, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Loop-retainer for sewing-machines. No. 1,244,921; Oct. 30; v. 243; p. 1218.
- Thompson, Richard B., Allerton, Ill. Non-skidding tire-armor. No. 1,242,078; Oct. 2; v. 243; p. 193.
- Thompson, Ross R. (See Stubblefield and Thompson.)
- Thompson, Roy J. (See Thompson, Jim and R. J.)
- Thompson, Samuel S., and E. J. Le Blond, Minneapolis, Minn. Electric-switch guard. No. 1,247,180; Nov. 20; v. 244; p. 672.
- Thompson, Scott, Potlatch, Idaho. Tool. No. 1,226,413; May 15; v. 238; p. 885.
- Thompson, Thomas A., assignor of one-half to P. J. Quinn, Butte, Mont. Envelop-sealing means. No. 1,218,494; Mar. 6; v. 236; p. 208.
- Thompson, Uldrie, Jr., New York, N. Y. Boring apparatus. No. 1,238,862; Aug. 28; v. 241; p. 1014.
- Thompson, Van, Salt Lick, Ky. Poultry-fountain. No. 1,224,043; Apr. 24; v. 237; p. 1164.
- Thompson, Victor, Vancouver, British Columbia, Canada. Telephone-call-registering device. No. 1,229,347; June 12; v. 239; p. 377.
- Thompson, Victor, Vancouver, British Columbia, Canada. Telephone-call-registering device. No. 1,229,348; June 12; v. 239; p. 377.
- Thompson, Victor, Vancouver, British Columbia, Canada. Telephone-call-registering device. No. 1,233,620; July 17; v. 240; p. 757.
- Thompson, Wade B., Detroit, Mich. T-head construction. No. 1,245,821; Nov. 6; v. 244; p. 206.
- Thompson, Walter, Engle, N. Mex. Mattress. No. 1,227,022; May 22; v. 238; p. 1127.
- Thompson, Wilfred. (See Morrison and Thompson.)
- Thompson, William, Salt Lake City, Utah. Animal-trap. No. 1,249,248; Dec. 4; Gaz. vol. 245; p. 237.
- Thompson, William, Detroit, Mich., assignor to Morgan & Wright. Tire-builder's tool. No. 1,250,947; June 26; v. 239; p. 984.
- Thompson, William A., Walkerton, Ontario, Canada. Potato-digging attachment for plows. No. 1,243,898; Oct. 23; v. 243; p. 872.
- Thompson, William D., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car-roof. No. 1,237,412; Aug. 21; v. 241; p. 677.
- Thompson, William D., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car-roof. No. 1,247,743; Nov. 27; v. 244; p. 867.
- Thompson, William G., Denver, Colo. Burial-casket. No. 1,238,219; Aug. 28; v. 241; p. 967.
- Thompson, William H. (See Jackson and Davis, assignors.)
- Thompson, William H., assignor to Thompson Electric Clock Company, Memphis, Tenn. Electric automobile-clock. No. 1,241,055; Sept. 25; v. 242; p. 834.
- Thompson, William L., Stoneham, assignor of one-fourth to A. M. Lux, one-fourth to W. J. Lux, and one-fourth to P. J. Higgins, Woburn, Mass. Treering-iron. No. 1,231,457; June 26; v. 239; p. 1156.
- Thompson, William O., Buffalo, and R. H. Parks, East Rochester, N. Y. Underframe for cars. No. 1,248,037; Nov. 27; v. 244; p. 949.
- Thompson, William S., Sinking Spring, Pa. Wall-paper protector. No. 1,213,977; Jan. 30; v. 234; p. 1372.
- Thompson, William T. (See Bryan, Edgar J., assignor.)
- Thomson, Carl E., Berkeley, Cal. Steering-wheel lock. No. 1,248,204; Nov. 27; v. 244; p. 996.
- Thomson, Christian, Hartford, Kans. Gig-saddle. No. 1,221,628; Apr. 3; v. 237; p. 218.
- Thomson, Jörgen E., assignor to The Joseph Dixon Crucible Company, Jersey City, N. J. Electrode and making the same. No. 1,243,009; Oct. 16; v. 243; p. 565.
- Thomson, Max, Chicago, Ill. Child's vehicle. No. 1,211,897; Jan. 9; v. 234; p. 557.
- Thomson, Thomas C., Purley, England. Force-feed lubricator. No. 1,233,935; July 17; v. 240; p. 857.
- Thomson, Albert R. (See Rinfrett, Napoleon, assignor.)
- Thomson, Albert R., Plantsville, Conn. Pickax. No. 1,244,662; Oct. 30; v. 243; p. 1139.
- Thomson, Alexander, Lake Charles, La. Multiple-expansion rotary steam-engine, water-wheel, and gasolene-engine muffler. No. 1,238,457; Aug. 28; v. 241; p. 1046.
- Thomson, Alexander, Fitchburg, Mass. Safety trace connection. No. 1,241,304; Sept. 25; v. 242; p. 915.
- Thomson, Alexander, Fitchburg, Mass. Horse-collar. No. 1,241,305; Sept. 25; v. 242; p. 915.
- Thomson, Charles A., assignor to D. Mellis, Belleville, N. Y. Dough-molding machine. No. 1,242,079; Oct. 2; v. 243; p. 193.
- Thomson, Christian, Colville, Wash. Sketching and drawing apparatus. No. 1,218,964; Mar. 13; v. 236; p. 413.
- Thomson, Christian, Colville, Wash. Drafting apparatus. No. 1,227,978; May 29; v. 238; p. 1478.
- Thomson Electric Welding Company. (See Pierce, Robert C., assignor.)
- Thomson Electric Welding Company. (See Thomson, Roland D., assignor.)
- Thomson, Elihu, Swampscott, assignor, by mesne assignments, to Thomson Spot Welder Company, Boston, Mass. Combined spot and butt welder. No. 1,220,997; Mar. 27; v. 236; p. 1183.
- Thomson, Frederick M., Atlanta, Ga. Detachable shoe-heel. No. 1,215,080; Feb. 6; v. 235; p. 210.
- Thomson, Henry C., Boston, and H. N. Michaelsen, Canton, Mass., assignors, by mesne assignments, to Samson Electric Company. Vibrator for induction-coils. No. 1,216,379; Feb. 20; v. 235; p. 758.
- Thomson, John, New York, N. Y., assignor to John Thomson Press Company, Jersey City, N. J. Electric furnace for fusing metals. No. 1,214,841; Feb. 6; v. 235; p. 123.
- Thomson, John, New York, N. Y., assignor to John Thomson Press Company, Jersey City, N. J. Electric zinc-distilling furnace and condenser for producing blue powder. No. 1,214,842; Feb. 6; v. 235; p. 123.
- Thomson, John, New York, and F. A. J. Fitz Gerald, Niagara Falls, N. Y., assignors to John Thomson Press Company, Jersey City, N. J. Condenser in the metallurgy of zinc. No. 1,219,193; Mar. 13; v. 236; p. 491.
- Thomson, John, New York, and F. A. J. Fitz Gerald, Niagara Falls, N. Y., assignors to John Thomson Press Company, Jersey City, N. J. Electric zinc-distilling furnace. No. 1,219,194; Mar. 13; v. 236; p. 491.
- Thomson, John S., Little Falls township, Passaic county, N. J., assignor to The Jardine Manufacturing Corporation, New York, N. Y. Fire-extinguishing device. No. 1,233,289; July 10; v. 240; p. 608.
- Thomson, John S., Little Falls township, Passaic county, N. J., assignor to The Jardine Manufacturing Corporation, New York, N. Y. Fire-extinguishing device. No. 1,233,290; July 10; v. 240; p. 608.
- Thomson, McLeod, Atlantic City, N. J., assignor to The Rail Joint Company, New York, N. Y. Rail-joint support and fastening. No. 1,229,674; June 12; v. 239; p. 488.
- Thomson, Roland D., Schenectady, N. Y., assignor to Thomson Electric Welding Company, Lynn, Mass. Electric welding. No. 1,225,373; May 8; v. 238; p. 490.
- Thomson Spot Welder Company. (See Lachman, Laurence S., assignor.)
- Thomson Spot Welder Company. (See Thomson, Elihu, assignor.)
- Thomson, William B., Chicago, Ill. Fluid heating and pressure generation. No. 1,236,623; Aug. 14; v. 241; p. 384.
- Thomson, William S., assignor to The H. D. Smith & Company, Plantsville, Conn. Gas-pliers. No. 1,216,886; Feb. 20; v. 235; p. 933.
- Thomson, William S., assignor to The H. D. Smith & Company, Plantsville, Conn. Valve-spring lifter. No. 1,243,010; Oct. 16; v. 243; p. 556.
- Thou, Simon. (See Martiny and Thou.)
- Thoner, Peder C., Everett, Mass. Locking-switch. No. 1,238,845; Sept. 4; v. 242; p. 40.
- Thoner, Peder C., Everett, Mass. Locking-switch. No. 1,239,062; Sept. 4; v. 242; p. 109.
- Thordarson, Chester H., Chicago, Ill. Coil structure for electromagnetic devices. No. 1,215,429; Feb. 13; v. 235; p. 363.
- Thordarson, Chester H., Chicago, Ill. Insulated terminal for transformers and the like. No. 1,215,430; Feb. 13; v. 235; p. 363.

Alphabetical list of patentees—Continued.

- Thordarson, Chester H., Chicago, Ill. Machine for making insulating elements. No. 1,220,377; Mar. 27; v. 236; p. 973.
- Thordarson, Chester H., Chicago, Ill. Machine for making insulating elements. No. 1,220,378; Mar. 27; v. 236; p. 973.
- Thorell, Swan O., Denver, Colo. Combined steering-wheel and lock for motor-vehicles. No. 1,238,598; Aug. 28; v. 241; p. 1091.
- Thoreson, Eddie H., Climax, Minn. Plow. No. 1,232,997; July 10; v. 240; p. 515.
- Thorkildsen, Thomas. (See Stewart and McKenna, assignors.)
- Thorn, Oscar F., assignor to Gulbrandsen-Dickinson Company, Chicago, Ill. Portable planing-machine. No. 1,243,460; Oct. 16; v. 243; p. 700.
- Thorn, Thomas E., Bandon, Oreg. Cover-holder for ironing-boards. No. 1,217,368; Feb. 27; v. 235; p. 1141.
- Thornberg, Royden. (See Sorensen and Thornberg.)
- Thornberg, Royden, San Francisco, Cal. Electric disinfectant and deodorizer. No. 1,230,342; June 19; v. 239; p. 745.
- Thornblad, Thor G., K. H. Warfvinge, and V. G. Werner, Stockholm, Sweden. Inductive wireless-telephone system for railways and the like. No. 1,216,887; Feb. 20; v. 235; p. 933.
- Thornburgh, Ivan D., Oakland, assignor to American Can Company, San Francisco, Cal. Automatic weighing mechanism. No. 1,247,903; Nov. 27; v. 244; p. 913.
- Thornbury, D. L. (See Pratt, Walter E., assignor.)
- Thorne, Charles S., assignor to The Thorne Hold-Fast Metal Bar Company, Troy, N. Y. Store-front construction. No. 1,232,869; July 10; v. 240; p. 475.
- Thorne, Edward A. (See Rossiter and Thorne.)
- Thorne, Frank S., Portland, Oreg. Fireplace and back. No. 1,250,712; Dec. 18; v. 245; p. 736.
- Thorne, Harold, New York, assignor, by mesne assignments, to W. H. Putnam, Brooklyn, N. Y. Antiskid device for automobiles, &c. No. 1,236,499; Aug. 14; v. 241; p. 844.
- Thorne, Harold, New York, assignor, by mesne assignments, to W. H. Putnam, Brooklyn, N. Y. Antiskid device for automobiles, &c. No. 1,236,500; Aug. 14; v. 241; p. 844.
- Thorne Hold-Fast Metal Bar Company, The. (See Thorne, Charles S., assignor.)
- Thorne, Walther, Berlin, Germany. Optometer of the Scheiner system. No. 1,235,170; July 31; v. 240; p. 1316.
- Thornley, Fred C., Baltimore, Md., assignor to International Conveyor Corporation, New York, N. Y. Belt conveyor. No. 1,251,185; Dec. 25; v. 245; p. 911.
- Thornton, Charles W., assignor, by mesne assignments, of one-half to Standardized Products Company, one-fourth to E. C. Ladd, and one-fourth to H. Howard, Chicago, Ill. Disinfecting device for flush-tanks. No. 1,213,978; Jan. 30; v. 234; p. 1373.
- Thornton, Frank, Jr. (See Abtmeyer and Thornton.)
- Thornton, Frank, Jr., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric heating apparatus. No. 1,241,578; Oct. 2; v. 243; p. 36.
- Thornton, George L., Huntington, W. Va. Electric welding-tool. No. 1,211,009; Jan. 2; v. 234; p. 219.
- Thornton, John E., West Hampstead, London, assignor to J. O. O'Brien, Manchester, England. Photographic-printing apparatus. No. 1,213,037; Jan. 16; v. 234; p. 985.
- Thornton, John E., West Hampstead, London, assignor to J. O. O'Brien, Manchester, England. Film for motion-pictures and making the same. No. 1,213,038; Jan. 16; v. 234; p. 986.
- Thornton, John E., Rochester, N. Y., assignor to J. O. O'Brien, Manchester, England. Apparatus for producing photographic pictures. No. 1,223,447; Apr. 24; v. 237; p. 955.
- Thornton, John E., Rochester, N. Y., assignor to J. O. O'Brien, Manchester, England. Film for motion pictures. No. 1,229,546; June 12; v. 239; p. 445.
- Thornton, John E., Rochester, N. Y., assignor to J. O. O'Brien, Manchester, England. Making cinematograph color-films. No. 1,245,822; Nov. 6; v. 244; p. 206.
- Thornton, John E., Rochester, N. Y., assignor to J. O. O'Brien, Manchester, England. Film for use in color cinematography. No. 1,250,713; Dec. 18; v. 245; p. 736.
- Thornton, John N., Jersey City, N. J., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Computing-machine. No. 1,228,148; May 29; v. 238; p. 1533.
- Thornton, John N., Jersey City, N. J., assignor, by mesne assignments, to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,238,055; Aug. 21; v. 241; p. 880.
- Thornton, Ray, assignor to G. H. H. Allen, New Bedford, Mass. Section-beam head. No. 1,239,744; Sept. 11; v. 242; p. 355.
- Thorp, August, Baum, assignor of one-third to O. L. Lindquist, Kelliher, Minn. Folding cot and stretcher. No. 1,231,220; June 26; v. 239; p. 1078.
- Thorp, Eddie D., Dodge City, Kans. Pneumatic feeder for threshing-machines or the like. No. 1,210,564; Jan. 2; v. 234; p. 65.
- Thorp, James M., Alameda, Cal. Explosion oil-engine. No. 1,247,904; Nov. 27; v. 244; p. 914.
- Thorp, Lambert, Detroit, Mich. Hypnotic bodies. No. 1,237,413; Aug. 21; v. 241; p. 677.
- Thorsby, Karl J., assignor to California Corrugated Culvert Company, Oakland, Cal. Flume. No. 1,219,681; Mar. 20; v. 236; p. 690.
- Thorsell, Esther E., Kansas City, Mo. Receptacle. No. 1,245,399; Nov. 6; v. 244; p. 77.
- Thorson, Guy S., assignor, by mesne assignments, to Murphy-Travis Company, Minneapolis, Minn. Holder for flexible sheets. No. 1,241,306; Sept. 25; v. 242; p. 916.
- Thorswik, Angell B., Cleveland, Ohio. Lubricating compound. No. 1,249,249; Dec. 4; v. 245; p. 238.
- Thos. Cusack Company. (See Friis, John, assignor.)
- Thos. E. Wilson & Co. (See Healey, Thomas F., assignor.)
- Thos. H. Dallett Co. (See Van Sickel, Wilber H., assignor.)
- Thowless, Arthur J. (See Thowless, Orlando M., assignor.)
- Thowless, Orlando M., assignor of one-half to A. J. Thowless, Newark, N. J. Ductile filament. No. 1,226,925; May 22; v. 238; p. 1092.
- Thrasher, Alvin, and J. B. Ozbirn, Iona, Okla. Brake-shoe and wear-plate. No. 1,219,195; Mar. 13; v. 236; p. 492.
- Thrasher, Henry W. G., Carrollton, Ala. Wagon-brake. No. 1,249,250; Dec. 4; v. 245; p. 238.
- Throckmorton, Charles L., San Francisco, Cal. Automatic center-punch. No. 1,225,191; May 8; v. 238; p. 426.
- Throckmorton, Harry S., assignor of one-half to R. E. Reed, Muskogee, Okla. Paint-brush protector. No. 1,239,638; Sept. 11; v. 242; p. 321.
- Throckmorton, Ray, Philadelphia, Pa. Automobile-fender. No. 1,212,850; Jan. 16; v. 234; p. 920.
- Thronson, Bartholomew C., Racine, Wis. Wind-shield cleaner for automobiles. No. 1,235,257; July 31; v. 240; p. 1343.
- Throop, Charles G., Chicago, Ill. Spraying-booth. No. 1,218,718; Mar. 13; v. 236; p. 325.
- Throop, Damon R., Davis, Cal. Screen for fruit-grading machines. No. 1,216,629; Feb. 20; v. 235; p. 846.
- Throop, Damon R., Davis, Cal. Land-scraper. No. 1,220,379; Mar. 27; v. 236; p. 974.
- Throp, Clarence O., Jefferson, Iowa. Valve-removing tool. No. 1,234,967; July 31; v. 240; p. 1256.
- Thropp, Peter D., assignor to The De Laski and Thropp Circular Woven Tire Company, Trenton, N. J. Vehicle-tire. No. 1,217,665; Feb. 27; v. 235; p. 1249.
- Throt-A-Lite Company. (See Young, Elmer L., assignor.)
- Throne, Lloyd E., Coon Valley, Wis. Milking-stool. No. 1,216,014; Feb. 13; v. 235; p. 576.
- Thul, William J., Melrose, Minn. Automobile-headlight diffuser and deflector. No. 1,250,714; Dec. 18; v. 245; p. 736.
- Thulin, Edmond E., Northwood, N. D. Flash-light holder. No. 1,217,666; Feb. 27; v. 235; p. 1249.
- Thullen, Louis H., Brooklyn, N. Y. Feeding device. No. 1,221,891; Apr. 3; v. 237; p. 137.
- Thum, Ellwood F., Philadelphia, assignor to H. L. Watson, Newtown, Pa. Apparatus for regulating the temperature of incubators. No. 1,212,283; Jan. 16; v. 234; p. 722.
- Thum, Martin, assignor to Langslow Fowler Company, Rochester, N. Y. Chair. No. 1,213,299; Jan. 23; v. 234; p. 1110.
- Thum, Martin, assignor to Langslow Fowler Company, Rochester, N. Y. Table attachment for furniture. No. 1,228,618; June 5; v. 239; p. 83.
- Thune, Ole N., Climax, Minn. Nail-holding and floor-setting device. No. 1,238,599; Aug. 28; v. 241; p. 1091.
- Thunell, Fred, Salt Lake City, Utah. Sign-letter and holder. No. 1,239,983; Sept. 11; v. 242; p. 431.
- Thuneman, Albin J. (See Ensign and Thuneman.)
- Thuneman, Harry A., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Dust-separator. No. 1,215,890; Feb. 13; v. 235; p. 531.
- Thurber, Edward J., assignor of twenty-seven and one-half one-hundredths to J. G. Olivier, twenty-seven and one-half one-hundredths to W. H. Cook, and five one-hundredths to W. P. Parkhouse, New Orleans, La. Illuminating device. No. 1,238,220; Aug. 28; v. 241; p. 967.
- Thurber, Guy P., Pittsburgh, Pa. Automatic train-controlling system. No. 1,217,530; Feb. 27; v. 235; p. 1201.
- Thurber, Guy P., Pittsburgh, Pa. Train-control system. No. 1,236,624; Aug. 14; v. 241; p. 384.
- Thurber, Guy P., assignor, by mesne assignments, to Automatic Train Control & Signal Company, Pittsburgh, Pa. Breakdown detector for rail-joint insulation. No. 1,232,441; July 3; v. 240; p. 299.
- Thurber, Guy P., assignor, by mesne assignments, to Automatic Train Control & Signal Company, Pittsburgh, Pa. Safety signal system. No. 1,232,442; July 3; v. 240; p. 299.
- Thurber, Matt B., Tecumseh, Nebr. Spark-coil and spark-plug tester. No. 1,231,970; July 3; v. 240; p. 145.
- Thurén, Oskar, Virginia, Minn. Wheel structure. No. 1,211,504; Jan. 9; v. 234; p. 420.

- Thurlow, Ira M., assignor to P. B. Yates Machine Company, Beloit, Wis. Lever set-works. No. 1,216,517; Feb. 20; v. 235; p. 806.
- Thurlow, Ira M., assignor to P. B. Yates Machine Company, Beloit, Wis. Variable-speed drive. No. 1,216,749; Feb. 20; v. 235; p. 886.
- Thurlow, Reginald J., Alexander, N. D. Type-writing machine. No. 1,233,936; July 17; v. 240; p. 857.
- Thurman, Isaac B., Atlanta, assignor to J. R. Smith, McDonough, Ga. Figurehead. No. 1,224,044; Apr. 24; v. 237; p. 1164.
- Thurman, William B., Madera county, Cal. Toy. No. 1,224,430; May 1; v. 238; p. 115.
- Thurman, William B., Madera, Cal. Structural toy. No. 1,241,682; Oct. 2; v. 243; p. 68.
- Thurman, William B., Madera, Cal. Structural toy. No. 1,242,272; Oct. 9; v. 243; p. 295.
- Thurman, William B., Madera, Cal. Structural toy. No. 1,242,273; Oct. 9; v. 243; p. 295.
- Thurrow, Carl W. (See Smith, Walton D., assignor.)
- Thurstensen, Soren, assignor to Henry Vogt Machine Company, Louisville, Ky. Apparatus for refrigeration plants. No. 1,224,811; May 1; v. 238; p. 246.
- Thurston, Edwin L., trustee. (See Entz, Justus B., assignor.)
- Thurston, Fredrick A., Lynn, Mass. Buffing-machine. No. 1,218,339; Mar. 6; v. 236; p. 158.
- Thurston, Herman B., Crafton, Pa. Low-water alarm. No. 1,231,458; June 26; v. 239; p. 1156.
- Thurston, Thomas G. O., Westminster, assignor to Vickers Limited, London, England. Warship and other seagoing vessels. No. 1,246,494; Nov. 13; v. 244; p. 435.
- Thust, George J., Milwaukee, Wis. Tube-rolling apparatus. No. 1,240,513; Sept. 18; v. 242; p. 633.
- Thwing, Charles B., assignor to Thwing Instrument Company, Philadelphia, Pa. Radiation-pyrometer. No. 1,232,408; July 3; v. 240; p. 289.
- Thwing Instrument Co. (See Thwing, Charles B., assignor.)
- Thyssel, Clifford A., Rockford, Ill. Lathe-dog. No. 1,227,219; May 22; v. 238; p. 1193.
- Tibbals, Walter H., Syracuse, N. Y. Fire-extinguisher. No. 1,214,971; Feb. 6; v. 235; p. 172.
- Tibbals, Walter H., Syracuse, N. Y. Disinfecting apparatus. No. 1,215,218; Feb. 6; v. 235; p. 256.
- Tibbetts, Clyde S. and W., Indianapolis, Ind. Adjustable window shade and curtain support. No. 1,239,845; Sept. 11; v. 242; p. 388.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,218,719; Mar. 13; v. 236; p. 325.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Ignition apparatus for hydrocarbon-engines. No. 1,227,697; May 29; v. 238; p. 1380.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,227,698; May 29; v. 238; p. 1381.
- Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,238,221; Aug. 28; v. 241; p. 968.
- Tibbetts, Walter. (See Tibbetts, Clyde S. and W.)
- Tibbitts, Paul W. (See Palmer, Otto A., assignor.)
- Tibbitts, Herbert O., Cleveland, Ohio. Resilient tire. No. 1,232,998; July 10; v. 240; p. 516.
- Tibbitts, Herbert O., Cleveland, Ohio. Stamp-vending machine. No. 1,251,447; Dec. 25; v. 245; p. 1002.
- Tice, Francis D., Niantic, Conn. Pump. No. 1,229,676; June 12; v. 239; p. 489.
- Tichborne, William H., Wheeling, W. Va. Centering mechanism for glass articles. No. 1,223,219; Apr. 17; v. 237; p. 845.
- Tichenor, Nimrod B., Indianapolis, Ind. Laundry-bag. No. 1,216,015; Feb. 13; v. 235; p. 576.
- Tickoff, John A., Moline, Ill. Plow-bottom. No. 1,211,258; Jan. 2; v. 234; p. 304.
- Tiddy, Thomas H., et al. (See Snyder, Charles P., assignor.)
- Tide Water Oil Company. (See Norman, Charles R., assignor.)
- Tidlund, Edwin G. (See Broomall and Tidlund.)
- Tidlund, Edwin G., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Bearing-housing. No. 1,221,108; Apr. 3; v. 237; p. 36.
- Tidlund, Edwin G., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Bearing. No. 1,231,670; July 3; v. 240; p. 45.
- Tidmarsh, Harry E., assignor to one-half to Union Iron Works, Bangor, Me. Grinder. No. 1,231,671; July 3; v. 240; p. 45.
- Tidmarsh, Harry E., assignor to one-half to Union Iron Works, Bangor, Me. Wood-pulp grinder. No. 1,231,672; July 3; v. 240; p. 46.
- Tidwell, Herry M. (See Bue and Tidwell.)
- Tiefel, Charles G. (See Todd and Tiefel.)
- Tiemann, Harry D., Madison, Wis. Dry-kiln for drying lumber and other moisture-bearing substances. No. 1,228,989; June 5; v. 239; p. 207.
- Tiemann, L. H., et al. (See Cowgill, Orph W., assignor.)
- Tierney, Henry J., Denison, Tex. Sliding door for railway freight-cars. No. 1,211,505; Jan. 9; v. 234; p. 420.
- Tierney & Hodgson. (See Hodgson, John, assignor.)
- Tierney, Shelby P., Metcalf, Ariz. Rotary internal-combustion engine. No. 1,216,184; Feb. 13; v. 235; p. 637.
- Tiffany, Adelbert, Sioux City, Iowa. Motor-carriage for agricultural implements. No. 1,237,975; Aug. 21; v. 241; p. 855.
- Tiffany, George S., Summit, N. J., assignor to Gray Electric Company, New York, N. Y. Electric fan and motor therefor and for other purposes. No. 1,212,282; Jan. 16; v. 234; p. 722.
- Tiffany, Harold E., assignor to The Continental Fibre Company, Newark, Del. Eliminating and recovering acids or metallic salts. No. 1,226,279; May 15; v. 238; p. 843.
- Tiffany, Henry L., South Dartmouth, Mass. Cone-tube. No. 1,240,103; Sept. 11; v. 242; p. 466.
- Tiffany, Henry L., South Dartmouth, Mass. Protector for wound-yarn-mass supports, &c. No. 1,240,104; Sept. 11; v. 242; p. 466.
- Tiger, Irving, Ferndale, and A. Hoch, New York, N. Y. Attachment for mixing-machines. No. 1,233,823; July 17; v. 240; p. 820.
- Tigerstedt, Eric M. C., Copenhagen, Denmark. Relay for undulatory currents. No. 1,212,163; Jan. 9; v. 234; p. 648.
- Tigerstedt, Eric M. C., Copenhagen, Denmark. Microphone. No. 1,235,510; July 31; v. 240; p. 1419.
- Tighe, John T., Scranton, Pa. Conductor-support. No. 1,211,010; Jan. 2; v. 234; p. 219.
- Tighe, Joseph A. (See Donovan and Tighe.)
- Tighe, William P., assignor of seventy one-hundredths to (Mrs.) E. Estes, Newark, N. J. Resilient tire. No. 1,222,496; Apr. 10; v. 237; p. 556.
- Tilden, Bert O., assignor to American Sanitary Works, Trenton, N. J. Water-closet seat and cover hinge. No. 1,248,949; Dec. 4; v. 245; p. 152.
- Tilden, Bert O., assignor to American Sanitary Works, Trenton, N. J. Water-closet seat and cover hinge. No. 1,251,448; Dec. 25; v. 245; p. 1003.
- Tilden, Galen, Ames, Iowa. Slumber-robe. No. 1,247,035; Nov. 20; v. 244; p. 629.
- Tilgner, Arthur C., Northville, S. D. Traction and tire-protecting device for automobiles. No. 1,228,619; June 5; v. 239; p. 83.
- Till, Henry, Pittsburgh, Cal. Adjustable paring and slicing gage for knives. No. 1,236,233; Aug. 7; v. 241; p. 228.
- Till, Jimmie U. (See Kyser and Till.)
- Till Manufacturing Co. (See Kyser and Till, assignors.)
- Tiller, Ernest, assignor to S. Wickins, London, England. Press for the manufacture of horse and like shoes. No. 1,249,858; Dec. 11; v. 245; p. 445.
- Tillery, David H. and T. H., Newark, N. J. Tripping attachment for clocks. No. 1,214,843; Feb. 6; v. 235; p. 124.
- Tillery, Noah F., Oregon, assignor of one-half to O. Wall, St. Joseph, Mo. Electric lamp-adaptor. No. 1,240,786; Sept. 18; v. 242; p. 717.
- Tillery, Thomas H. (See Tillery, David H. and T. H.)
- Tillman, Carl C. (See Linville and Tillman.)
- Tillman, Ferdinand J., assignor to Typewriting Calculating Attachment Company, St. Louis, Mo. Calculating-machine. No. 1,223,010; Apr. 17; v. 237; p. 774.
- Tillman, John W. (See Price and Tillman.)
- Tillman, Orion K., Horner, W. Va. Reel for barbed wire. No. 1,249,691; Dec. 11; v. 245; p. 396.
- Tillmann, Charles F., Chicago, Ill. Plant-irrigating device. No. 1,218,228; Mar. 6; v. 236; p. 119.
- Tillotson, Harry C., assignor to Knight American Patents Company, Chicago, Ill. Explosion-engine. No. 1,238,222; Aug. 28; v. 241; p. 968.
- Tillotson, William L., Denver, Colo. Screen for picture reproduction and mechanism for curving the same. No. 1,212,424; Jan. 16; v. 234; p. 771.
- Tilison, William H., Quincy, Ill. Overshoe attachment. No. 1,246,357; Nov. 13; v. 244; p. 394.
- Tilly, Alfred R., Brooklyn, N. Y. Magazine-pencil. No. 1,242,080; Oct. 2; v. 243; p. 194.
- Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. No. 1,222,049; Apr. 10; v. 237; p. 397.
- Tillyer, Edgar D., Southbridge, Mass., assignor to American Optical Company. Dye-testing device. No. 1,246,495; Nov. 13; v. 244; p. 435.
- Tilston, Edward, London, England. Internal-combustion engine. No. 1,234,825; July 31; v. 240; p. 1209.
- Tilston, Edward, London, England. Internal-combustion engine. No. 1,246,496; Nov. 13; v. 244; p. 436.
- Tilton, Abram B., Bayhead, N. J. Revolving toy. No. 1,223,643; Apr. 24; v. 237; p. 1026.
- Tilton, James B., Haverhill, Mass. Turned shoe. No. 1,241,579; Oct. 2; v. 243; p. 36.
- Tilton, Ray M., Panama, Iowa. Case-magazine soldering-iron. No. 1,232,734; July 10; v. 240; p. 431.
- Timberlake, Paul J., Jackson, Mich. Stand for lamps and other articles. No. 1,229,349; June 12; v. 239; p. 378.
- Timberlake, Wilbur B., Jackson, Mich. Egg-tester. No. 1,221,629; Apr. 3; v. 237; p. 218.
- Time-Systems Company. (See Schmidt, Frederick W., assignor.)
- Timerman, Eugene J. C., Syracuse, N. Y. Chain-lock. No. 1,239,745; Sept. 11; v. 242; p. 356.
- Timken-Detroit Axle Company, The. (See Alden, Herbert W., assignor.)
- Timken-Detroit Axle Company, The. (See Alden and Weaver, assignors.)

Alphabetical list of patentees—Continued.

- Timken Roller Bearing Company, The. (See Buckwalter, Tracy V., assignor.)
- Timko, Joseph, New York, N. Y. Brush. No. 1,219,196; Mar. 13; v. 236; p. 492.
- Timm, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Lubricating device for bearings. No. 1,248,754; Dec. 4; v. 245; p. 97.
- Timm, Hermann, Luverne, Minn. Steering apparatus for ships. No. 1,220,026; Mar. 20; v. 236; p. 809.
- Timm, Paul C., Osceola, Nebr. Grain-shocker. No. 1,236,018; Aug. 7; v. 241; p. 161.
- Timmerhoff, Ernest, assignor of one-half to C. E. Teed, Elkhart, Ind. Wheel-hub cap. No. 1,234,968; July 31; v. 240; p. 1256.
- Timmerhoff, Ernest, assignor of one-half to C. E. Teed, Elkhart, Ind. Radiator-cap. No. 1,239,542; Sept. 11; v. 242; p. 291.
- Timmis, Albert H., Harrow, assignor to Rubber Set Brush Co., Limited, London, England. Brush and manufacturing the same. No. 1,219,054; Mar. 13; v. 236; p. 444.
- Timms, Amos N., McCool, assignor of one-half to A. M. Storer, Kosciusko, Miss. Seed-gathering attachment for mowers. No. 1,249,295; Dec. 4; v. 245; p. 251.
- Timpson, Frederick M., Ilford, and A. O. Robertson, assignors to The Tiro Valve Syndicate, London, England. Combined pressure and vacuum relief valve. No. 1,213,710; Jan. 23; v. 234; p. 1251.
- Tin Decorating Company of Baltimore. (See George, Alexander W., assignor.) (Reissue.)
- Tin Decorating Company of Baltimore, The. (See Wilcox, Josiah T., assignor.)
- Tindall, Frank C. (See Tindall, Harry C., assignor.)
- Tindall, Harry C., assignor to F. C. Tindall, Macon, Ga. Attachment for truss-pads. No. 1,222,904; Apr. 17; v. 237; p. 738.
- Tinegate, George. (See McNabb, John A., assignor.)
- Tingley, Egbert M., East Orange, assignor to Splittorf Electrical Company, Newark, N. J. Brush-holding device. No. 1,248,574; Dec. 4; v. 245; p. 44.
- Tingue, Brown & Company. (See Decker, Ammiel F., assignor.)
- Tinius Olsen Testing Machine Company. (See Flowers, Alan E., assignor.)
- Tinkham, Francis M., Springfield, Mass. Wire mattress. No. 1,221,392; Apr. 3; v. 237; p. 137.
- Tinley, James F., Brooklyn, N. Y. Portable water-filter. No. 1,222,162; Apr. 10; v. 237; p. 437.
- Tinnerman, George A., Cleveland, Ohio. Combined gas and solid-fuel range. No. 1,217,531; Feb. 27; v. 235; p. 1201.
- Tinsley, Della F., Kansas City, Mo. Sewing-chair. No. 1,212,713; Jan. 16; v. 234; p. 875.
- Tinsley, Edward O., assignor to Robert Gair Company, Brooklyn, N. Y. Knockdown display-container. No. 1,234,421; July 24; v. 240; p. 1051.
- Tinsley, Edward O., assignor to Robert Gair Company, Brooklyn, N. Y. Collapsible display-container. No. 1,245,531; Nov. 6; v. 244; p. 118.
- Tinsman, Edgar A. (See Butler and Tinsman.)
- Tinsman, Edgar A. (See Wildman and Tinsman.)
- Tinsman, Samuel H., Morris, Ill., assignor, by mesne assignments, to International Harvester Corporation. Steering mechanism for tillage implements. No. 1,230,539; June 19; v. 239; p. 810.
- Tipperman, Simon, Washington, D. C. Safety card-record file. No. 1,231,812; July 3; v. 240; p. 94.
- Tippett, Harold P., Columbus, Ohio. Internal-combustion engine. No. 1,234,969; July 31; v. 240; p. 1257.
- Tippett, John M., Colorado Springs, Colo. Extracting precious metals and other metals from ore. No. 1,236,501; Aug. 14; v. 241; p. 345.
- Tipple, James D., West Nashville, Tenn. Spring-tire. No. 1,222,905; Apr. 17; v. 237; p. 738.
- Tipton, Clay, Meador, Tex. Boxing and bearing. No. 1,239,543; Sept. 11; v. 242; p. 291.
- Tirey, Grover C. (See Kirkpatrick and Tirey.)
- Tiro Valve Syndicate, The. (See Timpson and Robertson, assignors.)
- Tirrell, Allen A., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical regulator. No. 1,216,518; Feb. 20; v. 235; p. 806.
- Tirrell, Allen A., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical regulator. No. 1,216,888; Feb. 20; v. 235; p. 933.
- Tiscione, Joseph, New York, N. Y. Electric flash-light. No. 1,226,926; May 22; v. 238; p. 1092.
- Tisher, Zachariah, Spokane, Wash. Flange-oiler. No. 1,226,927; May 22; v. 238; p. 1093.
- Tisi, Antonio. (See Pasquazzo and Tisi.)
- Tisman, Abraham, New York, N. Y. Automobile-bumper. No. 1,220,571; Mar. 27; v. 236; p. 1041.
- Titanium Alloy Manufacturing Company, The. (See Barton, Louis E., assignor.)
- Titanium Alloy Manufacturing Company, The. (See Barton and Gardner, assignors.)
- Titsworth, Ellen A. (See Hall, Cassius G., assignor.)
- Titsworth, Richard, assignor of one-third to T. J. Walsh, Fort Bliss, Tex. Gangway. No. 1,224,045; Apr. 24; v. 237; p. 1165.
- Tittmann, Gottfried, Brooklyn, N. Y. Pipe-support. No. 1,241,683; Oct. 2; v. 243; p. 69.
- Titus Blatter & Company. (See Whitmore, Albert H., assignor.)
- Titus, Phenno L., Petrolia, Pa. Vehicle-spring. No. 1,221,109; Apr. 3; v. 237; p. 36.
- Titus, Thomas L., Omaha, Nebr. Self-closing valve. No. 1,250,388; Dec. 18; v. 245; p. 639.
- Titus, Walter B., and J. Pashinsky, Cedar Rapids, Iowa. Self-adjusting shaft-bearing. No. 1,230,628; June 19; v. 239; p. 841.
- Tizley, Arthur J., Brooklyn, assignor to Edward F. Caldwell & Company, New York, N. Y. Lamp-shade. No. 1,246,497; Nov. 13; v. 244; p. 436.
- Tjossem, Earl G., Des Moines, Iowa. Seed-corn-testing machine. No. 1,238,956; Sept. 4; v. 242; p. 75.
- Trach, Andrew R., Lakefield, Minn. Tractor drive-wheel. No. 1,212,284; Jan. 16; v. 234; p. 723.
- Toabe, Kebe, Winchester, Mass. Manufacturing metallic chromates. No. 1,225,374; May 8; v. 238; p. 491.
- Toadvin, Edward S., New York, N. Y. Burglar-alarm. No. 1,212,285; Jan. 16; v. 234; p. 723.
- Tobacco Stemming Machine Company, The. (See Goodwin, James D., assignor.)
- Tobeler, Emil, and W. Sullwold, Detroit, Mich. Valve-operating mechanism. No. 1,231,813; July 3; v. 240; p. 94.
- Tobener, Hart H., San Francisco, Cal. Quartz-mill. No. 1,216,185; Feb. 13; v. 235; p. 637.
- Tobey, Fred W., Grand Rapids, Mich. Cabinet. No. 1,238,957; Sept. 4; v. 242; p. 76.
- Tobie, Edward P., Providence, R. I. Necktie-clasp. No. 1,239,746; Sept. 11; v. 242; p. 356.
- Tobin, Edward C., Stockton, Cal. Knife-sharpener. No. 1,215,591; Feb. 13; v. 235; p. 425.
- Tobin, John J., assignor to Tobin Manufacturing Company, Chicago, Ill. Coaster-brake. No. 1,224,514; May 1; v. 238; p. 143.
- Tobin, John J., Sayre, and F. J. Gallagher, Wilkes-Barre, Pa. Spiral propeller for ships. No. 1,229,350; June 12; v. 239; p. 378.
- Tobin, John R., Langford, S. D. Rapid-fire toy cannon. No. 1,223,448; Apr. 24; v. 237; p. 956.
- Tobin Manufacturing Company. (See Tobin, John J., assignor.)
- Tobolla, Victor. (See Sheafe and Tobolla.)
- Tocknell, Charles W., Kenilworth, N. J. Compressed-air vibrator. No. 1,241,783; Oct. 2; v. 243; p. 99.
- Toczec, William, and J. Ryncarz, Cleveland, Ohio. Monkey-wrench. No. 1,234,422; July 24; v. 240; p. 1051.
- Toda, Sozaburo, Erie, Pa. Combined sifter and mixer. No. 1,212,585; Jan. 16; v. 234; p. 828.
- Todd, Alvin L., and M. Nelson, Plattsmouth, Nebr. Direction-indicator for vehicles. No. 1,232,124; July 3; v. 240; p. 200.
- Todd, Earl B. (See Conklin and Todd.)
- Todd, Floyd F., Forest City, Pa. Envelop-opener. No. 1,216,889; Feb. 20; v. 235; p. 933.
- Todd, George W., Omaha, Nebr. Dental bridge. No. 1,228,620; June 5; v. 239; p. 84.
- Todd, James T. A., Fort Worth, Tex. Bale-tie-securing device. No. 1,217,851; Feb. 27; v. 235; p. 1310.
- Todd, Leonard P., Stoke Newington, London, England. Steam-engine. No. 1,239,747; Sept. 11; v. 242; p. 356.
- Todd, Libanus M., and C. G. Tiefel, assignors, by mesne assignments, to Todd Protectograph Company, Rochester, N. Y. Check-writing machine. No. 1,240,903; Sept. 25; v. 242; p. 787.
- Todd Protectograph Company. (See Simpson and Paulson, assignors.)
- Todd Protectograph Company. (See Todd and Tiefel, assignors.)
- Todd, Roland G., Clearfield, Pa. Drinking-trough for chickens. No. 1,214,240; Jan. 30; v. 234; p. 1462.
- Todd, Samuel J., Highland Park, assignor of one-half to J. Palmer, Jr., Detroit, Mich. Work-holder for milling-machines. No. 1,213,300; Jan. 23; v. 234; p. 1110.
- Todd, Victor H., Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company. Indicating cycle-meter. No. 1,234,970; July 31; v. 240; p. 1257.
- Todd, William C., and J. W. Pomeroy, Victoria, British Columbia, Canada. Traveling lawn-sprinkler. No. 1,215,081; Feb. 6; v. 235; p. 210.
- Toedter, Benjamin A., Pueblo, Colo. Humidifier for gasoline-engines. No. 1,231,312; June 26; v. 239; p. 1107.
- Toegel, Herbert. (See Schwenk, Elizabeth G., assignor.)
- Toelcke, Charles, assignor of one-half to H. Magnus, Chicago, Ill. Receptacle for containing and dispensing semisolid condiments. No. 1,231,098; June 26; v. 239; p. 1037.
- Toffelmier, Lance J. (See Miller and Toffelmier.)
- Togstad, Kaja P., Maddock, N. D. Spring-tire. No. 1,226,414; May 15; v. 238; p. 885.
- Togstad, Kaja P., Maddock, N. D. Safety-parachute for aviators. No. 1,227,344; May 22; v. 238; p. 1234.
- Tokheim, John J., Cedar Rapids, Iowa. Vacuum gasoline-renovator. No. 1,248,950; Dec. 4; v. 245; p. 152.
- Tokheim, John J., Cedar Rapids, Iowa. Purifying fluids. No. 1,248,951; Dec. 4; v. 245; p. 153.
- Told, Arnold H., New York, N. Y., assignor to Positive Rail Anchor Company, Marion, Ind. Rail-anchor. No. 1,241,684; Oct. 2; v. 243; p. 69.
- Toledo Button Machine Company, The. (See Buchler, Albert W., assignor.)
- Toledo Button Machine Company, The. (See Pomeroy, Le Dru R., assignor.)

- Toledo Button Machine Company, The. (See Waltz, Frank G., assignor.)
- Toledo Computing Scale Company. (See Crane, Samuel G., assignor.)
- Toledo Glass Company, The. (See Bergman, William G., assignor.)
- Toledo Glass Company, The. (See Colburn, Irving W., assignor.)
- Toledo Glass Company, The. (See La France, Richard, assignor.)
- Toledo Glass Company, The. (See Owens, Michael J., assignor.)
- Toledo Parlor Furniture Company, The. (See De Does, Peter J., assignor.)
- Toledo Rack & Level Company, The. (See Dunbar, Oris K., assignor.)
- Toledo Scale Company. (See Burkholder, John D., assignor.)
- Toledo Scale Company. (See Crane, Samuel G., assignor.)
- Toledo Scale Company. (See De Vilbiss, Allen, Jr., assignor.)
- Toledo Scale Company. (See Dunn, Frank P., assignor.)
- Toledo Scale Company. (See Hapgood, Clarence H., assignor.)
- Toledo Scale Company. (See Mingle, William J., assignor.)
- Toledo Scale Company. (See Myers, Hubert A., assignor.)
- Toledo Scale Company. (See Pool, Elmer C., assignor.)
- Toledo Scale Company. (See Wetzel, Lewis C., assignor.)
- Toledo Wheelbarrow Company. (See Troendle, William C., assignor.)
- Toler, G. W., *et al.* (See Underwood, Charles W., assignor.)
- Toler, J. K., *et al.* (See Underwood, Charles W., assignor.)
- Toler, T. J., *et al.* (See Underwood, Charles W., assignor.)
- Toles, Justin K., San Francisco, Cal. Water-heater. No. 1,218,965; Mar. 13; v. 236; p. 413.
- Toles, Justin K., San Francisco, Cal., assignor to Union Fibre Company, Winona, Minn. Producing fibrous material from rice-straw. No. 1,235,258; July 31; v. 240; p. 1343.
- Tolhurst Machine Works. (See Bryson, Tandy A., assignor.)
- Tolin, Albert E., assignor, by mesne assignments, to W. J. Woolley, Anderson, Ind. Button-feeding mechanism for button-attaching machines. No. 1,239,846; Sept. 11; v. 242; p. 389.
- Toll, William C., Rosendale, Wis. Sliding door. No. 1,220,910; Mar. 27; v. 236; p. 1154.
- Tollerton, William J., Chicago, Ill. Locomotive smoke-box. No. 1,234,235; July 24; v. 240; p. 989.
- Tolles, Charles L., Eau Claire, Wis. Turret tool-post. No. 1,232,999; July 10; v. 240; p. 516.
- Tolles, Charles L., Eau Claire, Wis. Turret tool-post. No. 1,236,997; Aug. 14; v. 241; p. 506.
- Tollestrup, Christian F., Raymond, Alberta, Canada. Wire stretcher and splicer. No. 1,250,245; Dec. 18; v. 245; p. 597.
- Tolley, Lavinia D., St. Louis, Mo. Safety bath-tub mat. No. 1,239,642; Sept. 11; v. 242; p. 322.
- Tolman Print Incorporated. (See Brigham, Harry L., assignor.)
- Tom Thumb Tractor Company. (See Nelson, Carl F., assignor.)
- Tom Thumb Tractor Company. (See Nelson, De Witt, assignor.)
- Tom, Willem. (See Matheeuwissen, Walterus T., assignor.)
- Toman, George V., Boundbrook, N. J. Closet-tank flush-valve. No. 1,223,534; Apr. 24; v. 237; p. 989.
- Tomanek, Philip, Newark, N. J., assignor to The Singer Manufacturing Company. Binder. No. 1,212,425; Jan. 16; v. 234; p. 771.
- Tomasko, Michael, La Fayette, and C. M. Gassner, Monticello, Ind. Cultivator. No. 1,214,095 Jan. 30; v. 234; p. 1413.
- Tomaszewsky, Emanuel, and R. Prociów, New York, N. Y. Automatic leveling device. No. 1,235,259; July 31; v. 240; p. 1343.
- Tomberlin, Baker M., Santa Rosa, Cal. Collapsible crate and lock. No. 1,229,677; June 12; v. 239; p. 490.
- Tomberlin, Baker M., Santa Rosa, Cal. Collapsible crate. No. 1,231,459; June 26; v. 239; p. 1157.
- Tomberlin, Baker M., Santa Rosa, Cal. Collapsible crate and lock. No. 1,231,460; June 26; v. 239; p. 1157.
- Tomcheck, John J., Two Rivers, Wis. Floor-jack. No. 1,231,461; June 26; v. 239; p. 1158.
- Tomcsanyi, Stevine, Wilcock, Pa. Foldable support. No. 1,242,274; Oct. 9; v. 243; p. 296.
- Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Counterweighted sectional door. No. 1,248,755; Dec. 4; v. 245; p. 97.
- Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Counterweighted sectional door. No. 1,248,756; Dec. 4; v. 245; p. 98.
- Tomko, John, and C. W. Oppenlander, Cleveland, Ohio. Electric signal device. No. 1,236,625; Aug. 14; v. 241; p. 385.
- Tomlinson, Charles H., Mansfield, Ohio. Automatic car, air, and electric coupling mechanism. No. 1,223,223; Apr. 17; v. 237; p. 846.
- Tomlinson, Charles H., assignor to The Tomlinson Coupler Company, Mansfield, Ohio. Electrical multiple connector. No. 1,223,222; Apr. 17; v. 237; p. 846.
- Tomlinson, Charles H., Mansfield, Ohio, assignor to The Tomlinson Coupler Company, Denver, Colo. Electro-pneumatic triple-valve mechanism for coupling systems. No. 1,228,719; June 5; v. 239; p. 117.
- Tomlinson Coupler Company, The. (See Tomlinson, Charles H., assignor.)
- Tomlinson, Edward J., assignor to Splitdorf Electrical Company, Newark, N. J. Engine-starting device. No. 1,238,958; Sept. 4; v. 242; p. 76.
- Tomlinson, Edward J., assignor to Splitdorf Electrical Company, Newark, N. J. Engine-starting device. No. 1,244,003; Oct. 23; v. 243; p. 902.
- Tomlinson, Edward J., assignor to Splitdorf Electrical Company, Newark, N. J. Engine-starting device. No. 1,244,004; Oct. 23; v. 243; p. 903.
- Tomlinson, Edward J., assignor to V. G. Apple, Dayton, Ohio. Terminal-bending tool for armatures. No. 1,238,959; Sept. 4; v. 242; p. 77.
- Tomlinson, John D., Rochdale, England. Machine used in the production of Suede cotton cloth. No. 1,218,131; Mar. 6; v. 236; p. 85.
- Tomlinson, John K., Roncerverte, W. Va. Window-shade fixture. No. 1,213,301; Jan. 23; v. 234; p. 1111.
- Tomlinson, John K., Roncerverte, W. Va. Jack. No. 1,245,400; Nov. 6; v. 244; p. 77.
- Tomlinson, John K., Roncerverte, W. Va. Air-pump. No. 1,245,401; Nov. 6; v. 244; p. 77.
- Tomlinson, Thomas F., Lamberts Point, Va. Brake rigging for rolling-stock. No. 1,218,720; Mar. 13; v. 236; p. 326.
- Tomlinson, William E., Canton, Ohio. Cake-pan. No. 1,229,825; June 12; v. 239; p. 538.
- Tommasi, Nobile C., assignor to Elektrizitätswerk Lonza, Gampel and Basel, Switzerland. Apparatus for the manufacture of crude calcium cyanamid. No. 1,230,343; June 19; v. 239; p. 745.
- Tommasini, Vitaliano, Milan, Italy. Apparatus for the manufacture of stuffed alimentary pastes. No. 1,236,998; Aug. 14; v. 241; p. 506.
- Tompkins, Charles E., Los Angeles, Cal. Stirring implement. No. 1,241,307; Sept. 25; v. 242; p. 916.
- Tompkins, Edward D., New York, N. Y. Sawing apparatus. No. 1,215,431; Feb. 13; v. 235; p. 364.
- Tompkins, Henry H., Jr., Jersey City, N. J. Talking-machine. No. 1,239,063; Sept. 4; v. 242; p. 110.
- Tompkins, Robert F., New York, N. Y. Binding and cohering composition. No. 1,247,595; Nov. 20; v. 244; p. 789.
- Tompkins, Robert F., New York, N. Y., assignor to The Binder Company. Roadway composition. No. 1,213,555; Jan. 23; v. 234; p. 1200.
- Tompkins, Robert F., New York, N. Y., assignor to The Binder Company. Cohering or binding composition for roads or other purposes and roads or paths comprising the same. No. 1,214,972; Feb. 6; v. 235; p. 172.
- Tompkins, Robert F., New York, N. Y., assignor to The Binder Company. Road or roadway. No. 1,216,186; Feb. 13; v. 235; p. 638.
- Tompkins, Stonewall, New York, N. Y. Automatic speed-regulator. No. 1,245,823; Nov. 6; v. 244; p. 206.
- Tompert, Charles E., Louisville, Ky. Calking-ferule. No. 1,238,458; Aug. 28; v. 241; p. 1046.
- Tomsany, Joseph, Wheeling, W. Va. Rope-guard for boring-rigs. No. 1,237,414; Aug. 21; v. 241; p. 677.
- Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Manufacture of crystalline fused alumina. No. 1,239,984; Sept. 11; v. 242; p. 431.
- Toney, Samuel, Clearfield, Pa. Combination track gage and level. No. 1,220,027; Mar. 20; v. 236; p. 809.
- Tongberg, Otto H., assignor, by mesne assignments, to J. & G. Manufacturing Co., Lynn, Mass. Stone-cutting machine. No. 1,247,596; Nov. 20; v. 244; p. 789.
- Tonn, Alexander W., Milwaukee, Wis. Railway-tie. No. 1,227,345; May 22; v. 238; p. 1234.
- Tonnele, Alfred, and W. J. Curtis, assignors to National Adjustable Bed and Spring Company, Wilmington, Del. Adjustable support for beds. No. 1,226,415; May 15; v. 238; p. 885.
- Tonon, Adone P., assignor to C. W. Gillett, Chicago, Ill. Automobile. No. 1,239,643; Sept. 11; v. 242; p. 322.
- Tontrup, George H., *et al.* (See Schechter, Bernard, assignor.)
- Toohy, John W., assignor of one-half to J. S. Myers, Berlin, N. H. Wrench. No. 1,213,039; Jan. 16; v. 234; p. 986.
- Tooke, William A., Montreal, Quebec, Canada. Collar. No. 1,243,011; Oct. 16; v. 243; p. 566.
- Tooke, William A., Montreal, Quebec, Canada. Collar. No. 1,243,461; Oct. 16; v. 243; p. 701.
- Tooker, John N. (See Knowlton, MacCorquodale, Wyck off, Russell, and Tooker.)
- Tooker, John N. (See Schroeder and Tooker.)
- Toole, L. Julian, *et al.* (See Webb, Benjamin T., assignor.)
- Toole, Lucius C. (See Toole, Marguerite R. and L. C.)
- Toole, Marguerite R. and L. C., Indianapolis, Ind. Motion-picture-theater chair. No. 1,226,416; May 15; v. 238; p. 886.
- Tooloose, John T., Platts, Mo. Tire-tube protector. No. 1,235,080; July 31; v. 240; p. 1290.
- Toombs, Claude H. (See Olson and Toombs.)

Alphabetical list of patentees—Continued.

- Toomey, Alfred E., Edmore, N. D. Grease and oil gun. No. 1,219,197; Mar. 13; v. 236; p. 492.
- Toomey, John A., Los Angeles, Cal. Internal-combustion engine. No. 1,250,715; Dec. 18; v. 245; p. 737.
- Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. System for observing telephone service. No. 1,245,402; Nov. 6; v. 244; p. 78.
- Tooth, Percy W., Los Angeles, Cal. Transmission-gearing. No. 1,246,683; Nov. 13; v. 244; p. 491.
- Toothaker, Fred L., assignor of one-half to E. B. Gilchrist, Belfast, Me. Moth-nest picker and retriever. No. 1,211,506; Jan. 9; v. 234; p. 420.
- Topham, Laurence E., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Chain-stitch inseam shoe-sewing machine. No. 1,241,784; Oct. 2; v. 243; p. 100.
- Topham, Laurence E., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Chain-stitch inseam shoe-sewing machine. No. 1,241,785; Oct. 2; v. 243; p. 100.
- Topham, Laurence E., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Sewing-machine. No. 1,250,389; Dec. 18; v. 245; p. 639.
- Topper, John M. (See Chaplain, George H., assignor.)
- Topping, George W., Brooklyn, N. Y. Internal-combustion-engine governor. No. 1,212,851; Jan. 16; v. 234; p. 920.
- Topping, John A., Chicago, Ill. Lighting and signaling system for vehicles. No. 1,228,263; May 29; v. 238; p. 1569.
- Torbinia Engineering Company (1916) Limited. (See King, Alick, assignor.)
- Torchio, Alberto, Oyster Bay, N. Y. Fire-alarm apparatus. No. 1,239,140; Sept. 4; v. 242; p. 135.
- Torchio, Philip, and H. R. Woodrow, assignors to T. E. Murray, New York, N. Y. Reactance-coil. No. 1,235,081; July 31; v. 240; p. 1290.
- Torchio, Philip, and H. R. Woodrow, assignors to T. E. Murray, New York, N. Y. Polyphase reactance-coil. No. 1,242,497; Oct. 9; v. 243; p. 366.
- Torén, Charles F., Springfield, assignor of one-fifth to W. E. Schwarzmans, Longmeadow, Mass. Attachment-plug for electric wires. No. 1,248,421; Nov. 27; v. 244; p. 1058.
- Torkington, Alfred W., London, England. Tire. No. 1,222,906; Apr. 17; v. 237; p. 739.
- Tornberg, Knut, Lynn, Mass., assignor to General Electric Company. Arc-light electrode. No. 1,240,628; Sept. 18; v. 242; p. 667.
- Torr, John G., Sydney, New South Wales, Australia. Locking means for tripods. No. 1,226,724; May 22; v. 238; p. 1023.
- Torr, John G., Sydney, New South Wales, Australia. Mechanism for facilitating the instruction of drivers of self-propelled vehicles. No. 1,240,629; Sept. 18; v. 242; p. 667.
- Torrance, Edward A., Evansville, Ind. Automobile-rim protector. No. 1,221,245; Apr. 3; v. 237; p. 86.
- Torre, Domenico D., Providence, R. I., assignor to The Anderson Candy Company. Candy-twisting machine. No. 1,218,340; Mar. 6; v. 236; p. 158.
- Torrence, Charles A., Regina, Saskatchewan, Canada. Grain-separator. No. 1,221,110; Apr. 3; v. 237; p. 37.
- Torrens, John A., Somerset, Coleraine, Ireland. Auxiliary air-inlet valve for gas-engines. No. 1,239,639; Sept. 11; v. 242; p. 321.
- Torrey, Levi F., Cleveland, Ohio. Spring-fitting machine. No. 1,237,415; Aug. 21; v. 241; p. 677.
- Torrey, Margaret E., Cleveland, Ohio. Advertising device. No. 1,238,960; Sept. 4; v. 242; p. 77.
- Torsion Balance Company, The. (See Munzner, Max, assignor.)
- Tortomasi, Joe, San Diego, Cal. Life-saving float. No. 1,234,826; July 31; v. 240; p. 1209.
- Torvik, Samuel S., Spokane, Wash. Wrench-head. No. 1,232,735; July 10; v. 240; p. 431.
- Tosten Bros. (See Farnsworth, Charles H., assignor.)
- Toth, Frank. (See Brand and Toth.)
- Tóth, John, and J. Novak, Philadelphia, Pa. Spring-wheel. No. 1,237,416; Aug. 21; v. 241; p. 678.
- Toth, Stephen, Furnace Run, Pa. Garbage-receptacle. No. 1,214,389; Jan. 30; v. 234; p. 1516.
- Totman, Amos A., Fitchburg, assignor, by mesne assignments, to Quabaug Rubber Company, North Brookfield, Mass. Machine for packaging rings. No. 1,217,532; Feb. 27; v. 235; p. 1201.
- Totten, William G. L., Buckhannon, W. Va. Brake-shoe. No. 1,245,824; Nov. 6; v. 244; p. 207.
- Totterdale, John, Warren, Ohio. Sheet-metal container. No. 1,217,667; Feb. 27; v. 235; p. 1250.
- Toty, Hippolyte, et al. (See Pelletier, Charles E., assignor.)
- Toupp, Frank L., Chicago Heights, Ill. Envelop. No. 1,212,852; Jan. 16; v. 234; p. 921.
- Toupin, Louis, West Warwick, assignor to Crompton Company, Crompton, R. I. Guide-holder for pile-cutting machines. No. 1,248,205; Nov. 27; v. 244; p. 997.
- Tourangeau, Joseph E., Montreal, Quebec, Canada. Non-slipping underpiece for surface-coverings. No. 1,234,827; July 31; v. 240; p. 1210.
- Tourtrel, John M., Ealing, London, England. Apparatus for stropping razor-blades. No. 1,240,514; Sept. 18; v. 242; p. 634.
- Tourtrel, John M., Watertown, N. Y. Stropping device. No. 1,240,515; Sept. 18; v. 242; p. 634.
- Tourtellot, Henry B., Quincy, Mass., assignor to American Can Company, New York, N. Y. Display-receptacle. No. 1,247,036; Nov. 20; v. 244; p. 629.
- Tourtier, Paul, Paris, France. Stand for bicycles and other vehicles. No. 1,211,898; Jan. 9; v. 234; p. 558.
- Toussaint, Hughey A., Caseyville, Ill. Permutation-lock. No. 1,228,264; May 29; v. 238; p. 1569.
- Toussaint, Nicholas J., A. E. Puffer, and A. Anderson, Minneapolis, Minn. Carbonator. No. 1,246,498; Nov. 13; v. 244; p. 436.
- Tow, James O., assignor, by mesne assignments, to Dorn-Cloney Laundry and Dry Cleaning Co., Columbia, Mo. Reversing-gearing. No. 1,224,812; May 1; v. 238; p. 247.
- Toward, Ralph P., Russellton, Pa. Coupling for pit-cars. No. 1,250,390; Dec. 18; v. 245; p. 640.
- Towart, John, Jr., Peekskill, N. Y. Stove-oven shelf. No. 1,211,984; Jan. 9; v. 234; p. 589.
- Tower, Willie J., Seattle, Wash. Rotary valve. No. 1,215,746; Feb. 13; v. 235; p. 479.
- Towle, Adelbert M., Augusta, and G. M. Towle, Hallowell, assignors of one-third to L. B. Paquin, Augusta, Me. Repairing enameled leather. No. 1,226,146; May 15; v. 238; p. 793.
- Towle, Guy M. (See Towle, Adelbert M. and G. M.)
- Towle, Thomas B., Dayton, Ohio. Sparking plug. No. 1,214,390; Jan. 30; v. 234; p. 1517.
- Towler, Elva B., assignor of one-half to G. F. Wilson, Macon, Ill. Spring-mounting for vehicles. No. 1,225,288; May 8; v. 238; p. 458.
- Towler, Isaiah P., Newark, N. J. Steam-heating cooking-range. No. 1,225,528; May 8; v. 238; p. 540.
- Townill, George, Plainfield, Ill. Universal screw-driver. No. 1,239,847; Sept. 11; v. 242; p. 389.
- Townley, Arthur H., Manchester, England. Device for cleaning shafting. No. 1,230,629; June 19; v. 239; p. 841.
- Townley, Charles E., Dryden, N. Y. Flexible coupling. No. 1,224,690; May 1; v. 238; p. 204.
- Townsan, William H. (See Baker, Horace G., assignor.)
- Townsend, Arthur L. (See Thompson and Townsend.)
- Townsend, David. (See Melas, William, assignor.)
- Townsend, Ernest W., Ogden, Utah. Revolving display-rack. No. 1,240,105; Sept. 11; v. 242; p. 466.
- Townsend, Frank P., Milwaukee, Wis., and W. F. Lent, New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Controller for motor-driven machines. No. 1,245,532; Nov. 6; v. 244; p. 118.
- Townsend, Frederick B., Hinsdale, Ill., assignor to W. H. Miner, Chazy, N. Y. Ventilator for cars and the like. No. 1,220,290; Mar. 27; v. 236; p. 942.
- Townsend, George M. (See Wellendorf, Frank H., assignor.)
- Townsend, Harry E., assignor to Anchor Cap & Closure Corporation, Brooklyn, N. Y. Closure. No. 1,231,099; June 26; v. 239; p. 1038.
- Townsend, Harry E., assignor to Anchor Cap & Closure Corporation, Brooklyn, N. Y. Sealing-cap. No. 1,242,741; Oct. 9; v. 243; p. 445.
- Townsend, Harry E., assignor to The Anchor Cap & Closure Corporation, Brooklyn, N. Y. Sealing-closure with removable gasket. No. 1,242,742; Oct. 9; v. 243; p. 445.
- Townsend, Harry E., assignor to The Anchor Cap & Closure Corporation, Brooklyn, N. Y. Side seal for glass containers and the like. No. 1,242,743; Oct. 9; v. 243; p. 446.
- Townsend, James L., McDonalds, N. C. Fertilizer-distributing apparatus. No. 1,213,711; Jan. 23; v. 234; p. 1252.
- Townsend, Katharine G., New York, N. Y. Holder for telephone-receivers. No. 1,250,716; Dec. 18; v. 245; p. 737.
- Townsend, Louis, Evansville, Ind. Automobile-jack. No. 1,215,082; Feb. 6; v. 235; p. 211.
- Townsend, Louis, Evansville, Ind. Combined harrow and cleaner. No. 1,249,555; Dec. 11; v. 245; p. 356.
- Townsend, Paul V., assignor to American Playground Device Company, Anderson, Ind. Wave coaster-slide. No. 1,239,848; Sept. 11; v. 242; p. 389.
- Townsend, Roy C., Beloit, Wis. Carbureter. No. 1,235,612; Aug. 7; v. 241; p. 28.
- Townsend, Samuel P., Orange, N. J. Mower. No. 1,245,825; Nov. 6; v. 244; p. 207.
- Townsend, Wallace, et al. (See Bates, William H., assignor.)
- Townsend, Willard H. (See Diehl and Townsend.)
- Towson, Morris S., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. No. 1,233,824; July 17; v. 240; p. 820.
- Toyokawa, Junya, Tokyo, Japan. Gyroscopic compass. No. 1,233,527; July 17; v. 240; p. 725.
- Tozler, Charles C., Cohituate, Mass. Self-closing valve. No. 1,233,728; July 17; v. 240; p. 790.
- Tracy, Charles O., Norwich, Conn. Sash-cord fastener. No. 1,248,038; Nov. 27; v. 244; p. 949.
- Tracy, Harmon N., Los Angeles, Cal. Apparatus for reducing and metallizing ores. No. 1,214,844; Feb. 6; v. 235; p. 124.

- Tracy, James J., Cleveland, Ohio. Manufacture of hats. No. 1,214,845; Feb. 6; v. 235; p. 125.
- Tracy, James J., Cleveland, Ohio. Manufacture of hats. No. 1,214,846; Feb. 6; v. 235; p. 125.
- Tracy, James J., Cleveland, Ohio. Carbureter. No. 1,222,163; Apr. 10; v. 237; p. 438.
- Tracy, James J., Cleveland, Ohio. Internal-combustion engine. No. 1,236,502; Aug. 14; v. 241; p. 345.
- Tracy, Oliver H., assignor to The Volunteer Fireman Signal Company, a Corporation, Minneapolis, Minn. Alarm signaling apparatus. No. 1,217,241; Feb. 27; v. 235; p. 1097.
- Tracy, William F., assignor of one-half to W. H. Gross, Sr., Philadelphia, Pa. Valve. No. 1,246,187; Nov. 13; v. 244; p. 342.
- Tracy, William H., Holland, Ky. Combined clod-crusher and scrub-cutter. No. 1,222,696; Apr. 17; v. 237; p. 668.
- Traban, Joseph E., Detroit, Mich. Spark-plug. No. 1,227,699; May 29; v. 238; p. 1381.
- Train Control Appliance Company. (See Bulla, Melbern B., assignor.)
- Train, John, Wessington Springs, S. D. Pump attachment. No. 1,244,143; Oct. 23; v. 243; p. 943.
- Tramana, Juanita, New York, N. Y. Lady's head-gear. No. 1,234,828; July 31; v. 240; p. 1210.
- Tramley, George W., assignor of one-third to J. W. Farley, Chicago, Ill. Jack-truck. No. 1,239,640; Sept. 11; v. 242; p. 321.
- Trana, Hjalmar J., Kindred, N. D. Emergency-truck. No. 1,236,626; Aug. 14; v. 241; p. 385.
- Trane, Joseph S., Poncha Springs, Colo. Alarm-clock. No. 1,234,829; July 31; v. 240; p. 1210.
- Transom Draft Gear Company. (See Westlake, Charles T., assignor.)
- Transport Tractor Company. (See Kelley, George B., assignor.)
- Transportation Utilities Company. (See McNally, Leo F., assignor.)
- Trasso, Anthony J., West Hoboken, N. J. Container. No. 1,224,691; May 1; v. 238; p. 205.
- Traub, Edward E., Chicago, assignor of one-half to E. P. Phelps, Wilmette, Ill. Carbon-paper form-book. No. 1,221,111; Apr. 3; v. 237; p. 37.
- Traub, George E., San Diego, Cal. Index for pressure-gages. No. 1,226,828; May 22; v. 238; p. 1060.
- Traub, Herbert D. (See Ensign and Traub.)
- Trauger, Guy A., Livermore, Iowa. Seed-corn stringer. No. 1,236,627; Aug. 14; v. 241; p. 385.
- Traung, Charles F. (See Traung and Bengel.)
- Traung, Louis, Jr. and Charles F., and Adam J. Bengel, San Francisco, Cal. Paper-seasoning machine. No. 1,234,423; July 24; v. 240; p. 1052.
- Traut, Clifford, and H. Higgin, assignors to The Higgin Manufacturing Company, Newport, Ky. Window-screen. No. 1,223,535; Apr. 24; v. 237; p. 989.
- Traut, Clifford, Newport, and W. B. Coleman, Covington, assignors to The Higgin Manufacturing Company, Newport, Ky. Door-lock. No. 1,248,952; Dec. 4; v. 245; p. 153.
- Traut, Ezra H., assignor of forty-five one-hundredths to L. Overturf, Franklin, Pa. Rail-tie fastener. No. 1,230,630; June 19; v. 239; p. 841.
- Traut and Hine Manufacturing Company, The. (See Wardner, Oel E., assignor.)
- Trautman, August G., Brooklyn, N. Y. Condiment-holder. No. 1,221,630; Apr. 3; v. 237; p. 219.
- Trautman, August G., New York, N. Y. Vehicle wheel and tire. No. 1,240,630; Sept. 18; v. 242; p. 668.
- Trautman, Walter G., assignor to The Cleveland Folding Machine Company, Cleveland, Ohio. Adjustable machine-bearing. No. 1,242,744; Oct. 9; v. 243; p. 446.
- Trautmann, Otto C., assignor to Sidlo Company of America, Inc., New York, N. Y. Producing articles of quartz glass. No. 1,215,432; Feb. 13; v. 235; p. 364.
- Trautmann, Otto C., assignor to Sidlo Company of America, Inc., New York, N. Y. Producing articles of quartz glass. No. 1,215,433; Feb. 13; v. 235; p. 364.
- Trautwein, Henry G., Newark, N. J. Foldable scaffold-jack. No. 1,234,510; July 24; v. 240; p. 1079.
- Travelstead, John O., Pendleton, Oreg. Torpedo-shield for vessels. No. 1,223,536; Apr. 24; v. 237; p. 989.
- Traver, Adelbert L., Philmont, N. Y. Trimming and cleaning attachment for machine for sewing looped fabrics. No. 1,245,533; Nov. 6; v. 244; p. 119.
- Traver, Harry G., Ridgewood, N. J. Flushing apparatus and valve mechanism therefor. No. 1,244,922; Oct. 30; v. 243; p. 1218.
- Traver, Jay E., Naugatuck, Conn., assignor to The Good-year's Metallic Rubber Shoe Company. Toe portion of boots and shoes. No. 1,245,534; Nov. 6; v. 244; p. 119.
- Travers, Carl, Frankenholz, near Mittelbexbach, Germany. Respirator. No. 1,221,246; Apr. 3; v. 237; p. 86.
- Travers, Charles J., Milwaukee, Wis. Revolving chair. No. 1,230,239; June 19; v. 239; p. 711.
- Travis, Albertus, Johnstown, N. Y. Fleshing-machine. No. 1,239,748; Sept. 11; v. 242; p. 356.
- Travis, Albertus, Johnstown, N. Y. Clutch. No. 1,239,985; Sept. 11; v. 242; p. 432.
- Travis, Clarence E. (See Antoine, Gebert, and Travis.)
- Travis, Deacon E. (See Heywood and Travis.)
- Travis, Don C., and J. H. Gamble, assignors to The Simmons Manufacturing Company, Kenosha, Wis. Spring construction. No. 1,237,727; Aug. 21; v. 241; p. 778.
- Travis, Frank L., Brighton, Mich. Saw-clamp. No. 1,216,890; Feb. 20; v. 235; p. 934.
- Travis, Hiram, Gloversville, N. Y. Locking mechanism. No. 1,234,424; July 24; v. 240; p. 1052.
- Traxler, Armen, et al. (See Daven, Michael P., assignor.)
- Traylor, Bruce W., Allentown, Pa. Internal-combustion engine. No. 1,234,971; July 31; v. 240; p. 1257.
- Traylor, Ezra A., Commerce, Tex. Vehicle-body. No. 1,225,192; May 8; v. 238; p. 427.
- Traylor, Fred W. (See Foster, Orval B., assignor.)
- Traylor, Samuel W., Allentown, Pa. Drilling, reaming, and centering machine. No. 1,221,247; Apr. 3; v. 237; p. 87.
- Trayne, John H. (See Chandler and Trayne.)
- Trcka, Frank J., Omaha, Nebr. Work-clamping table. No. 1,245,638; Nov. 6; v. 244; p. 151.
- Treacy, Cyril S., New York, N. Y. Combined clamp and support. No. 1,224,515; May 1; v. 238; p. 143.
- Treadgold, George H., assignor of one-fourth to W. B. Robeson, Port Huron, Mich. Stamp-vending machine. No. 1,250,391; Dec. 18; v. 245; p. 640.
- Treadway, Charles R. (See Byrd and Treadway.)
- Treadwell, Augustus, Jr. (See Baker, Haydn M., Jr., assignor.)
- Treadwell, Benjamin, Belle Plaine, Saskatchewan, Canada. Scraper. No. 1,248,953; Dec. 4; v. 245; p. 153.
- Treadwell, John P., Vaiden, Miss. Harrow. No. 1,220,475; Mar. 27; v. 236; p. 1008.
- Treat, Ellis M. (See Graham, Andrew W., assignor.)
- Treat, Ellis M., Buffalo, N. Y. Sepulcher. No. 1,240,106; Sept. 11; v. 242; p. 466.
- Trebert, Henry L. F., assignor to H. L. F. Trebert Rotary Motor Co., Inc., Rochester, N. Y. Internal-combustion engine. No. 1,215,434; Feb. 13; v. 235; p. 365.
- Tredup, Herman, Sebawaing, Mich. Traction-wheel. No. 1,214,391; Jan. 30; v. 234; p. 1517.
- Tree Faller & Cutter Company. (See Croman, James E., assignor.)
- Treeland, Lewis. (See Kusian, Amandus J., assignor.)
- Trefz, Julius J., assignor to The Anglo-American Mill Company, Owensboro, Ky. Beater-blade for centrifugal dressers. No. 1,216,391; Feb. 20; v. 235; p. 934.
- Trefz, Julius J., assignor to The Anglo-American Mill Co., Owensboro, Ky. Scalper for self-contained flour-mills. No. 1,229,169; June 5; v. 239; p. 267.
- Tregoning, Charles, New York, N. Y. Electric display device. No. 1,216,016; Feb. 13; v. 235; p. 577.
- Tregoning, William C., Cleveland, Ohio, assignor, by mesne assignments, to Benjamin Electric Manufacturing Company, Chicago, Ill. Attachment-plug. No. 1,238,459; Aug. 28; v. 241; p. 1046.
- Tregoning, William C., Cleveland, Ohio, assignor, by mesne assignments, to Benjamin Electric Manufacturing Company, Chicago, Ill. Attachment-plug for electric wires. No. 1,238,460; Aug. 28; v. 241; p. 1046.
- Treiber, Theodore R., assignor to The Brunswick-Balke-Collider Company, Chicago, Ill. Game-table. No. 1,237,417; Aug. 21; v. 241; p. 678.
- Treiber, Theodore R., assignor to Brunswick-Balke-Collider Company, Chicago, Ill. Game-table. No. 1,237,418; Aug. 21; v. 241; p. 678.
- Treiber, Theodore R., assignor to Brunswick-Balke-Collider Company, Chicago, Ill. Pocket-billiard-table gully. No. 1,237,419; Aug. 21; v. 241; p. 678.
- Tremain, Charles. (See Fargo, Arthur H., assignor.)
- Tremain, Henry B., Westfield, and E. S. Votey, Summit, N. J., assignors to The Aeolian Company, Phonograph and the like. No. 1,248,757; Dec. 4; v. 245; p. 98.
- Tremblay, Joseph P. (See Dostert, Auguste J., assignor.)
- Trenham, Howard J., Forestburg, S. D. Breaking-halter. No. 1,250,246; Dec. 18; v. 245; p. 597.
- Trent, Lamartine C., Los Angeles, Cal. Leaching apparatus. No. 1,240,904; Sept. 25; v. 242; p. 788.
- Treo Company. (See Schloss, Meyer W., assignor.)
- Trephagen, C. M., et al. (See Kramer, James, assignor.)
- Trescott, Charles B., Chicago, Ill. Cooking. No. 1,226,147; May 15; v. 238; p. 793.
- Trescott, Charles B., Chicago, Ill. Low-temperature-cooking apparatus. No. 1,233,000; July 10; v. 240; p. 516.
- Trescott, Charles B., Chicago, Ill. Cooking apparatus. No. 1,239,641; Sept. 11; v. 242; p. 322.
- Trescott, Charles B., assignor to Morris & Company, Chicago, Ill. Cooking. No. 1,214,392; Jan. 30; v. 234; p. 1517.
- Trescott, Charles B., assignor to Morris & Company, Chicago, Ill. Low-temperature cooking apparatus. No. 1,214,393; Jan. 30; v. 234; p. 1518.
- Trethewey, William G., Cuckfield, England. Tractor-plow. No. 1,245,287; Nov. 6; v. 244; p. 43.
- Treyor, Frank N., Buffalo, N. Y. Twine-holder. No. 1,245,403; Nov. 6; v. 244; p. 78.
- Trew, Arthur S., Portland, Oreg. Card-sorting machine. No. 1,214,394; Jan. 30; v. 234; p. 1518.
- Trew, Arthur S., Portland, Oreg. Card-making attachment for adding and listing machines. No. 1,224,813; May 1; v. 238; p. 247.
- Trew, Arthur S., Portland, Oreg. Distributing-machine. No. 1,246,358; Nov. 13; v. 244; p. 394.
- Triangle Ventilation Corporation. (See Kirk, Jason E., assignor.)
- Tribbey, George W., Marshfield, Oreg. Device for protecting receptacles against freezing. No. 1,226,030; May 15; v. 238; p. 753.

Alphabetical list of patentees—Continued.

- Trier, James M., New York, N. Y. Tension-equalizer for printing-press webs. No. 1,240,631; Sept. 18; v. 242; p. 668.
- Trieschmann, Luther H., Hartford, Conn. Holder ring or frame. No. 1,232,626; July 10; v. 240; p. 393.
- Triffshauser, George H., Batavia, N. Y. Ironing-board attachment. No. 1,221,487; Apr. 3; v. 237; p. 170.
- Trigg, John B., assignor of one-half to W. E. Hill, Jonah, Tex. Automatic binder attachment for hay-presses. No. 1,243,570; Oct. 16; v. 243; p. 733.
- Trigwell, Alfred J., San Jose, Cal. Frictional transmission mechanism. No. 1,246,359; Nov. 13; v. 244; p. 395.
- Trillitsch, Alfred R., Chicago, Ill. Automatic cut-out for switches. No. 1,241,580; Oct. 2; v. 243; p. 37.
- Trimble, John W., Amos, Mo., assignor of one-half to Deere & Company, Moline, Ill. Combined disk lister and planter. No. 1,247,744; Nov. 27; v. 244; p. 867.
- Trimble, Joseph A., and I. R. Concoff, Portland, Oreg. Direction-indicator for automobiles. No. 1,245,639; Nov. 6; v. 244; p. 151.
- Trimble, Neal & Company. (See Neal, Marshall S., assignor.)
- Trinkle, Christopher C., Romney, Ind. Compound for tempering steel. No. 1,243,899; Oct. 23; v. 243; p. 872.
- Trinks, Charles L. W. (See Mesta and Trinks.)
- Trinks, Franz, Brunswick, Germany. Calculating-machine. No. 1,215,219; Feb. 6; v. 235; p. 257.
- Trinks, Franz, Brunswick, Germany. Calculating-machine. No. 1,220,029; Mar. 20; v. 236; p. 810.
- Trinks, Franz, Brunswick, Germany. Calculating-machine. No. 1,220,030; Mar. 20; v. 236; p. 811.
- Trinks, Willibald, assignor, by mesne assignments, to National Brush Washing Machine Company, Pittsburgh, Pa. Gear or worm-wheel. No. 1,230,631; June 19; v. 239; p. 841.
- Trinler, Walter A., Rutherford, N. J. Machine for handling paving material. No. 1,217,533; Feb. 27; v. 235; p. 1202.
- Trio Manufacturing Company. (See Leveen, Swan J., assignor.)
- Trippke, Paul, Jersey City, N. J. Combined egg-separator and beating device. No. 1,237,585; Aug. 21; v. 241; p. 731.
- Trippke, Paul, Jersey City, N. J. Combined egg-separator and juice-extractor, and beating device. No. 1,238,461; Aug. 28; v. 241; p. 1047.
- Triple Airless Tire Company. (See Hileman, Andrew C., assignor.)
- Tripod, Henry L., Rison, Ark. Crosscut-saw handle. No. 1,247,181; Nov. 20; v. 244; p. 672.
- Tripp, Charles A., and O. E. McMeans, assignors to Holcomb & Hoke Mfg. Co., Indianapolis, Ind. Corn-popping machine. No. 1,251,304; Dec. 25; v. 245; p. 861.
- Tripp, Jacob W., New York, N. Y. Rule. No. 1,223,644; Apr. 24; v. 237; p. 1027.
- Tripp, John S. (See Remer and Tripp.)
- Trippel, Alfred L., Miami, Ariz. Camera. No. 1,232,125; July 3; v. 240; p. 200.
- Trippensee, Christ W., Jefferson City, Mo. Poultry-nest. No. 1,213,712; Jan. 23; v. 234; p. 1252.
- Trischett, Albert W., New York, N. Y. Edging. No. 1,236,999; Aug. 14; v. 241; p. 507.
- Trisman, John H., assignor to Consolidated Fire Works Co. of America, New York, N. Y. Grenade or bomb. No. 1,243,781; Oct. 23; v. 243; p. 835.
- Trist, Arthur R., London, England. Piston, plunger, and the like. No. 1,234,972; July 31; v. 240; p. 1257.
- Triumph Manufacturing Company, The. (See Pinkney, Bryan D., assignor.)
- Triumph Trap Co. (See Greene, Holdridge G., assignor.)
- Triumph Trap Co. (See Kinsley, Albert E., assignor.)
- Trivigno, Anthony, Brooklyn, N. Y. Twitch. No. 1,243,118; Oct. 16; v. 243; p. 599.
- Troeger, John F. R., Brooklyn, N. Y. Exhibition-screen for projecting-machines. No. 1,216,380; Feb. 20; v. 235; p. 758.
- Troendle, William C., assignor to The Toledo Wheelbarrow Company, Toledo, Ohio. Tenoning-machine. No. 1,223,125; Apr. 17; v. 237; p. 814.
- Trolano, Antonio, Yonkers, N. Y. Sanitary appliance. No. 1,243,462; Oct. 16; v. 243; p. 701.
- Troja, Louis F., assignor of one-half to G. R. Ludolph, Kansas City, Mo. Shipping-tag. No. 1,246,499; Nov. 13; v. 244; p. 439.
- Troje, Oscar R., Ensley, Ala. Toy projectile. No. 1,229,170; June 5; v. 239; p. 267.
- Troje, Oscar R., Ensley, Ala. Toy building-block. No. 1,236,234; Aug. 7; v. 241; p. 228.
- Troll, Frederick J., assignor to The Loadometer Company, Baltimore, Md. Load-indicator for motor-vehicles and the like. No. 1,227,503; May 22; v. 238; p. 1285.
- Troll, Frederick J., assignor to The Loadometer Company, Baltimore, Md. Load-controller for motor-vehicles. No. 1,227,504; May 22; v. 238; p. 1285.
- Troll, Frederick J., assignor to The Loadometer Company, Baltimore, Md. Load-indicator for vehicles. No. 1,227,505; May 22; v. 238; p. 1286.
- Troll, Frederick J., assignor to The Loadometer Company, Baltimore, Md. Load-indicator for vehicles. No. 1,227,506; May 22; v. 238; p. 1286.
- Trood, Samuel. (See Darrah and Trood.)
- Trood, Samuel, Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Movable element for electrical measuring instruments. No. 1,214,096; Jan. 30; v. 234; p. 1414.
- Trood, Samuel, Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Connector for electrical apparatus. No. 1,217,534; Feb. 27; v. 235; p. 1202.
- Trood, Samuel, Edgewood Park, and G. Chovan, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Making electrical conductors. No. 1,227,346; May 22; v. 238; p. 1234.
- Trood, Samuel, Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Snap-switch for sad-irons and the like. No. 1,248,575; Dec. 4; v. 245; p. 44.
- Trood, Samuel, New Castle, Pa., assignor to Industrial Development Company. Separating metal plates. No. 1,219,198; Mar. 13; v. 236; p. 493.
- Trood, Samuel, New Castle, Pa., assignor to Industrial Development Company. Machine for continuous treatment of metals. No. 1,224,340; May 1; v. 238; p. 82.
- Trood, Samuel, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical heating apparatus and making the same. No. 1,234,973; July 31; v. 240; p. 1258.
- Trood, Samuel, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Bur-moving machine. No. 1,248,576; Dec. 4; v. 245; p. 44.
- Troop, George W., assignor to The North & Judd Manufacturing Company, New Britain, Conn. Breast-chain terminal. No. 1,219,199; Mar. 13; v. 236; p. 493.
- Troost, Christian F., Arnhem, Netherlands. Hot-water-supply tank. No. 1,247,905; Nov. 27; v. 244; p. 914.
- Troppman, Charles J., assignor to F. A. Hardy & Company, Chicago, Ill. Binocular magnifier. No. 1,240,905; Sept. 25; v. 242; p. 788.
- Trosdahl, Knut, Christiania, Norway. Electric-current interrupter. No. 1,231,221; June 26; v. 239; p. 1078.
- Trosien, Charles G., assignor of one-fourth to M. E. Welch and one-fourth to A. Pack, Pontiac, Mich. Diaphragm-horn. No. 1,218,229; Mar. 6; v. 236; p. 119.
- Trosky, Bernhard, Brooklyn, N. Y. Razor-stroppler. No. 1,213,556; Jan. 23; v. 234; p. 1200.
- Trosky, Bernhard, Brooklyn, N. Y. Razor-stroppler. No. 1,229,826; June 12; v. 239; p. 538.
- Trost, William A., Seattle, Wash. Doll. No. 1,244,799; Oct. 30; v. 243; p. 1180.
- Trostel, Albert O., Milwaukee, Wis. Article of manufacture and producing the same. No. 1,250,051; Dec. 11; v. 245; p. 500.
- Trott, Alfred B., Denver, Colo. Door construction for vehicles. No. 1,239,986; Sept. 11; v. 242; p. 432.
- Trott, Alfred B., Denver, Colo. Automobile traffic-signal. No. 1,244,259; Oct. 23; v. 243; p. 979.
- Trott, Rolland S., Denver, Colo. Vehicle spring suspension. No. 1,218,819; Mar. 13; v. 236; p. 363.
- Trott, Rolland S., Denver, Colo. Vehicle spring suspension. No. 1,221,248; Apr. 3; v. 237; p. 87.
- Trott, Rolland S., Denver, Colo. Control mechanism for motor-vehicles. No. 1,221,925; Apr. 10; v. 237; p. 355.
- Trott, Rolland S., Denver, Colo. Driving mechanism for motor-vehicles. No. 1,247,745; Nov. 27; v. 244; p. 867.
- Trott, Rolland S., Denver, Colo. Vehicle-spring. No. 1,247,746; Nov. 27; v. 244; p. 868.
- Trott, Rolland S., Denver, Colo. Axle-mounting. No. 1,247,747; Nov. 27; v. 244; p. 868.
- Trott, Rolland S., Denver, Colo. Cantaliver-spring mounting. No. 1,247,748; Nov. 27; v. 244; p. 868.
- Trott, Rolland S., Denver, Colo. Vehicle spring suspension. No. 1,247,749; Nov. 27; v. 244; p. 868.
- Trotta, Giuseppe P., Wilkes-Barre, Pa. Horseshoe. No. 1,239,987; Sept. 11; v. 242; p. 432.
- Trotman, Walter K., Holyoke, Mass., assignor of one-half to C. D. Jacobs, New York, N. Y. Dandy-roll and other like devices such as cylinder-molds, &c. No. 1,244,562; Oct. 30; v. 243; p. 1109.
- Trotter, George F., assignor to Trotter Kerosene Carburetor Company, Des Moines, Iowa. Carburetor for internal-combustion engines. No. 1,248,954; Dec. 4; v. 245; p. 153.
- Trotter, John T., New York, N. Y. Tire. No. 1,213,557; Jan. 23; v. 234; p. 1201.
- Trotter Kerosene Carburetor Company. (See Trotter, George F., assignor.)
- Trotter, Richard M., et al. (See Wood, Pinckney A., assignor.)
- Troup, Calvin H., assignor to The Pennsylvania Match Company, Inc., Bellefonte, Pa. Attachment for match-boxes. No. 1,221,488; Apr. 3; v. 237; p. 170.
- Trout, Silas E., Philadelphia, Pa. Filing device. No. 1,216,017; Feb. 13; v. 235; p. 577.
- Trout, Silas E., Philadelphia, Pa. Filing device. No. 1,221,631; Apr. 3; v. 237; p. 219.
- Trout, Silas E., Philadelphia, Pa. Filing system. No. 1,224,976; May 8; v. 238; p. 354.
- Troutman, Phillip O., Sharon, Pa. Engine-valve. No. 1,220,291; Mar. 27; v. 236; p. 943.
- Troutt, Bertha, Rosemont, Pa. Bathing-shoe. No. 1,228,720; June 5; v. 239; p. 118.
- Trowbridge, Paul W., Franklin, La. Soldering-vise. No. 1,239,233; Sept. 4; v. 242; p. 165.
- Troxell, John W., Roby, Ill. Holding device for live stock. No. 1,223,126; Apr. 17; v. 237; p. 815.

- Troy, Albert, and E. M. Leonnig; said Leonnig assignor of one-fourth to P. Salmina, Kellogg, Idaho. Clothes-pounder. No. 1,216,519; Feb. 20; v. 235; p. 806.
- Troy Carriage Sun Shade Company, The. (See Dillingham, Frederick A., assignor.)
- Troy, Edward, Lacey, Iowa. Rotary machine. No. 1,251,305; Dec. 25; v. 245; p. 961.
- Troy Laundry Machinery Company. (See Balzer, Fritz, assignor.)
- Troy Laundry Machinery Company. (See Bartholomew, William, assignor.)
- Troy Laundry Machinery Company. (See Bartholomew and Broderick, assignors.)
- Troy Laundry Machinery Company. (See Bartholomew and Leary, assignors.)
- Troy Laundry Machinery Company. (See Bartholomew and Simon, assignors.)
- Troy Laundry Machinery Company. (See Bartholomew, Broderick, and Balzer, assignors.)
- Troy Laundry Machinery Company. (See Conway, William F., assignor.)
- Troy Wagon Works Company, The. (See Hudson, Warren R., assignor.)
- Troy Wagon Works Company. (See Hudson, Warren R., assignor.)
- Troy, Patrick J., Bristol, Conn. Ball-cock. No. 1,225,892; May 15; v. 238; p. 706.
- Troyan, Frank, Cleveland, Ohio. Necktie-fastener. No. 1,237,420; Aug. 21; v. 241; p. 679.
- Troyanoski, Maryan, assignor of one-half to F. Krupa, New Britain, Conn. Windmill. No. 1,249,859; Dec. 11; v. 245; p. 446.
- Trozzo, Frank, *et al.* (See Ross, Samuel L., assignor.)
- Truchinsky, Jacob. (See Klein, Oskar, assignor.)
- Trudeau, Theodore F., Williamansett, assignor to J. L. Perkins, Holyoke, Mass. Safety device for gage-glasses. No. 1,242,081; Oct. 2; v. 243; p. 194.
- Trudeau, Ulderic. (See Brown and Trudeau.)
- Trudel, Henry L., and H. B. Dawson, Ipswich, Mass., assignors, by mesne assignments, to Scott & Williams, Incorporated. Yarn cutter and holder mechanism for circular-knitting machines. No. 1,248,206; Nov. 27; v. 244; p. 997.
- True, Augustus S., assignor to Crane Puller Company, Arlington, Mass. Combination arbor-press. No. 1,251,136; Dec. 25; v. 245; p. 911.
- Trueblood, Barclay T., Seattle, Wash. Hypodermic syringe. No. 1,234,582; July 24; v. 240; p. 1101.
- Truemper, Charles J., Indianapolis, Ind. Awning. No. 1,222,907; Apr. 17; v. 237; p. 739.
- Truesdell, Arthur E., Adams, Mass. Recording-sampler. No. 1,228,078; May 29; v. 238; p. 1511.
- Truesdell, William H., *et al.* (See McKenzie, John L., assignor.)
- Truhan, Michael V., Bridger, Mont. Railway cattle-guard. No. 1,249,556; Dec. 11; v. 245; p. 356.
- Truhan, Mike, Bridger, Mont. Fluid-heater for lamps. No. 1,240,389; Sept. 18; v. 242; p. 595.
- Truitt, Clarence, Pomona, Cal. Electric oven. No. 1,218,341; Mar. 6; v. 236; p. 159.
- Truitt, Clarence, Pomona, Cal. Steam-cooker and hot-plate. No. 1,219,200; Mar. 13; v. 236; p. 493.
- Truman, Vin, Muskogee, and G. L. Skillen, Boynton, assignors to National Oil Well Electric Cleaning Co., Haskell, Okla. Oil-well heater. No. 1,232,736; July 10; v. 240; p. 431.
- Trumble, Milton J. (See Sturges, Walter, assignor.)
- Trumble, Milton J., Alhambra, Cal. Bottle holding and locking device. No. 1,227,220; May 22; v. 238; p. 1193.
- Trumble, Milton J., Los Angeles, Cal., assignor, by mesne assignments, to Simplex Refining Company. Double evaporator and treating petroleum-oils. No. 1,250,052; Dec. 11; v. 245; p. 500.
- Trumbower, David S., assignor of one-half to P. S. Stansbury, Coatesville, Pa. Fastener for covers of boxes. No. 1,217,668; Feb. 27; v. 235; p. 1250.
- Trumbull Electric Manufacturing Company, The. (See Ahlstrom, Carl A., assignor.)
- Trumbull Electric Manufacturing Company, The. (See Benzon, Frederick L., assignor.)
- Trumbull Electric Manufacturing Company, The. (See Ratcliffe, Roscoe, assignor.)
- Trumbull Electric Manufacturing Company, The. See Sutherland, Alexander K., assignor.)
- Trumbull, Harlan L., Seattle, Wash. Producing alkalis from kelp. No. 1,238,600; Aug. 28; v. 241; p. 1091.
- Trumbull Manufacturing Company, The. (See Lundin, Ragnar O. W., assignor.)
- Trumbull-Vanderpoel Electric Mfg. Co. (See Mason, Ralph K., assignor.)
- Trump, Charles C., Syracuse, N. Y., assignor to Humphrey Gas Pump Company. Ignition control. No. 1,227,979; May 29; v. 238; p. 1478.
- Trump, Charles C., Syracuse, N. Y., assignor to Humphrey Gas Pump Company. Utilizing dynamic pressure. No. 1,231,971; July 3; v. 240; p. 146.
- Trump, Edward N., Syracuse, assignor to The Solvay Process Company, Solvay, N. Y. Recovering salts from admixtures thereof in solution. No. 1,216,187; Feb. 13; v. 235; p. 638.
- Trumpfeller Manufacturing Corporation, The. (See Cooper, John W., assignor.)
- Trundle, George T., Jr., assignor to The American Multi-graph Company, Cleveland, Ohio. Milling-machine. No. 1,216,018; Feb. 13; v. 235; p. 578.
- Trundle, George T., Jr., assignor to The American Multi-graph Company, Cleveland, Ohio. Thread-milling machine. No. 1,216,019; Feb. 13; v. 235; p. 578.
- Trunk, Charles and G., Dundee, Oreg. Nut scouring and polishing machine. No. 1,231,100; June 26; v. 239; p. 1038.
- Trunk, George. (See Trunk, Charles and G.)
- Truscott, Harold S., Makaweli, Kauai, Hawaii. Calandria for vacuum drying-pans and the like. No. 1,249,557; Dec. 11; v. 245; p. 356.
- Truscott, Howard W., Portland, Oreg. Fluid-pressure pump. No. 1,226,417; May 15; v. 238; p. 886.
- Trussed Concrete Steel Company. (See Estler, Harry S., assignor.)
- Trussed Concrete Steel Company. (See Kahn, Julius, assignor.)
- Trussed Concrete Steel Company. (See Kane, Thomas H., assignor.)
- Trussed Concrete Steel Company. (See Plumb, Seymour, and Weed, assignors.)
- Trussed Concrete Steel Company. (See Plumb and Weed, assignors.)
- Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Loose-leaf binder. No. 1,238,846; Sept. 4; v. 242; p. 40.
- Trussell, Clyde B., Omaha, Nebr. Transmission-gearing. No. 1,236,789; Aug. 14; v. 241; p. 440.
- Trussell Manufacturing Company. (See Trussell, Clarence D., assignor.)
- Trust, John F., Hagerstown, Md. Trolley-pole wheel. No. 1,220,800; Mar. 27; v. 236; p. 1118.
- Trust, Josephine, Brooklyn, N. Y. Vegetable and fruit peeling machine. No. 1,226,418; May 15; v. 238; p. 887.
- Try Me Manufacturing Company. (See Millea, Thomas D., assignor.)
- Tscherning, Henry, Freeport, Ill. Sand-molding apparatus. No. 1,213,979; Jan. 30; v. 234; p. 1373.
- Tscherning, Henry, assignor to Arcade Manufacturing Company, Freeport, Ill. Sand-molding apparatus. No. 1,216,750; Feb. 20; v. 235; p. 887.
- Tscherning, Henry, assignor to Arcade Manufacturing Company, Freeport, Ill. Mold-support. No. 1,229,678; June 12; v. 239; p. 490.
- Tschoumakoff, Simon, Petrograd, Russia. Artificial leather. No. 1,228,848; June 5; v. 239; p. 162.
- Tubach, Emil F., Bernice, Pa. Mine-car door. No. 1,221,112; Apr. 3; v. 237; p. 37.
- Tubbs, Albert G., and L. W. Sweet, Ghent, N. Y. Garment. No. 1,247,469; Nov. 20; v. 244; p. 754.
- Tubbs, Amos C., Tradingpost, Kans. Range-finder. No. 1,250,717; Dec. 18; v. 245; p. 738.
- Tubbs, Oscar J., Winslow, Me. Sled. No. 1,225,529; May 8; v. 238; p. 540.
- Tubising, William F., Milwaukee, Wis. Time-recording watch. No. 1,235,260; July 31; v. 240; p. 1343.
- Tubising, William F., Milwaukee, Wis. Mold for forming ornamental concrete ceilings. No. 1,236,628; Aug. 14; v. 241; p. 385.
- Tubular Wall Company. (See Stubkjare, Joe A., assignor.)
- Tuck, Gustave, London, England. Picture or representation of objects in relief. No. 1,217,242; Feb. 27; v. 235; p. 1098.
- Tuck, Gustave, Moorfields, London, England. Child's building block or brick. No. 1,237,728; Aug. 21; v. 241; p. 778.
- Tucker, Albert L. (See Oehring, August J., assignor.)
- Tucker, Benjamin W. (See Herrmann and Tucker.)
- Tucker, Benjamin W. (See Kennedy and Tucker.)
- Tucker, Benjamin W., South Orange, N. J., assignor to Corona Typewriter Company. Type-writing machine. No. 1,222,497; Apr. 10; v. 237; p. 556.
- Tucker, Benjamin W., South Orange, N. J., and L. H. Arnold, Chicago, Ill., assignors to Malmag Brush Company, Inc. Brush-making machine. No. 1,240,516; Sept. 18; v. 242; p. 634.
- Tucker, Benjamin W., South Orange, N. J., and L. J. Dirand, New York, N. Y., assignors, by mesne assignments, to Corona Typewriter Company, Incorporated. Type-writing machine. No. 1,245,535; Nov. 6; v. 244; p. 119.
- Tucker, Benjamin W., South Orange, N. J., assignor to Corona Typewriter Company, Inc., Groton, N. Y. Type-writing machine. No. 1,247,348; Nov. 20; v. 244; p. 719.
- Tucker, Bird J., and J. L. Potts, Ithaca, Mich. Flat-filing cabinet. No. 1,217,243; Feb. 27; v. 235; p. 1098.
- Tucker, Edward A., Winchester, Mass. Concrete building construction. No. 1,244,663; Oct. 30; v. 243; p. 1139.
- Tucker, Edwin W., North Prairie, Wis. Automatic brake for baggage and express trucks. No. 1,211,011; Jan. 2; v. 234; p. 220.
- Tucker, Edwin W., North Prairie, Wis. Camera. No. 1,242,745; Oct. 9; v. 243; p. 446.
- Tucker, Edwin W., San Francisco, Cal. Fuel-oil burner. No. 1,223,301; Apr. 17; v. 237; p. 871.
- Tucker, Frank S., Boston, assignor of one-half to E. P. Severance, Brockton, Mass. Electric signaling apparatus. No. 1,239,141; Sept. 4; v. 242; p. 135.

- Tucker, Grover C., Tuscaloosa, assignor to Tucker Implement Co., Greensboro, Ala. Insect-destroyer. No. 1,236,629; Aug. 14; v. 241; p. 385.
- Tucker, Hamilton W., Washington, D. C. Hand-brace and wrist-support. No. 1,227,700; May 29; v. 238; p. 1381.
- Tucker Implement Co. (See Tucker, Grover C., assignor.)
- Tucker, Inman, Yuba City, Cal. Raisin-cleaning machine. No. 1,232,126; July 3; v. 240; p. 200.
- Tucker, Joseph W., Kissimmee, Fla., and W. A. McCool, Beaver Falls, Pa. Paving-brick. No. 1,220,292; Mar. 27; v. 236; p. 943.
- Tucker, Joseph W., Kissimmee, Fla., and W. A. McCool, Beaver Falls, Pa. Making bricks and the like. No. 1,220,293; Mar. 27; v. 236; p. 943.
- Tucker, Olivia W., Brooklyn, N. Y. Lamp-shade. No. 1,214,847; Feb. 6; v. 235; p. 125.
- Tucker, Oscar W., Lagrange, Ga. Sash-locking mechanism. No. 1,239,544; Sept. 11; v. 242; p. 292.
- Tucker, Walter C. (See Steele, Robert J., assignor.)
- Tucker, Walter J. (See Osborn and Tucker.)
- Tucker, William H., Dobbs Ferry, N. Y. Grass-plot foundation. No. 1,224,692; May 1; v. 238; p. 205.
- Tucker, Wilson H., Montclair, assignor of one-half to J. H. Spanjer, Bloomfield, N. J. Sign device or apparatus. No. 1,246,500; Nov. 13; v. 244; p. 437.
- Tudor, Robert H., assignor of one-fourth to J. W. Hubbard and one-fourth to W. N. Baker, Atlanta, Ga. Nose-clamp for eyeglasses. No. 1,228,721; June 5; v. 239; p. 118.
- Tueckmantel, Hugo, Irvington, N. J., assignor to The R. Neumann Hardware Co. Bag-frame fastener. No. 1,247,182; Nov. 20; v. 244; p. 672.
- Tuell, Pinckney V., Rosebud, S. D. Disinfecting-cabinet. No. 1,227,860; May 29; v. 238; p. 1437.
- Tuepker, August F. (See Goodin, Sebastian L., assignor.)
- Tufts, Andrew K., Vancouver, British Columbia, Canada. Mollifier or comforter. No. 1,236,235; Aug. 7; v. 241; p. 228.
- Tufts, John R., Trent, S. D. Locker-forming attachment for automobiles. No. 1,237,421; Aug. 21; v. 241; p. 679.
- Tufts, Robert B., Norfolk, Va. Reinforced concrete structure. No. 1,217,535; Feb. 27; v. 235; p. 1203.
- Tuggle, Benjamin P., Portland, Oreg., assignor to Redemption Gold Company, Seattle, Wash. Gold-separator. No. 1,235,945; Aug. 7; v. 241; p. 137.
- Tuggle, Charles H. (See Tuggle, Richard H., assignor.)
- Tuggle, Richard H., assignor of one-half to C. H. Tuggle, Quinton, Ala. Transmission-gearing. No. 1,245,404; Nov. 6; v. 244; p. 79.
- Tubey, Daniel, Dayton, Ohio. Internal-combustion engine. No. 1,218,132; Mar. 6; v. 236; p. 85.
- Tukey, James S., Belgrade, Me. Fishing-tackle. No. 1,250,053; Dec. 11; v. 245; p. 500.
- Tullar, William E., Chicago, Ill. Controlling means for motor-driven vehicles. No. 1,212,286; Jan. 16; v. 234; p. 723.
- Tullar, William E., assignor to The Respiratory Apparatus Company, Chicago, Ill. Apparatus for producing artificial respiration. No. 1,213,302; Jan. 23; v. 234; p. 1111.
- Tullar, William E., assignor to The Respiratory Apparatus Company, Chicago, Ill. Apparatus for producing artificial respiration. No. 1,241,056; Sept. 25; v. 242; p. 834.
- Tullis, David K., Glasgow, Scotland. Leather link and leather laminated belting. No. 1,250,247; Dec. 18; v. 245; p. 597.
- Tullis, John T., Hope, assignor of one-half to R. Munday, Fulton, Ark. Cloth measuring and folding machine. No. 1,238,961; Sept. 4; v. 242; p. 77.
- Tully, Francis W., Brookline, Mass. Fabric for mats, rugs, &c. No. 1,223,537; Apr. 24; v. 237; p. 990.
- Tully, Francis W., Brookline, Mass. Rug, mat, or other covering and making the same. No. 1,223,538; Apr. 24; v. 237; p. 990.
- Tully, Francis W., Brookline, Mass. Game apparatus. No. 1,245,640; Nov. 6; v. 244; p. 151.
- Tully, Francis W., Brookline, Mass. Tea-ball. No. 1,247,906; Nov. 27; v. 244; p. 914.
- Tully, Francis W., Brookline, Mass. Flat-iron. No. 1,247,907; Nov. 27; v. 244; p. 915.
- Tully, George L., assignor to American Optical Company, Southbridge, Mass. Eye-protector. No. 1,248,758; Dec. 4; v. 245; p. 98.
- Tully, Henry C., Toledo, Ohio. Railway motor-car. No. 1,215,033; Feb. 6; v. 235; p. 211.
- Tully, Thomas D., Brooklyn, N. Y. Egg-container. No. 1,215,220; Feb. 6; v. 235; p. 257.
- Tumalty, John W., Chicago, Ill. Carbureter. No. 1,239,234; Sept. 4; v. 242; p. 165.
- Tung-Lok Silo and Tank Company. (See Cronmeyer, Frederick W., assignor.)
- Tunnell, Raymond W., Philadelphia, Pa. Vegetable glue or adhesive. No. 1,248,039; Nov. 27; v. 244; p. 949.
- Tuohimaa, John, Ironwood, Mich. Garment-hanger. No. 1,233,001; July 10; v. 240; p. 517.
- Turbayne, William A., Niagara Falls, N. Y., assignor, by mesne assignments, to The U. S. Light & Heat Corporation, Niagara Falls, N. Y. Automatic starter and lighter for automobiles. No. 1,217,244; Feb. 27; v. 235; p. 1099.
- Turbayne, William A., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Dynamo-electric machine. No. 1,223,449; Apr. 24; v. 237; p. 956.
- Turbayne, William A., Niagara Falls, N. Y., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. System of electrical regulation. No. 1,228,849; June 5; v. 239; p. 162.
- Turbayne, William A., Buffalo, N. Y., assignor, by mesne assignments, to The U. S. Light & Heat Corporation, Niagara Falls, N. Y. Electric regulator. No. 1,236,630; Aug. 14; v. 241; p. 386.
- Turbayne, William A., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Dynamo-electric machine. No. 1,250,718; Dec. 18; v. 245; p. 738.
- Turbayne, William A., assignor, by mesne assignments, to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Variable-speed motor. No. 1,250,719; Dec. 18; v. 245; p. 738.
- Turbayne, William A., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Starting and lighting system. No. 1,250,720; Dec. 18; v. 245; p. 738.
- Turbeville, Maxie D., assignor of one-half to A. H. Williams, Lake City, S. C. Fertilizer-distributor. No. 1,227,701; May 29; v. 238; p. 1382.
- Turbo Company. (See Griepke, Augustus W. H., assignor.)
- Turley, Thomas B., Washington, D. C. Apparatus for feeding fire-hose. No. 1,224,046; Apr. 24; v. 237; p. 1165.
- Turnage, Alfred A., San Jose, Cal. Belt. No. 1,246,684; Nov. 13; v. 244; p. 491.
- Turnbow, William C., Houston, Tex. Truck. No. 1,242,390; Oct. 9; v. 243; p. 333.
- Turnbull, Henry A., Surrey Hills, Victoria, Australia. Water-tube boiler. No. 1,229,171; June 5; v. 239; p. 268.
- Turnbull, Thomas, Huntington, W. Va. Mail-box. No. 1,245,136; Oct. 30; v. 243; p. 1282.
- Turnbull, William, Stockton, Cal., assignor to Holt Manufacturing Company, Peoria, Ill. Automatic steering-gear for tractors and the like. No. 1,228,377; May 29; v. 238; p. 1607.
- Turner, Albert. (See Wilcox, Turner, and Dunbar.)
- Turner, Archibald, Leicester, England. Elastic webbing. No. 1,221,489; Apr. 3; v. 237; p. 171.
- Turner Brothers Company. (See Pawling, Francis W., assignor.)
- Turner, Charles H., assignor of one-half to J. Adelberger, Jacksonville, Fla. Attachment for scales. No. 1,250,721; Dec. 18; v. 245; p. 739.
- Turner, Charles H., assignor to Osgood Bradley Car Company, Worcester, Mass. Metal car-window frame. No. 1,210,565; Jan. 2; v. 234; p. 65.
- Turner, Charles H., assignor to Osgood Bradley Car Company, Worcester, Mass. Car-ventilator. No. 1,245,826; Nov. 6; v. 244; p. 207.
- Turner, Charles S. (See Geoghegan, Mayo, and Turner.)
- Turner, Clarence C., assignor to J. A. Schmidtke, Portland, Oreg. Tire-filling composition. No. 1,216,249; Feb. 13; v. 235; p. 660.
- Turner, Claud L., P. E. Whitehead, and S. C. Clarke, Gering, Nebr. Automatic air-coupling device for railway-trains. No. 1,219,055; Mar. 13; v. 236; p. 444.
- Turner, Claude A. P., Minneapolis, Minn., assignor to C. A. P. Turner Company. Flat-slab floor. No. 1,217,536; Feb. 27; v. 235; p. 1203.
- Turner, Ernest, Alexander City, Ala. Subsoiling device. No. 1,246,501; Nov. 13; v. 244; p. 437.
- Turner, Ernest J., Pittsburgh, Pa. Feeder for ingot-molds. No. 1,211,899; Jan. 9; v. 234; p. 558.
- Turner, Frank A., assignor of one-half to J. M. Jackson, Boston, and one-fourth to A. E. Kilham, Beverly, Mass. Resilient wheel. No. 1,221,393; Apr. 3; v. 237; p. 137.
- Turner, Frank F., Little Falls, Minn. Hot-water furnace. No. 1,218,133; Mar. 6; v. 236; p. 85.
- Turner, Frederick E., assignor to Kansas City Elevator Manufacturing Company, Kansas City, Mo. Safety mechanism for elevators. No. 1,249,860; Dec. 11; v. 245; p. 446.
- Turner, George F., Mahoningtown, Pa. Exhaust-muffler. No. 1,213,558; Jan. 23; v. 234; p. 1201.
- Turner, George G., New York, and C. H. Leighton, Brooklyn, N. Y. Extraction of coconut-oils. No. 1,247,597; Nov. 20; v. 244; p. 790.
- Turner, George T., Philadelphia, Pa. Apparatus for manufacturing artificial ice. No. 1,225,893; May 15; v. 238; p. 706.
- Turner, George W., assignor of one-half to J. Bowers, Jr., Argenta, Ark. Spring-motor for fans. No. 1,214,848; Feb. 6; v. 235; p. 126.
- Turner, Giles M., St. Charles, Ill. Sheet-metal seating. No. 1,230,948; June 26; v. 239; p. 985.
- Turner, Harry C., Los Angeles, Cal. Spring-recoil grip. No. 1,232,443; July 3; v. 240; p. 300.
- Turner, James. (See Crabill and Turner.)
- Turner, James R., Chicago, Ill. Temporary binder. No. 1,220,294; Mar. 27; v. 236; p. 944.
- Turner, John, Moonsee Ponds, Victoria, Australia. Appliance for the total destruction of night-soil and the like. No. 1,236,503; Aug. 14; v. 241; p. 345.
- Turner, John C., Dayton, Ohio. Wheeled toy. No. 1,225,894; May 15; v. 238; p. 706.

- Turner, Joseph B., assignor of forty one-hundredths to J. A. Johnson, Sulphur, La. Music-leaf turner. No. 1,226,280; May 15; v. 238; p. 843.
- Turner, Joseph P., assignor to Hyde-Murphy Company, Ridgway, Pa. Joint-clamp. No. 1,226,419; May 15; v. 238; p. 887.
- Turner, Leland M., Port Washington, Wis. Valve mechanism for gas-engines. No. 1,220,380; Mar. 27; v. 236; p. 974.
- Turner, Mahlon C., Poughkeepsie, N. Y., assignor to The De Laval Separator Company. Adjustable crank. No. 1,215,747; Feb. 13; v. 235; p. 479.
- Turner, Perry W., Myndus, N. Mex. Drying-kiln. No. 1,221,776; Apr. 3; v. 237; p. 268.
- Turner & Seymour Manufacturing Co., The. (See Hills, Sidney C., assignor.)
- Turner, Simeon, Warren, Ind. Automatic railway-gate. No. 1,243,643; Oct. 16; v. 243; p. 756.
- Turner Tanning Machinery Company, The. (See Roche, Wesley C., assignor.)
- Turner, Thomas E., and O. J. Heath, Springfield, Ohio, assignors to International Harvester Company of New Jersey. Hay-baling press. No. 1,237,586; Aug. 21; v. 241; p. 732.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake apparatus. No. 1,214,614; Feb. 6; v. 235; p. 46.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electrically-controlled brake. No. 1,214,615; Feb. 6; v. 235; p. 46.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electro-pneumatic brake. No. 1,214,616; Feb. 6; v. 235; p. 47.
- Turner, Walter V., Edgewood borough, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Trip-valve device for air-brakes. No. 1,218,721; Mar. 13; v. 236; p. 326.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-valve device. No. 1,219,605; Mar. 20; v. 236; p. 663.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-cylinder-pressure regulator. No. 1,219,606; Mar. 20; v. 236; p. 664.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Booster-valve for air-brakes. No. 1,221,926; Apr. 10; v. 237; p. 356.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Piston-rotator. No. 1,228,496; June 5; v. 239; p. 41.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Straight-air emergency-brake. No. 1,228,498; June 5; v. 239; p. 42.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Engineer's brake-valve device. No. 1,228,499; June 5; v. 239; p. 742.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Engineer's brake-valve. No. 1,228,500; June 5; v. 239; p. 43.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure-brake apparatus. No. 1,241,581; Oct. 2; v. 243; p. 37.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure-brake apparatus. No. 1,241,582; Oct. 2; v. 243; p. 37.
- Turner, Walter V., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. No. 1,249,558; Dec. 11; v. 245; p. 356.
- Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake and safety car control. No. 1,224,238; May 1; v. 238; p. 44.
- Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Vacuum-brake device. No. 1,230,950; June 26; v. 239; p. 985.
- Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. No. 1,230,951; June 26; v. 239; p. 986.
- Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake device. No. 1,230,952; June 26; v. 239; p. 986.
- Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Release-valve for vacuum-brakes. No. 1,230,953; June 26; v. 239; p. 987.
- Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. No. 1,243,012; Oct. 16; v. 243; p. 566.
- Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic train control. No. 1,243,782; Oct. 23; v. 243; p. 835.
- Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electro-fluid-pressure brake. No. 1,245,288; Nov. 6; v. 244; p. 43.
- Turner, Walter V., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. No. 1,251,137; Dec. 25; v. 245; p. 911.
- Turner, Walter V., and P. H. Donovan, Edgewood, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic electric brake. No. 1,228,497; June 5; v. 239; p. 42.
- Turner, Walter V., Edgewood, Pa., and E. H. Dewson, New York, N. Y., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable-load brake. No. 1,230,949; June 26; v. 239; p. 985.
- Turner, Wiley E., Coleman, Tex. Weaning-bit. No. 1,234,425; July 24; v. 240; p. 1052.
- Turner, William D., Tucson, Ariz. Egg-beater. No. 1,223,839; Apr. 24; v. 237; p. 1095.
- Turner, William E., Toppemish, Wash. Valve-grinder. No. 1,217,669; Feb. 27; v. 235; p. 1250.
- Turner, William W., Philadelphia, Pa. Wheel-extractor for automobiles. No. 1,222,908; Apr. 17; v. 237; p. 739.
- Turney, Eugene T., New York, N. Y. Non-magnetizable watch. No. 1,247,470; Nov. 20; v. 244; p. 754.
- Turney, Eugene T., New York, N. Y., assignor to American Player Action Company. Door-operating mechanism for player-pianos. No. 1,241,583; Oct. 2; v. 243; p. 38.
- Turney, Eugene T., New York, N. Y., assignor to American Player Action Company. Automatic tracker for piano-players. No. 1,250,722; Dec. 18; v. 245; p. 739.
- Turney, Fredrick W., Ballston Lake, N. Y. Check-controlled apparatus. No. 1,245,405; Nov. 6; v. 244; p. 79.
- Turney, George W., assignor to Rome-Turney Radiator Co., Rome, N. Y. Making radiator-tubes. No. 1,217,537; Feb. 27; v. 235; p. 1203.
- Turney, George W., assignor to Rome-Turney Radiator Co., Rome, N. Y. Radiator. No. 1,225,895; May 15; v. 238; p. 707.
- Turnquist, Magnus W., Chicago, Ill. Phonograph. No. 1,249,251; Dec. 4; v. 245; p. 238.
- Turpin, Herman L., Dallas, Tex. Rail-plate. No. 1,219,201; Mar. 13; v. 236; p. 493.
- Turpin, William A., London, and D. G. Snodgrass, assignors to The Dunlop Rubber Company, Limited, Birmingham, England. Machine for studding tire-bands and tire-treads, and for similar purposes. No. 1,237,422; Aug. 21; v. 241; p. 679.
- Turrell, John C., Mount Vernon, assignor to Earl & Willson, Troy, N. Y. Collar. No. 1,243,463; Oct. 16; v. 243; p. 701.
- Tüschel, Gustav, New York, N. Y. Composite lumber and manufacturing the same. No. 1,217,369; Feb. 27; v. 235; p. 1141.
- Tussing, Benjamin F., Fruitland, Idaho. Sizing-machine. No. 1,219,056; Mar. 13; v. 236; p. 445.
- Tute, Robert A., Atlanta, Ga. Means for protecting a vessel against torpedoes. No. 1,242,082; Oct. 2; v. 243; p. 194.
- Tuthill, James A., Los Angeles, Cal. Lawn-sprinkler. No. 1,216,630; Feb. 20; v. 235; p. 847.
- Tuthill, Victor M., Grand Rapids, Mich. Universal knife-holding bar. No. 1,214,241; Jan. 30; v. 234; p. 1463.
- Tuthill, William C., Long Island City, N. Y. Machine for applying sand, powder, or similar substances to molds. No. 1,250,531; Dec. 18; v. 245; p. 682.
- Tuttle, Frank, and L. T. Hall, Houston Heights, Tex.; said Tuttle assignor to said Hall. Casing-shoe. No. 1,246,360; Nov. 13; v. 244; p. 395.
- Tuttle, George H., Lincoln, Nebr. Razor. No. 1,239,644; Sept. 11; v. 242; p. 323.
- Tuttle, Henry A., Taunton, Mass. Reversing-gearing. No. 1,221,113; Apr. 3; v. 237; p. 38.
- Tuttle, Henry A., Taunton, Mass. Reversing-gearing. No. 1,246,502; Nov. 13; v. 244; p. 438.
- Tuttle, Henry A., Taunton, Mass. Reversing-gearing. No. 1,246,503; Nov. 13; v. 244; p. 438.
- Tuttle, Henry A., assignor to Evans Stamping & Plating Company, Taunton, Mass. Clutch mechanism for reversing-gearing. No. 1,241,057; Sept. 25; v. 242; p. 834.
- Tuttle, Orley C., Old Forge, N. Y. Snow-shoe harness. No. 1,230,447; June 19; v. 239; p. 778.
- Tuttle, Phil S., Johnsonburg, Pa. Sampling device for pulp-digesters. No. 1,222,249; Apr. 10; v. 237; p. 468.
- Tuttle, Ralph P. (See Loughridge and Tuttle.)
- Tuttle, Ralph P., New York, N. Y. Semaphore-signal device. No. 1,216,020; Feb. 13; v. 235; p. 578.
- Tuttle, Ralph P., New York, N. Y., and M. H. Loughridge, Woodcliffe-on-Hudson, N. J. Semaphore signal device. No. 1,242,891; Oct. 9; v. 243; p. 493.
- Tuttle, Robert L., assignor of one-half to F. G. Cullom, St. Charles, Mo. Mirror. No. 1,250,723; Dec. 18; v. 245; p. 739.
- Tuttle, Walter I., Providence, R. I. Wheel-pulling device. No. 1,230,448; June 19; v. 239; p. 779.
- Tuttle, Walter I., Providence, R. I. Beam construction. No. 1,249,559; Dec. 11; v. 245; p. 357.
- Tutwiler, James H., Atlanta, Ga. Coal-unloading device. No. 1,231,462; June 26; v. 239; p. 1158.
- Twaits, Daniel H., Chicago, Ill. Self-closing oil-cup. No. 1,222,909; Apr. 17; v. 237; p. 739.
- Twaits, Daniel H., Chicago, Ill. Grease-cup body. No. 1,222,910; Apr. 17; v. 237; p. 740.
- Twaits, Daniel H., Chicago, Ill. Grease-cup cap. No. 1,225,077; May 8; v. 238; p. 387.

Alphabetical list of patentees—Continued.

- Twalts, Daniel H., Chicago, Ill. Grease-cup base. No. 1,225,078; May 8; v. 238; p. 388.
- Twalts, Daniel H., Chicago, Ill. Grease-cup body. No. 1,225,375; May 8; v. 238; p. 491.
- Twalts, Daniel H., Chicago, Ill. Grease-cup. No. 1,226,725; May 22; v. 238; p. 1024.
- Twalts, Daniel H., Chicago, Ill. Grease-cup. No. 1,241,584; Oct. 2; v. 243; p. 38.
- Tweddell, Oscar G., Detroit, Mich. Door-hinge. No. 1,231,313; June 26; v. 239; p. 1108.
- Tweeddale, Daniel E., assignor of one-half to L. W. Sanford, Manteca, Cal. Sanitary can-perforator. No. 1,230,344; June 19; v. 239; p. 745.
- Tweedie, Charles, Jefferson City, Mo. Making shoes. No. 1,230,954; June 26; v. 239; p. 987.
- Tweedy, Stanley E., Troy, Idaho. Windmill attachment. No. 1,211,643; Jan. 9; v. 234; p. 467.
- 20th Century Machinery Company, The. (See Beutlich, Richard F., assignor.)
- Twentieth Century Machinery Company, The. (See Volz, Simon, assignor.)
- Twiddy, Albert E., and J. Stally, Seven-Oaks, England. Lighting system. No. 1,241,585; Oct. 2; v. 243; p. 39.
- Twigg, Henry A., and G. Anderson, Denver, Colo. Valve construction. No. 1,233,987; July 17; v. 240; p. 857.
- Twin City Feeder Manufacturing Company. (See Peterson, Andrew J., assignor.)
- Twin City Four-Wheel Drive Company. (See Ware, Joseph L., assignor.)
- Twin-Rim Company. (See Frederick, William A., assignor.)
- Twin Screw Pump Co. (See Holdaway, William S., assignor.)
- Twining, Ralph H., and R. W. G. Wyckoff, Geneva, N. Y. Producing an explosive compound. No. 1,242,900; Oct. 9; v. 243; p. 495.
- Twinting, George T., Pasadena, Cal. Camera-operating device. No. 1,216,021; Feb. 13; v. 235; p. 579.
- Twiss, George V., assignor of one-half to Bullers, Limited, London, England. Supporting lengths of wire. No. 1,234,583; July 24; v. 240; p. 1102.
- Twitchell, George B., Cincinnati, Ohio. Casing for sausages and preparing. No. 1,225,530; May 8; v. 238; p. 541.
- Twitchell, Myron A., Elk Point, S. D., assignor of one-half to C. A. Green, Sioux City, Iowa. Lock-washer. No. 1,238,962; Sept. 4; v. 242; p. 78.
- Twitchell, Myron A., Elk Point, assignor to C. C. Crandall, Sioux Falls, S. D., B. Couch and M. S. Crandall, Sioux City, Iowa. Animal-trap. No. 1,241,058; Sept. 25; v. 242; p. 835.
- Twitchell Process Company. (See Petroff, Grigori, assignor.)
- Twite, Lars M., Colfax, Wash. Hose-reel. No. 1,228,501; June 5; v. 239; p. 43.
- Two Rivers Plating & Mfg. Co. (See Mixa, Henry D., assignor.)
- Two Way Tractor Company, The. (See Scott, Ira L., assignor.)
- Twombly Car Corporation. (See Twombly, Willard I., assignor.)
- Twombly, Nathaniel, Eastonville, Colo. Door-latch. No. 1,213,040; Jan. 16; v. 234; p. 986.
- Twombly, Willard I., assignor, by mesne assignments, to H. W. Jessup, trustee, New York, N. Y. Internal-combustion engine. No. 1,219,607; Mar. 20; v. 236; p. 664.
- Twombly, Willard I., assignor, by mesne assignments, to H. W. Jessup, trustee, New York, N. Y. Internal-combustion engine. No. 1,221,114; Apr. 3; v. 237; p. 38.
- Twombly, Willard I., assignor, by mesne assignments, to H. W. Jessup, trustee, New York, N. Y. Valve mechanism for internal-combustion engines. No. 1,233,621; July 17; v. 240; p. 757.
- Twombly, Willard I., assignor to Twombly Car Corporation, New York, N. Y. Starting device for engines. No. 1,220,572; Mar. 27; v. 236; p. 1041.
- Twombly, Willard I., assignor to Twombly Car Corporation, New York, N. Y. Steering mechanism. No. 1,225,289; May 8; v. 238; p. 459.
- Twombly, Willard I., assignor to Twombly Car Corporation, New York, N. Y. Hood for engines of motor-vehicles. No. 1,226,610; May 15; v. 238; p. 946.
- Twombly, William F., Orient, Iowa. Brush and timber cutting device. No. 1,225,531; May 8; v. 238; p. 541.
- Twomley, Melvan L., Anderson, Ind., assignor, by mesne assignments, to Sefton Manufacturing Company, Millbrook, N. Y. Manufacture of paper-board. No. 1,243,013; Oct. 16; v. 243; p. 556.
- Twyford, Cary B., Sistersville, W. Va. Device for cleaning cloth. No. 1,224,581; May 1; v. 238; p. 167.
- Twyman, B. Wycliffe. (See Patterson, Harry R., assignor.)
- Ty-Sa-Man Machine Company. (See Spears, Joseph H., assignor.)
- Tyden, Emil, Evanston, Ill. Friction-locked grease-cup. No. 1,240,906; Sept. 25; v. 242; p. 789.
- Tygdard, James W., Plainfield, N. J. Internal-combustion engine. No. 1,229,172; June 5; v. 239; p. 268.
- Tyler, Allen C., et al. (See Schneider, Frederick, assignor.)
- Tyler, Clifford M., Brookline, Mass. Damper. No. 1,224,516; May 1; v. 238; p. 143.
- Tyler, Edmund J., Chicago, Ill. Apparatus for producing artificial respiration. No. 1,243,900; Oct. 23; v. 243; p. 872.
- Tyler, Edward B. (See Staaf, Werner I., assignor.)
- Tyler, George S., Baltimore, Md., assignor of forty-nine one-hundredths to G. H. Welfel, Baltimore, Md. Saw leveling and stretching machine. No. 1,228,990; June 5; v. 239; p. 207.
- Tyler, George W., Boston, Mass. Automatic applying and sealing device. No. 1,230,240; June 19; v. 239; p. 711.
- Tyler, Hugh C., Columbus, Ohio. Vacuum-cleaner. No. 1,218,134; Mar. 6; v. 236; p. 86.
- Tyler, William C., and G. B. Heffelfinger, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire-mounting chuck. No. 1,251,138; Dec. 25; v. 245; p. 912.
- Tyler, Wilson S., Keota, Colo. Tag fastener and protector. No. 1,239,545; Sept. 11; v. 242; p. 292.
- Tylor, Charles W., executor. (See Esty, William.)
- Tyman, Henry J. (See Ruit and Maher, assignors.)
- Tynan, Henry J., Paterson, N. J. Stripping-stand. No. 1,222,697; Apr. 17; v. 237; p. 669.
- Tyner, Henry V., and J. W. Millsap, Paragould, Ark. Stovepipe-anchor. No. 1,248,207; Nov. 27; v. 244; p. 997.
- Tynes, Lucius M., Gloster, Miss. Attachment for sewing-machines. No. 1,227,980; May 29; v. 238; p. 1479.
- Tynes, Lucius M., Fort Worth, Tex. Fish-cord shoe. No. 1,227,981; May 29; v. 238; p. 1479.
- Tynes, Minor E., Gloster, Miss. Sewing-machine attachment. No. 1,249,560; Dec. 11; v. 245; p. 357.
- Typewriting Calculating Attachment Company. (See Tillman, Ferdinand J., assignor.)
- Tyrer, Daniel, Stockton, England. Sulfonation of hydrocarbons. No. 1,210,725; Jan. 2; v. 234; p. 120.
- Tyrer, Daniel, Stockton, England. Manufacture of phenol. No. 1,210,726; Jan. 2; v. 234; p. 121.
- Tyson, Alfred, Evanston, Ill. Turf-ventilator. No. 1,217,245; Feb. 27; v. 235; p. 1099.
- Tyson, Frank, Canton, Ohio. Ice-cream freezer. No. 1,210,727; Jan. 2; v. 234; p. 121.
- Tyson, Frank, assignor to M. W. Miller, Canton, Ohio. Ice-cream freezer. No. 1,227,702; May 29; v. 238; p. 1382.
- Tyson, Frederick S., Lock Haven, Pa. Chock. No. 1,248,955; Dec. 4; v. 245; p. 154.
- Yssey, Hans C., Manistee, Mich. Intermediate sole for shoes. No. 1,221,632; Apr. 3; v. 237; p. 219.
- Tzibides, James N., Beachmont, Mass. Machine for wrapping tips on cigarettes and the like. No. 1,231,814; July 3; v. 240; p. 94.
- Tzibides, James N., Beachmont, Mass. Apparatus for handling cigarettes and similar articles. No. 1,236,019; Aug. 7; v. 241; p. 161.
- U Auto C Corporation. (See Raymond, Owen H., assignor.)
- U-Need-A Starter Company. (See Hartung, Frank H., assignor.)
- U. S. Bobbin & Shuttle Company. (See Allen, Robert H., assignor.)
- U. S. Bobbin & Shuttle Company. (See Baldwin, Luther C., assignor.)
- U. S. Bolt Lock Company. (See Liberman, Charles, assignor.)
- U. S. Indestructible Tie Manufacturing Company. (See Shearer, Frederick C., assignor.)
- U. S. Light & Heat Corporation. (See Bliss, William L., assignor.)
- U. S. Light & Heat Corporation. (See Carpenter, Campbell C., assignor.)
- U. S. Light & Heat Corporation. (See Carpenter and Ellis, assignors.)
- U. S. Light & Heat Corporation. (See Cartwright, David J., assignor.)
- U. S. Light & Heat Corporation. (See Engel, Frank, assignor.)
- U. S. Light & Heat Corporation. (See Gauss, Julius M., assignor.)
- U. S. Light & Heat Corporation. (See Powell, Harry H., assignor.)
- U. S. Light & Heat Corporation. (See Turbayne, William A., assignor.)
- U. S. Safety Egg Carrier Co., The. (See Rodwell, George H., assignor.)
- U. S. Slicing Machine Company. (See McCormick, John I., assignor.)
- U. S. Slicing Machine Company. (See Stiles, Edward M., assignor.)
- U. S. Slicing Machine Company. (See Stukart, Hendrik, assignor.)
- U. S. Steel Furniture Company. (See Ohnstrand, Enoch, assignor.)
- U. S. Wind Engine & Pump Co. (See Roeffs, Anton J., assignor.)
- Uber, Dan W., Sheffield, Pa. Measuring apparatus. No. 1,228,991; June 5; v. 239; p. 207.
- Uber, Victor. (See Kirbach and Uber.)
- Ucar, Florencio C., Madrid, Spain. Atomizing metal in a state of fusion. No. 1,245,536; Nov. 6; v. 244; p. 119.
- Uckotter, George J. (See English, Andrew J., assignor.)
- Udall, Frank D., Ironwood, Mich. Sheave or pulley. No. 1,222,818; Apr. 17; v. 237; p. 710.

- Uebelmesser, Charles, New York, N. Y., assignor to Cru Patents Corporation. Film-reel shaft. No. 1,227,094; May 22; v. 238; p. 1151.
- Uebelmesser, Elizabeth M. (See Segel, Michael, assignor.)
- Ueberroth, Harvey M. (See Raub, Henry T., assignor.)
- Uffert, Walter B., Hempstead, N. Y. Window-closing device. No. 1,211,012; Jan. 2; v. 234; p. 220.
- Zfford, Charles A., Boston, Mass. Adjustable dress-form. No. 1,221,490; Apr. 3; v. 237; p. 171.
- Uffand, Harry, et al. (See Carmody, Harold J., assignor.)
- Uhl, Clement R., Toledo, Ohio. Caster-holding means for furniture-legs. No. 1,229,547; June 12; v. 239; p. 445.
- Uhl, Clement R., Toledo, Ohio. Article of furniture. No. 1,240,390; Sept. 18; v. 242; p. 596.
- Uhl, Frank J., Syracuse, N. Y. Tab for music-sheet leaves. No. 1,234,974; July 31; v. 240; p. 1258.
- Uhl, William T., Los Angeles, Cal. Automatic water control for cuspidors. No. 1,245,406; Nov. 6; v. 244; p. 79.
- Uhlmann, William R., Chicago, Ill. Lens-mounting. No. 1,250,248; Dec. 18; v. 245; p. 597.
- Uhleln, John C., Watertown, N. Y. Non-refillable bottle. No. 1,210,728; Jan. 2; v. 234; p. 121.
- Uhlen, Traugott C. (See Lyon, John S., assignor.)
- Uhlín, Richard A. (See Pingree and Uhlín.)
- Uhlín, Richard A., Seattle, Wash. Regulator for oil-burners. No. 1,217,538; Feb. 27; v. 235; p. 1204.
- Uhlis, Frank A., Cheraw, Colo. Hay-stacker. No. 1,221,491; Apr. 3; v. 237; p. 172.
- Uhlis, John A., Salmons, Ky. Animal-trap. No. 1,244,563; Oct. 30; v. 243; p. 1109.
- Uhrinecz, Charly and J., Binghamton, N. Y. Resilient-tire structure. No. 1,232,127; July 3; v. 240; p. 201.
- Uhrinecz, John. (See Uhrinecz, Charly and J.)
- Ujdur, Anton, Park City, Utah. Surgical splint. No. 1,220,476; Mar. 27; v. 236; p. 1008.
- Ulberg, John A., Mott, N. D. Rotary engine. No. 1,248,208; Nov. 27; v. 244; p. 997.
- Ulfers, Ira, and F. C. Asimos, assignors to Perfection Vapor Light Company, Freeport, Ill. Vapor-lamp. No. 1,231,673; July 3; v. 240; p. 46.
- Ulferts, Behrend, Lakefield, Minn. Automatic alarm system. No. 1,211,644; Jan. 9; v. 234; p. 467.
- Uline, Michiel J., Cleveland, Ohio. Locking device. No. 1,211,013; Jan. 2; v. 234; p. 221.
- Ullman Manufacturing Company, The. (See Sass, Henry A., assignor.)
- Ullman, Otto F., Severy, Kans. Hoeing-machine. No. 1,228,992; June 5; v. 239; p. 208.
- Ullrich, Edmund, and E. A. Alcayde, Mexico, Mexico. Nut-breaking machine. No. 1,232,409; July 3; v. 240; p. 289.
- Ullrich, Otto W. (See Schubert, Edward, assignor.)
- Ullsperger, Wenzel L., Coleridge, Nebr. Loading device for cars and wagons. No. 1,236,890; Aug. 14; v. 241; p. 471.
- Ullsperger, Wenzel L., Coleridge, Nebr. Manure-loader. No. 1,242,083; Oct. 2; v. 243; p. 195.
- Ulmann, Carl J., New York, N. Y. Device for winding yarn and the like. No. 1,224,977; May 8; v. 238; p. 354.
- Ulmer, Irvin J. (See Ulmer, Jacob L. and I. J.)
- Ulmer, Jacob L., and I. J., Louisville, Ky. Fire-preventing attachment for moving-picture machines. No. 1,250,724; Dec. 18; v. 245; p. 740.
- Ulmer, John M. (See MacMullan and Ulmer.)
- Ulrich, Carl F., Buffalo, N. Y. Expanding chuck. No. 1,250,532; Dec. 18; v. 245; p. 683.
- Ulrich, Charles, Roselle, N. J. Window-catch. No. 1,242,391; Oct. 9; v. 243; p. 333.
- Ulrich, Charles B., Houghton, Mich., assignor to Art Metal Construction Company, Jamestown, N. Y. Shelving. No. 1,227,703; May 29; v. 238; p. 1382.
- Ulrich, Charles B., Houghton, Mich., assignor to Art Metal Construction Company, Jamestown, N. Y. Filing-cabinet. No. 1,227,704; May 29; v. 238; p. 1383.
- Ulrich, Charles B., assignor to Art Metal Construction Company, Jamestown, N. Y. Garment-hanger. No. 1,227,705; May 29; v. 238; p. 1383.
- Ulrich, Jacob J., assignor to The Forest City Paint & Varnish Company, Cleveland, Ohio. Centrifugal painting-machine. No. 1,245,407; Nov. 6; v. 244; p. 79.
- Ulrich, William C., assignor of one-half to F. J. Lavallo, St. Paul, Minn. Insulation-repairing device. No. 1,225,290; May 8; v. 238; p. 459.
- Ulrichsen, Harald, Midland Park, S. C. Canopy. No. 1,233,938; July 17; v. 240; p. 858.
- Ullsch, Georg, Sr., Castana, Iowa. Corn-planter attachment. No. 1,233,146; July 10; v. 240; p. 564.
- Ulven, Christian, St. Paul, assignor to Minneapolis Iron Store Company, Minneapolis, Minn. Flexible spring-coupling. No. 1,220,295; Mar. 27; v. 236; p. 944.
- Ulvig, Robert, Logan township, Minnehaha county, S. D. Barrel-support. No. 1,214,617; Feb. 6; v. 235; p. 47.
- Umbel, William H., Uniontown, Pa. Railway-tie. No. 1,222,819; Apr. 17; v. 237; p. 710.
- Umboltz, Frederick H., Oklahoma, Okla. Apparatus for raising water. No. 1,215,221; Feb. 6; v. 235; p. 258.
- Umpleby, Harry C., assignor of one-third to F. D. Bentley and one-third to R. R. Maxsen, Angelica, N. Y. Door-operating mechanism. No. 1,222,820; Apr. 17; v. 237; p. 710.
- Unckles, David S., administrator. (See Unckles, Henry W.)
- Unckles, Henry W., deceased, New York, N. Y.; David S. Unckles, administrator. Internal-combustion engine. No. 1,246,361; Nov. 13; v. 244; p. 395.
- Underfeed Stoker Company of America. (See Kenney, William J., assignor.)
- Underfeed Stoker Company of America. (See Kenney and Grohn, assignors.)
- Underhill, George H., Boston, Mass. Phonograph. No. 1,227,023; May 22; v. 238; p. 1127.
- Underhill, Walter A., and C. C. Every, assignors to The Eagle Wagon Works, Auburn, N. Y. Steering mechanism for wagon-trains. No. 1,241,786; Oct. 2; v. 243; p. 100.
- Underwood, Albert B., assignor to B. Underwood, Cincinnati, Ohio. Clamp. No. 1,217,539; Feb. 27; v. 235; p. 1204.
- Underwood, Bohumila. (See Underwood, Albert B., assignor.)
- Underwood, Charles W., assignor of six thirty-sixths to J. K. Toler, two thirty-sixths to G. E. Fontenot, two thirty-sixths to J. S. Mauboules, two thirty-sixths to W. E. Gray, one thirty-sixth to T. J. Toler, one thirty-sixth to G. W. Toler, one thirty-sixth to F. M. Fontenot, one thirty-sixth to C. De Jersey, one thirty-sixth to G. B. Brooks, and one thirty-sixth to R. W. Fontenot, Crowley, La. Piston for internal-combustion engines. No. 1,224,239; May 1; v. 238; p. 44.
- Underwood Computing Machine Company. (See Becker, Richard M., assignor.)
- Underwood Computing Machine Company. (See Beyer, Albert W. T., assignor.)
- Underwood Computing Machine Company. (See Brown, Clarence H., assignor.)
- Underwood Computing Machine Company. (See Booth, Henry S., assignor.)
- Underwood Computing Machine Company. (See Carlin, Samuel E., assignor.)
- Underwood Computing Machine Company. (See Degener, Gustave O., assignor.)
- Underwood Computing Machine Company. (See Dennis, Adolphus S., assignor.)
- Underwood Computing Machine Company. (See Gill, Charles H., assignor.)
- Underwood Computing Machine Company. (See Gumprecht, William L., assignor.)
- Underwood Computing Machine Company. (See Hanson, Hans, assignor.)
- Underwood Computing Machine Company. (See Hart, Frederick A., assignor.)
- Underwood Computing Machine Company. (See Hart and Stickney, assignors.)
- Underwood Computing Machine Company. (See Hoyt, Richard F., assignor.)
- Underwood Computing Machine Company. (See Joerissen, Carl A., assignor.)
- Underwood Computing Machine Company. (See Kidder, Wellington H., assignor.)
- Underwood Computing Machine Company. (See Kupetz, Adolph G., assignor.)
- Underwood Computing Machine Company. (See Main, Fred E., assignor.)
- Underwood Computing Machine Company. (See Maine, Fred E., assignor.)
- Underwood Computing Machine Company. (See Olmsted, Osmond W., assignor.)
- Underwood Computing Machine Company. (See Pitman, Henry L., assignor.)
- Underwood Computing Machine Company. (See Stickney, Burnham C., assignor.)
- Underwood Computing Machine Company. (See Thomas, Edward, assignor.)
- Underwood Computing Machine Company. (See Thornton, John N., assignor.)
- Underwood Computing Machine Company. (See Wright, Walter, assignor.)
- Underwood Computing Machine Company. (See Wright and Degener, assignors.)
- Underwood, Earl, New York, N. Y., assignor to Kremontz & Co., Newark, N. J. Display-box. No. 1,231,674; July 3; v. 240; p. 47.
- Underwood, Earl, New York, N. Y., assignor to Kremontz & Co., Newark, N. J. Display-card. No. 1,239,235; Sept. 4; v. 242; p. 166.
- Underwood Engineering Company. (See Underwood, John T., assignor.) (Reissue.)
- Underwood Engineering Company. (See Underwood and Justice, assignors.)
- Underwood, Ernest E., and F. H. Reynolds, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic camera. No. 1,218,135; Mar. 6; v. 236; p. 86.
- Underwood, Frank G., Minneapolis, Minn. Internal-combustion engine. No. 1,233,622; July 17; v. 240; p. 758.
- Underwood, George W., assignor of one-half to F. E. Nicholson, Orienta, Okla. Grain-collector. No. 1,224,871; May 1; v. 238; p. 267.
- Underwood, John T., Dayton, Ohio, assignor to Underwood Engineering Company, Detroit, Mich. Brick-kiln. (Reissue.) No. 1,425,1; Jan. 16; v. 234; p. 1022.
- Underwood, John T., and I. M. Justice, Dayton, Ohio, assignors to Underwood Engineering Company, Detroit, Mich. Kiln for and method of treating ceramic and similar material. No. 1,224,978; May 8; v. 238; p. 354.

Alphabetical list of patentees—Continued.

- Underwood, John W., Melbourne, Victoria, Australia. Support of motor-cycle side cars. No. 1,224,047; Apr. 24; v. 237; p. 1166.
- Underwood, Kenneth, Montgomery, Ala. Tool. No. 1,242,392; Oct. 9; v. 243; p. 334.
- Underwood, Ralph F. (See Carlson, Underwood, and Jaderstrom.)
- Underwood, Thomas J. (See Davis and Underwood.)
- Underwood Typewriter Company. (See Allard, J. Frank, assignor.)
- Underwood Typewriter Company. (See Barnard, Walter F., assignor.)
- Underwood Typewriter Company. (See Broughton, Lyman D., assignor.)
- Underwood Typewriter Company. (See Burrige, Lee S., assignor.)
- Underwood Typewriter Company. (See Cook, Frank A., assignor.)
- Underwood Typewriter Company. (See Corcoran, Cornelius B., assignor.)
- Underwood Typewriter Company. (See Dennis, Adolphus S., assignor.)
- Underwood Typewriter Company. (See Doane, John C., assignor.)
- Underwood Typewriter Company. (See Dobson, William A., assignor.)
- Underwood Typewriter Company. (See Fengler, Hermann V., assignor.)
- Underwood Typewriter Company. (See Fortin, Benjamin P., assignor.)
- Underwood Typewriter Company. (See Glackin, Daniel T., assignor.)
- Underwood Typewriter Company. (See Hager, Onslow B., assignor.)
- Underwood Typewriter Company. (See Hart, Frederick A., assignor.)
- Underwood Typewriter Company. (See Helmond, William F., assignor.)
- Underwood Typewriter Company. (See Johnson, Arthur A., assignor.)
- Underwood Typewriter Company. (See Kadry, Vassaf, assignor.)
- Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
- Underwood Typewriter Company. (See Martini, Otto A., assignor.)
- Underwood Typewriter Company. (See Maulsby, Edwin S., assignor.)
- Underwood Typewriter Company. (See McLaughlin, John C., assignor.)
- Underwood Typewriter Company. (See Rhea, Richard C., assignor.)
- Underwood Typewriter Company. (See Rice, Charles D., assignor.)
- Underwood Typewriter Company. (See Roberts, Lyman R., assignor.)
- Underwood Typewriter Company. (See Robinson, Frank A., assignor.)
- Underwood Typewriter Company. (See Rogers, Lee R., assignor.)
- Underwood Typewriter Company. (See Schubert, Joseph E., assignor.)
- Underwood Typewriter Company. (See Shaver, James E., Jr., assignor.)
- Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
- Underwood Typewriter Company. (See Sokolov, Jacob, assignor.)
- Underwood Typewriter Company. (See Stickney, Burnham C., assignor.)
- Underwood Typewriter Company. (See Wayrich, Alexander, assignor.)
- Underwood Typewriter Company. (See Wernery, Lester A., assignor.)
- Underwood, Walter H., New York, N. Y. Metallic yarn and treating same to facilitate weaving and for other purposes. No. 1,249,252; Dec. 4; v. 245; p. 238.
- Underwood, Weeden B., assignor to Wilnot Castle Company, Rochester, N. Y. Electric heater. No. 1,215,748; Feb. 13; v. 235; p. 480.
- Uney, August, Oakland, Cal. Combination-tool. No. 1,221,777; Apr. 3; v. 237; p. 269.
- Unger, Frank L., New Prague, Minn. Cam-gear. No. 1,228,265; May 29; v. 238; p. 1570.
- Unger, Mahlon A., Dormont, Pa. Water-heater. No. 1,243,901; Oct. 23; v. 243; p. 872.
- Uni-Motion Door Handle Company. (See Lovdall, George F., assignor.)
- Union Bag & Paper Company, The. (See Sanders, Charles B., assignor.)
- Union Carbide Company. (See Helfenstein, Alois, assignor.)
- Union Carbide Company. (See Hibbert, Harold, assignor.)
- Union Carbide Company. (See Hibbert and Morton, assignors.)
- Union City Body Company. (See Adelsperger, Charles C., assignor.)
- Union Draft Gear Co. (See Canfield, Lewis T., assignor.)
- Union Draft Gear Company. (See Cardwell, James R., assignor.)
- Union Draft Gear Co. (See Cotton, Walter H., assignor.)
- Union Electric Light and Power Company. (See Einstein, Alfred C., assignor.)
- Union Engine and Manufacturing Company, The. (See Davis, Elmer E., assignor.)
- Union Fabric Company, The. (See Watrous, Martin D., assignor.)
- Union Fibre Company. (See Brown, Alfred G., assignor.)
- Union Fibre Company. (See Lappen, James E., assignor.)
- Union Fibre Company. (See McArthur, Andrew J., assignor.)
- Union Fibre Company. (See MacLeith, Walter D., assignor.)
- Union Fibre Company. (See Toles, Justin K., assignor.)
- Union Gas Engine Company. (See Corson, William L., assignor.)
- Union Gas Engine Company. (See Page, Stanley H., assignor.)
- Union Iron Works. (See Tidmarsh, Harry E., assignor.)
- Union Lock Stitch Company. (See Merrick, Frank W., assignor.)
- Union Manufacturing Company. (See Church, Albert E., assignor.)
- Union Metal Products Company. (See Cameron and McMullen, assignors.)
- Union Motor Truck Co. (See Woodworth, Howard P., assignor.)
- Union Special Machine Company. (See Allan, Edward T., assignor.)
- Union Special Machine Company. (See Berger, Joseph, Jr., assignor.)
- Union Special Machine Company. (See Busch, Gerhard, assignor.)
- Union Special Machine Company. (See Chalman, John E., assignor.)
- Union Special Machine Company. (See Clark, Nelson D., assignor.)
- Union Special Machine Company. (See Dahl, Harry J., assignor.)
- Union Special Machine Company. (See Eberley, George W., assignor.)
- Union Special Machine Company. (See Hayes, John, assignor.)
- Union Special Machine Company. (See Heap, Jesse J., assignor.)
- Union Special Machine Company. (See Ketcham, Louis B., assignor.)
- Union Special Machine Company. (See Loomis, Charles A., assignor.)
- Union Special Machine Company. (See McNeill, Chester, assignor.)
- Union Special Machine Company. (See Moffatt, James R., assignor.)
- Union Special Machine Company. (See Moffatt and Kelso, assignors.)
- Union Special Machine Company. (See North, Francis S., assignor.)
- Union Special Machine Company. (See Onderdonk, Lansing, assignor.)
- Union Special Machine Company. (See Seymour, Dudley S., assignor.)
- Union Special Machine Company. (See Thompson, Reuben B., assignor.)
- Union Special Machine Company. (See Timm, Charles F., assignor.)
- Union Special Machine Company. (See Willis, Harry L., assignor.)
- Union Special Machine Company. (See Woodward, Russell G., assignor.)
- Union Steam Pump Company. (See Smith, Karl D., assignor.)
- Union Switch & Signal Company, The. (See Coe, Elmer R., assignor.)
- Union Switch & Signal Company, The. (See Coleman, John P., assignor.)
- Union Switch & Signal Company, The. (See Dunham, Charles W., assignor.)
- Union Switch & Signal Company, The. (See Gilson, Robert M., assignor.)
- Union Switch & Signal Company, The. (See Griffin, Henry W., assignor.)
- Union Switch & Signal Company, The. (See Harrington, Clinton O., assignor.)
- Union Switch & Signal Company, The. (See Hofmann, Sebastian C., assignor.)
- Union Switch & Signal Company, The. (See Johnson, Arthur H., assignor.)
- Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)
- Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)
- Union Switch & Signal Company, The. (See McCarthy, Daniel J., assignor.)
- Union Switch & Signal Company, The. (See Saunders, John E., assignor.)
- Union Switch & Signal Company, The. (See Taylor, John D., assignor.)
- Union Switch & Signal Company, The. (See Utne, Per, assignor.)
- Union Switch & Signal Company, The. (See Wallace, Herbert A., assignor.)
- Union Switch & Signal Company, The. (See Wiegand, Fred B., assignor.)
- Union Switch & Signal Company, The. (See Young, Henry S., assignor.)

- Union Wire Mattress Company. (See Powers, George G., assignor.)
 Union Wrapping Machine Company, The. (See Streich, Frank, assignor.)
 Unique Specialty Co. (See Enell, Otto E., assignor.)
 Unit Construction Company. (See Bumann, Cecil S., assignor.)
 Unit System of Heating and M'f'g Company. (See Atherton, Charles, assignor.)
 United Air Spring Company of Arizona. (See Foster, Ernest D., assignor.)
 United Autographic Register Company. (See Jensen, Louis, assignor.)
 United Brass Manufacturing Company. (See Schuldor, Fred, assignor.)
 United Cigarette Machine Co. (See Briggs, William C., assignor.)
 United Demonstrating Machine Company, The. (See Jaros, Ernest S., assignor.)
 United Drug Company. (See Barker, Ernest S., assignor.)
 United Engineering and Foundry Company. (See Canning, William P., assignor.)
 United Engineering & Foundry Company. (See Gardner, Kirtland C., assignor.)
 United Engineering & Foundry Company. (See Gebhard, John W., assignor.)
 United Engineering & Foundry Company. (See Hawthorne, Charles W., assignor.)
 United Fast Color Eyelet Company. (See Engels, Johann C., assignor.)
 United Filters Corporation. (See McCaskell, Jasper A., assignor.)
 United Filters Corporation. (See Sweetland, Ernest J., assignor.)
 United Gas Improvement Company, The. (See Chrisman, Charles S., assignor.)
 United Gas Improvement Company, The. (See Evans, Owen B., assignor.)
 United Gas Improvement Company, The. (See Gartley, William H., assignor.)
 United Gas Improvement Co., The. (See Gartley and Tasker, assignors.)
 United Gas Improvement Company, The. (See Wood, William M., assignor.)
 United Injector Company, The. (See Huber, Jacob, assignor.)
 United Iron Works Company. (See Roades, Weslie M., assignor.)
 United Lead Company. (See Coho, Herbert B., assignor.)
 United Printing Machinery Company. (See Upham, Burt F., assignor.)
 United Railways Company of St. Louis. (See Burgess, Joseph E., assignor.)
 United Shoe Machinery Co. (See Standish, John F., assignor.)
 United Shoe Machinery Company. (See Alexander, Alexander M., assignor.)
 United Shoe Machinery Company. (See Allen and Orr, assignors.)
 United Shoe Machinery Company. (See Ashton, Orrell, assignor.)
 United Shoe Machinery Company. (See Ashworth, Fred, assignor.)
 United Shoe Machinery Company. (See Bastable, Edward H., assignor.)
 United Shoe Machinery Company. (See Bates, Arthur, assignor.)
 United Shoe Machinery Company. (See Bates and Caselton, assignors.)
 United Shoe Machinery Company. (See Baxter, William C., assignor.)
 United Shoe Machinery Company. (See Benjamin, William T., assignor.)
 United Shoe Machinery Company. (See Bertrand, Frederic E., assignor.)
 United Shoe Machinery Company. (See Blanchard, Frank W., assignor.)
 United Shoe Machinery Company. (See Bond, William A., assignor.)
 United Shoe Machinery Company. (See Borden, William H., assignor.)
 United Shoe Machinery Company. (See Braden, Albert R., assignor.)
 United Shoe Machinery Company. (See Brock, Matthias, assignor.)
 United Shoe Machinery Company. (See Brogan, James A., assignor.)
 United Shoe Machinery Company. (See Brown, John H., assignor.)
 United Shoe Machinery Company. (See Brown, Louis M., assignor.)
 United Shoe Machinery Company. (See Burke, William H., assignor.)
 United Shoe Machinery Company. (See Cady, Carson J., assignor.)
 United Shoe Machinery Company. (See Cavanagh, James, assignor.)
 United Shoe Machinery Company. (See Chateaufneuf, Frank, assignor.)
 United Shoe Machinery Company. (See Coey, Edward, assignor.)
 United Shoe Machinery Company. (See Cosgrove, John W., assignor.)
 United Shoe Machinery Company. (See Cosgrove and Erickson, assignors.)
 United Shoe Machinery Company. (See Cushing, James H., assignor.)
 United Shoe Machinery Company. (See Davenport, Herman A., assignor.)
 United Shoe Machinery Company. (See Davey, John F., assignor.)
 United Shoe Machinery Company. (See Donovan and Perri, assignors.)
 United Shoe Machinery Company. (See Drey, Wilfred J., assignor.) (Reissue.)
 United Shoe Machinery Company. (See Eaton, Harrison H., assignor.)
 United Shoe Machinery Company. (See Engel, Karl, assignor.)
 United Shoe Machinery Company. (See Enslin, Herbert E., assignor.)
 United Shoe Machinery Company. (See Eppler, Andrew, assignor.)
 United Shoe Machinery Company. (See Erickson, Edward, assignor.)
 United Shoe Machinery Company. (See Farrell, Charles T., assignor.)
 United Shoe Machinery Company. (See Fowler, Alfred B., assignor.)
 United Shoe Machinery Company. (See Furber, Frederick M., assignor.)
 United Shoe Machinery Company. (See Glass, Perley R., assignor.)
 United Shoe Machinery Company. (See Goddu, George, assignor.)
 United Shoe Machinery Company. (See Gouldbourn, Joseph, assignor.)
 United Shoe Machinery Company. (See Graham, Charles E., assignor.)
 United Shoe Machinery Company. (See Grogan, Michael F., assignor.)
 United Shoe Machinery Company. (See Hadaway, John B., assignor.)
 United Shoe Machinery Company. (See Hall, Harry, assignor.)
 United Shoe Machinery Company. (See Hammond, William P., assignor.)
 United Shoe Machinery Company. (See Heys, John J., assignor.)
 United Shoe Machinery Company. (See Hill, George S., assignor.)
 United Shoe Machinery Company. (See Hooper, William H., assignor.)
 United Shoe Machinery Company. (See Hope, Ernest, assignor.)
 United Shoe Machinery Company. (See Johnson, Albert E., assignor.)
 United Shoe Machinery Company. (See Johnson, Merton E., assignor.)
 United Shoe Machinery Company. (See Kane, John J., assignor.)
 United Shoe Machinery Company. (See Keene, George F., assignor.)
 United Shoe Machinery Company. (See Kelly, John A., assignor.) (Reissue.)
 United Shoe Machinery Company. (See Kelly, William J., assignor.)
 United Shoe Machinery Company. (See Keyes, Eugene L., assignor.)
 United Shoe Machinery Company. (See Kilb, George J., assignor.)
 United Shoe Machinery Company. (See La Chapelle, Fred N., assignor.)
 United Shoe Machinery Company. (See Lane, Elmer E., assignor.)
 United Shoe Machinery Company. (See Larsen, Lewis H., assignor.)
 United Shoe Machinery Company. (See Latham, Albert, assignor.)
 United Shoe Machinery Company. (See Lee and Ashworth, assignors.)
 United Shoe Machinery Company. (See Littlefield, Augustine F., assignor.)
 United Shoe Machinery Company. (See Loomer, Henry M., assignor.)
 United Shoe Machinery Company. (See MacDonald, Clifford K., assignor.)
 United Shoe Machinery Company. (See MacKenzie, Fred L., assignor.)
 United Shoe Machinery Company. (See Macleod, Albert A., assignor.)
 United Shoe Machinery Company. (See Malloy, William G., assignor.)
 United Shoe Machinery Company. (See Mirandette, Hormidas S., assignor.)
 United Shoe Machinery Company. (See Moyer, David A., assignor.)
 United Shoe Machinery Company. (See Murr, Lewis, assignor.)
 United Shoe Machinery Company. (See Perri, Angelo, assignor.)
 United Shoe Machinery Company. (See Pope, Joseph H., assignor.)
 United Shoe Machinery Company. (See Pratt and Pegg, assignors.)
 United Shoe Machinery Company. (See Preble, Edwin N., assignor.)

Alphabetical list of patentees—Continued.

- United Shoe Machinery Company. (See Prenzel, Adam H., assignor.)
 United Shoe Machinery Company. (See Ray, Eugene J., assignor.)
 United Shoe Machinery Company. (See Reed, William A., assignor.)
 United Shoe Machinery Company. (See Remick, Lloyd T., assignor.)
 United Shoe Machinery Company. (See Richardson, John H., assignor.)
 United Shoe Machinery Company. (See Ricks, Fred, assignor.)
 United Shoe Machinery Company. (See Rigby, John H., assignor.)
 United Shoe Machinery Company. (See Roberts, William T. B., assignor.)
 United Shoe Machinery Company. (See Rumney, Fred A., assignor.)
 United Shoe Machinery Company. (See Russell, Arthur L., assignor.)
 United Shoe Machinery Company. (See Safford, Charles W., assignor.)
 United Shoe Machinery Company. (See Schwartz, Frank, assignor.)
 United Shoe Machinery Company. (See Scott, Jacob R., assignor.)
 United Shoe Machinery Company. (See Seely, Thomas H., assignor.)
 United Shoe Machinery Company. (See Shaw, Percy W., assignor.)
 United Shoe Machinery Company. (See Shaw, Walter, assignor.)
 United Shoe Machinery Company. (See Smith, John, assignor.)
 United Shoe Machinery Company. (See Smith, Willard A., assignor.)
 United Shoe Machinery Company. (See Stanbon, Charles P., assignor.)
 United Shoe Machinery Company. (See Stewart, William C., assignor.)
 United Shoe Machinery Company. (See Topham, Laurence E., assignor.)
 United Shoe Machinery Company. (See Waite, Arthur J., assignor.)
 United Shoe Machinery Company. (See Warren, Frank H., assignor.)
 United Shoe Machinery Company. (See Webster, Edwin A., assignor.)
 United Shoe Machinery Company. (See Wentworth, Samuel J., assignor.)
 United Shoe Machinery Company. (See Whelan, Thomas F., assignor.)
 United Shoe Machinery Company. (See White, Melbourne W., assignor.)
 United Shoe Machinery Company. (See Winkley, Erastus E., assignor.)
 United States Air Brake Corporation, The. (See Duke-smith, Frank H., assignor.)
 United States Cloth Cutting Machine Co. (See Komow, Albert P., assignor.)
 United States Envelope Company. (See Cather, Charles E., assignor.)
 United States Envelope Company. (See Heywood and Travis, assignors.)
 United States Envelope Company. (See Lewis, Russell W., assignor.)
 United States Envelope Company. (See Swift, Willard E., assignor.)
 United States Fastener Company. (See McCormack, George A., assignor.)
 United States Fastener Company. (See Richardson, William S., assignor.)
 United States Gauge Company. (See Schubert, Frederick, assignor.) (Reissue.)
 United States Gypsum Company, The. (See Hennig, Charles F., assignor.)
 United States Horse Collar Co. (See Jamnback and Saari, assignors.)
 United States of America. (See Taylor, James H., assignor.)
 United States Ordnance Company. (See Asbury, Dorsey F., assignor.)
 United States Ordnance Company. (See Powers, John N., assignor.)
 United States Ordnance Company. (See Powers and Leech, assignors.)
 United States Ordnance Company. (See Sheppard, Creedy C., assignor.)
 United States Pneumatic Company. (See Burton, Charles H., assignor.)
 United States Printing and Lithograph Company, The. (See Achert, William K., assignor.)
 United States Printing and Lithograph Company, The. (See Furst, Henry, assignor.)
 United States Rubber Company. (See Cobb, Henry Z., assignor.)
 United States Smelting, Refining & Mining Company. (See Anderson, Leslie D., assignor.)
 United States Steel Corporation. (See McMurtry, George G., assignor.)
 United States Steel Furniture Company. (See Potter and Noble, assignors.)
 United States Sugar Company, The. (See Nilson, Oscar M., assignor.)
 United States Tire Company, The, *et al.* (See Wagenhorst, James H., assignor.)
 United States Wire Mat Company. (See Bennett, John L., assignor.)
 United States Wire Mat Company. (See Cash, Arthur W., assignor.)
 United Table-Bed Company. (See Klok, Carl R., assignor.)
 United Table-Bed Company. (See Wirts, Stephen M., assignor.)
 United Telegraph & Cable Company, The. (See Bruce, William M., Jr., assignor.)
 United Utilities Company. (See Miller, John, Sr., assignor.)
 Unitrim Company, The. (See Mattison, Charles D., assignor.)
 Universal Bath Equipment Corporation. (See Anderson, David W., assignor.)
 Universal Briquetting Company. (See Hite, Charles E., assignor.)
 Universal Butter Machine Company. (See Volkmann, Charles, assignor.)
 Universal Can Corporation. (See Frederick, Joseph M., assignor.)
 Universal Caster & Foundry Company. (See Diss, Albert B., assignor.)
 Universal Caster & Foundry Company. (See Diss, Daniel B., assignor.)
 Universal Car and Manufacturing Co. (See Murphy, Albert C., assignor.)
 Universal Coin Lock Company. (See Boswell, George G. F., assignor.)
 Universal Concrete Products Company. (See Lienesch, Walter H., assignor.)
 Universal Draft Gear Attachment Co. (See Nash, Charles J., assignor.)
 Universal Draft Gear Attachment Co. (See Taylor, Ralph G., assignor.)
 Universal Drying Machine Company, The. (See Siler, Earnest E., assignor.)
 Universal Electric Welding Company. (See Lachman, Laurence S., assignor.)
 Universal Electric Welding Company. (See Lachman, Maurice, assignor.)
 Universal Elevated Railway Company. (See McClure, Royal A., assignor.)
 Universal Engineering Company. (See Sumner, William, assignor.)
 Universal Fence Manufacturing & Equipment Company. (See Steen, Robert W., assignor.)
 Universal Fibre Company. (See Rivers, Julian H., assignor.) (Reissue.)
 Universal Glas-Solve Company. (See Falconer, George, assignor.)
 Universal Hammer Company. (See Kollock and Martin, assignors.)
 Universal Headlight Company. (See Scribner, James F., assignor.)
 Universal Indexing Company, The. (See Smith, Louis R., assignor.)
 Universal Lighting Systems Corporation. (See Moreton, Henry H., assignor.)
 Universal Liquid Register Company. (See Brown, Charles F., assignor.)
 Universal Machine Company, The. (See Rosenberg, Ralph H., assignor.)
 Universal Marking Device Company. (See Werner, Benjamin H., assignor.)
 Universal Metal Bed Company. (See Tattu, Radu, assignor.)
 Universal Oil Converter Company. (See Bassford, William K., assignor.)
 Universal Optical Corporation. (See Beatty, Earle J. R., assignor.)
 Universal Oxygen Company. (See Mueller, Rudolph J. J., assignor.)
 Universal Oxygen Company. (See Mueller and Rowlands, assignors.)
 Universal Patents Company. (See Batchelder, Frank R., assignor.)
 Universal Patents Company. (See Jennings, Victor H., assignor.)
 Universal Patents Company. (See Keblinger, Wilbur, assignor.)
 Universal Patents Company. (See Sullivan, Cecelia I., assignor.)
 Universal Rim Company. (See Baker, Erle K., assignor.)
 Universal Road Machinery Co. (See Leighton, Robert E., assignor.)
 Universal Road Machinery Co. (See Leighton and Clearwater, assignors.)
 Universal Speed Control Company. (See Pratt, Charles R., assignor.)
 Universal Stamping Machine Co. (See Jones, William D., assignor.)
 Universal Steel Cabinet Company. (See Hatfield, John, assignor.)
 Universal Steel Package Co., The. (See Darley, John W., Jr., assignor.)
 Universal Steel Package Co., The. (See Galbally, David B., assignor.)
 Universal Tool Co. (See Ferguson, Robert B., assignor.)
 Universal Turbine Company, The. (See Anderson, Emil, assignor.)

- Universal Valve and Valve Gear Co., The. (See Coan, William C. assignor.)
- Universal Winding Company. (See Bresch, Paul, assignor.)
- Universal Winding Company. (See Campbell, Leon J., assignor.)
- Universal Winding Company. (See De Wolf, Ernest A., assignor.)
- Universal Winding Company. (See Foster, George W., assignor.)
- Universal Winding Company. (See Lewis, Everett C., assignor.)
- Universal Winding Company. (See Marcroft, William, assignor.)
- Universal Winding Company*. (See Parks, Edward F., assignor.)
- Universal Winding Company. (See Rand and Taylor, assignors.)
- Universal Winding Company. (See Ryden, Claes, assignor.)
- Unkle, Charles W., and T. D. Griley, Baltimore, Ohio. Tub-beater. No. 1,244,144; Oct. 23; v. 243; p. 943.
- Unmissig, Charles, et al. (See Lloyd, Thomas R., assignor.)
- Unmissig, Charles, and W. J. Miller, Pittsburgh, Pa. Anti-slipping device for automobile-wheels. No. 1,249,561; Dec. 11; v. 245; p. 357.
- Unné, Pierre G. (See Canton, Unné, and Salmson.)
- Uno, Mitsuo, Oakland, Cal. Alining device for rails. No. 1,243,363; Oct. 16; v. 243; p. 672.
- Unrein, Michael J., Hays, Kans. Header attachment for tractors. No. 1,241,452; Sept. 25; v. 242; p. 958.
- Unruh, Albert A., assignor of one-third to R. W. Fairfoul, Portland, Oreg., and one-third to B. A. Parish, Castle Rock, Wash. Pruning implement. No. 1,246,685; Nov. 13; v. 244; p. 491.
- Unruh, Clyde, Pawnee Rock, Kans. Thimble. No. 1,231,972; July 3; v. 240; p. 146.
- Upchurch, Horace C., Steelville, and T. H. Houston, Salem, Mo. Post-driver. No. 1,230,632; June 19; v. 239; p. 842.
- Updegraff, Charles D., assignor of one-half to J. A. Bernard, Portland, Oreg. Lunch-carrier for automobiles. No. 1,240,391; Sept. 18; v. 242; p. 596.
- Udike, Frank L., Sapulpa, Okla. Paper-dispensing device. No. 1,226,928; May 22; v. 238; p. 1093.
- Upham, Burt F., assignor to United Printing Machinery Company, Boston, Mass. Sheet-printing press. No. 1,231,463; June 26; v. 239; p. 1158.
- Upham, Charles M., Stoughton, Mass. Surfacing material for roads. No. 1,240,269; Sept. 18; v. 242; p. 557.
- Upham, William P. (See Billings, Warren T., assignor.)
- Uplift Corset Company. (See McCormick, Hugh M., assignor.)
- Upson, Charles A., Lockport, N. Y. Packaging wall-board. No. 1,225,079; May 8; v. 238; p. 388.
- Upson, Maxwell M., Englewood, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Concrete piling and piling element. No. 1,213,437; Jan. 23; v. 234; p. 1158.
- Upson, Maxwell M., Englewood, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Dock construction. No. 1,247,750; Nov. 27; v. 244; p. 869.
- Upson, Maxwell M., Englewood, N. J., and H. R. Smith, New York, N. Y. Forming and driving composite piles. No. 1,245,289; Nov. 6; v. 244; p. 44.
- Upson, Wilbur S., Mansfield, Ohio. Combined nut and pipe wrench. No. 1,212,287; Jan. 16; v. 234; p. 724.
- Upson, Wilbur S., Mansfield, Ohio. Combined nut and pipe wrench. No. 1,214,973; Feb. 6; v. 235; p. 172.
- Upson, Wilbur S., Mansfield, Ohio. Wrench. No. 1,223,850; June 5; v. 239; p. 163.
- Upton, George W., Warren, Ohio. Fishing-reel. No. 1,212,288; Jan. 16; v. 234; p. 724.
- Upton, Henry J., Somerville, assignor to Vaughn-Upton Company, Boston, Mass. Fountain-pen. No. 1,247,037; Nov. 20; v. 244; p. 630.
- Upton, King, Marblehead, Mass. Machine for cooling glue and allied substances. No. 1,237,587; Aug. 21; v. 241; p. 732.
- Upton Machine Company. (See Sandage, Jacob R., assignor.)
- Upton, Ray P. (See Jones and Upton.)
- Upton, William H., and H. G. Stoll, New York, N. Y. Internal-combustion engine. No. 1,221,633; Apr. 3; v. 237; p. 219.
- Upton, William H., and O. Stolp, New York, N. Y. Exhaust-fan for vacuum-cleaners. No. 1,249,692; Dec. 11; v. 245; p. 396.
- Urbach, Gustave A., Pittsburgh, Pa. Spraying-machine. No. 1,231,222; June 26; v. 239; p. 1078.
- Urban, William A. F., Yoakum, Tex. Cultivator-standard. No. 1,214,974; Feb. 6; v. 235; p. 173.
- Urbano, Juan B., Baguio, Philippine Islands. Electric pencil. No. 1,247,038; Nov. 20; v. 244; p. 630.
- Urbleta, José M., Laredo, Tex. Journal-lubricator. No. 1,232,410; July 3; v. 240; p. 289.
- Urchniak, Rudolph, West Allis, Wis. Envelop-opener. No. 1,229,679; June 12; v. 239; p. 491.
- Urdang, Bernard. (See Hammond, Robert O., assignor.)
- Uribe, Marcelino, San Antonio, Tex. Automobile-fender. No. 1,226,420; May 15; v. 238; p. 887.
- Urion, Frank J., Fairmont, Minn. Packing for shaft-bearings. No. 1,248,040; Nov. 27; v. 244; p. 949.
- Urmson, George W., assignor to G. M. Alberts, Jersey City, N. J. Folding partition. No. 1,230,345; June 19; v. 239; p. 741.
- Urmston, Abner C., assignor of one-half to E. Emond and G. H. Urmston, Brooklyn, N. Y. Preventing formation of moisture on the exposed surface of transparent members. No. 1,238,963; Sept. 4; v. 242; p. 78.
- Urmston, George H., et al. (See Urmston, Abner C., assignor.)
- Urstadt, John G., New York, N. Y. Garment-support. No. 1,228,266; May 29; v. 238; p. 1570.
- Urtel, Henry, La Salle, assignor to The Carborundum Company, Niagara Falls, N. Y. Making abrasive articles. No. 1,243,783; Oct. 23; v. 243; p. 835.
- Urtel, Rudolf. (See Winkler and Urtel.)
- Usher, Frederick S., Indiana Harbor, Ind. Egg and cream whipper. No. 1,214,975; Feb. 6; v. 235; p. 173.
- Usher, Walker. (See Soane, Charles E., assignor.)
- Usher-Walker Limited. (See Soane, Charles E., assignor.)
- Usterud, Anders, Skien, Norway. Writing-glove. No. 1,247,183; Nov. 20; v. 244; p. 672.
- Utecht, John T., Depew, N. Y. Sash-holder. No. 1,250,725; Dec. 18; v. 245; p. 740.
- Utility Compressor Company. (See Holley and Jennings, assignors.)
- Utility Development & Sales Company, et al. (See Carlisle, George J., assignor.)
- Utility Manufacturing Company. (See Hoel and Shew, assignors.)
- Utility Shock Absorber Company. (See Miller, William S., assignor.)
- Utley, Thomas M., Superior, Wyo. Rail-bond. No. 1,238,462; Aug. 28; v. 241; p. 1047.
- Utne, Per, Edgewood borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. No. 1,233,729; July 17; v. 240; p. 790.
- Utnik, Jack T., et al. (See Powers, Charles C., assignor.)
- Utsman, George W., assignor to W. D. Hester, Durham, N. C. Quill-cleaning machine. No. 1,235,399; July 31; v. 240; p. 1385.
- Utter, Richard I. (See Currier and Utter.)
- Utter, Richard I., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Call-answering meter for cord-circuits. No. 1,246,362; Nov. 13; v. 244; p. 396.
- Uttmark, Fritz E., Brooklyn, N. Y. Mailing-carton. No. 1,219,886; Mar. 20; v. 236; p. 761.
- Vacuum Churn Corporation, The. (See Heller, Ernest B., assignor.)
- Vacuum Hose Protector Company. (See Osley, Willard A., assignor.)
- Vacuum Oil Company. (See Wright and Oakleaf, assignors.)
- Vacuum Specialty Manufacturing Company. (See Duffie, John J., assignor.)
- Vacuum Specialty Manufacturing Company. (See Duffie, John T., assignor.)
- Vadner, Charles S., Butte, Mont. Recovery of metals from ores and the like. No. 1,231,101; June 26; v. 239; p. 1039.
- Vadner, Charles S., Butte, Mont. Recovery of metals from ores and the like. No. 1,245,137; Oct. 30; v. 243; p. 1282.
- Vadner, Charles S., Humboldt county via Battle Mountain, Nev. Process for the recovery of metals from ores and the like. No. 1,236,236; Aug. 7; v. 241; p. 228.
- Vaeth, Joseph A., assignor to The Coale Muffler & Safety Valve Company, Baltimore, Md. Valve. No. 1,233,262; July 10; v. 240; p. 600.
- Vahey, James A., Boston, Mass. Method of and apparatus for testing conductors for faults. No. 1,210,566; Jan. 2; v. 234; p. 65.
- Vaiden, Cowles M., Vaiden, Miss. Pipe-rolling machine. No. 1,245,827; Nov. 6; v. 244; p. 208.
- Vaidik, Joseph, Clinton, Ind. Ship-protector. No. 1,245,069; Oct. 30; v. 243; p. 1261.
- Vail, Robert W., New York, N. Y. Cover-fastening means for a garbage-receptacle. No. 1,216,023; Feb. 13; v. 235; p. 580.
- Vail, Robert W., New York, N. Y. Burglar-alarm system. No. 1,238,363; Aug. 28; v. 241; p. 1015.
- Vail, Robert W., assignor of one-half to C. W. Hartridge, New York, N. Y. Ash and garbage collecting and conveying cart. No. 1,214,976; Feb. 6; v. 235; p. 173.
- Vail, Robert W., assignor of one-half to C. W. Hartridge, New York, N. Y. Ash and garbage, dustless, and odorless barrel. No. 1,216,022; Feb. 13; v. 235; p. 579.
- Vaile-Kimes Company, The. (See Kimes, Hugh W., assignor.)
- Vair, Wesley R., Ravenna, Ohio. Guard attachment for cloth-shearing machines. No. 1,228,079; May 29; v. 238; p. 1512.
- Valdes, Salvador M., San Antonio, Tex. Traffic-signal. No. 1,237,976; Aug. 21; v. 241; p. 856.
- Valente, Edmund, New York, N. Y. Process and apparatus for making Panama hats. No. 1,239,004; Sept. 4; v. 242; p. 110.
- Valentine, George E., Port Carbon, Pa. Jar opener and holder. No. 1,214,395; Jan. 30; v. 234; p. 1518.

Alphabetical list of patentees—Continued.

- Valentine, Herbert S., assignor to Link-Belt Company, Philadelphia, Pa. Electric Controlling System. No. 1,241,571; Oct. 16; v. 243; p. 733.
- Valentine, Irving R., Schenectady, N. Y., assignor to General Electric Company. Electric furnace. No. 1,242,475; Oct. 9; v. 243; p. 296.
- Valentine, John, Chicago, Ill. Power-transmission mechanism. No. 1,213,303; Jan. 23; v. 234; p. 1112.
- Valentine, Joseph L. (See Shemin, Morris, assignor.)
- Valentine, Peter E., Caneyville, Ky. Brass-remover for journal-boxes. No. 1,220,911; Mar. 27; v. 236; p. 1154.
- Valentine, Peter E., Ready, Ky. Jack. No. 1,246,504; Nov. 13; v. 244; p. 438.
- Valeri, Olindo, Turin, Italy. Means for fixing railway-lines. No. 1,239,318; Sept. 4; v. 242; p. 191.
- Valerius, Theodore L., Fort Atkinson, Wis., assignor to Creamery Package Manufacturing Company, Chicago, Ill. Apparatus for treating milk or cream. No. 1,210,729; Jan. 2; v. 234; p. 122.
- Valerius, Theodore L., Fort Atkinson, Wis., assignor to The Creamery Package Manufacturing Company, Chicago, Ill. Cream-storing cabinet. No. 1,212,586; Jan. 16; v. 234; p. 828.
- Valerius, Theodore L., Fort Atkinson, Wis., assignor to Creamery Package Manufacturing Company, Chicago, Ill. Apparatus for washing containers. No. 1,228,851; June 5; v. 239; p. 163.
- Valerius, Theodore L., Fort Atkinson, Wis., assignor to The Creamery Package Manufacturing Company, Chicago, Ill. Pasteurizer and ripener. No. 1,232,128; July 3; v. 240; p. 201.
- Valerius, Theodore L., and O. Larsen, Fort Atkinson, Wis., assignors to Creamery Package Manufacturing Company. Ice-cream freezer. No. 1,230,346; June 19; v. 239; p. 746.
- Vales, Edward J., and J. T. Bishop, Augusta, Ga. Cam attachment for roller-beds of spinning-frames. No. 1,210,873; Jan. 2; v. 234; p. 170.
- Vales, Edward J., and J. T. Bishop, Augusta, Ga. Pressure mechanism for roller bed-saddles. No. 1,241,586; Oct. 2; v. 243; p. 39.
- Valiquet, Ephrem F., assignor of one-fifth to J. F. Desmarais, one-fifth to O. F. Lefebvre and one-fifth to J. C. Desmarais, Montreal, Quebec, Canada. Winding-indicator. No. 1,213,438; Jan. 23; v. 234; p. 1159.
- Valiquet, Louis P., Boston, Mass. Sound-box. No. 1,238,056; Aug. 21; v. 241; p. 880.
- Valiquet, Louis F., New York, N. Y., assignor to Victor Talking Machine Company. Automatically-operated talking-machine. No. 1,224,979; May 8; v. 238; p. 355.
- Valley Iron Works Company. (See Thom, Peter R., assignor.)
- Valiez, Henry A., Bay City, Mich. Non-caking filter-press. No. 1,227,982; May 29; v. 238; p. 1479.
- Valiez, Henry A., Bay City, Mich. Filter-press. No. 1,227,983; May 29; v. 238; p. 1479.
- Vallone, Charles, assignor to Barcalo Manufacturing Co., Buffalo, N. Y. Holding device for sliding-side cribs. No. 1,231,675; July 3; v. 240; p. 47.
- Valois, Felix E. (See Hamel and Valois.)
- Valois, Felix E., Haverhill, assignor to Hamel Shoe Machinery Company, Lynn, Mass. Wax-pot. No. 1,235,860; Aug. 7; v. 241; p. 109.
- Vampa, Giuseppe S., New York, N. Y. Closet-bowl. No. 1,239,319; Sept. 4; v. 242; p. 192.
- Van Ackeren, Aegidius J., Cedar Rapids, Nebr. Combined hatching and brooding device. No. 1,212,289; Jan. 16; v. 234; p. 725.
- Van Allen, George L., Prince Bay, N. Y. Artificial denture. No. 1,223,450; Apr. 24; v. 237; p. 956.
- Van Alstyne, Albert T., New York, N. Y. Clip-tag. No. 1,226,281; May 15; v. 238; p. 843.
- Van Alstyne, Albert T., New York, N. Y. Clasp. No. 1,245,070; Oct. 30; v. 243; p. 1262.
- Van Alstyne, Charles H. (See Van Alstyne, Matthew C. and C. H.)
- Van Alstyne, George W., Los Angeles, Cal. Floor-waxer. No. 1,228,621; June 5; v. 239; p. 84.
- Van Alstyne, John A., assignor of one-half to C. V. Schneider, Sacramento, Cal. Switch. No. 1,247,751; Nov. 27; v. 244; p. 869.
- Van Alstyne, Matthew C. and C. H., South Haven, Mich. Oil-cup. No. 1,244,923; Oct. 30; v. 243; p. 1218.
- Van Altena, Anton, Kansas City, Mo. Engine. No. 1,224,814; May 1; v. 238; p. 248.
- Van Amburgh, Charles, Tacoma, Wash., assignor to American Smelting & Refining Co. Greasing-machine. No. 1,214,618; Feb. 6; v. 235; p. 47.
- Van Amburgh, Charles L., Tacoma, Wash. Wire-winding machine. No. 1,250,705; Dec. 18; v. 245; p. 734.
- Van Antwerp, George, Grand Rapids, Mich., assignor to Power Wheel Manufacturing Company, Chicago, Ill. Motor-wheel for cycles. No. 1,247,752; Nov. 27; v. 244; p. 870.
- Van Arsdale, George D., New York, N. Y. Concentration of ores by flotation. No. 1,236,504; Aug. 14; v. 241; p. 345.
- Van Berkel, Johannes C., Copenhagen, Denmark. Meat-holder for meat-cutting machines. No. 1,232,628; July 10; v. 240; p. 394.
- Van Berkel, Johannes C., Copenhagen, Denmark. Slicing-machine. No. 1,236,791; Aug. 14; v. 241; p. 441.
- Van Brunt, George F., Kewanee, Ill. Water-elevating apparatus. No. 1,246,188; Nov. 13; v. 244; p. 343.
- Van Brunt, Vanderhoff M. (See Burnett and Van Brunt.)
- Van Buren, Alexander, East Quogue, N. Y. Pipe. No. 1,224,980; May 8; v. 238; p. 355.
- Van Calcar, Reinder P., Oegstgeest, J. Ellerman and H. J. Martijn, The Hague, Netherlands. Treating and simultaneously sterilizing air. No. 1,215,222; Feb. 6; v. 235; p. 258.
- Van Cauwenbergh, Frank, Rockford, Ill. Clamp for vises and other articles. No. 1,245,828; Nov. 6; v. 244; p. 208.
- Van Cott, S. (See Stingley and Van Cott.)
- Van Daalen, Herman B., and H. P. Schreiber, London, England. Apparatus for the electrical transmission of power. No. 1,223,224; Apr. 17; v. 237; p. 847.
- Van den Boogaard, John. (See Nuberg and Van den Boogaard.)
- Van den Bos, John, Grand Rapids, Mich. Carbureter. No. 1,226,929; May 22; v. 238; p. 1093.
- Van den Bos, John, Grand Rapids, Mich. Kerosene-vaporizer. No. 1,231,842; July 3; v. 240; p. 103.
- Van den Heuvel, Mathys, and P. M. Diks, Uden, Netherlands. Straw-case-making machine. No. 1,248,209; Nov. 27; v. 244; p. 998.
- Van der Valk, Christiaan C., The Hague, and F. M. V. Van Eck, Rotterdam, assignors to C. O. Heuvelink, The Hague, Netherlands. Lock-nut. No. 1,223,911; Apr. 24; v. 237; p. 1120.
- Van Der Veer, Ferdinand P., Indianapolis, Ind. Direction-indicating attachment for automobiles. No. 1,242,393; Oct. 9; v. 243; p. 334.
- Van Der Vorn, Jacob, Milwaukee, Wis., assignor to Expandem Tool and Manufacturing Company, Boring-bar. No. 1,232,411; July 3; v. 240; p. 290.
- Van Der Vorn, Jacob, Chicago, Ill., assignor to Expandem Tool and Manufacturing Company, Boring-tool. No. 1,251,139; Dec. 25; v. 245; p. 912.
- Van Der Vorn, Jacob, Chicago, Ill., assignor to Expandem Tool and Manufacturing Company, Boring-tool. No. 1,251,140; Dec. 25; v. 245; p. 912.
- Van Derbeck-Sayers-Murdock Co. (See Van Derbeck, Stephen G., assignor.)
- Van Derbeck, Stephen G., Hackensack, N. J., assignor to Van Derbeck-Sayers-Murdock Co., Inc. Adjustable-step pedal attachment. No. 1,214,619; Feb. 6; v. 235; p. 48.
- Van Derbeck, Stephen G., Hackensack, N. J., and H. B. Murdock, assignors to Duplex Lock Co., Inc., New York, N. Y. Electrical locking device. No. 1,230,449; June 19; v. 239; p. 779.
- Van Dersal, Samuel, assignor, by mesne assignments, of one-half to H. L. Hatch, San Francisco, Cal. Comb. No. 1,247,908; Nov. 27; v. 244; p. 915.
- Van Derveer, Clarence A., assignor to Heywood Brothers and Wakefield Company, Wakefield, Mass. Upholstered structure and fabric therefor. No. 1,213,559; Jan. 23; v. 234; p. 1201.
- Van Deventer, H. R. (See Ard, Reid, assignor.)
- Van Deventer, Harry R., Sumter, S. C., assignor, by mesne assignments, to Splitdorf Electrical Company, Newark, N. J. Magneto attachment. No. 1,211,507; Jan. 9; v. 234; p. 420.
- Van Deventer, Harry R., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Cigar. No. 1,221,634; Apr. 3; v. 237; p. 220.
- Van Deventer, Harry R., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Ignition system. No. 1,229,351; June 12; v. 239; p. 378.
- Van Deventer, Harry R., Sumter, S. C., assignor, by mesne assignments, to Splitdorf Electrical Company, Newark, N. J. Igniting mechanism for internal-combustion engines. No. 1,236,790; Aug. 14; v. 241; p. 440.
- Van Deventer, Harry R., Sumter, S. C., assignor, by mesne assignments, to Splitdorf Electrical Company, Newark, N. J. Igniter mechanism for internal-combustion engines. No. 1,241,309; Sept. 25; v. 242; p. 916.
- Van Deventer, Harry R., Sumter, S. C., assignor, by mesne assignments, to Splitdorf Electrical Company, Newark, N. J. Igniter mechanism for internal-combustion engines. No. 1,244,260; Oct. 23; v. 243; p. 979.
- Van Deventer, Harry R., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Ignition device. No. 1,244,261; Oct. 23; v. 243; p. 980.
- Van Deventer, Harry R., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Generator-lamp. No. 1,244,262; Oct. 23; v. 243; p. 980.
- Van Deventer, Harry R., Sumter, S. C., assignor, by mesne assignments, to Splitdorf Electrical Company, Newark, N. J. Manual tripping mechanism for igniters. No. 1,245,830; Nov. 6; v. 244; p. 208.
- Van Deventer, Harry R., Sumter, S. C., assignor, by mesne assignments, to Splitdorf Electrical Company, Newark, N. J. Tripping mechanism for igniters. No. 1,245,831; Nov. 6; v. 244; p. 209.
- Van Deventer, Harry R., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Tripping mechanism for igniters. No. 1,245,832; Nov. 6; v. 244; p. 209.
- Van Deventer, Harry R., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Combination magneto and horn. No. 1,249,255; Dec. 4; v. 245; p. 239.
- Van Deventer, Harry R., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Generating and lighting device. No. 1,249,861; Dec. 11; v. 245; p. 446.

- Van Diest, Edmond C., Colorado Springs, Colo., assignor to Associated Engineers Company. Cross-arm. No. 1,239,142; Sept. 4; v. 242; p. 136.
- Van Dolsen, Emmet L., assignor of one-half to L. M. Russell, Laporte, Ind. Power transmission. No. 1,225,081; May 8; v. 238; p. 389.
- Van Doren, Horatio E., South Bend, Ind. Mounting-block for embossing-dies. No. 1,215,435; Feb. 13; v. 235; p. 366.
- Van Dorn Coupler Company. (See Van Dorn, Herbert E., assignor.)
- Van Dorn Electric Tool Company, The. (See Schneider, Franklin, assignor.)
- Van Dorn Electric Tool Company, The. (See Sweet, Burton W., assignor.)
- Van Dorn Electric Tool Company, The. (See Sweet and Schneider, assignors.)
- Van Dorn Girder Plate Company. (See Van Dorn, William E., assignor.)
- Van Dorn Girder Plate Company. (See Van Dorn, William T., assignor.)
- Van Dorn, Herbert E., Chicago, Ill. Car-end construction. No. 1,241,685; Oct. 2; v. 243; p. 69.
- Van Dorn, Herbert E., Chicago, Ill. Draw-bar and coupling-head support. No. 1,247,039; Nov. 20; v. 244; p. 630.
- Van Dorn, Herbert E., assignor to Van Dorn Coupler Company, Chicago, Ill. Draft-gear. No. 1,218,722; Mar. 13; v. 236; p. 326.
- Van Dorn, Herbert E., assignor to Van Dorn Coupler Company, Chicago, Ill. Car and air coupling. No. 1,224,240; May 1; v. 238; p. 45.
- Van Dorn Iron Works Company, The. (See Van Dorn and Whitehouse, assignors.)
- Van Dorn, James H., and J. T. Whitehouse, assignors to The Van Dorn Iron Works Company, Cleveland, Ohio. Lock mechanism for cell-doors. No. 1,222,821; Apr. 17; v. 237; p. 710.
- Van Dorn, William E., Chicago, Ill., assignor to Van Dorn Girder Plate Company. Auxiliary floor for railway-cars. No. 1,212,121; Jan. 9; v. 234; p. 632.
- Van Dorn, William T., assignor to Van Dorn Girder Plate Company, Chicago, Ill. Metal car construction. No. 1,249,562; Dec. 11; v. 245; p. 358.
- Van Dresser, William C., assignor to Rands Manufacturing Company, Detroit, Mich. Pivot construction. No. 1,216,520; Feb. 20; v. 235; p. 807.
- Van Duijl, Josua C. H., Rotterdam, Netherlands. Nut-opening machine. No. 1,243,572; Oct. 16; v. 243; p. 734.
- Van Dventer, George F., Aurora, Ill. Hooded trolley-track and bracket. No. 1,215,084; Feb. 6; v. 235; p. 211.
- Van Eck, François M. V. (See Van der Valk and Van Eck.)
- Van Epp, Paul N., Medino, Ohio. Trolley-retriever. No. 1,234,236; July 24; v. 240; p. 989.
- Van Epps, Theodore C., Los Angeles, Cal. Self-tightening ball-and-socket pipe-joint. No. 1,223,645; Apr. 24; v. 237; p. 1027.
- Van Esbroeck, François, London, assignor to E. M. Cranston, Southsea, and A. Paull, Kingswood, England. Apparatus for detecting subaqueous sounds. No. 1,239,320; Sept. 4; v. 242; p. 192.
- Van Etten, Thomas D. (See Steinhauer and Van Etten.)
- Van Everdingen, Theodorus J. G., Steamship Tasman, Java, Dutch East Indies. Lock-nut and screw-head. No. 1,234,830; July 31; v. 240; p. 1210.
- Van Fleet, Frederick W. and R. S., Toledo, Ohio. Corner-joint for screens and other frames. No. 1,245,537; Nov. 6; v. 244; p. 120.
- Van Fleet, Rodney S. (See Van Fleet, Frederick W. and R. S.)
- Van Fleming, C. (See Ferguson, Edward E., assignor.)
- Van Geem, John, Erie, Pa. Beer-measuring device. No. 1,210,567; Jan. 2; v. 234; p. 66.
- Van Gelder, John. (See Vanderburg and Van Gelder.)
- Van Gelder, Mozes, *et al.* (See Adams, Charles M., assignor.)
- Van Giesen, Thomas L., Leechburg, and D. F. Fox, Pittsburgh, Pa. Wind-shield cleaner. No. 1,231,973; July 3; v. 240; p. 146.
- Van Giesen, Alice, *et al.* (See Renzo, Francisco, assignor.)
- Van Guelpen, Louis J. (See Stuebing and Van Guelpen.) (Reissue.)
- Van Guelpen, Louis J., Cincinnati, Ohio. Inking-machine. No. 1,249,563; Dec. 11; v. 245; p. 358.
- Van Guelpen, Louis J., and W. Stuebing, Jr., Cincinnati, Ohio. Burnishing-machine. No. 1,227,221; May 22; v. 238; p. 1194.
- Van Guilder Double Wall Co. (See Van Guilder, Will H., assignor.)
- Van Guilder, Will H., New Rochelle, N. Y. Molding-machine. No. 1,215,436; Feb. 13; v. 235; p. 366.
- Van Guilder, Will H., New Rochelle, assignor to Van Guilder Double Wall Co., Inc., Rochester, N. Y. Molding-machine. No. 1,245,538; Nov. 6; v. 244; p. 120.
- Van Guilder, Will H., New Rochelle, assignor to Van Guilder Double Wall Co., Inc., Rochester, N. Y. Molding-machine. No. 1,250,394; Dec. 18; v. 245; p. 641.
- Van Guysling, Walter F., Albany, N. Y. Automatic oiler. No. 1,212,714; Jan. 16; v. 234; p. 875.
- Van Guysling, Walter F., Albany, N. Y. Force-feed lubricator. No. 1,212,715; Jan. 16; v. 234; p. 876.
- Van Haste, Abram, Paterson, N. J. Warping-machine. No. 1,244,800; Oct. 30; v. 243; p. 1180.
- Van Hee, Ernest C. (See De Point and Van Hee.)
- Van Heuvel, Martin. (See Jones, Edward S., assignor.)
- Van Heuvel, Martin. (See Parker and Van Heuvel.)
- Van Hoesen, Benjamin, Mart, Tex. Cotton-chopper. No. 1,214,977; Feb. 6; v. 235; p. 174.
- Van Horn, Charles B., Philadelphia, Pa. Barrel-washing machine. No. 1,212,587; Jan. 16; v. 234; p. 829.
- Van Horn, Charles B., Philadelphia, Pa. Vehicle-wheel. No. 1,226,421; May 15; v. 238; p. 888.
- Van Horn, Charles B., Philadelphia, Pa. Barrel-washing machine. No. 1,244,391; Oct. 23; v. 243; p. 1017.
- Van Horn, Charles B., Philadelphia, Pa. Barrel-washing machine. No. 1,244,392; Oct. 23; v. 243; p. 1018.
- Van Horn, Charles S., assignor of one-half to H. R. Whitaker, Los Angeles, Cal. Folding fish-landing net. No. 1,240,787; Sept. 18; v. 242; p. 717.
- Van Horn, Thomas M., Chicago, Ill. Spark-arrester. No. 1,241,059; Sept. 25; v. 242; p. 835.
- Van Horn, Vandiver J., Chicago, Ill. Coin-savings receptacle. No. 1,239,143; Sept. 4; v. 242; p. 136.
- Van Horn, William H. (See Kemp and Van Horn.)
- Van Horne, Charles R., Aberdeen, Wash. Self-propelled vehicle. No. 1,219,887; Mar. 20; v. 236; p. 762.
- Van Horne, Samuel R., Chicago, Ill., assignor, by mesne assignments, to Seiton Manufacturing Corporation, Millbrook, N. Y. Folding box. No. 1,237,424; Aug. 21; v. 241; p. 680.
- Van Houten, Frank H., assignor to Dutchess Tool Company, Beacon, N. Y. Machine for rounding up lumps of dough. No. 1,244,801; Oct. 30; v. 243; p. 1180.
- Van Houten, Frank H., Jr., assignor to Dutchess Tool Company, Fishkill-on-Hudson, N. Y. Dough-rounding-up machine. No. 1,236,505; Aug. 14; v. 241; p. 346.
- Van Huele, Maxime L. (See Grunig and Van Huele.)
- Van Kannel Revolving Door Company. (See Van Kannel, Theophilus, assignor.) (Reissue.)
- Van Kannel, Theophilus, Yardville, N. J., assignor, by mesne assignments, to Van Kannel Revolving Door Company. Collapsible revolving door. (Reissue.) No. 1,245,555; Feb. 6; v. 235; p. 294.
- Van Keuren, Henry P. T., Philadelphia, Pa. Engine. No. 1,225,376; May 8; v. 238; p. 491.
- Van Kirk, John P., Bradley Beach, assignor to Steiner & Son, Asbury Park, N. J. Pajamas. No. 1,227,347; May 22; v. 238; p. 1234.
- Van Kuren, Stephen J., assignor to J. G. Cherry Company, Cedar Rapids, Iowa. Apparatus for pasteurizing, cooling, and ripening milk, cream, and other liquids. No. 1,224,981; May 8; v. 238; p. 355.
- Van Leeuwen, Adrian, Jr., and F. X. Brunelle, Worcester, Mass., assignors of one-fourth to F. X. Brunelle and three-fourths to H. I. Randall, trustee. Furnace. No. 1,240,517; Sept. 18; v. 242; p. 634.
- Van Luven, Christopher W., New York Mills, N. Y. Can-opener. No. 1,216,024; Feb. 13; v. 235; p. 580.
- Van Lynden, Robert A. B. (See Lange and Van Lynden.)
- Van Metre, Thomas E., U. S. Navy. Detachable button. No. 1,235,171; July 31; v. 240; p. 1316.
- Van Mouwerik, Pieter, and C. W. Bal, Utrecht, Netherlands. Apparatus for annealing and collodionizing gas-light mantles. No. 1,250,726; Dec. 18; v. 245; p. 740.
- Van Nees, Ralston M., Fairbury, Nebr. Distributing-spout and overflow-receiver. No. 1,224,241; May 1; v. 238; p. 45.
- Van Ness, Eugene D., New York, N. Y. Dry-pipe valve for automatic fire-extinguishing systems. No. 1,211,014; Jan. 2; v. 234; p. 221.
- Van Norman, Charles E., assignor, by mesne assignments, to Van Norman Machine Tool Company, Springfield, Mass. Milling-machine. No. 1,229,352; June 12; v. 239; p. 379.
- Van Norman Machine Tool Company. (See Van Norman, Charles E., assignor.)
- Van Nostrand, Luther O., Pratt, Kans. Dirigible headlight. No. 1,250,727; Dec. 18; v. 245; p. 741.
- Van Nostrand, William, Dalton, N. Y. Grinding-ring for attrition-mills. No. 1,226,032; May 15; v. 238; p. 754.
- Van-O-Phone Company. (See Grupe, William F., assignor.)
- Van Orden, Howard E., East Orange, N. J., assignor of one-half to J. W. Sinnott, Brooklyn, N. Y. Telephone or other booth. No. 1,211,790; Jan. 9; v. 234; p. 517.
- Van Orden, James E., South Durham, N. Y. Self-locking nut. No. 1,251,141; Dec. 25; v. 245; p. 913.
- Van Pelt, Clarence E. (See Dankel and Van Pelt.)
- Van Raust, Samuel B., assignor to Crouse-Hinds Company, Syracuse, N. Y. Electric-conduit fittings. No. 1,243,902; Oct. 23; v. 243; p. 873.
- Van Riper, Lewis C., Detroit, Mich., assignor, by mesne assignments, to Aero Motors Corporation of America. Internal-combustion engine. No. 1,238,223; Aug. 28; v. 241; p. 968.
- Van Sant, Thomas G. (See Hart and Van Sant.)
- Van Sant, Thomas G., Poplar Bluff, and V. H. Van Sant, St. Louis, Mo. Gearing. No. 1,229,548; June 12; v. 239; p. 445.
- Van Sant, Victor H. (See Van Sant, Thomas G. and V. H.)
- Van Sickel, Wilber H., Langhorne, Pa., assignor to Thos. H. Dallett Co., Stone-dressing machine. No. 1,227,095; May 22; v. 238; p. 1152.

Alphabetical list of patentees—Continued.

- Van Stockum, Abraham J., Rijswijk, Netherlands. Submarine vessel. No. 1,223,747; Apr. 24; v. 237; p. 1064.
- Van Stockum, Abraham J., Amsterdam, Netherlands. Cooking and food-sterilizing apparatus. No. 1,223,748; Apr. 24; v. 237; p. 1064.
- Van Swaay, Gerardus J., Delft, and H. I. Keus, Hengelo, Netherlands. Maximum cut-out. No. 1,230,955; June 26; v. 239; p. 988.
- Van Swaay, Gerardus J., Delft, and H. I. Keus, Hengelo, Netherlands. Synchronism-indicator. No. 1,234,584; July 24; v. 240; p. 1102.
- Van Syoc, William E., assignor of one-half to P. H. Streeter, Pueblo, Colo. Stove. No. 1,218,913; Mar. 13; v. 236; p. 397.
- Van Tuyl, Thomas. (See Cook and Van Tuyl.)
- Van Valkenburg, Burt R., Oakland, assignor to American Photo Player Company, Berkeley, Cal. Tremolo mechanism for organs. No. 1,243,644; Oct. 16; v. 243; p. 756.
- Van Valkenburg, Harold A., Oakland, Cal. Sound-producing device. No. 1,243,645; Oct. 16; v. 243; p. 757.
- Van Valkenburg, Harold A., Oakland, assignor to American Photo Player Company, Berkeley, Cal. Automatic music-playing instrument. No. 1,224,693; May 1; v. 238; p. 205.
- Van Valkenburg, Herman L., assignor to Industrial Controller Company, Milwaukee, Wis. Starting device. No. 1,215,224; Feb. 6; v. 235; p. 258.
- Van Valkenburg, Hermon L., Edgewater Park, N. J. Switch and fuse construction. No. 1,232,412; July 3; v. 240; p. 290.
- Van Valkenburg, Levi D., Holyoke, Mass. Retaining-clip for fountain-pens. No. 1,250,533; Dec. 18; v. 245; p. 683.
- Van Vleck, Horace R. (See Spohrer, Gregory J., assignor.)
- Van Vliet, Maurice, San Francisco, Cal. Tobacco-receptacle. No. 1,250,395; Dec. 18; v. 245; p. 641.
- Van Voorhis, George S., Boston, Mass. Tire shoe or casing. No. 1,236,506; Aug. 14; v. 241; p. 346.
- Van Vorst, John, Scotia, N. Y. Motorist's eye-shield. No. 1,224,431; May 1; v. 238; p. 115.
- Van Why, Benjamin, New Castle, Pa. Grass-catcher. No. 1,236,507; Aug. 14; v. 241; p. 346.
- Van Wie, Henry. (See Anderson and Van Wie.)
- Van Wormer, George, Hamilton, Ohio. Pen-clamp for ruling-machines. No. 1,217,370; Feb. 27; v. 235; p. 1142.
- Van Wyck, John H., Jersey City, N. J. Dish-washer. No. 1,211,985; Jan. 9; v. 234; p. 589.
- Van Wye, Garry P., New York, N. Y. Catapult. No. 1,227,222; May 22; v. 238; p. 1194.
- Van Zandt, Jacobs & Co. (See Renihan, Ralph C., assignor.)
- Van Zandt, Jacobs & Co. (See Shumway, Harry E., assignor.)
- Van Zile, Harry L., and T. A. Lewis, New York, N. Y.; said Lewis assignor to said Van Zile. Ventilating apparatus. No. 1,211,900; Jan. 9; v. 234; p. 558.
- Vanadia, Anthony C., Flint, Mich. Fire-alarm box. No. 1,218,230; Mar. 6; v. 236; p. 120.
- Vanatta, Clarence F. (See Stutzman, Chancey A., assignor.)
- Vanblom, Albert, Rockford, Ill. Spring-tire. No. 1,241,453; Sept. 25; v. 242; p. 958.
- Vanbuskirk, Thomas W., assignor of one-half to J. L. Brubaker, Juniata, Pa. Train-pipe coupling. No. 1,225,080; May 8; v. 238; p. 388.
- Vance, Alva J., Medford, Oreg. Removable heating plant for incubators, &c. No. 1,245,829; Nov. 6; v. 244; p. 208.
- Vance, Arlyn T., Los Angeles, Cal. Appliance for treatment of the spinal region. No. 1,250,392; Dec. 18; v. 245; p. 640.
- Vance, Harvey G., St. Louis, Mo. Self-oiling bearing. No. 1,237,423; Aug. 21; v. 241; p. 680.
- Vance, James M. (See McNeel and Vance.)
- Vance, Retta H., San Francisco, Cal. Folding wardrobe. No. 1,249,253; Dec. 4; v. 245; p. 239.
- Vance, Walter N., Chicago Heights, assignor to Durand Steel Locker Company, Chicago, Ill. Metal shelving. No. 1,213,304; Jan. 23; v. 234; p. 1112.
- Vance, Walter N., Chicago Heights, assignor to Durand Steel Locker Company, Chicago, Ill. Locker. No. 1,249,254; Dec. 4; v. 245; p. 239.
- Vance, William G., Brooklyn, assignor of one-half to R. L. Young, New York, N. Y. Automobile-locking apparatus. No. 1,218,495; Mar. 6; v. 236; p. 209.
- Vance, William W., Chicago, Ill. Rotary valve for engines. No. 1,228,502; June 5; v. 239; p. 44.
- Vancil, Isaac A., and W. F. Fulkerson, San Diego, Cal. Apparatus for automatically controlling stereopticons. No. 1,230,347; June 19; v. 239; p. 746.
- Vancouver Motor Supplies Limited. (See Harrison and Lamond, assignors.)
- Vandal, Marcel, Paris, France. Machine for cutting cinematographic stencils. No. 1,223,539; Apr. 24; v. 237; p. 990.
- Vandal, Marcel, Paris, France. Coloring-machine for moving-picture films. No. 1,226,282; May 15; v. 238; p. 844.
- Vandegrift, James N., Syracuse, N. Y. Antifriction-bearing for axles. No. 1,215,749; Feb. 13; v. 235; p. 480.
- Vandegrift, William G., Harrisburg, Pa. Card-holder. No. 1,224,582; May 1; v. 238; p. 167.
- Vanden Heuvel, William, Los Angeles, Cal. Flash-board skimming-gate. No. 1,241,308; Sept. 25; v. 242; p. 916.
- Vandenweghe, Adiel, New York, N. Y., and A. D'huyvetters, Ridgefield Park, assignors to Ideal Cooney Dressing & Dyeing Company, Inc., Paterson, N. J. Apparatus for tanning. No. 1,233,730; July 17; v. 240; p. 790.
- Vander Putten, John R., New Philadelphia, Ohio. Handle-attaching device. No. 1,239,645; Sept. 11; v. 242; p. 323.
- Vanderbeek, Andrew M., Plainfield, N. J. Metallic dish-rack. No. 1,241,169; Sept. 25; v. 242; p. 869.
- Vanderburg, William, and J. Van Gelder, Orange City, Iowa. Attachment for corn-cultivators. No. 1,233,731; July 17; v. 240; p. 791.
- Vanderburgh, Sheldon D., Hastings-upon-Hudson, N. Y. Cradle and means for rocking the same. No. 1,227,984; May 29; v. 238; p. 1480.
- Vandercook, Albert E., Oakland, Cal., assignor to California Macvay Company. Precipitation apparatus. No. 1,226,611; May 15; v. 238; p. 946.
- Vandercook, Frank B., Waterbury, Conn. Buckle. No. 1,239,849; Sept. 11; v. 242; p. 390.
- Vanderford, Cary M., San Fernando, Cal. Irrigating-valve. No. 1,220,296; Mar. 27; v. 236; p. 944.
- Vandergrift, James M., Chicago, Ill., assignor to Hall-Borchert Dress Form Company, New York, N. Y. Dress-form. No. 1,235,613; Aug. 7; v. 241; p. 28.
- Vanderhoff, Paul W., Topeka, Kans. Direction-indicator for automobiles. No. 1,234,975; July 31; v. 240; p. 1258.
- Vanderhoof, Harold, San Francisco, Cal. Vacuum apparatus. No. 1,220,297; Mar. 27; v. 236; p. 945.
- Vanderlip, Louis C., Elkhart, Ind. Conveyor-elbow. No. 1,246,189; Nov. 13; v. 244; p. 343.
- Vanderlip, Washington B., Oakland, Cal. Apparatus for generating power. No. 1,236,020; Aug. 7; v. 241; p. 162.
- Vanderlip, Washington, assignor of one-half to C. D. Bibbins, Oakland, Cal. Periscope. No. 1,250,393; Dec. 18; v. 245; p. 641.
- Vanderpoel, William H., Newark, N. J. Asbestos mat. No. 1,215,223; Feb. 6; v. 235; p. 258.
- Vanderveer, Jean J., Brattleboro, Vt. Coudiment-holder. No. 1,229,680; June 12; v. 239; p. 491.
- Vanderveer, Jewell W. (See Miller and Vanderveer.)
- Vanderveld, Anthony, Grand Rapids, Mich. Belt-stapling machine. No. 1,238,964; Sept. 4; v. 242; p. 78.
- Vanderveld, Anthony, Grand Rapids, Mich. Means for connecting sectional furniture. No. 1,250,110; Dec. 11; v. 245; p. 516.
- Vanderveld, Anthony, Grand Rapids, Mich., assignor to Clipper Belt Lacer Company. Mount for belt-hooks. No. 1,220,298; Mar. 27; v. 236; p. 945.
- Vanderveld, Anthony, assignor to Grand Rapids Show Case Company, Grand Rapids, Mich. Chain. No. 1,238,847; Sept. 4; v. 242; p. 41.
- Vanderveld, Anthony, Grand Rapids, Mich., assignor to Clipper Belt Lacer Company. Tool for handling belt-staples. No. 1,238,965; Sept. 4; v. 242; p. 79.
- Vanderveld, Anthony, assignor to Grand Rapids Show Case Company, Grand Rapids, Mich. Rotary display-rack. No. 1,243,014; Oct. 16; v. 243; p. 567.
- Vanderveld, Anthony, assignor to Grand Rapids Show Case Company, Grand Rapids, Mich. Locking device for display-racks. No. 1,243,015; Oct. 16; v. 243; p. 567.
- Vandervell, Charles A. (See Midgley and Vandervell.)
- Vandervell, Charles A., and A. H. Midgley, Acton Vale, London, England. Electric switchboard. No. 1,226,031; May 15; v. 238; p. 754.
- Vandy, Max G., Chicago, Ill. Electrical automatic control mechanism. No. 1,228,993; June 5; v. 239; p. 208.
- Vanek, Frank, Fell City, assignor of one-half to W. S. Crump, Seddon, Ala. Head-rest. No. 1,236,237; Aug. 7; v. 241; p. 229.
- Vangen, Anton, Vestfossen, Norway. Self-indicating target. No. 1,222,822; Apr. 17; v. 237; p. 711.
- Vann, Millard N. (See Derrick and Vann.)
- Vannatta, John W., Honolulu, Hawaii. Note-book holder. No. 1,249,256; Dec. 4; v. 245; p. 239.
- Vansize, William B., Brooklyn, N. Y. Recording correlated light and sound effects. No. 1,219,682; Mar. 20; v. 236; p. 691.
- Vapor-Vacuum Heating Co. (See Hess, Harry H., assignor.)
- Varble, Lincoln, Eldred, Ill. Harvester-reel. No. 1,236,021; Aug. 7; v. 241; p. 162.
- Varga, Paul, New York, N. Y. Apparatus for feeding articles to wrapping-tables or wrapping-machines. No. 1,220,801; Mar. 27; v. 236; p. 1118.
- Variable Speed Gear Limited. (See Robson, John, assignor.)
- Variety Manufacturing Company. (See Gervais, Wainwright B., assignor.)
- Variety Manufacturing Company. (See Gilmore, Millard, assignor.)
- Varioplane Company Limited, The. (See Holle, Alexander A., assignor.)
- Varjebedian, Mesrob, Fresno, Cal. Curing figs for use in making a beverage. No. 1,218,914; Mar. 13; v. 236; p. 397.
- Varley Duplex Magnet Company. (See Varley, Richard, assignor.) (Reissue.)

- Varley, Richard, Englewood, N. J. Starter system and apparatus for combustion-engines. No. 1,220,802; Mar. 27; v. 236; p. 1119.
- Varley, Richard, Englewood, N. J. Ignition system and apparatus. No. 1,225,533; May 8; v. 238; p. 541.
- Varley, Richard, Englewood, N. J. Electrical system. No. 1,225,534; May 8; v. 238; p. 542.
- Varley, Richard, Englewood, N. J. Electrical system. No. 1,225,535; May 8; v. 238; p. 542.
- Varley, Richard, Englewood, N. J. Electrical system. No. 1,225,536; May 8; v. 238; p. 542.
- Varley, Richard, Englewood, N. J. Ignition system and apparatus. No. 1,230,540; June 19; v. 239; p. 810.
- Varley, Richard, Englewood, N. J. Ignition system. No. 1,230,541; June 19; v. 239; p. 811.
- Varley, Richard, Englewood, assignor to Varley Duplex Magnet Company, Jersey City, N. J. Electrical system for automobiles. (Reissue.) No. 1,435,2; Jan. 23; v. 234; p. 1287.
- Varley, Richard, Englewood, assignor to Varley Duplex Magnet Company, Jersey City, N. J. Power system and apparatus. No. 1,225,532; May 8; v. 238; p. 541.
- Varley, Thomas W., New York, N. Y. Control of alternating-current motors. No. 1,228,852; June 5; v. 239; p. 164.
- Varley, Thomas W., New York, N. Y. Device of expanded metal. No. 1,228,853; June 5; v. 239; p. 164.
- Varley, Thomas W., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electrical measuring instrument. No. 1,234,976; July 31; v. 240; p. 1258.
- Varner, Edward C., Mansfield, Ohio. Corn-harvester. No. 1,242,084; Oct. 2; v. 243; p. 195.
- Varney, Theodore, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Electric-circuit controller. No. 1,215,437; Feb. 13; v. 235; p. 367.
- Varney, Theodore, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Magnet-switch. No. 1,246,363; Nov. 13; v. 244; p. 396.
- Varwig, Harry, Cincinnati, assignor of one-half to F. Caldwell, Carthage, Ohio. Metallic heel. No. 1,246,505; Nov. 13; v. 244; p. 438.
- Vasconcellos, José M., Rio de Janeiro, Brazil. Planter. No. 1,239,646; Sept. 11; v. 242; p. 323.
- Vasica, Charles, Long Island City, N. Y. Type-casting apparatus. No. 1,216,892; Feb. 20; v. 235; p. 934.
- Vasquez, Alfredo B., Habana, Cuba. Machine for numbering and marking bags. No. 1,234,511; July 24; v. 240; p. 1079.
- Vass, Leslie E., Henderson, Ky. Hair-clipper. No. 1,245,833; Nov. 6; v. 244; p. 210.
- Vasselli, Anthony, Newark, N. J., assignor, by mesne assignments, to Otto Heineman Phonograph Supply Co. Inc., New York, N. Y. Sound-box adapter. No. 1,246,506; Nov. 13; v. 244; p. 439.
- Vaterlaus, John H., Fort Levett, Me. Window-cleaner. No. 1,248,759; Dec. 4; v. 245; p. 99.
- Vathing, Solve S. (See Laugen and Vathing.)
- Vaudreuil, Edward J., Eau Claire, Wis. Pea-vine threshing and hulling machine. No. 1,220,477; Mar. 27; v. 236; p. 1009.
- Vaudreuil, John, Milwaukee, Wis. Bath-tub. No. 1,246,190; Nov. 13; v. 244; p. 343.
- Vaugean, Alexandre, A. de Lavandeyra, and W. Garthwaite, Paris, France. Microphone. No. 1,230,956; June 26; v. 239; p. 988.
- Vaughan, David F., Riverton, N. J. Anticreeper for railway-rails. No. 1,216,256; Feb. 13; v. 235; p. 663.
- Vaughan, David F., Riverton, N. J. Anticreeper for railway-rails. No. 1,244,145; Oct. 23; v. 243; p. 944.
- Vaughan, Henry H. (See Burnett, Richard W., assignor.)
- Vaughan, Henry H., Montreal, Quebec, Canada. Head-gear. No. 1,238,966; Sept. 4; v. 242; p. 79.
- Vaughan, Henry H., Montreal, Quebec, Canada. Passenger-car frame. No. 1,245,071; Oct. 30; v. 243; p. 1262.
- Vaughan, Levin D., Philadelphia, Pa. Temperature-regulator. No. 1,220,381; Mar. 27; v. 236; p. 975.
- Vaughan, Ross, assignor to American Can Company, New York, N. Y. Spout for receptacles. No. 1,224,583; May 1; v. 238; p. 167.
- Vaughan, Sanford S. (See Johnson, Gustaf E., assignor.)
- Vaughan, Sidney L., Grand Rapids, Mich. Ticket holder and cutter. No. 1,249,862; Dec. 11; v. 245; p. 447.
- Vaughan, Thomas M., assignor to B.-C. Mfg. Co., Battle Creek, Mich. Wheeled toy. No. 1,225,082; May 8; v. 238; p. 389.
- Vaughn, David, Walla Walla, Wash. Vehicle-seat. No. 1,236,022; Aug. 7; v. 241; p. 162.
- Vaughn, John K., Sanford, Fla. Splitting-machine. No. 1,250,054; Dec. 11; v. 245; p. 500.
- Vaughn, Lorenzo D., and W. P. Samples, Grafton, W. Va. Rail-fastening device. No. 1,239,321; Sept. 4; v. 242; p. 192.
- Vaughn, Thomas E., Crafton, Pa. Exercising apparatus. No. 1,237,588; Aug. 21; v. 241; p. 732.
- Vaughn-Upton Company. (See Upton, Henry J., assignor.)
- Vaught, James C. II., New York, N. Y. Pneumatic drill. No. 1,222,823; Apr. 17; v. 237; p. 711.
- Vaught, Karl R., Indianapolis, Ind. Adjustable head-light. No. 1,250,249; Dec. 18; v. 245; p. 598.
- Vavra, Emerich H., Chicago, Ill. Receptacle-lining. No. 1,218,723; Mar. 13; v. 236; p. 327.
- Vaygouny, Mooshegh, Berkeley, Cal., assignor to Royal Baking Powder Company. Baking-powder. No. 1,214,726; Feb. 6; v. 235; p. 87.
- Vaygouny, Mooshegh, Berkeley, Cal., assignor to Royal Baking Powder Company. Making glyoxylic acid or its compounds. No. 1,227,706; May 29; v. 238; p. 1383.
- Veatch, John M., Palco, Kans. Harvesting-machine. No. 1,214,242; Jan. 30; v. 234; p. 1463.
- Vecchio, Louis, Albany, N. Y. Electric thermal cut-out device. No. 1,239,322; Sept. 4; v. 242; p. 193.
- Vecelius, Leonard C., Detroit, Mich. Combined tank gage and filler. No. 1,232,737; July 10; v. 240; p. 431.
- Veckruijs, Walter R., La Grange, Ill. Grain-tank. No. 1,213,041; Jan. 16; v. 234; p. 987.
- Veck, Max, Lafayette, Pa. Brush. No. 1,234,977; July 31; v. 240; p. 1259.
- Vega Company, The. (See Nelson, Carl L. W., assignor.)
- Vehicle Signal Company. (See Douglass, Samuel F., assignor.)
- Veley, Carl J., Kalamazoo, assignor to Comstock Automatic Pump Co., Comstock, Mich. Pressure-regulator. No. 1,214,978; Feb. 6; v. 235; p. 174.
- Velis, Jorge B., assignor of one-half to A. A. Pinzon, Habana, Cuba. Tire-protector. No. 1,224,341; May 1; v. 238; p. 82.
- Veltung, Ernest, New York, N. Y. Non-skidding and tire-holding device for pneumatic tires. No. 1,239,749; Sept. 11; v. 242; p. 357.
- Venard, William H., Ridge, Colo. Attachment for hay-racks. No. 1,249,257; Dec. 4; v. 245; p. 239.
- Venden, Joseph O. (See Aerni and Venden.)
- Venn, Isaac H., Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Elevator safety device. No. 1,242,394; Oct. 9; v. 243; p. 335.
- Venn, John G., assignor to Jackson Cushion Spring Company, Jackson, Mich. Spring structure. No. 1,213,980; Jan. 30; v. 234; p. 1373.
- Venning, Frank J., Cincinnati, Ohio. Track-grinding machine. No. 1,231,102; June 26; v. 239; p. 1039.
- Venning, John. (See Downes, Allan J., assignor.)
- Venosa, Domenico, Jr. (See Morelli, Enrico, assignor.)
- Venter, John H., Lincoln, Nebr. Harness back-strap. No. 1,225,083; May 8; v. 238; p. 390.
- Ver Planck, William E., Erie, Pa., assignor to General Electric Company. Ventilating system for car-motors. No. 1,239,647; Sept. 11; v. 242; p. 323.
- Ver Planck, William E., Erie, Pa., assignor to General Electric Company. Air-starting system for internal-combustion engines. No. 1,239,648; Sept. 11; v. 242; p. 324.
- Ver Planck, William E., Erie, Pa., assignor to General Electric Company. Compressor. No. 1,242,276; Oct. 9; v. 243; p. 296.
- Ver Planck, William E., Erie, Pa., assignor to General Electric Company. Piston for internal-combustion engines. No. 1,245,641; Nov. 6; v. 244; p. 151.
- Ver Planck, William E., Erie, Pa., assignor to General Electric Company. Internal-combustion engine. No. 1,245,642; Nov. 6; v. 244; p. 152.
- Ver Planck, William E., Erie, Pa., assignor to General Electric Company. Air-compressor. No. 1,245,643; Nov. 6; v. 244; p. 152.
- Ver Planck, William E., Erie, Pa., assignor to General Electric Company. Internal-combustion engine. No. 1,245,644; Nov. 6; v. 244; p. 153.
- Vera, Manuel, Brooklyn, N. Y. Scrubbing and drying machine. No. 1,214,849; Feb. 6; v. 235; p. 126.
- Verbeck, Katherine J. (See Verbeck, William, assignor.)
- Verbeck, William, assignor to K. J. Verbeck, Manlius, N. Y. Photographic apparatus. No. 1,228,722; June 5; v. 239; p. 118.
- Vercler, Raymond D., Los Angeles, Cal. Gold-testing device. No. 1,229,827; June 12; v. 239; p. 539.
- Verderber, Josef, Cleveland, Ohio. Automobile heating and cooling apparatus. No. 1,213,305; Jan. 23; v. 234; p. 1112.
- Verdone, Rocco, New York, N. Y. Fire-extinguisher. No. 1,231,815; July 3; v. 240; p. 95.
- Verenius, Otto N., Sioux City, Iowa. Ticket-separating machine. No. 1,226,930; May 22; v. 238; p. 1094.
- Veres, Zigmund, Shelton, Conn. Hat-pin-point protector. No. 1,223,540; Apr. 24; v. 237; p. 991.
- Verity, Claude H., Leeds, England. Synchronization of machines for recording and reproducing sounds and movements. No. 1,245,834; Nov. 6; v. 244; p. 210.
- Vermaes, Stefanus J., Delft, assignor to Mijnbouwmaatschappij Aequator, The Hague, Netherlands. Treating refractory ores. No. 1,234,426; July 24; v. 240; p. 1052.
- Vermont Farm Machine Company, The. (See Kimball, Perley L., assignor.)
- Vernart Manufacturing Corporation. (See Kotter, Colton, and Scherwin, assignors.)
- Vernon, Frank S., Jamestown, N. Y. Sheet-metal shaping and bending machine. No. 1,233,732; July 17; v. 240; p. 791.
- Vernon, James B., Pittsburgh, Pa. Compression and suction device. No. 1,210,730; Jan. 2; v. 234; p. 122.
- Verstey, Charles J., et al. (See Kain, William J., assignor.)
- Vertical Drainage Company. (See Beall, Albert E., assignor.)
- Vertuuni, Joseph, Long Beach, Cal. Heel-cutter. No. 1,213,560; Jan. 23; v. 234; p. 1201.

Alphabetical list of patentees—Continued.

- Vervoort, Jules F., assignor of one-fourth to L. D. McJilton, Los Angeles, Cal. Automobile-lock. No. 1,236,124; Aug. 7; v. 241; p. 191.
- Very, William R. M., New Rochelle, N. Y. Spare-wheel carrier for motor-cars. No. 1,249,564; Dec. 11; v. 245; p. 358.
- Vest, Clarence D., assignor of one-half to F. A. Young, Martinez, Cal. Electric controller. No. 1,215,592; Feb. 13; v. 235; p. 425.
- Vesta Accumulator Company. (See Morrison, William, assignor.) (Reissue.)
- Vesta Accumulator Company. (See Perry, Lee J., assignor.)
- Vesterling, August, Battersea Park, London, England. Filing of records, letters, and other documents. No. 1,231,816; July 3; v. 240; p. 95.
- Vestine, Andrew O., Worcester, Mass. Pulley. No. 1,217,371; Feb. 27; v. 235; p. 1142.
- Vettel, Hugo. (See Dixon and Vettel.)
- Vetter, Walter G., Alva, Okla. Shield for automobile-radiators. No. 1,244,802; Oct. 30; v. 243; p. 1181.
- Viator, Etienne. (See Clanton, William A., assignor.)
- Vicars, Edward L. (See Vicars, Thomas, J. and E. L.)
- Vicars, John. (See Vicars, Thomas, J., and E. L.)
- Vicars, Thomas, J., and E. L., Earlestown, England. Bis-cuit-cutting machine. No. 1,231,817; July 3; v. 240; p. 95.
- Vicenzi, Cesare, Milwaukee, Wis. Door-latch. No. 1,235,946; Aug. 7; v. 241; p. 137.
- Vicle, John, and H. J. Sandberg, Chicago, Ill. Automobile-top. No. 1,225,377; May 8; v. 238; p. 492.
- Vick, Frank H., assignor to G. F. Maguire, New York, N. Y. Mechanism for making and dispensing drinking-cups and dispensing liquids. No. 1,226,033; May 15; v. 238; p. 754.
- Vick, Frank H., assignor to T. Liston, New York, N. Y. Machine for making paper receptacles. No. 1,226,034; May 15; v. 238; p. 755.
- Vickers, Harry W., Little Falls, N. Y. Splint. No. 1,238,224; Aug. 28; v. 241; p. 969.
- Vickers Limited. (See Burns, William A., assignor.)
- Vickers Limited. (See Dawson and Horne, assignors.)
- Vickers Limited. (See Duncan, Thomas S., assignor.)
- Vickers Limited. (See Elia, Giovanni E., assignor.)
- Vickers Limited. (See Francis, Charles E., assignor.)
- Vickers Limited. (See McKechin, James, assignor.)
- Vickers Limited. (See Scott, Alfred A., assignor.)
- Vickers Limited. (See Thurston, Thomas G. O., assignor.)
- Vicknair, Joseph. (See Simoncaux, Edward N., assignor.)
- Victor, Alexander F., Davenport, Iowa. Condensing-lens for cinematographs. No. 1,212,853; Jan. 16; v. 234; p. 921.
- Victor, Alexander F., Davenport, Iowa. Dissolving-stereopticon. No. 1,231,974; July 3; v. 240; p. 146.
- Victor, Alexander F., assignor to Victor Animatograph Company, Davenport, Iowa. Stereopticon. No. 1,227,507; May 22; v. 238; p. 1287.
- Victor Animatograph Company. (See Victor, Alexander F., assignor.)
- Victor Electric Company. (See Wantz, Julius B., assignor.)
- Victor, Frank, Ridgway, Pa. Window sash and ventilator. No. 1,240,107; Sept. 11; v. 242; p. 467.
- Victor, Joseph B., assignor to Victor Manufacturing & Gasket Co., Chicago, Ill. Audible signaling device. No. 1,237,842; Aug. 21; v. 241; p. 813.
- Victor, Joseph B., assignor to Victor Manufacturing & Gasket Co., Chicago, Ill. Gasket. No. 1,241,587; Oct. 2; v. 243; p. 39.
- Victor Manufacturing & Gasket Co. (See Victor, Joseph B., assignor.)
- Victor S. Pearlman & Co. (See Pearlman, Victor S., assignor.)
- Victor Shoe Machinery Company. (See Erickson, Edward, assignor.)
- Victor Shoe Machinery Company. (See Johnson and Erickson, assignors.)
- Victor Shoe Machinery Company. (See Sjostrom, Peter, assignor.)
- Victor Talking Machine Company. (See Dennison, Wilburn N., assignor.)
- Victor Talking Machine Company. (See English, John C., assignor.)
- Victor Talking Machine Company. (See Johnson, Eldridge R., assignor.)
- Victor Talking Machine Company. (See Johnson and English, assignors.)
- Victor Talking Machine Company. (See La Rue, William D., assignor.)
- Victor Talking Machine Company. (See Lumiere, Louis, assignor.)
- Victor Talking Machine Company. (See Miller, Henry C., assignor.) (Reissue.)
- Victor Talking Machine Company. (See Murray, Henry H., assignor.)
- Victor Talking Machine Company. (See Owen and Hewitt, assignors.)
- Victor Talking Machine Company, The. (See Royal, Belford G., assignor.)
- Victor Talking Machine Company. (See Valiquet, Louis P., assignor.)
- Victor Talking Machine Company. (See Wickes, Clarence S., assignor.)
- Vidal, Charles H., London, England. Electric lighting and heating of railway and other vehicles. No. 1,241,310; Sept. 25; v. 242; p. 917.
- Vidal, Raymond, Paris, France. Emulsifiable liquid or solid solution and making it. No. 1,229,681; June 12; v. 239; p. 491.
- Viden, Samuel C., Milwaukee, Wis. Flag-holder. No. 1,220,299; Mar. 27; v. 236; p. 915.
- Vidrine, Achille C., Deshotels, La. Plow attachment. No. 1,227,508; May 22; v. 238; p. 1287.
- Viele, Byron E., Grinnell, Iowa. Bearing-cooling device. No. 1,236,238; Aug. 7; v. 241; p. 229.
- Vierengel, Matthew, Brooklyn, N. Y. Vehicle-tire. No. 1,216,893; Feb. 20; v. 235; p. 935.
- Vierengel, Matthew, Brooklyn, N. Y., assignor to Samuel Cupples Envelope Company, St. Louis, Mo. Window-envelope machine. No. 1,234,512; July 24; v. 240; p. 1079.
- Vierlinger, Herman K., Brooklyn, N. Y., assignor to The Strobel & Wilken Company, Cincinnati, Ohio. Artificial Christmas tree. No. 1,240,392; Sept. 18; v. 242; p. 596.
- Viero Company, Inc. (See Viertels, Ephraim, assignor.)
- Viertels, Ephraim, assignor to Viero Company, Inc., New York, N. Y. Tip-fastener for shoe-laces. No. 1,231,103; June 26; v. 239; p. 1039.
- Viets, Minna. (See Fortain and Viets.)
- Viggers, Felix, Des Moines, Iowa. Automatic stoker. No. 1,227,707; May 29; v. 238; p. 1384.
- Viktorek, Leopold L., Chokio, Minn. Engine-guide. No. 1,234,427; July 24; v. 240; p. 1052.
- Vilkomerson, Elizabeth F., New York, N. Y. Holder for fountain-pens. No. 1,241,311; Sept. 25; v. 242; p. 917.
- Villa, Julio Y. (See Alonss & Yzaguirre and Villa.)
- Villar, Victor A., New York, N. Y., and S. C. Talbot, London, England. Land-torpedo. No. 1,211,015; Jan. 2; v. 234; p. 222.
- Villeneuve, Valmore, Mount St. Patrick, Ontario, Canada. Gage. No. 1,236,631; Aug. 14; v. 241; p. 386.
- Vinal, Floyd, Toledo, Ohio. Crochet tension device. No. 1,247,184; Nov. 20; v. 244; p. 673.
- Vincent-Alward Company, The. (See Vincent, William W., assignor.)
- Vincent, Ernest P., New York, N. Y. Clothes-hanger. No. 1,248,577; Dec. 4; v. 245; p. 45.
- Vincent, Harry M. (See Westcott and Vincent.)
- Vincent, Harry S., Ridgewood, N. J. Throttle-valve. No. 1,227,097; May 22; v. 238; p. 1152.
- Vincent, Harry S., Ridgewood, N. J., and J. L. Mohun, Brooklyn, N. Y. Locomotive-drifting-valve mechanism. No. 1,211,645; Jan. 9; v. 234; p. 467.
- Vincent, Harry S., Ridgewood, N. J., and J. L. Mohun, Brooklyn, N. Y. Locomotive-drifting-valve mechanism. No. 1,211,646; Jan. 9; v. 234; p. 468.
- Vincent, Harry S., Ridgewood, and W. P. Steele, Palisade, N. J. Throttle-valve mechanism for locomotives. No. 1,227,096; May 22; v. 238; p. 1152.
- Vincent, James. (See Vincent, Joel, assignor.)
- Vincent, Jesse G., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculator. No. 1,218,136; Mar. 6; v. 236; p. 87.
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,229,682; June 12; v. 239; p. 491.
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle. No. 1,230,450; June 19; v. 239; p. 780.
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Vibration damping mechanism. No. 1,234,978; July 31; v. 240; p. 1259.
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Clutch mechanism. No. 1,241,060; Sept. 25; v. 242; p. 835.
- Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon-motor. No. 1,251,142; Dec. 25; v. 245; p. 913.
- Vincent, Jesse G., and N. White, assignors to Burroughs Adding Machine Company, Detroit, Mich. Calculator. No. 1,221,927; Apr. 10; v. 237; p. 356.
- Vincent, Joel, Rock Membre, assignor of one-half to J. Vincent, Eastbourne, England. Oliver or tilt-hammer. No. 1,236,632; Aug. 14; v. 241; p. 386.
- Vincent, Joseph E., assignor of one-half to M. Movsessian, Cambridge, Mass. Washer-counter. No. 1,217,372; Feb. 27; v. 235; p. 1142.
- Vincent, Louis N., Prescott, Ariz. Drain-valve. No. 1,227,098; May 22; v. 238; p. 1153.
- Vincent, Louis N., Prescott, Ariz. Automatic oiler or lubricator. No. 1,234,585; July 24; v. 240; p. 1102.
- Vincent, Victor, Quimper, France. Direct extraction of iodine from fresh or dried marine algae. No. 1,249,863; Dec. 11; v. 245; p. 447.
- Vincent, William W., assignor to The Vincent-Alward Company, Kenosha, Wis. Spring-cushion. No. 1,248,956; Dec. 4; v. 245; p. 154.
- Viney, Frederick C., assignor to J. H. Blye, Philadelphia, Pa. Fluid-meter. No. 1,241,170; Sept. 25; v. 242; p. 869.
- Vinik, Mathias J., New York, N. Y. Finder for cameras. No. 1,218,342; Mar. 6; v. 236; p. 159.
- Vining, Marion L. (See Hamlin, Fred J., assignor.)

- Vinson, Thomas C., assignor of one-fourth to A. A. Ewing and one-fourth to W. T. Warren, Guthrie, Okla. Combined razor hone and strop. No. 1,242,746; Oct. 9; v. 243; p. 447.
- Vintila, John, Cleveland, Ohio. Arc-lamp. No. 1,211,016; Jan. 2; v. 234; p. 222.
- Vinzent, Theodore R., and C. E. Warren, Alameda, Cal. Card-selecting device. No. 1,228,854; June 5; v. 239; p. 164.
- Vioch, Roman, Chicago, Ill. Wire-cutting projectile. No. 1,232,627; July 10; v. 240; p. 393.
- Viol, Charles H., assignor to Standard Chemical Company, Pittsburgh, Pa. Therapeutic applicator. No. 1,210,731; Jan. 2; v. 234; p. 122.
- Viosca, Jose R. (See Guerrero, Viosca, and Gaxiola.)
- Virden, Jessie E., Philadelphia, Pa. Washing apparatus. No. 1,226,283; May 15; v. 238; p. 844.
- Virginia Haloid Company. (See Nagelvoort, Adriaan, assignor.)
- Virnig, William, Bemidji, Minn. Game-cue. No. 1,241,312; Sept. 25; v. 242; p. 917.
- Virovatz, Joseph, assignor of one-half to J. Kiraly, Cudahy, Wis. Combination mail and milk box. No. 1,239,323; Sept. 4; v. 242; p. 193.
- Viscoloid Company. (See Owens, Harvey M., assignor.)
- Viscoloid Company. (See Reagan, Daniel J., assignor.)
- Vissat, Anthony L., Herminie, Pa. Movable frog. No. 1,231,676; July 3; v. 240; p. 47.
- Visser, Aart P., The Hague, Netherlands. Dry gas-meter. No. 1,212,290; Jan. 16; v. 234; p. 725.
- Vissering, Harry, Chicago, Ill. Coupling. No. 1,234,104; July 17; v. 240; p. 909.
- Vitaslide Company. (See Gilmore, Earl L., assignor.)
- Vittetoe, James W., Mart, Tex. Cotton-picker. No. 1,225,193; May 8; v. 238; p. 427.
- Vitulio, John B., Chicago, Ill. Rocking-chair. No. 1,241,171; Sept. 25; v. 242; p. 870.
- Vivinus, Edouard A., Tonbridge, England. Piston or like packing. No. 1,216,521; Feb. 20; v. 235; p. 807.
- Vlieschouwer, Camille de, and J. Tacoma, Amsterdam, Netherlands. Latch mechanism for collapsible shelves and doors. No. 1,214,018; Jan. 30; v. 234; p. 1388.
- Vlieschouwer, Camille de, and J. Tacoma, Amsterdam, Netherlands. Desk or cabinet for disappearing typewriting machines. No. 1,223,677; Apr. 24; v. 237; p. 1039.
- Vocelle, Adolph, assignor to Dodge Brothers, Detroit, Mich. Cylinder-lapping machine. No. 1,246,191; Nov. 13; v. 244; p. 344.
- Vockell, William H. (See Hazelton and Vockell.)
- Vodicka, John, and A. F. Young, assignors to Eureka Carburetter Co., Charlevoix, Mich. Carbureter. No. 1,229,683; June 12; v. 239; p. 491.
- Voelker, Eva J., Cincinnati, Ohio. Condiment-holder. No. 1,245,835; Nov. 6; v. 244; p. 210.
- Voelz, Louis J., Kenosha, Wis. Davenport-bed. No. 1,231,223; June 26; v. 239; p. 1078.
- Voetter, Ernst, Krefeld, near Bockum, Germany. Preparing compound of chromium oxid. No. 1,228,622; June 5; v. 239; p. 84.
- Vogan, Frank M., Canton, Ohio. Mold for concrete construction. No. 1,224,584; May 1; v. 238; p. 168.
- Vogel, Eugene W., Oak Park, assignor to Chicago Railway Signal and Supply Company, Carpentersville, Ill. Protective apparatus for electric circuits. No. 1,210,568; Jan. 2; v. 234; p. 66.
- Vogel, Eugene W., Oak Park, assignor to Chicago Railway Signal and Supply Company, Carpentersville, Ill. Track-drill. No. 1,213,306; Jan. 23; v. 234; p. 1113.
- Vogel, Eugene W., Oak Park, assignor to Chicago Railway Signal and Supply Company, Carpentersville, Ill. Device for manipulating railway-rails. No. 1,223,452; Apr. 24; v. 237; p. 957.
- Vogel, Eugene W., Oak Park, assignor to Chicago Railway Signal and Supply Company, Carpentersville, Ill. Signal-bell for railway service. No. 1,229,549; June 12; v. 239; p. 446.
- Vogel, Eugene W., Oak Park, assignor to Chicago Railway Signal and Supply Company, Carpentersville, Ill. Guide-bracket for detector-bars. No. 1,229,828; June 12; v. 239; p. 539.
- Vogel, Eugene W., Oak Park, assignor to Chicago Railway Signal and Supply Company, Carpentersville, Ill. Electric contact device. No. 1,234,237; July 24; v. 240; p. 240.
- Vogel, Eugene W., Oak Park, assignor to Chicago Railway Signal and Supply Company, Carpentersville, Ill. Highway signaling apparatus. No. 1,238,848; Sept. 4; v. 242; p. 41.
- Vogel, Eugene W., Oak Park, assignor to Chicago Railway Signal and Supply Company, Carpentersville, Ill. Crossing-bell. No. 1,239,850; Sept. 11; v. 242; p. 390.
- Vogel, Eugene W., Oak Park, assignor to Chicago Railway Signal and Supply Company, Carpentersville, Ill. Rail-expander. No. 1,242,395; Oct. 9; v. 243; p. 335.
- Vogel, Eugene W., Oak Park, assignor to Chicago Railway Signal and Supply Company, Carpentersville, Ill. Table-lever for electric signaling apparatus. No. 1,247,753; Nov. 27; v. 244; p. 870.
- Vogel, Eugene W., Oak Park, assignor to Chicago Railway Signal and Supply Company, Carpentersville, Ill. Highway signaling apparatus for railway service. No. 1,250,250; Dec. 18; v. 245; p. 598.
- Vogel, Felix A., assignor to General Briquetting Company, New York, N. Y. Manufacture of briquets. No. 1,212,291; Jan. 16; v. 234; p. 725.
- Vogel, Joseph A., Wilmington, Del. Flushing mechanism. No. 1,249,258; Dec. 4; v. 245; p. 240.
- Vogel, Joseph J., Springfield, Minn. Stone-picker. No. 1,216,751; Feb. 20; v. 235; p. 887.
- Vogel, Joshua F., assignor to Gendron Wheel Company, Toledo, Ohio. Wheel-hub. No. 1,242,277; Oct. 9; v. 243; p. 297.
- Vogel, Peter, and H. Schutte, Spokane, Wash. Door-fastener. No. 1,227,708; May 29; v. 238; p. 1384.
- Vögele, Heinrich, Mannheim, and K. Klensch, Ludwigshafen-on-the-Rhine, Germany. Turn-table. No. 1,220,031; Mar. 20; v. 236; p. 811.
- Vogeler, Fritz S., and H. S. Sprecher, Greeley, Nebr. Grain-carrier. No. 1,233,623; July 17; v. 240; p. 758.
- Vogelman, Joseph, Richmond, Ind. Piano-back. No. 1,211,791; Jan. 9; v. 234; p. 518.
- Vogenberger, William C. (See Wayman, Edmund G., assignor.)
- Vogenberger, William C., Wilkinsburg, Pa. Igniter for internal-combustion engines. No. 1,248,210; Nov. 27; v. 244; p. 998.
- Voges, Hermann W., Springfield, Mass. Micrometer-callipers. No. 1,244,263; Oct. 23; v. 243; p. 980.
- Vogler, Charles W., Frankfort, Ky. Shoe-horn. No. 1,233,422; July 17; v. 240; p. 690.
- Vogler, Frank C., San Antonio, Tex. Vehicle-wheel. No. 1,242,278; Oct. 9; v. 243; p. 297.
- Voglesong, Clyde C., Oakland, Cal., assignor to American Coin Register Company. Coin separator and counter. No. 1,210,732; Jan. 2; v. 234; p. 122.
- Vogt, Albert E., assignor to Vogt Mfg. & Coach Lace Co., Rochester, N. Y. Finishing-strip. No. 1,243,903; Oct. 23; v. 243; p. 873.
- Vogt, Axel S., and C. E. Barba, Altoona, Pa. Scale. No. 1,234,979; July 31; v. 240; p. 1259.
- Vogt, Axel S., F. M. Basler, and L. J. Schlachter, Altoona, Pa. Weather-shield for track-scales. No. 1,234,980; July 31; v. 240; p. 1260.
- Vogt, Louis F. (See Keeney and Vogt.)
- Vogt Mfg. & Coach Lace Co. (See Vogt, Albert E., assignor.)
- Vogtländische Maschinen-Fabrik. (See Granz, Josef, assignor.)
- Vogtländische Maschinen-Fabrik. (See Sieber, Gottwalt, assignor.)
- Voight, George F., San Francisco, Cal. Door-hanger. No. 1,223,451; Apr. 24; v. 237; p. 956.
- Voight, George F., San Francisco, Cal. Lifting-jack. No. 1,229,550; June 12; v. 239; p. 446.
- Voight, George F., San Francisco, Cal. Electric signaling device for automobiles. No. 1,230,957; June 26; v. 239; p. 988.
- Voight, George F., San Francisco, Cal. Signaling-horn. No. 1,235,743; Aug. 7; v. 241; p. 68.
- Voight, George F., San Francisco, Cal. Electric-circuit closer for automobiles. No. 1,239,236; Sept. 4; v. 242; p. 166.
- Voith, George F., Philadelphia, Pa. Repeating device for talking-machines. No. 1,248,041; Nov. 27; v. 244; p. 950.
- Voight, Henry G., New Britain, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,216,752; Feb. 20; v. 235; p. 887.
- Voight, Henry G., New Britain, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,221,115; Apr. 3; v. 237; p. 38.
- Voight, Henry G., New Britain, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,233,147; July 10; v. 240; p. 565.
- Voight, Henry G., New Britain, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,233,733; July 17; v. 240; p. 791.
- Voight, Henry G., New Britain, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,235,615; Aug. 7; v. 241; p. 29.
- Voight, Henry G., New Britain, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,235,616; Aug. 7; v. 241; p. 29.
- Voight, Henry G., New Britain, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,241,787; Oct. 2; v. 243; p. 101.
- Voight, Henry G., New Britain, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,241,788; Oct. 2; v. 243; p. 101.
- Voight, Henry G., New Britain, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,242,085; Oct. 2; v. 243; p. 195.
- Voight, Henry G., New Britain, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,243,016; Oct. 16; v. 243; p. 568.
- Voight, Henry G., New Britain, assignor to Sargent & Company, New Haven, Conn. Lock. No. 1,244,264; Oct. 23; v. 243; p. 980.
- Voight, Henry G., New Britain, and G. B. Pickop, assignors to Sargent & Company, New Haven, Conn. Lock. No. 1,235,614; Aug. 7; v. 241; p. 29.
- Voightmann & Co. (See Iman, Orla H., assignor.)
- Voigt, Charles, Sheboygan, Wis. Indicator for cameras. No. 1,216,631; Feb. 20; v. 235; p. 847.
- Voigt, Oscar, New York, N. Y. Engine testing and priming device. No. 1,248,957; Dec. 4; v. 245; p. 154.

Alphabetical list of patentees—Continued.

- Voigtländer, Otto, Essen-on-the-Ruhr, Germany. Producing homogeneous articles of any desired form out of pure tungsten. No. 1,224,242; May 1; v. 238; p. 45.
- Voigtländer, Otto, and H. Lohmann, Essen-on-the-Ruhr, Germany. Producing homogeneous bodies of chemically-pure tungsten metal of any desired shape. No. 1,212,426; Jan. 16; v. 234; p. 772.
- Volckhausen, Julius. (See Schweinert and Volckhausen.)
- Volhard, Charles, San Francisco, Cal. Soap-tray. No. 1,212,588; Jan. 16; v. 234; p. 829.
- Volkhardt, William, Stapleton, N. Y. Keyless street-washer. No. 1,251,306; Dec. 25; v. 245; p. 962.
- Volkmann, Charles, Chicago, Ill. Derrick-car. No. 1,216,188; Feb. 13; v. 235; p. 638.
- Volkmann, Charles, Chicago, Ill. Cotton-picking spindle and stripper therefor. No. 1,227,223; May 22; v. 238; p. 1195.
- Volkmann, Charles, assignor to The Universal Butter Machine Company, Chicago, Ill. Butter making and molding machine. No. 1,211,508; Jan. 9; v. 234; p. 421.
- Volkwein, Harry J., Pittsburgh, Pa. Hanger for swings. No. 1,213,783; Jan. 23; v. 234; p. 1275.
- Volland, Hugo R., St. Louis, Mo. Scenery-brace. No. 1,220,032; Mar. 20; v. 236; p. 812.
- Vollbrecht, Frederick A., assignor to Industrial Electric Mfg. Company, Detroit, Mich. Toaster. No. 1,213,981; Jan. 30; v. 234; p. 1374.
- Vollbrot Patent-Verwertungsgesellschaft m. b. H. (See Gross, Paul, assignor.)
- Völler, Karl, Dusseldorf, Germany. Running-out telescopic spring of guns with recoiling barrels. No. 1,215,438; Feb. 13; v. 235; p. 367.
- Vollmer, Charles F., Denver, Colo. Convertible chair and table. No. 1,220,300; Mar. 27; v. 236; p. 945.
- Vollmer, Charles F., Denver, Colo. Wardrobe. No. 1,226,931; May 22; v. 238; p. 1094.
- Vollmer, Frederick D., Moline, Ill. Sad-iron. No. 1,216,522; Feb. 20; v. 235; p. 807.
- Vollmer, John E. (See Good, Francis R., assignor.)
- Volpato, Vittorio, Milan, Italy. Preparation of a phosphate fertilizer. No. 1,229,684; June 12; v. 239; p. 492.
- Volquards, Marie, Visalia, Cal. Breast-pump. No. 1,220,707; Mar. 27; v. 236; p. 1087.
- Volto Company, The. (See Dorment, Frank C., assignor.)
- Volunteer Fireman Signal Company, The. (See Tracy, Oliver H., assignor.)
- Volunteer Firemen's Signal Company. (See Meyers, Louis A., assignor.) (Reissue.)
- Volz, Christian, et al. (See Allinger, Frank A., assignor.)
- Volz, Simon, assignor to The Twentieth Century Machinery Company, Milwaukee, Wis. Apparatus for pasteurizing bottled liquids. No. 1,226,726; May 22; v. 238; p. 1024.
- Vom Eigen, Benno, Newark, N. J., assignor to August Goertz & Co. Savings-bank or coin-repository. No. 1,229,829; June 12; v. 239; p. 539.
- Von Ahnen, Paul E., Caspar, Cal. Collapsible tent-pole. No. 1,214,979; Feb. 6; v. 235; p. 175.
- Von Auw, Alwin, Brooklyn, assignor to Boorum and Pease Company, New York, N. Y. Apparatus for use in the manufacture of books. No. 1,250,728; Dec. 18; v. 245; p. 741.
- Von Bichowsky, Foord, Berkeley, Cal. Flash-point tester. No. 1,232,413; July 3; v. 240; p. 290.
- Von Boden, George B., and E. F. Ingles, San Francisco, Cal. Oil-burner. No. 1,211,792; Jan. 9; v. 234; p. 518.
- Von Brecht, Frank A., Clayton, Mo. Making membrane from animal tissue. No. 1,235,947; Aug. 7; v. 241; p. 138.
- Von Brethorst, Joergen, Webster City, Iowa. Tractor-hitch. No. 1,235,082; July 31; v. 240; p. 1290.
- Von Culin, Clayton. (See Beach and Von Culin.)
- Von Culin, Clayton, New York, N. Y., assignor of one-half to G. W. Beach, Saybrook, Conn. Egg-tester. No. 1,210,733; Jan. 2; v. 234; p. 123.
- Von Culin, Clayton, New York, N. Y., and G. W. Beach, Saybrook, Conn. Dirigible headlight. No. 1,229,551; June 12; v. 239; p. 447.
- Von der Heydt, Herman, Oak Park, assignor to Kuehl Clock Co., Chicago, Ill. Pianissimo device for chimes. No. 1,236,239; Aug. 7; v. 241; p. 229.
- Von der Lin, Simon J. (See von der Lin, Valentine and S. J.)
- Von der Lin, Valentine, New York, and S. J. Von der Lin, Brooklyn, N. Y. Furniture-tread. No. 1,229,830; June 12; v. 239; p. 540.
- Von der Lin, Valentine and S. J., New York, N. Y. Furniture-tread. No. 1,229,831; June 12; v. 239; p. 540.
- Von Elbertz, Frankwill, assignor of one-half to H. H. Buckwalter, Chicago, and one-half to H. S. Pruyn, Jr., Cook county, Ill. Steering-wheel. No. 1,242,279; Oct. 9; v. 243; p. 297.
- Von Epler, Joseph, New York, N. Y. Preserving vegetables, fruits, and the like. No. 1,236,382; Aug. 7; v. 241; p. 270.
- Von Frieling, Henry. (See Von Frieling, John and H.)
- Von Frieling, John and H., Gaylord, Kans. Automatic door-locking device. No. 1,221,635; Apr. 3; v. 237; p. 220.
- Von Gliznsky, Casimir, assignor of forty-five one-hundredths to C. C. Kehoe, Schenectady, N. Y. Signal device. No. 1,233,002; July 10; v. 240; p. 517.
- Von Gunten, Frederick J., Winnipeg, Manitoba, Canada. Attachment to printing-frames. No. 1,251,143; Dec. 25; v. 245; p. 913.
- Von Hagen, Arnold C., Kansas City, Mo. Cleaning wheat and other grains. No. 1,221,636; Apr. 3; v. 237; p. 220.
- Von Hagen, Arnold C., Kansas City, Mo. Treating wheat. No. 1,237,425; Aug. 21; v. 241; p. 680.
- Von Hassel, Georg M., New York, N. Y. Apparatus for treating building and road material. No. 1,213,982; Jan. 30; v. 234; p. 1374.
- Von Holle, Henry. (See Stichtenoth, George J., assignor.)
- Von Horváth, Guido, Philadelphia, Pa. Embroidery outfit. No. 1,211,793; Jan. 9; v. 234; p. 519.
- Von Kramer, Hans, Edgbaston, Birmingham, England. Means for the regulation or control of railway and like traffic. No. 1,211,017; Jan. 2; v. 234; p. 222.
- Von Kramer, Hans, Edgbaston, Birmingham, England. Means for the regulation or control of railway and like traffic. No. 1,219,508; Mar. 20; v. 236; p. 629.
- Von Krusenstjerna, Ernst M., St. Paul, Minn. Detachable diaphragm for gas-meters. No. 1,238,463; Aug. 28; v. 241; p. 1047.
- Von Madaler, Ferdinand, New York, N. Y., assignor to The Rotary Photographic Co. Ltd., West Drayton, England. Cinematograph and gramophone machine. No. 1,230,633; June 19; v. 239; p. 842.
- Von Nagy, Ladislaus. (See Goodrum and Von Nagy.)
- Von Nelda, John W., Sioux Falls, S. D. Hard-snow and ice plow for railways. No. 1,228,080; May 29; v. 238; p. 1512.
- Von Osterheldt, Earl. (See Kauffman, Ralph A., assignor.)
- Von Pein, Edward J., assignor to The National Cash Register Company, Dayton, Ohio. Printing mechanism for cash-registers. No. 1,230,241; June 19; v. 239; p. 711.
- Von Pein, Edward J., assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,234,238; July 24; v. 240; p. 990.
- Von Pein, Edward J., assignor to The National Cash Register Company, Dayton, Ohio. Keyboard mechanism for cash-registers. No. 1,242,280; Oct. 9; v. 243; p. 297.
- Von Pein, Edward J., assignor to The National Cash Register Company, Dayton, Ohio. Indicating mechanism for cash-registers. No. 1,242,281; Oct. 9; v. 243; p. 298.
- Von Pein, Edward J., assignor to The National Cash Register Company, Dayton, Ohio. Cash-register. No. 1,244,005; Oct. 23; v. 243; p. 903.
- Von Phul, William, New Orleans, La. Warehouses and terminal. No. 1,247,040; Nov. 20; v. 244; p. 630.
- Von Rohl, Paul, assignor of one-third to P. Lasrich and one-third to E. Fruhner, New York, N. Y. Piano attachment for operating musical instruments. No. 1,233,148; July 10; v. 240; p. 565.
- Von Schlegell, Victor, New York, N. Y., assignor to Hale and Kilburn Company, Philadelphia, Pa. Car construction. No. 1,226,035; May 15; v. 238; p. 755.
- Von Schlegell, Victor, New York, N. Y., assignor to Hale and Kilburn Company, Philadelphia, Pa. Window-frame. No. 1,249,693; Dec. 11; v. 245; p. 396.
- Von Sick, William M., Los Angeles, Cal., assignor of one-half to D. M. Critchley. Pressure indicator and regulator. No. 1,225,084; May 8; v. 238; p. 390.
- Von Stetten, Julius O., St. Louis, Mo. Garment-former. No. 1,221,394; Apr. 3; v. 237; p. 138.
- Von Stetten, Julius O., St. Louis, Mo. Garment-former. No. 1,221,395; Apr. 3; v. 237; p. 138.
- Von Stetten, Julius O., Philadelphia, Pa., assignor to Philadelphia Metal Drying Form Company, Wilmington, Del. Garment-former. (Reissue.) No. 1,4374; Oct. 9; v. 243; p. 496.
- Von Todenwarth, Walter W., Rahway, N. J. Controlling-valve for acetylene cutting and welding torches. No. 1,222,164; Apr. 10; v. 237; p. 438.
- Von Uffel, Herman, Philadelphia, Pa. Vegetable and mineral fiber felt. No. 1,237,000; Aug. 14; v. 241; p. 507.
- Von Unruh, Henry W., Cincinnati, Ohio. Sheet-holder. No. 1,230,242; June 19; v. 239; p. 712.
- Von Vargyas, Eugene, Washington, D. C., assignor, by mesne assignments, to J. G. Keener and E. R. Shupe, trustees. Rubber compound. No. 1,246,192; Nov. 13; v. 244; p. 344.
- Von Wolffradt, William, deceased, Cleveland, Ohio; W. E. Patterson, executor. Vibratory contact-lubricator. No. 1,241,174; Sept. 25; v. 242; p. 871.
- Von Wolforsdorf, Hans, Indianapolis, Ind. Meat-cutting knife. No. 1,239,237; Sept. 4; v. 242; p. 166.
- Von Wolforsdorf, Hans, Indianapolis, Ind. Feeder for grinding-machines. No. 1,246,193; Nov. 13; v. 244; p. 344.
- Vondrashek, Cyril, La Crosse, Wis. Electric-lamp guard. No. 1,241,172; Sept. 25; v. 242; p. 870.
- Voneiff, Henry, Baltimore, Md. Top plate for gas-stoves. No. 1,245,408; Nov. 6; v. 244; p. 80.
- Vonnegut Hardware Company. (See Frinzier, Carl J., assignor.)
- Vontobel, Friedrich O., New York, N. Y. Package-handle. No. 1,247,910; Nov. 27; v. 244; p. 915.
- Voorhees, Raymond R. (See Scott, Zachariah T., assignor.)

- Voorhorst, Clarence J., Portland, Oreg. Division-plate for egg-cases. No. 1,227,224; May 22; v. 238; p. 1195.
- Vorce, Albert F., Grand Rapids, assignor of one-third to W. H. Stansberry and one-third to E. H. Witherell, Grand Haven, Mich. Machine for making crochet-needles. No. 1,239,851; Sept. 11; v. 242; p. 390.
- Vorderwinkler, Wilhelm, Brooklyn, N. Y. Clutch device. No. 1,223,646; Apr. 24; v. 237; p. 1027.
- Vore, Arthur R., Carraway, Fla. Shaving-brush. No. 1,220,033; Mar. 20; v. 236; p. 812.
- Vories, Louis H., New York, N. Y. Golf-club. No. 1,219,417; Mar. 13; v. 236; p. 568.
- Vorraber, Josef, Munich-Trudering, Germany. Ball-grinding machine. No. 1,231,818; July 3; v. 240; p. 96.
- Vorraber, Josef, Munich-Trudering, Germany. Clamping device for ball-bearings. No. 1,251,449; Dec. 25; v. 245; p. 1003.
- Vose, John R., Ashland, and W. J. Owens, Catlettsburg, Ky. Apparatus for cleaning motion-picture films. No. 1,218,137; Mar. 6; v. 236; p. 87.
- Vose, Louis E. (See Glaser, Alois, assignor.)
- Voss, Albert H., Davenport, Iowa. Truck-frame and bolster. No. 1,240,270; Sept. 18; v. 242; p. 557.
- Voss, Carl W., Minneapolis, Minn. Silo-door hinge. No. 1,215,593; Feb. 13; v. 235; p. 426.
- Voss, Edward F., Walworth, Wis. Combination manicuring implement. No. 1,212,589; Jan. 16; v. 234; p. 829.
- Voss, Frank S., New York, N. Y. Belt-fastener. No. 1,246,194; Nov. 13; v. 244; p. 344.
- Voss, Otto C., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Casing for electrical apparatus. No. 1,249,694; Dec. 11; v. 245; p. 396.
- Voss, W. L., et al. (See Kovacs, Alexander, assignor.)
- Voss, William H., Davenport, Iowa. Washing-machine. No. 1,222,050; Apr. 10; v. 237; p. 397.
- Voss, William H., Davenport, Iowa. Washing-machine gearing. No. 1,225,896; May 15; v. 238; p. 707.
- Voss, William H., Davenport, Iowa. Washing-machine. No. 1,229,686; June 12; v. 239; p. 492.
- Voss, William H., Davenport, Iowa. Gearing for washing-machines. No. 1,229,687; June 12; v. 239; p. 493.
- Voss, William H., Davenport, Iowa. Washing-machine gearing. No. 1,230,542; June 19; v. 239; p. 811.
- Voss, William H., Davenport, Iowa. Washing-machine. No. 1,245,409; Nov. 6; v. 244; p. 80.
- Vosseler, William F., Cincinnati, Ohio. Beer-cooler. No. 1,218,724; Mar. 13; v. 236; p. 327.
- Votey, Edwin S. (See Tremaine and Votey.)
- Vought, Preston A., et al. (See Snyder, Charles P., assignor.)
- Vrana, Theodore W., Newark, N. J. Pedal-gate for pianos. No. 1,226,284; May 15; v. 238; p. 845.
- Vredenburg, Charles E., Mechanicsville, N. Y., and T. Lacey, Quincy, Mass. Brick-kiln and operating the same. No. 1,224,243; May 1; v. 238; p. 46.
- Vredenburg, Peter, Jr. (See Coleman, Thomas A., assignor.)
- Vredenburg, Peter, Jr. (See Morris, Thomas C., assignor.)
- Vreeland Apparatus Company. (See Vreeland, Frederick K., assignor.)
- Vreeland, Frederick K., Montclair, N. J., assignor to Vreeland Apparatus Company, Inc., New York, N. Y. Multiplex-telegraphy. No. 1,224,342; May 1; v. 238; p. 82.
- Vreeland, Frederick K., Montclair, N. J., assignor to Vreeland Apparatus Company, Inc., New York, N. Y. Receiver of electrical impulses. No. 1,239,852; Sept. 11; v. 242; p. 391.
- Vreeland, Frederick K., Montclair, N. J., assignor to Vreeland Apparatus Company, Inc., New York, N. Y. Transmitting and receiving high-frequency signal impulses. No. 1,245,166; Nov. 6; v. 244; p. 7.
- Vrooman, George A., Irvington, N. Y. Foot-support. No. 1,215,891; Feb. 13; v. 235; p. 531.
- Vrooman, Harry S., Chicago, Ill. Internal-combustion engine. No. 1,214,097; Jan. 30; v. 234; p. 1414.
- Vuilleumier, Rudolph, New Rochelle, N. Y., assignor to The Safety Car Heating & Lighting Company. Welding-torch. No. 1,214,727; Feb. 6; v. 235; p. 87.
- Vuilleumier, Rudolph, New Rochelle, N. Y., assignor to Safety Car Heating & Lighting Company. Safety-vent for fluid-containers. No. 1,248,578; Dec. 4; v. 245; p. 45.
- Vulcan Last Company. (See Clausen, George, assignor.)
- Vulcan Machinery and Reduction Co. (See Hullinger, Ashton and B., assignors.)
- Vulcan Plow Company, The. (See Berryhill, Hand, and Thomas, assignors.)
- Vulcan Plow Company, The. (See Hand, Frederick E., assignor.)
- Vulcan Soot Cleaner Co., of Pittsburg, Pa., The. (See Linaker, Frederick W., assignor.)
- Vulcan Valve Company. (See Crews, Thomas B., Jr., assignor.)
- Vulcan Valve Company. (See Keppel, Jesse E., assignor.)
- Vuono, Giuseppe P., New York, N. Y. Silk-finishing machine. No. 1,212,854; Jan. 16; v. 234; p. 922.
- W. Beckers Anilin & Chemical Works. (See Beckers and Dreyfus, assignors.)
- W. B. Armstrong Co. (See Murphy, Edward J., assignor.)
- W. B. Mershon & Co. (See Rhinevault, Glenn G., assignor.)
- W. C. Ritchie & Company. (See Milmo, Michael J., assignor.)
- W. D. Allen Manufacturing Company. (See Gibbs, Henry, assignor.)
- W. D. Young & Co. (See Bigelow and Chapin, assignors.)
- W. & E. T. Fitch Co., The. (See Nettleton, George R., assignor.)
- W. F. Powers Company, The. (See Cadmus, Arthur W., assignor.)
- W. G. Clark & Company. (See Clark, Edward F., assignor.)
- W. H. Bundy Recording Company. (See Bundy, Willard H., assignor.)
- W. H. Coe Manufacturing Company. (See Swallow, Stuart H., assignor.)
- W. H. McElwain Company. (See Murphy, McKeever, and Peters, assignors.)
- W. H. McElwain Company. (See Rollins, George L., assignor.)
- W. K. Jahn Co., The. (See Steerup, Petrarch A. G., assignor.)
- W. & L. E. Gurley. (See Hess, Wendell, Jr., assignor.)
- W. N. Matthews and Brother. (See Matthews, Claude L., assignor.)
- W. O. Hickok Manufacturing Company, The. (See Broadmeyer, Albert, assignor.)
- W. R. Ostrander & Company. (See Brockett, Charles W., assignor.)
- W. S. Rockwell Company. (See Rockwell, Walter S., assignor.)
- W. S. Tyler Company, The. (See Bell, Willard J., assignor.)
- W. S. Tyler Company, The. (See Curtis, Frederick S., assignor.)
- W. S. Tyler Company, The. (See Davis, John B., assignor.)
- W. S. Tyler Company, The. (See Reynolds, Morley P., assignor.)
- W. & T. Avery. (See Brown, Alfred W., assignor.)
- Wabel, Charles D., Henry, Ill. Car-step. No. 1,212,716; Jan. 16; v. 234; p. 876.
- Wacha, John C., Providence, R. I., assignor to G. H. Cahoone Company. Safety-catch. No. 1,228,994; June 5; v. 239; p. 209.
- Wachenheimer Bros. (See Lyckland, Arthur M., assignor.)
- Wachenheimer Bros. (See Wachenheimer and Davis, assignors.)
- Wachenheimer, Harry, and E. L. Davis, Cranston, assignors to Wachenheimer Bros., Providence, R. I. Chain. No. 1,219,683; Mar. 20; v. 236; p. 691.
- Wachs, Murray A., New York, N. Y. Ice-skate. No. 1,212,855; Jan. 16; v. 234; p. 922.
- Wachs, Walter, and R. L. Gallup, Chicago, Ill. Bottle-washing machine. No. 1,213,307; Jan. 23; v. 234; p. 1113.
- Wachs, Walter, and R. L. Gallup, Chicago, Ill. Bottle-conveyer. No. 1,213,308; Jan. 23; v. 234; p. 1114.
- Wachtel, Charles, Jamaica, N. Y. Pocket flash-light. No. 1,226,727; May 22; v. 238; p. 1025.
- Wachtel, Charles, Jamaica, N. Y. Pocket flash-light. No. 1,226,728; May 22; v. 238; p. 1025.
- Wachter, Charles L., assignor to Lidgerwood Manufacturing Company, New York, N. Y. Button-stop for cables. No. 1,218,138; Mar. 6; v. 236; p. 87.
- Wachter, Louis E. F., New York, N. Y. Waterproof watch-bag. No. 1,247,754; Nov. 27; v. 244; p. 870.
- Wachter, Louis E. F., New York, N. Y. Watchcase. No. 1,247,755; Nov. 27; v. 244; p. 871.
- Wachter, Louis E. F., New York, N. Y. Watch. No. 1,248,042; Nov. 27; v. 244; p. 950.
- Wacker, Charles H. (See Butler, Thomas M., assignor.)
- Wacker, Charles H. (See Wacker, Frederick G., assignor.)
- Wacker, Frederick G., assignor to C. H. Wacker, Chicago, Ill. Metallic receptacle and welding the same. No. 1,222,165; Apr. 10; v. 237; p. 438.
- Wacker, Frederick G., assignor to C. H. Wacker, Chicago, Ill. Shaping metal articles. No. 1,234,586; July 24; v. 240; p. 1103.
- Wacker, George W., Rutherford, N. J., assignor to Auto-Ped Company of America. Magneto. No. 1,224,244; May 1; v. 238; p. 46.
- Wacker, George W., Rutherford, N. J., assignor to Auto-Ped Company of America. Magneto. No. 1,224,245; May 1; v. 238; p. 46.
- Wacker, George W., Rutherford, N. J., assignor to Auto-Ped Company of America. High-tension coil. No. 1,224,246; May 1; v. 238; p. 47.
- Wacker, George W., Rutherford, N. J., assignor to Auto-Ped Company of America. Magneto. No. 1,224,247; May 1; v. 238; p. 47.
- Wacker, George W., Rutherford, N. J., assignor to National Carbon Company, New York, N. Y. Lamp-socket. No. 1,238,849; Sept. 4; v. 242; p. 41.
- Wacker, George W., Rutherford, N. J., assignor to National Carbon Company, New York, N. Y. Portable electric light. No. 1,238,850; Sept. 4; v. 242; p. 42.
- Waddell, Alexander, Dunfermline, Scotland. Manufacture of coal-gas. No. 1,249,864; Dec. 11; v. 245; p. 447.
- Waddell, Arthur L., Chicago, Ill. Edging-gage. No. 1,246,507; Nov. 13; v. 244; p. 439.
- Waddell, Clarence W., Dallas, Tex. Interlocking tile. No. 1,242,087; Oct. 2; v. 243; p. 196.

Alphabetical list of patentees—Continued.

- Waddell, Fred P., Maddock, N. D. Five-horse eveners. No. 1,214,728; Feb. 6; v. 235; p. 87.
- Waddell, James W., and G. C. Morrow, Clinton, Ark. Wagon-tongue support. No. 1,226,829; May 22; v. 238; p. 1060.
- Waddell, John M., Greenfield, Ohio. Bin. No. 1,246,364; Nov. 13; v. 244; p. 396.
- Waddell, John M., Greenfield, Ohio. Show-case. No. 1,246,365; Nov. 13; v. 244; p. 397.
- Wadden, Thomas H., Keokuk, Iowa. Vehicle display device. No. 1,214,621; Feb. 6; v. 235; p. 49.
- Waddington, E. C. (See Lindsey, Clinton, assignor.)
- Wade, David K. (See Marriott and Wade.)
- Wade, Edwin T., assignor of one-third to A. C. Jones, Jackson, Miss. Rail tie and fastener. No. 1,239,750; Sept. 11; v. 242; p. 357.
- Wade, Frank E., assignor to Fairmont Gas Engine & Railway Motor Car Co., Fairmont, Minn. Water-cooling attachment for gas-engines. No. 1,250,055; Dec. 11; v. 245; p. 501.
- Wade, Harold F., Opportunity, Wash. Underscoring attachment for type-writers. No. 1,216,189; Feb. 13; v. 235; p. 639.
- Wade, Harry L., Bigheart, Okla. Traction-engine. No. 1,232,629; July 10; v. 240; p. 394.
- Wade, J. H., et al. (See Bretz, George W., assignor.)
- Wade, Samuel O., Chicago, Ill. Needle-cutter. No. 1,212,292; Jan. 16; v. 234; p. 725.
- Wade, Thomas G., Beard, N. C. Churn-dasher. No. 1,234,513; July 24; v. 240; p. 1080.
- Wadhams, Abner H., Torrington, Conn., assignor to Schroeder Brothers Manufacturing Company. Nose-protector. No. 1,221,778; Apr. 3; v. 237; p. 269.
- Wadhams, Darius T., assignor to N. Gray, Jr., Oswego, N. Y. Paper-cutting machine. No. 1,236,508; Aug. 14; v. 241; p. 346.
- Wadleigh, William M., Chicago, Ill. Attachable grain-elevating guard. No. 1,250,251; Dec. 18; v. 245; p. 599.
- Wadman, Sydney, Boston, Mass., assignor to The Animated Advertising Company. Advertising apparatus. No. 1,230,348; June 19; v. 239; p. 747.
- Wadsworth, Arthur V., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Bucket-cleaning means for excavating-wheels. No. 1,244,006; Oct. 23; v. 243; p. 903.
- Wadsworth, Frank L. O., Pittsburgh, Pa. Water-heater construction. No. 1,243,017; Oct. 16; v. 243; p. 568.
- Wadsworth, Frank L. O., Pittsburgh, Pa. Water-heater construction. No. 1,248,579; Dec. 4; v. 245; p. 45.
- Wadsworth, Frank L. O., Sewickley, Pa. Water-heater construction. No. 1,248,958; Dec. 4; v. 245; p. 155.
- Wadsworth, Frank L. O., Pittsburgh, assignor to The Spirella Company, Inc., Meadville, Pa. Garment-stay. No. 1,212,856; Jan. 16; v. 234; p. 922.
- Wadsworth, Frank L. O., Pittsburgh, Pa., assignor to The Spirella Company. Machine for making garment-stays. No. 1,212,857; Jan. 16; v. 234; p. 923.
- Wadsworth, Frank L. O., Pittsburgh, assignor to The Spirella Company, Meadville, Pa. Machine for making garment-stays. No. 1,250,252; Dec. 18; v. 245; p. 599.
- Wadsworth, Frank L. O., Pittsburgh, assignor to The Spirella Company, Meadville, Pa. Making garment-stays. No. 1,250,253; Dec. 18; v. 245; p. 599.
- Wadsworth, Frank L. O., Pittsburgh, Pa., assignor to Ball Brothers Glass Manufacturing Company, Muncie, Ind. Apparatus for cutting plastic glass and similar substances. No. 1,241,790; Oct. 2; v. 243; p. 102.
- Wadsworth, Frank L. O., Pittsburgh, assignor to Enamelled Metals Company, Sharpsburg, Pa. Conduit for electric wires. No. 1,247,756; Nov. 27; v. 244; p. 871.
- Wadsworth, Frank L. O., Sewickley, assignor of one-half to H. F. Gilg, Pittsburgh, Pa. Draft-gearing. No. 1,222,582; Apr. 10; v. 237; p. 587.
- Wadsworth, George R., assignor to The Peerless Motor Car Company, Cleveland, Ohio. Lubricating system. No. 1,214,850; Feb. 6; v. 235; p. 126.
- Wadsworth, Wilson, Hewins, Kans. Railway-tie. No. 1,229,832; June 12; v. 239; p. 541.
- Wael, Henri, administrator. (See Montbarbon and Chédrin.)
- Waern, Adolph W., assignor to International Process Company, New York, N. Y. Evaporator. No. 1,228,855; June 5; v. 239; p. 165.
- Waern, Bror A. de, Lysekil, Sweden. Reversible internal-combustion engine. No. 1,233,323; July 17; v. 240; p. 656.
- Wafer, William H., Austin, Ill. Detachable coupling for pipe-unions. No. 1,232,129; July 3; v. 240; p. 201.
- Wafer, William H., and J. Murrin, Chicago, Ill. Gage or try-cock. No. 1,223,749; Apr. 24; v. 237; p. 1065.
- Waffenfabrik Mauser Aktiengesellschaft. (See Mauser, Paul, assignor.)
- Wagandt, Charles L., Baltimore, Md., assignor to The National Enameling & Stamping Company, New York, N. Y. Bail-ear for oil-cans. No. 1,225,725; May 8; v. 238; p. 607.
- Wagatha, George A., New Orleans, La. Pulverizer. No. 1,223,840; Apr. 24; v. 237; p. 1096.
- Wagemaker, Isaac, Grand Rapids, Mich. Machine for cutting, printing, and stacking index-cards and the like. No. 1,245,645; Nov. 6; v. 244; p. 153.
- Wagner, Robert N., Canton, Ohio. Water-heater. No. 1,244,924; Oct. 30; v. 243; p. 1218.
- Wagenhorst, James H., Akron, Ohio. Means for expanding and contracting demountable rims. No. 1,230,543; June 19; v. 239; p. 811.
- Wagenhorst, James H., Akron, Ohio. Vehicle-wheel rim. No. 1,231,538; June 26; v. 239; p. 1181.
- Wagenhorst, James H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Wheel and making the same. No. 1,234,428; July 24; v. 240; p. 1053.
- Wagenhorst, James H., Akron, Ohio, assignor, by mesne assignments, of two-fifths to The B. F. Goodrich Company, New York, N. Y., one-fifth to The Goodyear Tire & Rubber Company, Akron, Ohio, and one-fifth to The United States Tire Company, New York, N. Y. Vehicle-wheel rim. No. 1,231,314; June 26; v. 239; p. 1108.
- Wagenhorst, James H., Akron, Ohio, assignor, by mesne assignments, of two-fifths to The B. F. Goodrich Company, New York, N. Y., one-fifth to The Goodyear Tire & Rubber Company, Akron, Ohio, and one-fifth to The United States Tire Company, New York, N. Y. Vehicle-wheel rim. No. 1,231,539; June 26; v. 239; p. 1181.
- Wagenhorst, James H., Akron, Ohio, assignor of one-fifth to The Goodyear Tire & Rubber Company, one-fifth to The United States Tire Company, and two-fifths to The B. F. Goodrich Company. Vehicle-wheel rim. No. 1,233,283; July 10; v. 240; p. 606.
- Wager, William F., assignor of one-half to F. L. May, Dayton, Ohio. Direction-indicator for automobiles. No. 1,234,831; July 31; v. 240; p. 1211.
- Wagg, James B., administrator. (See Wagg, Solomon R.)
- Wagg, Solomon R., deceased, Appleton, Wis.; J. B. Wagg, administrator. Smoothing device for wet paper webs. No. 1,211,259; Jan. 2; v. 234; p. 304.
- Waggaman, William H. H. Bryan, and C. R. Wagner, Washington, D. C. Apparatus for the manufacture of phosphoric acid and compounds of the same. No. 1,241,791; Oct. 2; v. 243; p. 102.
- Waggoner, Chauncey W., assignor to W. A. Jones, Morgantown, W. Va. Headlight-lens. No. 1,245,836; Nov. 6; v. 244; p. 211.
- Waggoner, Frank H., assignor to Commercial Colortype Company, Chicago, Ill. Fan. No. 1,231,104; June 26; v. 239; p. 1040.
- Waggoner, Frank H., assignor to Commercial Colortype Company, Chicago, Ill. Folding fan. No. 1,231,105; June 26; v. 239; p. 1040.
- Waggoner, James W., Mountain View, Okla. Rail-joint. No. 1,219,057; Mar. 13; v. 236; p. 445.
- Waggoner, William H., Jeanerette, La. Filter. No. 1,218,915; Mar. 13; v. 236; p. 397.
- Wagner, Albert F. (See Benedict, Henry I., assignor.)
- Wagner, Alva E., Des Moines, Iowa. Door-latch. No. 1,227,709; May 29; v. 238; p. 1385.
- Wagner, August, Buffalo, Minn. Valve-grinding tool. No. 1,223,225; Apr. 17; v. 237; p. 847.
- Wagner, August L. (See Wilson and Wagner.)
- Wagner, Carl A., Danville, Ky., assignor of one-fourth to H. C. Senke, Geneseo, one-fourth to H. F. and M. Senke, and one-fourth to A. and E. Senke, Rochester, N. Y. Turning. No. 1,236,633; Aug. 14; v. 241; p. 387.
- Wagner, Cary R. (See Waggaman, Bryan, and Wagner.)
- Wagner, Charles F. (See Nichols, Robert M., assignor.)
- Wagner, Chester I., Akron, Ohio. Vertical file. No. 1,229,552; June 12; v. 229; p. 447.
- Wagner, Clinton D., Cedar Rapids, Iowa. Sheet-metal shears. No. 1,241,313; Sept. 25; v. 242; p. 917.
- Wagner, David G., New York, N. Y. Sheet-folder. No. 1,222,338; Apr. 10; v. 237; p. 499.
- Wagner, Edward, assignor to P. Lehmann, St. Louis, Mo. Combination lock for motor-vehicles. No. 1,233,825; July 17; v. 240; p. 820.
- Wagner, Edward R., Milwaukee, assignor to E. R. Wagner Manufacturing Company, North Milwaukee, Wis. Baby-carriage. No. 1,221,396; Apr. 3; v. 237; p. 139.
- Wagner, Edwin, Mollala, Oreg. Equalizer. No. 1,239,988; Sept. 11; v. 242; p. 433.
- Wagner Electric Manufacturing Company. (See Dick, Burns, assignor.)
- Wagner Electric Manufacturing Company. (See Fynn, Valère A., assignor.)
- Wagner Electric Manufacturing Company. (See Weichsel, Hans, assignor.)
- Wagner, Emanuel, New York, N. Y. Oil-fotation concentration process. No. 1,235,083; July 31; v. 240; p. 1291.
- Wagner, Forrest L., Buchanan, Iowa. Brake for plows. No. 1,224,101; Apr. 24; v. 237; p. 1184.
- Wagner, Francis A., Dayton, Ohio. Structural toy. No. 1,242,892; Oct. 9; v. 243; p. 493.
- Wagner, Frank G. (See Schroeder, Herman D., assignor.)
- Wagner, Frank G., Los Angeles, Cal. Folding square. No. 1,245,539; Nov. 6; v. 244; p. 120.
- Wagner, George E., assignor to Keystone Driller Co., Beaver Falls, Pa. Excavating-machine. No. 1,225,537; May 8; v. 238; p. 543.
- Wagner, Hubert, Gauting, near Munich, Germany. Power-driven tool. No. 1,215,439; Feb. 13; v. 235; p. 367.
- Wagner, John, Howe, assignor of three-fourths to M. Krauleides, Taber, Idaho. Lacing-hook. No. 1,240,271; Sept. 18; v. 242; p. 558.
- Wagner, Joseph, Jr., et al. (See Rubenstein, Harry, assignor.)

- Wagner, Mathias, Kokomo, Ind., assignor of thirty one-hundredths to F. F. Hunt. Fan attachment for rocking-chairs. No. 1,210,569; Jan. 2; v. 234; p. 67.
- Wagner, Michael, assignor, by mesne assignments, to Newman Brothers, Incorporated, Pittsburgh, Pa. Grinding-machine. No. 1,214,098; Jan. 30; v. 234; p. 1414.
- Wagner, Orlando S., Franklin, Ind. Automatic stock-watering device. No. 1,245,072; Oct. 30; v. 243; p. 1263.
- Wagner, Paul, Saco, Mont. Jack. No. 1,229,833; June 12; v. 239; p. 541.
- Wagner, Peter, Elyria, Ohio. Attachment for cooking utensils. No. 1,217,373; Feb. 27; v. 235; p. 1143.
- Wagner, Reinhart V., assignor to The Wagner Tyre Company, Limited, London, England. Resilient tire. No. 1,249,695; Dec. 11; v. 245; p. 397.
- Wagner Tyre Company, The. (See Wagner, Reinhart V., assignor.)
- Wagner, Warren, Strawn, Tex. Casing-spear. No. 1,243,904; Oct. 23; v. 243; p. 873.
- Wagner, William F., assignor of one-half to J. W. Edmonds, Ambridge, Pa. Liquid-dispenser. No. 1,249,565; Dec. 11; v. 245; p. 359.
- Wagner, William G., assignor of one-third to B. Cohen and one-third to H. Cohen, New York, N. Y. Tire-armor. No. 1,241,792; Oct. 2; v. 243; p. 103.
- Wagner, William H., assignor of one-half to O. Rittmann, Burlington, Wis. Machine for fumigating or disinfecting books or the like. No. 1,248,211; Nov. 27; v. 244; p. 991.
- Wagreich, Sigmund. (See Bragman and Wagreich.)
- Wagschal, Louis. (See Munden, Daniel W., assignor.)
- Wagstaff, Alfred, Jr., New York, N. Y. Radiator-shield for automobiles. No. 1,239,144; Sept. 4; v. 242; p. 137.
- Wahl Adding Machine Company. (See Wahl, John C., assignor.)
- Wahl, Arnold S. (See Wahl, Robert and A. S.)
- Wahl, Arnold S., assignor to The Wahl Efficiency Institute, Chicago, Ill. Bread manufacture. No. 1,242,396; Oct. 9; v. 243; p. 335.
- Wahl Efficiency Institute, The. (See Wahl, Arnold S., assignor.)
- Wahl, Eugene J., St. Paul, assignor to The Concrete Stave Silo Company, Minneapolis, Minn. Silo-door hanger. No. 1,221,492; Apr. 3; v. 237; p. 172.
- Wahl, John, Alpena, S. D. Grease-retainer. No. 1,223,453; Apr. 24; v. 237; p. 957.
- Wahl, John, assignor to A. Schrader's Son, Inc., Brooklyn, N. Y. Pump-coupling. No. 1,244,925; Oct. 30; v. 243; p. 1219.
- Wahl, John C., Chicago, Ill., assignor, by mesne assignments, to Wahl Adding Machine Company, Wilmington, Del. Calculating-machine. No. 1,242,282; Oct. 9; v. 243; p. 298.
- Wahl, Robert, Chicago, Ill. Maltless non-alcoholic beverage and producing the same. No. 1,249,259; Dec. 4; v. 245; p. 240.
- Wahl, Robert and A. S., Chicago, Ill. Bread-making. No. 1,247,349; Nov. 20; v. 244; p. 720.
- Wahlberg, Eric J., assignor to Atlas Tank Manufacturing Company, Fort Bragg, Cal. Mounting for silo-doors. No. 1,221,779; Apr. 3; v. 237; p. 269.
- Wahle, Adolph, Davenport, Iowa. Rotary pump. No. 1,228,267; May 29; v. 238; p. 1570.
- Wahle, Jacob J., Minden, Nev. Scraper. No. 1,235,617; Aug. 7; v. 241; p. 30.
- Wahlen, Gustavus A. N., St. Johnsbury, Vt. Scale-check. No. 1,225,085; May 8; v. 238; p. 391.
- Wahlström, Einar. (See Schaanning, Peder C., assignor.)
- Wahlstrom Tool Company. (See Bronander, Bertil W., assignor.)
- Wahlstrom Tool Company. (See Halstead, John F., assignor.)
- Waide, William N. (See Johnson and Waide.)
- Waidele, John. (See Johnson, Christian A., assignor.)
- Waigand, Benjamin. (See Waigand, Edward and B.)
- Waigand, Edward, Nampa, Idaho. Tobacco-pipe. No. 1,212,590; Jan. 16; v. 234; p. 829.
- Waigand, Edward and B., Nampa, Idaho. Automatic cut-out switch. No. 1,247,041; Nov. 20; v. 244; p. 631.
- Wain, William C., North Sydney, New South Wales, Australia. Chlorate explosive of the Sprengel class. No. 1,240,272; Sept. 18; v. 242; p. 558.
- Wainola, Matti, New York, N. Y. Tool. No. 1,237,126; Aug. 14; v. 241; p. 548.
- Wainright, Robert E. (See Kroegel, Charles, assignor.)
- Wainwright, Charles, Erie, Pa. Plate-valve. No. 1,214,396; Jan. 30; v. 234; p. 1519.
- Wainwright, John E. (See Squires, Arthur C., assignor.)
- Wait, Alfred H., Lincoln, Kans. Garment. No. 1,239,989; Sept. 11; v. 242; p. 433.
- Wait, William, Jr., Peekskill, N. Y. Range-finder for use upon aerial vehicles or machines. No. 1,238,967; Sept. 4; v. 242; p. 79.
- Waite, Arthur J., Binghamton, N. Y., assignor to United Shoe Machinery Company, Paterson, N. J. Making shoes. No. 1,215,440; Feb. 13; v. 235; p. 368.
- Waite, Charles N., deceased, Wilmington, Del., by C. B. Magoun, administratrix, West Vancouver, Canada, and J. E. Hedin, Philadelphia, Pa., assignors of one-third to W. H. Sharp, Philadelphia, Pa. Manufacture of cellulose. No. 1,212,158; Jan. 9; v. 234; p. 647.
- Waite, Charles N., and J. E. Hedin, Wilmington, Del., assignors of one-third to W. H. Sharp, Philadelphia, Pa. Manufacture of chemical sulfate pulp. No. 1,249,287; Dec. 4; v. 245; p. 249.
- Waite, Edwin E., assignor of one-half to Standard Woven Fabric Company, Framingham, Mass. Fabric. No. 1,243,905; Oct. 23; v. 243; p. 874.
- Waite, Guy B., New York, N. Y. Concrete-reinforcement. No. 1,239,649; Sept. 11; v. 242; p. 324.
- Waite, Guy B., New York, N. Y. Hollow metal tile for reinforced concrete floors. No. 1,241,793; Oct. 2; v. 243; p. 103.
- Waite, Guy B., New York, N. Y. Hollow metal tile for reinforced-concrete floors. No. 1,250,254; Dec. 18; v. 245; p. 599.
- Waite, Harry C., assignor to Waite Tractor Company, Chicago, Ill. Gearing for motor-vehicles. No. 1,210,874; Jan. 2; v. 234; p. 170.
- Waite, Harry C., Chicago, Ill., assignor, by mesne assignments, to Elgin Tractor Corporation, Tractor. No. 1,235,400; July 31; v. 240; p. 1385.
- Waite, Harry C., Chicago, assignor to Elgin Tractor Corporation, Elgin, Ill. Removable rim for tractor-wheels. No. 1,235,401; July 31; v. 240; p. 1385.
- Waite, Harry C., Chicago, Ill., assignor, by mesne assignments, to Elgin Tractor Corporation, Vehicle construction. No. 1,249,696; Dec. 11; v. 245; p. 397.
- Waite, Harry F., Whitestone Landing, N. Y. Dental film-holder. No. 1,229,553; June 12; v. 239; p. 448.
- Waite, Harry F., Whitestone Landing, N. Y. Time-controlled switch for X-ray and other machines. No. 1,235,261; July 31; v. 240; p. 1344.
- Waite, Harry F., Whitestone Landing, N. Y. Time-switch for X-ray and other machines. No. 1,250,729; Dec. 18; v. 245; p. 741.
- Waite, Harry F., New York, N. Y. X-ray system. No. 1,246,508; Nov. 13; v. 244; p. 439.
- Waite, Harry F., New York, N. Y. X-ray system. No. 1,250,731; Dec. 18; v. 245; p. 742.
- Waite, Lyman M. (See Hogan and Waite.)
- Waite, Lyman M., assignor to Fitchburg Machine Works, Fitchburg, Mass. Stock-feeding mechanism. No. 1,231,315; June 26; v. 239; p. 1108.
- Waite Tractor Company. (See Waite, Harry C., assignor.)
- Waite, William H., assignor to The Browning Company, Cleveland, Ohio. Clutch. No. 1,226,036; May 15; v. 238; p. 756.
- Waitt, Arthur M., Sharon, Conn., and W. H. Waitt, New York, N. Y., assignors to Camel Company, Chicago, Ill. Car-door. No. 1,247,350; Nov. 20; v. 244; p. 720.
- Waitt, Weymer H. (See Waitt, Arthur M. and W. H.)
- Waitz, Charles A., Rouseville, Pa. Air system for forcing liquids. No. 1,221,637; Apr. 3; v. 237; p. 220.
- Wajda, Floryjan, assignor of one-half to F. Pawlaczyk, Hammond, Ind. Railway-tie and fastener. No. 1,249,865; Dec. 11; v. 245; p. 447.
- Wajdlic, Petar, Steelton, Pa. Machine for sewing leather articles. No. 1,219,684; Mar. 20; v. 236; p. 691.
- Wakefield, Albert A., assignor, by mesne assignments, to G & W Electric Specialty Co., Chicago, Ill. Cable-box. No. 1,223,750; Apr. 24; v. 237; p. 1065.
- Wakefield, Edward E., assignor to Halkyard Manufacturing Company, Providence, R. I. Lacing-stud-setting machine. No. 1,234,982; July 31; v. 240; p. 1260.
- Wakefield, Frederick W., assignor to The F. W. Wakefield Brass Company, Vermilion, Ohio. Signal-lamp. No. 1,231,677; July 3; v. 240; p. 48.
- Wakefield, Thomas, assignor to H. C. Cline, Fillmore, N. Y. Bridge-wall for furnaces. No. 1,250,732; Dec. 18; v. 245; p. 742.
- Wakeman, Ralph E., Kents Hill, Me. Cultivator attachment. No. 1,230,243; June 19; v. 239; p. 712.
- Walbon, Alfred. (See Christensen, Frederick, assignor.)
- Wald, George, U. S. Army. Phototelegraphic machine. No. 1,221,780; Apr. 3; v. 237; p. 270.
- Wald, Samuel. (See Kempler, Benjamin, assignor.)
- Waldeck, J. A., et al. (See Megathlin, Jesse L., assignor.)
- Waldeck, Louis E., Jersey City, N. J. Display-box. No. 1,236,509; Aug. 14; v. 241; p. 347.
- Walden, Frederick E., Worcester, Mass., assignor to Boston Wrench Co. Bottle-cap. No. 1,250,534; Dec. 18; v. 245; p. 683.
- Walden, Henry W., New York, N. Y. Electric sign. No. 1,234,514; July 24; v. 240; p. 1080.
- Walden, Henry W., New York, N. Y. Antiskid device. No. 1,248,212; Nov. 27; v. 244; p. 999.
- Walden, Lester M., Chicago, Ill., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Perforating-machine for record-strips. No. 1,236,891; Aug. 14; v. 241; p. 471.
- Walden, Marcus A., assignor of one-half to D. M. Brunkhorst, San Francisco, Cal. Pencil-holder. No. 1,227,099; May 22; v. 238; p. 1153.
- Walding, William L., Milford, La. Indicator device for sawmills. No. 1,226,037; May 15; v. 238; p. 756.
- Waldman, Herman C., St. Louis, Mo. Fire-door. No. 1,249,566; Dec. 11; v. 245; p. 359.
- Waldman, Joseph. (See Fisch and Waldman.)
- Waldman, Ralph A., San Francisco, Cal. Milk-bottle case. No. 1,220,301; Mar. 27; v. 236; p. 946.
- Waldmeyer, Emile, Gulfport, Miss. Air-regulator for engine-manifolds. No. 1,219,202; Mar. 13; v. 236; p. 494.

- Waldmeier, Emile, Gulfport, Miss. Automatic atomizer for internal-combustion engines. No. 1,227,225; May 22; v. 238; p. 1195.
- Waldner, Elmer F., Eureka, assignor to A. Hanson, San Francisco, Cal. Window-shade. No. 1,238,464; Aug. 28; v. 241; p. 1048.
- Waldo, Leonard, Plainfield, N. J., assignor to Palo Company, New York, N. Y. Apparatus for measuring the hardness of metal, &c. No. 1,228,503; June 5; v. 239; p. 44.
- Waldon, Sidney D., assignor to Packard Motor Car Company, Detroit, Mich. Carbureter. No. 1,220,478; Mar. 27; v. 236; p. 1009.
- Waldon, Sidney D., assignor to Packard Motor Car Company, Detroit, Mich. Motor-vehicle driving-axle. No. 1,228,504; June 5; v. 239; p. 44.
- Waldron, Carl A., trustee. (See Freese, Herman W., assignor.)
- Waldron, Edwin, Schenectady, N. Y. Trolley-car. No. 1,214,099; Jan. 30; v. 234; p. 1415.
- Waldron, Ronayne M., 2d, Washington, D. C. Automobile cone-clutch brake. No. 1,215,750; Feb. 13; v. 235; p. 481.
- Waldron, William H., New Brunswick, N. J. Block-printing machine. No. 1,251,144; Dec. 25; v. 245; p. 913.
- Wale, Alfred E., Colleshill, England. Tire. No. 1,227,348; May 22; v. 238; p. 1235.
- Wales, Charles, assignor to The White Adding Machine Company, New Haven, Conn. Printing mechanism. No. 1,232,738; July 10; v. 240; p. 432.
- Wales, Charles, assignor to The White Adding Machine Company, New Haven, Conn. Computing-machine. No. 1,232,739; July 10; v. 240; p. 432.
- Wales, Charles M., New York, assignor to The Metalco Company, Mount Vernon, N. Y. Metallic shingle. No. 1,236,510; Aug. 14; v. 241; p. 347.
- Wales, Emory A., Kansas City, Mo. Hydrocarbon-burner. No. 1,244,146; Oct. 23; v. 243; p. 944.
- Wales, Enid S., assignor of one-half to H. W. K. Pierce, Detroit, Mich. Explosive projectile. No. 1,222,051; Apr. 10; v. 237; p. 398.
- Wales, Enid S., assignor of one-half to H. K. Pierce, Detroit, Mich. Explosive projectile. No. 1,228,723; June 5; v. 239; p. 119.
- Wales, Nathaniel B., assignor to W. R. Pierce, Detroit, Mich. Closure and gage-support for liquid-containers. No. 1,237,426; Aug. 21; v. 241; p. 681.
- Wales, Rowland T., Seward, N. J. Mold for concrete walls and arches. No. 1,211,901; Jan. 9; v. 234; p. 559.
- Walger Awning Company. (See Staehelin, Emil, assignor.)
- Walger, Philip F., Chicago, Ill. Awning. No. 1,234,983; July 31; v. 240; p. 1260.
- Walger, William, Chicago, Ill. Awning. No. 1,230,244; June 19; v. 239; p. 712.
- Walger, William H., Jr., Chicago, Ill. Awning. No. 1,218,725; Mar. 13; v. 236; p. 327.
- Walker, Albert S., assignor to H. G. Trout Company, Buffalo, N. Y. Portable forge. No. 1,212,293; Jan. 16; v. 234; p. 726.
- Walker, Andrew, Somerville, assignor to M. N. Ross, Boston, Mass. Pocket-lining. No. 1,210,734; Jan. 2; v. 234; p. 123.
- Walker, Arthur L., Hoopston, Ill. Holder for whetstones. No. 1,223,127; Apr. 17; v. 237; p. 815.
- Walker, Arthur W., Malden, Mass. Gas-stove manifold. No. 1,232,870; July 10; v. 240; p. 475.
- Walker, Arthur W., Malden, assignor to Walker and Pratt Manufacturing Company, Boston, Mass. Gas-stove, (manifold.) No. 1,222,824; Apr. 17; v. 237; p. 711.
- Walker, Arthur W., Malden, assignor to Walker & Pratt Manufacturing Company, Boston, Mass. Cooking-stove. No. 1,223,647; Apr. 24; v. 237; p. 1028.
- Walker and Bennett Manufacturing Company. (See Bennett, Frederick, assignor.)
- Walker & Bennett Manufacturing Company. (See Walker, Sheridan A., assignor.)
- Walker, Cassius M., Pueblo, Colo., assignor to The Miller Electric Switch Company. Supporting-frame for electric switches. No. 1,247,042; Nov. 20; v. 244; p. 631.
- Walker, Charles B., Solihull, England. Automatic electric generating plant. No. 1,217,670; Feb. 27; v. 235; p. 1250.
- Walker, Charles R. (See Wellington, James A., assignor.)
- Walker, Charles R., Waco, Tex. Curtain and shade bracket. No. 1,242,088; Oct. 2; v. 243; p. 196.
- Walker, Charles W., Stratford, Conn. Combined clothes pole and line. No. 1,228,081; May 29; v. 238; p. 1512.
- Walker, Clarence H., Burlingame, Cal. Attachment for levers. No. 1,249,260; Dec. 4; v. 245; p. 240.
- Walker, Clayton A., and E. A. Schneider, Fairhaven, Conn. Figure toy or amusement device. No. 1,216,632; Feb. 20; v. 235; p. 847.
- Walker, Clinton L., Piedmont, Cal. Pneumatic starting mechanism for automobiles. No. 1,250,733; Dec. 18; v. 245; p. 742.
- Walker, Curtis H., Chicago, Ill. Adjustable map-rack. No. 1,251,145; Dec. 25; v. 245; p. 914.
- Walker, Edward C., and A. S. Moses, assignors to G. M. Ilges, St. Louis, Mo. Metallurgical heating-furnace. No. 1,248,213; Nov. 27; v. 244; p. 999.
- Walker, Edwin, Erie, Pa. Turnbuckle. No. 1,226,830; May 22; v. 238; p. 1060.
- Walker, Frank E. (See Spencer and Walker.)
- Walker, Frank L. (See Sparks, Frank S., assignor.)
- Walker, Fred M., Detroit, Mich. Protective device for light-shades. No. 1,246,509; Nov. 13; v. 244; p. 439.
- Walker, Frederick G., Detroit, Mich. Universal joint. No. 1,221,638; Apr. 3; v. 237; p. 221.
- Walker, Frederick E., assignor to The Crittall Manufacturing Company, Limited, Manor Works, Braintree, England. Window. No. 1,216,753; Feb. 20; v. 235; p. 888.
- Walker, Frederick W., Milwaukee, Wis. Electrical bond for railways. No. 1,230,544; June 19; v. 239; p. 812.
- Walker, Gaines M., St. Louis, Mo. Knockdown shipping-box. No. 1,217,852; Feb. 27; v. 235; p. 1311.
- Walker, George, assignor to Landers, Frary & Clark, New Britain, Conn. Scale. No. 1,215,594; Feb. 13; v. 235; p. 426.
- Walker, George A., Oak Park, Ill. Cooking or processing apparatus. No. 1,238,225; Aug. 28; v. 241; p. 969.
- Walker, George C., Wayne, Mich. Float for concrete. No. 1,234,984; July 31; v. 240; p. 1261.
- Walker, George H., Worcester, assignor to Heenan & Froude, Limited, Manchester, England. Fluid-cooling apparatus. No. 1,213,042; Jan. 16; v. 234; p. 987.
- Walker, George H., Worcester, assignor to Heenan & Froude, Limited, Manchester, England. Dynamometer. No. 1,249,261; Dec. 4; v. 245; p. 241.
- Walker, George L., assignor of one-half to W. W. Broughton, Pueblo, Colo. Grate. No. 1,236,023; Aug. 7; v. 241; p. 162.
- Walker, George W., and E. H. Harry, Gibson City, Ill.; said Harry assignor to said Walker. Scaffold. No. 1,213,043; Jan. 16; v. 234; p. 987.
- Walker, Harlan P., McDonald, Pa. Elevator sliding door. No. 1,234,090; July 17; v. 240; p. 905.
- Walker, Harrison A., Shelby, Mich. Bed-table. No. 1,231,678; July 3; v. 240; p. 48.
- Walker, Harry, Anaheim, Cal. Illuminated number-plate. No. 1,213,784; Jan. 23; v. 234; p. 1278.
- Walker, Harry, assignor of one-half to V. W. La Mont, Anaheim, Cal. Combination cap-opener, cigar-clipper, and burglar-key. No. 1,219,203; Mar. 13; v. 236; p. 494.
- Walker, Harry J., Chicago, Ill. Dispensing apparatus. No. 1,250,535; Dec. 18; v. 245; p. 684.
- Walker, Henry, Wellington, New Zealand. Mail-marking machine. No. 1,214,243; Jan. 30; v. 234; p. 1464.
- Walker, Henry B., Lancaster, Ohio. Means for removing and disengaging well-packers. No. 1,214,622; Feb. 6; v. 235; p. 49.
- Walker, Henry B., Lancaster, Ohio. Release-joint for well-casings. No. 1,243,364; Oct. 16; v. 243; p. 672.
- Walker, J. Mort, administrator. (See Walker, William E.)
- Walker, Jacob P., Havre de Grace, Md. Tomato-scalder. No. 1,248,214; Nov. 27; v. 244; p. 999.
- Walker, James A., Genesee, Pa. Neck-yoke. No. 1,211,795; Jan. 9; v. 234; p. 519.
- Walker, James C., Toledo, Ohio, assignor to Wolverine Leather Goods Company, Detroit, Mich. Bicycle-saddle spring-support. No. 1,229,353; June 12; v. 239; p. 379.
- Walker, James L., Sommerville, S. C. Automatic train-stop. No. 1,218,496; Mar. 6; v. 236; p. 209.
- Walker, James L., National, Wash. Carbureter. No. 1,242,089; Oct. 2; v. 243; p. 196.
- Walker, John, Wolf Lake, Ill. Wire-clamp. No. 1,220,912; Mar. 27; v. 236; p. 1155.
- Walker, John, assignor to Massachusetts Chocolate Company, Boston, Mass. Apparatus for treating cocoa and other pulverulent material. No. 1,226,831; May 22; v. 238; p. 1060.
- Walker, John B., Birmingham, Ala. Collapsible core for ingot-molds. No. 1,221,116; Apr. 3; v. 237; p. 39.
- Walker, John B., Birmingham, Ala. Flask for ingot-molds. No. 1,221,117; Apr. 3; v. 237; p. 39.
- Walker, John B., Birmingham, Ala. Expandable pattern for tubular castings. No. 1,242,747; Oct. 9; v. 243; p. 447.
- Walker, John B., New York, N. Y. Truck. No. 1,241,481; Sept. 25; v. 242; p. 967.
- Walker, John E. (See Williams, Joseph, assignor.)
- Walker, John S., et al. (See Coates, George, assignor.)
- Walker, John S., and S. N. Wilcox, Pittsburgh, Pa. Gas-heater. No. 1,244,564; Oct. 30; v. 243; p. 1110.
- Walker, Joseph L. (See Dozier and Walker.)
- Walker, Lena E., Fayette, Iowa. Egg-beater. No. 1,213,561; Jan. 23; v. 234; p. 1202.
- Walker, Leslie D., Clarinda, Iowa. Steering-post brace. No. 1,230,245; June 19; v. 239; p. 713.
- Walker, Martha S., Westwood, Mass. Locating-rule for type-writers. No. 1,215,441; Feb. 13; v. 235; p. 368.
- Walker, Mathew A., and C. C. Moore, Elephant Butte, N. Mex. Rubber spring-tire. No. 1,227,024; May 22; v. 238; p. 1127.
- Walker, Maud J., Newcastle, Wyo. Gear-casing. No. 1,251,307; Dec. 25; v. 245; p. 962.
- Walker-McKinney Co. (See McKinney, Frank A., assignor.)
- Walker, Oakley S., assignor to O. S. Walker Co., Worcester, Mass. Magnetic chuck. No. 1,222,052; Apr. 10; v. 237; p. 398.

- Walker and Pratt Manufacturing Company. (See Walker, Arthur W., assignor.)
- Walker, Ralph P., Birmingham, England. Process of and means for tapping screw-threads. No. 1,249,697; Dec. 11; v. 245; p. 397.
- Walker, Robert P., assignor to National Carbon Company, Cleveland, Ohio. Arc-light electrode. No. 1,225,194; May 8; v. 238; p. 427.
- Walker, Robert R., Carbondale, Pa. Resilient bumper for bell-yokes. No. 1,235,402; July 31; v. 240; p. 1355.
- Walker, Rudolph B. D., Blenheim, New Zealand. Potato-hilling plow. No. 1,225,378; May 8; v. 238; p. 492.
- Walker, Samuel F., Bozeman, Mont. Spring-wheel. No. 1,234,832; July 31; v. 240; p. 1211.
- Walker, Sheridan A., New York, N. Y., assignor to Walker & Bennett Manufacturing Company. Grip-handle for car-seats. No. 1,224,861; May 1; v. 238; p. 263.
- Walker, Thomas, Louisville, Ky. Liquid-level gage. No. 1,250,056; Dec. 11; v. 245; p. 501.
- Walker, Walter S., Helena, Mo. Road drag, grader, and scraper combined. No. 1,210,735; Jan. 2; v. 234; p. 123.
- Walker-Wells Company. (See Wells, George W., assignor.)
- Walker, Wiley P., San Antonio, Tex. Vehicle attachment. No. 1,215,225; Feb. 6; v. 235; p. 259.
- Walker, Willard R., Syracuse, N. Y. Mechanical dishwasher. No. 1,244,446; Oct. 23; v. 243; p. 1034.
- Walker, William D., San Francisco, Cal. Skirt-marker. No. 1,248,959; Dec. 4; v. 245; p. 155.
- Walker, William E., deceased; J. M. Walker, New Orleans, La., administrator. Orthodontia appliance. No. 1,215,442; Feb. 13; v. 235; p. 368.
- Walker, William E., deceased; J. M. Walker, New Orleans, La., administrator. Orthodontia. No. 1,217,374; Feb. 27; v. 235; p. 1143.
- Walker, William H. (See Smith and Stanley, assignors.)
- Walker, William J., assignor of one-fourth to R. H. Ball, Bolivar, N. Y. Retaining-cup. No. 1,212,294; Jan. 16; v. 234; p. 726.
- Walker, William W., assignor to MacAndrews & Forbes Company, Camden, N. J. Fire-extinguishing composition. No. 1,219,509; Mar. 20; v. 236; p. 630.
- Walker, Willis F., Seisholtz, Pa. Railway-tie. No. 1,250,734; Dec. 18; v. 245; p. 743.
- Walkos, Michael, Detroit, Mich. Cotton match. No. 1,245,837; Nov. 6; v. 244; p. 211.
- Walkup, Samuel T., New York, N. Y. Automobile-fender. No. 1,237,589; Aug. 21; v. 241; p. 733.
- Walkup, Samuel T., New York, N. Y. Wheel-guard for automobiles. No. 1,237,590; Aug. 21; v. 241; p. 733.
- Walkup, Samuel T., New York, N. Y., assignor to The Cutler-Hammer Mfg Co., Milwaukee, Wis. Controller for power-operated mechanism. No. 1,245,410; Nov. 6; v. 244; p. 80.
- Walkup, Vincent A., Apache, Okla. Hand-crank. No. 1,247,911; Nov. 27; v. 244; p. 915.
- Walkush, Charles, Ashland, Wis. Quickly-mountable shade and curtain support. No. 1,226,422; May 15; v. 238; p. 888.
- Wall, Albert C., *et al.*, receivers. (See Matthews, Edwin S., assignor.)
- Wall, Charles L., Lawrence, Kans. Internal-combustion engine. No. 1,233,003; July 10; v. 240; p. 517.
- Wall, Enos A., Salt Lake City, Utah. Ore-concentrating table. No. 1,233,149; July 10; v. 240; p. 565.
- Wall, John M., and C. Meldrum, Syracuse, N. Y. Taper and angle measuring device. No. 1,215,443; Feb. 13; v. 235; p. 369.
- Wall, Ormond E., Honolulu, Hawaii. Wind-shield cleaner. No. 1,227,100; May 22; v. 238; p. 1153.
- Wall, Oattie. (See Tillery, Noah F., assignor.)
- Wall, Thomas H., Fidler, Miss. Package-tie and temporary binder. No. 1,238,720; Aug. 28; v. 241; p. 1127.
- Wall, William E., Chicago, Ill. Folding level and plumb. No. 1,249,698; Dec. 11; v. 245; p. 398.
- Wall, William L., Philadelphia, Pa. Holder for eyeglasses and spectacles. No. 1,219,685; Mar. 20; v. 236; p. 692.
- Wallace, Archibald H., New York, N. Y., assignor of one-half to E. Brandquist, Orange, N. J. Spark-plug. No. 1,211,018; Jan. 2; v. 234; p. 222.
- Wallace, Carl J., Springfield, Ohio. Electrical distributor. No. 1,244,926; Oct. 30; v. 243; p. 1219.
- Wallace, Carl J., Springfield, Ohio. Distributor for automobile-circuits. No. 1,244,927; Oct. 30; v. 243; p. 1219.
- Wallace, Charles S. (See Willis, Elijah J., assignor.)
- Wallace, David T., Chicago, assignor of one-third to F. M. Hood, Park Ridge, Ill. Nut-lock. No. 1,210,736; Jan. 2; v. 234; p. 124.
- Wallace, Edgar T. (See Fernander, Alfred, assignor.)
- Wallace, Edward M., Washington, D. C., assignor of one-half to J. D. Wheelihan, Baltimore, Md. Foot-rest. No. 1,217,246; Feb. 27; v. 235; p. 1099.
- Wallace, F. T. D., Jr. (See Compton, Joseph B., assignor.)
- Wallace, Francisco D., Westfield, N. Y., assignor of one-third to A. Gifford and one-third to R. W. Gifford, Cleveland, Ohio. Reversible plow. No. 1,227,349; May 22; v. 238; p. 1235.
- Wallace, Halbert C. and J. L. Kansas City, Mo. Tank-support. No. 1,233,624; July 17; v. 240; p. 758.
- Wallace, Hamilton S. (See Shaw, Emmerson N., assignor.)
- Wallace, Harry B., St. Louis, Mo. Mandrel. No. 1,227,509; May 22; v. 238; p. 1287.
- Wallace, Harry B., St. Louis, Mo. Making tires. No. 1,245,838; Nov. 6; v. 244; p. 211.
- Wallace, Herbert A., New York, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. No. 1,213,309; Jan. 23; v. 234; p. 1114.
- Wallace, Herbert A., New York, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. No. 1,213,310; Jan. 23; v. 234; p. 1115.
- Wallace, Herbert A., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Rheostat. No. 1,220,573; Mar. 27; v. 236; p. 1042.
- Wallace, Herbert A., New York, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. No. 1,231,540; June 26; v. 239; p. 1182.
- Wallace, Herbert A., New York, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. No. 1,231,541; June 26; v. 240; p. 1182.
- Wallace, James, Oakland, Cal. Collapsible container. No. 1,238,364; Aug. 28; v. 241; p. 1015.
- Wallace, James F. (See Meier and Wallace.)
- Wallace, Jesse I. (See Wallace, Halbert C. and J. I.)
- Wallace, John D., Chicago, Ill. Safety-guard for rotary planers. No. 1,241,588; Oct. 2; v. 243; p. 39.
- Wallace, John G., Philadelphia, Pa. Torch. No. 1,233,423; July 17; v. 240; p. 690.
- Wallace, John H., Gloversville, N. Y. Slipper-sole. No. 1,215,751; Feb. 13; v. 235; p. 481.
- Wallace, MacKee B., San Francisco, Cal. Egg-carrier. No. 1,240,518; Sept. 18; v. 242; p. 635.
- Wallace, Milton M., Agua Dulce, Tex. Connecting member. No. 1,243,018; Oct. 16; v. 243; p. 569.
- Wallace, Nick, Magnolia, Minn. Trap. No. 1,216,894; Feb. 20; v. 235; p. 935.
- Wallace, Robert J., Denver, Colo. Longitude and time chart. No. 1,223,128; Apr. 17; v. 237; p. 815.
- Wallace, Robert M., Santa Ana, Cal. Street-sign. No. 1,213,713; Jan. 23; v. 234; p. 1253.
- Wallace, Sidney C., Chicago, Ill. Hose-supporter. No. 1,215,444; Feb. 13; v. 235; p. 369.
- Wallace, Sidney C., Chicago, Ill. Umbrella and cane holder. No. 1,218,020; Mar. 6; v. 236; p. 45.
- Wallace, Sidney C., Chicago, Ill. Egg-crate. No. 1,229,688; June 12; v. 239; p. 493.
- Wallace, William F., Scooba, Miss. Kitchen-cabinet. No. 1,240,519; Sept. 18; v. 242; p. 635.
- Wallace, William P., Clearmont, Mo. Gate. No. 1,232,630; July 10; v. 240; p. 394.
- Wallberg, Frank, New York, N. Y. Combined receiver and detector for wireless use. No. 1,219,838; Mar. 20; v. 236; p. 762.
- Wallem, Axel B., Cynwyd, assignor to Harrison Safety Boiler Works, Philadelphia, Pa. Liquid-measuring apparatus. No. 1,218,726; Mar. 13; v. 236; p. 328.
- Wallen, Leo T., Newark, N. J. Internal-combustion engine. No. 1,216,895; Feb. 20; v. 235; p. 935.
- Wallen, Oliver H., Marshalltown, Iowa. Radiator for hot-air furnaces. No. 1,238,851; Sept. 4; v. 242; p. 42.
- Wallenborn, P. A., *et al.* (See Howard, George D., assignor.)
- Waller, Charles F., Salmon, Tex. Churn. No. 1,250,396; Dec. 18; v. 245; p. 641.
- Waller, Grover E., Laverne, Okla. Whiffletree-hook. No. 1,226,423; May 15; v. 238; p. 888.
- Waller, John. (See Allison and Waller.)
- Waller, Perry J., Los Angeles, Cal. Pump-plunger. No. 1,215,445; Feb. 13; v. 235; p. 369.
- Wallerstedt, Charles F. (See Smith, Iredell, assignor.)
- Wallerstein, Leo. (See Wallerstein, Max and L.)
- Wallerstein, Max and L., New York, N. Y. Producing beverages. No. 1,214,729; Feb. 6; v. 235; p. 87.
- Wallerstein, Max and L., New York, N. Y. Extract having the flavor and aroma of malt and producing the same. No. 1,214,730; Feb. 6; v. 235; p. 87.
- Wallin, Gustaf A., Scotch Plains, N. J., assignor to A. Kimball Company, New York, N. Y. Pin-ticket. No. 1,235,618; Aug. 7; v. 241; p. 30.
- Wallin, Olaf, Minneapolis, Minn. Towel-rack. No. 1,248,760; Dec. 4; v. 245; p. 99.
- Wallinder, Erick G., assignor to Northern Novelty Manufacturing Company, Duluth, Minn. Device for cleaning or drying safety-razor blades. No. 1,242,893; Oct. 9; v. 243; p. 493.
- Walling, David A., Merryville, La. Electric-lamp socket. No. 1,231,819; July 3; v. 240; p. 96.
- Walling, Herbert B., Salt Lake City, Utah, assignor to Western Mining & Exploration Company. Ore-treating apparatus. No. 1,246,195; Nov. 13; v. 244; p. 344.
- Wallis, James T., Altoona, Pa. Driving mechanism for recording apparatus. No. 1,228,724; June 5; v. 239; p. 119.
- Wallis Tractor Company. (See Hendrickson, Robert O., assignor.)
- Wallis, Walter C., Hope, Ark. Transportation device. No. 1,232,414; July 3; v. 240; p. 291.
- Wallmann, Johann G., Oakland, Cal. Motor-car brake. No. 1,250,397; Dec. 18; v. 245; p. 642.
- Wallis, James W., Pueblo, Colo. Combination locking switch-stand. No. 1,244,147; Oct. 23; v. 243; p. 945.
- Walls, James W., Pueblo, Colo. Switch-stand. No. 1,245,167; Nov. 6; v. 244; p. 7.

Alphabetical list of patentees—Continued.

- Walls, John A., Baltimore, Md. Game apparatus. No. 1,213,562; Jan. 23; v. 234; p. 1202.
- Walman, John A. L. (See Weigel, Charles, assignor.)
- Walp, Charles F., and A. F. O'Leary, Berwick, Pa., assignors to American Car and Foundry Company, St. Louis, Mo. Metal-forging machine. No. 1,244,803; Oct. 30; v. 243; p. 1181.
- Walpole, Franklin D., McKenzie, Tenn. Well-bucket. No. 1,218,497; Mar. 6; v. 236; p. 209.
- Walrath, Burton A., Rock Valley, Iowa. Gear-shifting mechanism. No. 1,239,435; Sept. 4; v. 242; p. 227.
- Walrath, Burton A., Rock Valley, Iowa. Gear-shifting mechanism. No. 1,239,436; Sept. 4; v. 242; p. 228.
- Walrath, John R. (See Minor, William S., assignor.)
- Walraven, Charles E., Woodbury, N. J. Fastening device for doors. No. 1,215,752; Feb. 13; v. 235; p. 481.
- Walser, Joseph J., and C. A. Dresser, assignors to The Goss Printing Press Company, Chicago, Ill. Mechanism for renewing the web in a printing-press and for regulating the run of the same through the press. No. 1,233,004; July 10; v. 240; p. 517.
- Walsh, Alexander, and W. Hancock, Toronto, Ontario, Canada. Shade-holder for lamps. No. 1,249,567; Dec. 11; v. 245; p. 359.
- Walsh, Elmer C., Helena, Mont. Sanitary drinking-cup. No. 1,221,639; Apr. 3; v. 237; p. 221.
- Walsh, Eugene B., Brooklyn, N. Y., assignor to The Walsh Manufacturing and Heating Company, Inc. Thermostatic pressure-valve. No. 1,232,130; July 3; v. 240; p. 202.
- Walsh, Eugene B., Brooklyn, N. Y., assignor to The Walsh Manufacturing and Heating Company, Inc. Radiator-heater. No. 1,232,131; July 3; v. 240; p. 202.
- Walsh, Eugene W., New York, N. Y. Door. No. 1,212,591; Jan. 16; v. 234; p. 830.
- Walsh, Frank, *et al.* (See Kanster, Jacob, assignor.)
- Walsh, George J., Brooklyn, N. Y. Horseshoe. No. 1,212,592; Jan. 16; v. 234; p. 830.
- Walsh, James J., Elizabeth, N. J. Washing-machine. No. 1,228,149; May 29; v. 238; p. 1533.
- Walsh, John, Great Falls, Mont. Mail-bag interchanger. No. 1,232,631; July 10; v. 240; p. 394.
- Walsh, John L., assignor of one-half to T. J. Conley, Chicago, Ill. Wrench. No. 1,220,913; Mar. 27; v. 236; p. 1155.
- Walsh, Joseph L., Brooklyn, N. Y. Window-screen. No. 1,231,820; July 3; v. 240; p. 96.
- Walsh, Joseph M. (See McVoy, Vincen P., assignor.)
- Walsh, Joseph N. (See McVoy, Vincen P., assignor.)
- Walsh Manufacturing and Heating Company, The. (See Walsh, Eugene B., assignor.)
- Walsh, Thomas J., *et al.* (See Kanster, Jacob, assignor.)
- Walsh, Thomas J. (See Stewart, Milton H., assignor.)
- Walsh, Thomas J. (See Tittsworth, Richard, assignor.)
- Walsh, Vincent, New York, N. Y. Automobile-signal. No. 1,227,226; May 22; v. 238; p. 1196.
- Walsh, William F., assignor of one-half to H. F. Meyer, St. Paul, Minn. Cradle apparatus. No. 1,227,710; May 29; v. 238; p. 1385.
- Walsky, Isaac, Baltimore, Md. Rupture-suspensory. No. 1,230,451; June 19; v. 239; p. 780.
- Walston, Philip, Boise, Idaho. Knockdown crate. No. 1,228,268; May 29; v. 238; p. 1571.
- Walstrom, Charles W., assignor to Minneapolis Bedding Company, Minneapolis, Minn. Bed-frame. No. 1,243,234; Oct. 16; v. 243; p. 633.
- Walter A. Wood Mowing & Reaping Machine Co. (See Smith, Ernest C., assignor.)
- Walter A. Wood Mowing & Reaping Machine Company. (See Cluett, Sanford L., assignor.)
- Walter, Anton J., Brooklyn, N. Y. Mail-bag collecting and delivering apparatus. No. 1,213,439; Jan. 23; v. 234; p. 1159.
- Walter, Charles E., assignor to J. B. Foote Foundry Company, Fredericktown, Ohio. Block-molding machine. No. 1,228,269; May 29; v. 238; p. 1571.
- Walter, Daniel, Hove, England. Bolt mechanism. No. 1,228,995; June 5; v. 239; p. 209.
- Walter, Daniel, Hove, and A. W. Lee, Portslade, England. Life-guard for attachment to motor and other vehicles. No. 1,229,554; June 12; v. 239; p. 448.
- Walter, Edward C., New York, N. Y. Attachment for graphophone-machines. No. 1,225,538; May 8; v. 238; p. 543.
- Walter, Edward C., New York, N. Y., assignor to H. T. Ambrose, Orange, N. J. Calculating-machine. No. 1,224,872; May 1; v. 238; p. 267.
- Walter, Edward C., New York, N. Y., assignor to H. T. Ambrose, Orange, N. J. Computing and recording machine. No. 1,224,873; May 1; v. 238; p. 267.
- Walter, Frank, assignor to E. F. Schlichter, Philadelphia, Pa. Rotary internal-combustion engine. No. 1,239,853; Sept. 11; v. 242; p. 391.
- Walter G. Ruggles Company. (See Kimball, James L., assignor.)
- Walter H. Bowes Company. (See Dodge, Otis W., assignor.)
- Walter, Harrison B., Danville, Ill. Basket or pail. No. 1,233,150; July 10; v. 240; p. 566.
- Walter, Harrison B., Danville, Ill. Box. No. 1,238,601; Aug. 28; v. 241; p. 1092.
- Walter, Harrison B., Danville, Ill. Clenching-block for stapling-machines. No. 1,250,735; Dec. 18; v. 245; p. 743.
- Walter, Harrison B., assignor to National Fibre Box Company, Danville, Ill. Knockdown box. No. 1,229,834; June 12; v. 239; p. 541.
- Walter, Harvey W., Peoria, Ill. Tampon or pessary. No. 1,222,825; Apr. 17; v. 237; p. 712.
- Walter, Henry C., Bridgeport, Conn., assignor to The Locomobile Company of America, New York, N. Y. Gearing. No. 1,213,311; Jan. 23; v. 234; p. 1115.
- Walter, Ira D., Harrisburg, Ark., assignor of one-twentieth to T. Flournoy, one-tenth to B. F. Cole, thirty-six one-hundredths to J. Brinkerhoff, one-twentieth to J. G. Gant, one-fiftieth to S. A. Latimer, Harrisburg, one-twentieth to E. Hamilton, one-twentieth to C. B. Bailey, Wynne, one-twentieth to F. Shauver and H. C. Shauver, Nettleton, and one-fiftieth to J. W. Gant, Harrisburg, Ark. Demountable rim for tires. No. 1,240,162; Sept. 11; v. 242; p. 484.
- Walter, Jacob, H. J. Butterworth, and O. J. Sigler, assignors of one-fifth to C. M. Rowland, Mansfield, Ohio. Combined vaporizer and mixer. No. 1,228,082; May 29; v. 238; p. 1513.
- Walter, John D. (See Stanton and Walter.)
- Walter, John W., Los Angeles, Cal. Electric-lamp support. No. 1,234,833; July 31; v. 240; p. 1211.
- Walter, Joseph L., Jr., Columbus, Ohio. Combined heat and moisture generator. No. 1,240,108; Sept. 11; v. 242; p. 467.
- Walter, Louis J. (See Moss, Albert A., assignor.)
- Walter, Maurice, New York, N. Y. Steering mechanism for motor-vehicles. No. 1,248,580; Dec. 4; v. 245; p. 46.
- Walter, Maurice C., New York, N. Y., assignor to Associated Farms Co., Inc. Shipping-envelop. No. 1,228,725; June 5; v. 239; p. 119.
- Walter, Paul. (See Brassler, George F., assignor.)
- Walter, Will P., Chicago, Ill. Apparatus for administering anesthetics. No. 1,211,647; Jan. 9; v. 234; p. 468.
- Walter, Woodford R., Claremore, Okla. Stencil. No. 1,248,761; Dec. 4; v. 245; p. 99.
- Waltermire, Amos J., assignor of one-third to A. W. Raymond, Omaha, Nebr. Mail-box. No. 1,215,753; Feb. 13; v. 235; p. 481.
- Waltermire, Andrew J., Batesville, Ark. Rail-joint. No. 1,247,351; Nov. 20; v. 244; p. 720.
- Walters, Arthur A., Richmond, assignor to C. J. Parnham, Melbourne, Victoria, Australia. Slide-bolt. No. 1,228,996; June 5; v. 239; p. 209.
- Walters, Arthur L., Wadena, Iowa. Check-row attachment for planters. No. 1,218,820; Mar. 13; v. 236; p. 363.
- Walters, Edward, Darlinghurst, near Sydney, New South Wales, assignor of one-fifth to H. S. Randall and three-tenths to J. T. Harrison, Sydney, Australia. Invalid's crutch. No. 1,244,928; Oct. 30; v. 243; p. 1220.
- Walters, Edward A., Youngstown, Ohio. Granulating-machine. No. 1,224,815; May 1; v. 238; p. 248.
- Walters, Edward T. (See McManus, Edwin J., assignor.)
- Walters, Frank D. E., and E. E. Waters, Portland, Colo. Yoke for pulverizing and grinding mills. No. 1,248,215; Nov. 27; v. 244; p. 1000.
- Walters, Frank W., Auckland, New Zealand. Diving-dress. No. 1,226,148; May 15; v. 238; p. 794.
- Walters, James, Cass City, Mich. Steering-knuckle joint. No. 1,238,852; Sept. 4; v. 242; p. 42.
- Walters, John D. (See Stanton and Walters.)
- Walters, Ralph A., Rosslyn Farms borough, Pa. Adjustable wire-rope fastener. No. 1,233,939; July 17; v. 240; p. 858.
- Walters, William J., Detroit, Mich. Combination-ladder. No. 1,245,073; Oct. 30; v. 243; p. 1263.
- Waltham Watch Company. (See Duncan, Harrie E., assignor.)
- Waltham Watch Company. (See Olney, Charles J., assignor.)
- Walther, Albert B., assignor to Dahlstrom Metallic Door Company, Jamestown, N. Y. Metallic door. No. 1,242,283; Oct. 9; v. 243; p. 299.
- Walther, Alois F., Detroit, Mich. Electric lead-in fixture. No. 1,249,866; Dec. 11; v. 245; p. 448.
- Walther, Jacob, assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Adjusting and lifting means. No. 1,218,021; Mar. 6; v. 236; p. 46.
- Walton, Charles S. (See Barber and Walton.)
- Walton, Charles S. (See Webb and Walton.)
- Walton, Charles S., assignor to Standard Car Truck Company, Chicago, Ill. Car-truck. No. 1,238,465; Aug. 28; v. 241; p. 1048.
- Walton, Frank A., assignor of one-third to F. W. Steiner, Sparks, Nev. Automatic train control. No. 1,241,454; Sept. 25; v. 242; p. 958.
- Walton, Frank S., Philadelphia, Pa. Treating automobile-tires and the inner tubes thereof. No. 1,223,302; Apr. 17; v. 237; p. 872.
- Walton, Frank S., Philadelphia, Pa. Treating automobile-tires and the inner tubes thereof. No. 1,237,977; Aug. 21; v. 241; p. 856.
- Walton, Frank S., Philadelphia, Pa. Treating automobile-tires and the inner tubes thereof. No. 1,237,978; Aug. 21; v. 241; p. 856.

- Walton, Herman F., South Bend, Ind. Variable electric sign. No. 1,231,821; July 3; v. 240; p. 96.
- Walton, Jerrold F. (See Mankin, Charles A., assignor.)
- Walton, John M., New Orleans, La. Internal-combustion engine. No. 1,232,632; July 10; v. 240; p. 395.
- Walton, John Q., Washington, D. C. Valve. No. 1,218,498; Mar. 6; v. 236; p. 210.
- Walton, Morris, Delaware, Ohio. Furnace-door opener. No. 1,241,061; Sept. 25; v. 242; p. 836.
- Walton, Samuel A., West Hampstead, London, England. Abdominal support for medical and surgical use. No. 1,240,109; Sept. 11; v. 242; p. 467.
- Walton, Ulrich W., Paton, Iowa. Manifold account-sheets. No. 1,248,960; Dec. 4; v. 245; p. 155.
- Waltuck, Edmund. (See Auer, Josef, assignor.)
- Waltz, Andrew C., Port Arthur, Ontario, Canada. Valve-seat grinder. No. 1,214,244; Jan. 30; v. 234; p. 1464.
- Waltz, Frank G., assignor, my mesne assignments, to The Toledo Button Machine Company, Toledo, Ohio. Button-feed control. No. 1,218,139; Mar. 6; v. 236; p. 88.
- Waltz, Frank G., assignor to The Toledo Button Machine Company, Toledo, Ohio. Wire-release means for shoe-button-fastening machines. No. 1,220,574; Mar. 27; v. 236; p. 1042.
- Waltz, John E. (See Conway, Elisha A., assignor.)
- Waltz, Winfield S., Medina, assignor of one-half to O. F. Baughman, Cleveland, Ohio. Chain attaching and adjusting device. No. 1,243,469; Oct. 16; v. 243; p. 702.
- Walworth Manufacturing Company. (See Work, Willis I., assignor.)
- Wambsgans, Jacob. (See Wambsgans, William H. and J.)
- Wambsgans, William H. and J., Peoria, Ill. Knee-joint for artificial limbs. No. 1,243,906; Oct. 23; v. 243; p. 874.
- Wampach, Henry and J., Jordan, Minn. Door construction for silos. No. 1,247,186; Nov. 20; v. 244; p. 673.
- Wampach, Jacob. (See Wampach, Henry and J.)
- Wanda, Frank W., Madison, Me. Picture-frame. No. 1,225,195; May 8; v. 238; p. 427.
- Wandererwerke vormals Winkhofer & Jaenicke, A. G. (See Greve, John E. W., assignor.)
- Wandras, Robert. (See McConnell and Wandras.)
- Wanee, George M., Oakland, Cal. Flying-machine. No. 1,215,226; Feb. 6; v. 235; p. 259.
- Wang, Theodore, Ormond, Fla. Nut-lock. No. 1,216,190; Feb. 13; v. 235; p. 639.
- Wankel, Frank, New York, N. Y. Key-cutting machine. No. 1,225,539; May 8; v. 238; p. 544.
- Wannenwetsch, Andrew T., Buffalo, N. Y. Folding child's carriage. No. 1,215,085; Feb. 6; v. 235; p. 212.
- Wanner, Albert, Jr. (See Baum, Albert J., assignor.)
- Wanner, Albert, Jr., New York, N. Y. Chair. No. 1,213,312; Jan. 23; v. 234; p. 1116.
- Wanner, Albert, Jr., New York, N. Y. Reinforced wooden structure. No. 1,230,545; June 19; v. 239; p. 812.
- Wanner, Albert, Jr., New York, N. Y. Chair. No. 1,233,625; July 17; v. 240; p. 758.
- Wanner, Albert, Jr., New York, N. Y. Umbrella and similar stand. No. 1,235,262; July 31; v. 240; p. 1344.
- Wanner, Albert, Jr., East Liberty, assignor of one-half to V. L. Harris, Akron, Ohio. Piston construction. No. 1,238,602; Aug. 28; v. 241; p. 1092.
- Wanner, Edward C. (See Lull and Wanner.)
- Wanner, Edwin P., New York, N. Y. Baluster for seating appliances. No. 1,235,263; July 31; v. 240; p. 1344.
- Wante, Leon D., Bowdon, England. Dividing, lanifing, and bleaching bast fiber. No. 1,247,757; Nov. 27; v. 244; p. 871.
- Wantz, Julius B., assignor to Victor Electric Company, Chicago, Ill. X-ray table. No. 1,216,633; Feb. 20; v. 235; p. 848.
- Wantz, Julius B., assignor, by mesne assignments, to Victor Electric Corporation, Chicago, Ill. Current transforming and rectifying apparatus. No. 1,229,689; June 12; v. 239; p. 493.
- Wantz, Julius B., assignor, by mesne assignments, to Victor Electric Corporation, Chicago, Ill. X-ray apparatus. No. 1,236,792; Aug. 14; v. 241; p. 441.
- Wantz, Julius B., assignor, by mesne assignments, to Victor Electric Corporation, Chicago, Ill. X-ray apparatus. No. 1,239,145; Sept. 4; v. 242; p. 137.
- Wantz, Julius B., assignor, by mesne assignments, to Victor Electric Corporation, Chicago, Ill. X-ray table. No. 1,239,146; Sept. 4; v. 242; p. 137.
- Wantz, Julius B., assignor, by mesne assignments, to Victor Electric Corporation, Chicago, Ill. X-ray apparatus. No. 1,242,498; Oct. 9; v. 243; p. 366.
- Waples, Rufus, Wayne, Pa. Railway tie. No. 1,214,245; Jan. 30; v. 234; p. 1464.
- Wappat, Fred W., assignor to Pittsburgh Gage and Supply Company, Pittsburgh, Pa. Wringer attachment for washing-machines. No. 1,217,540; Feb. 27; v. 235; p. 1205.
- Wappler, Reinhold H., New York, N. Y. Electric machine. No. 1,218,022; Mar. 6; v. 236; p. 46.
- Wapshare, Richard, Westward Ho, Bangalur, British India. Puncture-proof pneumatic tire. No. 1,220,914; Mar. 27; v. 236; p. 1155.
- Warburton, John, assignor of one-half to D. Ward, Paterson, N. J. Let-off mechanism for looms. No. 1,245,290; Nov. 6; v. 244; p. 44.
- Ward, Abraham D., Los Angeles, Cal. Refrigerator-door lock. No. 1,250,736; Dec. 18; v. 245; p. 743.
- Ward, Albert. (See Ward, Karl and A.)
- Ward, Artemus. (See Giles, Harvey, assignor.)
- Ward B. Story Company. (See Story, Ward B., assignor.)
- Ward Baking Company. (See Kohman, Godfrey, and Ashe, assignors.)
- Ward, Charles A., New Rochelle, assignor to Ward Motor Vehicle Co., Mount Vernon, N. Y. Running-switch for electric vehicles. No. 1,242,619; Oct. 9; v. 243; p. 407.
- Ward, Daniel. (See Warburton, John, assignor.)
- Ward, Daniel O., deceased, Oak Park, Ill.; N. L. Ward, administratrix. Lock-nut. No. 1,210,737; Jan. 2; v. 234; p. 124.
- Ward, Frank D., New York, N. Y. Car-brace strut. No. 1,242,090; Oct. 2; v. 243; p. 197.
- Ward, Francis M., G. H. Bryant, and T. M. Inman, assignors to The Relay Automatic Telephone Company, Limited, London, England. Telephone system. No. 1,225,291; May 8; v. 238; p. 460.
- Ward, Frank D., New York, N. Y. Door-operating mechanism. No. 1,247,603; Nov. 20; v. 244; p. 791.
- Ward, George F., Chicago, assignor of one-half to C. L. Buffington, La Grange, Ill. Means for promoting combustion of fuel. No. 1,251,146; Dec. 25; v. 245; p. 914.
- Ward, George W., Lone Mountain, Tenn. Cotton-picker. No. 1,219,204; Mar. 13; v. 236; p. 494.
- Ward, Harry W., Detroit, Mich. Rheostat. No. 1,244,929; Oct. 30; v. 243; p. 1220.
- Ward, James J., Abbeville, Ala. One-horse plow-stock. No. 1,233,424; July 17; v. 240; p. 690.
- Ward, John, Baker, Oreg. Watering-tank. No. 1,230,056; June 12; v. 239; p. 610.
- Ward, John W., Latrobe, assignor to The Pittsburg High Voltage Insulator Co., Derry, Pa. Insulator-support for towers. No. 1,237,843; Aug. 21; v. 241; p. 813.
- Ward, Joseph E., Hanover, N. J., assignor of one-half to W. A. Olmstead, Fort Salonga, Long Island, N. Y. Indicator for faucets. No. 1,210,738; Jan. 2; v. 234; p. 124.
- Ward, Karl and A., Stockholm, Sweden. Centrifugal drier. No. 1,213,983; Jan. 30; v. 234; p. 1374.
- Ward, Leo B., San Francisco, Cal. Sanitary toilet-seat. No. 1,248,216; Nov. 27; v. 244; p. 1000.
- Ward Motor Vehicle Co. (See Ward, Charles A., assignor.)
- Ward, Nellie L., administratrix. (See Ward, Daniel O.)
- Ward, Paul S., Cincinnati, Ohio. Dough-dividing machine. No. 1,229,188; June 5; v. 239; p. 273.
- Ward, Richard H., Queens, N. Y. Control for cabinet-covers. No. 1,210,875; Jan. 2; v. 234; p. 171.
- Ward, Robert G., assignor of one-half to J. T. Clayton, Forney, Tex. Trap. No. 1,242,397; Oct. 9; v. 243; p. 335.
- Ward, Samuel M., Jr., Woodmere, assignor to J. T. Clarke, New York, N. Y. Electric signaling system. No. 1,241,062; Sept. 25; v. 242; p. 836.
- Ward, Samuel M., Jr., Woodmere, assignor to J. T. Clarke, New York, N. Y. Electric signaling system. No. 1,241,063; Sept. 25; v. 241; p. 836.
- Ward, Valley L., Woodstock, Va. Clutch. No. 1,232,132; July 3; v. 240; p. 203.
- Ward, Walter A., New York, N. Y. Sand picture and making the same. No. 1,221,118; Apr. 3; v. 237; p. 40.
- Ward, William H., Greenville, N. C. Toy pistol. No. 1,245,074; Oct. 30; v. 243; p. 1263.
- Ward, William S., Charlottesville, Va. Stop for talking-machines. No. 1,215,446; Feb. 13; v. 235; p. 370.
- Wardell, Fred. (See Stecker, Alfred J., assignor.)
- Wardell, Henry R., New York, N. Y., assignor to H. W. Johns-Manville Company. Cement shingle. No. 1,244,148; Oct. 23; v. 243; p. 945.
- Warden, Horace F. W., Washington, D. C. Game apparatus. No. 1,232,133; July 3; v. 240; p. 203.
- Warden, William F. (See Heaney, William A., assignor.)
- Wardlow, Robert E., Cincinnati, Ohio. Motor-vehicle heater. No. 1,229,835; June 12; v. 239; p. 541.
- Wardner, Oel E., assignor to The Traut and Iline Manufacturing Company, New Britain, Conn. Ornamental nail-hook. No. 1,247,912; Nov. 27; v. 244; p. 916.
- Wardrop, Frank C., Elko, Nev. Display-rack. No. 1,250,255; Dec. 18; v. 245; p. 600.
- Ware, Charles B., Attleboro, assignor to T. I. Smith Company, North Attleboro, Mass. Bracelet. No. 1,224,585; May 1; v. 238; p. 168.
- Ware, Charles L., assignor of one-half to F. E. Maxfield, Holyoke, Mass. Bed-plate. No. 1,212,159; Jan. 9; v. 234; p. 647.
- Ware, Erastus A., Groton, Conn. Window-screen. No. 1,241,314; Sept. 25; v. 242; p. 917.
- Ware, Jesse D. (See Merry and Ware.)
- Ware, John H. (See Brisbois, Odilon, assignor.)
- Ware, Joseph L., assignor to Twin City Four-Wheel Drive Company, St. Paul, Minn. Four-wheel driving device. No. 1,239,990; Sept. 11; v. 242; p. 433.
- Ware, Orington A., Easton, Pa. Holder for number-plates. No. 1,248,043; Nov. 27; v. 244; p. 950.
- Warfel, Leslie, Dubois, Pa. Copy-holder. No. 1,228,083; May 29; v. 238; p. 1513.
- Warfield, Aaron N., London, Ontario, Canada. Metal car. No. 1,230,349; June 19; v. 239; p. 747.

Alphabetical list of patentees—Continued.

- Warfvinge, Karl H. (See Thörnblad, Warfvinge, and Werner.)
- Warfvinge, Karl H. (See Werner and Warfvinge.)
- Warga, Kalman, Brooklyn, N. Y. Ornamenting and protecting metal surfaces. No. 1,230,958; June 26; v. 239; p. 989.
- Wargensted, Henry C., assignor of one-half to G. H. Mieher, Carlinville, Ill. Spring-wheel. No. 1,244,265; Oct. 23; v. 243; p. 987.
- Waring, Charles. (See McLean and Waring.)
- Waring, Edward H., Glen Ridge, assignor to Crocker-Wheeler Company, Ampere, N. J. Bearing-surface for machinery. No. 1,236,511; Aug. 14; v. 241; p. 348.
- Waring, Percy B., Warrington, England. Coin-controlled apparatus. No. 1,220,302; Mar. 27; v. 236; p. 946.
- Waring, Stewart, Evanston, and H. A. Hauptli, assignors to Sears, Roebuck and Company, Chicago, Ill. Method of and apparatus for disintegrating and coloring paper. No. 1,245,839; Nov. 6; v. 244; p. 212.
- Warm, August M., Danbury, Conn. Machine for jacking and brushing hat-bodies. No. 1,210,876; Jan. 2; v. 234; p. 171.
- Warman, John E., Riverside, Cal. Direction-indicator for automobiles. No. 1,216,025; Feb. 13; v. 235; p. 580.
- Warman, William A. (See Keller and Warman.)
- Warman, William A., New York, assignor to Keller Mechanical Engraving Company, Brooklyn, N. Y. Valve. No. 1,231,822; July 3; v. 240; p. 97.
- Warman, William A., assignor to Keller Mechanical Engraving Company, Brooklyn, N. Y. Power-generator. No. 1,236,793; Aug. 14; v. 241; p. 442.
- Warmoth, George W., Indianapolis, Ind. Anchor-strip for paving-blocks. No. 1,226,149; May 15; v. 238; p. 794.
- Warne, Frederick C., assignor to Roderick Lean Manufacturing Company, Mansfield, Ohio. Draft-equalizer. No. 1,239,147; Sept. 4; v. 242; p. 138.
- Warne, Frederick C., assignor to Roderick Lean Mfg. Company, Mansfield, Ohio. Harrow. No. 1,247,043; Nov. 20; v. 244; p. 631.
- Warnecke, Edward H. (See De Groot, Adri, assignor.)
- Warner, Albion L., assignor to C. L. Russell, New York, N. Y. Oscillating-chair guide. No. 1,210,739; Jan. 2; v. 234; p. 125.
- Warner, Arthur E., Vermillion, Kans. Shock-forming machine. No. 1,216,523; Feb. 20; v. 235; p. 808.
- Warner, Arthur W. (See Carpenter and Warner.)
- Warner Brothers Company, The. (See McGee, Frank A., assignor.)
- Warner, Charles M. (See Kelly, William, assignor.)
- Warner, Clarendon G., Holyoke, Mass. Boiler. No. 1,239,546; Sept. 11; v. 242; p. 292.
- Warner Elevator Mfg. Company, The. (See Shepard, Oscar F., assignor.)
- Warner, Frank H., and W. T. Leggett, assignors to Scovill Manufacturing Company, Waterbury, Conn. Tack-feeding mechanism for button-setting machines. No. 1,229,173; June 5; v. 239; p. 269.
- Warner, Frank H., assignor of one-half to W. H. Warner, Toledo, Ohio. Burner. No. 1,237,427; Aug. 21; v. 241; p. 681.
- Warner, Frank L., New York, N. Y. Railway-track cleaner. No. 1,211,902; Jan. 9; v. 234; p. 559.
- Warner, Fred A., Egremont, Mass. Ice-harvesting machine. No. 1,228,270; May 29; v. 238; p. 1571.
- Warner, Frederick A., Halifax, Nova Scotia, Canada. Wire-cutting device. No. 1,241,455; Sept. 25; v. 242; p. 959.
- Warner Gear Company. (See White, Samuel O., assignor.)
- Warner, George R. (See Richardson, Edward J. and J. R., assignors.)
- Warner, Isidor J., Lake View, N. Y. Treating fish. No. 1,229,555; June 12; v. 239; p. 448.
- Warner, James, Philadelphia, Pa. Arch construction for boilers. No. 1,231,224; June 26; v. 239; p. 1079.
- Warner, John H., Dayton, Ohio. Toy. No. 1,225,379; May 8; v. 238; p. 492.
- Warner Manufacturing Company. (See Cadman, Addi B., assignor.)
- Warner, Robert H., Plymouth, Mich. Curb-templet. No. 1,245,840; Nov. 6; v. 244; p. 212.
- Warner, Robert L., Concord, and G. F. Day, Needham, Mass.; said Day assignor to said Warner. Sight for firearms. No. 1,235,172; July 31; v. 240; p. 1317.
- Warner, Thomas, Oregon City, Oreg. Automatic means for reglating pulp-stock. No. 1,225,086; May 8; v. 238; p. 391.
- Warner, William H. (See Mansell and Warner.)
- Warner, William H. (See Warner, Frank H., assignor.)
- Warnock, Harry R. (See Wieseckel, George F., assignor.)
- Warp Compressing Machine Company. (See Remington, Arthur L., assignor.)
- Warr, Harold G., assignor to The P. & M. Company, Chicago, Ill. Rail-anchor. No. 1,217,541; Feb. 27; v. 235; p. 1205.
- Warren, Arthur N. (See Hershey, Christian F., assignor.)
- Warren, Carl, Seabee, Ky. Ditching-machine. No. 1,239,650; Sept. 11; v. 242; p. 324.
- Warren, Clyde E. (See Vinzent and Warren.)
- Warren, Clyde W. (See Russell, Zachary E., assignor.)
- Warren, Edgar A., Kellogg, Idaho, assignor to General Sales & Brokerage Co., Newport, Wash. Screen-door fly-trap. No. 1,236,512; Aug. 14; v. 241; p. 348.
- Warren, Eli, Wichita, Kans. Furnace. No. 1,248,217; Nov. 27; v. 244; p. 1000.
- Warren Featherbone Company, The. (See Johnston, James G., assignor.)
- Warren Featherbone Co. (See Schloss, Joseph W., assignor.)
- Warren Featherbone Company, The. (See Stebbins and Gelow, assignors.)
- Warren, Francis M., Eclectic, Ala. Clamp for quilting-frames. No. 1,247,187; Nov. 20; v. 244; p. 673.
- Warren, Francis W., Watertown, N. Y. Hydraulic lift for beater-rolls. No. 1,236,794; Aug. 14; v. 241; p. 442.
- Warren, Frank H., Swampscott, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Rib-tightening machine. No. 1,245,411; Nov. 6; v. 244; p. 80.
- Warren, George F., Portsmouth, Va. Barrel. No. 1,246,510; Nov. 13; v. 244; p. 439.
- Warren, Henry E., Ashland, Mass. Fluid-operated lathe. No. 1,244,664; Oct. 30; v. 243; p. 1139.
- Warren, Howard, Los Angeles, Cal. Lawn-mower. No. 1,225,380; May 8; v. 238; p. 492.
- Warren, James G., Cheney, Wash. Photographic-printing apparatus. No. 1,249,699; Dec. 11; v. 245; p. 398.
- Warren, John B., assignor to Broadfield Poultry Farm, Inc., Bolton, Mass. Egg-tester. No. 1,216,634; Feb. 20; v. 235; p. 848.
- Warren, John B., assignor to Broadfield Poultry Farm, Inc., Bolton, Mass. Tray for egg-cases. No. 1,230,546; June 19; v. 239; p. 812.
- Warren, John J., Preston, England. Core-making machine for foundry purposes. No. 1,211,796; Jan. 9; v. 234; p. 519.
- Warren, John R., Grand Rapids, Mich. Friction-pawl, and the same in combination with starters for internal-combustion engines and the like. No. 1,238,226; Aug. 28; v. 241; p. 970.
- Warren, John R., Grand Rapids, Mich. Lifting-tongs. No. 1,249,568; Dec. 11; v. 245; p. 359.
- Warren, John W. L., Auckland, New Zealand. Milking-machine apparatus. No. 1,222,826; Apr. 17; v. 237; p. 712.
- Warren, Luke F., New York, N. Y., assignor to The Darent Company, Inc. Safety-razor. No. 1,234,834; July 31; v. 240; p. 1211.
- Warren, Luke F., New York, N. Y., assignor to The Darent Company, Inc. Safety-razor. No. 1,250,398; Dec. 18; v. 245; p. 642.
- Warren, Peter R., Boston, Mass. Box. No. 1,217,375; Feb. 27; v. 235; p. 1143.
- Warren, Peter R., Boston, Mass. Paper box. No. 1,226,150; May 15; v. 238; p. 794.
- Warren, Thomas E., Ticonderoga, N. Y. Calender-doctor. No. 1,228,726; June 5; v. 239; p. 120.
- Warren, Walter T., et al. (See Vinson, Thomas C., assignor.)
- Warren Webster & Company. (See Blyeu, William F., assignor.)
- Warren Webster & Company. (See Dobson, John B., assignor.)
- Warren Webster & Company. (See Fitts, James L., assignor.)
- Warren, William B. (See Chalker, Charles E., assignor.)
- Warren, William F., et al. (See Bell, Marvin, assignor.)
- Warriner, Jesse W., Sioux Falls, S. D. Automatic electric fan. No. 1,238,365; Aug. 28; v. 241; p. 1015.
- Warriner, Robert, assignor to Fore River Shipbuilding Corporation, Quincy, Mass. Gearing. No. 1,223,648; Apr. 24; v. 237; p. 1028.
- Warta, Anthony, Annville, Pa. Embroidery-frame clamp. No. 1,229,836; June 12; v. 239; p. 542.
- Wartchow, Albert H., Deering, N. D. Shock loading and unloading machine. No. 1,250,737; Dec. 18; v. 245; p. 744.
- Wartman, Edward, and N. Mitchell, Everett, Wash. Railway cross-tie. No. 1,225,688; May 8; v. 238; p. 595.
- Warzecha, Franciszek, Bay City, Mich. Safety switch-throwing device. No. 1,245,075; Oct. 30; v. 243; p. 1263.
- Wasasier, Harry C., Virginia, Minn. Tag-holder. No. 1,227,711; May 29; v. 238; p. 1885.
- Wasenske, Henry W., Collinsville, Ill. Rotatable support for Christmas trees. No. 1,220,708; Mar. 27; v. 236; p. 1087.
- Waser, Carl R., assignor to Precision Thermometer & Instrument Company, Philadelphia, Pa. Sphygmomanometer. No. 1,213,984; Jan. 30; v. 234; p. 1375.
- Washburn Crosby Company. (See Holden, Hiram C., assignor.)
- Washburn, Edwin C., Englewood, N. J. Casting apparatus. No. 1,235,744; Aug. 7; v. 241; p. 69.
- Washburn, Frank S. (See Landis, Walter S., assignor.)
- Washburn, Frank S., New York, N. Y. Making ammonium nitrate and other products. No. 1,217,247; Feb. 27; v. 235; p. 1100.
- Washburn, Oliver D., Whitneyville, Conn. Strapping-machine. No. 1,228,856; June 5; v. 239; p. 165.
- Washburn, Wickes, Roselle, N. J. Tobacco-saver. No. 1,210,877; Jan. 2; v. 234; p. 172.
- Washburne, Alva C., et al. (See Hammond, Grant, assignor.)
- Washburne, Frank L., Westfield, N. J., and G. E. Kimmerlé, Brooklyn, assignors to E. G. Washburne & Company, New York, N. Y. Electrically-indicating weather-vane. No. 1,213,714; Jan. 23; v. 234; p. 1253.

- Washburne, James V., Fulton, N. Y. Fastening device. No. 1,238,366; Aug. 28; v. 241; p. 1016.
- Washburne, John L., Waterbury, Conn. Paper-clip. No. 1,242,620; Oct. 9; v. 243; p. 407.
- Washburne, Myron L., Rock Falls, Ill. Railway-tie. No. 1,248,581; Dec. 4; v. 245; p. 46.
- Washeim, Herman A., New York, N. Y. Convertible furniture. No. 1,224,982; May 8; v. 238; p. 355.
- Washington, Ben, Seville, Fla. Sunshade. No. 1,217,542; Feb. 27; v. 235; p. 1206.
- Washington, Dixon E. (See Duz and Washington.)
- Washington, Earnest, Faribault, Minn. Cap. No. 1,216,635; Feb. 20; v. 235; p. 848.
- Washington Steamship Corporation. (See Ringler, William A., assignor.)
- Washtik Company, The. (See Courts, Benjamin D., assignor.)
- Waska, James, Chicago, Ill. Joist-lifter. No. 1,220,034; Mar. 20; v. 236; p. 812.
- Waskom, Jacob J., Louisville, Ky. Package-tying device. No. 1,229,690; June 12; v. 239; p. 494.
- Wass, Andrew G., Minneapolis, Minn. Casement-window lock and joint-strip. No. 1,216,524; Feb. 20; v. 235; p. 808.
- Wass, John, Beaver Falls, Pa. Utensil-cover. No. 1,228,150; May 29; v. 238; p. 1533.
- Wass, Royal A., Berkeley, Cal. Mowing-machine. No. 1,212,427; Jan. 16; v. 234; p. 772.
- Wassell, James C. (See Bader and Wassell.)
- Wasserman, Samuel, *et al.* (See Ettinger, Samuel N., assignor.)
- Wasson Engineering and Supply Company. (See Wasson, Frank A., assignor.)
- Wasson, Frank A., Milwaukee, Wis., assignor to Wasson Engineering and Supply Company Santa Rosa, Cal. Trolley. No. 1,221,249; Apr. 3; v. 237; p. 87.
- Wasson, Frank A., Milwaukee, Wis., assignor to Wasson Engineering and Supply Company, Santa Rosa, Cal. Trolley-pole. No. 1,221,250; Apr. 3; v. 237; p. 88.
- Wasson, Lawson C., Snyder, Tex. Convertible table and ironing-board. No. 1,228,084; May 29; v. 238; p. 1513.
- Waste Utilities Company of Delaware. (See Kidwell, Edgar, assignor.)
- Wasylow, Iko. (See Kamianczyn and Wasylow.)
- Watanabe, Ryusuke, Granger, Wyo. Tie-plate. No. 1,219,362; Mar. 13; v. 236; p. 548.
- Watchorn, Robert, *et al.* (See Dickson, James T., assignor.)
- Waterbury Battery Company, The. (See Schoenmehl and Martus, assignors.)
- Waterbury Buckle Company. (See Kinch, Earl L., assignor.)
- Waterbury Buckle Co. (See Maltby, Julius, assignor.)
- Waterbury Clock Co. (See Muckle, Emil, assignor.)
- Waterbury Clock Co. (See Putnam, James R., assignor.)
- Waterbury Clock Co. (See Smith, William J., assignor.)
- Waterbury Clock Co. (See Wehinger, Frederick, assignor.)
- Waterbury Farrel Foundry and Machine Company, The. (See Candee, Zenas P., assignor.)
- Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
- Waterbury Mfg. Co. (See Goetz, Henry F., assignor.)
- Waterbury Mfg. Co. (See Henger, Edwin W., assignor.)
- Waterbury Mfg. Co. (See Recker, Adolph C., assignor.)
- Waterbury Mfg. Co. (See Smith, Frederick C., assignor.)
- Waterbury Tool Company, The. (See Crain, John J., assignor.)
- Waterfield, George L., *et al.* (See McNeill, David, assignor.)
- Waterfield, Thomas, *et al.* (See McNeill, David, assignor.)
- Waterloo Gasoline Engine Company. (See Witry, Louis W., assignor.)
- Waterman, Harry G. (See Powers, Albert H., assignor.)
- Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Cultivator-shovel. No. 1,212,295; Jan. 16; v. 234; p. 726.
- Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Plow. No. 1,215,754; Feb. 13; v. 235; p. 482.
- Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Landing device. No. 1,225,897; May 15; v. 238; p. 707.
- Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Plow. No. 1,229,354; June 12; v. 239; p. 379.
- Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Lister-cultivator. No. 1,229,355; June 12; v. 239; p. 380.
- Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Sulky-plow. No. 1,233,734; July 17; v. 240; p. 792.
- Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Tractor-implement-controlling mechanism. No. 1,243,019; Oct. 16; v. 243; p. 569.
- Waterman, Lewis E., assignor to Emerson-Brantingham Company, Rockford, Ill. Cultivator. No. 1,249,569; Dec. 11; v. 245; p. 360.
- Waterman, Raymond, Minneapolis, Minn. Grading-machine. No. 1,241,686; Oct. 2; v. 243; p. 69.
- Waterman, Russell R., Pasadena, Cal. Steering and propelling means for dirigible airships. No. 1,222,499; Apr. 10; v. 237; p. 557.
- Waterman, William K., New York, N. Y. Body for auto-trucks. No. 1,223,912; Apr. 24; v. 237; p. 1120.
- Waterous, Charles P., St. Paul, Minn. Means for mounting a fire-engine pump. No. 1,217,671; Feb. 27; v. 235; p. 1251.
- Waterous, Charles P., assignor to Waterous Engine Works Company, St. Paul, Minn. Fire-engine. No. 1,238,853; Sept. 4; v. 242; p. 42.
- Waterous, Charles P., assignor to Waterous Engine Works Company, St. Paul, Minn. Transmission-gearing. No. 1,250,738; Dec. 18; v. 245; p. 744.
- Waterous Engine Works Company. (See Waterous, Charles P., assignor.)
- Waters, Ernest E. (See Walters and Waters.)
- Waters, Fernie A., Graceville, Fla. Peanut-planter. No. 1,230,550; June 19; v. 239; p. 747.
- Walters, Harry B., Denver, Colo. Sheet-music and loose-leaf binder. No. 1,222,500; Apr. 10; v. 237; p. 557.
- Waters, Joseph R., Princess Anne, Md. Device for holding protectors upon the edges of coats, &c. No. 1,222,250; Apr. 10; v. 237; p. 469.
- Waters, Thomas, Northampton, England. Machine for use in repairing boot and shoe soles. No. 1,250,057; Dec. 11; v. 245; p. 501.
- Waters, William L., Milwaukee, Wis. Signaling apparatus for railways. No. 1,221,928; Apr. 10; v. 237; p. 357.
- Waters, William L., Milwaukee, Wis. Load-regulating system. No. 1,242,284; Oct. 9; v. 243; p. 299.
- Waters, William L., Milwaukee, Wis. Electric distributing system. No. 1,250,536; Dec. 18; v. 245; p. 684.
- Watkin, Lewis M., Jr. (See Miller and Watkin.)
- Watkin, Richard, New York, N. Y. Station-indicator. No. 1,237,844; Aug. 21; v. 241; p. 813.
- Watkins, Frederick A., Chicago, Ill. Electric wiring system. No. 1,240,907; Sept. 25; v. 242; p. 789.
- Watkins, George W., Lebo, Kans. Refrigerator-car. No. 1,242,091; Oct. 2; v. 243; p. 197.
- Watkins, James O., assignor to Federal Telegraph Company, San Francisco, Cal. Wireless telegraphy. No. 1,224,343; May 1; v. 238; p. 83.
- Watkins, John H. (See Lietz, Paul S., assignor.)
- Watkins, Leigh, San Antonio, Tex. Trailer. No. 1,238,603; Aug. 28; v. 241; p. 1092.
- Watkins, Lou V., Fort Worth, Tex. Skirt-gage. No. 1,213,313; Jan. 23; v. 234; p. 1116.
- Watkins, Orla H., Marshalltown, Iowa. Muffler cut-out. No. 1,242,621; Oct. 9; v. 243; p. 407.
- Watkins, Owen C., assignor of one-half to T. E. Reed, Middletown, Ohio. Weather-boarding gage. No. 1,229,356; June 12; v. 239; p. 381.
- Watkins, Robert L., New York, N. Y. Photomicrographic apparatus. No. 1,214,851; Feb. 6; v. 235; p. 126.
- Watkins, Stanley S. A., Mount Vernon, assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. No. 1,249,570; Dec. 11; v. 245; p. 360.
- Watkins, Thomas. (See Hunter and Watkins.)
- Watkins, William, Monessen, Pa. Game. No. 1,226,424; May 15; v. 238; p. 888.
- Watkins, William C., Weston, Ohio. Casket. No. 1,226,038; May 15; v. 238; p. 756.
- Watkins, William D., assignor of one-half to H. W. Conkling, San Jose, Cal. Tractor. No. 1,222,911; Apr. 17; v. 237; p. 740.
- Watkins, William R., Woodlawn, Ala. Combined shovel and sieve. No. 1,234,835; July 31; v. 240; p. 1211.
- Watrous, Earl G., Chicago, Ill. Liquid-soap-dispensing device. No. 1,229,556; June 12; v. 239; p. 448.
- Watrous, Earl G., Chicago, Ill. Liquid-soap fixture. No. 1,242,398; Oct. 9; v. 243; p. 336.
- Watrous, Edward L., Des Moines, Iowa, assignor to D. B. Gann, Chicago, Ill. Leg-socket. No. 1,211,797; Jan. 9; v. 234; p. 520.
- Watrous, Edward L., Des Moines, Iowa, assignor to E. L. Watrous Galvanizing Company. Method of metal-plating. No. 1,221,397; Apr. 3; v. 237; p. 139.
- Watrous, Martin D., Ansonia, assignor to The Union Fabric Company, Derby, Conn. Machine for tipping garment-stays. No. 1,244,266; Oct. 23; v. 243; p. 981.
- Watrous, William H., Bridgeport, Conn. Adjustable bracket. No. 1,237,428; Aug. 21; v. 241; p. 681.
- Watson, Archibald S., assignor to Detroit Hoist and Machine Company, Detroit, Mich. Electric hoist. No. 1,238,466; Aug. 28; v. 241; p. 1048.
- Watson, Arthur J., London, Ontario, Canada. Filing-cabinet. No. 1,211,798; Jan. 9; v. 234; p. 520.
- Watson, Bert E. M., Grand Island, Nebr. Wind-shield ventilator. No. 1,248,218; Nov. 27; v. 244; p. 1000.
- Watson, Clarence C., Waterman, Ill. Hog-trap. No. 1,227,712; May 29; v. 238; p. 1386.
- Watson, Clement W., Toledo, Ohio. Tool-holder. No. 1,244,665; Oct. 30; v. 243; p. 1139.
- Watson Development Company. (See Watson, Henry F., assignor.)
- jectile. No. 1,220,803; Mar. 27; v. 236; p. 1119.
- Watson, Edward B., Toledo, Ohio. Ventilating cover for cans. No. 1,232,134; July 3; v. 240; p. 203.
- Watson, Edward R., Indianapolis, Ind. Artillery-pro-
Watson, Frank W., Cedar Falls, Iowa. Scaffold. No. 1,222,053; Apr. 10; v. 237; p. 398.
- Watson, George, Sr., Brookfield, Nova Scotia, Canada. Miter-box. No. 1,247,758; Nov. 27; v. 244; p. 871.

Alphabetical list of patentees—Continued.

- Watson, George F., *et al.* (See James, Bertie R., assignor.)
- Watson, Glenn W., assignor to Diamond Power Specialty Company, Detroit, Mich. Blower for boilers. No. 1,243,464; Oct. 16; v. 243; p. 701.
- Watson, Glenn W., assignor to Diamond Power Specialty Company, Detroit, Mich. Boiler-tube cleaner. No. 1,225,292; May 8; v. 238; p. 460.
- Watson, Harold L. (See Jameson, Charles S., assignor.)
- Watson, Harold L. (See Thum, Ellwood F., assignor.)
- Watson, Henry F., assignor to Watson Development Company, Chicago, Ill. Receptacle. No. 1,212,428; Jan. 16; v. 234; p. 772.
- Watson, Harry E., assignor of one-half to F. B. Thompson, Richmond, Ind. Safety device for motion-picture machines. No. 1,230,351; June 19; v. 239; p. 748.
- Watson, Henry, El Paso, Tex. Clamp for molds. No. 1,236,795; Aug. 14; v. 241; p. 443.
- Watson, James, Koondrook, Victoria, and J. Gerrand, Barmham, New South Wales, Australia. Appliance for testing valves of internal-combustion engines. No. 1,237,127; Aug. 14; v. 241; p. 548.
- Watson, James P., Benton, Ill. Hay-rack. No. 1,225,087; May 8; v. 238; p. 391.
- Watson, James S. (See Watson, William W. and J. S.)
- Watson, John B., Becket, Mass. Milk-can. No. 1,242,876; Oct. 9; v. 243; p. 488.
- Watson, John H., Chicago, Ill. Liquid-holding vessel. No. 1,228,151; May 29; v. 238; p. 1534.
- Watson, John W., Wayne, Pa. Shock-absorber. No. 1,230,352; June 19; v. 239; p. 748.
- Watson, Joseph C., Albany, N. Y. Strap for mounting eyeglasses. No. 1,234,429; July 24; v. 240; p. 1053.
- Watson, Lilla F. (See Perkins, Clement L., assignor.)
- Watson Manufacturing Company. (See Watson and Anderson, assignors.)
- Watson and McDaniel Company. (See Jahn, Frederick L., assignor.)
- Watson, Robert J., and A. E. Ozouf, assignors to The Allbright-Nell Company, Chicago, Ill. Skinning-machine. No. 1,223,129; Apr. 17; v. 237; p. 815.
- Watson-Stillman Company, The. (See Wigtel, Carl, assignor.)
- Watson, Thomas, Kilmarnock, Scotland. Razor. No. 1,216,381; Feb. 20; v. 235; p. 759.
- Watson, Thomas A. (See Forester, William H., assignor.)
- Watson, Thomas S., Milwaukee, Wis. Coal-handling bridge. No. 1,220,804; Mar. 27; v. 236; p. 1119.
- Watson, Thomas S., assignor to Car Lighting Improvement Co., Milwaukee, Wis. Electric regulator. No. 1,224,983; May 8; v. 238; p. 356.
- Watson, Tyler B., and J. J. Brasington, Cheraw, S. C. Seed-harvester. No. 1,221,119; Apr. 3; v. 237; p. 40.
- Watson, Wilbur J., Cleveland, Ohio. Centering for reinforced-concrete bridges, floors, and the like. No. 1,219,608; Mar. 20; v. 236; p. 665.
- Watson, William A., Malden, Mass., assignor, by mesne assignments, to Autopiano Company, New York, N. Y. Tracker mechanism for musical instruments. No. 1,234,239; July 24; v. 240; p. 990.
- Watson, William C., Ponsonby, Auckland, New Zealand. Vote-recording machine. No. 1,240,632; Sept. 18; v. 242; p. 669.
- Watson, William H., St. Peters, near Sydney, New South Wales, Australia. Eaves-gutter bracket and overstrap. No. 1,235,619; Aug. 7; v. 241; p. 30.
- Watson, William U., Chicago, Ill. Tire-pump. No. 1,236,513; Aug. 14; v. 241; p. 348.
- Watson, William W. and J. S. Kansas City, Mo. Machine for making and laying underground tile. No. 1,218,727; Mar. 13; v. 236; p. 329.
- Watson, William W., and C. A. Anderson, Jamestown, N. Y., assignors to Watson Manufacturing Company. Sheet-metal-case construction. No. 1,215,447; Feb. 13; v. 235; p. 370.
- Watson, William W., Jamestown, N. Y. Sheet-metal window-screen for railway-cars. No. 1,238,854; Sept. 4; v. 242; p. 43.
- Watson, William W., Jamestown, N. Y. Weather-strip for sheet-metal window-screens. No. 1,241,687; Oct. 2; v. 243; p. 70.
- Watson, William W., Jamestown, N. Y. Sheet-metal window-screen for casements. No. 1,241,794; Oct. 2; v. 243; p. 103.
- Watt, Delton C., and F. A. Greason, Barre, Vt. Automatic covering for automobiles. No. 1,233,425; July 17; v. 240; p. 691.
- Watterberg, Axel, Sanish, N. D. Rotary engine. No. 1,227,350; May 22; v. 238; p. 1235.
- Watters, Frederick L., assignor to Chicago Handle Bar Company, Shelby, Ohio. Handle-bar stem. No. 1,232,871; July 10; v. 240; p. 476.
- Watters, John H., and W. H. Bean, Anniston, Ala. Lubricator-filling valve. No. 1,217,672; Feb. 27; v. 235; p. 1251.
- Watters, William E., Maywood, Ill. Grab-bucket. No. 1,218,343; Mar. 6; v. 236; p. 159.
- Watterson, Wilfred W. (See Wrinkle and Watterson.)
- Wattles, Luther H., Providence, assignor, by mesne assignments, to F. W. Smith, Warren, R. I. Pumping apparatus. No. 1,216,754; Feb. 20; v. 235; p. 888.
- Wattles, Victory H., and P. A. Reynolds, Battle Creek, Mich. Lock for sheet-metal boxes. No. 1,214,731; Feb. 6; v. 235; p. 88.
- Watts, Daniel J., assignor of one-fourth to L. J. Wright and one-fourth to R. C. Doenitz, Iron River, Mich. Combined powder-punch and blasting-fuse holder. No. 1,219,609; Mar. 20; v. 236; p. 665.
- Watts, Frank E., assignor to Hupp Motor Car Company, Detroit, Mich. Engine-casing. No. 1,242,285; Oct. 9; v. 243; p. 300.
- Watts, Frank E., and D. T. Hastings, Detroit, Mich., assignors, by mesne assignments, to Hupp Motor Car Corporation, Richmond, Va. Engine-casing. No. 1,225,088; May 8; v. 238; p. 391.
- Watts, Harry J., Turtle Creek, Pa. Floating tool-chuck. No. 1,241,175; Sept. 25; v. 242; p. 871.
- Watts, Harry J., Turtle Creek, Pa. Drill or boring member. No. 1,241,176; Sept. 25; v. 242; p. 871.
- Watts, Harry J., Turtle Creek, Pa. Floating tool-chuck. No. 1,241,177; Sept. 25; v. 242; p. 872.
- Watts, Joseph F., Jackson, Miss. Swinging gate and partition. No. 1,215,892; Feb. 13; v. 235; p. 531.
- Watts, Josiah F., Seattle, Wash. Necktie-rack. No. 1,230,959; June 26; v. 239; p. 989.
- Watts, Josiah F., Seattle, Wash. Garbage-can. No. 1,248,762; Dec. 4; v. 245; p. 99.
- Watts, Julius R., Atlanta, Ga. Sash-fastener. No. 1,238,968; Sept. 4; v. 242; p. 80.
- Watts, Percy S., Seattle, Wash. Tool-rack. No. 1,231,316; June 26; v. 239; p. 1109.
- Watty, Hedley, Groton, Conn. Chimney-holder. No. 1,242,748; Oct. 9; v. 243; p. 447.
- Watzelhan, Joseph, New York, N. Y. Machine for producing underlays and overlays. No. 1,247,044; Nov. 20; v. 244; p. 631.
- Waugh, Charles P. (See Harp, William I., assignor.)
- Waugh, Daniel S., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Rock-drill. No. 1,225,898; May 15; v. 238; p. 708.
- Waugh Draft Gear Company. (See Davidson, Arthur C., assignor.)
- Waugh Draft Gear Company. (See Forsyth, George H., assignor.)
- Waugh Draft Gear Company. (See Gallagher, Frederick S., assignor.)
- Waugh, Edward H. (See Briarly and Waugh.)
- Waugh, Edward H. (See Swartz and Waugh.)
- Waugh, Edward H., Seattle, Wash. Jointing and matching cutter. No. 1,215,755; Feb. 13; v. 235; p. 482.
- Waugh, Edward H., assignor to J. W. Wingham, Seattle, Wash. Bushing. No. 1,229,837; June 12; v. 239; p. 542.
- Waugh, Edward H., assignor to Smith Cannery Machines Company, Seattle, Wash. Weight-testing machine. No. 1,229,838; June 12; v. 239; p. 542.
- Waugh, Edward H., and W. J. Swartz, assignors to Automatic Candy Machine Company, Seattle, Wash. Preparing and depositing apparatus for confectionery. No. 1,227,713; May 29; v. 238; p. 1386.
- Waugh, Edward H., and W. J. Swartz, Seattle, Wash., assignors to Automatic Candy Machine Company. Preparing apparatus for confectionery. No. 1,227,714; May 29; v. 238; p. 1386.
- Waugh, George F., U. S. Army. Match-box. No. 1,243,907; Oct. 23; v. 243; p. 874.
- Waugh, James M., Chicago, Ill. Shock-absorbing metallic tire for wheels. No. 1,210,740; Jan. 2; v. 234; p. 125.
- Waugh, James M., Chicago, Ill. Journal-spring. No. 1,222,698; Apr. 17; v. 237; p. 669.
- Waugh, James M., Chicago, Ill. Spring driving-gear. No. 1,222,699; Apr. 17; v. 237; p. 669.
- Waugh, James M., Chicago, Ill. Shock-absorption gear for tank and other cars. No. 1,245,841; Nov. 6; v. 244; p. 212.
- Waugh, James M., Chicago, Ill. Tank-car. No. 1,248,763; Dec. 4; v. 245; p. 100.
- Waugh, James M., Chicago, Ill. Resilient driving-gear. No. 1,248,764; Dec. 4; v. 245; p. 100.
- Waugh, William P., Warren, R. I., assignor to Asbestos Protected Metal Company, Pittsburgh, Pa. Glazing construction. No. 1,227,861; May 29; v. 238; p. 1437.
- Waugh, William P., Sewickley, assignor to Asbestos Protected Metal Company, Pittsburgh, Pa. Glazing construction. No. 1,243,020; Oct. 16; v. 243; p. 569.
- Waukesha Motor Co. (See Horning, Harry L., assignor.)
- Waxbom, Carl J. E., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining-machine. No. 1,212,717; Jan. 16; v. 234; p. 877.
- Waxel, Gordon, New York, N. Y. Cigar-box. No. 1,236,634; Aug. 14; v. 241; p. 387.
- Way, John H., Philadelphia, Pa. Concealed or invisible butt-hinge. No. 1,249,700; Dec. 11; v. 245; p. 398.
- Waybright, Charles S., Staunton, Va. Churn-operating mechanism. No. 1,247,352; Nov. 20; v. 244; p. 720.
- Wayland, Francis, Salem, Mass. Skin, hide, and leather working machine. No. 1,214,852; Feb. 6; v. 235; p. 127.
- Wayman, Edmund G., Swissvale, assignor to W. C. Vogenberger, Wilkinsburg, Pa. Igniter for internal-combustion engines. No. 1,248,219; Nov. 27; v. 244; p. 1001.
- Waymer, Frank E. (See Gervais, Charles E., assignor.)

- Waymire, Lettie A., Oroville, Cal. Carving-fork. No. 1,220,479; Mar. 27; v. 236; p. 1010.
- Wayne, Herbert N., assignor to W. J. Ennis, Los Angeles, Cal. Tire. No. 1,235,861; Aug. 7; v. 241; p. 109.
- Wayne, Joseph E., Huntingburg, Ind. Front for poultry-coops. No. 1,248,220; Nov. 27; v. 244; p. 1001.
- Wayne Manufacturing Company. (See Sargent, William H., assignor.)
- Wayne Oil Tank and Pump Company. (See Baker, Linnaeus E., assignor.)
- Wayne Oil Tank and Pump Company. (See Heath, Almon D., assignor.)
- Wayne Process Company. (See Donnelly, John R., assignor.)
- Wayrich, Alexander, Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Exhibition device. No. 1,218,231; Mar. 6; v. 236; p. 120.
- Wayrynen, William L., Lake Norden, S. D. Tire-patch. No. 1,224,248; May 1; v. 238; p. 48.
- Waysman, Samuel D., Nome, Alaska. Dredge. No. 1,237,845; Aug. 21; v. 241; p. 814.
- Waywell, James, *et al.* (See Prescott, Thomas, assignor.)
- Wazbinski, Stanley F., Bay City, Mich. Collapsible core for concrete-molds. No. 1,242,092; Oct. 2; v. 243; p. 197.
- Wazbinski, Stanley F., Bay City, Mich. Mold for making cement blocks. No. 1,249,867; Dec. 11; v. 245; p. 448.
- Weaderhorn, Harry. (See Meyers and Weaderhorn.)
- Weaner, Cornelius, Rising Sun, Ohio. Railway-tie fastener. No. 1,220,035; Mar. 20; v. 236; p. 813.
- Weaner, Edgar C., assignor of one-half to C. D. Leach, Toledo, Ohio. Snow shovel and loader. No. 1,214,397; Jan. 30; v. 234; p. 1519.
- Wear, Frank F., and B. M. Ely, assignors to The Alvey-Ferguson Company, Cincinnati, Ohio. Coffee-mill. No. 1,220,147; Mar. 20; v. 236; p. 857.
- Wear, James S. (See Stormont and Wear.)
- Wear, Joseph W., assignor to Thomas Potter, Sons & Co., Inc., Philadelphia, Pa. Linoleum product and making the same. No. 1,228,997; June 5; v. 239; p. 209.
- Wearn, James S., Christchurch, New Zealand. Cream-cooler. No. 1,230,960; June 26; v. 239; p. 989.
- Weasler, Joseph, Campbellsport, Wis. Silo-scaffolding. No. 1,231,823; July 3; v. 240; p. 97.
- Weatherby, Joseph, assignor to Electric Ore Separator Company, New Cumberland, Pa. Method and apparatus for separating magnetic ores. No. 1,218,916; Mar. 13; v. 236; p. 398.
- Weatherhead, Edward H., and T. H. Schutt, assignors to The Bishop-Babcock-Becker Company, Cleveland, Ohio. Mechanism for feeding bottles and similar articles. No. 1,250,256; Dec. 18; v. 245; p. 600.
- Weatherly, William G., Peola, Wash. Pump. No. 1,234,587; July 24; v. 240; p. 1103.
- Weathers, Joseph S., Windsor, Mo. Animal-poke. No. 1,245,842; Nov. 6; v. 244; p. 213.
- Weathersby, Walter W. (See Nelson and McDonal, assignors.)
- Weatherspoon, Benjamin W., Snyder, Okla. Harrow. No. 1,241,064; Sept. 25; v. 242; p. 837.
- Weaver, Bent L., Harrisburg, Pa. Art of molding. No. 1,233,151; July 10; v. 240; p. 566.
- Weaver Company. (See Weaver, Victor M., assignor.)
- Weaver, Cyrenius O., Rockford, Ill. Toaster. No. 1,216,525; Feb. 20; v. 235; p. 809.
- Weaver, David C., assignor of one-half to S. J. Weaver, Salem, Oreg. Guard. No. 1,235,403; July 31; v. 240; p. 1386.
- Weaver, Frederick H., Baltimore, Md. Device for handling sewer-pipe sections. No. 1,222,166; Apr. 10; v. 237; p. 439.
- Weaver, Harold B., New York, N. Y., assignor to Gas-Electric Motorbus Corporation. Motor-omnibus. No. 1,241,795; Oct. 2; v. 243; p. 104.
- Weaver, Harry, York Haven, Pa. Jar-closure. No. 1,250,058; Dec. 11; v. 245; p. 501.
- Weaver, Henry W., Belleview, assignor of one-half to H. R. Ford, Jacksonville, Fla. Water-cooler. No. 1,217,673; Feb. 27; v. 235; p. 1252.
- Weaver, Ira A., Springfield, Ill. Automobile-jack. No. 1,211,373; Jan. 2; v. 234; p. 339.
- Weaver, Ira A., Springfield, assignor, by mesne assignments, to Montgomery Ward & Co., Incorporated, Chicago, Ill. Light-tractor gang-plow. No. 1,238,969; Sept. 4; v. 242; p. 80.
- Weaver, Ira A., assignor to The Weaver Manufacturing Company, Springfield, Ill. Leaf-spring clip. No. 1,250,257; Dec. 18; v. 245; p. 601.
- Weaver, Jesse C., Oakland, Nebr. Detachable shoe for the wheels of self-propelled vehicles. No. 1,213,044; Jan. 16; v. 234; p. 988.
- Weaver, Jesse N. (See Goodwin and Weaver.)
- Weaver Manufacturing Company, The. (See Weaver, Ira A., assignor.)
- Weaver, Marion C., Bushnell, Ill. Tank-heater. No. 1,229,557; June 12; v. 239; p. 449.
- Weaver, Ray S., Monmouth, Ill. Feed-trough. No. 1,242,399; Oct. 9; v. 243; p. 336.
- Weaver, Robert B. (See Alden and Weaver.)
- Weaver, Robert B., Detroit, Mich., assignor, by mesne assignments, to The Anderson Rolled Gear Company, Cleveland, Ohio. Hot-rolling machine. No. 1,241,482; Sept. 25; v. 242; p. 967.
- Weaver, Robert R., assignor to The Ralston Steel Car Company, Columbus, Ohio. Car-underframe. No. 1,247,913; Nov. 27; v. 244; p. 916.
- Weaver, Robert R., assignor to The Ralston Steel Car Company, Columbus, Ohio. Car-underframe. No. 1,247,914; Nov. 27; v. 244; p. 916.
- Weaver, Scott S., Tampa, Fla. Steering mechanism. No. 1,223,913; Apr. 24; v. 237; p. 1121.
- Weaver, Susan J. (See Weaver, David C., assignor.)
- Weaver, Sylvester L. (See Burtis, Alvin G., assignor.)
- Weaver, Talbert G., Lincoln, Ark. Non-sinkable vessel. No. 1,243,646; Oct. 16; v. 243; p. 757.
- Weaver, Victor M., Harrisburg, Pa., assignor to Weaver Company. Winning metals. No. 1,238,604; Aug. 28; v. 241; p. 1092.
- Weaver, Victor M., Harrisburg, Pa., assignor to Weaver Company. Securing elements from their compounds. No. 1,241,796; Oct. 2; v. 243; p. 104.
- Webb, Aaron B., Streator, Ill. Compressed-air engine. No. 1,227,715; May 29; v. 238; p. 1387.
- Webb, Allie B., *et al.* (See Webb, Richard S., Jr., assignor.)
- Webb, Benjamin T., Birmingham, Ala., assignor of one-fourth to L. J. Toole, one-fourth to G. E. Kyser, and one-fourth to A. W. Nelson. Bottle-case. No. 1,240,520; Sept. 18; v. 242; p. 636.
- Webb, Charles J., Russellville, Ark. Bulletin. No. 1,239,324; Sept. 4; v. 242; p. 193.
- Webb & Co., E. L. (See Swem, Lawrence W., assignor.)
- Webb, Ebenezer, *et al.* (See Hicks, James W., assignor.)
- Webb, Edwin W. (See Barber and Webb.)
- Webb, Edwin W., assignor to Standard Car Truck Company, Chicago, Ill. Roller side bearing for cars. No. 1,239,547; Sept. 11; v. 242; p. 292.
- Webb, Edwin W., and C. S. Walton, assignors to Standard Car Truck Company, Chicago, Ill. Car-truck. No. 1,215,086; Feb. 6; v. 235; p. 212.
- Webb, Edwin W., and C. S. Walton, assignors to Standard Car Truck Company, Chicago, Ill. Car-truck. No. 1,235,745; Aug. 7; v. 241; p. 69.
- Webb, Edwin W., and C. S. Walton, assignors to Standard Car Truck Company, Chicago, Ill. Car-truck. No. 1,241,688; Oct. 2; v. 243; p. 70.
- Webb, Ellis, Geneva, N. Y. Adjustable radiator footrest. No. 1,211,260; Jan. 2; v. 234; p. 305.
- Webb, Frank A. (See Webb, Paul E. and F. A.)
- Webb, Frank A., Protection, Kans. Acetylene-gas generator. No. 1,228,998; June 5; v. 239; p. 210.
- Webb, George F., Hamilton, Ontario, Canada. Hydraulic elevator. No. 1,230,547; June 19; v. 239; p. 812.
- Webb, George L., Spencer, N. C. Looking-glass. No. 1,235,173; July 31; v. 240; p. 1317.
- Webb, Harry A., Hamden, Conn. Toy vehicle. No. 1,243,465; Oct. 16; v. 243; p. 701.
- Webb, Hartwell W., Cresskill, N. J. Producing kinetographic films. No. 1,216,026; Feb. 13; v. 235; p. 581.
- Webb, Hartwell W., Cresskill, N. J. Thermo-electric generator. No. 1,234,515; July 24; v. 240; p. 1080.
- Webb, Hartwell W., Cresskill, N. J. Thermo-electric generator. No. 1,242,499; Oct. 9; v. 243; p. 367.
- Webb, Henry C., Bradentown, Fla. Clearing-plow. No. 1,226,425; May 15; v. 238; p. 889.
- Webb, James L., Tioga, Tex., assignor of one-fourth to L. A. Glenn and one-fourth to E. C. and G. O. Hunter, Sherman, Tex. Space-band for line-casting machines. No. 1,210,741; Jan. 2; v. 234; p. 126.
- Webb, James L. G., assignor of one-half to A. Bailey, Goodells, Mich. Metal shoe. No. 1,216,896; Feb. 20; v. 235; p. 935.
- Webb, John G., Richmond, Va. Method and apparatus for electrically reducing refractory substances. No. 1,234,836; July 31; v. 240; p. 1212.
- Webb, Mary G., *et al.* (See Webb, Richard S., Jr., assignor.)
- Webb, Paul E. and F. A., Protection, Kans. Carbide-holder register. No. 1,245,076; Oct. 30; v. 243; p. 1264.
- Webb, Purcell T., Masterton, New Zealand. Opening containers. No. 1,230,961; June 26; v. 239; p. 989.
- Webb, Richard S., Jr., assignor of one-half to A. B. Webb and one-half to M. G. Webb, Lexington, Ky. Hemp-brake. No. 1,211,986; Jan. 9; v. 234; p. 590.
- Webb, Samuel C., Pittsburgh, Pa. Check-lock. No. 1,211,648; Jan. 9; v. 234; p. 468.
- Webb, William. (See Harter, Clarence J., assignor.)
- Webb, William. (See Hosey and Webb.)
- Webb, William E., Jr. (See Church and Webb.)
- Webb, William M., Springfield, Ohio. Check-row device for corn-planters. No. 1,230,353; June 19; v. 239; p. 749.
- Webber, Ezra G., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tubing apparatus. No. 1,245,962; Dec. 4; v. 245; p. 156.
- Webber, Ezra G., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tubing-die. No. 1,248,963; Dec. 4; p. 245; p. 156.
- Webber, Fred M., Joplin, Mo. Pneumatic pitman-balance for swing-jaw rock and ore crushers. No. 1,226,832; May 22; v. 238; p. 1061.
- Webber, Hiram, Grand Rapids, assignor of one-half to W. J. Webber, Detroit, Mich. Adjustable journal-bearing. No. 1,233,426; July 17; v. 240; p. 691.

- Webber, John D., Bayonne, N. J. Laying-out device. No. 1,237,001; Aug. 14; v. 241; p. 507.
- Webber, Loren W., Mitchell, S. D. Button. No. 1,232,633; July 10; v. 240; p. 395.
- Webber, William J. (See Webber, Hiram, assignor.)
- Webber, Charles G., Stamford, Conn. Signaling device. No. 1,234,588; July 24; v. 240; p. 1103.
- Weber, Clifford A. M., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Lubrication system. No. 1,238,367; Aug. 28; v. 241; p. 1016.
- Weber Dental Manufacturing Company, The. (See Weber, Henry E., assignor.)
- Weber Electric Company. (See Weber, John, assignor.)
- Weber, Elmer J., Oconomowoc, Wis. Two-cycle engine. No. 1,210,742; Jan. 2; v. 234; p. 126.
- Weber-Erickson-Bunting Company. (See Erickson, Albert W. assignor.)
- Weber, Ernst F. (See Krausch and Weber.)
- Weber, Ervin, Wilkinsburg, Pa. Stove-lid pliers. No. 1,212,858; Jan. 16; v. 234; p. 923.
- Weber, Eugene R., Rochester, N. Y. Cork-extractor. No. 1,219,510; Mar. 20; v. 236; p. 630.
- Weber, Frank, Chicago, Ill. Reel. No. 1,237,730; Aug. 21; v. 241; p. 778.
- Weber, Friedrich W., Perth Amboy, N. J., assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Manufacturing leather. No. 1,221,929; Apr. 10; v. 237; p. 357.
- Weber, Friedrich W., Perth Amboy, N. J., assignor to The Roessler & Hasslacher Chemical Co., New York, N. Y. Stable product containing hydrogen peroxid and making the same. No. 1,210,570; Jan. 2; v. 234; p. 67.
- Weber, George F., assignor, by mesne assignments, to R. Hoe and Co., New York, N. Y. Stereotype-plate-finishing machine. No. 1,222,912; Apr. 17; v. 237; p. 740.
- Weber, Gustave A. (See Witter, Léon A., assignor.)
- Weber, Harry M., East Orange, N. J., assignor to Ellis-Foster Company. Making sulfuric acid of predetermined strength. No. 1,233,626; July 17; v. 240; p. 759.
- Weber, Harry M., East Orange, N. J., assignor to Ellis-Foster Company. Chewing-gum. No. 1,248,961; Dec. 4; v. 245; p. 156.
- Weber, Henry, Langley, Wash. Boat. No. 1,241,065; Sept. 25; v. 242; p. 837.
- Weber, Henry E., assignor to The Weber Dental Manufacturing Company, Canton, Ohio. Cuspidor. No. 1,233,826; July 17; v. 240; p. 821.
- Weber, Henry E., assignor to The Weber Dental Manufacturing Company, Canton, Ohio. Dental chair. No. 1,238,605; Aug. 28; v. 241; p. 1093.
- Weber, Herman R., assignor to The Economy Furnace Company, Denver, Colo. Shaking-grate for furnaces. No. 1,228,999; June 5; v. 239; p. 210.
- Weber, Isaac N., New York, N. Y. Safety-razor. No. 1,245,646; Nov. 6; v. 244; p. 153.
- Weber, John, assignor to Weber Electric Company, Schenectady, N. Y. Case for incandescent-electric-lamp sockets. No. 1,234,985; July 31; v. 240; p. 1261.
- Weber, Mathias J., Chicago, Ill. Auxiliary air-valve for internal-combustion engines. No. 1,238,368; Aug. 28; v. 241; p. 1016.
- Weber, Mathias J., Chicago, Ill. Weighing-scale. No. 1,249,262; Dec. 4; v. 245; p. 241.
- Weber, Max, Cleveland, Ohio. Hinge contrivance. No. 1,225,699; May 15; v. 238; p. 708.
- Weber, Michael, Kiel, Wis. Device for preventing sagging of gate-posts. No. 1,214,623; Feb. 6; v. 235; p. 49.
- Weber, Paul, New York, N. Y. Artificial eye. No. 1,219,058; Mar. 13; v. 236; p. 445.
- Weber, Peter, Hamilton, Ohio. Clothes-line prop. No. 1,211,261; Jan. 2; v. 234; p. 305.
- Weber, Peter, Orange, assignor to New Jersey Patent Company, West Orange, N. J. Phonograph. No. 1,220,480; Mar. 27; v. 236; p. 1010.
- Weber, Richard F., Sacramento, Cal. Erasing-shield. No. 1,237,979; Aug. 21; v. 241; p. 856.
- Weber, Samuel W., Brooklyn, and L. Horinko, New York, N. Y. Convertible chair. No. 1,210,878; Jan. 2; v. 234; p. 172.
- Weber, Theodore T., assignor to The Ohio Gas Generator & Manufacturing Company, Columbus, Ohio. Gas-generator. No. 1,222,167; Apr. 10; v. 237; p. 439.
- Weber, Tobias, Los Angeles, Cal. Trailer-coupling. No. 1,248,765; Dec. 4; v. 245; p. 100.
- Weber, Walter, Dusseldorf, and F. Noll, Benrath, assignors to Henkel & Cie., Dusseldorf, Germany. Manufacture of sodium percarbonate. No. 1,237,128; Aug. 14; v. 241; p. 548.
- Weber, Wilhelm, Hayingen, Germany. Means for tamping bore-holes charged with blasting compounds. No. 1,218,140; Mar. 6; v. 236; p. 88.
- Weber, Wilhelm, Hayingen, Germany. Blasting-cartridge. No. 1,226,833; May 22; v. 238; p. 1061.
- Webley, Upton A., Elkins, W. Va. Combined sled and go-cart. No. 1,233,735; July 17; v. 240; p. 792.
- Webre, Camille J., New Orleans, La. Implement for cutting belts and punching their ends. No. 1,211,987; Jan. 9; v. 234; p. 590.
- Webster, Arthur T., Peoria, Ill. Bed-pan. No. 1,218,023; Mar. 6; v. 236; p. 47.
- Webster, Bradford, Louisville, Ky., assignor to Webster Loose-Leaf Filing Company. Book. No. 1,233,827; July 17; v. 240; p. 821.
- Webster Company. (See Mitchell, Oliver, assignor.)
- Webster, Edgar P., Bridgeport, Conn. Pencil-sharpening machine. No. 1,223,541; Apr. 24; v. 237; p. 991.
- Webster, Edwin A., Groveland, assignor, by mesne assignments, to Hamel Shoe Machinery Company, Lynn, Mass. Lip-turner. No. 1,219,792; Mar. 20; v. 236; p. 729.
- Webster, Edwin A., Plaistow, N. H., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-splitting machine. No. 1,225,900; May 15; v. 238; p. 708.
- Webster Electric Company. (See Brown, Walter, assignor.)
- Webster Electric Company. (See Geist, Harry F., assignor.)
- Webster Electric Company. (See McCaleb, Albert G., assignor.)
- Webster Electric Company, The. (See Stark, John R., assignor.)
- Webster, Ernest C., assignor of one-half to H. Gruenhagen, Oakland, Cal. Electric water-heater. No. 1,239,325; Sept. 4; v. 242; p. 193.
- Webster, George C., Los Angeles, Cal. Sash-balance. No. 1,248,221; Nov. 27; v. 244; p. 1001.
- Webster, George S., Mason City, Iowa. Railway-track weed-cutter. No. 1,238,855; Sept. 4; v. 242; p. 43.
- Webster, Harry G., Chicago, Ill., assignor, by mesne assignments, to J. R. Garfield, trustee, Cleveland, Ohio. Telephone-exchange system. No. 1,233,940; July 17; v. 240; p. 858.
- Webster, Harry G., Chicago, Ill., assignor, by mesne assignments, to J. R. Garfield, trustee, Cleveland, Ohio. Telephone-exchange system. No. 1,247,353; Nov. 20; v. 244; p. 721.
- Webster, Howard J., Philadelphia, Pa. Steam-boiler. No. 1,225,293; May 8; v. 238; p. 461.
- Webster, John A., assignor to Autosales Gum and Chocolate Company, New York, N. Y. Coin-vending machine, (key). No. 1,218,728; Mar. 13; v. 236; p. 329.
- Webster, John A., Rutherford, N. J., assignor to Autosales Gum and Chocolate Company, New York, N. Y. Multiple-compartment coin-operated vending-machine. No. 1,229,558; June 12; v. 239; p. 449.
- Webster, John L., Ottawa, Ontario, Canada. Fuel-saver and smoke-consumer. No. 1,230,962; June 26; v. 239; p. 989.
- Webster, Lewis E., assignor of one-fifth to W. Bullock, one-fifth to C. M. Helfrich, one-fifth to F. W. Eddy, and two-fifths to J. M. Parry, Wilkes-Barre, Pa. Junction-box coupling for electric-wire conduits. No. 1,245,077; Oct. 30; v. 245; p. 1264.
- Webster, Thomas. (See Madigan and Webster.)
- Webster, Willard M., Los Angeles, Cal. Folding table. No. 1,248,044; Nov. 27; v. 244; p. 950.
- Webster, William A., assignor of one-half to J. Hulse, Galesburg, Ill. Sack-baler. No. 1,223,542; Apr. 24; v. 237; p. 991.
- Webster, William R., assignor to Bridgeport Brass Company, Bridgeport, Conn. Coiling apparatus. No. 1,222,827; Apr. 17; v. 237; p. 712.
- Webster, William R., assignor to Bridgeport Brass Company, Bridgeport, Conn. Apparatus for coiling material. No. 1,229,357; June 12; v. 239; p. 381.
- Webster, Willis C., Dubois, Pa., assignor to Buffalo Air-Brake Company, Phoenix, Ariz. Auxiliary-reservoir-venting device. No. 1,233,427; July 17; v. 240; p. 691.
- Webster, Willis C., Dubois, Pa. Balance-valve. No. 1,237,981; Aug. 21; v. 241; p. 857.
- Webster, Willis C., Dubois, Pa., assignor to Buffalo Air-Brake Company, Buffalo, N. Y. Balance-valve. No. 1,237,980; Aug. 21; v. 241; p. 856.
- Webster, Willis C., Dubois, Pa., assignor to Buffalo Air-Brake Company, Phoenix, Ariz. Straight-air mechanism for air-brakes. No. 1,244,804; Oct. 30; v. 243; p. 1181.
- Webster, Willis C., Dubois, Pa., assignor to Buffalo Air-Brake Company, Buffalo, N. Y. Valve for trapping equalizing reservoir-air independent of brake-valves. No. 1,244,805; Oct. 30; v. 243; p. 1182.
- Webster, Willis C., Dubois, Pa. Excess-brake-cylinder-pressure-control mechanism. No. 1,250,111; Dec. 11; v. 245; p. 517.
- Wecht, Charles L., Logansport, Ind. Bedclothes-holder. No. 1,251,308; Dec. 25; v. 245; p. 962.
- Weckesser, William, Philadelphia, Pa. Insulated reflector. No. 1,248,222; Nov. 27; v. 244; p. 1002.
- Wedburg, John E., Jamestown, N. Y. Hall-stand. No. 1,244,565; Oct. 30; v. 243; p. 1110.
- Weddle, William H., Rainbow, Tex. Harness-rack. No. 1,229,359; June 12; v. 239; p. 381.
- Weder, Hermann, Sr., and C. H. Wolff, Philadelphia, Pa. Diagnostic instrument. No. 1,229,358; June 12; v. 239; p. 381.
- Wedge, Albert G., Iron River, Mich. Tray. No. 1,223,543; Apr. 24; v. 237; p. 991.
- Wedge, Frank, Elysian, Minn. Checking device. No. 1,224,432; May 1; v. 238; p. 116.
- Wedge, Utley. (See Kee and Wedge.)

- Wedge, Uteley, Ardmore, assignor to Electro-Chemical Supply & Engineering Company, Philadelphia, Pa. Water and acid proof cement and making same. No. 1,220,575; Mar. 27; v. 236; p. 1043.
- Wedge, Uteley, Ardmore, Pa. Gas-burner. No. 1,225,381; May 8; v. 238; p. 493.
- Wedge, Uteley, Ardmore, Pa. Leaching apparatus. No. 1,229,839; June 12; v. 239; p. 543.
- Wedge, Uteley, Ardmore, Pa. Metallurgical furnace. No. 1,237,129; Aug. 14; v. 241; p. 548.
- Wedge, William O., Center, Colo. Grapple. No. 1,220,481; Mar. 27; v. 236; p. 1010.
- Wedgwood, Clement W., Roseville, New South Wales, Australia. Indicating apparatus to assist in teaching accurate shooting at a target. No. 1,217,376; Feb. 27; v. 235; p. 1144.
- Weed, Clarence R. (See Plumb and Weed.)
- Weed, Clarence R. (See Plumb, Seymour, and Weed.)
- Weed, Howard W., Stamford, Conn. Motor-cycle stand. No. 1,219,889; Mar. 20; v. 236; p. 762.
- Weed, Howard W., Stamford, Conn. Folding back. No. 1,227,351; May 22; v. 238; p. 1236.
- Weed, Robert L., Stamford, Conn. Music-leaf turner. No. 1,216,897; Feb. 20; v. 235; p. 936.
- Weede, Charles R., Walton, Kans. Garment or shoe fastener. No. 1,218,499; Mar. 6; v. 236; p. 210.
- Weedon, John F., Wilmette, Ill. Paper-feeding attachment for accounting and recording machines. No. 1,216,526; Feb. 20; v. 235; p. 809.
- Weekley, George W., Parkersburg, W. Va. Ticket-holder. No. 1,236,514; Aug. 14; v. 241; p. 348.
- Weeks, Benjamin E., Elmhurst, N. Y. Tube-cutter. No. 1,211,988; Jan. 9; v. 234; p. 590.
- Weeks, Charles M., Springfield, Mass. Punching-bag machine. No. 1,233,005; July 10; v. 240; p. 518.
- Weeks, Frederick H., assignor to The F. H. Weeks Lumber Company, Akron, Ohio. Machine for forming openings in window-stiles. No. 1,240,393; Sept. 18; v. 242; p. 596.
- Weeks, Frederick W., Edgworth, England. Fixation of acid colors on cotton. No. 1,213,045; Jan. 16; v. 234; p. 988.
- Weeks, Harold E., New York, N. Y., assignor to Pyrene Manufacturing Company. Fire-extinguisher. No. 1,238,369; Aug. 28; v. 241; p. 1017.
- Weeks, John P. (See Withrow and Weeks.)
- Weeks, Joseph H., assignor of one-half to J. W. Bryce, Battle Creek, Mich. Means for recording readings of meters. No. 1,242,093; Oct. 2; v. 243; p. 198.
- Weeks, Martin L., Spartanburg, S. C. Single-delivery match-safe. No. 1,241,456; Sept. 25; v. 242; p. 959.
- Weeks, Paul, Los Angeles, C. R. McCollom, Pasadena, and C. O. Haskell, assignors to Centrifugal Machinery Company, Los Angeles, Cal. Centrifugal amalgamator. No. 1,211,019; Jan. 2; v. 234; p. 223.
- Weeks, William C., Union Bay, British Columbia, Canada. Shingle-bundle. No. 1,222,054; Apr. 10; v. 237; p. 398.
- Weesner, Clay, and D. Davis, assignors to Hoosier Manufacturing Company, Newcastle, Ind. Tilting and removable flour-bin. No. 1,243,784; Oct. 23; v. 243; p. 836.
- Wege, Ernest F. and H., La Crosse, Wis. Driving means for cement-mixers. No. 1,212,593; Jan. 16; v. 234; p. 830.
- Wege, Henry. (See Wege, Ernest F. and H.)
- Wege, Peter M., assignor to Metal Office Furniture Co., Grand Rapids, Mich. Waste-basket. No. 1,234,516; July 24; v. 240; p. 1081.
- Wegener, Arnold H., Hoboken, N. J., assignor to Roller Lock Nut Company, Inc. Nut-lock. (Reissue.) No. 14,291; Apr. 24; v. 237; p. 1196.
- Wegener, August F., Ridgewood, N. J. Duplicating-machine. No. 1,243,573; Oct. 16; v. 243; p. 734.
- Wegner, August. (See Eldredge, Hervey H., assignor.)
- Wegner, Carl H., G. A. Loeschner, and B. Plowright, assignors to Menasha Cooperage Company, Menasha, Wis. Barrel-chime. No. 1,221,120; Apr. 3; v. 237; p. 41.
- Wegner, Ferdinand M., Brooklyn, N. Y. Machine for un-hairing fur-skins. No. 1,242,400; Oct. 9; v. 243; p. 336.
- Wegner, Fred, Fairport, N. Y., assignor to G. W. Cobb, Montclair, N. J. Bean-snipper. No. 1,229,840; June 12; v. 239; p. 543.
- Wegner, Fred, Fairport, N. Y., and H. Schrader, Indianapolis, Ind., assignors to American Can Company, New York, N. Y. Drier. No. 1,247,045; Nov. 20; v. 244; p. 632.
- Wegner, Fred C., Archer, Nebr. Poultry-perch. No. 1,247,471; Nov. 20; v. 244; p. 754.
- Wegner, Frederick A., Silver Creek, N. Y. Dust-collector. No. 1,245,540; Nov. 6; v. 244; p. 120.
- Wegner, Frederick A., Silver Creek, N. Y. Dust-collector. No. 1,245,541; Nov. 6; v. 244; p. 121.
- Wegner, Gust, Baudette, Minn. Lock. No. 1,242,401; Oct. 9; v. 243; p. 337.
- Wegwart, Herman, assignor to Badger Basket & Veneer Co., Burlington, Wis. Rope-handle-securing staple. No. 1,230,246; June 19; v. 239; p. 713.
- Wehinger, Frederick, assignor to Waterbury Clock Co., Waterbury, Conn. Watch-crystal. No. 1,216,636; Feb. 20; v. 235; p. 849.
- Wehinger, Frederick, assignor to Waterbury Clock Co., Waterbury, Conn. Stem-winding and stem-setting watch. No. 1,226,285; May 15; v. 238; p. 845.
- Wehinger, Frederick, assignor to Waterbury Clock Co., Waterbury, Conn. Stem-winding and stem-setting watch. No. 1,226,286; May 15; v. 238; p. 845.
- Wehmeier, Albert, St. Louis, Mo., assignor to Fore Electrical Mfg. Co. Current-regulator for automobile-light circuits. No. 1,236,796; Aug. 14; v. 241; p. 443.
- Wehmeier, Albert, St. Louis, Mo., assignor to Fore Electrical Mfg. Co. Rectifier. No. 1,247,759; Nov. 27; v. 244; p. 871.
- Wehmiller, Alfred H., St. Louis, Mo., assignor to Barry-Wehmiller Machinery Company. Pasteurizing liquids. No. 1,227,101; May 22; v. 238; p. 1154.
- Wehner, Edward, assignor of one-half to E. V. Chilson, Ann Arbor, Mich. Work-holder. No. 1,234,837; July 31; v. 240; p. 1212.
- Wehner, Georg M., Dresden, Germany. Band-loom. No. 1,248,223; Nov. 27; v. 244; p. 1002.
- Wehner, Lewis, assignor to Pawling and Harnischfeger Company, Milwaukee, Wis. Tamping-machine. No. 1,235,227; Aug. 28; v. 241; p. 970.
- Wehner, Robert K., assignor to Isbell-Porter Company, Newark, N. J. Baking-furnace. No. 1,251,309; Dec. 25; v. 245; p. 962.
- Wehrle, Albert H., Derby, Conn., assignor to W. A. Cook, New York, N. Y. Machine for tinning sheet metal and wire. No. 1,244,931; Oct. 30; v. 243; p. 1221.
- Wehrle Company, The. (See Pickup, George E., assignor.)
- Wehrsen, Alfred, Berlin, Germany. Comb for combing the hair. No. 1,235,404; July 31; v. 240; p. 1386.
- Weibel, Frederick W., Harvard, Ill. Lawn-mower attachment. No. 1,221,930; Apr. 10; v. 237; p. 358.
- Weible, John. (See Beck, Houlihan, and Weible.)
- Weich, Alfons R., Newark, N. J. Toy. No. 1,237,846; Aug. 21; v. 241; p. 814.
- Weichsel, Hans, assignor to Wagner Electric Manufacturing Company, St. Louis, Mo. Alternating-current motor. No. 1,214,980; Feb. 6; v. 235; p. 176.
- Weidemann, Theodore R., Jersey City, assignor to V. V. Roggi, Arlington, N. J. Hand-bag and similar article. No. 1,239,327; Sept. 4; v. 242; p. 194.
- Weidensee, Albert G. (See Hopkins and Weidensee.)
- Weiderer, Arthur K., Chicago, Ill. Dimmer. No. 1,235,620; Aug. 7; v. 241; p. 30.
- Weidlein, Edward R., Thompson, Nev., assignor to Metals Research Company, New York, N. Y. Hydrometallurgical apparatus for the recovery of copper. No. 1,223,454; Apr. 24; v. 237; p. 958.
- Weidlein, Luther E. (See Kling, Fred E., assignor.)
- Weigel, Arnold A., assignor to E. S. Woods, deceased, Chicago, Ill.; A. G. Welch, executor of E. S. Woods, deceased, assignor to A. G. Welch, trustee. Antifriction-bearing. No. 1,221,781; Apr. 3; v. 237; p. 270.
- Weigel, Arnold A., assignor to A. G. Welch, Chicago, Ill., trustee. Antifriction-bearing. No. 1,226,729; May 22; v. 238; p. 1026.
- Weigel, Charles, assignor of one-half to J. A. L. Walman, Minneapolis, Minn. Oculist's testing-frame. No. 1,243,466; Oct. 16; v. 243; p. 702.
- Weigel, Frank P., Flandreau, S. D. Clenched-nail straightener. No. 1,235,084; July 31; v. 240; p. 1291.
- Weigel, John, Boston, Mass. Signal apparatus. No. 1,220,036; Mar. 20; v. 236; p. 813.
- Weigel, Philip A., Riverton, N. J., assignor, by mesne assignments, to Auto Transmission Company. Variable-speed gearing. No. 1,227,985; May 29; v. 238; p. 1480.
- Weigelt, Charles S., Baldwinville, N. Y. Floating axle for automobiles. No. 1,234,241; July 24; v. 240; p. 991.
- Weightman, William A. (See Reifsnnyder and Weightman.)
- Weightman, William A., and C. H. Nitsch, Philadelphia, assignors to Stokes & Smith Company, Summerdale, Pa. Sealed wrapped package. No. 1,249,571; Dec. 11; v. 245; p. 360.
- Weikert, Alvin W., and J. Pettibone, Washington, D. C. Self-locking junction-box coupling. No. 1,215,595; Feb. 13; v. 235; p. 426.
- Weil, Charles L., St. Clair, Mich. Apparatus for indicating the rate of flow of fluids in pipes. No. 1,214,853; Feb. 6; v. 235; p. 127.
- Weil, Charles L., St. Clair, Mich. Dispensing-receptacle. No. 1,243,021; Oct. 16; v. 243; p. 570.
- Weil, Henry, New York, N. Y. Producing lace effects. No. 1,216,637; Feb. 20; v. 235; p. 849.
- Weil, Henry, New York, N. Y. Coin-receptacle. No. 1,243,467; Oct. 16; v. 243; p. 702.
- Weil, Isaac. (See Rigby, Grant W., assignor.)
- Weil, John, Mansfield, Ohio. Swing. No. 1,214,854; Feb. 6; v. 235; p. 128.
- Weil, Julius, Philadelphia, Pa. Garment-fastening. No. 1,226,039; May 15; v. 238; p. 757.
- Weil, Maximilian, New York, N. Y., assignor to Safety Railway Control Company, Inc., trustee. Automatic safety-signal system. No. 1,247,915; Nov. 27; v. 244; p. 916.
- Weil, Milton, New York, N. Y. Attachment for high-speed winders. No. 1,238,606; Aug. 28; v. 241; p. 1093.

- Weil, Milton, New York, N. Y. Manufacture of hosiery and other knit articles from raw silk. No. 1,238,607; Aug. 28; v. 241; p. 1093.
- Weil, Otto. (See Goldschmidt and Weil.)
- Weil, William, Chicago, Ill. Portable telescopic stage structure. No. 1,238,228; Aug. 28; v. 241; p. 971.
- Weiland, Alfred, East Orange, N. J. Fuel-feeding device for internal-combustion engines. No. 1,237,591; Aug. 21; v. 241; p. 733.
- Weiland, Charles, New York, N. Y. Shock-absorber. No. 1,216,191; Feb. 13; v. 235; p. 640.
- Weiland, Charles, New York, N. Y. Tire-holder. No. 1,233,628; July 17; v. 240; p. 759.
- Weiler, Henry, Milwaukee, Wis. Automobile-bumper. No. 1,234,986; July 31; v. 240; p. 1261.
- Weiler, Louis, Baxter, Iowa. Egg-stamping device. No. 1,238,229; Aug. 28; v. 241; p. 971.
- Weiler, Max, Elberfeld, Germany, assignor to Synthetic Patents Co., Inc., New York, N. Y. Blue triphenylmethane dye. No. 1,218,232; Mar. 6; v. 236; p. 120.
- Weiler, Max, Elberfeld, Germany, assignor to Synthetic Patents Co., Inc., New York, N. Y. Violet cotton-dye. No. 1,244,149; Oct. 23; v. 243; p. 945.
- Weiler, Wilhelm, Pankow, and H. Nehlsen, Niederschönhausen, Germany, assignors to General Electric Company. Dynamo-electric machine. No. 1,229,841; June 12; v. 239; p. 544.
- Weimer, Noah C., Grand Junction, Colo. Detachable bridle-binder. No. 1,245,542; Nov. 6; v. 244; p. 121.
- Weinandt, Joseph J., Ayer, N. D. Pressure-gage automobile-wheel. No. 1,216,192; Feb. 13; v. 235; p. 640.
- Weinandt, Joseph J., Ayer, N. D. Fire-escape. No. 1,242,286; Oct. 9; v. 243; p. 300.
- Weinberg, Charles. (See Weinberg, Hyman and C.)
- Weinberg, Frederick, Detroit, Mich. Vacuum feed system. No. 1,229,360; June 12; v. 239; p. 382.
- Weinberg, Frederick, Detroit, Mich. Fuel-feeding apparatus. No. 1,242,287; Oct. 9; v. 243; p. 300.
- Weinberg, Frederick, Detroit, Mich. Vacuum-feed system. No. 1,242,288; Oct. 9; v. 243; p. 301.
- Weinberg, Hyman and C., Brooklyn, N. Y. Safety device for automobiles. No. 1,222,828; Apr. 17; v. 237; p. 713.
- Weinberg, Jacob S., Chicago, Ill. Producing color-card chips. No. 1,232,135; July 3; v. 240; p. 203.
- Weinberg, Joseph, Duluth, Minn. Wheel-tire. No. 1,235,264; July 31; v. 240; p. 1344.
- Weiner, Leo, Akron, Ohio. Toy top. No. 1,242,094; Oct. 2; v. 243; p. 198.
- Weinberg, Louis, Chicago, Ill. Fish-scaler. No. 1,235,085; July 31; v. 240; p. 1291.
- Weinberg, Louis E., assignor to Star Fuse Co., Inc., New York, N. Y. Refillable cartridge-fuse. No. 1,226,151; May 15; v. 238; p. 795.
- Weinberg, Morris, *et al.* (See Weinberg, Samuel, assignor.)
- Weinberg, Nathan, *et al.* (See Weinberg, Samuel, assignor.)
- Weinberg, Samuel, Regan, assignor of one-half to N. Weinberg, Bowdon, and one-half to M. Weinberg, Regan, N. D. Self-propelled sleigh. No. 1,213,715; Jan. 23; v. 234; p. 1253.
- Weiner, Harris, New York, N. Y. Vehicle-wheel. No. 1,235,621; Aug. 7; v. 241; p. 30.
- Weingarten, Oscar, New York, N. Y. Corset-lacing. No. 1,222,700; Apr. 17; v. 237; p. 670.
- Weinhandler, Sampson H., New York, N. Y., and J. S. Simsohn, Philadelphia, Pa. Eliminating salts of the weak sulfur acids from fixed photographic media. No. 1,224,984; May 8; v. 238; p. 356.
- Weinheim, Emil, New York, N. Y. Multistretchable leather substitute. No. 1,242,622; Oct. 9; v. 243; p. 408.
- Weinhold, Arthur, Mackranstätt, near Leipzig, Germany. Automatically-working pond-drainer. No. 1,221,251; Apr. 3; v. 237; p. 88.
- Weinreich, George, St. Louis county, Mo. Driving and steering gear for self-propelled vehicles. No. 1,248,224; Nov. 27; v. 244; p. 1002.
- Weinrich, Oscar L., Burlington, Iowa. Fastening device for heads of barrels. No. 1,246,366; Nov. 13; v. 244; p. 397.
- Weinrich, Oscar L., Burlington, Iowa. Fastening means for barrel-heads. No. 1,246,367; Nov. 13; v. 244; p. 397.
- Weinstein, Leon, St. Louis, Mo. Wear-plate for the soles of shoes and the like. No. 1,245,647; Nov. 6; v. 244; p. 154.
- Weinstein, Saul, Paterson, N. J. Folding box. No. 1,212,429; Jan. 16; v. 234; p. 773.
- Weintraub, Ezechiel, Boston, Mass., assignor to Submarine Signal Company, Portland, Me. Changing resistance in a circuit and apparatus therefor. No. 1,244,150; Oct. 23; v. 243; p. 946.
- Weir, David, Hartford, Conn. Chuck. No. 1,225,089; May 8; v. 238; p. 392.
- Weir, David H., Omaha, Nebr. Antiskid device for wheel-tires. No. 1,241,066; Sept. 25; v. 242; p. 837.
- Weir Frog Company, The. (See Goldsmith, Nathaniel O., assignor.)
- Weir, Harold A., Willis, Kans. Scale. No. 1,244,930; Oct. 30; v. 243; p. 1220.
- Weir Stove Company. (See Anthony, Joseph L., assignor.)
- Weiss, Albert H. (See Weiss, John P. and A. H.)
- Weiss, Albert H., Nyack, assignor to L. N. Littauer, Gloversville, N. Y. Renewable throat-plate for sewing-machines. No. 1,230,354; June 19; v. 239; p. 749.
- Weiss, Harry C., and H. A. Consor, assignor to The Weiss Manufacturing Company, Monroe, Mich. Tray-holder. No. 1,240,908; Sept. 25; v. 242; p. 789.
- Weiss, John P. (See Krug, Weiss, and Robbins.)
- Weiss, John P., Nyack, assignor to L. N. Littauer, Gloversville, N. Y. Trimming mechanism for sewing-machines. No. 1,221,252; Apr. 3; v. 237; p. 88.
- Weiss, John P., Nyack, assignor to L. N. Littauer, Gloversville, N. Y. Looper mechanism for sewing-machines. No. 1,221,253; Apr. 3; v. 237; p. 89.
- Weiss, John P., Nyack, assignor to L. N. Littauer, Gloversville, N. Y. Sewing-machine. No. 1,221,254; Apr. 3; v. 237; p. 89.
- Weiss, John P., Nyack, assignor to L. N. Littauer, Gloversville, N. Y. Sewing-machine. No. 1,222,339; Apr. 10; v. 237; p. 500.
- Weiss, John P., Nyack, assignor to L. N. Littauer, Gloversville, N. Y. Strip-feeding method for sewing-machines. No. 1,231,542; June 26; v. 240; p. 1182.
- Weiss, John P., Nyack, assignor to L. N. Littauer, Gloversville, N. Y. Combined top feed and ruffling mechanism for sewing-machines. No. 1,242,402; Oct. 9; v. 243; p. 337.
- Weiss, John P., Nyack, assignor to L. N. Littauer, Gloversville, N. Y. Feed mechanism for sewing-machines. No. 1,242,403; Oct. 9; v. 243; p. 337.
- Weiss, John P., Brooklyn, assignor, by mesne assignments, to L. N. Littauer, Gloversville, N. Y. Feeding mechanism for sewing-machines. No. 1,231,824; July 3; v. 240; p. 98.
- Weiss, John P. and A. H. Nyack, N. Y., assignors to L. N. Littauer, Gloversville, N. Y. Looper mechanism for sewing-machines. No. 1,230,355; June 19; v. 239; p. 749.
- Weiss, Louis. (See Eisenmann, Anton E., assignor.)
- Weiss Manufacturing Company, The. (See Weiss and Consor, assignors.)
- Weiss, W. D. (See Wennerstrom, Carl G., assignor.)
- Weisberg, Andrew C., Brentwood, Pa. Heating-stove. No. 1,246,511; Nov. 13; v. 244; p. 440.
- Weisberg, Edward L., Erie, Pa., assignor to General Electric Company. Muffler. No. 1,246,196; Nov. 13; v. 244; p. 345.
- Weisbrod, Jacob H., assignor to American Car and Foundry Company, St. Louis, Mo. Metallic car-wall construction. No. 1,224,816; May 1; v. 238; p. 249.
- Weisbrod, Jacob H., assignor to American Car and Foundry Company, St. Louis, Mo. Railway-car end construction. No. 1,244,806; Oct. 30; v. 243; p. 1182.
- Weisbrod, Jacob H., assignor to American Car and Foundry Company, St. Louis, Mo. Box-car construction. No. 1,244,807; Oct. 30; v. 243; p. 1183.
- Weisbrod, Jacob H., assignor to American Car and Foundry Company, St. Louis, Mo. Car construction. No. 1,244,808; Oct. 30; v. 243; p. 1183.
- Weisbrod, Jacob H., assignor to American Car and Foundry Company, St. Louis, Mo. Wooden single-sheathed box-car. No. 1,244,809; Oct. 30; v. 243; p. 1184.
- Weischoff, L. (See Buehner, William F. A., assignor.)
- Weise, Archibald E., Chicago, Ill. Leaf-spring spreader. No. 1,234,838; July 31; v. 240; p. 1212.
- Weisel, Moses, Norfolk, Va. Garment. No. 1,238,070; Aug. 21; v. 241; p. 886.
- Weisenborn, George P. A., Fort Worth, Tex. Scarifier and blocker. No. 1,232,740; July 10; v. 240; p. 433.
- Weisgerber, Edwin C., assignor to Equitable Meter Company, Pittsburgh, Pa. Thermal gas-cut-off valve. No. 1,218,729; Mar. 13; v. 236; p. 330.
- Weishaar, Lawrence L., Erie, Pa. Attachment for rockers of chairs. No. 1,233,006; July 10; v. 240; p. 418.
- Weiskotten, W. O. (See Gurley, John W., assignor.)
- Weiss, Adolf, Brooklyn, assignor to E. J. Masbach, New York, N. Y. Roasting apparatus. No. 1,212,859; Jan. 16; v. 234; p. 923.
- Weiss, Albert T., assignor to Yawman & Erbe Manufacturing Company, Rochester, N. Y. Latch for furniture-drawers. No. 1,223,455; Apr. 24; v. 237; p. 958.
- Weiss, Albert T., assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y. Interlocking mechanism for sectional furniture. No. 1,225,294; May 8; v. 238; p. 462.
- Weiss, Alexander, Philadelphia, Pa. Cigar-vending humidor. No. 1,235,862; Aug. 7; v. 241; p. 109.
- Weiss, Alfred H., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Switching device. No. 1,224,517; May 1; v. 238; p. 144.
- Weiss, Alfred H., Wilmette, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Connection-terminal. No. 1,247,916; Nov. 27; v. 244; p. 917.
- Weiss, Arthur J., West Orange, assignor to E. A. McCoy, East Orange, N. J. Concealed fastening for wall-fixtures. No. 1,243,664; Oct. 16; v. 243; p. 762.
- Weiss, Carl W., Brooklyn, N. Y. Air-compressor. No. 1,219,511; Mar. 20; v. 236; p. 630.
- Weiss, Carl W., Brooklyn, N. Y. Internal-combustion engine. No. 1,219,512; Mar. 20; v. 236; p. 631.
- Weiss, Carl W., Brooklyn, N. Y. Air-distributor for internal-combustion engines. No. 1,220,805; Mar. 27; v. 236; p. 1120.

- Weiss, Carl W., Brooklyn, N. Y. Fuel-governor for internal-combustion engines. No. 1,222,055; Apr. 10; Gaz. vol. 237; p. 399.
- Weiss, Carl W., Brooklyn, N. Y. Reversing device for oil-engines. No. 1,228,857; June 5; v. 239; p. 165.
- Weiss, Charles A., Brooklyn, assignor, by mesne assignments, to Mason Steam System, Inc., New York, N. Y. Cloth-steam-sponging device. No. 1,239,991; Sept. 11; v. 242; p. 433.
- Weiss, Cornelius, Brooklyn, N. Y. Holding and guiding attachment for sewing-machines. No. 1,220,303; Mar. 27; v. 236; p. 946.
- Weiss Engine Company. (See Sturges, Clarence B., assignor.)
- Weiss, Georg, Chicago, Ill. Filling-machine. No. 1,224,249; May 1; v. 238; p. 48.
- Weiss, George F., assignor of one-half to F. M. McGowan and R. M. Seeley, Springfield, Ill. Tie-tamping machine. No. 1,231,679; July 3; v. 240; p. 49.
- Weiss, George W., New York, N. Y. Spool-holder for sewing-machines. No. 1,228,623; June 5; v. 239; p. 85.
- Weiss, Louis T., Brooklyn, N. Y. Spindle for the ejectors of linoleum-machines. No. 1,217,248; Feb. 27; v. 235; p. 1100.
- Weiss, Louis T., Brooklyn, assignor to Reliance Ball Bearing Door Hanger Company, New York, N. Y. Device for operating sliding doors. No. 1,217,249; Feb. 27; v. 235; p. 1100.
- Weiss, Louis T., Brooklyn, and A. Chapal, Central Park, N. Y. Unhairing-machine. No. 1,217,377; Feb. 27; v. 235; p. 1144.
- Weiss, Louis T., and H. F. Franklin, Brooklyn, assignors to Reliance Ball Bearing Door Hanger Company, New York, N. Y. Device for opening and closing doors. No. 1,212,296; Jan. 16; v. 234; p. 727.
- Weisse, Faneuil D., New York, N. Y., assignor to Dental Manikin Head Co. Inc. Attachment of dental manikin-heads to the patient's head-rest of dental chairs. No. 1,215,087; Feb. 6; v. 235; p. 213.
- Weissberg, Ernst, Cassel, Germany. High-tension switch. No. 1,225,901; May 15; v. 238; p. 709.
- Weissbrodt, Ernest, Lausanne, Switzerland. Wall. No. 1,241,797; Oct. 2; v. 243; p. 104.
- Weissel, Robert G., Oakland, Cal. Lever-lock. No. 1,235,863; Aug. 7; v. 241; p. 109.
- Weissmann, Frederick W., assignor to The Hill & Griffith Company, Cincinnati, Ohio. Recovering graphitic carbon from graphite scale. No. 1,239,992; Sept. 11; v. 242; p. 433.
- Weissmann, Hermann S., New York, N. Y. Metal bed or crib corner. No. 1,246,512; Nov. 13; v. 244; p. 440.
- Weith, Archie J. (See Redman, Weith, and Brock.)
- Weitting, William W., College Point, assignor to American Hard Rubber Co., New York, N. Y. Centrifugal pump. No. 1,249,572; Dec. 11; v. 245; p. 361.
- Weitman, Solomon F., Live Oak, Fla. Weed-cutter. No. 1,222,701; Apr. 17; v. 237; p. 670.
- Weitzel, Paul R., 2d, Philadelphia, Pa. Watering attachment for flower-pots. No. 1,231,975; July 3; v. 240; p. 146.
- Weitzel, Paul R., 2d, Philadelphia, Pa. Regulator for flower-pot-watering devices. No. 1,231,976; July 3; v. 240; p. 147.
- Weitzman, Louis. (See Berliner and Weitzman.)
- Weitzman, Louis, Toronto, Ontario, Canada. Burglar-alarm. No. 1,230,247; June 19; v. 239; p. 713.
- Welander, Oscar E. W., Balaton, Minn. Nut-lock. No. 1,228,624; June 5; v. 239; p. 85.
- Welch, Albert C., executor and trustee. (See Woods, Edwin S.)
- Welch, Albert G., executor and trustee. (See Weigel, Arnold A.)
- Welch, Albert G., trustee. (See Perry, Hubert M., assignor.)
- Welch, Albert G., trustee. (See Weigel, Arnold A., assignor.)
- Welch, Allie R., deceased, Pontiac, Mich.; M. E. Welch, administratrix. Tractor. No. 1,238,702; Aug. 28; v. 241; p. 1121.
- Welch Company, The. (See Fletcher, Elmer, assignor.)
- Welch, Delbert, Zenda, Kans. Spark-arrester. No. 1,237,130; Aug. 14; v. 241; p. 548.
- Welch, Edward J., Fitchburg, Mass. Spring suspension for automobile-trucks. No. 1,213,314; Jan. 23; v. 234; p. 1116.
- Welch, Ellsworth G., insane, Chardon, Ohio; R. J. and F. L. Welch, guardians. Roofing-sheet. No. 1,251,310; Dec. 25; v. 245; p. 963.
- Welch, Frank H., Altus, Okla. Horse-collar protector. No. 1,216,898; Feb. 20; v. 235; p. 936.
- Welch, Frank H., Altus, Okla. Weaning-muzzle. No. 1,234,839; July 31; v. 240; p. 1212.
- Welch, Frank L., et al., guardians. (See Welch, Ellsworth G.)
- Welch, Fred S., Pontiac, Mich. Pressure-generating device. No. 1,218,233; Mar. 6; v. 236; p. 121.
- Welch, Fred S., assignor to Pontiac Tractor Company, Pontiac, Mich. Spraying-pump. No. 1,241,178; Sept. 25; v. 242; p. 872.
- Welch, George S., Chicago, Ill. Disappearing bed. No. 1,236,515; Aug. 14; v. 241; p. 349.
- Welch, Herman L., Los Angeles, Cal. Air-gun. No. 1,214,398; Jan. 30; v. 234; p. 1519.
- Welch, Homer G., Philadelphia, Pa. Manufacturing reinforced inner tubes of pneumatic tires and mandrels therefor. No. 1,237,131; Aug. 14; v. 241; p. 549.
- Welch, Horace H., Chicago, Ill. Alarm device. No. 1,232,444; July 3; v. 240; p. 300.
- Welch, Horace H., Chicago, Ill. Power-indicator for vehicles. No. 1,240,273; Sept. 18; v. 242; p. 558.
- Welch, Horace T., Quebec, Quebec, Canada. Toy warship. No. 1,213,046; Jan. 16; v. 234; p. 988.
- Welch, James F., Cotati, Cal. Vehicle-spring. No. 1,214,246; Jan. 30; v. 234; p. 1465.
- Welch, John M., Albany, N. Y. Razor-blade sharpener. No. 1,215,893; Feb. 13; v. 235; p. 532.
- Welch, Levi P., Seattle, Wash. Brake-locking device. No. 1,232,872; July 10; v. 240; p. 476.
- Welch, Mary E., et al. (See Trosien, Charles G., assignor.)
- Welch, Mary E., administratrix. (See Welch, Allie R.)
- Welch, Roy J., et al., guardians. (See Welch, Ellsworth G.)
- Welch, Samuel J., Troy, Pa. Dirigible lamp. No. 1,247,188; Nov. 20; v. 244; p. 674.
- Welch, Samuel J., Troy, Pa. Dirigible-lamp construction. No. 1,247,189; Nov. 20; v. 244; p. 674.
- Welch, Thomas J., Delphos, Ohio. Automobile turn-table. No. 1,249,263; Dec. 4; v. 245; p. 242.
- Welch, Walter F., Jamaica, N. Y. Mowing-machine. No. 1,229,000; June 5; v. 239; p. 210.
- Welchel, Herbert E. (See Schaf and Munk, assignors.)
- Welcker, Rudolph. (See Okhuizen, Dirk, assignor.)
- Welcome, Florence E., Woodstock, Ill. Broom-hanging device. No. 1,246,197; Nov. 13; v. 244; p. 345.
- Weld, George A., Winchester, Mass. Motor-fluid governor. No. 1,245,648; Nov. 6; v. 244; p. 154.
- Weld, Herbert W., Chicago, Ill. Ornamental sheet-glass. No. 1,220,576; Mar. 27; v. 236; p. 1043.
- Weldon, Edward, Cincinnati, Iowa. Automatically-adjustable vehicle-lamp. No. 1,248,964; Dec. 4; v. 245; p. 156.
- Weldon, George B., and F. B. Rambo, Pittsburgh, Pa. Pliers. No. 1,216,527; Feb. 20; v. 235; p. 809.
- Weldon, John H., Comanche, Okla. Chicken-roost. No. 1,232,136; July 3; v. 240; p. 204.
- Welfel, George H. (See Tyler, George S., assignor.)
- Welfens, Emile J., Didsbury, assignor to Hans Renold Limited, Manchester, England. Belt-gearing attachment for roller-shafts. No. 1,220,304; Mar. 27; v. 236; p. 947.
- Wellin Marine Equipment Company. (See Broady, Harry W., assignor.)
- Welker, Charles A., New York, N. Y. Hose-coupling. No. 1,244,666; Oct. 30; v. 243; p. 1140.
- Welker, Frank E., Beaver Creek, Minn. Spark-plug. No. 1,249,573; Dec. 11; v. 245; p. 361.
- Welker, Leonard, New Holstein, Wis. Gate. No. 1,214,100; Jan. 30; v. 234; p. 1415.
- Well, Hugo C., New York, N. Y. Carbureter. No. 1,216,027; Feb. 13; v. 235; p. 581.
- Well, Hugo C., New York, N. Y. Internal-combustion engine. No. 1,221,121; Apr. 3; v. 237; p. 41.
- Well, Hugo C., assignor of fifty one-hundredths to F. A. B. Meinhardt, New York, N. Y. Internal-combustion engine. No. 1,211,509; Jan. 9; v. 234; p. 421.
- Well, Hugo C., assignor of one-half to F. A. B. Meinhardt, New York, N. Y. Internal-combustion engine. No. 1,213,315; Jan. 23; v. 234; p. 1117.
- Well, Hugo C., assignor of fifty one-hundredths to F. A. B. Meinhardt, New York, N. Y. Valve mechanism for internal-combustion engines. No. 1,213,316; Jan. 23; v. 234; p. 1117.
- Well, Hugo C., assignor of forty one-hundredths to F. A. B. Meinhardt, New York, N. Y. Rotary internal-combustion engine. No. 1,229,001; June 5; v. 239; p. 211.
- Wellen, Frank, assignor of one-half to G. Krogel, Paterson, N. J. Push-coat-sleeve-steaming device. No. 1,241,689; Oct. 2; v. 243; p. 70.
- Wellendorf, Frank H., assignor of one-half to G. M. Townsend, Murdo, S. D. Rail-joint. No. 1,237,982; Aug. 21; v. 241; p. 857.
- Weller, Martin, Waitsburg, Wash. Rotary brush. No. 1,231,825; July 3; v. 240; p. 98.
- Weller, Robert C., Chicago, Ill., P. D. Naugle and S. T. Hyde, Bremerton, Wash. Trucking system. No. 1,213,317; Jan. 23; v. 234; p. 1118.
- Weller, William R., Millstone, Md. Wrench. No. 1,215,227; Feb. 6; v. 235; p. 260.
- Welles, Richard H., assignor to The Badger Brass Mfg. Co., Kenosha, Wis. Connector-socket for electric lamps or the like. No. 1,221,255; Apr. 3; v. 237; p. 90.
- Wellhausen, Bella, Amite, La. Tatting-shuttle winder. No. 1,250,399; Dec. 18; v. 245; p. 642.
- Welling, Alvin, Covington, Ky. Bottling-machine. No. 1,232,137; July 3; v. 240; p. 204.
- Wellington, James A., assignor of one-half to C. R. Walker, Ensley, Ala. Garment-hanger. No. 1,220,382; Mar. 27; v. 236; p. 975.
- Wellington, James W., Jackson, Mich. Auxiliary constant-fuel-supply apparatus for automobiles. No. 1,244,667; Oct. 30; v. 243; p. 1140.
- Wellington, Stephen N., London, England. Apparatus for discharging coke. No. 1,229,691; June 12; v. 239; p. 494.

Alphabetical list of patentees—Continued.

- Wellington, Stephen N., assignor to Coalite Limited, London, England. Furnace-setting for the destructive distillation of coal or other carbonaceous substances. No. 1,234,517; July 24; v. 240; p. 1081.
- Wellman, Frank E., Kansas City, Kans., assignor to The Kansas City Gasoline Company, Kansas City, Mo. Still or retort. No. 1,245,291; Nov. 6; v. 244; p. 45.
- Wellman, Harvey P., Oakland, Cal. Numerating and recording machine. No. 1,214,399; Jan. 30; v. 234; p. 1519.
- Wellman, Harvey P., Oakland, Cal. Can-filling apparatus. No. 1,219,205; Mar. 13; v. 236; p. 494.
- Wellman, Seth A., Mason City, Iowa. Machine for tying valve-sacks. No. 1,229,361; June 12; v. 239; p. 382.
- Wells, Alfred A. (See Ellis and Wells.)
- Wells, Alfred A., Montclair, N. J., assignor to Ellis-Foster Company. Decomposing oil. No. 1,232,454; July 3; v. 240; p. 303.
- Wells, Alfred A., Montclair, N. J., assignor, by mesne assignments, to National Carbon Company, Long Island City, N. Y. Higher-oxid-of-manganese depolarizer. No. 1,232,873; July 10; v. 240; p. 476.
- Wells, Alfred A., Montclair, N. J., assignor to Ellis-Foster Company. Process of and apparatus for decomposing hydrocarbon oils. No. 1,248,225; Nov. 27; v. 244; p. 1003.
- Wells, Alfred A., Caldwell, N. J., assignor to Ellis-Foster Company. Vulcanized cumaron-rubber product and making same. No. 1,248,226; Nov. 27; v. 244; p. 1003.
- Wells, Alfred, Vega, S. D. Sleigh-runner attachment. No. 1,250,739; Dec. 18; v. 245; p. 744.
- Wells, Alvin. (See Clark, Edward W., assignor.)
- Wells, Arthur C., Amityville, N. Y. Transmission-gear. No. 1,214,855; Feb. 6; v. 235; p. 128.
- Wells, Byron B., and L. W. Lapp, Columbus, Ohio; said Lapp assignor to said Wells. Controlling mechanism for automobiles. No. 1,221,122; Apr. 3; v. 237; p. 41.
- Wells, Chalmers P., assignor to Sundh Electric Company, New York, N. Y. Remote-control electrical apparatus. No. 1,246,628; Nov. 13; v. 244; p. 476.
- Wells, Chalmers P., assignor to Sundh Electric Company, New York, N. Y. Remote-control for electric motors. No. 1,246,687; Nov. 13; v. 244; p. 492.
- Wells, Chipman J., assignor of one-half to S. L. De Land, Long Beach, Cal. Extension car-step. No. 1,228,271; May 29; v. 238; p. 1571.
- Wells, Clarence C., Fort Worth, Tex. Composition of matter for the welding and soldering of articles constructed of aluminum. No. 1,239,854; Sept. 11; v. 242; p. 392.
- Wells, Frank O., assignor of one-half to W. H. Lassing, U. S. Navy. Incinerator. No. 1,232,138; July 3; v. 240; p. 204.
- Wells, Frederick B., Stevenage, England. Sheaf-binder harvesting-machine. No. 1,243,365; Oct. 16; v. 243; p. 673.
- Wells, George T., Providence, R. I. Dust-pan. No. 1,225,540; May 8; v. 238; p. 544.
- Wells, George W., assignor of one-half to Walker-Wells Company, Amesbury, Mass. Door-latch. No. 1,242,749; Oct. 9; v. 243; p. 447.
- Wells, George W., assignor of one-half to Walker-Wells Company, Amesbury, Mass. Door latch and lock. No. 1,242,750; Oct. 9; v. 243; p. 448.
- Wells, Harvey H., Chicago, Ill. Package. No. 1,216,638; Feb. 20; v. 235; p. 849.
- Wells, Hewitt L., Washington, D. C. Reinforced concrete construction. No. 1,220,915; Mar. 27; v. 236; p. 1156.
- Wells, Hewitt L., Washington, D. C. Form for concrete construction. No. 1,220,916; Mar. 27; v. 236; p. 1156.
- Wells, James B., Longview, Tex. Potato-curing apparatus. No. 1,225,382; May 8; v. 238; p. 493.
- Wells, Joel C., Southbridge, Mass. Ophthalmic mounting. No. 1,225,689; May 8; v. 238; p. 595.
- Wells, Joel C., Southbridge, Mass. Uniting materials. No. 1,230,548; June 19; v. 239; p. 813.
- Wells, Joel C., Southbridge, Mass. Spectacles. No. 1,241,690; Oct. 2; v. 243; p. 71.
- Wells, John T., Newport, Ky., assignor to The Edwards Manufacturing Company, Cincinnati, Ohio. Moving-picture-film-printing unit. No. 1,210,743; Jan. 2; v. 234; p. 126.
- Wells, John T., Newport, Ky., assignor to The Edwards Mfg. Company, Cincinnati, Ohio. Film-feed mechanism for moving-picture machines. No. 1,210,744; Jan. 2; v. 234; p. 126.
- Wells, John T., Scottsville, N. Y. Silo. No. 1,236,516; Aug. 14; v. 241; p. 349.
- Wells, Margarette I., Oklahoma, Okla. Cuff for shirts. No. 1,250,400; Dec. 18; v. 245; p. 643.
- Wells, Mary A., Sioux Pass, Mont. Hat. No. 1,234,589; July 24; v. 240; p. 1104.
- Wells, Otto. (See Maxim, Hosen F., assignor.)
- Wells, Perley D., Milo, Me. Baking-pan. No. 1,223,226; Apr. 17; v. 237; p. 847.
- Wells, Ralph J., Dayton, Ohio. Railway-tie. No. 1,218,141; Mar. 6; v. 236; p. 88.
- Wells, Sheldon S., New York, N. Y. Mechanical toy or game. No. 1,222,829; Apr. 17; v. 237; p. 713.
- Wells, William, Doland, S. D. Draft-equalizer. No. 1,212,718; Jan. 16; v. 234; p. 877.
- Wells, William H., Norwich, N. Y., assignor, by mesne assignments, to Dixie House Company. Sectional-building construction. No. 1,236,635; Aug. 14; v. 241; p. 387.
- Wellsandt, Ludwig A., Ritzville, Wash. Container for storing bulk wheat. No. 1,237,002; Aug. 14; v. 241; p. 507.
- Wellsted, William H., Sr., Brampton, Mich. Wheel. No. 1,210,580; Jan. 2; v. 234; p. 70.
- Wells, Willie, Lake Charles, La. Awning-frame. No. 1,248,227; Nov. 27; v. 244; p. 1003.
- Wellsboro Glass Company. (See Ryon, Edward A., assignor.)
- Welsbach Light Company. (See Ewing, Robert E., assignor.)
- Welsbach Light Company. (See Gulbrandsen, Sverre, assignor.) (Reissue.)
- Welsby, Perry A., Sapulpa, Okla. Cable-twisting device. No. 1,211,020; Jan. 2; v. 234; p. 223.
- Welsh, Anna M., Cincinnati, Ohio. Sad-iron handle. No. 1,238,230; Aug. 28; v. 241; p. 971.
- Welsh, Flora, Waterville, Ohio. Bed-pan. No. 1,251,311; Dec. 25; v. 245; p. 963.
- Welsh, Harry H. (See Woods, Perry C., assignor.)
- Welsh, Harry S., New York, N. Y. Collapsible funnel. No. 1,247,354; Nov. 20; v. 244; p. 721.
- Welsh, Jackson H., Hazelton, W. Va. Clutch-pedal. No. 1,216,028; Feb. 13; v. 235; p. 582.
- Welsh, James M., deceased; M. E. K. Welsh, administratrix, assignor to The Spirella Company, Meadville, Pa. Garment-stay. No. 1,213,985; Jan. 30; v. 234; p. 1375.
- Welsh, Joseph A., Dunkirk, N. Y. Combination flush and local-vent fitting. No. 1,211,262; Jan. 2; v. 234; p. 306.
- Welsh, Mary E. K., administratrix. (See Welsh, James M.)
- Welsh, William, Pueblo, Colo. Fire apparatus. No. 1,233,941; July 17; v. 240; p. 859.
- Welshausen, William, Allenhurst, N. J. Heating device for automobile-engines. No. 1,250,059; Dec. 11; v. 245; p. 502.
- Welshausen, William, Allenhurst, N. J. Liquid-fuel burner. No. 1,250,060; Dec. 11; v. 245; p. 502.
- Welte, Carl M., assignor to M. Welte & Sons, Inc., New York, N. Y. Driving and controlling mechanism for music-rolls. No. 1,211,799; Jan. 9; v. 234; p. 521.
- Welte, Edwin, Freiburg, Germany. Pressure-controlling mechanism for automatic musical instruments. No. 1,225,902; May 15; v. 238; p. 709.
- Welly, Albert B., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Threshing-machine. No. 1,210,571; Jan. 2; v. 234; p. 67.
- Welly, William A., Waterloo, Iowa. Fountain-pen. No. 1,212,297; Jan. 16; v. 234; p. 727.
- Welzenbach, George A., Peoria, Ill. Mixing-machine. No. 1,240,274; Sept. 18; v. 242; p. 559.
- Wemp, Ernest E., Pontiac, Mich. Spring suspension for vehicle-bodies. No. 1,211,649; Jan. 9; v. 234; p. 469.
- Wemp, Ernest E., Pontiac, Mich. Removable spring-abutment. No. 1,215,756; Feb. 13; v. 235; p. 482.
- Wemple, George W., and R. H. Benham, Minneapolis, Minn. Desk-chair. No. 1,236,517; Aug. 14; v. 241; p. 350.
- Wenck, Walter M. (See Yogerst and Wenck.)
- Wende, Herman O., Chicago, Ill. Fly-catcher. No. 1,239,148; Sept. 4; v. 242; p. 138.
- Wendel, Charley F., Lakefield, Minn. Adjustable supporting-frame. No. 1,235,405; July 31; v. 240; p. 1386.
- Wendelburg, Alex, assignor to Pittsburgh Electric Tool Company, New York, N. Y. Electric hammer. No. 1,250,401; Dec. 18; v. 245; p. 643.
- Wendelburg, Alex, assignor to Pittsburgh Electric Tool Company, New York, N. Y. Electric-hammer switch. No. 1,250,402; Dec. 18; v. 245; p. 643.
- Wendelken, Albert C., Marietta, Ohio. Sash. No. 1,238,703; Aug. 28; v. 241; p. 1121.
- Wendelken, Albert C., Marietta, Ohio. Sectional-unit building structure. No. 1,238,704; Aug. 28; v. 241; p. 1121.
- Wendelken, Frederick S., Fort Collins, Colo. Sectional concrete structure. No. 1,220,305; Mar. 27; v. 236; p. 947.
- Wendell, Ben J., Hahn, Tex. Grader-blade. No. 1,249,264; Dec. 4; v. 245; p. 242.
- Wendell, Carl A., Joliet, Ill. Drier. No. 1,218,024; Mar. 6; v. 236; p. 47.
- Wendell, Carl A., Joliet, Ill. Tar-burner. No. 1,223,011; Apr. 17; v. 237; p. 775.
- Wendell, Carl A., Joliet, Ill. Automatic sampling device. No. 1,223,544; Apr. 24; v. 237; p. 992.
- Wendell, Carl A., Joliet, Ill. Drier. No. 1,244,007; Oct. 23; v. 243; p. 904.
- Wendell, Clarence W. F., and T. Mortenson, Rochester, N. H. Lamp-chimney and holder. No. 1,246,688; Nov. 13; v. 244; p. 493.
- Wendell, Peter P., Hahn, Tex. Metal chair. No. 1,250,061; Dec. 11; v. 245; p. 502.
- Wendorhold, William, New York, N. Y., assignor to Polychromatic Film Corporation. Intermittent claw-movement. No. 1,246,198; Nov. 13; v. 244; p. 345.
- Wendland, Charles F., Brooklyn, N. Y. Shock and sound arrester. No. 1,240,521; Sept. 18; v. 242; p. 636.

- Wendt, Gustave A., Spokane, Wash. Water-motor. No. 1,211,650; Jan. 9; v. 234; p. 469.
- Wengard, Carl T. (See Johnson, Hans O., assignor.)
- Wenger & Co. (See Medgyes, Charles, assignor.)
- Wengraf, Frederick, Naugatuck, Conn. Non-skid attachment for tires. No. 1,243,022; Oct. 16; v. 243; p. 570.
- Wengraf, Frederick, New York, N. Y. Automatic tension device. No. 1,247,760; Nov. 27; v. 244; p. 872.
- Wennerstrom, Carl G., Valparaiso, assignor of one-half to W. D. Weis, Hammond, Ind. Internal-combustion engine. No. 1,248,771; Dec. 4; v. 245; p. 102.
- Wennhold, Carl, Redmond, Oreg. Refrigerating apparatus. No. 1,250,062; Dec. 11; v. 245; p. 502.
- Wenninghoff, Henry, and J. E. Hughes, Omaha, Nebr. Coasting-sleigh. No. 1,247,046; Nov. 20; v. 244; p. 632.
- Wenrich, Christopher E., Harrisburg, Pa. Railway appliance. No. 1,216,639; Feb. 20; v. 235; p. 849.
- Wensel, Theodor, Joliet, Ill. Producing illustrations. No. 1,217,250; Feb. 27; v. 235; p. 1101.
- Wensinger, Charles F., assignor to The Safe Storm Shield Company, Fremont, Ohio. Wind-shield. No. 1,219,513; Mar. 20; v. 236; p. 631.
- Wentling, William H., Harrisburg, Pa. Automatic train-stop. No. 1,220,482; Mar. 27; v. 236; p. 1011.
- Wentworth, Frank B., and L. F. Clausing, Los Angeles, Cal. Radiator. No. 1,247,917; Nov. 27; v. 244; p. 917.
- Wentworth, John F., Quincy, Mass. Internal-combustion engine. No. 1,225,295; May 8; v. 238; p. 462.
- Wentworth, John F., Rochester, N. H. Locomotive-engine. No. 1,230,248; June 19; v. 239; p. 714.
- Wentworth, Richmond A., Hope, Me. Escapement for chronometers. No. 1,213,716; Jan. 23; v. 234; p. 1254.
- Wentworth, Samuel J., Newport, Ky., assignor to United Shoe Machinery Company, Paterson, N. J. Sole-pressing machine. No. 1,236,636; Aug. 14; v. 241; p. 388.
- Wentz, Orville, Hartford City, Ind. Tank-gage. No. 1,238,231; Aug. 28; v. 241; p. 971.
- Wenyon, John T., assignor of one-half to D. J. Gorman, Philadelphia, Pa. Game. No. 1,216,382; Feb. 20; v. 235; p. 759.
- Wenzel, Henry W., assignor to H. D. Justi & Son, Philadelphia, Pa. Artificial tooth. No. 1,233,152; July 10; v. 240; p. 566.
- Wenzel, Henry W., assignor to H. D. Justi & Son, Philadelphia, Pa. Artificial tooth. No. 1,245,843; Nov. 6; v. 244; p. 213.
- Wenzel, Louis, Elizabeth, N. J. Slide-micrometer. No. 1,230,249; June 19; v. 239; p. 714.
- Wenzel, Louis, Jr., Pittsburgh, Pa. Pneumatic tire. No. 1,248,045; Nov. 27; v. 244; p. 951.
- Wenzel, Martha, Jacksonville, Fla. Cigar and cigarette lighter. No. 1,251,312; Dec. 25; v. 245; p. 963.
- Wenzel, Max, Spremberg, Germany. Piecing warp-threads. No. 1,227,716; May 29; v. 238; p. 1387.
- Wenzel, Stephen, assignor to New Jersey Car Spring & Rubber Co., Jersey City, N. J. Hog-beater belt. No. 1,213,717; Jan. 23; v. 234; p. 1254.
- Wenzel, Wallace, Holyoke, Mass. Truss. No. 1,223,751; Apr. 24; v. 237; p. 1065.
- Wenzelmann, Gustave. (See Elliott, Alexander D., assignor.)
- Wenzelmann, Gustave, and W. H. Harrison, Galesburg, Ill.; said Harrison assignor to said Wenzelmann. Animal-oiling device. No. 1,235,265; July 31; v. 240; p. 1345.
- Wenzelmann Mfg. Co. et al. (See Evans, Walter P., assignor.)
- Wepplo, Peter J., Franklin, Minn. Trailer for vehicles. No. 1,213,440; Jan. 23; v. 234; p. 1159.
- Werbeck, Walter G., Chicago, Ill. Means for protecting water-gage tubes of steam-boilers. No. 1,213,986; Jan. 30; v. 234; p. 1375.
- Werbeck, Walter G., Chicago, Ill. Water-gage protector for steam-boilers. No. 1,223,456; Apr. 24; v. 237; p. 958.
- Werda, Joel E., New York, N. Y. Printing the Assyrian language. No. 1,240,633; Sept. 18; v. 242; p. 669.
- Werham, George E. H. (See Milano, Silvestro, assignor.)
- Werking, Joshua H. (See Blickenstaff and Werking.)
- Werley, William H. (See Snyder, Thomas R., assignor.)
- Werm, Elizabeth, Swoyersville, Pa. Hosiery. No. 1,213,047; Jan. 16; v. 234; p. 988.
- Werner, Benjamin H., assignor to Universal Marking Device Company, Casper, Wyo. Marking device. No. 1,237,983; Aug. 21; v. 241; p. 857.
- Werner, Edwin A., New York, N. Y. Pan-greasing device. No. 1,242,404; Oct. 9; v. 243; p. 338.
- Werner, Ernest E., Indianapolis, Ind. Treating cereals and cereal products. No. 1,222,830; Apr. 17; v. 237; p. 713.
- Werner, George E., Los Angeles, Cal. Electric lamp. No. 1,249,574; Dec. 11; v. 245; p. 361.
- Werner, Henry. (See Reichel and Werner.)
- Werner, Hermann, Geneva, Switzerland. Shaving device. No. 1,241,798; Oct. 2; v. 243; p. 105.
- Werner, John A., assignor to The National Cash Register Company, Dayton, Ohio. Accounting-machine. No. 1,233,528; July 17; v. 240; p. 725.
- Werner, Martin. (See Haupt and Werner.)
- Werner, Paul H., Newark, N. J. Needle-threading attachment for sewing-machines. No. 1,246,199; Nov. 13; v. 244; p. 346.
- Werner & Pfeleiderer Co. (See Reese, Louis C., assignor.)
- Werner & Pfeleiderer Co. Inc. (See Wild, Anton, assignor.)
- Werner, Thomas O., Bangor, Pa. Change-speed gearing. No. 1,247,190; Nov. 20; v. 244; p. 674.
- Werner, Victor G. (See Thörnblad, Warfvinge, and Werner.)
- Werner, Victor G., and K. H. Warfvinge, Stockholm, Sweden. Inductive wireless telephone system for railways and the like. No. 1,242,877; Oct. 9; v. 243; p. 489.
- Wernery, Lester A., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,214,733; Feb. 6; v. 235; p. 88.
- Wernery, Lester A., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,220,148; Mar. 20; v. 236; p. 857.
- Wernery, Lester A., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Type-writing machine. No. 1,229,559; June 12; v. 239; p. 450.
- West, Johannes J., Arnhem, assignor to Naamlooze Vennootschap Neo-Cellulose Maatschappij, Rotterdam, Netherlands. Separating impurities from waste fibrous material. No. 1,249,575; Dec. 11; v. 245; p. 361.
- Wert, Cyrus S., Kendallville, Ind. Block-machine. No. 1,239,326; Sept. 4; v. 242; p. 194.
- Wertheimer, Sydney, London, England. Carburetor for internal-combustion engines. No. 1,228,272; May 29; v. 238; p. 1572.
- Werten, John S., Cokedale, Colo. Transmission apparatus. No. 1,217,674; Feb. 27; v. 235; p. 1252.
- Wertman, Ambrose F., Hummelstown, Pa. Edge-trimmer. No. 1,231,464; June 26; v. 239; p. 1159.
- Werts, Clifton E. and W. G. Russell, Iowa. Grading-machine. No. 1,235,086; July 31; v. 240; p. 1291.
- Werts, Le Roy, Milford, Mo. Priming attachment for internal-combustion engines. No. 1,221,782; Apr. 3; v. 237; p. 270.
- Werts, Walter G. (See Werts, Clifton E. and W. G.)
- Werzner, Edward H., assignor to Schroeder Headlight Co., Inc., Evansville, Ind. Steam-turbine valve. No. 1,241,316; Sept. 25; v. 242; p. 918.
- Wesche, Louis F., Webb, Iowa. Flag-holder. No. 1,251,147; Dec. 25; v. 245; p. 914.
- Wescott Banker Signal Co., The. (See Wescott, Fred A., assignor.)
- Wescott, Edson C. (See Kinz and Wescott.)
- Wescott, Edson C., and H. M. Locke, Sacramento, assignors of one-third to G. C. Robb, Oakland, Cal. Distillate-burner for internal-combustion engines. No. 1,244,151; Oct. 23; v. 243; p. 946.
- Wescott, Fred A., Corning, N. Y., assignor to The Wescott Banker Signal Co., Inc. Window-cleaning device. No. 1,214,247; Jan. 30; v. 234; p. 1465.
- Wescott, Otis B., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Fruit-washer. No. 1,215,596; Feb. 13; v. 235; p. 427.
- Wescott, Otis B., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Stock food and producing the same. No. 1,215,597; Feb. 13; v. 235; p. 427.
- Wescott, William B., assignor, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Cinematography. No. 1,245,844; Nov. 6; v. 244; p. 213.
- Weser Bros. (See Morano, Domenico, assignor.)
- Weser, John A., New York, N. Y. Piano-player. No. 1,225,196; May 8; v. 238; p. 427.
- Weser, John A., New York, N. Y. Player-piano. No. 1,229,362; June 12; v. 239; p. 383.
- Weser, John A., New York, N. Y. Brake for talking-machines. No. 1,231,826; July 3; v. 240; p. 99.
- Wesley, Eugene M., Tacoma, Wash. Game apparatus. No. 1,240,394; Sept. 18; v. 242; p. 597.
- Wesley, James J., Phoenix, Ariz. Supplemental bottom for cooking utensils. No. 1,222,056; Apr. 10; v. 237; p. 399.
- Wesley Stringfellow. (See Stringfellow, Ira, assignor.)
- Weslow, Charles, Jersey City, N. J. Shooting. No. 1,226,152; May 15; v. 238; p. 795.
- Wesner, George. (See Arbogast and Wesner.)
- Wessel, George B., assignor of one-half to J. H. Luebbert, St. Louis, Mo. Cable-guard. No. 1,221,006; Mar. 27; v. 236; p. 1186.
- Wessel, Karl, St. Paul, Minn. Machine for making ice-cream cones. No. 1,240,909; Sept. 25; v. 242; p. 789.
- Wessel, Karl, assignor to Western Rug Company, Duluth, Minn. Feed-hopper for flax-working machines. No. 1,233,529; July 17; v. 240; p. 725.
- Wessel, Louis, Jr., assignor to American Loose Leaf Manufacturing Company, Chicago, Ill. Order-book and combination page and envelop therefor. No. 1,221,931; Apr. 10; v. 237; p. 358.
- Wessel, Peder, Ljan, near Christiania, Norway. Hot-wire alternating-current limiter. No. 1,214,101; Jan. 30; v. 234; p. 1415.
- Wessels, Thomas C., and W. Kane, Lytton, British Columbia, Canada. Gate. No. 1,225,197; May 8; v. 238; p. 428.
- Wessman, Edwin, New York, N. Y. Washing-machine. No. 1,213,048; Jan. 16; v. 234; p. 988.
- Wesson, Joseph H., Springfield, Mass. Safety device for shotguns. No. 1,249,576; Dec. 11; v. 245; p. 361.
- Wesson, Joseph H., assignor to Smith & Wesson, Springfield, Mass. Loading-pack for revolvers. No. 1,228,505; June 5; v. 239; p. 45.

Alphabetical list of patentees—Continued.

- Wesson, Joseph H., assignor to Smith & Wesson, Springfield, Mass. Pistol-stock. No. 1,228,506; June 5; v. 239; p. 45.
- Wesson, Joseph H., assignor to Smith & Wesson, Springfield, Mass. Cartridge-pack for revolvers. No. 1,231,106; June 26; v. 239; p. 1040.
- West Albany Moulding Sand Co. (See Nelson, William J., assignor.)
- West, Andrew J., Winnipeg, Manitoba, Canada. Electric lamp. No. 1,232,741; July 10; v. 240; p. 433.
- West Boylston Manufacturing Co. (See Ayer, George A., assignor.)
- West Boylston Manufacturing Company. (See Burns, Alfred, assignor.)
- West, Britton, assignor of one-half to C. R. Cooper, Chicago, Ill. Insole. No. 1,219,890; Mar. 20; v. 236; p. 763.
- West, Carl A., Somerville, Mass. Railway-coach. No. 1,231,827; July 3; v. 240; p. 99.
- West, Charles H., Syracuse, N. Y. Power-transmitting device. No. 1,242,289; Oct. 9; v. 243; p. 301.
- West Coast Iron Company, The. (See Lash, Horace W., assignor.)
- West, Daniel P., Amoret, Mo. Roofing-trestle. No. 1,248,238; Nov. 27; v. 244; p. 1003.
- West Disinfecting Company. (See Marcuse, Moses M., assignor.)
- West, Elmer S., Ewing, Ky. Tool. No. 1,212,430; Jan. 16; v. 234; p. 773.
- West, Eva, *et al.* (See Burch, Frederick R., assignor.)
- West, Frank L., Cleveland Heights, Ohio. Connecting and retaining device. No. 1,239,993; Sept. 11; v. 242; p. 434.
- West, Fred. (See Jochum, Alvis, assignor.)
- West, George R., Pittsburgh, Pa. Finishing or polishing glass articles. No. 1,210,572; Jan. 2; v. 234; p. 67.
- West, Joe, *et al.* (See Burch, Frederick R., assignor.)
- West, Leonidas D. (See Slater and West.)
- West, Leonidas D., Denver, Colo. Fume-disseminator. No. 1,229,363; June 12; v. 239; p. 383.
- West, Leonidas D., Denver, Colo. Fuel-saver and smoke-consumer. No. 1,247,761; Nov. 27; v. 244; p. 872.
- West, Leonidas D., and A. I. Carnine, Denver, Colo. Flush-valve. No. 1,231,828; July 3; v. 240; p. 99.
- West, Percy C. H., London, England. Treatment of lead-sulfid ore. No. 1,225,296; May 8; v. 238; p. 462.
- West, Walter A., Elkhorn, Wis. Gum solution for use in ice-cream and making the same. No. 1,216,383; Feb. 20; v. 235; p. 759.
- West, Walter A., Elkhorn, Wis. Paint and making same. No. 1,241,067; Sept. 25; v. 242; p. 838.
- West, William, Hoquiam, Wash. Flooring-clamp. No. 1,242,623; Oct. 9; v. 243; p. 408.
- West, William J. (See Hartsell and West.)
- West, William R., Simla, Colo. Mail-catcher. No. 1,224,433; May 1; v. 238; p. 116.
- Westbrook, Francis A., *et al.* (See Lane, Frederick H., assignor.)
- Westbrook, Frank L., Fish, Ga. Plow. No. 1,230,963; June 26; v. 239; p. 990.
- Westbrook, H. S. (See Stump, Benjamin F., assignor.)
- Westbrook, John M., Atlanta, Ga. Gin-rib. No. 1,237,984; Aug. 21; v. 241; p. 859.
- Westbrook, John M., Atlanta, Ga. Mote-board attachment for cotton-gins. No. 1,237,985; Aug. 21; v. 241; p. 858.
- Westbrooks, Pleasant M., Ashland, Ga. Plow-fastener. No. 1,232,139; July 3; v. 240; p. 205.
- Westbury, William, Okmulgee, Okla. Bait for glass-drawing apparatus. No. 1,243,023; Oct. 16; v. 243; p. 570.
- Westbury, William, Okmulgee, Okla. Glass-drawing apparatus. No. 1,249,868; Dec. 11; v. 245; p. 448.
- Westbury, William, assignor to L. S. Skelton, Okmulgee, Okla. Guard or shield for glass-drawing apparatus. No. 1,225,541; May 8; v. 238; p. 545.
- Westbury, William, assignor to L. S. Skelton, Okmulgee, Okla. Drawing-ring. No. 1,225,542; May 8; v. 238; p. 545.
- Westbury, William, assignor to L. S. Skelton, Okmulgee, Okla. Drawing-pot. No. 1,236,240; Aug. 7; v. 241; p. 230.
- Westbury, William, assignor to L. S. Skelton, Okmulgee, Okla. Apparatus for drawing glass cylinders. No. 1,236,241; Aug. 7; v. 241; p. 230.
- Westby, George C., Ludwig, Nev., assignor to Western Process Company. Electrolytically precipitating metals. No. 1,231,829; July 3; v. 240; p. 100.
- Westby, George C., Ludwig, Nev., assignor to Western Process Company. Treatment of copper ores. No. 1,244,810; Oct. 30; v. 243; p. 1184.
- Westby, George C., Ludwig, Nev., assignor to Western Process Company. Treatment of ores. No. 1,244,811; Oct. 30; v. 243; p. 1184.
- Westby, George C., Ludwig, Nev., assignor to Western Process Company. Evaporator. No. 1,250,258; Dec. 18; v. 245; p. 601.
- Westby, Peder P., Peterborough, Ontario, Canada. Pulp-screen. No. 1,225,198; May 8; v. 238; p. 428.
- Westcott, Allen E., Ilion, N. Y. Stanchion. No. 1,227,227; May 22; v. 238; p. 1196.
- Westcott, Delbert M., and H. M. Vincent, San Luis Obispo, Cal. Folding bed for automobiles. No. 1,226,426; May 15; v. 238; p. 889.
- Westcott, Henry P., Erie, Pa. Self-draining attachment for gas-meters. No. 1,229,842; June 12; v. 239; p. 544.
- Westenfield, William. (See De Vries, Dirk, assignor.)
- Westenfield, William, Corona, S. D. Smoking-pipe. No. 1,245,078; Oct. 30; v. 243; p. 1264.
- Wester, Petrus, Berlin, Germany. Loading-machine for cartridge-belts. No. 1,211,800; Jan. 9; v. 234; p. 521.
- Westerberg, Victor E., Gottenborg, Sweden, assignor, by mesne assignments, to S. K. F. Ball Bearing Company, Hartford, Conn. Ball-cage for ball-bearings. No. 1,211,903; Jan. 9; v. 234; p. 560.
- Westerfield, Don C., Dayton, and E. J. Rogers, Miamisburg, Ohio. Composition for protecting metallic surfaces against corrosion. No. 1,240,395; Sept. 18; v. 242; p. 597.
- Western Cartridge Company. (See Farnham and Olin, assignors.)
- Western Electric Company. (See Adams, Arthur H., assignor.)
- Western Electric Company. (See Adams, Edgar W., assignor.)
- Western Electric Company. (See Adams and Lundell, assignors.)
- Western Electric Company. (See Agnew, Henry D., assignor.)
- Western Electric Company. (See Akin, Allison, assignor.)
- Western Electric Company. (See Allen, Roy M., assignor.)
- Western Electric Company. (See Arnold and Nichols, assignors.)
- Western Electric Company. (See Baldwin, Charles F., assignor.)
- Western Electric Company. (See Baldwin, John F., Jr., assignor.)
- Western Electric Company. (See Bandfield, Harold G., assignor.)
- Western Electric Company. (See Bell, John H., assignor.)
- Western Electric Company. (See Benson, Oscar E., assignor.)
- Western Electric Company. (See Bradbury, Clifford C., assignor.)
- Western Electric Company. (See Bullard, Albert M., assignor.)
- Western Electric Company. (See Carpenter, Warren W., assignor.)
- Western Electric Company. (See Clark, Edgar H., assignor.)
- Western Electric Company. (See Clausen, Henry P., assignor.)
- Western Electric Company. (See Clausen and Goodrum, assignors.)
- Western Electric Company. (See Coon, Leslie E., assignor.)
- Western Electric Company. (See Craft, Edward B., assignor.)
- Western Electric Company. (See Crawford, Gustavus C., assignor.)
- Western Electric Company. (See Danielson, Oscar A., assignor.)
- Western Electric Company. (See Darrah, Harry L., assignor.)
- Western Electric Company. (See Dixon, Amos F., assignor.)
- Western Electric Company. (See Dunham, Bert G., assignor.)
- Western Electric Company. (See Dyson, Alfred H., assignor.)
- Western Electric Company. (See Egerton, Henry C., assignor.)
- Western Electric Company. (See Englund, Carl R., assignor.)
- Western Electric Company. (See Finley, Charles A., assignor.)
- Western Electric Company. (See Fondiller, William, assignor.)
- Western Electric Company. (See Glenn, Howard H., assignor.)
- Western Electric Company. (See Goodrum, Charles, assignor.)
- Western Electric Company. (See Goodrum, Charles L., assignor.)
- Western Electric Company. (See Goodrum and Dobbin, assignors.)
- Western Electric Company. (See Goodrum and Dunham, assignors.)
- Western Electric Company. (See Goodrum and Von Nagy, assignors.)
- Western Electric Company. (See Griffin, James T., assignor.)
- Western Electric Company. (See Hall, John A., assignor.)
- Western Electric Company. (See Harlow, John B., assignor.)
- Western Electric Company. (See Harris, Jonathan W., assignor.)
- Western Electric Company. (See Hartley, Ralph V. L., assignor.)
- Western Electric Company. (See Hathaway, Joseph D., assignor.)
- Western Electric Company. (See Heising, Raymond A., assignor.)
- Western Electric Company. (See Hendrickson, Charles J., assignor.)
- Western Electric Company. (See Hill, Owen E., assignor.)

- Western Electric Company. (See Hill, Ralph N., assignor.)
 Western Electric Company. (See Hinrichsen, Edward E., assignor.)
 Western Electric Company. (See Hinrichsen and Johnson, assignors.)
 Western Electric Company. (See Hosford, William F., assignor.)
 Western Electric Company. (See Johnson, Lewis H., assignor.)
 Western Electric Company. (See Kelsall, George A., assignor.)
 Western Electric Company. (See Kendall, Burton W., assignor.)
 Western Electric Company. (See Kolossváry, Endre, assignor.)
 Western Electric Company. (See Lattig and Goodrum, assignors.)
 Western Electric Company. (See Lowe, Charles W., assignor.)
 Western Electric Company. (See Lowry, Hiter H., assignor.)
 Western Electric Company. (See Lundell, Alben E., assignor.)
 Western Electric Company. (See Lundell and Eddy, assignors.)
 Western Electric Company. (See Lundquist, Frank A., assignor.)
 Western Electric Company. (See Martin, Harold T., assignor.)
 Western Electric Company. (See May, David T., assignor.)
 Western Electric Company. (See McGrath, Maurice K., assignor.)
 Western Electric Company. (See McMurry, Fred R., assignor.)
 Western Electric Company. (See McQuarrie, James L., assignor.)
 Western Electric Company. (See McQuarrie and Lovridge, assignors.)
 Western Electric Company. (See Merritt, Benjamin F., assignor.)
 Western Electric Company. (See Miller, Daniel D., assignor.)
 Western Electric Company. (See Mueller, Emil C. G., assignor.)
 Western Electric Company. (See Nichols, Harold W., assignor.)
 Western Electric Company. (See Nicolson, Alexander M., assignor.)
 Western Electric Company. (See Palmer and Holmes, assignors.)
 Western Electric Company. (See Piper, Henry D., assignor.)
 Western Electric Company. (See Pruessman, Albert, assignor.)
 Western Electric Company. (See Rainey, Paul M., assignor.)
 Western Electric Company. (See Raynsford, Arthur, assignor.)
 Western Electric Company. (See Reeves, Frank N., assignor.)
 Western Electric Company. (See Reeves and Lundell, assignors.)
 Western Electric Company. (See Reynolds, John N., assignor.)
 Western Electric Company. (See Rhoads, Charles S., Jr., assignor.)
 Western Electric Company. (See Roberts, John G., assignor.)
 Western Electric Company. (See Skinner, Benjamin H., assignor.)
 Western Electric Company. (See Smith, William F., assignor.)
 Western Electric Company. (See Smythe, Edwin H., assignor.)
 Western Electric Company. (See Speed, James B., assignor.)
 Western Electric Company. (See Sperry, Arthur B., assignor.)
 Western Electric Company. (See Sultzer, Morton, assignor.)
 Western Electric Company. (See Watkins, Stanley S. A., assignor.)
 Western Electric Company. (See Wilbur, Ray S., assignor.)
 Western Electric Company. (See Williams, Samuel B., Jr., assignor.)
 Western Electric Company. (See Wold, Peter I., assignor.)
 Western Electric Company. (See Wright, Joseph L., assignor.)
 Western Electric Company. (See Young, Frederick V., assignor.)
 Western Electric Company. (See Zwilling, Joseph, assignor.)
 Western Implement Company. (See Neuens, Michael W., assignor.)
 Western Mining & Exploration Company. (See Walling, Herbert B., assignor.)
 Western Pipe and Steel Company of California. (See Sweeney, Morgan L., assignor.)
 Western Precipitation Company. (See Schmidt, Walter A., assignor.)
 Western Process Company. (See Westby, George C., assignor.)
 Western Rug Company. (See Wessel, Earl, assignor.)
 Western Silo Company. (See Rasck, George P., assignor.)
 Western Steel & Iron Works. (See Abendroth, Elmer T., assignor.)
 Western Sugar Refining Company. (See Murray, Warren E., assignor.)
 Western Union Telegraph Company, The. (See Clokey, Allison A., assignor.)
 Western Union Telegraph Company, The. (See Finn, William, assignor.)
 Western Union Telegraph Company, The. (See MacNamara, Patrick T., assignor.)
 Western Union Telegraph Company, The. (See Yorke, George M., assignor.)
 Western Union Telegraph Company, The. (See Yorke and Benjamin, assignors.)
 Western Well Works. (See Bettis, William I., assignor.)
 Western Wheeled Scraper Company. (See Rhodes, Jay B., assignor.)
 Westfall, Frederick C., Oneida, N. Y. Syrup-pump. No. 1,238,232; Aug. 28; v. 241; p. 972.
 Westhaver, Evelyn M., San Diego, Cal. Embroidery-hoop. No. 1,221,123; Apr. 3; v. 237; p. 42.
 Westin, Henry, Smithville, Minn. Sunken-ship indicator. No. 1,211,989; Jan. 9; v. 234; p. 591.
 Westinghouse Air Brake Company, The. (See Brown, Thomas R., assignor.)
 Westinghouse Air Brake Company, The. (See Crittenden, Philip L., assignor.)
 Westinghouse Air Brake Company, The. (See Crittenden and Saunders, assignors.)
 Westinghouse Air Brake Company, The. (See Dewson and Brown, assignors.)
 Westinghouse Air Brake Company, The. (See Doyle and Hedley, assignors.)
 Westinghouse Air Brake Company, The. (See McKerran, Charles A., assignor.)
 Westinghouse Air Brake Company. (See Newell, Edward W., assignor.)
 Westinghouse Air Brake Company, The. (See Parke, Frederick H., assignor.)
 Westinghouse Air Brake Company. (See Turner, Walter V., assignor.)
 Westinghouse Air Brake Company, The. (See Turner and Dewson, assignors.)
 Westinghouse Air Brake Company, The. (See Turner and Donovan, assignors.)
 Westinghouse Air Brake Company, The. (See Woernley, Harry F., assignor.)
 Westinghouse, Air Spring Company, The. (See Liebau, Richard, assignor.)
 Westinghouse, Church, Kerr & Company. (See Chapman, Cloyd M., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Aalborg, Christian, assignor.)
 Westinghouse Electric and Manufacturing Company. (See Aalborg and Hoey, assignors.)
 Westinghouse Electric and Manufacturing Company. (See Abtmeyer and Thornton, assignors.)
 Westinghouse Electric and Manufacturing Company. (See Adams, James L., Jr., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Alden, Vern E., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Armor, James C., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Atherton, Alfred L., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Auel, Carl B., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Austin, Walter M., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Bakken, Andrew H., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Bastian, Arthur J., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Baxter, Harold G., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Beach, Howard L., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Beam and Otto, assignors.)
 Westinghouse Electric and Manufacturing Company. (See Boddie, Clarence A., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Brace, Porter H., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Bradshaw and Mylius, assignors.)
 Westinghouse Electric and Manufacturing Company. (See Brooks, William G., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Broomall and Tidlund, assignors.)
 Westinghouse Electric and Manufacturing Company. (See Brown, Arthur L., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Brown, Harold W., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Brown, James M., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Burns, James A., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Chernyshoff, Alexander, assignor.)

Alphabetical list of patentees—Continued.

- Westinghouse Electric and Manufacturing Company. (See Chubb, Lewis W., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Colby, Ora A., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Conrad, Frank, assignor.)
 Westinghouse Electric and Manufacturing Company. (See Conrad and Nikonow, assignors.)
 Westinghouse Electric and Manufacturing Company. (See Conrad and Wilson, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Cooper, William, assignor.) (Reissue.)
 Westinghouse Electric and Manufacturing Company. (See Copley, Almon W., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Coulson, John, assignor.)
 Westinghouse Electric and Manufacturing Company. (See Covell, Charles W., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Dann, Walter M., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Davis, David C., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Davis, Joseph L., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Dean, John S., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Deutsch, Isidor, assignor.)
 Westinghouse Electric and Manufacturing Company. (See Dinsmore, John L., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Dudley, Adolphus M., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Eaton, George M., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Eby, Earl E., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Eby and Farnsworth, assignors.)
 Westinghouse Electric and Manufacturing Company. (See Edgecomb, Henry R., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Ely, George B., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Farnsworth, Sidney W., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Ferris, Ralph E., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Field, Allan B., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Foot, William H., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Fortescue, Charles L., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Frederick and McCulloch, assignors.)
 Westinghouse Electric & Manufacturing Company. (See Friedlaender, Eugene, assignor.)
 Westinghouse Electric and Manufacturing Company. (See Frost, Leslie E., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Gilbert, Edwin H., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Haeffely, Emil, assignor.)
 Westinghouse Electric and Manufacturing Company. (See Hague, Floyd T., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Hall, Arthur J., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Hall and Riley, assignors.)
 Westinghouse Electric and Manufacturing Company. (See Hanff, Edward A., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Hartenheim, Max, assignor.)
 Westinghouse Electric and Manufacturing Company. (See Harvey, Albert L., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Hayes and Moss, assignors.)
 Westinghouse Electric and Manufacturing Company. (See Hellmund, Rudolf E., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Herr, Herbert T., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Herz, Alfred, assignor.) (Reissue.)
 Westinghouse Electric and Manufacturing Company. (See Hickling, Frederick G., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Hodgkinson, Francis, assignor.)
 Westinghouse Electric and Manufacturing Company. (See Holst, Ole M., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Holt, Frederick B., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Holy, George H. F., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Huey, George W., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Huttar, Alfred, assignor.)
 Westinghouse Electric and Manufacturing Company. (See Jackson, Ray P., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Jackson and Schaake, assignors.)
 Westinghouse Electric and Manufacturing Company. (See James, Henry D., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Jennings, Oliver S., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Johnston, William R., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Jones, Jesse L., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Kando, Kalman von, assignor.)
 Westinghouse Electric and Manufacturing Company, The. (See Kapp, Gisbert, assignor.)
 Westinghouse Electric and Manufacturing Company. (See Kempton, Willard H., assignor.)
 Westinghouse Electric & Manufacturing Company. (See Kicklighter, Charles H., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Kingsbury, Albert, assignor.)
 Westinghouse Electric and Manufacturing Company. (See Krauskopf, George H., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Kuyser, Jan A., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Ladoff, Isador, assignor.)
 Westinghouse Electric and Manufacturing Company. (See Lamme, Benjamin G., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Langley, Jesse R., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Lawrence, Ralph R., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Lehr, Edwin, assignor.)
 Westinghouse Electric and Manufacturing Company. (See Lincoln, Paul M., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Little, George M., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Lum, Walter O., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Mace, Donald H., assignor.)
 Westinghouse Electric and Manufacturing Company. (See MacGahan, Paul, assignor.)
 Westinghouse Electric and Manufacturing Company. (See MacNeill, John B., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Mahoney, Joseph N., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Mahoney and Christman, assignors.)
 Westinghouse Electric and Manufacturing Company. (See Mateer, Jesse E., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Mateer and Woodward, assignors.)
 Westinghouse Electric and Manufacturing Company. (See Mattman, Emil, assignor.)
 Westinghouse Electric and Manufacturing Company. (See McConahay, William M., assignor.)
 Westinghouse Electric and Manufacturing Company. (See McCoy, James P. A., assignor.)
 Westinghouse Electric and Manufacturing Company. (See McCulloch, Leon, assignor.)
 Westinghouse Electric and Manufacturing Company. (See McInerney, Benjamin, assignor.)
 Westinghouse Electric and Manufacturing Company. (See Meyer, Friedrich W., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Miller, Frederick H., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Miller and Boothman, assignors.)
 Westinghouse Electric and Manufacturing Company. (See Mills, Chester B., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Morris, Hurd T., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Mueller, Friedrich, assignor.)
 Westinghouse Electric and Manufacturing Company. (See Mylius, Walter G., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Mylius and La Bar, assignors.)
 Westinghouse Electric and Manufacturing Company. (See Nagel, Harry C., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Nikonow, John P., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Norris, Edson R., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Nottage, Stanley G., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Orr, William C., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Perkins, Laurence M., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Peters, John F., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Pharo and Schaake, assignors.)
 Westinghouse Electric and Manufacturing Company. (See Pyrah, William S., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Randall, Karl C., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Reed, Emerson G., assignor.)
 Westinghouse Electric and Manufacturing Company. (See Renshaw, Clarence, assignor.)
 Westinghouse Electric and Manufacturing Company. (See Riley, Lynn G., assignor.)

- Westinghouse Electric and Manufacturing Company. (See Rose, Edward E., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Rose and Colby, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Rosenberg, Emanuel, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Rowe, Bertrand P., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Schaake, William, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Schaake and Candee, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Schaanning and Stigant, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Scheibe, Harold M., assignor.)
- Westinghouse Electric & Manufacturing Company, The. (See Schmidt, Henry F., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Schoepf, Theodore H., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Schultz, Hjalmar R., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Scott, Charles F., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Shepard, Francis H., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Sieber, Ferdinand, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Siegfried, Robert, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Simmon, Karl A., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Simmon and Birrell, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Simmon and Candee, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Simmon and Hall, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Sipher, Edmund F., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Skinner, Charles E., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Smith, Benjamin H., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Smith, Louis L., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Spooner, Thomas, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Stare, Theodore, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Starker, Charles W., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Stevenson, Wilbur W., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Storer, Norman W., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Storer and Hall, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Stuart, Harve R., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Sykes, Wilfred, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Talley, Randal E., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Taylor, Harold B., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Taylor, Horace V. S., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Thornton, Frank, Jr., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Tidlund, Edwin G., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Tirrill, Allen A., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Todd, Victor H., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Trood, Samuel, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Trood and Chovan, assignors.)
- Westinghouse Electric and Manufacturing Company. (See Varley, Thomas W., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Varney, Theodore, assignor.)
- Westinghouse Electric and Manufacturing Company. (See Weber, Clifford A. M., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Wikander, Ragnar, assignor.)
- Westinghouse Electric & Manufacturing Company. (See Willis, George M., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Wilson, Charles E., assignor.)
- Westinghouse Electric and Manufacturing Company, The. (See Wilson, Joseph B., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Yardley, John L. M., assignor.)
- Westinghouse Electric and Manufacturing Company. (See Zuck, Emerson S., assignor.)
- Westinghouse Gear and Dynamometer Company, The. (See Smith, Louis L., assignor.)
- Westinghouse, Henry H. (See Davis, Isaac H., assignor.)
- Westinghouse, Henry H. (See Dieterich, Ludwig M., assignor.)
- Westinghouse Machine Company, The. (See Herr, Herbert T., assignor.)
- Westinghouse Machine Company, The. (See Johnson, Josiah F., assignor.)
- Westinghouse Machine Company. (See Kandó, Coloman de, assignor.)
- Westinghouse Machine Company, The. (See Kasley, Alexander T., assignor.)
- Westinghouse Machine Company, The. (See London, William J. A., assignor.)
- Westinghouse Machine Company, The. (See MacMurphy, John A., assignor.)
- Westinghouse Machine Company, The. (See O'Neill, James A., assignor.)
- Westinghouse Machine Company, The. (See Ostergren and Lundgren, assignors.)
- Westlake, Albert. (See Bradley, Josiah, assignor.)
- Westlake, Burr F., et al. (See Cox, Eldridge A., assignor.)
- Westlake, Charles T., assignor to Transom Draft Gear Company, St. Louis, Mo. Draw-bar connection. No. 1,212,719; Jan. 16; v. 234; p. 877.
- Westlake, Charles T., assignor to Commonwealth Steel Company, St. Louis, Mo. Locomotive buffer-beam. No. 1,233,153; July 10; v. 240; p. 567.
- Westlake, Charles T., assignor to Flory Carry Iron Company, St. Louis, Mo. Draw-bar carry-iron. No. 1,239,651; Sept. 11; v. 242; p. 325.
- Westlake Machine Company, The. (See Kadow, August, assignor.)
- Westlin, Carl T. (See Brown and Westlin.)
- Westlin, Peter A., Minneapolis, Minn. Dividers. No. 1,250,259; Dec. 18; v. 245; p. 601.
- Westling, Eric H., and C. Andersen; said Westling assignor of one-half to N. W. Stern, San Francisco, Cal. Obtaining molybdenum compounds. No. 1,250,063; Dec. 11; v. 245; p. 503.
- Westman, August J., Monroe, Wash. Nut-lock. No. 1,226,834; May 22; v. 238; p. 1061.
- Westman, Charles, Hinkley, Minn. Foot-rest. No. 1,231,107; June 26; v. 239; p. 1040.
- Westmoreland, Ernest T., Childress, Tex. Packing-ring. No. 1,232,140; July 3; v. 240; p. 205.
- Westness, Louis J., Milwaukee, Wis. Window attachment. No. 1,242,290; Oct. 9; v. 243; p. 302.
- Weston, Arthur H., assignor to The T. H. Symington Company, Baltimore, Md. Underframe-reinforcement. No. 1,234,987; July 31; v. 240; p. 1262.
- Weston, Arthur H., New York, assignor to The T. H. Symington Company, Rochester, N. Y. Draft-rigging. No. 1,234,988; July 31; v. 240; p. 1262.
- Weston, Clarence B., assignor to The Marion Steam Shovel Company, Marion, Ohio. Trench-digging machine. No. 1,247,191; Nov. 20; v. 244; p. 674.
- Weston, David B., Sharon, Mass. Centrifugal separator. No. 1,247,472; Nov. 20; v. 244; p. 754.
- Weston, David B., Sharon, Mass. Centrifugal separator. No. 1,247,473; Nov. 20; v. 244; p. 755.
- Weston, Edward B., Dayton, Ohio. Display-rack. No. 1,225,903; May 15; v. 238; p. 710.
- Weston, Edward F., Elizabeth, assignor to Weston Electrical Instrument Company, Newark, N. J. Binding-post. No. 1,234,840; July 31; v. 240; p. 1213.
- Weston Electrical Instrument Company. (See Romain, Burchard P., assignor.)
- Weston Electrical Instrument Company. (See Weston, Edward F., assignor.)
- Weston, Howard W. (See Neiswender, Aaron, assignor.)
- Weston, Leroy A., Adams, Mass. Device for retaining joint-forming material. No. 1,237,003; Aug. 14; v. 241; p. 508.
- Weston, Milton T., New York, N. Y. Expansion-bolt. No. 1,212,298; Jan. 16; v. 234; p. 727.
- Weston, Milton T., New York, N. Y. Belt-conveyer. No. 1,226,730; May 22; v. 238; p. 1026.
- Westover, Claude O., Jacksonville, Fla. Vehicle-bumper. No. 1,224,817; May 1; v. 238; p. 249.
- Westover, Oscar, U. S. Army. Sanitary bottle-cap. No. 1,237,228; Aug. 14; v. 241; p. 578.
- Westross, Carl, Portland, Me. Fish-hook. No. 1,237,429; Aug. 21; v. 241; p. 682.
- Wetcarbonizing Limited. (See Rigby, Thomas, assignor.)
- Wetcarbonizing Limited. (See Rigby and Andrew, assignors.)
- Wetcarbonizing Limited. (See Testrup and Rigby, assignors.)
- Wetherell, Anson B., Pittsburgh, Pa. Structural system. No. 1,212,720; Jan. 16; v. 234; p. 878.
- Wetherell, Frederick W. (See Prichard and Wetherell.)
- Wetherell, Raymond C., Slough, England. Differential axle. No. 1,241,457; Sept. 25; v. 242; p. 959.
- Wetherell Tag-Stringing Machine Company. (See Whatley, Alfred H., assignor.)
- Wetherill, Richard W., Philadelphia, Pa. Game. No. 1,213,718; Jan. 23; v. 234; p. 1254.
- Wettengel, George A., St. Louis, Mo. Ladle-stopper-operating mechanism. No. 1,212,860; Jan. 16; v. 234; p. 924.
- Wettergren, Addick G., and T. J. Furer, New York, N. Y. Table. No. 1,233,629; July 17; v. 240; p. 759.
- Wettlaufer, William L., Toronto, Ontario, Canada. Brick-press. No. 1,223,457; Apr. 24; v. 237; p. 959.
- Wetton, William. (See Clark, Frank, assignor.)

Alphabetical list of patentees—Continued.

- Wettrich, George S., Highland Park, and E. E. Ammon, Detroit, Mich. Spring-retainer. No. 1,218,730; Mar. 13; v. 236; p. 330.
- Wetzel, Lewis C., assignor, by mesne assignments, to Toledo Scale Company, Toledo, Ohio. Scale. No. 1,213,318; Jan. 23; v. 234; p. 1118.
- Wetzel, Lewis C., Toledo, Ohio, assignor, by mesne assignments, to Toledo Scale Company, Newark, N. J. Weighing-scale. No. 1,213,987; Jan. 30; v. 234; p. 1376.
- Wetzel, Lewis C., Toledo, Ohio, assignor, by mesne assignments, to Toledo Scale Company, Newark, N. J. Weighing-scale. No. 1,218,731; Mar. 13; v. 236; p. 331.
- Wetzel, Lewis C., Toledo, Ohio, assignor, by mesne assignments, to Toledo Scale Company, Newark, N. J. Weighing-scale. No. 1,234,430; July 24; v. 240; p. 1054.
- Wetzel, Lewis C., Toledo, Ohio, assignor to Toledo Scale Company, Newark, N. J. Scale. No. 1,238,370; Aug. 28; v. 241; p. 1017.
- Wetzel, Lewis C., assignor, by mesne assignments, to Toledo Scale Company, Toledo, Ohio. Weighing-scale. No. 1,251,148; Dec. 25; v. 245; p. 915.
- Wetzel, Paul, New Rochelle, N. Y. Means for protecting corns. No. 1,212,861; Jan. 16; v. 234; p. 924.
- Wetzel, Peter A., Oak Park, Ill. Cabinet. No. 1,245,543; Nov. 6; v. 244; p. 122.
- Wetzel, Seltan M., Port Orchard, Wash. Top plate for screw-jacks. No. 1,214,248; Jan. 30; v. 234; p. 1466.
- Wetzel, Theodore, San Francisco, Cal. Oil-burner. No. 1,242,251; Oct. 9; v. 243; p. 302.
- Wetzel, Theodore, Jr., San Francisco, Cal. Feed-box. No. 1,228,727; June 5; v. 239; p. 120.
- Wetzler, Bernhard. (See Henriquez, Alfons von, assignor.)
- Wexler, Arnold, New York, N. Y. Plastic composition. No. 1,241,068; Sept. 25; v. 242; p. 838.
- Wexler, Benjamin, Brooklyn, assignor to The Peelle Company, Brooklyn, N. Y. Bearing member for iron doors. No. 1,237,430; Aug. 21; v. 241; p. 682.
- Wexler, Benjamin, assignor to The Peelle Company, Brooklyn, N. Y. Elevator-door. No. 1,237,431; Aug. 21; v. 241; p. 682.
- Weyand, Lawrence C., *et al.* (See Battenberg, Melvin H., assignor.)
- Weyburn, Lewis A., Chicago, Ill., assignor to The Collis Company, Clinton, Iowa. Camp-grate. No. 1,244,932; Oct. 30; v. 243; p. 1221.
- Weyer, Nick, Lewistown, Minn. Indicating door-lock. No. 1,216,899; Feb. 20; v. 235; p. 936.
- Weyer, Nick, Lewistown, Minn. Trap-nest. No. 1,234,841; July 31; v. 240; p. 1213.
- Weyland, John N., Muncie, Ind. Bag-holding device. No. 1,218,142; Mar. 6; v. 236; p. 89.
- Weymann, Harry W., Philadelphia, Pa. Stringed musical instrument. No. 1,215,598; Feb. 13; v. 235; p. 427.
- Weymouth, Lucius B., Hyde Park, Mass. Machine for applying metallic leaf. No. 1,239,149; Sept. 4; v. 242; p. 138.
- Whaite, Rene. (See Carleton, Charles H., assignor.)
- Whalbe, Jacob M., New York, N. Y. Elevator. No. 1,232,742; July 10; v. 240; p. 434.
- Whalbe, Jacob M., New York, N. Y. Elevator. (Reissue.) No. 14,363; Sept. 18; v. 242; p. 726.
- Whalbe, Jacob M., assignor of one-third to L. Lerner, New York, N. Y. Bed of the foldable type. No. 1,247,192; Nov. 20; v. 244; p. 674.
- Whalen, James D. (See Camfield and Whalen.)
- Whalen, John. (See Banks and Whalen.)
- Whaley, James, Pawtucket, R. I. Internal-combustion engine. No. 1,244,668; Oct. 30; v. 243; p. 1140.
- Whaley, John A., New York, N. Y. Lamp-shade for incandescent lights. No. 1,234,590; July 24; v. 240; p. 1104.
- Whaley, William T., Los Angeles, Cal. Lock-nut. No. 1,235,864; Aug. 7; v. 241; p. 110.
- Whalley, Enoch, Williamansett, Mass. Truck. No. 1,230,250; June 19; v. 239; p. 714.
- Whalley, Enoch, Williamansett, Mass. Truck. No. 1,230,251; June 19; v. 239; p. 715.
- Wharrad Engineering Company, The. (See Wharrad, Lionel A., assignor.)
- Wharrad, Lionel A., assignor to The Wharrad Engineering Company, Limited, Redditch, England. Machine for polishing needles and the like. No. 1,210,745; Jan. 2; v. 234; p. 127.
- Whately, Alfred H., Providence, R. I., assignor to Wetherell Tag-Stringing Machine Company, Fall River, Mass. Tag-tying machine. No. 1,225,090; May 8; v. 238; p. 392.
- Wheale, George, Meadowbrook, Pa. Dust-pan. No. 1,226,153; May 15; v. 238; p. 796.
- Whealen, Frederick F., Jefferson City, Mo. Wall-desk. No. 1,232,874; July 10; v. 240; p. 476.
- Wheary, George H., Racine, Wis. Trunk-locking means. No. 1,212,299; Jan. 16; v. 234; p. 728.
- Wheary, George H., Racine, Wis. Garment-hanger fixture. No. 1,216,384; Feb. 20; v. 235; p. 759.
- Wheary, George H., Racine, Wis. Shoe-box-retaining means. No. 1,216,385; Feb. 20; v. 235; p. 760.
- Wheary, George H., Racine, Wis. Wardrobe-suitcase. No. 1,224,250; May 1; v. 238; p. 48.
- Wheary, George H., Racine, Wis. Wardrobe seat-box. No. 1,230,252; June 19; v. 239; p. 715.
- Wheary, George H., Racine, Wis. Locking-fixture for trunks. No. 1,235,266; July 31; v. 240; p. 1345.
- Wheary, George H., Racine, Wis. Closet-fixture. No. 1,235,267; July 31; v. 240; p. 1345.
- Wheary, George H., Racine, Wis. Corner construction for trunks, boxes, and the like. No. 1,235,948; Aug. 7; v. 241; p. 138.
- Wheary, George H., Racine, Wis. Wardrobe-trunk. No. 1,243,366; Oct. 16; v. 243; p. 673.
- Wheary, George H., Racine, Wis. Clothes-retainer. No. 1,243,785; Oct. 23; v. 243; p. 836.
- Wheat, Lewis M., Lakemont, N. Y. Plow attachment. No. 1,230,964; June 26; v. 239; p. 990.
- Wheatley, Arthur W., *et al.* (See Phillips, George B., assignor.)
- Wheatley, Scott A., La Grande, Oreg. Resilient wheel. No. 1,220,709; Mar. 27; v. 236; p. 1087.
- Wheaton, Abram W., Newark, N. J. Liquid-delivering device. No. 1,230,356; June 19; v. 239; p. 750.
- Wheaton, Harry S., Dallas, Iowa. Combined cut-out and lightning-arrester for telephone systems. No. 1,212,300; Jan. 16; v. 234; p. 728.
- Wheaton, Harry S., Dallas, Iowa. Combined cut-out and lightning-arrester for telephone systems. No. 1,236,024; Aug. 7; v. 241; p. 163.
- Wheeland, Olive B. (See Edwards, Van Every, assignor.)
- Wheeler, Arthur W., Sterling, Ill. Sliding door. No. 1,237,731; Aug. 21; v. 241; p. 779.
- Wheeler Automatic Machine Co. (See Wheeler, Omar A., assignor.)
- Wheeler, David B., Washington, D. C. Blank for negotiable banking instruments. No. 1,225,543; May 8; v. 238; p. 545.
- Wheeler, Earl A., and W. M. Morgan, Bakersfield, Cal. Road-planer. No. 1,236,518; Aug. 14; v. 241; p. 350.
- Wheeler, Earl R., Columbus, Ohio. Motor-driven tractor-cultivator. No. 1,220,383; Mar. 27; v. 236; p. 976.
- Wheeler, Edward A., Valier, Mont. Screen. No. 1,218,344; Mar. 6; v. 236; p. 160.
- Wheeler, Eugene A., Barryton, Mich. Cooking utensil. No. 1,233,736; July 17; v. 240; p. 792.
- Wheeler, Everett, Van Nuys, Cal. Plow. No. 1,231,225; June 26; v. 239; p. 1079.
- Wheeler, Frank G., assignor to Bleach Process Company, Appleton, Wis. Evaporating process and apparatus. No. 1,222,340; Apr. 10; v. 237; p. 500.
- Wheeler, Frank G., assignor to Bleach Process Company, Appleton, Wis. Electrolytic cell. No. 1,236,025; Aug. 7; v. 241; p. 163.
- Wheeler, Fred H., St. Louis, Mo. Support for mosquito-nets. No. 1,210,573; Jan. 2; v. 234; p. 68.
- Wheeler, Fred H., and C. R. Holcomb, Chicago, Ill. Legging. No. 1,220,806; Mar. 27; v. 236; p. 1120.
- Wheeler, Gardner E., assignor to The English & Mersick Co., New Haven, Conn. Metal-bending machine. No. 1,237,732; Aug. 21; v. 241; p. 779.
- Wheeler, Harold S., Tacoma, Wash. Lubrication of bearings. No. 1,212,862; Jan. 16; v. 234; p. 924.
- Wheeler, Harold S., Tacoma, Wash. Paving-block. No. 1,244,008; Oct. 23; v. 243; p. 904.
- Wheeler, Harvey C. (See Moffat, Albert S., assignor.)
- Wheeler, James A. (See Hargrave and Wheeler.)
- Wheeler, James W. (See Black and Wheeler.)
- Wheeler, John L., St. Louis, Mo. Spindle for milling-machines. No. 1,239,855; Sept. 11; v. 242; p. 392.
- Wheeler, John W. (See Catron and Wheeler.)
- Wheeler McDowell Elevator Company. (See McDowell, Lewis J., assignor.)
- Wheeler, Omar A., assignor to Wheeler Automatic Machine Co., Portland, Oreg. Automatic sewing-machine. No. 1,218,500; Mar. 6; v. 236; p. 211.
- Wheeler-Schebler Carburetor Co., The. (See Bessom, Earl A., assignor.)
- Wheeler-Schebler Carburetor Co., The. (See Funk, James B., assignor.)
- Wheeler, Seth, Castleton, N. Y. Dispensing-cabinet. No. 1,211,510; Jan. 9; v. 234; p. 422.
- Wheeler, William I., Scottville, Ill. Speed-changing mechanism. No. 1,245,412; Nov. 6; v. 244; p. 81.
- Wheeler, William J., Patchogue, N. Y. Trip riding-pawl. No. 1,226,731; May 22; v. 238; p. 1027.
- Wheless, William L., Parsons, Kans. Show-case. No. 1,222,702; Apr. 17; v. 237; p. 670.
- Wheelihan, John D. (See Wallace, Edward M., assignor.)
- Wheelihan, Matt, *et al.* (See Curtis, George L., assignor.)
- Wheeling Corrugating Company. (See Day, Edgar K., assignor.)
- Wheeling Corrugating Company. (See Hunker, Martin L., assignor.)
- Wheeling Stamping Company. (See Edwards, Alonzo L., assignor.)
- Wheelock, Carl M., Milwaukee, Wis., assignor to New Process Specialty Company, Bushing for electric tubular insulation. No. 1,236,026; Aug. 7; v. 241; p. 163.
- Wheelock, Carl M., Milwaukee, Wis., assignor to New Process Specialty Company, Bushing for electric tubular insulation. No. 1,236,027; Aug. 7; v. 241; p. 164.
- Wheelock, Edwin M., Winona, Minn. Automatic shock-threshing machine. No. 1,238,970; Sept. 4; v. 242; p. 80.
- Wheelock, Ernest O., Chicago, Ill. Container. No. 1,226,154; May 15; v. 238; p. 796.
- Wheelock, Russell A. (See Smith, Irvin G., assignor.)
- Whelan, Martin J. (See Frank, Gustav, assignor.)

- Whelan, Patrick J., Douglas, Ontario, Canada. Button. No. 1,243,024; Oct. 16; v. 243; p. 570.
- Whelan, Roderick J., Elyria, Ohio. Machine for forming projectile shells. No. 1,218,143; Mar. 6; v. 236; p. 89.
- Whelan, Thomas F., East Orange, assignor to United Shoe Machinery Company, Paterson, N. J. Shoe and making the same. No. 1,238,856; Sept. 4; v. 242; p. 43.
- Wheland Company, The. (See Krebs, Oliver M., assignor.)
- Whelpley, Frederick W., and F. A. Bicknell, Greenfield, Mass. Screw-thread-gaging device. No. 1,223,012; Apr. 17; v. 237; p. 775.
- Whelpley, Richard T. (See Bunnell, Morton G., assignor.)
- Wherry, David G., Los Angeles, Cal. Pump. No. 1,233,467; Aug. 28; v. 241; p. 1048.
- Whetstone, John H. (See Hovey, Cyrus A., assignor.)
- Whigham, William, Pittsburgh, Pa. Dipping mechanism. No. 1,248,766; Dec. 4; v. 245; p. 100.
- Whims, Frank L., Marysville, Cal. Traffic-guide. No. 1,250,064; Dec. 11; v. 245; p. 503.
- Whipple, Charles A. (See Yost, Joseph, assignor.)
- Whipple, Gurth A. (See Ericson, Arthur E., assignor.)
- Whipple, William E. (See Feldkamp, Payson, and Whipple.)
- Whipple, William W. (See Edwards and Whipple.)
- Whirlpool Mixer & Machinery Company. (See Raddatz, Richard, assignor.)
- Whistler, David B. (See Ohmer and Whistler.)
- Whistler, David B., assignor to The American Railways Equipment Company, Dayton, Ohio. Coin and paper-ticket fare-box. No. 1,234,705; July 24; v. 240; p. 1138.
- Whistler, David B., assignor to The American Railways Equipment Company, Dayton, Ohio. Combination fare-box. No. 1,234,706; July 24; v. 240; p. 1138.
- Whistler, David B., assignor to The American Railways Equipment Company, Dayton, Ohio. Coin-ticket-registering fare-box. No. 1,234,707; July 24; v. 240; p. 1138.
- Whistler, George F. (See Bolger, Robert S., assignor.)
- Whistler, Sanford B. (See Devitt and Whistler.)
- Whitacre, Robert B. (See Livingston, George D., assignor.)
- Whitaker, Calvin B., Kansas City, Mo. Combination-tool. No. 1,229,843; June 12; v. 239; p. 544.
- Whitaker, Frank P., Rugby, England, assignor to General Electric Company. Synchronous dynamo-electric machine. No. 1,241,317; Sept. 25; v. 242; p. 918.
- Whitaker-Glessner Company. (See Day, Edgar K., assignor.)
- Whitaker-Glessner Company. (See Hunker, Martin L., assignor.)
- Whitaker-Glessner Company. (See Mosley, Harley C., assignor.)
- Whitaker, Harry R. (See Van Horn, Charles S., assignor.)
- Whitaker, Herbert C., Philadelphia, Pa. Convertible seat and back-rest. No. 1,216,029; Feb. 13; v. 235; p. 582.
- Whitaker, James H. (See Nimphius, Emil, assignor.)
- Whitaker, John, North Wales, Pa. Machine for printing and scarring paper. No. 1,213,049; Jan. 16; v. 234; p. 989.
- Whitaker, John, North Wales, Pa. Printing device. No. 1,232,634; July 10; v. 240; p. 395.
- Whitaker, Louis P. (See Freeman and Whitaker.)
- Whitaker, Milton C., assignor to The Southern Cotton Oil Company, New York, N. Y. Removing nickel from hydrogenized fat or oil. No. 1,242,624; Oct. 9; v. 243; p. 408.
- Whitaker, Norman T., New York, N. Y. Combination game board and pieces. No. 1,221,493; Apr. 3; v. 237; p. 173.
- Whitaker, Samuel T., assignor of one-half to H. C. McCutchen, Columbus, Ga. Sanitary drinking apparatus. No. 1,213,319; Jan. 23; v. 234; p. 1118.
- Whitaker, Samuel T., assignor of one-half to H. C. McCutchen, Columbus, Ga. Sanitary drinking apparatus. No. 1,213,320; Jan. 23; v. 234; p. 1119.
- Whitaker, Samuel T., assignor of fifty-one one-hundredths to R. B. Small, Columbus, Ga. Bottle-closure attachment. No. 1,245,292; Nov. 6; v. 244; p. 45.
- Whitaker, William J., Reeds, Mo. Saw-table and track. No. 1,225,545; May 8; v. 238; p. 546.
- Whitall Tatum Company. (See Brumley, Howard V., assignor.)
- Whitbeck, Neal W., assignor to Michigan Lubricator Company, Detroit, Mich. Valve. No. 1,226,040; May 15; v. 238; p. 757.
- Whitcomb, Beecher D., Shawomet, R. I. Alarm for railway-crossings. No. 1,214,624; Feb. 6; v. 235; p. 50.
- Whitcomb, Charles W., Pottlatch, Idaho. Rail-joint. No. 1,223,227; Apr. 17; v. 237; p. 848.
- Whitcomb, Emory O., assignor to The I. E. Palmer Company, Middletown, Conn. Canopy. No. 1,214,484; Jan. 30; v. 234; p. 1546.
- Whitcomb, George B., Morgan, Oreg. Tractor-engine. No. 1,239,328; Sept. 4; v. 242; p. 195.
- Whitcome, William F., Chicago, Ill. Machine and method for making paper tubes. No. 1,225,091; May 8; v. 238; p. 393.
- White Adding Machine Company, The. (See Wales, Charles, assignor.)
- White, Ambrose H., Brooklyn, N. Y., assignor to International Paper Company. Method of and means for drying paper. No. 1,232,141; July 3; v. 240; p. 205.
- White-American Locomotive Sander Company. (See White, William H., assignor.)
- White, Benjamin F., Rock Island, Ill. Vulcanizing-press. No. 1,234,431; July 24; v. 240; p. 1054.
- White, Bruce C., assignor to R. Hoe and Co., New York, N. Y. Bed-motion for printing-machines. No. 1,214,102; Jan. 30; v. 234; p. 1416.
- White, Bruce C., assignor to R. Hoe and Co., New York, N. Y. Inking mechanism. No. 1,214,856; Feb. 6; v. 235; p. 128.
- White, Bruce C., assignor to R. Hoe and Co., New York, N. Y. Hydraulic press. No. 1,241,691; Oct. 2; v. 243; p. 71.
- White, Burton E. (See De Burger, Ernest E., assignor.)
- White, Carter, London, England. Treatment of mineral oils and residues for the production of lower-boiling hydrocarbons. No. 1,226,041; May 15; v. 238; p. 757.
- White, Charles D., Norwich, Conn. Machine for dyeing yarn. No. 1,215,448; Feb. 13; v. 235; p. 371.
- White, Charles E., Moline, Ill., assignor to Deere & Mansur Company. Disk marker for corn-planters. No. 1,215,599; Feb. 13; v. 235; p. 428.
- White, Charles E., Moline, Ill., assignor to Deere & Mansur Company. Harrow. No. 1,225,904; May 15; v. 238; p. 710.
- White, Charles E., assignor to Deere & Mansur Company. Moline, Ill. Planting mechanism. No. 1,236,028; Aug. 7; v. 241; p. 164.
- White, Charles E., assignor to Deere & Mansur Company. Moline, Ill. Planting mechanism. No. 1,236,519; Aug. 14; v. 241; p. 350.
- White, Charles E., Moline, Ill., assignor to Deere & Mansur Co. Tool-shifting mechanism for agricultural implements. No. 1,247,762; Nov. 27; v. 244; p. 872.
- White, Charles E., Moline, Ill., assignor to Deere & Mansur Co. Seed-planter. No. 1,247,763; Nov. 27; v. 244; p. 873.
- White, Charles E., assignor to Deere & Mansur Company, Moline, Ill. Cultivator. No. 1,247,764; Nov. 27; v. 244; p. 873.
- White, Charles E., assignor to Deere & Mansur Company, Moline, Ill. Disk harrow. No. 1,247,765; Nov. 27; v. 244; p. 873.
- White, Charles J., assignor to The C. J. White Manufacturing Company, New Britain, Conn. Button-tab end for hose-supporters. No. 1,210,574; Jan. 2; v. 234; p. 68.
- White, Charles N., Bisbee, Ariz. Plow-colter. No. 1,216,193; Feb. 13; v. 235; p. 641.
- White, Clarence W., North Bennington, Vt. Child's toy vehicle. No. 1,220,038; Mar. 20; v. 236; p. 813.
- White, Clarence W., Chicago, Ill. Projectile. No. 1,226,732; May 22; v. 238; p. 1027.
- White, Clarence W., Chicago, Ill. Boat or ship construction. No. 1,241,799; Oct. 2; v. 243; p. 105.
- White, Clayton O., Deansboro, N. Y. Staple-extractor. No. 1,241,179; Sept. 25; v. 242; p. 872.
- White, Clifford A. (See Smith and White.)
- White, D'Orsay M., assignor to Cadillac Motor Car Company, Detroit, Mich. Bearing construction. No. 1,244,669; Oct. 30; v. 243; p. 1141.
- White, David E., Winchester, Kans. Ladder-rung. No. 1,218,144; Mar. 6; v. 236; p. 89.
- White, Douglas G., Chicago, Ill. Hand-protector for automobile-drivers. No. 1,251,313; Dec. 25; v. 245; p. 963.
- White, Edgar C., Belmar, N. J. Plant-box. No. 1,239,994; Sept. 11; v. 242; p. 434.
- White, Edwin L., Brooklyn, N. Y. Manufacturing supports for electric-lamp sockets. No. 1,237,847; Aug. 21; v. 241; p. 814.
- White, Edwin L., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Device for suspending light-reflecting bowls. No. 1,223,130; Apr. 17; v. 237; p. 816.
- White, Edwin L., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Hanger-link for suspending light-reflecting bowls. No. 1,233,828; July 17; v. 240; p. 821.
- White, Edwin L., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Socket connection for lighting-fixtures. No. 1,233,829; July 17; v. 240; p. 822.
- White, Ernest C., Evanston, assignor to The Duplex Lighting System, Inc., Chicago, Ill. Lighting-fixture. No. 1,211,651; Jan. 9; v. 234; p. 470.
- White, Ernest M., Detroit, Mich. Lubricating system for internal-combustion engines. No. 1,224,694; May 1; v. 238; p. 206.
- White, Ernest M., Detroit, Mich. Interceptor for crank-cases. No. 1,237,432; Aug. 21; v. 241; p. 683.
- White, Ernest M., Detroit, Mich. Lubrication control for internal-combustion engines. No. 1,238,233; Aug. 28; v. 241; p. 972.
- White, Ernest M., Detroit, Mich. Interceptor for splash-lubrication crank-cases. No. 1,211,589; Oct. 2; v. 243; p. 40.
- White, Ernest V., Chatham, Ontario, Canada. Bottle-cap. No. 1,239,238; Sept. 4; v. 242; p. 167.
- White, Eugene M. (See Nystrum, Conrad E., assignor.)
- White, Floyd G., Los Angeles, and W. J. Barnhart, Maricopa, Cal. Oil-treating device. No. 1,242,292; Oct. 9; v. 243; p. 302.

Alphabetical list of patentees—Continued.

- White, Frank B., and O. W. Nelson, Ellsworth, Wis. Hat-pin protector. No. 1,235,622; Aug. 7; v. 241; p. 31.
- White, Frank C., assignor to The Wilcox & White Company, Meriden, Conn. Pneumatic player mechanism. No. 1,227,510; May 22; v. 238; p. 1288.
- White, Frank C., assignor to The Wilcox & White Company, Meriden, Conn. Pneumatic note-sheet tracking device. No. 1,229,692; June 12; v. 239; p. 494.
- White, Frank C., assignor to The Wilcox & White Company, Meriden, Conn. Note-sheet-receiving spool for pneumatic music-playing instruments. No. 1,234,842; July 31; v. 240; p. 1213.
- White, Frank C., assignor to The Wilcox & White Company, Meriden, Conn. Panel-controller for automatic playing instruments. No. 1,235,526; July 31; v. 240; p. 1424.
- White, Frank C., assignor to The Wilcox & White Company, Meriden, Conn. Music-roll-controlling apparatus. No. 1,236,125; Aug. 7; v. 241; p. 192.
- White, Frank L., Topeka, Kans. Flushing-valve. No. 1,230,634; June 19; v. 239; p. 842.
- White, Frank L., Pittsburgh, Pa. Hot-blast stove. No. 1,249,701; Dec. 11; v. 245; p. 399.
- White, Franklin E., Forty Fort, Pa. Dado-saw. No. 1,228,728; June 5; v. 239; p. 120.
- White, Franklin M., assignor of one-half to J. Atkinson, Toledo, Ohio. Window-ventilator. No. 1,224,818; May 1; v. 238; p. 249.
- White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Button-fastening machine. No. 1,230,965; June 26; v. 239; p. 990.
- White, Fred E., and F. E. Hooper, assignors to Central Oil & Gas Stove Company, Gardner, Mass. Oil-stove. No. 1,240,522; Sept. 18; v. 242; p. 636.
- White, Fred E., and F. E. Hooper, assignors to Central Oil & Gas Stove Company, Gardner, Mass. Oil-stove. No. 1,247,474; Nov. 20; v. 244; p. 756.
- White, Frederick, Brookline, assignor, by mesne assignments, to J. T. Gray, Cambridge, Mass. System and apparatus for treating air. No. 1,223,331; Apr. 17; v. 237; p. 881.
- White, George, assignor to P. Panoulas, Jersey City, N. J. Feeding or conveying mechanism. No. 1,226,932; May 22; v. 238; p. 1094.
- White, George A. (See Epple and White.)
- White, George H., Haverford, Pa. Rectifying apparatus. No. 1,235,746; Aug. 7; v. 241; p. 69.
- White, George H., Greeley, Colo. T-square. No. 1,243,786; Oct. 23; v. 243; p. 836.
- White, George W., Hutchinson, Kans. Combined harvester and threshing attachment. No. 1,244,152; Oct. 23; v. 243; p. 946.
- White, George W., Syracuse, N. Y. Internal-combustion engine. No. 1,244,566; Oct. 30; v. 243; p. 1110.
- White, Gustine S., Dunmore, Pa. Index. No. 1,239,751; Sept. 11; v. 242; p. 357.
- White, Harold E., Glen Ridge, assignor to Crocker-Wheeler Company, Ampere, N. J. Electric switch. No. 1,236,520; Aug. 14; v. 241; p. 351.
- White, Harold E., Glen Ridge, assignor to Crocker-Wheeler Company, Ampere, N. J. Electric switch. No. 1,236,521; Aug. 14; v. 241; p. 351.
- White, Harry B., assignor to The Gilliam Manufacturing Company, Canton, Ohio. Bow rest and clamping device. No. 1,218,966; Mar. 13; v. 236; p. 414.
- White, Harry B., assignor to The Gilliam Manufacturing Company, Canton, Ohio. Bow rest and clamping device. No. 1,220,306; Mar. 27; v. 236; p. 947.
- White, Harry B., assignor to The Gilliam Manufacturing Company, Canton, Ohio. Bow rest and clamping device. No. 1,222,057; Apr. 10; v. 237; p. 399.
- White, Harry B., assignor to The Gilliam Manufacturing Company, Canton, Ohio. Bow rest and clamping device. No. 1,226,287; May 15; v. 238; p. 845.
- White, Harry B., assignor to The Gilliam Manufacturing Company, Canton, Ohio. Bow rest and clamping device. No. 1,233,541; July 17; v. 240; p. 729.
- White, Harry B., assignor to The Gilliam Manufacturing Company, Canton, Ohio. Bow rest and clamping device. No. 1,238,234; Aug. 28; v. 241; p. 972.
- White, Harry B., assignor to The Gilliam Manufacturing Company, Canton, Ohio. Bow rest and clamping device. No. 1,247,193; Nov. 20; v. 244; p. 675.
- White, Harry B., assignor to S. S. Kurtz, Canton, Ohio. Filing appliance. No. 1,223,228; Apr. 17; v. 237; p. 848.
- White, Harry F., New York, N. Y. X-ray apparatus. No. 1,250,730; Dec. 18; v. 245; p. 742.
- White, Harry Z., Buffalo, N. Y. Spark-plug. No. 1,233,630; July 17; v. 240; p. 760.
- White, Henderson N., Cleveland, Ohio. Cornet. No. 1,214,625; Feb. 6; v. 235; p. 50.
- White, Henry P., Kalamazoo, assignor of one-half to M. E. Fuller, Detroit, Mich. Machine-hammer. No. 1,218,732; Mar. 13; v. 236; p. 331.
- White, Herbert E., assignor to The General Fireproofing Company, Youngstown, Ohio. Making expanded-metal structures. No. 1,212,863; Jan. 16; v. 234; p. 924.
- White, Herbert E., assignor to The General Fireproofing Company, Youngstown, Ohio. Sheet-feeding process for metal-expanding machines. No. 1,230,635; June 19; v. 239; p. 843.
- White, Herbert E., Youngstown, Ohio, assignor to The General Fireproofing Company. Refrigerating-machine. No. 1,245,544; Nov. 6; v. 244; p. 122.
- White, Herbert S., McBain, Mich. Surgical instrument. No. 1,245,845; Nov. 6; v. 244; p. 213.
- White, James B., Bolivar, Tenn. Agricultural implement. No. 1,228,273; May 29; v. 238; p. 1572.
- White, James E., Walker, Minn. Envelop. No. 1,212,594; Jan. 16; v. 234; p. 830.
- White, James E., Baltimore, Md. Trap. No. 1,226,238; May 15; v. 238; p. 846.
- White, James W., Tela, Honduras. Shaving-brush. No. 1,242,095; Oct. 2; v. 243; p. 198.
- White, Jane, Pasadena, Cal. Spool-protector. No. 1,222,703; Apr. 17; v. 237; p. 670.
- White, Jefferson D., Gore, Ga. Cotton-chopper. No. 1,213,321; Jan. 23; v. 234; p. 1119.
- White, Jesse M., Philadelphia, Pa. Locking device for automobiles. No. 1,228,625; June 5; v. 239; p. 85.
- White, John C., Kansas City, Mo. Screen-fastening device. No. 1,236,637; Aug. 14; v. 241; p. 388.
- White, John D., Toronto, Ontario, Canada. Composition for filling joints in metallic bodies. No. 1,223,458; Apr. 24; v. 237; p. 959.
- White, John F., Pittsburgh, Pa. Cushion-tire for vehicles. No. 1,213,719; Jan. 23; v. 234; p. 1254.
- White, John F., Chicago, Ill. Latch. No. 1,221,932; Apr. 10; v. 237; p. 358.
- White, John F., Chicago, Ill. Lock. No. 1,221,933; Apr. 10; v. 237; p. 359.
- White, John F., Pittsburgh, Pa. Cushion-tire for vehicles. No. 1,245,413; Nov. 6; v. 244; p. 81.
- White, John F., assignor to L. E. White, Chicago, Ill. Joint-packing strip. No. 1,210,575; Jan. 2; v. 234; p. 68.
- White, John W., Farmville, Va. Shoe-fastening. No. 1,236,797; Aug. 14; v. 241; p. 443.
- White, Joseph, Piscataway township, assignor to Hall Printing Press Company, Dunellen, N. J. Delivery-tray and support. No. 1,211,511; Jan. 9; v. 234; p. 422.
- White, Joseph, Piscataway township, assignor to Hall Printing Press Company, Dunellen, N. J. Sheet-delivery mechanism. No. 1,211,512; Jan. 9; v. 234; p. 423.
- White, Joseph, Beechwood Heights, assignor to Hall Printing Press Company, Dunellen, N. J. Printing-press. No. 1,214,485; Jan. 30; v. 234; p. 1546.
- White, Joseph A., assignor to The Moore and White Company, Philadelphia, Pa. Press-roll for paper-making machines. No. 1,222,501; Apr. 10; v. 237; p. 557.
- White Kerosene Fuel Company. (See White, Lewis B., assignor.)
- White, Lauren V. (See Burleigh and White.)
- White, Lazarus, New York, N. Y. Providing substructures for structures. No. 1,217,128; Feb. 20; v. 235; p. 1015.
- White, Lazarus, New York, N. Y. Providing substructures for structures. No. 1,229,364; June 12; v. 239; p. 383.
- White, Leon O., Henderson, N. C. Sanitary lavatory-cover. No. 1,236,798; Aug. 14; v. 241; p. 443.
- White, Leroy L., assignor of one-half to G. G. Belden, Spokane, Wash. Float-operated indicator and engine control. No. 1,243,470; Oct. 16; v. 243; p. 702.
- White, Lewis B., Manson, assignor to White Kerosene Fuel Company, Norlina, N. C. Kerosene-vaporizer for automobile-engines. No. 1,220,039; Mar. 20; v. 236; p. 814.
- White, Louis R., Bennington, Vt. Electrical heating unit. No. 1,237,592; Aug. 21; v. 241; p. 734.
- White, Luella E. (See White, John F., assignor.)
- White, Melbourne W., Cliftondale, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Rubber-soled shoe. No. 1,215,449; Feb. 13; v. 235; p. 371.
- White, Melbourne W., Cliftondale, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Rubber-sole shoe. No. 1,215,450; Feb. 13; v. 235; p. 371.
- White Motor Company, The. (See Farmer, Frank H., assignor.)
- White Motor Company, The. (See Farmer and Hulet, assignors.)
- White Motor Company, The. (See Melanowski, Leo, assignor.)
- White Motor Company, The. (See Scaife, Arthur J., assignor.)
- White Motor Company, The. (See Thompson, Merwin S., assignor.)
- White, Nelson. (See Vincent and White.)
- White, Nelson, Springfield, Oreg., assignor to International Money Machine Company, Terre Haute, Ind. Printing mechanism for adding-machines. No. 1,229,844; June 12; v. 239; p. 544.
- White, Nelson, Springfield, Oreg., assignor to International Money Machine Company, Terre Haute, Ind. Money-handling machine. No. 1,249,869; Dec. 11; v. 245; p. 449.
- White, Nelson, Portland, Oreg., assignor, by mesne assignments, to International Money Machine Company, Terre Haute, Ind. Coin-delivery machine. No. 1,244,812; Oct. 30; v. 243; p. 1184.
- White, Otis, assignor to Sangamo Electric Company, Springfield, Ill. Electricity-meter. No. 1,221,934; Apr. 10; v. 237; p. 359.

- White Path Hotel Company. (See Tabor, Thomas H., assignor.)
- White, Percy E., Mansfield, Mass. Box. No. 1,219,610; Mar. 20; v. 236; p. 665.
- White, Ray H. (See Saunders and White.)
- White, Richard P., Chicago, Ill. Jar. (Reissue.) No. 1,425,4; Jan. 30; v. 234; p. 1550.
- White, Robert C., Birmingham, Ala. Operating mechanism for shaker-grates. No. 1,228,626; June 5; v. 239; p. 85.
- White, Robert H., Monroe, Wash. Stump extractor and piler. No. 1,247,194; Nov. 20; v. 244; p. 675.
- White, Robin L., Chicago, Ill. Form for concrete slabs. No. 1,222,704; Apr. 17; v. 237; p. 670.
- White, Roger S., Washington, D. C. Electric switch. No. 1,228,858; June 5; v. 239; p. 165.
- White, Roger S., Washington, D. C. Meter-switch. No. 1,228,859; June 5; v. 239; p. 166.
- White, Roy, Lamar, Colo. Irrigating device for plants. No. 1,216,642; Feb. 20; v. 235; p. 850.
- White, Roy, assignor of three-eighths to J. K. Doughty, Lamar, Colo., and one-eighth to C. L. Doughty, Cincinnati, Ohio. Irrigating device for plants. No. 1,247,766; Nov. 27; v. 244; p. 874.
- White, Samuel H., Anding, Miss. Wire-stretcher. No. 1,245,079; Oct. 30; v. 243; p. 1265.
- White, Samuel O., assignor to Warner Gear Company, Muncie, Ind. Steering-wheel. No. 1,233,284; July 10; v. 240; p. 607.
- White, Samuel T. (See Singleton and White.)
- White, Sidney, San Francisco, assignor of one-fourth to E. Ball, San Jose, Cal. Can-spout. No. 1,249,577; Dec. 11; v. 245; p. 362.
- White, Starley, Stuttgart, Ark. Centrifugal pumping apparatus. No. 1,237,229; Aug. 14; v. 241; p. 578.
- White, Tilman, Berkeley, assignor of one-half to E. E. Dryden and one-half to T. W. Morgan, Jr., Oakland, Cal. Hose-coupling. No. 1,221,935; Apr. 10; v. 237; p. 359.
- White, Virgil D., Ossipee, N. H. Attachment for automobiles. No. 1,236,638; Aug. 14; v. 241; p. 389.
- White, Virgil D., West Ossipee, N. H. Attachment for automobiles. No. 1,245,293; Nov. 6; v. 244; p. 45.
- White, Virgil D., Cottage Grove, Oreg. Mop-wringer. No. 1,249,265; Dec. 4; v. 245; p. 242.
- White, W. R. (See Gregory and Maire, assignors.)
- White, Wallace, Lawrence, Mass. Machine for sizing and polishing rings. No. 1,220,917; Mar. 27; v. 236; p. 1156.
- White, Walter C., Los Angeles, Cal. Train-coupling for electrical conductors. No. 1,214,857; Feb. 6; v. 235; p. 129.
- White-Warner Company, The. (See McGovern, James, assignor.)
- White, William, Granite, Okla. Cotton-distributor. No. 1,241,318; Sept. 25; v. 242; p. 919.
- White, William A., New York, N. Y. Atomizer. No. 1,227,352; May 22; v. 238; p. 1236.
- White, William B., Des Moines, Iowa. Cigar-case holder. No. 1,221,398; Apr. 3; v. 237; p. 140.
- White, William H., assignor to White-American Locomotive Sander Company, Inc., Roanoke, Va. Sand-trap. No. 1,226,427; May 15; v. 238; p. 889.
- White, William J., Philadelphia, Pa. Clothes-line support. No. 1,251,149; Dec. 25; v. 245; p. 915.
- White, William L., Birmingham, Ala. Flash-light. No. 1,215,757; Feb. 13; v. 235; p. 483.
- White, William M., Milwaukee, Wis. Hydraulic equalizer. No. 1,215,451; Feb. 13; v. 235; p. 372.
- White, William M., Milwaukee, Wis. Regainer for water-power plants. No. 1,223,841; Apr. 24; v. 237; p. 1096.
- White, William M., Milwaukee, Wis. Water-wheel-speed increaser. No. 1,223,842; Apr. 24; v. 237; p. 1097.
- White, William M., Milwaukee, Wis. Apparatus for utilizing the hydracone action of water. No. 1,223,843; Apr. 24; v. 237; p. 1097.
- White, William M., Milwaukee, Wis. Turbine-gate mechanism. No. 1,246,200; Nov. 13; v. 244; p. 346.
- White, William M., Hoboken, N. J. Pipe-joint for double pipes. No. 1,217,543; Feb. 27; v. 235; p. 1206.
- White, William S., Tracy City, Tenn. Cultivator. No. 1,213,050; Jan. 16; v. 234; p. 989.
- White, William W., American Falls, Idaho. Milk-can. No. 1,220,710; Mar. 27; v. 236; p. 1088.
- Whiteford, David, Chicago, Ill. Hot-water heater. No. 1,211,801; Jan. 9; v. 234; p. 522.
- Whitehall, Earle L., Denver, Colo. Two-wheeled motor-car. No. 1,235,747; Aug. 7; v. 241; p. 70.
- Whitehead, Aura E., Chicago, Ill. Pneumatic action for player-piano mechanism. No. 1,230,549; June 19; v. 239; p. 813.
- Whitehead & Hoag Company, The. (See Heindl, William C., assignor.)
- Whitehead & Hoag Company, The. (See Roehm, Richard, assignor.)
- Whitehead & Hoag Company, The. (See Smeeton, Richard J., assignor.)
- Whitehead, Hugh H., Anna Maria, Fla. Internal-explosion engine. No. 1,248,965; Dec. 4; v. 245; p. 156.
- Whitehead, Linwood M., Norfolk, Va. Freight-tally. No. 1,234,242; July 24; v. 240; p. 991.
- Whitehead, Morris & Company. See Pugh, John C., assignor.)
- Whitehead, Perry E. (See Turner, Whitehead, and Clarke.)
- Whitehead, William T. (See Pate, William E., assignor.)
- Whitehouse, John T. (See Van Dorn and Whitehouse.)
- Whitehouse, Norman L. G., Pittsburgh, Pa. Manufacturing phosgene. No. 1,231,226; June 26; v. 239; p. 1080.
- Whitaker, Bosque M., assignor of one-half to A. J. Combs, Sr., Haskell, Tex. Sack for cotton-pickers. No. 1,235,865; Aug. 7; v. 241; p. 110.
- Whitelaw, Arthur K., Woodriver, Ill. Condenser. No. 1,237,848; Aug. 21; v. 241; p. 815.
- Whitelaw, James, St. Louis, Mo. Sewing-machine work-banding mechanism. No. 1,239,239; Sept. 4; v. 242; p. 167.
- Whitely, William N., Springfield, Ohio. Wide-delivery spreader. No. 1,244,933; Oct. 30; v. 243; p. 1221.
- Whiteman, George W., Philadelphia, Pa. Screw. No. 1,229,560; June 12; v. 239; p. 450.
- Whitesell, David P., Greenville, Ohio. Film-winding device. No. 1,225,905; May 15; v. 238; p. 710.
- Whiteside, J. Ado. (See Hazlewood, William A., assignor.)
- Whiteside, John C., Rutherford, N. J., assignor to Hodgman Rubber Co., Yonkers, N. Y. Convertible coat and cape. No. 1,239,995; Sept. 11; v. 242; p. 434.
- Whitfield, Baldwin G., Chicago, Ill. Muffler-whistle. No. 1,241,800; Oct. 2; v. 243; p. 105.
- Whitfield, Ernest A. (See Dayton and Whitfield.)
- Whitfield Manufacturing Company, The. (See Dayton and Whitfield, assignors.)
- Whitin, George M., assignor to The Whitin Machine Works, Whitinsville, Mass. Helman comb. No. 1,224,985; May 8; v. 238; p. 357.
- Whitin, George M., assignor to The Whitin Machine Works, Whitinsville, Mass. Reclaiming cotton-waste. No. 1,235,949; Aug. 7; v. 241; p. 138.
- Whitin Machine Works, The. (See Boyd, James H., assignor.)
- Whitin Machine Works, The. (See Burlin, Charles T., assignor.)
- Whitin Machine Works. (See Crockett, Frank L., assignor.)
- Whitin Machine Works, The. (See Horner, Leon H., assignor.)
- Whitin Machine Works. (See Nelson, Harmon O., assignor.)
- Whitin Machine Works. (See Owen, Henry A., assignor.)
- Whitin Machine Works, The. (See Whitin, George M., assignor.)
- Whiting, Max A., Schenectady, N. Y., assignor to General Electric Company. System of signaling for mine-hoists. No. 1,242,625; Oct. 9; v. 243; p. 408.
- Whitlock, John S. (See King and Whitlock.)
- Whitlock, Ralph G., Los Angeles, Cal. Loose-leaf book. No. 1,222,058; Apr. 10; v. 237; p. 400.
- Whitlock, Ralph G., Los Angeles, Cal. Loose-leaf book. No. 1,228,860; June 5; v. 239; p. 166.
- Whitlock, Ralph G., Los Angeles, Cal. Printing-press. No. 1,230,960; June 26; v. 239; p. 991.
- Whitlock, Ralph G., Los Angeles, Cal. Back-frame for loose-leaf books. No. 1,241,692; Oct. 2; v. 243; p. 72.
- Whitlow, Alamander, Port Arthur, Tex. Head-lamp-controlling means. No. 1,236,242; Aug. 7; v. 241; p. 230.
- Whitman & Barnes Manufacturing Company, The. (See Farmer, Frank T., assignor.)
- Whitman, Frank V., Walkerville, Mont. Bicycle-gearing. No. 1,225,544; May 8; v. 238; p. 546.
- Whitman, Harold C., Esmond, R. I. Blanket. No. 1,249,266; Dec. 4; v. 245; p. 242.
- Whitman, Henry L., Jr., St. Louis, Mo. Tractor-wheel. No. 1,232,635; July 10; v. 240; p. 395.
- Whitman, Ralph M. (See Daniels, John F., assignor.)
- Whitman, Randolph, Mount Vernon, N. Y. Acoustic device. No. 1,223,545; Apr. 24; v. 237; p. 992.
- Whitman, William, Reading, Pa. Filing system for correspondence and the like. No. 1,247,767; Nov. 27; v. 244; p. 874.
- Whitmer, A. G. (See Wilson, Thomas N., assignor.)
- Whitmore, Albert H., Brooklyn, assignor to Titus Blatter & Company, New York, N. Y. Artificial leather and manufacturing the same. No. 1,244,567; Oct. 30; v. 243; p. 1111.
- Whitmore, Edward E., assignor to The Curtain Supply Company, Chicago, Ill. Car-diaphragm. No. 1,221,399; Apr. 3; v. 237; p. 140.
- Whitmore, Edward E., assignor to The Curtain Supply Company, Chicago, Ill. Diaphragm buffing mechanism. No. 1,231,680; July 3; v. 240; p. 49.
- Whitmore, Edward E., assignor to The Curtain Supply Company, Chicago, Ill. Car-vestibule diaphragm. No. 1,249,870; Dec. 11; v. 245; p. 449.
- Whitnell, Charles O., Kingsley, Iowa. Skylight and ventilating means for hog-houses. No. 1,216,194; Feb. 13; v. 235; p. 641.
- Whitnell, Charles O., Kingsley, Iowa. Skylight. No. 1,233,530; July 17; v. 240; p. 725.
- Whitney, Arthur E. (See McIndoe and Whitney.)
- Whitney, Egbert, assignor to The Eclipse Scaffolding Company, Omaha, Neb. Adjustable suspended scaffolding. No. 1,244,670; Oct. 30; v. 243; p. 1141.
- Whitney, Francis M., San Diego, Cal., assignor to General Electric Company. End ring for squirrel-cage windings. No. 1,215,088; Feb. 6; v. 235; p. 213.

Alphabetical list of patentees—Continued.

- Whitney, Frank E., assignor to Commercial Truck Company of America, Philadelphia, Pa. Battery-separator. No. 1,245,080; Oct. 30; v. 243; p. 1265.
- Whitney, Frank L., assignor of forty-nine one-hundredths to A. Maas, Lincoln, Nebr. Leaf-spring lubricator. No. 1,234,591; July 24; v. 240; p. 1104.
- Whitney, George E., Bridgeport, Conn., assignor to H. A. Paine, Harris county, Tex. Machine for compressing baled hay. No. 1,217,893; Feb. 27; v. 235; p. 1324.
- Whitney, George G., Detroit, Mich. Internal-grinding machine. No. 1,249,871; Dec. 11; v. 245; p. 449.
- Whitney, Gilbert C., New York, N. Y. Means for producing colored-light effects. No. 1,219,514; Mar. 20; v. 236; p. 631.
- Whitney, Gilbert C., New York, N. Y. Means for producing colored-light effects. No. 1,223,459; Apr. 24; v. 237; p. 959.
- Whitney, Horace E., Cambridge, Mass., assignor to Dover Stamping and Manufacturing Company, Portland, Me. Lamp-container. No. 1,226,733; May 22; v. 238; p. 1027.
- Whitney, Robert F., Winchester, Mass. Bladed cylinder. No. 1,221,936; Apr. 10; v. 237; p. 359.
- Whitney, Robert F., Winchester, Mass. Hide-working machine. No. 1,238,235; Aug. 28; v. 241; p. 973.
- Whitney Sporting Goods Company, The. (See Cox, Edward L., assignor.)
- Whitney, Vincent J., Seattle, Wash. Handle attachment for hinges. No. 1,232,415; July 3; v. 240; p. 291.
- Whitney, William H., Greentown, Ind. Mail-catcher. No. 1,219,611; Mar. 20; v. 236; p. 666.
- Whitney, William M. (See Folsom, Arthur E., assignor.)
- Whitney, Willis R., Schenectady, N. Y., assignor to General Electric Company. Stylus for sound-reproducing machines. No. 1,237,230; Aug. 14; v. 241; p. 578.
- Whitridge, John C., and G. T. Johnson, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Brake arrangement for six-wheel trucks. No. 1,232,142; July 3; v. 240; p. 205.
- Whitridge, John C., and G. T. Johnson, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Brake arrangement for six-wheel trucks. No. 1,232,143; July 3; v. 240; p. 206.
- Whitridge, John C., and G. T. Johnson, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Brake arrangement for six-wheel trucks. No. 1,232,144; July 3; v. 240; p. 206.
- Whitridge, John C., and G. T. Johnson, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Brake arrangement for six-wheel trucks. No. 1,232,145; July 3; v. 240; p. 206.
- Whitsett, James W., Berkeley, Cal. Measuring device. No. 1,233,737; July 17; v. 240; p. 793.
- Whitt, Frances S., administratrix. (See Whitt, William C.)
- Whitt, Joseph E., Italy, Tex. Electric-motor drive. No. 1,235,087; July 31; v. 240; p. 1292.
- Whitt, Joseph E., Italy, Tex. Cotton-tramper. No. 1,235,088; July 31; v. 240; p. 1292.
- Whitt, William C., deceased, Florida, Ala.; F. S. Whitt, administratrix. Manually-operated vehicle. No. 1,232,416; July 3; v. 240; p. 291.
- Whittaker, Arnold R. (See Jeavons and Whittaker.)
- Whittaker, James B., Rochester, N. Y. Bicycle. No. 1,250,740; Dec. 18; v. 245; p. 745.
- Whittaker, Lee, Butler, Pa. Hydrocarbon-burner. No. 1,241,069; Sept. 25; v. 242; p. 838.
- Whitted, John B., Elizabethtown, N. C. Rotary engine. No. 1,239,752; Sept. 11; v. 242; p. 358.
- Whittek, Homer T., Coalinga, Cal. Clamp for automobile-springs. No. 1,236,522; Aug. 14; v. 241; p. 351.
- Whittelsey, Charles B., Hartford, Conn., assignor to The Hartford Rubber Works Company. Manufacture of block-tires. No. 1,230,967; June 26; v. 239; p. 992.
- Whittelsey Company. (See Whittelsey, Henry N., assignor.)
- Whittelsey, Henry N., Greenwich, Conn., assignor to Whittelsey Company, New York, N. Y. Liquid-fuel heater. No. 1,219,515; Mar. 20; v. 236; p. 632.
- Whittelsey, Henry N., Greenwich, Conn., assignor to Whittelsey Company, New York, N. Y. Liquid-fuel heater. No. 1,219,516; Mar. 20; v. 236; p. 632.
- Whittelsey, Henry N., Greenwich, Conn., assignor to Whittelsey Company, New York, N. Y. Vaporizer. No. 1,243,647; Oct. 16; v. 243; p. 757.
- Whittelsey, Theodore. (See Price and Whittelsey.)
- Whittelsey, Theodore, Upper Montclair, N. J., assignor to Rubber Regenerating Company. Vulcanizing rubber articles. No. 1,238,236; Aug. 28; v. 241; p. 973.
- Whitten, Oscar C., Star City, Ark. Seat-board for vehicles. No. 1,216,755; Feb. 20; v. 235; p. 889.
- Whittier, Albert E., Bristol, Conn. Oven-thermometer. No. 1,235,623; Aug. 7; v. 241; p. 31.
- Whittier, Colan F. and M. H., Los Angeles, Cal. Safety rotary well-boring tool. No. 1,217,079; Feb. 20; v. 235; p. 996.
- Whittier, Frederick G., Ipswich, assignor to The Lamson Company, Boston, Mass. Pneumatic-despatch-tube apparatus. No. 1,248,767; Dec. 4; v. 245; p. 101.
- Whittier, Mericos H. (See Coloston, Claude E., assignor.)
- Whittier, Mericos H. (See Whittier, Colan F. and M. H.)
- Whittier, William L., Beverly, Mass. Shingle-stripper. No. 1,218,145; Mar. 6; v. 236; p. 90.
- Whittingham, George H., Pikesville, assignor to Monitor Controller Company, Baltimore, Md. Controller for electric motors. No. 1,241,180; Sept. 25; v. 242; p. 873.
- Whittingham, George H., Bancroft Park, assignor to Monitor Controller Company, Baltimore, Md. Controller for electric motors. No. 1,243,665; Oct. 16; v. 243; p. 762.
- Whittingham, Gwendollin, Saratoga, Cal. Combination-garment. No. 1,218,501; Mar. 6; v. 236; p. 211.
- Whitton, James A., Los Angeles, Cal. Valve-actuating mechanism. No. 1,238,608; Aug. 28; v. 241; p. 1094.
- Whitton, William W., Oakland, Cal. Furnace. No. 1,222,251; Apr. 10; v. 237; p. 469.
- Whitworth, John A., Banquete, Tex. Auxiliary seeding attachment for planters. No. 1,237,986; Aug. 21; v. 241; p. 858.
- Whitworth, John L., Brownsville, Tex. Saw-handle. No. 1,234,432; July 24; v. 240; p. 1054.
- Wholey, Timothy J., Philadelphia, Pa. Wheel-flange lubricator. No. 1,222,341; Apr. 10; v. 237; p. 501.
- Whyte, Alexander, Twin Falls, Idaho. Spring-securing device. No. 1,238,237; Aug. 28; v. 241; p. 973.
- Whyte, Alice T., East Orange, N. J. Garment-hanger. No. 1,210,746; Jan. 2; v. 234; p. 127.
- Whyte, William S., Bedford, Ind. Calipers. No. 1,237,132; Aug. 14; v. 241; p. 549.
- Wiard, Louis, assignor to Wiard Plow Company, Batavia, N. Y. Plow. No. 1,221,783; Apr. 3; v. 237; p. 270.
- Wiard Plow Company. (See Wiard, Louis, assignor.)
- Wiberg, Georg, Stockholm, Sweden. Apparatus for preparing coffee, tea, or similar drinks. No. 1,225,690; May 8; v. 238; p. 595.
- Wiberg, Oscar A., Finspong, Sweden. Radial steam-turbine. No. 1,223,914; Apr. 24; v. 237; p. 1121.
- Wiberg, Oscar A., Finspong, Sweden. Elastic-fluid turbine. No. 1,223,915; Apr. 24; v. 237; p. 1122.
- Wiberg, Oscar A., Finspong, assignor, by mesne assignments, to Aktiebolaget Ljungströms Ängturbin, Stockholm, Sweden. Radial turbine. (Reissue.) No. 14,333; July 24; v. 240; p. 1142.
- Wiberg, Oskar A., Finspong, assignor, by mesne assignments to Aktiebolaget Ljungströms Ängturbin, Stockholm, Sweden. Turbine-wheel. No. 1,227,986; May 29; v. 238; p. 1481.
- Wible, Milo B., Arcata, Cal. Device for nailing tins on binders. No. 1,232,743; July 10; v. 240; p. 434.
- Wick, Clarence H. (See Finch and Wick.)
- Wick, Jacob O., Clifford, N. D. Fire-escape. No. 1,212,301; Jan. 16; v. 234; p. 728.
- Wickberg, Godfrey, Seattle, Wash. Reading attachment for chairs. No. 1,228,274; May 29; v. 238; p. 1573.
- Wickers, Walter J., and P. M. Furlong, Brooklyn, N. Y. Producing a graduated printing-surface on etched or engraved plates, electrotypes, and stereotypes. No. 1,250,403; Dec. 18; v. 245; p. 644.
- Wickers, Walter J., and P. M. Furlong, Brooklyn, N. Y. Producing a graduated surface on etched or engraved printing-plates, &c. No. 1,250,404; Dec. 18; v. 245; p. 644.
- Wickersham, Elmer E., Marysville, Cal., assignor to Yuba Manufacturing Company. Carburetor. No. 1,243,666; Oct. 16; v. 243; p. 763.
- Wickersham, Gilbert E., assignor to Diamond Forging & Manufacturing Company, Pittsburgh, Pa. Combined tie and ladder-rug member for silos and the like. No. 1,229,002; June 5; v. 239; p. 211.
- Wickert, William, Jr., Chicago, Ill. Valve. No. 1,216,528; Feb. 20; v. 235; p. 810.
- Wicks, Clarence S., Merchantville borough, N. J., assignor to Victor Talking Machine Company. Making diaphragms. No. 1,213,051; Jan. 16; v. 234; p. 990.
- Wicks, Marjorie A., New York, N. Y. Garment. No. 1,245,649; Nov. 6; v. 244; p. 154.
- Wicks, Pere, Jersey City, N. J. Self-winding means for clocks. No. 1,236,799; Aug. 14; v. 241; p. 444.
- Wicks, Powers A., Portland, Oreg. Safety butt-hook. No. 1,232,417; July 3; v. 240; p. 292.
- Wickey, Andrew, East Chicago, Ind. Eyeglass-guard. No. 1,238,971; Sept. 4; v. 242; p. 81.
- Wickham, Henry A., London, England. Press-mold. No. 1,239,652; Sept. 11; v. 242; p. 325.
- Wickham, Henry G., Springfield, Ohio. Driving-tool. No. 1,250,741; Dec. 18; v. 245; p. 745.
- Wickins, Samuel. (See Tiller, Ernest, assignor.)
- Wicklund, Anton E., and J. B. Grobey, Middle River, assignors of one-third to I. C. Richardson, Thief River Falls, Minn. Reversible folding spring-seat. No. 1,220,577; Mar. 27; v. 236; p. 1043.
- Wicks, Charles W., Neponset, Ill. Sanitary eaves-trough. No. 1,243,119; Oct. 16; v. 243; p. 599.
- Wicks, Daniel E., Philadelphia, Pa. Vending-machine. No. 1,219,363; Mar. 13; v. 236; p. 549.
- Wickstrom, Karl E., Whitehall, Mich. Coating wood products. No. 1,234,989; July 31; v. 240; p. 1262.
- Wickwire, Charles C., Cortland, N. Y. Wire cleaning and coating machine. No. 1,244,153; Oct. 23; v. 243; p. 946.
- Wickwire, Wilford E., Lehigh, Iowa. Antislipping device. No. 1,239,856; Sept. 11; v. 242; p. 392.
- Widger, Edwin W., Downsville, N. Y. Work-holding vise. No. 1,228,275; May 29; v. 238; p. 1573.
- Widlak, Ludwig, Newark, N. J., assignor to Rosenband Manufacturing Co. Bag-frame fastener. No. 1,229,845; June 12; v. 239; p. 545.

- Widlar, Walter L., Lakewood, assignor to The Jiffy Jack Company, Cleveland, Ohio. Jack. No. 1,241,590; Oct. 2; v. 243; p. 40.
- Widlar, Walter L., Lakewood, assignor to The Jiffy Jack Company, Cleveland, Ohio. Jack. No. 1,241,591; Oct. 2; v. 243; p. 41.
- Widmar, Frank J. (See Galbraith, John, assignor.)
- Widmayer, Daniel, Los Angeles, Cal. Combined window lock and supporter. No. 1,218,025; Mar. 6; v. 236; p. 48.
- Widmer, Arthur J., Webster Groves, assignor, by mesne assignments, to Widmer Engineering Company, St. Louis, Mo. Apparatus for constructing ribbed concrete floors. No. 1,233,858; Sept. 4; v. 242; p. 44.
- Widmer, Arthur J., Webster Groves, assignor, by mesne assignments, to Widmer Engineering Company, St. Louis, Mo. Ceiling-support. No. 1,243,367; Oct. 16; v. 243; p. 673.
- Widmer, Arthur J., Webster Groves, assignor to Widmer Engineering Company, St. Louis, Mo. Metal insert for concrete ceilings. No. 1,245,414; Nov. 6; v. 244; p. 81.
- Widmer, Arthur J., Webster Groves, assignor, by mesne assignments, to Widmer Engineering Company, St. Louis, Mo. Plaster-board support. No. 1,250,537; Dec. 18; v. 245; p. 685.
- Widmer, Arthur J., Webster Groves, assignor, by mesne assignments, to Widmer Engineering Company, St. Louis, Mo. Ceiling-tie. No. 1,251,150; Dec. 25; v. 245; p. 915.
- Widmer, Arthur J., Webster Groves, assignor, by mesne assignments, to Widmer Engineering Company, St. Louis, Mo. Plaster-ceiling support. No. 1,251,151; Dec. 25; v. 245; p. 916.
- Widmer Engineering Company. (See Widmer, Arthur J., assignor.)
- Widner, George H., Des Moines, Iowa. Container for water softening or filtering material. No. 1,233,460; Apr. 24; v. 237; p. 960.
- Widney Company, The. (See Kinder, Halsey G., assignor.)
- Widström, Axel D. (See Ljungström and Widström.)
- Wieber, George, Washington, D. C. Milk-bottle top. No. 1,224,251; May 1; v. 238; p. 49.
- Wiechmann, Ferdinand G., New York, assignor to Fenofarm Corporation, Hastings-upon-Hudson, N. Y. Production of anhydrous products from phenol and formaldehyde. No. 1,218,146; Mar. 6; v. 236; p. 90.
- Wieda, Ernst F. W., Paterson, N. J. Making ice-cream. No. 1,228,152; May 29; v. 238; p. 1534.
- Wiedeman, George J. (See Hughes and Wiedeman.)
- Wieden, Karl, Ohligs, Germany. Pipe - lighter. No. 1,212,164; Jan. 9; v. 234; p. 648.
- Wiedenmann, Christian A., Long View Farm, Kans. Steering-wheel lock. No. 1,238,609; Aug. 28; v. 241; p. 1094.
- Wiederhold, Henry, assignor to The Barber Asphalt Paving Company, Philadelphia, Pa. Apparatus for applying mastic to walls. No. 1,228,353; May 29; v. 238; p. 1600.
- Wiederwax, Robert W., assignor of one-half to C. Geist, Atlantic City, N. J. Fluid-fuel furnace for heating castings. No. 1,234,240; July 24; v. 240; p. 991.
- Wiegand, Cris. W., Los Angeles, Cal. Structural fastener. No. 1,229,365; June 12; v. 239; p. 384.
- Wiegand, Fred B., Cleveland, Ohio, assignor to The Union Switch & Signal Company, Swissvale, Pa. Circuit-controller. No. 1,233,531; July 17; v. 240; p. 726.
- Wiegand, Frederick B., Cleveland, assignor to The National Electric Specialty Company, Toledo, Ohio. Lightning-arrester. No. 1,223,916; Apr. 24; v. 237; p. 1122.
- Wiegand, William B., and T. H. Rieder, Montreal, Quebec, Canada, assignors to The Goodyear's Metallic Rubber Shoe Company. Sole for boots and shoes. No. 1,249,702; Dec. 11; v. 245; p. 399.
- Wielacert, Johan, Remuera, Auckland, New Zealand, assignor, by mesne assignments, to E. M. C. McAlpine, Brooklyn, N. Y. Milking-machine. No. 1,223,334; Apr. 17; v. 237; p. 883.
- Wieland, Jozias, Central Lake, Mich. Vehicle-brake. No. 1,221,937; Apr. 10; v. 237; p. 360.
- Wiemann, William P., Pittsburgh, Pa. Manufacture of ice. No. 1,232,146; July 3; v. 240; p. 206.
- Wiener, Bernhard, Chicago, Ill. Acetylene-burner. No. 1,225,383; May 8; v. 238; p. 493.
- Wier, Fredrick S., Lacon, Ill. Baling-press. No. 1,230,253; June 19; v. 239; p. 715.
- Wierum, Howard F., Upper Montclair, N. J., assignor to The Sulphur Syndicate Limited, London, England. Desulfurizing ores. No. 1,222,252; Apr. 10; v. 237; p. 470.
- Wieseckel, George F., assignor of one-half to H. R. Warnock, Hagerstown, Md. Simple-compound locomotive. No. 1,237,987; Aug. 21; v. 241; p. 859.
- Wieseckel, George F., Hagerstown, and G. C. Schimpf, Curtis Bay, Md. Car-door fastener. No. 1,219,059; Mar. 13; v. 236; p. 445.
- Wiesenberg, Samuel, and S. Lustig, New York, N. Y. Pneumatic-wheel-tire overshoe. No. 1,250,742; Dec. 18; v. 245; p. 745.
- Wiest, Jonas H. (See Millican and Wiest.)
- Wieting, Carl A., Snoqualmie, Wash. Automatic gas cut-off. No. 1,224,586; May 1; v. 238; p. 168.
- Wiggert, Paul W., Idagrove, Iowa. Electrical switch-lock. No. 1,249,872; Dec. 11; v. 245; p. 450.
- Wiggin, Fred A., Lawrence, Mass. X-ray tube. No. 1,218,026; Mar. 6; v. 236; p. 48.
- Wiggins, Edward J., assignor to D. A. Heyman, Chicago, Ill. Mixture-modifying auxiliary for internal-combustion engines. No. 1,233,942; July 17; v. 240; p. 859.
- Wiggins, Fred E., Malden, Mass., assignor to L. N. Littauer, Gloversville, N. Y. Sewing-machine for sewing overall-straps. No. 1,242,405; Oct. 9; v. 243; p. 338.
- Wiggins, Jasper P. (See Caddell, Charles J., assignor.)
- Wiggins, Loran A., Milwaukee, Wis. Convertible cooking-cabinet. No. 1,216,030; Feb. 13; v. 235; p. 583.
- Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Temporary binder or loose-sheet holder. No. 1,218,733; Mar. 13; v. 236; p. 331.
- Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Temporary binder or loose-sheet holder. No. 1,218,734; Mar. 13; v. 236; p. 332.
- Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Temporary binder or loose-sheet holder. No. 1,222,705; Apr. 17; v. 237; p. 671.
- Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Temporary binder. No. 1,227,717; May 29; v. 238; p. 1387.
- Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Temporary binder. No. 1,227,718; May 29; v. 238; p. 1388.
- Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Temporary binder. No. 1,231,317; June 26; v. 239; p. 1109.
- Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Temporary binder. No. 1,241,801; Oct. 2; v. 243; p. 105.
- Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Temporary binder. No. 1,241,802; Oct. 2; v. 243; p. 106.
- Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Temporary binder. No. 1,247,047; Nov. 20; v. 244; p. 632.
- Wight, Albion P., Wakefield, Mass. Shaft-bearing lubricator. No. 1,228,861; June 5; v. 239; p. 166.
- Wight, Albion P., Wakefield, Mass. Oil-atomizer for steam-conduits. No. 1,228,862; June 5; v. 239; p. 167.
- Wight, Sedgwick N., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Switch-indicator. No. 1,224,111; Apr. 24; v. 237; p. 1187.
- Wightman, Elmer E., Chicago, Ill. Dental casting-machine. No. 1,230,254; June 19; v. 239; p. 716.
- Wightman, Elmer E., Chicago, Ill. Machine for forming metallic tooth-backings for artificial teeth. No. 1,232,636; July 10; v. 240; p. 396.
- Wightman, George E., Portland, Oreg. Carpet and floor cleaning tools. No. 1,236,126; Aug. 7; v. 241; p. 192.
- Wightman, Mark A., Prattburg, N. Y. Tire-chain lock. No. 1,238,859; Sept. 4; v. 242; p. 45.
- Wightman, Merle J., assignor to Railway's Accessories Company, Seattle, Wash. Railway-rail joint. No. 1,237,593; Aug. 21; v. 241; p. 734.
- Wigiert, Joe J., assignor of one-half to S. Wigiert, Bremond, Tex. Combined sword and pistol. No. 1,239,065; Sept. 4; v. 242; p. 110.
- Wigiert, Stash. (See Wigiert, Joe J., assignor.)
- Wigiert, Stash, Bremond, Tex. Toilet article. No. 1,242,293; Oct. 9; v. 243; p. 303.
- Wigle, Wilson B., Fullerton, Cal. Band-wheel construction. No. 1,213,785; Jan. 23; v. 234; p. 1276.
- Wigle, Wilson B., Fullerton, Cal. Ball-bearing spring casing-hook. (Reissue.) No. 14,253; Jan. 23; v. 234; p. 1288.
- Wigle, Wilson B., Fullerton, Cal. Pump-valve. No. 1,214,400; Jan. 30; v. 234; p. 1520.
- Wigle, Wilson B., Fullerton, Cal. Combination casing-head and spider. No. 1,217,853; Feb. 27; v. 235; p. 1311.
- Wigle, Wilson B., Fullerton, Cal. Bull and calf wheel. No. 1,223,303; Apr. 17; v. 237; p. 872.
- Wigle, Wilson B., Fullerton, Cal. Pump packing expander. No. 1,243,648; Oct. 16; v. 243; p. 758.
- Wigren, Amandus, Ornsköldsvik, Sweden. Support for life-preservers. No. 1,224,819; May 1; v. 238; p. 250.
- Wigtel, Carl, Brooklyn, N. Y., assignor to The Watson-Stillman Company, Aldene, N. J. Hydraulic jack. No. 1,225,906; May 15; v. 238; p. 711.
- Wikander, Charles N., Meskill, Wash. Rotary engine. No. 1,214,981; Feb. 6; v. 235; p. 176.
- Wikander, Ragnar, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Switch for electric circuits. No. 1,241,592; Oct. 2; v. 243; p. 41.
- Wikberg, Johan. (See Wikberg, Samuel A. and J.)
- Wikberg, Samuel A. and J., Everson, Wash. Drafting instrument. No. 1,227,862; May 29; v. 238; p. 1438.
- Wike, I. B., et al. (See Stanley, Joseph, assignor.)
- Wilhelm, Peder L., Everett, Wash. Lock. No. 1,244,671; Oct. 30; v. 243; p. 1141.
- Wikling, Anders F., Stockholm, Sweden. Means for adjusting and shoring ships in dry setting. No. 1,235,089; July 31; v. 240; p. 1292.
- Wiklund, Carl A., and E. R. Peterson, New York, N. Y. Salt-shaker. No. 1,221,640; Apr. 3; v. 237; p. 221.

Alphabetical list of patentees—Continued.

- Wikschtröm, Jakob, Dusseldorf, Germany. Machine for making nails or pins from wire. No. 1,246,513; Nov. 13; v. 244; p. 440.
- Wikstedt, Frans F., Fitchburg, Mass. Egg-beater holder. No. 1,225,907; May 15; v. 238; p. 711.
- Wikstrom, Adolph B., Strandquist, Minn. Trap. No. 1,214,626; Feb. 6; v. 235; p. 50.
- Wikstrom, Helmer, Silverdale, Minn. Trousers-stretcher. No. 1,241,593; Oct. 2; v. 243; p. 41.
- Wikström, Karl G. F., Örebro, assignor to Aktiebolaget Carl A. Carlsson, Stockholm, Sweden. Hand signal-lantern. No. 1,233,631; July 17; v. 240; p. 760.
- Wikstrom, Malcolm U., Charleroi, assignor to Pittsburgh Steel Products Company, Pittsburgh, Pa. Furnace. No. 1,217,251; Feb. 27; v. 235; p. 1101.
- Wilber, Ford R., and H. E. Ball, Paw Paw, Mich. Fish-bait. No. 1,230,968; June 26; v. 239; p. 992.
- Wilber, Lyman J., Brockton, Mass. Receptacle-filler. No. 1,226,042; May 15; v. 238; p. 758.
- Wilbur, R. D. (See Jordan, Bennett E., assignor.)
- Wilbur, Charles B. (See Wilbur, Elmer B. and C. B.)
- Wilbur, Elmer B. and C. B., Shenandoah, Iowa. Feeding mechanism for type-writing machines. No. 1,233,532; July 17; v. 240; p. 726.
- Wilbur, Ray S., Jersey City, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Testing system. No. 1,219,517; Mar. 20; v. 236; p. 633.
- Wilbur, Ray S., Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,222,342; Apr. 10; v. 237; p. 501.
- Wilcke, Adolph, Chicago, Ill. Combined piano-bench and music-cabinet. No. 1,249,873; Dec. 11; v. 245; p. 450.
- Wilcomb, Frank, assignor to Wildman Mfg. Co., Norristown, Pa. Overthrow guard-cam for knitting-machines. No. 1,220,918; Mar. 27; v. 236; p. 1157.
- Wilcomb, Frank, assignor to Wildman Mfg. Co., Norristown, Pa. Knitting-machine. No. 1,244,267; Oct. 23; v. 243; p. 982.
- Wilcomb, Frank, assignor to Wildman Mfg. Company, Norristown, Pa. Knitting-machine. No. 1,244,268; Oct. 23; v. 243; p. 982.
- Wilcomb, Frank, assignor to Wildman Mfg. Co., Norristown, Pa. Trunnion-mounted element for knitting-machines. No. 1,244,269; Oct. 23; v. 243; p. 983.
- Wilcomb, Frank, assignor to Wildman Mfg. Co., Norristown, Pa. Knitting-machine. No. 1,244,270; Oct. 23; v. 243; p. 983.
- Wilcomb, Frank, Norristown, Pa., assignor to Hemphill Manufacturing Company, Central Falls, R. I. Circular-knitting machine. No. 1,244,672; Oct. 30; v. 243; p. 1141.
- Wilcomb, Frank, Norristown, Pa., assignor to Hemphill Manufacturing Company, Central Falls, R. I. Spring-needle knitting-machine. No. 1,244,674; Oct. 30; v. 243; p. 1142.
- Wilcomb, Frank, Norristown, Pa., assignor to Hemphill Manufacturing Co. Spring-needle knitting-machine. No. 1,244,675; Oct. 30; v. 243; p. 1142.
- Wilcomb, Frank, Pawtucket, assignor to Hemphill Manufacturing Company, Central Falls, R. I. Spring-needle knitting-machine. No. 1,244,673; Oct. 30; v. 243; p. 1142.
- Wilcox, Charles E., Keen, Cal., assignor of one-third to Oil Well Supply Company, Pittsburgh, Pa., and one-third to W. G. Knapp, Alhambra, Cal. Well-boring apparatus. No. 1,220,919; Mar. 27; v. 236; p. 1157.
- Wilcox, Charles E., East Bakersfield, assignor of one-third to himself, one-third to W. G. Knapp, Alhambra, Cal., and one-third to Oil Well Supply Company, Pittsburgh, Pa. Well-boring apparatus. No. 1,235,866; Aug. 7; v. 241; p. 110.
- Wilcox, Charles H. (See Baumwart, Arthur C., assignor.)
- Wilcox, Clifford, Belden, Nebr. Buckle. No. 1,224,252; May 1; v. 238; p. 49.
- Wilcox, Daniel M., Krebs, Okla. Inclinator. No. 1,222,831; Apr. 17; v. 237; p. 713.
- Wilcox, Ernest C., assignor to The Connecticut Telephone & Electric Company, Meriden, Conn. Ignition system. No. 1,251,314; Dec. 25; v. 245; p. 964.
- Wilcox, Frederick R., Star Lime Works, Ky. Wagon-tongue support. No. 1,234,843; July 31; v. 240; p. 1214.
- Wilcox, Fredus H., North Bangor, N. Y. Horse-blanket. No. 1,221,256; Apr. 3; v. 237; p. 90.
- Wilcox, George, Buena Park, Cal. Solar heater. No. 1,250,260; Dec. 18; v. 245; p. 602.
- Wilcox, Joseph, assignor to Joseph Wilcox Inc., Athol, Mass. Making a celluloid article. No. 1,244,676; Oct. 30; v. 243; p. 1143.
- Wilcox, Joseph S., Jr., A. Turner, and H. W. Dunbar, assignors to Norton Grinding Company, Worcester, Mass. Steady-rest. No. 1,214,629; Feb. 6; v. 235; p. 51.
- Wilcox, Josiah T., Westfield, N. J., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Cigar-package. No. 1,216,031; Feb. 13; v. 235; p. 583.
- Wilcox, Lewis T., Peekskill, N. Y. Gas-burner. No. 1,216,529; Feb. 20; v. 235; p. 810.
- Wilcox, Newton K., Providence, R. I. Tractor. No. 1,242,500; Oct. 9; v. 243; p. 367.
- Wilcox, Philip A. (See Jahns, Knox, and Wilcox.)
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Threading-die. No. 1,232,875; July 10; v. 240; p. 477.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Threading-die. No. 1,232,876; July 10; v. 240; p. 477.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Header. No. 1,241,693; Oct. 2; v. 243; p. 72.
- Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Pointing and threading screws, bolts, and similar articles. No. 1,249,874; Dec. 11; v. 245; p. 451.
- Wilcox, Russell I., Milwaukee, Wis. Automatic or self-playing piano. No. 1,233,943; July 17; v. 240; p. 859.
- Wilcox, Sylvester N. (See Walker and Wilcox.)
- Wilcox & White Company, The. (See White, Frank C., assignor.)
- Wilcox, William M., Kilbourne, Ill. Corn-planter. No. 1,231,592; July 24; v. 240; p. 1104.
- Wilcoxon, Joseph R. (See Landon, William J., assignor.)
- Wilcoxon, Isham E., Dryden, Okla. Ironing-board. No. 1,215,452; Feb. 13; v. 235; p. 372.
- Wild, Anton, assignor to Werner & Pfeleiderer Co. Inc., Saginaw, Mich. Gearing for mixing and kneading machines. No. 1,247,768; Nov. 27; v. 244; p. 875.
- Wild, Charles M. (See Heins and Wild.)
- Wild, Charles M. (See Schwarzmans and Wild.)
- Wild, Eric E. A., Minneapolis, Minn. Tire-guard. No. 1,230,255; June 19; v. 239; p. 716.
- Wild, Joseph L., assignor of one-half to S. MacSweeney, Tacoma, Wash. Cooking hams. No. 1,214,627; Feb. 6; v. 235; p. 51.
- Wild, Michael, assignor of one-half to L. Jedlicka, Los Angeles, Cal. Combined can perforator and closure. No. 1,234,593; July 24; v. 240; p. 1104.
- Wild, William E., Gardena, Cal. Tractor-wheel. No. 1,242,096; Oct. 2; v. 243; p. 198.
- Wildasin, Earl H., Wilkinsburg, Pa. Indicator system. No. 1,237,133; Aug. 14; v. 241; p. 549.
- Wildau, Michael F., Buffalo, N. Y. Vehicle-top. No. 1,225,384; May 8; v. 238; p. 493.
- Wilday, Robert, New York, N. Y. Apparatus for making rubber stamps. No. 1,226,289; May 15; v. 238; p. 846.
- Wildberger, August M., Parkville, Md. Milk-can carrier. No. 1,247,355; Nov. 20; v. 244; p. 721.
- Wilde, Emil W., Warsaw, Ill. Whip-socket. No. 1,215,228; Feb. 6; v. 235; p. 260.
- Wilder, Allen B., St. Louis, Mo. Power-brake. No. 1,212,302; Jan. 16; v. 234; p. 729.
- Wilder, Allen B., assignor to Wilder Patents Company, St. Louis, Mo. Electrical toy. No. 1,226,835; May 22; v. 238; p. 1061.
- Wilder, Charles, East San Diego, assignor of one-half to G. W. Thompson, San Diego, Cal. Measuring device. No. 1,222,168; Apr. 10; v. 237; p. 439.
- Wilder Patents Company. (See Wilder, Allen B., assignor.)
- Wilder-Strong Implement Co. (See Stoner, Frank H., assignor.)
- Willey, Arthur T., Honcut, assignor of one-third to J. B. Johnson, Marysville, Cal. Tractor-wheel. No. 1,212,721; Jan. 16; v. 234; p. 878.
- Wildman, Frank B., Norristown, Pa. Circular-knitting machine. No. 1,216,900; Feb. 20; v. 235; p. 936.
- Wildman, Joseph E., Landover, Md., assignor, by mesne assignments, to The McCaskey Register Company, Alliance, Ohio. Slip or bill holder. No. 1,227,719; May 29; v. 238; p. 1388.
- Wildman Mfg. Co. (See Ballard, George L., assignor.)
- Wildman Mfg. Co. (See Pigeon, Albert M., assignor.)
- Wildman Mfg. Co. (See Pigeon, Albert M., assignor.) (Reissue.)
- Wildman Mfg. Co. (See Wilcomb, Frank, assignor.)
- Wildman, William W., and E. A. Tinsman, Barberton, assignors of one-third to J. Christy, Cleveland, Ohio. Producing puncture-sealing rubber tires. No. 1,217,888; Feb. 27; v. 235; p. 1323.
- Wiles, Edwin B., Chicago, Ill. Gear-shifting mechanism. No. 1,241,803; Oct. 2; v. 243; p. 106.
- Wiles, Russell. (See Howard, Frank A., assignor.)
- Wiles, Russell, Riverside, Ill. Food product. No. 1,212,722; Jan. 16; v. 234; p. 879.
- Wiley, Albert F., Humboldt, Kans. Recording attachment for a liquid-dispensing apparatus. No. 1,222,502; Apr. 10; v. 237; p. 557.
- Wiley, Charles J., Yorktown, N. Y. Printing-telegraph. No. 1,235,748; Aug. 7; v. 241; p. 70.
- Wiley, Dana, Long Beach, Cal. Self-centering work-holder. No. 1,241,319; Sept. 25; v. 242; p. 919.
- Wiley, Everett, Yates City, Ill. Door attachment. No. 1,241,458; Sept. 25; v. 242; p. 960.
- Wiley, George M., Los Angeles, Cal. Display apparatus. No. 1,221,494; Apr. 3; v. 237; p. 173.
- Wiley, Harvey W., Washington, D. C. Composition of matter for preparing foods and making same. No. 1,230,452; June 19; v. 239; p. 780.
- Wiley, Roy R., Buffalo, N. Y. Illuminated sign. No. 1,215,600; Feb. 13; v. 235; p. 428.
- Wiley, Roy R., Buffalo, N. Y. Method of and means for the production of glass sign characters. No. 1,248,582; Dec. 4; v. 245; p. 46.

- Wiley, Roy R. and W. K., Buffalo, N. Y., and W. S. Hough, Jr., St. Catharines, Ontario, Canada. Illuminated sign. No. 1,224,253; May 1; v. 238; p. 49.
- Wiley, Wallace K. (See Wiley and Hough.)
- Wiley, William A., assignor to American Sterilizer Company, Erie, Pa. Valve. No. 1,247,048; Nov. 20; v. 244; p. 633.
- Wilford, Albert, Baltimore, Md. Grain-separator. No. 1,237,004; Aug. 14; v. 241; p. 508.
- Wilford, Edward B. (See Russell, Sepas, and Wilford.)
- Wilgus, James W., et al. (See Hart, John W., assignor.)
- Wilhelm, J. W. (See Ellis, Harry E., assignor.)
- Wilhelm, Jesse E., Cleveland, Ohio, assignor to The Great Lakes Dredge & Dock Company, Chicago, Ill. Reinforced-concrete pile and making the same. No. 1,225,385; May 8; v. 238; p. 494.
- Wilhelm, Jesse E., and W. W. Bonfield, Cleveland, Ohio, assignors to The Great Lakes Dredge and Dock Company, Chicago, Ill. Gripping device for withdrawing sheet-piling. No. 1,221,400; Apr. 3; v. 237; p. 140.
- Wilhelm, Jesse E., and W. W. Bonfield, Cleveland, Ohio, assignors to The Great Lakes Dredge & Dock Company, Chicago, Ill. Pile-sawing device. No. 1,221,401; Apr. 3; v. 237; p. 141.
- Wilhelm, John F., Washington, D. C. Closure. No. 1,222,832; Apr. 17; v. 237; p. 714.
- Wilhelm, John F., Buffalo, N. Y. Nut-lock. No. 1,241,181; Sept. 25; v. 242; p. 873.
- Wilhelm, John W. (See Ellis and Wilhelm.)
- Wilhelm, Joseph, and C. A. Kays, McKees Rocks, Pa. Mechanical toy. No. 1,226,155; May 15; v. 238; p. 790.
- Wilhelm, Russell H., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer for hammer-drills. No. 1,217,378; Feb. 27; v. 235; p. 1145.
- Wilhelm, Russell H., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for percussive tools. No. 1,248,966; Dec. 4; v. 245; p. 157.
- Wilhelm, Walter M., Swarthmore, and K. Rushton, Wynnewood, Pa. Time-fuse for explosive projectiles. No. 1,227,720; May 29; v. 238; p. 1389.
- Wilhelm, Walter M., Swarthmore, and K. Rushton, Wynnewood, Pa. Time-fuse for explosive projectiles. No. 1,242,501; Oct. 9; v. 243; p. 367.
- Wilhelmi, Otto, assignor to Internationale Siegwartbalken-Gesellschaft, Lucerne, Switzerland. Making concrete or reinforced-concrete (ferroconcrete) piles. No. 1,213,441; Jan. 23; v. 234; p. 1160.
- Wilhoite, James F. (See Beam, Oliver N., assignor.)
- Wilhoit, Delle L. (See Tate, Wilhoit, and Fox.)
- Wilke, Harry, Denver, Colo. Signal device for road-vehicles. No. 1,248,229; Nov. 27; v. 244; p. 1004.
- Wilke, William F., La Fayette, Ind. Propelling mechanism. No. 1,218,027; Mar. 6; v. 236; p. 48.
- Wilken, William F. (See Krapf, Frederick W., Jr., assignor.)
- Wilkes, Clarence H., Gloversville, N. Y., assignor to F. Klein, trustee, Sewing-machine. No. 1,233,428; July 17; v. 240; p. 692.
- Wikie, William, Dennistoun, Glasgow, Scotland. Appliance for pressing the collars of articles of wearing-apparel. No. 1,229,366; June 12; v. 239; p. 384.
- Wikie, William, Dennistoun, Glasgow, Scotland. Machine for turning down the edges of cloth of wearing-apparel in the process of manufacture. No. 1,230,636; June 19; v. 239; p. 843.
- Wikie, William, Glasgow, Scotland. Apparatus for opening and pressing the seams of wearing-apparel. No. 1,249,267; Dec. 4; v. 245; p. 242.
- Wilkin, William M., Erie, Pa. Steam-engine. No. 1,214,858; Feb. 6; v. 235; p. 129.
- Wilkin, William M., Erie, Pa. Steam-engine. No. 1,214,859; Feb. 6; v. 235; p. 130.
- Wilkin, William M., Erie, Pa. Valve-gear for steam-engines. No. 1,216,032; Feb. 13; v. 235; p. 583.
- Wilkin, William M., Erie, Pa. Mechanism for operating sawmill set-works. No. 1,230,969; June 26; v. 239; p. 992.
- Wilkins, Charles A., Bradford, Pa. Device for measuring wells. No. 1,251,152; Dec. 25; v. 245; p. 916.
- Wilkins, George H., Greenfield, Mass., assignor to George H. Wilkins Company, Chicago, Ill. Device for filling pipe-joints. No. 1,226,043; May 15; v. 238; p. 758.
- Wilkins, Jess C., Fountain, Colo. Sanitary poultry-roost. No. 1,233,533; July 17; v. 240; p. 726.
- Wilkins, Leslie T., Laurel, Mont. Chopping-wheel. No. 1,216,033; Feb. 13; v. 235; p. 584.
- Wilkins, William H., Newark, N. J. Resilient wheel. No. 1,244,934; Oct. 30; v. 243; p. 1221.
- Wilkinson, Benjamin F., assignor of one-half to M. Salisbury, Sr., Independence, Mo. Nut-lock. No. 1,246,689; Nov. 13; v. 244; p. 493.
- Wilkinson, Clarence G., assignor of one-half to H. W. Brown, Magnolia, Mass. Wind-shield cleaner. No. 1,236,800; Aug. 14; v. 241; p. 444.
- Wilkinson, Francis A., Hatfield, England. Internal-combustion engine. No. 1,224,254; May 1; v. 238; p. 50.
- Wilkinson, George D., Oak Park, and A. F. Harter, assignors to Cribben & Sexton Company, Chicago, Ill. Combined coal and gas range. No. 1,251,153; Dec. 25; v. 245; p. 916.
- Wilkinson, John F., assignor to A. F. Evans, trustee, Winchendon, Mass. Progressive rocking-horse. No. 1,212,122; Jan. 9; v. 234; p. 633.
- Wilkinson, Louis H., and W. G. Barker, assignors to Manning, Bowman & Company, Meriden, Conn. Electrically-heated utensil. No. 1,227,721; May 29; v. 238; p. 1389.
- Wilkinson Manufacturing Co., The. (See Swingle and Mangon, assignors.)
- Wilks, Joseph P., Uttoxeter, assignor of one-half to W. Hill, Birmingham, England. Bullet-proof and like garment and covering for horses and articles exposed to acts of warfare. No. 1,239,329; Sept. 4; v. 242; p. 195.
- Will, Anthony J., assignor to The August Maag Company, Baltimore, Md. Baking-pan. No. 1,212,864; Jan. 16; v. 234; p. 925.
- Will, Frederick, assignor to Sill Stove Works, Rochester, N. Y. Water-heater. No. 1,242,294; Oct. 9; v. 243; p. 303.
- Will, Henry N., Elmhurst, assignor to Non-Slip Tile Company, New York, N. Y. Floor-tile. No. 1,225,908; May 15; v. 238; p. 712.
- Will, William G., Fairview, Ill. Transmission device. No. 1,248,583; Dec. 4; v. 245; p. 47.
- Willans, George H., London, England. Feed-water-heating and water-circulating apparatus for locomotive and other boilers. No. 1,247,769; Nov. 27; v. 244; p. 875.
- Willard, Arthur G., Los Angeles, Cal. Top-closure for oil-well casings. No. 1,220,998; Mar. 27; v. 236; p. 1184.
- Willard, Charles A., Madison, Conn. Portable abutment for automatic train-stops. No. 1,228,153; May 29; v. 238; p. 1534.
- Willard, Daniel M., assignor of one-half to A. J. Mills, Bakersfield, Cal. Flying-machine. No. 1,242,295; Oct. 9; v. 243; p. 303.
- Willard, George D., Spearfish, S. D. Combination hoe and implement. No. 1,239,653; Sept. 11; v. 242; p. 325.
- Willard, George W., assignor of one-third to C. A. French, Sherbrooke, and one-third to L. R. Willard, East Angus, Quebec, Canada. Pipe-wrench. No. 1,225,909; May 15; v. 238; p. 712.
- Willard, Lockhart R., et al. (See Willard, George W., assignor.)
- Willard, Maurice L., assignor to The Superior Type Company, Chicago, Ill. Hand-stamp. No. 1,236,801; Aug. 14; v. 241; p. 444.
- Willard Storage Battery Company. (See Willard, Theodore A., assignor.)
- Willard, Theodore A., Cleveland, Ohio. Separator for storage batteries and making the same. No. 1,218,967; Mar. 13; v. 236; p. 414.
- Willard, Theodore A., Cleveland, Ohio. Separator for storage batteries and producing the same. No. 1,243,368; Oct. 16; v. 243; p. 673.
- Willard, Theodore A., Cleveland, Ohio. Tubular diaphragm for storage-battery electrodes and producing the same. No. 1,243,369; Oct. 16; v. 243; p. 674.
- Willard, Theodore A., Cleveland, Ohio. Storage-battery separator and producing the same. No. 1,243,370; Oct. 16; v. 243; p. 674.
- Willard, Theodore A., Cleveland, Ohio. Porous tube for storage batteries. No. 1,243,371; Oct. 16; v. 243; p. 674.
- Willard, Theodore A., Cleveland, Ohio. Making storage-battery separators. No. 1,243,372; Oct. 16; v. 243; p. 674.
- Willard, Theodore A., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. No. 1,224,434; May 1; v. 238; p. 116.
- Willard, Theodore A., assignor to Willard Storage Battery Company, Cleveland, Ohio. Connector and connection for storage batteries. No. 1,225,297; May 8; v. 238; p. 463.
- Willard, Theodore A., assignor to Willard Storage Battery Company, Cleveland, Ohio. Connector and connection for storage batteries. No. 1,225,298; May 8; v. 238; p. 463.
- Willard, Theodore A., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. No. 1,226,290; May 15; v. 238; p. 846.
- Willard, Theodore A., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. No. 1,237,733; Aug. 21; v. 241; p. 779.
- Willard, Theodore A., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. No. 1,248,768; Dec. 4; v. 245; p. 101.
- Willard, Theodore A., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. No. 1,249,268; Dec. 4; v. 245; p. 243.
- Willard, Walter C., Cleveland, Ohio. Hydrocarbon-generator. No. 1,211,263; Jan. 2; v. 234; p. 306.
- Willbert Manufacturing Company. (See Smith, Bert H., assignor.)
- Willert Manufacturing Company, The. (See Smith and Inwood, assignors.)
- Willcox & Gibbs Sewing Machine Co. (See Merritt, Arthur A., assignor.)
- Willcox & Gibbs Sewing Machine Co. (See Osterhout, Garret B., assignor.)
- Wille, Henry V., assignor to The Baldwin Locomotive Works, Philadelphia, Pa. Washout-plug. No. 1,219,206; Mar. 13; v. 236; p. 495.
- Willeford, John W., Thomasville, Ga. Window-shade-roller hanger. No. 1,233,007; July 10; v. 240; p. 518.
- Willems, John H., Kenosha, Wis. Adjustable bed-spring. No. 1,229,561; June 12; v. 239; p. 450.

Alphabetical list of patentees—Continued.

- Willens, George, assignor to Kineto Machine Company, Chicago, Ill. Stereopticon advertising-clock. No. 1,218,607; Mar. 6; v. 236; p. 248.
- Willer, William C., Swift Current, Saskatchewan, Canada. Wrench. No. 1,236,802; Aug. 14; v. 241; p. 445.
- Willers, Carl, Chicago, Ill. Signal. No. 1,224,695; May 1; v. 238; p. 206.
- Willett, Alfred H., West New York, N. J., assignor to American Arch Company, New York, N. Y. Locomotive-boiler furnace. No. 1,229,379; June 12; v. 239; p. 389.
- Willett, Alfred H., West New York, N. J., assignor to American Arch Company, New York, N. Y. Wooten-type fire-box. No. 1,229,385; June 12; v. 239; p. 390.
- Willett, Alfred H., West New York, N. J., assignor to American Arch Company, New York, N. Y. Wooten-fire-box arch. No. 1,229,386; June 12; v. 239; p. 391.
- Willett, Alfred H., West New York, N. J., assignor to American Arch Company, New York, N. Y. Air-admission wall for locomotive fire-boxes. No. 1,229,387; June 12; v. 239; p. 391.
- Willett, Benedict E., Dayton, Ohio. Display-rack. No. 1,247,195; Nov. 20; v. 244; p. 675.
- Willett, Benjamin F., Woodward, Okla. Foldable screen-supporting frame. No. 1,247,196; Nov. 20; v. 244; p. 676.
- Willett, John H., Chicago, Ill. Arch-support. No. 1,240,275; Sept. 18; v. 242; p. 559.
- Willett, Wallace, East Orange, N. J. Spark-plug. No. 1,247,049; Nov. 20; v. 244; p. 633.
- Willett, William R., Montreal, Quebec, Canada. Snap-faster. No. 1,229,562; June 12; v. 239; p. 451.
- Willey Company, The. (See Leonard and Reeps, assignor.)
- Willey, Frank E., Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Pressure-actuated valve. No. 1,219,410; Mar. 13; v. 236; p. 566.
- William A. Berkey Furniture Company. (See Hansen, Neils C., assignor.)
- William A. Sexton Company. (See Sexton, Robert H., assignor.)
- William B. Pollock Company, The. (See Reilly, Edgar J., assignor.)
- William Barker Company. (See Dormandy, Curtis W., assignor.)
- William Beehler, Inc. (See Beehler, William H., assignor.)
- William Carter Co., The. (See Carter, William H., assignor.)
- William Carter Company, The. (See Drumbheller, William P., assignor.)
- William Cramp & Sons Ship & Engine Building Company, The. (See Metten, John F., assignor.)
- William Cramp & Sons Ship & Engine Building Company, The. (See Shaw, James C., assignor.)
- William F. Jobbins, Incorporated. (See Hersman, Paul R., assignor.)
- William F. Jobbins, Incorporated. (See Lawrie, James W., assignor.)
- William H. Dalton Co. (See Dalton, William H., assignor.)
- William M. Crane Company. (See O'Dowd, Henry W., assignor.)
- William Mann Company. (See Deckert, Joseph O., assignor.)
- William R. Warner & Company. (See Kallenbach, Edward E., assignor.)
- William Schollhorn Company, The. (See Bernard, William A., assignor.)
- William Shakespeare, Jr., Company. (See Shakespeare and Schmid, assignors.)
- William Underwood Company. (See Cleveland, Francis D., assignor.)
- Williams, Albert A. (See Khumber and Williams.)
- Williams, Albert W., and W. O. De Kines, St. Louis, Mo. Dust-pan. No. 1,238,860; Sept. 4; v. 242; p. 45.
- Williams, Alfonso L., Los Angeles, Cal. Trolley-head. No. 1,216,901; Feb. 20; v. 235; p. 937.
- Williams, Alfred O., Detroit, Mich. Fuel-injection valve. No. 1,242,296; Oct. 9; v. 243; p. 303.
- Williams, Amos, Kansas City, Kans., and H. N. Strait, said Williams assignor to H. S. Julian, Kansas City, Mo. Street-car signal. No. 1,245,415; Nov. 6; v. 244; p. 82.
- Williams & Anderson Co., The. (See Anderson, Samuel, assignor.)
- Williams, Andrew P., Chicago, Ill. Car end. No. 1,244,677; Oct. 30; v. 243; p. 1143.
- Williams, Anthony F., assignor to North East Electric Company, Rochester, N. Y. Engine-starting mechanism. No. 1,236,803; Aug. 14; v. 241; p. 445.
- Williams, Anthony F., and E. A. Halbleb, assignors to North East Electric Company, Rochester, N. Y. Electric switch. No. 1,216,386; Feb. 20; v. 235; p. 760.
- Williams, Archie J., Covington, Ky. Wireless sounder. No. 1,220,920; Mar. 27; v. 236; p. 1157.
- Williams, Arthur C. (See Williams, Oliver P., assignor.)
- Williams Articulator Company. (See Williams, Charles E., assignor.)
- Williams, Ashton H. (See Turbeville, Maxie D., assignor.)
- Williams, Benjamin F., Grand Rapids, Mich. Music-leaf turner. No. 1,225,546; May 8; v. 238; p. 547.
- Williams, Bert C., assignor of thirty one-hundredths to F. B. Bain, San Francisco, Cal. Air valve and trap. No. 1,226,291; May 15; v. 238; p. 847.
- Williams Boltless Rail Joint Manufacturing Company. (See Williams, Willis D., assignor.)
- Williams, Brown & Earle. (See Hoffman, Frederick H., assignor.)
- Williams, Catherine E. (See Williams, William R., assignor.)
- Williams, Charles A., Seattle, Wash. Purse-net-hauling machine. No. 1,216,530; Feb. 20; v. 235; p. 811.
- Williams, Charles A., Brooklyn, N. Y. Multiple-fuse carrier. No. 1,237,005; Aug. 14; v. 241; p. 508.
- Williams, Charles E., Chicago, Ill., assignor to Williams Articulator Company. Hearing aid. No. 1,219,411; Mar. 13; v. 236; p. 566.
- Williams, Charles E., assignor to Bay State Tap & Die Company, Mansfield, Mass. Floating die-holder. No. 1,220,149; Mar. 20; v. 236; p. 858.
- Williams, Charles F. (See Williams, Ira C. and C. F.)
- Williams, Charles F., assignor to Williams Tool Company, Williams, Charles F., assignor to W. K. Miller, Hammond, Ind. Table. No. 1,236,127; Aug. 7; v. 241; p. 192.
- Erie, Pa. Lathe. No. 1,239,857; Sept. 11; v. 242; p. 392.
- Williams, Charles H., Fowler, Cal. Hoe. No. 1,225,386; May 8; v. 238; p. 494.
- Williams, Charles H., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake-beam-supporting attachment. No. 1,221,938; Apr. 10; v. 237; p. 360.
- Williams, Charles H., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake-head construction. No. 1,232,637; July 10; v. 240; p. 396.
- Williams, Charles H., assignor to Chicago Railway Equipment Company, Chicago, Ill. Clasp-brake beam. No. 1,236,804; Aug. 14; v. 241; p. 446.
- Williams, Charles H., assignor to Chicago Railway Equipment Company, Chicago, Ill. Rail-brace. No. 1,240,276; Sept. 18; v. 242; p. 560.
- Williams, Charles H., assignor to Chicago Railway Equipment Company, Chicago, Ill. Connection for brake-beam supports. No. 1,249,578; Dec. 11; v. 245; p. 362.
- Williams, Charles H., assignor to E. C. Atkins & Co., Indianapolis, Ind. Hacksaw-frame. No. 1,245,545; Nov. 6; v. 244; p. 122.
- Williams, Charles J., Ferranwell, County of Cornwall, England. Apparatus for sampling streams of wet ores and the like. No. 1,235,090; July 31; v. 240; p. 1293.
- Williams, Charles O., Kansas City, Mo. Car-door fastener. No. 1,243,025; Oct. 16; v. 243; p. 571.
- Williams, Charles S., Denver, Ill. Internal-combustion engine. No. 1,217,379; Feb. 27; v. 235; p. 1145.
- Williams, Clarence B., Keystown, Saskatchewan, Canada. Operating mechanism for tractors. No. 1,230,637; June 19; v. 239; p. 843.
- Williams, Clement V., Loveland, Okla. Marking device for hens' nests. No. 1,240,277; Sept. 18; v. 242; p. 560.
- Williams Company. (See Williams, Joshua H., assignor.)
- Williams, Cora B., Malvern, Iowa. Corset. No. 1,215,601; Feb. 13; v. 235; p. 429.
- Williams, Cora B., Malvern, Iowa. Binder. No. 1,215,602; Feb. 13; v. 235; p. 429.
- Williams, Davis S., Los Angeles, Cal. Reinforced-concrete rail-tie. No. 1,244,813; Oct. 30; v. 243; p. 1185.
- Williams, Delavergne P. and J. F., New York, N. Y. Relay. No. 1,236,128; Aug. 7; v. 241; p. 193.
- Williams, Dick B., assignor to Louisiana Nut and Produce Company, New Orleans, La. Automatic weighing apparatus. No. 1,222,913; Apr. 17; v. 237; p. 741.
- Williams, Dick B., assignor to Louisiana Nut and Produce Company, New Orleans, La. Nut-cracking machine. No. 1,238,238; Aug. 28; v. 241; p. 974.
- Williams, Earl. (See Aidlotte, William F., assignor.)
- Williams, Earl J. (See Southland, Benjamin H., assignor.)
- Williams, Eden B., Chamberlin, La. Reinforced-concrete flower-pot. No. 1,224,820; May 1; v. 238; p. 250.
- Williams, Edward, Edgbaston, Birmingham, England. Clutch. No. 1,219,207; Mar. 13; v. 236; p. 495.
- Williams, Edward, Edgbaston, Birmingham, England. Clutch. No. 1,237,849; Aug. 21; v. 241; p. 815.
- Williams, Edward, Jr., Wrexham, Wales. Means for controlling the opening of railway-carriage doors. No. 1,211,990; Jan. 9; v. 234; p. 591.
- Williams, Edward L., Santa Cruz, Cal., assignor to Coin Time Lock Co., Chicago, Ill. Lock. No. 1,239,240; Sept. 4; v. 242; p. 167.
- Williams, Edward Q., Syracuse, N. Y. Spark-plug. No. 1,248,046; Nov. 27; v. 244; p. 951.
- Williams, Elisha R., Altheimer, Ark. Guard-rail brace. No. 1,219,612; Mar. 20; v. 236; p. 666.
- Williams, Elzy R., St. Joseph, Mo. Trigger mechanism. No. 1,243,120; Oct. 16; v. 243; p. 599.
- Williams, Francis E., Hartford, Conn. Scraper. No. 1,228,154; May 29; v. 238; p. 1535.
- Williams, Frank C., Philadelphia, Pa., assignor to The Safety Block Signal Company. Stopping mechanism for railway-cars. No. 1,218,587; Mar. 6; v. 236; p. 241.
- Williams, Frank R., Ottumwa, Iowa. Drill. No. 1,210,747; Jan. 2; v. 234; p. 127.
- Williams, Frank T., assignor to Edward Miller & Co., Meriden, Conn. Burner. No. 1,235,268; July 31; v. 240; p. 1346.

- Williams, Frank W. (See Parnall, Archie E., assignor.)
- Williams, Fred B., Highland Park, Ill., assignor to Splitt-dorf Electrical Company, Newark, N. J. Starter-coupling. No. 1,226,933; May 22; v. 238; p. 1094.
- Williams, Fred L., San Francisco, Cal. Power-generating apparatus. No. 1,214,103; Jan. 30; v. 234; p. 1416.
- Williams, Frederick A., North Yakima, Wash. Inking attachment for presses. No. 1,210,576; Jan. 2; v. 234; p. 68.
- Williams, French, assignor of one-half to J. Hogan, Little Rock, Ark. Saw-filing machine. No. 1,223,131; Apr. 17; v. 237; p. 816.
- Williams, George A. (See Nichols and Kelsea, assignors.)
- Williams, George A., Lark, Utah. Mixer. No. 1,230,638; June 19; v. 239; p. 844.
- Williams, George A., assignor to The Williams Sealing Corporation, Waterbury, Conn. Bottle and cap. No. 1,214,734; Feb. 6; v. 235; p. 89.
- Williams, George B., Cincinnati, Ohio. Steam-trap. No. 1,224,821; May 1; v. 238; p. 250.
- Williams, George H., Los Angeles, Cal. Drinking device. No. 1,236,029; Aug. 7; v. 241; p. 165.
- Williams, George H. C., Metuchen, and R. H. Libbey, Belleville, assignors to Otis Elevator Company, Jersey City, N. J. Parcels-receptacle. No. 1,248,584; Dec. 4; v. 245; p. 47.
- Williams, George M., Elizabeth, N. J., assignor to P. Lorillard Company, New York, N. Y. Cigar-case. No. 1,225,092; May 8; v. 238; p. 394.
- Williams, George M., Elizabeth, N. J., assignor to P. Lorillard Company, New York, N. Y. Tool for tightening and fastening bale-bands. No. 1,241,483; Sept. 25; v. 242; p. 967.
- Williams, George R., Highland Park, Mich. Bearing for signals for automobiles. No. 1,223,917; Apr. 24; v. 237; p. 1122.
- Williams, George W., Brooklyn, N. Y. Tobacco-bag closure. No. 1,237,134; Aug. 14; v. 241; p. 550.
- Williams, Glen A., and H. A. Thayer, Pittsburg, Kans. Ore-feeding means for furnaces. No. 1,247,050; Nov. 20; v. 244; p. 633.
- Williams, Gordon, Mount Carmel, assignor to The English & Mersick Co., New Haven, Conn. Vehicle-lamp. No. 1,234,518; July 24; v. 240; p. 1081.
- Williams, Gordon, Mount Carmel, assignor to The English & Merick Co., New Haven, Conn. Lock-joint. No. 1,235,867; Aug. 7; v. 241; p. 111.
- Williams, Guy H. (See Smith and Williams.)
- Williams, Harry A., Thane, Alaska. Automobile-lock. No. 1,241,471; Sept. 25; v. 242; p. 963.
- Williams, Harry M., and J. W. Dean, Little Rock, Ark. Weed-destroyer. No. 1,238,861; Sept. 4; v. 242; p. 45.
- Williams, Harry S., assignor to The Ridgely Trimmer Company, Springfield, Ohio. Cutting-tool. No. 1,250,538; Dec. 18; v. 245; p. 685.
- Williams, Henry, Chicago, Ill., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich. Sectional furniture. No. 1,219,891; Mar. 20; v. 236; p. 763.
- Williams, Henry J., Brookline, Mass. Desk. No. 1,218,821; Mar. 13; v. 236; p. 364.
- Williams, Henry L., Camden Point, Mo. Means to prevent tanks from bursting by freezing. No. 1,238,610; Aug. 28; v. 241; p. 1094.
- Williams, Homer D., and W. Ahlen, Duquesne, Pa. Expansion-coupling. No. 1,220,483; Mar. 27; v. 236; p. 1011.
- Williams, Howard H., *et al.*, receivers. (See Matthews, Edwin S., assignor.)
- Williams, Ira C. and C. F., Albany; said Ira C. Williams assignor to C. W. Derrickson, Indianapolis, Ind. Dimmer for electric lamps. No. 1,216,756; Feb. 20; v. 235; p. 889.
- Williams, Ivor G., Hamilton, Bermuda. Pump. No. 1,248,230; Nov. 27; v. 244; p. 1004.
- Williams, J. C. (See Hiatt, Orson H., assignor.)
- Williams, J. J., *et al.* (See Thomas, Solomon, assignor.)
- Williams, Jackson, Ekron, Ky. Wire-fence stretcher. No. 1,220,040; Mar. 20; v. 236; p. 814.
- Williams, James H., Brookline, and F. A. Foss, Newton, Mass., assignors to American Piano Company, New York, N. Y. Finishing and assembling grand pianos. No. 1,242,297; Oct. 9; v. 243; p. 304.
- Williams, James P., St. Louis, Mo. Kiln. No. 1,245,846; Nov. 6; v. 244; p. 214.
- Williams, James R. (See Bonney, George W., assignor.)
- Williams, James W., assignor to National Automatic Train Stop Company, Hillyard, Wash. Automatic electrically-controlled railway-train-stopping system. No. 1,237,594; Aug. 21; v. 241; p. 734.
- Williams, John B. (See Manson, Charles L., assignor.)
- Williams, John F. (See Williams, Delavergne F. and J. F.)
- Williams, John F., New York, N. Y. Receiver-holding attachment for telephones. No. 1,221,784; Apr. 3; v. 237; p. 271.
- Williams, John H., Spring City, Pa. Locking device. No. 1,244,154; Oct. 23; v. 243; p. 947.
- Williams, John P., New York, N. Y. Electrically-protected holder for pocket-books and similar articles. No. 1,250,743; Dec. 18; v. 245; p. 745.
- Williams, John R., New York, N. Y. Gas joint or seal for closet-bowls. No. 1,236,129; Aug. 7; v. 241; p. 193.
- Williams, John S., Wyatt, Mo. Combined post-puller, jack, and wire-stretcher. No. 1,234,243; July 24; v. 240; p. 992.
- Williams, John W., Salisbury, Md. Gravity-filling oil or grease gun. No. 1,211,264; Jan. 2; v. 234; p. 306.
- Williams, John W., Fresno, Cal. Egg-preserving composition. No. 1,245,294; Nov. 6; v. 244; p. 46.
- Williams, Joseph, Cherokee, assignor of one-third to J. E. Walker, Pittsburg, Kans. Glass. No. 1,221,641; Apr. 3; v. 237; p. 222.
- Williams, Joseph A., Cleveland, Ohio. Contact-point. No. 1,236,523; Aug. 14; v. 241; p. 351.
- Williams, Joseph A., Cleveland, Ohio. Circuit-breaker for ignition systems. No. 1,244,155; Oct. 23; v. 243; p. 947.
- Williams, Joseph A., assignor to The K. W. Ignition Company, Cleveland, Ohio. Regulated fuel-heating device. No. 1,212,595; Jan. 16; v. 234; p. 831.
- Williams, Joseph A., assignor to The K. W. Ignition Company, Cleveland, Ohio. Spring-hanger. No. 1,230,970; June 26; v. 239; p. 992.
- Williams, Joseph A., assignor to The K-W Ignition Company, Cleveland, Ohio. Circuit-breaker for ignition systems. No. 1,231,681; July 3; v. 240; p. 49.
- Williams, Joseph S., Riverton, N. J. Resilient tire. No. 1,250,405; Dec. 18; v. 245; p. 645.
- Williams, Joshua H., assignor to Williams Company, Greenville, S. C. Food product manufactured from potatoes or yams and producing same. No. 1,238,371; Aug. 28; v. 241; p. 1017.
- Williams, Joshua H., assignor to Williams Company, Greenville, S. C. Food product manufactured from sweet potatoes or yams and producing same. No. 1,238,372; Aug. 23; v. 241; p. 1018.
- Williams, Joshua H., assignor to Williams Company, Greenville, S. C. Food product manufactured from sweet potatoes or yams and producing same. No. 1,238,373; Aug. 28; v. 241; p. 1018.
- Williams, Katherine G., New York, N. Y. Sink-refuse strainer. No. 1,235,269; July 31; v. 240; p. 1346.
- Williams, Lacey Y., Toledo, Ohio. Dust-guard. No. 1,223,649; Apr. 24; v. 237; p. 1028.
- Williams, Lacey Y., Toledo, Ohio. Dust-guard. No. 1,223,650; Apr. 24; v. 237; p. 1029.
- Williams, Laurence L., Spring City, Pa. Cooking utensil. No. 1,219,686; Mar. 20; v. 236; p. 692.
- Williams, Lisle C., Helena, Mont. Rifle-cleaning cartridge. No. 1,231,227; June 26; v. 239; p. 1080.
- Williams, Louis E., Fremont, assignor to National Carbon Company, Cleveland, Ohio. Apparatus for lining dry cells. No. 1,210,577; Jan. 2; v. 234; p. 69.
- Williams, Louis N. D., Ogontz, Pa. Stitch-transferring device for knitting-machines. No. 1,211,021; Jan. 2; v. 234; p. 224.
- Williams, Louis N. D., Ogontz, Pa. Web-holder guiding and retaining device for knitting-machines. No. 1,228,085; May 29; v. 238; p. 1514.
- Williams, Louis N. D., Ogontz, Pa. Machine for uniting knitted webs. No. 1,239,241; Sept. 4; v. 242; p. 168.
- Williams, Louis N. D., Ogontz, Pa. Mechanism for transferring stitches from needles of a knitting-machine. No. 1,245,546; Nov. 6; v. 244; p. 123.
- Williams, Luther J., Sardis, Miss. Washboard. No. 1,235,950; Aug. 7; v. 241; p. 138.
- Williams, Lynn A. (See Silverman, Morris, assignor.)
- Williams, Margaret B., Chicago, Ill. Lock. No. 1,234,519; July 24; v. 240; p. 1082.
- Williams, Margaret E. B., Western Port, Md. Combined sewing-machine cabinet and lap-board. No. 1,222,503; Apr. 10; v. 237; p. 558.
- Williams, Martha, Terre Haute, Ind. Sectional or knockdown doll-house. No. 1,241,594; Oct. 2; v. 243; p. 42.
- Williams, Martin L., South Bend, Ind., assignor, by mesne assignments, to Gillette Motors Company, Chicago, Ill. Motor-car manifold. No. 1,238,862; Sept. 4; v. 242; p. 45.
- Williams, Martin L., South Bend, Ind., assignor to J. W. Cleaveland, Chicago, Ill. Manifold for motor-cars. No. 1,239,424; Sept. 4; v. 242; p. 223.
- Williams, Michael J., Buffalo, N. Y. Hat-pin. No. 1,226,836; May 22; v. 238; p. 1062.
- Williams, Milford L., Revere, Mo. Acetylene-generator. No. 1,224,822; May 1; v. 238; p. 251.
- Williams, Milton F., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Dust-separator. No. 1,212,596; Jan. 16; v. 234; p. 831.
- Williams, Milton F., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Dust-separator. No. 1,214,249; Jan. 30; v. 234; p. 1466.
- Williams, Milton F., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Pneumatic separator. No. 1,235,174; July 31; v. 240; p. 1317.
- Williams, Milton F., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Rotary-mill construction. No. 1,235,868; Aug. 7; v. 241; p. 111.
- Williams, Milton F., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Dust-separator. No. 1,236,805; Aug. 14; v. 241; p. 446.
- Williams, Milton F., assignor to Williams Patent Crusher and Pulverizer Company, St. Louis, Mo. Bearing lubrication. No. 1,238,239; Aug. 28; v. 241; p. 974.
- Williams, Oliver, Empire, Ala. Signal for railway-crossings. No. 1,250,065; Dec. 11; v. 245; p. 503.

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- Williams, Oliver J., San Francisco, Cal., assignor to P. M. Gelatt, La Crosse, Wis. Thermometer for the cooling systems of internal-combustion engines. No. 1,220,150; Mar. 20; v. 236; p. 858.
- Williams, Oliver P., Youngstown, assignor of one-third to A. C. Williams, Murdock, Pa. Railway-rail. No. 1,231,465; June 26; v. 239; p. 1159.
- Williams, Oscar. (See Saunders and Williams.)
- Williams Patent Crusher and Pulverizer Company. (See Thunemann, Harry A., assignor.)
- Williams Patent Crusher and Pulverizer Company. (See Williams, Milton F., assignor.)
- Williams, Paul F., assignor to G & W Electric Specialty Co., Chicago, Ill. Pothead-connector. No. 1,225,299; May 8; v. 238; p. 463.
- Williams, Paul F., assignor to G & W Electric Specialty Co., Chicago, Ill. Connecting device for electric conductors. No. 1,225,300; May 8; v. 238; p. 464.
- Williams, Paul F., assignor to G & W Electric Specialty Co., Chicago, Ill. Pothead. No. 1,228,155; May 29; v. 238; p. 1535.
- Williams, Paul F., assignor to G & W Electric Specialty Co., Chicago, Ill. Connector for electrical conductors. No. 1,228,156; May 29; v. 238; p. 1535.
- Williams, Reuben M., Malad City, Idaho. Gate-latch. No. 1,216,034; Feb. 13; v. 235; p. 584.
- Williams, Robert, assignor of one-fourth to C. Mathes, St. Louis, Mo. Trolley-harp. No. 1,221,257; Apr. 3; v. 237; p. 91.
- Williams, Robert L., *et al.* (See Armstrong, John J., Sr., assignor.)
- Williams, Robert S., Texarkana, Tex. Shock-absorber. No. 1,244,814; Oct. 30; v. 243; p. 1185.
- Williams, Rollin A., Lima, Ohio. Ring gate-latch. No. 1,211,022; Jan. 2; v. 234; p. 224.
- Williams, Roy P., Santa Barbara, assignor to A. M. Drake, Pasadena, Cal. Spray-nozzle. No. 1,213,563; Jan. 23; v. 234; p. 1203.
- Williams, Samuel, Toledo, Ohio. Automobile-radiator. No. 1,233,429; July 17; v. 240; p. 692.
- Williams, Samuel, Elk City, Okla. Pneumatic feeder. No. 1,235,406; July 31; v. 240; p. 1387.
- Williams, Samuel A., Lockport, N. Y., assignor to The Asbestos Wood Co., Nashua, N. H. Smoke-jack. No. 1,244,156; Oct. 23; v. 243; p. 947.
- Williams, Samuel B., Jr., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone-exchange system. No. 1,221,124; Apr. 3; v. 237; p. 42.
- Williams, Samuel B., Jr., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone system. No. 1,237,433; Aug. 21; v. 241; p. 683.
- Williams, Samuel B., Jr., Brooklyn, N. Y., assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone toll device and circuit therefor. No. 1,246,201; Nov. 13; v. 244; p. 346.
- Williams, Samuel B., Jr., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone system. No. 1,247,770; Nov. 27; v. 244; p. 876.
- Williams, Samuel B., Jr., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone system. No. 1,247,771; Nov. 27; v. 244; p. 876.
- Williams Sealing Corporation, The. (See Williams, George A., assignor.)
- Williams, Seward W., assignor to Bauer & Black, Chicago, Ill. Surgical swab. No. 1,234,844; July 31; v. 240; p. 1214.
- Williams, Silas W., Gordo, Ala. Clevis-protector. No. 1,213,720; Jan. 23; v. 234; p. 1255.
- Williams, Theodore E., and M. B. Bailey, New York, N. Y. Gas-thimble. No. 1,239,150; Sept. 4; v. 242; p. 139.
- Williams, Theron H., Mart, Tex., assignor to The Buda Company, Chicago, Ill. Arc-lamp. No. 1,232,638; July 10; v. 240; p. 396.
- Williams, Thomas B. (See Smith and Williams.)
- Williams, Thomas B., Orange, Mass., and F. L. Smith, Chicago, Ill., assignors to The Leavitt Machine Company, Orange, Mass. Facing-tool for dressing valve-seats, &c. No. 1,227,511; May 22; v. 238; p. 1288.
- Williams, Thomas B., Orange, Mass., and F. L. Smith, Chicago, Ill., assignors to The Leavitt Machine Company, Orange, Mass. Facing-tool for dressing valve-seats, &c. No. 1,227,512; May 22; v. 238; p. 1288.
- Williams, Thomas B., Orange, Mass., and F. L. Smith, Chicago, Ill., assignors to The Leavitt Machine Company, Orange, Mass. Facing-tool for dressing valve-seats, &c. No. 1,227,513; May 22; v. 238; p. 1289.
- Williams, Thomas B., Orange, Mass., and F. L. Smith, Chicago, Ill., assignors to The Leavitt Machine Company, Orange, Mass. Rotary cutter. No. 1,227,514; May 22; v. 238; p. 1289.
- Williams, Thomas B., F. A. Dexter, Orange, Mass., and F. L. Smith, Chicago, Ill., assignors to The Leavitt Machine Company, Orange, Mass. Facing-tool for dressing valve-seats, &c. No. 1,227,515; May 22; v. 238; p. 1290.
- Williams, Thomas J., Coalwood, W. Va. Coal-tipple. No. 1,212,723; Jan. 16; v. 234; p. 879.
- Williams, Thomas P. (See Stuard, Smith, and Williams.)
- Williams Tool Company. (See Williams, Charles F., assignor.)
- Williams, Vincent A., Saugatuck, Conn. Automobile-speed-locking device. No. 1,218,028; Mar. 6; v. 236; p. 48.
- Williams, Wallace M., Brooklyn, N. Y. Paper box. No. 1,221,785; Apr. 3; v. 237; p. 271.
- Williams, Warner C., *et al.* (See Noel, Eugene E., assignor.)
- Williams, Warren S., Pocatello, Idaho. Composition of matter for use in the treatment of floors. No. 1,219,060; Mar. 13; v. 236; p. 446.
- Williams, White & Company. (See Cornbrooks, William, assignor.)
- Williams, White and Company. (See Freeland, George W., assignor.)
- Williams, William, Smith, Nev. Manure-loader. No. 1,216,902; Feb. 20; v. 235; p. 937.
- Williams, William A., Barton, Ohio. Mine-car-dumping apparatus. No. 1,218,029; Mar. 6; v. 236; p. 49.
- Williams, William A., Barton, Ohio. Tire-valve-unseating device. No. 1,225,910; May 15; v. 238; p. 712.
- Williams, William A., San Francisco, Cal. Flushing-tank. No. 1,225,691; May 8; v. 238; p. 596.
- Williams, William C., Winnipeg, Manitoba, Canada. Electric water-heater. No. 1,217,380; Feb. 27; v. 235; p. 1145.
- Williams, William E., Chicago, Ill. Making corrugated disks for wheels. No. 1,213,564; Jan. 23; v. 234; p. 1203.
- Williams, William E., Chicago, Ill. Tool for making wheel-disks. No. 1,213,565; Jan. 23; v. 234; p. 1203.
- Williams, William E., Chicago, Ill. Valve mechanism for explosive-engines. No. 1,216,757; Feb. 20; v. 235; p. 889.
- Williams, William E., Chicago, Ill. Wheel-rim. No. 1,221,402; Apr. 3; v. 237; p. 141.
- Williams, William E., Chicago, Ill. Lid for journal-boxes for railway-cars. No. 1,222,570; Apr. 10; v. 237; p. 583.
- Williams, William E., Chicago, Ill. Universal joint for power-shafts. No. 1,225,199; May 8; v. 238; p. 428.
- Williams, William E., Chicago, Ill. Pressed-steel journal-box. No. 1,230,057; June 12; v. 239; p. 610.
- Williams, William E., Chicago, Ill. Moving-picture film. No. 1,236,639; Aug. 14; v. 241; p. 389.
- Williams, William E., Chicago, Ill. Steel box-car. No. 1,237,434; Aug. 21; v. 241; p. 684.
- Williams, William E., Chicago, Ill. Steel end for freight-cars. No. 1,240,110; Sept. 11; v. 242; p. 467.
- Williams, William E., Chicago, Ill. Railway-car door. No. 1,240,634; Sept. 18; v. 242; p. 669.
- Williams, William E., Chicago, Ill. Metal sheathing for cars and houses. No. 1,240,635; Sept. 18; v. 242; p. 669.
- Williams, William E., Chicago, Ill. Roller side bearing for railway-cars. No. 1,240,636; Sept. 18; v. 242; p. 670.
- Williams, William E., Chicago, Ill. Tubular spoked wheel. No. 1,248,535; Dec. 4; v. 245; p. 47.
- Williams, William F., Leadwood, Mo. Aeroplane. No. 1,228,729; June 5; v. 239; p. 121.
- Williams, William H., Carey, Ohio. Insulator. (Reissue.) No. 14,256; Feb. 6; v. 235; p. 296.
- Williams, William H., Erdington, Birmingham, assignor of one-half to O. Farkasch, Newcastle-upon-Tyne, England. Coupling device for tire side chains. No. 1,223,546; Apr. 24; v. 237; p. 992.
- Williams, William R., New York, N. Y., assignor to C. E. Williams, Bakersfield, Cal. Vehicle suspension. No. 1,211,513; Jan. 9; v. 234; p. 423.
- Williams, Willis D., East St. Louis, Ill., assignor to Williams Bottless Rail Joint Manufacturing Company, Prescott, Ariz. Rail-joint. No. 1,223,918; Apr. 24; v. 237; p. 1122.
- Williams, Win D., assignor to The Right and Left Tool Holder Co., Philadelphia, Pa. Tool-holder. No. 1,229,174; June 5; v. 239; p. 269.
- Williamson, Charles S., Chicago, Ill. Portable coal-screening rig. No. 1,213,322; Jan. 23; v. 234; p. 1119.
- Williamson, Charles S., Chicago, Ill. Conveying apparatus. No. 1,213,323; Jan. 23; v. 234; p. 1119.
- Williamson, Clarence H., Altoona, Pa. Fastening device. No. 1,247,772; Nov. 27; v. 244; p. 877.
- Williamson, Edgar D., Memphis, Tenn. Tree-carrier. No. 1,235,624; Aug. 7; v. 241; p. 31.
- Williamson, George H., Jersey City, N. J. Toy. No. 1,216,195; Feb. 13; v. 235; p. 641.
- Williamson, George W., Petaluma, Cal. Advertising-kiosk. No. 1,240,637; Sept. 18; v. 242; p. 670.
- Williamson, Glenn S., New York, N. Y. Elevator safety system. No. 1,213,442; Jan. 23; v. 234; p. 1160.
- Williamson, Glenn S., New York, N. Y. Mechanism for uniting printing-press webs and the like. No. 1,217,252; Feb. 27; v. 235; p. 1101.
- Williamson, Glenn S., New York, N. Y. Uniting printing-press webs. No. 1,217,253; Feb. 27; v. 235; p. 1102.
- Williamson, Glenn S., New York, N. Y. Elevator safety-lock for vertical doors. No. 1,247,773; Nov. 27; v. 244; p. 877.
- Williamson, Herbert C., Chicago, Ill. Grenade. No. 1,231,228; June 26; v. 239; p. 1080.
- Williamson, Herbert C., Chicago, Ill. Metal-cutting band-saw. No. 1,233,430; July 17; v. 240; p. 692.

- Williamson, James E., Mansfield borough, Pa. Motor-pump. No. 1,241,320; Sept. 25; v. 242; p. 919.
- Williamson, John B., Louisville, Ky. Manicure instrument. No. 1,234,845; July 31; v. 240; p. 1214.
- Williamson, John D., Jr., assignor to American Engineering Company, Philadelphia, Pa. Equalizing mechanism for telemotor systems. No. 1,213,721; Jan. 23; v. 234; p. 1255.
- Williamson, Robert B., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electrical apparatus. No. 1,239,654; Sept. 11; v. 242; p. 326.
- Williamson, Samuel S., Philadelphia, Pa. Flush-tank. No. 1,232,147; July 3; v. 240; p. 207.
- Williamson, Thomas H., Carne, N. Mex. Windmill. No. 1,224,049; Apr. 24; v. 237; p. 1166.
- Williamson, William J., and J. F. Shoemaker, Jennings, La. Apparatus for grading roads, &c. No. 1,241,070; Sept. 25; v. 242; p. 838.
- Williamson, William P., Ludlow, Mass. Dispenser. No. 1,216,640; Feb. 20; v. 235; p. 849.
- Williamsport Radiator Company. (See MacMullan and Ulmer, assignors.)
- Willing, Caughy B. (See Willing, William L. and C. B.)
- Willing, William L. and C. B., Bellevue, Ohio. Composition for lithic building material. No. 1,226,292; May 15; v. 238; p. 847.
- Willis, Bernard, assignor to Geo. D. Barnard & Company, St. Louis, Mo. Statement-sheet. No. 1,244,815; Oct. 30; v. 243; p. 1185.
- Willis, Bernard D., Chicago, Ill. Safety purse-holder. No. 1,225,692; May 8; v. 238; p. 596.
- Willis, Bernard D., assignor to Automatic Electric Company, Chicago, Ill. Semi-automatic telephone system. No. 1,230,639; June 19; v. 239; p. 844.
- Willis, Bernard D., assignor to Automatic Electric Company, Chicago, Ill. Substation-circuit. No. 1,238,705; Aug. 28; v. 241; p. 1122.
- Willis, Bernard D., assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. No. 1,244,816; Oct. 30; v. 243; p. 1183.
- Willis, Bernard D., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,245,650; Nov. 6; v. 244; p. 155.
- Willis, C. C. (See Parker and Smith, assignors.)
- Willis, Elijah J., assignor of one-third to C. S. Wallace, Morehead City, N. C. Spark-plug. No. 1,214,401; Jan. 30; v. 234; p. 1520.
- Willis, Floyd J., Notasulga, Ala. Mechanical power-transmitting device. No. 1,211,023; Jan. 2; v. 234; p. 224.
- Willis, Gail A., Denver, Colo. Nutcracker. No. 1,243,121; Oct. 16; v. 243; p. 600.
- Willis, George M., assignor to Brown, Hanson & Boettcher, Chicago, Ill. Radiator and making the same. No. 1,243,471; Oct. 16; v. 243; p. 703.
- Willis, George M., Chicago, Ill. assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Engine-starter. No. 1,246,690; Nov. 13; v. 244; p. 493.
- Willis, George W., Auburn, N. Y., assignor to International Harvester Company of New Jersey. Double-disk harrow. No. 1,245,295; Nov. 6; v. 244; p. 46.
- Willis, Harry L., assignor to Union Special Machine Company, Chicago, Ill. Overall-suspenders and making the same. No. 1,238,611; Aug. 28; v. 241; p. 1094.
- Willis, Henry W., Lansford, N. D. Grain-car door. No. 1,249,703; Dec. 11; v. 245; p. 399.
- Willis, John, assignor to American Plate Glass Company, Kane, Pa. Sand-grading apparatus for glass-grinding machinery. No. 1,223,461; Apr. 24; v. 237; p. 960.
- Willis, John, assignor to American Plate Glass Company, Kane, Pa. Sand-grading apparatus. No. 1,246,202; Nov. 13; v. 244; p. 846.
- Willis, Leland, assignor to Bateman Manufacturing Company, Grenloch, N. J. Mounting the teeth or blades of agricultural implements. No. 1,213,566; Jan. 23; v. 234; p. 1203.
- Willis, Leland, assignor to Bateman Manufacturing Company, Grenloch, N. J. Riding-cultivator. No. 1,248,231; Nov. 27; v. 244; p. 1004.
- Willis, Walter, Lead, S. D. Soldering-torch. No. 1,248,769; Dec. 4; v. 245; p. 101.
- Willis, William, assignor to A. Ransome & Company, Limited, Newark-upon-Trent, England. Feeding device for lumber-jointing machines. No. 1,248,967; Dec. 4; v. 245; p. 157.
- Willis, William E., Fairview, Okla. Ice-handling apparatus. No. 1,218,917; Mar. 13; v. 236; p. 398.
- Willis, William Z., Bear Creek, Ala. Automatic wagon-brake. No. 1,224,587; May 1; v. 238; p. 169.
- Willison, John, Derby, England, assignor to The National Malleable Castings Company, Cleveland, Ohio. Draft-rigging. No. 1,215,315; Feb. 6; v. 235; p. 290.
- Willison, John, Derby, England, assignor to The National Malleable Castings Company, Cleveland, Ohio. Car-coupling. No. 1,229,367; June 12; v. 239; p. 385.
- Willison, Ralph A., Portland, Oreg. Flashing for sidewalk-lights. No. 1,243,235; Oct. 16; v. 243; p. 634.
- Williston, Benjamin F., assignor of one-half to R. E. Green, Detroit, Mich. Variable-resistance unit. No. 1,226,837; May 22; v. 238; p. 1062.
- Willitz, Herman C. (See Pierson and Willitz.)
- Willman, Southwell, Spokane, Wash. Type-writer desk-case. No. 1,246,203; Nov. 13; v. 244; p. 347.
- Willmann, Joseph, Derby, Conn. Pasteurizing apparatus. No. 1,210,578; Jan. 2; v. 234; p. 69.
- Willoughby, Alfred B., Philadelphia, Pa. Process of and apparatus for pulverizing and treating ores, clay, and other mineral substances. No. 1,246,514; Nov. 13; v. 244; p. 441.
- Willoughby, Victor, Jeffersonville, Ind., assignor to American Car and Foundry Company, St. Louis, Mo. Mail-pouch rack. No. 1,224,823; May 1; v. 238; p. 251.
- Willoughby, Victor, Jeffersonville, Ind., assignor to American Car and Foundry Company, St. Louis, Mo. Coupling for mine-cars. No. 1,224,824; May 1; v. 238; p. 251.
- Willoughby, Victor, Jeffersonville, Ind., assignor to American Car and Foundry Company, St. Louis, Mo. Passenger-car roof. No. 1,224,825; May 1; v. 238; p. 252.
- Willour, Le Roy, assignor to The Ashland Products Co., Ashland, Ohio. Jack. No. 1,238,863; Sept. 4; v. 242; p. 46.
- Willour, Le Roy, assignor to The Ashland Products Co., Ashland, Ohio. Jack. No. 1,240,278; Sept. 18; v. 242; p. 560.
- Wills, Albert P., New York, N. Y. Roller-bearing. No. 1,222,833; Apr. 17; v. 237; p. 714.
- Wills, Arthur J., Brookfield, Mass. Means for attaching heels. No. 1,227,722; May 29; v. 238; p. 1389.
- Wills, Saladin H., Newlin, Tex. Cotton-chopper. No. 1,210,579; Jan. 2; v. 234; p. 70.
- Wills, Wayne, assignor to American Seating Company, Chicago, Ill. Adjustable chair. No. 1,237,850; Aug. 21; v. 241; p. 815.
- Wills, William M., et al. (See Payne, Wallace A., assignor.)
- Wills, William M., et al. (See Payne and Gosnell, assignors.)
- Wills, William S., Covington, Va. Vehicle-truck. No. 1,239,996; Sept. 11; v. 242; p. 434.
- Willsea, Louis P., Rochester, N. Y. Bag-shaking machine. No. 1,214,628; Feb. 6; v. 235; p. 51.
- Willie, Henry E., New York, N. Y. Concrete building-block. No. 1,234,244; July 24; v. 240; p. 992.
- Willson, Augustus C., Des Moines, Iowa. Road-making machine. No. 1,225,547; May 8; v. 238; p. 547.
- Willson, Frederick, and N. Bourquin, assignors to T. A. Willson & Co., Inc., Reading, Pa. Eye-shield spectacles. No. 1,225,548; May 8; v. 238; p. 547.
- Willson, Mendal W., assignor of one-third to H. Littig and one-third to Z. Moore, Mount Carmel, Ill. Removing and preventing boiler-scale. No. 1,223,547; Apr. 24; v. 237; p. 993.
- Willson, Russell A., Spokane, Wash. Electric heater for hot-water tanks. No. 1,244,817; Oct. 30; v. 243; p. 1186.
- Willson, Samuel T., Brooklyn, N. Y. Fluid-fuel burner. No. 1,215,229; Feb. 6; v. 235; p. 260.
- Willson, Thomas G., Swissvale, and A. H. Maranda, Pittsburgh, Pa. Rail-separator. No. 1,230,256; June 19; v. 239; p. 717.
- Willson, W. H. (See Robinson, Jesse T., assignor.)
- Willson, William H., Los Angeles, Cal. Fireworks. No. 1,217,544; Feb. 27; v. 235; p. 1206.
- Willson, William N. C., Berryville, Va. Poultry-fetter. No. 1,240,111; Sept. 11; v. 242; p. 468.
- Willson, William W., Gahanna, Ohio. Sprocket-wheel. No. 1,227,353; May 22; v. 238; p. 1236.
- Wilmans, Lloyd L., Irving, Tex. Line-type-casting machine. No. 1,238,972; Sept. 4; v. 242; p. 81.
- Wilmington Auto Company. (See Lewis, Newton J., assignor.)
- Wilmot Castle Company. (See Underwood, Weedon B., assignor.)
- Wilmot, John F., Jamestown, N. Y. Folding chair. No. 1,242,406; Oct. 9; v. 243; p. 338.
- Wilmot, Roy, Larimore, N. D. Autographic camera. No. 1,240,910; Sept. 25; v. 242; p. 790.
- Wilms, Lee W., assignor to The Scholl Manufacturing Company, Chicago, Ill. Foot-treatment apparatus. No. 1,213,786; Jan. 23; v. 234; p. 1277.
- Wilms, Lee W. V., Chicago, Ill. Foot-support. No. 1,232,455; July 3; v. 240; p. 303.
- Wilmsen, Bernard, Philadelphia, Pa. Ornament for Christmas-trees, decorations, &c. No. 1,217,675; Feb. 27; v. 235; p. 1252.
- Wilner, Phillip, Cleveland, Ohio. Liquid-level. No. 1,234,594; July 24; v. 240; p. 1105.
- Wiloth, Leo, and A. L. Greer, Denver, Colo.; said Wiloth assignor to said Greer. Bath-cabinet. No. 1,240,911; Sept. 25; v. 242; p. 790.
- Wilpnone, Moses, Aberdeen, Wash. Collapsible box or crate. No. 1,218,502; Mar. 6; v. 236; p. 211.
- Wilputte, Louis, New York, N. Y. Coke-oven. No. 1,212,865; Jan. 16; v. 234; p. 925.
- Wilputte, Louis, New York, N. Y. Coke-oven and operating the same. No. 1,212,866; Jan. 16; v. 234; p. 925.
- Wilputte, Louis, New Rochelle, N. Y. Coke-oven. No. 1,213,988; Jan. 30; v. 234; p. 1376.
- Wiley, Irven H., assignor of one-half to F. A. Adkins and one-half to W. H. Green, Chicago, Ill. Determining heat ratios. No. 1,238,463; Aug. 28; v. 241; p. 1049.
- Wilson, Adney J., Vancouver, British Columbia, Canada. Amusement device. No. 1,248,770; Dec. 4; v. 245; p. 101.
- Wilson, Albert B., Lowell, Mass. Moistening device. No. 1,240,279; Sept. 18; v. 242; p. 560.

Alphabetical list of patentees—Continued.

- Wilson, Albert L., and F. McGlinchy, Willoughby, Ohio. Woodworking-vice. No. 1,211,024; Jan. 2; v. 234; p. 225.
- Wilson, Alfred W. G., Ottawa, Ontario, Canada. Ball for shrapnel and making the same. No. 1,246,204; Nov. 13; v. 244; p. 347.
- Wilson, Allen P., assignor to Boston Pencil Pointer Company, Waltham, Mass. Pencil-pointer. No. 1,249,579; Dec. 11; v. 245; p. 362.
- Wilson, Alvah F., assignor of one-half to J. H. McCabe, Cincinnati, Ohio. Draft indicating and recording gage. No. 1,236,524; Aug. 14; v. 241; p. 352.
- Wilson, Andrew H., *et al.* (See Noah, Robert S., assignor.)
- Wilson, Arthur G., and C. O. Oleson, Valley City, N. D. Winding attachment for vehicle-wheels. No. 1,229,368; June 12; v. 239; p. 385.
- Wilson, Bertram E., Rochester, N. Y. Commutation-ticket. No. 1,232,877; July 10; v. 240; p. 477.
- Wilson, Brice, *et al.* (See Hill, Jesse H., assignor.)
- Wilson, Cecil R., Babylon, W. Va. Table attachment for beds. No. 1,217,676; Feb. 27; v. 235; p. 1253.
- Wilson, Charles E. (See Conrad and Wilson.)
- Wilson, Charles E., Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting mechanism for automobiles. No. 1,215,453; Feb. 13; v. 235; p. 372.
- Wilson, Charles E., Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Adjusting device for bearings and manufacturing the same. No. 1,229,693; June 12; v. 239; p. 494.
- Wilson, Charles E., Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting and generating mechanism. No. 1,231,682; July 3; v. 240; p. 50.
- Wilson, Charles E., Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting mechanism for automobiles. No. 1,246,205; Nov. 13; v. 244; p. 347.
- Wilson, Charles E., Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting mechanism for automobiles. No. 1,246,206; Nov. 13; v. 244; p. 348.
- Wilson, Charles E., Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting mechanism for automobiles. No. 1,246,207; Nov. 13; v. 244; p. 348.
- Wilson, Charles E., Wilkensburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Starting mechanism for automobiles. No. 1,246,691; Nov. 13; v. 244; p. 493.
- Wilson, Charles M., Elmira, N. Y. Combined turning plug and check-valve. No. 1,221,258; Apr. 3; v. 237; p. 91.
- Wilson, Charles W., York, Pa. Mask for making photographic prints. No. 1,247,051; Nov. 20; v. 244; p. 634.
- Wilson, Claude W., Colome, S. D. Adjustable side and end board construction for vehicle-bodies. No. 1,233,154; July 10; v. 240; p. 567.
- Wilson & Co. (See Bloksom, Berget H., assignor.)
- Wilson, David H., Paterson, N. J. Storage battery. No. 1,240,280; Sept. 18; v. 242; p. 561.
- Wilson, David H., Ridgewood, N. J., assignor to Wilson Storage Battery Company, New York, N. Y. Apparatus for charging storage batteries. No. 1,224,936; May 8; v. 238; p. 357.
- Wilson Dress-Hook Company, The. (See Wilson, Frank E., assignor.)
- Wilson, Edgar H., Chartiers township, Allegheny county, and W. F. Clark, Coraopolis, Pa. Renewable fuse. No. 1,220,334; Mar. 27; v. 236; p. 976.
- Wilson, Edgar P., Los Angeles, Cal. Cutter. No. 1,234,846; July 31; v. 240; p. 1214.
- Wilson, Edward, Liverpool, England. Drum tanning apparatus. No. 1,236,806; Aug. 14; v. 241; p. 446.
- Wilson, Edward E., Cleveland, Ohio. Matrix or type bar or holder. No. 1,225,093; May 8; v. 238; p. 394.
- Wilson, Elmer A., assignor of one-third to F. C. Brocker, Portland, Oreg. Resilient tire. No. 1,245,296; Nov. 6; v. 244; p. 46.
- Wilson, Emery J., Cleveland, Ohio. Clutch. No. 1,249,704; Dec. 11; v. 245; p. 399.
- Wilson, Frank B. (See Bayley and Wilson.)
- Wilson, Frank E., London, England. Automobile-lighting apparatus. No. 1,248,968; Dec. 4; v. 245; p. 157.
- Wilson, Frank E., assignor to The Wilson Dress-Hook Company, Cleveland, Ohio. Sewing-machine. No. 1,245,297; Nov. 6; v. 244; p. 46.
- Wilson, Frank R., *et al.* (See Choteau, Henry H., assignor.)
- Wilson, Fred. (See Starbuck and Seelye, assignors.)
- Wilson, Frederick W., Elmhurst, N. Y. Illuminated sign. No. 1,228,507; June 5; v. 239; p. 45.
- Wilson, George, Mankato, Minn. Reversing mechanism for internal-combustion engines. No. 1,214,860; Feb. 6; v. 235; p. 130.
- Wilson, George, Mankato, Minn. Reversing mechanism for internal-combustion engines. No. 1,214,861; Feb. 6; v. 235; p. 131.
- Wilson, George A., Chase Mills, N. Y. Sediment-tester. No. 1,248,232; Nov. 27; v. 244; p. 1004.
- Wilson, George D. (See Davis, Monroe, assignor.)
- Wilson, George W. (See Towler, Elva B., assignor.)
- Wilson, Goodridge B., Camden, assignor of one-half to L. B. Shotwell, Crockett, Tex. Automatic water cut-off. No. 1,246,368; Nov. 13; v. 244; p. 397.
- Wilson, Harrison D., assignor to McFarland-Hyde Company, Chicago, Ill. Latch for doors. No. 1,247,052; Nov. 20; v. 244; p. 634.
- Wilson, Harry, St. Helens, Oreg. Automatic train-stop. No. 1,229,846; June 12; v. 239; p. 545.
- Wilson, Harry L., Boston, Mass. Actuating mechanism for rotary barbers' poles. No. 1,248,233; Nov. 27; v. 244; p. 1005.
- Wilson, Harry L., assignor of one-third to J. F. Loeffler, Washington, D. C. Siphon. No. 1,230,971; June 26; v. 239; p. 993.
- Wilson, Hazen L. (See Cunningham and Wilson.)
- Wilson, Henry, Meadows, Idaho. Milk-pail. No. 1,218,147; Mar. 6; v. 236; p. 90.
- Wilson, Henry S., Boston, Mass. Awning. No. 1,237,006; Aug. 14; v. 241; p. 509.
- Wilson, Herbert H., Los Angeles, Cal. Punching-bag platform. No. 1,242,626; Oct. 9; v. 243; p. 409.
- Wilson, Herbert H., Los Angeles, Cal. Outing-garment. No. 1,247,053; Nov. 20; v. 244; p. 634.
- Wilson, Herbert J. (See Elder and Wilson.)
- Wilson-Hughes, John C., Lowell, Mass. Game device. No. 1,248,970; Dec. 4; v. 245; p. 158.
- Wilson, J. Pearl, Jacksonville, Fla. Chain-lug. No. 1,226,156; May 15; v. 238; p. 796.
- Wilson, James M., assignor to Splittdorf Electrical Company, Newark, N. J. Igniting and lighting generator. No. 1,219,518; Mar. 20; v. 236; p. 633.
- Wilson, James M., assignor to Splittdorf Electrical Company, Newark, N. J. Automatic switching mechanism. No. 1,219,519; Mar. 20; v. 236; p. 633.
- Wilson, James M., assignor to Splittdorf Electrical Company, Newark, N. J. Electric generator. No. 1,219,520; Mar. 20; v. 236; p. 634.
- Wilson, James S., Covington, Ky. Work-holder for hand-embroidery. No. 1,229,204; June 5; v. 239; p. 279.
- Wilson, James W. (See Bone, Wilson, and McCourt.)
- Wilson, John, Glasgow, Scotland. Sugar-cane mill. No. 1,213,722; Jan. 23; v. 234; p. 1256.
- Wilson, John A., Watseka, Ill. Coal-oil burner. No. 1,220,335; Mar. 27; v. 236; p. 976.
- Wilson, John B., Pasco, Wash. Resilient wheel. No. 1,236,525; Aug. 14; v. 241; p. 352.
- Wilson, John B., Leadville, Colo. Converting motion. No. 1,251,154; Dec. 25; v. 245; p. 917.
- Wilson, John C., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Means for measuring electrical energy. No. 1,236,130; Aug. 7; v. 241; p. 193.
- Wilson, John C., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Fluid-meter. No. 1,246,799; Nov. 13; v. 244; p. 525.
- Wilson, John H., San Mateo, Cal. Hoisting-bucket. No. 1,222,834; Apr. 17; v. 237; p. 714.
- Wilson, John L., and C. O. Miller, Mount Vernon, Ohio. Vehicle steering-wheel. No. 1,237,231; Aug. 14; v. 241; p. 578.
- Wilson, John M., Montclair, assignor to F. Murphy, Newark, N. J. Cleaning apparatus. No. 1,243,472; Oct. 16; v. 243; p. 703.
- Wilson, John M., Montclair, assignor to F. Murphy, Newark, N. J. Cleaning car-cushions. No. 1,243,473; Oct. 16; v. 243; p. 704.
- Wilson, John M., Newark, assignor to F. Murphy, Newark, N. J. Renovating cane seats. No. 1,243,474; Oct. 16; v. 243; p. 704.
- Wilson, John M., assignor of one-third to V. E. Mitchell and one-third to Keith and Wright, Wichita, Kans. Steam cook-stove. No. 1,226,044; May 15; v. 238; p. 758.
- Wilson, John S. (See Smith, Harry J., assignor.)
- Wilson-Jones Loose Leaf Company. (See Fargo, Charles R., assignor.)
- Wilson, Joseph B., Chicago, Ill., assignor to The Westinghouse Electric and Manufacturing Company. Turbine-controlling mechanism. No. 1,238,374; Aug. 28; v. 241; p. 1018.
- Wilson, Julius C., Drewsey, Oreg. Brake-block iron. No. 1,244,678; Oct. 20; v. 243; p. 1143.
- Wilson, Laura, *et al.* (See Choteau, Henry H., assignor.)
- Wilson, Lee. (See Beatty, Edward T., assignor.)
- Wilson, Lee. (See Hawkins, Harry S., assignor.)
- Wilson, Leonard. (See Ramsay, Samuel R., assignor.)
- Wilson, Louis G., Morning Sun, Iowa. Automonocycle. No. 1,236,030; Aug. 7; v. 241; p. 165.
- Wilson, Louis T., Bisbee, Ariz. Hanging shelves. No. 1,227,723; May 29; v. 238; p. 1390.
- Wilson, Matthew, Holton, Kans. Adjustable cultivator-shank. No. 1,236,640; Aug. 14; v. 241; p. 389.
- Wilson, Nichols F. (See Crossley, Albert D., assignor.)
- Wilson, Odolon D., Greenville, S. C. Miter-box. No. 1,214,862; Feb. 6; v. 235; p. 131.
- Wilson, Ray O., and A. D. Sumner, assignors of forty one-hundredths to F. F. Stetson, Los Angeles, Cal. Can-top-feeding device. No. 1,250,406; Dec. 18; v. 245; p. 645.
- Wilson, Richard T., assignor of one-half to A. E. Johnson, Hastings, Mich. Artificial fish-bait. No. 1,220,921; Mar. 27; v. 236; p. 1158.
- Wilson, Robert B., trustee. (See Kuefer, Anthony, assignor.)

- Wilson, Robert H., Tacoma, Wash. Vaporizing apparatus. No. 1,211,991; Jan. 9; v. 234; p. 591.
- Wilson, Roland F., Denver, Colo. Card-case. No. 1,223,013; Apr. 17; v. 237; p. 776.
- Wilson, Rollans M., Prairie Grove, Ark. Internal-combustion engine. No. 1,218,345; Mar. 6; v. 236; p. 160.
- Wilson, Samuel F. (See Campbell, Bateman and Wilson.)
- Wilson, Samuel M., Philadelphia, Pa. Device for jogging paper. No. 1,236,892; Aug. 14; v. 241; p. 471.
- Wilson Storage Battery Company. (See Wilson, David H., assignor.)
- Wilson, Sylvester, Cloquet, Minn. Shock-absorber. No. 1,241,595; Oct. 2; v. 243; p. 42.
- Wilson, Sylvester F., and A. L. Wagner, Los Angeles, Cal. Self-propelling bed-fan. No. 1,233,155; July 10; v. 240; p. 567.
- Wilson, Thomas N., assignor of one-half to A. G. Whitmer, Portland, Oreg. Trowel. No. 1,249,580; Dec. 11; v. 245; p. 362.
- Wilson, Wallace, Philadelphia, Pa. Knit fabric. No. 1,229,369; June 12; v. 239; p. 885.
- Wilson, Wallace, Denver, Colo. Water-heater. No. 1,248,969; Dec. 4; v. 245; p. 157.
- Wilson, Walter J., Petersburg, Ind. Rotary pump. No. 1,223,919; Apr. 24; v. 237; p. 1123.
- Wilson, Walter P. (See Peterson and Wilson.)
- Wilson, Walter R., Douglas, Ga. Machine for grinding lenses. No. 1,238,612; Aug. 28; v. 241; p. 1095.
- Wilson, Walter V. (See Murphy, Lewis, and Wilson.)
- Wilson, William, Rawson, Ohio. Feeder. No. 1,250,744; Dec. 18; v. 245; p. 746.
- Wilson, William, Boston, Mass., assignor to Campbell Bosworth Machinery Company, Portland, Me. Lock-stitch sewing-machine. No. 1,216,035; Feb. 13; v. 235; p. 584.
- Wilson, William, Boston, Mass., assignor to Campbell Bosworth Machinery Company, Portland, Me. Loop-sewing attachment for sewing-machines. No. 1,241,182; Sept. 25; v. 242; p. 873.
- Wilson, William A., Santa Clara, Cal. Liquid-fuel burner. No. 1,232,878; July 10; v. 240; p. 477.
- Wilson, William E., Mason City, Iowa. Wall construction. No. 1,234,990; July 31; v. 240; p. 1262.
- Wilson, William E., Mason City, Iowa. Fireproof building-wall. (Reissue.) No. 1,414,14; Dec. 18; v. 245; p. 808.
- Wilson, William G. (See Shave and Wilson.)
- Wilson, William G., West New Brighton, and N. L. Jones, Mariners Harbor, N. Y. Anti-rail-spreader. No. 1,216,903; Feb. 20; v. 235; p. 938.
- Wilson, William H., New Bedford, Mass. Shuttle. No. 1,236,807; Aug. 14; v. 241; p. 446.
- Wilson, William H., St. Paul, Minn. Six-wheeled car-truck. No. 1,240,638; Sept. 18; v. 242; p. 670.
- Wilson, William J., Washington, D. C. Brake. No. 1,236,243; Aug. 7; v. 241; p. 231.
- Wilson, William W., Wonder, Nev. Drill-extractor. No. 1,213,989; Jan. 30; v. 234; p. 1377.
- Wilson, William W., Chicago, Ill., assignor, by mesne assignments, to Burroughs Adding Machine Company, Detroit, Mich. Printing-recorder for calculators. No. 1,218,346; Mar. 6; v. 236; p. 160.
- Wilson, Wyle T., Philadelphia, Pa. Paper cone. No. 1,211,514; Jan. 9; v. 234; p. 423.
- Wilson, Wyle T., Philadelphia, Pa. Paper container. No. 1,226,293; May 15; v. 238; p. 847.
- Wilson, Wyle T., Philadelphia, Pa. Shaving-brush holder. No. 1,234,595; July 24; v. 240; p. 1105.
- Wilstam, Alfred, South Pasadena, Cal. Centrifugal pump. No. 1,237,007; Aug. 14; v. 241; p. 509.
- Wilt, Charles N. (See Murray and Wilt.)
- Wilt, Harry L., Kansas City, Mo. Oversole. No. 1,245,847; Nov. 6; v. 244; p. 214.
- Wilt, Roy E., New Madison, Ohio. Excavating and dredging machine. No. 1,249,875; Dec. 11; v. 245; p. 451.
- Wilt, Wilson W., Elkhart, Ind. Weeder. No. 1,212,303; Jan. 16; v. 234; p. 729.
- Wiltbonco Mfg. Co. (See Eibye, Carl, assignor.)
- Wilton, John. (See Seaholm and Wilton.)
- Wilts Veneer Company. (See Staley and Simmons, assignors.)
- Wiltzie, Stephen S., et al. (See Hotchkiss, Edward D., assignor.)
- Wiltz, Albert, Addy, Wash. Fluid-pump. No. 1,251,155; Dec. 25; v. 245; p. 917.
- Wilzin, Arthur, St.-Ouen, France. Automatic machine for molding glass articles. No. 1,251,156; Dec. 25; v. 245; p. 917.
- Winans, Daniel M., assignor to Crandal, Stone & Co., Binghamton, N. Y. Fastener for automobile and vehicle curtains. No. 1,228,627; June 5; v. 239; p. 86.
- Winans, Francis W. (See Perfect, Eber M., assignor.)
- Winans, Harry J., Springfield, Mass. Identification-locket. No. 1,246,369; Nov. 13; v. 244; p. 398.
- Winans, James L., Toledo, Ohio, assignor to National Spring and Wire Company, Albion, Mich. Cushion-seat. No. 1,243,787; Oct. 23; v. 243; p. 837.
- Winbray, Dave, Hot Springs, Ark. Lace-fastener. No. 1,222,835; Apr. 17; v. 237; p. 714.
- Winch, William O. (See Chinquy and Winch.)
- Winchell, Richard W., White River, S. D. Reel device for barb fence-wire and the like. No. 1,215,454; Feb. 13; v. 235; p. 372.
- Winchester Repeating Arms Co. (See Johnson, Thomas C., assignor.)
- Winchester Repeating Arms Company. (See Buell, William H., assignor.)
- Winchester, Roy C., Palmetto, Fla. Internal-combustion engine. No. 1,224,435; May 1; v. 238; p. 116.
- Winchester, Sherman L., Weiser, Idaho. Gold-saving pan. No. 1,240,396; Sept. 18; v. 242; p. 597.
- Windeler, George E. (See Day, Windeler, and Grant.) (Reissue.)
- Winder, Abner J., Fresno, Cal. Hinge. No. 1,235,407; July 31; v. 240; p. 1387.
- Windhausen, Friederick, Dusseldorf, assignor to the Laternen-Vertriebs-Gesellschaft mit beschränkter Haftung, Cologne, Germany. Cycle-lamp. No. 1,222,836; Apr. 17; v. 237; p. 715.
- Window Glass Machine Company. (See Carnahan, Orlando, B., assignor.)
- Window Glass Machine Company. (See Monro, William L., assignor.)
- Windsor, Samuel T., Normangee, Tex. Auxiliary transmission-case hanger. No. 1,215,603; Feb. 13; v. 235; p. 429.
- Wine, William E. (See Cook and Wine.)
- Wine, William E., Toledo, Ohio. Car-ladder. No. 1,215,455; Feb. 13; v. 235; p. 373.
- Wine, William E., Toledo, Ohio. Car buffing device. No. 1,215,456; Feb. 13; v. 235; p. 373.
- Wine, William E., Toledo, Ohio. Friction buffing device for railway-cars. No. 1,215,457; Feb. 13; v. 235; p. 373.
- Wine, William E., Toledo, Ohio. Uncoupling device. No. 1,215,458; Feb. 13; v. 235; p. 374.
- Wine, William E., Toledo, Ohio. Car buffing device. No. 1,215,459; Feb. 13; v. 235; p. 374.
- Wine, William E., Toledo, Ohio. Freight-car end. No. 1,224,344; May 1; v. 238; p. 83.
- Wine, William E., Toledo, Ohio. Side bearing. No. 1,224,345; May 1; v. 238; p. 83.
- Wine, William E., Toledo, Ohio. Freight-car ladder. No. 1,231,318; June 26; v. 239; p. 1109.
- Wineland, Urless. (See Limp and Wineland.)
- Wineman, Lillian H., Devils Lake, N. D. Cover for cooking utensils. No. 1,235,625; Aug. 7; v. 241; p. 32.
- Wineman, O. A., et al. (See Clark, Stuart J., assignor.)
- Wineman, Wade H., Chicago, Ill., assignor, by mesne assignments, to Sullivan Machinery Company, Boston, Mass. Unloading device for air-compressors. No. 1,248,740; Dec. 4; v. 245; p. 93.
- Winer, Andrew A., Ocala, Fla. Automobile runway and lift. No. 1,225,549; May 8; v. 238; p. 548.
- Winesburg, Oscar S. (See Preston, Palmer, and Winesburg.)
- Winfield, Olli C., and C. F. Haywood, Boone, Iowa. Safety-throttle for pneumatic tools. No. 1,216,904; Feb. 20; v. 235; p. 938.
- Winfrey, Edgar M., and J. J. Pike, Wichita Falls, Tex. Door-check. No. 1,247,774; Nov. 27; v. 244; p. 877.
- Winfrey, James W. (See Bridewell and Winfrey.)
- Wing, Charles B., Cedar Rapids, Iowa. Garment-supporter. No. 1,237,232; Aug. 14; v. 241; p. 579.
- Wing, Luman B., Brooklyn, N. Y. Expression-indicator for musical instruments. No. 1,238,864; Sept. 4; v. 242; p. 46.
- Winger, Stover C., Pasadena, Cal. Rotary engine. No. 1,240,112; Sept. 11; v. 242; p. 468.
- Wingett, John N., Denver, Colo. Ore classifier or separator. No. 1,215,230; Feb. 6; v. 235; p. 260.
- Wingett, John N., Denver, Colo. System of land preparation for agriculture. No. 1,251,315; Dec. 25; v. 245; p. 964.
- Wingett, John N., assignor to W. A. Haggott, trustee, Denver, Colo. Apparatus for refining liquids and gases. No. 1,229,189; June 5; v. 239; p. 274.
- Wingire, Ernest C., Minneapolis, Minn., assignor of one-half to P. J. N. Miller, Miller, S. D. Portable hoist. No. 1,214,104; Jan. 30; v. 234; p. 1417.
- Wingquist, Sven G., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Roller-bearing. No. 1,224,346; May 1; v. 238; p. 83.
- Wingquist, Sven G., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Ball-retainer for radial ball-bearings. No. 1,242,502; Oct. 9; v. 243; p. 368.
- Winkelmiller, Oscar, Two Rivers, Wis. Detachable distributing-closure for muclage-receptacles and the like. No. 1,218,735; Mar. 13; v. 236; p. 332.
- Winkler, Adolph, Portland, Oreg. Skirt-marker. No. 1,235,175; July 31; v. 240; p. 1318.
- Winkler, Carl, Berne, Switzerland. Color-applying mechanism for printing-machines. No. 1,221,642; Apr. 3; v. 237; p. 222.
- Winkler, Carl, Berne, Switzerland. Printing-machine having a continuously-rotating cylinder. No. 1,241,321; Sept. 25; v. 242; p. 919.
- Winkler, Carl, Berne, Switzerland. Crucible used for typographic purposes. No. 1,244,935; Oct. 30; v. 243; p. 1222.
- Winkler, Joseph F., Philadelphia, Pa. Refrigerating apparatus. (Reissue.) No. 1,415; Dec. 18; v. 245; p. 809.
- Winkler, Karl, Newark, N. J., assignor to Mohawk Brush Company. Cam mechanism. No. 1,228,730; June 5; v. 239; p. 121.

Alphabetical list of patentees—Continued.

- Winkler, Max, Ridgewood, N. Y. Container and cover attachment. No. 1,233,632; July 17; v. 240; p. 761.
- Winkler, Otto, Cöpenick, and R. Urtel, Nieder-Schöne-weide, Germany, assignors to General Electric Company. Valve-gear for internal-combustion engines. No. 1,216,196; Feb. 13; v. 235; p. 641.
- Winkley, Albert F., Fairbault, Minn. Making artificial limbs. No. 1,219,613; Mar. 20; v. 236; p. 667.
- Winkley Company, The. (See Nolan, Edmund, assignor.)
- Winkley, Erastus E., Lynn, Mass. Feed mechanism. No. 1,213,052; Jan. 16; v. 234; p. 990.
- Winkley, Erastus E., Lynn, Mass. Bottle filling and capping machine. No. 1,216,036; Feb. 13; v. 235; p. 584.
- Winkley, Erastus E., Lynn, Mass. Automatic shoe-machine. No. 1,218,148; Mar. 6; v. 236; p. 91.
- Winkley, Erastus E., Lynn, Mass. Machine for sorting heel-lifts. No. 1,234,433; July 24; v. 240; p. 1055.
- Winkley, Erastus E., Lynn, Mass. Machine for sorting heel-lifts. No. 1,234,434; July 24; v. 240; p. 1055.
- Winkley, Erastus E., Lynn, Mass. Automatic sawing-machine. No. 1,237,435; Aug. 21; v. 241; p. 684.
- Winkley, Erastus E., Lynn, Mass. Carbureter. No. 1,240,281; Sept. 18; v. 242; p. 561.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Leveling-machine. No. 1,238,865; Sept. 4; v. 242; p. 47.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Leveling-machine. No. 1,238,866; Sept. 4; v. 242; p. 46.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for operating on shoe-buttons. No. 1,242,503; Oct. 9; v. 243; p. 368.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Machine for operating on shoe-welts. No. 1,242,504; Oct. 9; v. 243; p. 368.
- Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Heel-trimming machine. No. 1,248,971; Dec. 4; v. 245; p. 158.
- Winn, Samuel J., Jr., Plainfield, N. J. Bullet-proof rifle-shield. No. 1,244,679; Oct. 30; v. 243; p. 1143.
- Winn, Sidney B., assignor to Laper Tractor-Truck Company, Laper, Mich. Trailer attachment for vehicles. No. 1,249,705; Dec. 11; v. 245; p. 400.
- Winnega, Louis L., deceased; L. M. Winnega, administratrix, Preston, Minn., assignor to O. W. Clark, Cresco, Iowa. Gate-latch. No. 1,227,863; May 29; v. 238; p. 1438.
- Winnega, Lily M., administratrix. (See Winnega, Louis L.)
- Winner, Ernest W., Paolo, Kans. Soil-pulverizer. No. 1,219,793; Mar. 20; v. 236; p. 729.
- Winner, Harry W., Lock Haven, Pa. Railway-rail. No. 1,229,847; June 12; v. 239; p. 546.
- Winner Manufacturing Co. (See Janofsky, Max, assignor.)
- Winnigham, Marcus M., assignor of one-fourth to P. Barnes, Seattle, Wash*. Assorting-machine for canned goods. No. 1,220,922; Mar. 27; v. 236; p. 1158.
- Winnigham, James M., Henderson, Tenn. Pipe-coupling machine. No. 1,242,627; Oct. 9; v. 243; p. 409.
- Winnigham, John W. (See Waugh, Edward H., assignor.)
- Winona Pulp & Paper Company. (See Lappen, James E., assignor.)
- Winship, Stephen E., Malden, Mass., assignor to H. C. Faber & Son Company, Utica, N. Y. Knockdown receptacle. No. 1,231,977; July 3; v. 240; p. 147.
- Winship, Stephen E., Malden, Mass., assignor to W. W. Winship & Sons Company, Utica, N. Y. Trunk-securing means. No. 1,231,978; July 3; v. 240; p. 147.
- Winslow Bros. Co. (See Kail, Jackson L., assignor.)
- Winslow Brothers Company. (See Ashby, Fred W., assignor.)
- Winslow, Don R., Zumbrota, Minn. Film-developing apparatus. No. 1,245,848; Nov. 6; v. 244; p. 215.
- Winslow, Elbert R., Kearney, Nebr. Coin-controlled apparatus for inflating tires. No. 1,222,169; Apr. 10; v. 237; p. 440.
- Winslow, Elbert R., and C. A. Jones, Kearney, Nebr. Portable electrical device. No. 1,222,837; Apr. 17; v. 237; p. 715.
- Winslow, George W., Chicago, Ill. Deep-sea-salvage-recovering apparatus. No. 1,217,254; Feb. 27; v. 235; p. 1102.
- Winslow Safety High-Pressure Boiler Co. (See Winslow, William H., assignor.)
- Winslow, William H., assignor to Winslow Safety High-Pressure Boiler Co., Chicago, Ill. Burner. No. 1,214,735; Feb. 6; v. 235; p. 89.
- Winslow, William H., assignor to Winslow Safety High-Pressure Boiler Company, Chicago, Ill. Steam-boiler. No. 1,236,641; Aug. 14; v. 241; p. 390.
- Winslow, William H., assignor to Winslow Safety High-Pressure Boiler Company, Chicago, Ill. Boiler. No. 1,237,253; Aug. 14; v. 241; p. 579.
- Winsor, James G., Detroit, Mich. Stabilizer for dumping-vehicles. No. 1,245,651; Nov. 6; v. 244; p. 155.
- Winstanley, F., et al. (See Dickson, James T., assignor.)
- Winston, Charles R., Richmond, Va. Spark-plug for gas-engines. No. 1,228,628; June 5; v. 239; p. 86.
- Winston, Charles S., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Automatic telephone system. No. 1,214,982; Feb. 6; v. 235; p. 176.
- Winston, Charles S., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Automatic telephone system. No. 1,216,641; Feb. 20; v. 235; p. 850.
- Winston, Charles S., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. No. 1,217,255; Feb. 27; v. 235; p. 1102.
- Winston, Charles S., assignor to Kellogg Switchboard & Supply Company, Chicago, Ill. Combined telephone and signaling system. No. 1,226,157; May 15; v. 238; p. 797.
- Winston, Charles S., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Automatic telephone system. No. 1,231,319; June 26; v. 239; p. 1110.
- Winston, Charles S., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Automatic telephone system. No. 1,247,197; Nov. 20; v. 244; p. 676.
- Winston, Frank E., and V. B. Rogers, New York, N. Y. Cuff-link. No. 1,227,864; May 29; v. 238; p. 1438.
- Winston, Hollis T., Washington, D. C. Direction-signal. No. 1,240,639; Sept. 18; v. 242; p. 671.
- Winston, Hollis T., U. S. Navy. Traffic-signal. No. 1,240,640; Sept. 18; v. 242; p. 671.
- Winston, Overton, Minneapolis, Minn. Headlight. No. 1,240,282; Sept. 18; v. 242; p. 561.
- Winston, Overton, Minneapolis, Minn. Headlight. No. 1,250,745; Dec. 18; v. 245; p. 746.
- Winter, Charles N., Roanoke, Va., assignor to The American Brake Shoe and Foundry Company, Wilmington, Del. Brake-shoe. No. 1,238,867; Sept. 4; v. 242; p. 47.
- Winter, Christian, Oskaloosa, Iowa. Pole-step. No. 1,211,992; Jan. 9; v. 234; p. 592.
- Winter, Christian, Oskaloosa, Iowa. Gate. No. 1,225,550; May 8; v. 238; p. 548.
- Winter, Christian, Oskaloosa, Iowa. Climbing-harness. No. 1,229,003; June 5; v. 239; p. 212.
- Winter, Christian, Oskaloosa, Iowa. Pole-climber. No. 1,234,596; July 24; v. 240; p. 1105.
- Winter, Daniel B. (See Parker and Winter.)
- Winter, Frederick, Holley, N. Y. Antiskidding device. No. 1,247,775; Nov. 27; v. 244; p. 878.
- Winter, Frederick W., Pittsburgh, assignor to The Spirella Company, Meadville, Pa. Garment-stay. No. 1,216,037; Feb. 13; v. 235; p. 585.
- Winter, George J. (See Müller and Winter.)
- Winter, Harry O., Philadelphia, Pa. Lock hair-pin. No. 1,228,629; June 5; v. 239; p. 86.
- Winter, Joe, Matador, Tex. Rail-joint. No. 1,228,276; May 29; v. 238; p. 1573.
- Winter, John H., et al. (See Fellows, Melvin, assignor.)
- Winter, Oscar, New York, N. Y. Latch for pneumatic carriers. No. 1,223,651; Apr. 24; v. 237; p. 1029.
- Winter, Rudolph G., Milwaukee, Wis. Ventilation window-lock. No. 1,244,393; Oct. 23; v. 243; p. 1018.
- Winter, Rudolph G., Milwaukee, Wis. Door-latch. No. 1,244,394; Oct. 23; v. 243; p. 1019.
- Winter, William A., East Orange, N. J., assignor to The Kny-Scheerer Corporation. Surgical motor-casing. No. 1,229,694; June 12; v. 239; p. 495.
- Winter, William E., New Britain, assignor of one-fourth to F. S. Fletcher and one-half to The Fletcher-Terry Company, Forestville, Conn. Edge-tool sharpener. No. 1,216,387; Feb. 20; v. 235; p. 761.
- Winter, William R., Berlin, Germany, assignor to Potter and Johnston Machine Company, Pawtucket, R. I. Safety clutch or coupling. No. 1,211,515; Jan. 9; v. 234; p. 424.
- Winterbotham, Clifford W., Brighton Beach, Victoria, Australia. Electrically-heated cooking-stove. No. 1,234,991; July 31; v. 240; p. 1263.
- Winterer, Emil, Manchester, N. H. Thermostatic alarm. No. 1,229,370; June 12; v. 239; p. 385.
- Winterer, Emil, Manchester, N. H. Attachment for window-shades. No. 1,236,808; Aug. 14; v. 241; p. 447.
- Winters, Alexander F. (See Prouditt, Edwards, and Winters.)
- Winters, Banniah H., and N. C. Massey, assignors to The Winters-Coleman Scale Company, Springfield, Ohio. Weighing-machine. No. 1,225,387; May 8; v. 238; p. 494.
- Winters-Coleman Scale Company, The. (See Winters and Massey, assignors.)
- Winters, Conrad A., Anaconda, Mont. Cleaner for conveyor-belts. No. 1,239,066; Sept. 4; v. 242; p. 110.
- Winters, David L., Philadelphia, Pa. Valve. No. 1,243,122; Oct. 16; v. 243; p. 600.
- Winters, George L., New York, N. Y. Sanitary garbage-can. No. 1,234,992; July 31; v. 240; p. 1263.
- Winters, John B., Jr., Avery Island, La. Package-handling tool. No. 1,247,918; Nov. 27; v. 244; p. 917.
- Winters, Lee L., Monroe, Mich. Dimmer-light-switch support. No. 1,240,283; Sept. 18; v. 242; p. 562.
- Winters, Lincoln, Watauga, S. D. Dish-washing machine. No. 1,226,428; May 15; v. 238; p. 890.
- Winther, Christian W., Fresno, Cal. Spring-leaf separator. No. 1,237,436; Aug. 21; v. 241; p. 685.
- Winton, Alexander, Lakewood, Ohio. Internal-combustion motor. No. 1,243,908; Oct. 23; v. 243; p. 874.
- Winton, Alexander, Lakewood, assignor to The Winton Gas Engine & Manufacturing Company, Cleveland, Ohio. Handhole structure. No. 1,245,298; Nov. 6; v. 244; p. 47.

- Winton Gas Engine & Manufacturing Company, The. (See Winton, Alexander, assignor.)
- Wirebonds Patents Company. (See Babcock, Guilford C., assignor.)
- Wirebonds Patents Company. (See Babcock, Oliver M., assignor.)
- Wirebonds Patents Company. (See Craig, Edward, assignor.)
- Wirebound Patents Company. (See Healey, William P., assignor.)
- Wirebonds Patents Company. (See Hey, Edmund A., assignor.)
- Wirebonds Patents Company. (See Miller, Julius J., assignor.)
- Wireless Hinge Manufacturing Company Limited, The. (See Berry, George W., assignor.)
- Wireless Instrument Company. (See Miller, Thomas B., assignor.)
- Wireless Specialty Apparatus Company. (See Pickard, Greenleaf W., assignor.)
- Wireless Specialty Apparatus Company. (See Proctor, John A., assignor.)
- Wires, Pearl J., assignor of one-half to A. B. Gooley, Indianapolis, Ind. Extension telephone-signal. No. 1,222,343; Apr. 10; v. 237; p. 502.
- Wirkkala, Oscar A., Knappton, Wash. Logging system. No. 1,251,157; Dec. 25; v. 245; p. 918.
- Wirt, Charles, assignor to Wirt Company, Philadelphia, Pa. Electric-lighting apparatus. No. 1,238,868; Sept. 4; v. 242; p. 47.
- Wirt Company. (See Wirt, Charles, assignor.)
- Wirt, Paul E., Bloomsburg, Pa. Tire-body construction. No. 1,228,630; June 5; v. 239; p. 87.
- Wirt, Reuben D., Philadelphia, Pa. Hose-reel. No. 1,244,818; Oct. 30; v. 243; p. 1186.
- Wirth, John, New York, N. Y. Soap-holder. No. 1,221,939; Apr. 10; v. 237; p. 360.
- Wirts, Stephen M., Detroit, Mich., assignor, by mesne assignments, to United Table-Bed Company. Table. No. 1,243,123; Oct. 16; v. 243; p. 600.
- Wirtz, Leonard P., Pilger, Saskatchewan, Canada. Stove-pipe-holder. No. 1,214,105; Jan. 30; v. 234; p. 1417.
- Wirtz, Luis, Edgbaston, Birmingham, England. Chain. No. 1,223,652; Apr. 24; v. 237; p. 1029.
- Wirtz, Luis, Edgbaston, Birmingham, England. Chain. No. 1,233,534; July 17; v. 240; p. 727.
- Wirtz, Nicholas H., Watertown, S. D. Combination liquid-lock for automobiles. No. 1,239,997; Sept. 11; v. 242; p. 435.
- Wisconsin Chair Company. (See Dennett, Fred A., assignor.)
- Wisconsin Hemp Company. (See Hubler, John, assignor.)
- Wise Acetylene Gas Machine Company. (See Wise, Harry M., assignor.)
- Wise, Anthony G., assignor to F. W. Adsit, Minneapolis, Minn. Soap-dispensing machine. No. 1,219,364; Mar. 13; v. 236; p. 550.
- Wise, Charles H., Ithaca, N. Y. Window-shade spring-tightener and locking bracket. No. 1,227,724; May 29; v. 238; p. 1390.
- Wise, Charles H., Oil City, Pa. Railway-tie and fastener. No. 1,249,876; Dec. 11; v. 245; p. 451.
- Wise, Harry M., Richmond, Va., assignor to Wise Acetylene Gas Machine Company, Incorporated. Acetylene gas generator. No. 1,216,197; Feb. 13; v. 235; p. 642.
- Wise, Jacob B., Cleveland, Ohio. Roofing composition. No. 1,235,270; July 31; v. 240; p. 1346.
- Wise, John D., Jackson, Tenn. Antiseptic tooth-brush holder and sterilizer. No. 1,224,696; May 1; v. 238; p. 207.
- Wise, John S., Jr., New York, N. Y. Ash-receiver. No. 1,228,508; June 5; v. 239; p. 46.
- Wise, John W., Knoxville, Ill. Hitch for tractor-impelled implements. No. 1,242,505; Oct. 9; v. 243; p. 369.
- Wise, Joseph C., assignor to G. J. Fischer, Quincy, Ill. Shoe-finishing machine. No. 1,222,838; Apr. 17; v. 237; p. 715.
- Wise, Joseph C., North Yakima, Wash., assignor of one-half to D. J. Fisher, Portland, Oreg., and one-half to F. B. Ketchum, North Yakima, Wash. Shoe-finishing machine. No. 1,212,724; Jan. 16; v. 234; p. 879.
- Wise, Otis J., Charleston, W. Va. Folding bed-table. No. 1,220,578; Mar. 27; v. 236; p. 1044.
- Wise Sportsman's Supply Co. (See Schillinger, Henry H., assignor.)
- Wiser, George L., Elkhart, Ind. Brake mechanism. No. 1,224,826; May 1; v. 238; p. 252.
- Wishbone Steel Wheel Company of America, The. (See Carnahan, John W., assignor.)
- Wisker, Ernest R., Wealdstone, England. Action for harmoniums, organs, and the like instruments. No. 1,232,744; July 10; v. 240; p. 435.
- Wisner, Sara J., Thompson Falls, Mont. Hem and tuck gage for skirts. No. 1,247,476; Nov. 20; v. 244; p. 756.
- Wisniewski, Joseph, Butte, Mont. Prospecting-machine. No. 1,227,865; May 29; v. 238; p. 1438.
- Wissinger, Jacob G., Rutherford, N. J. Protector for lamps. No. 1,243,236; Oct. 16; v. 243; p. 634.
- Wissler, Adolph, St. Louis, Mo. Air-gun. No. 1,233,944; July 17; v. 240; p. 860.
- Wissler, Adolph, St. Louis, Mo. Combination level and transit. No. 1,234,520; July 24; v. 240; p. 1082.
- Wistner, Harry W., Ogden, Utah. Automobile-engine. No. 1,230,257; June 19; v. 239; p. 717.
- Wistrand, Peter E., Galva, Ill. Check-row marker. No. 1,231,979; July 3; v. 240; p. 148.
- Wistrand, Peter E., Galva, Ill. Seed-planter. No. 1,246,208; Nov. 13; v. 244; p. 348.
- Wisniewski, Bronislawa, Sault Ste. Marie, Mich. Waffle-iron. No. 1,238,974; Sept. 4; v. 242; p. 82.
- Witanowski, John, Chicago, Ill. Reamer. No. 1,217,256; Feb. 27; v. 235; p. 1103.
- Witham, George S., Sr. (See Witham, Isaac J., assignor.)
- Witham, Isaac J., assignor of one-half to G. S. Witham, Sr., Hudson Falls, N. Y. Pulp-feed regulator. No. 1,233,738; July 17; v. 240; p. 793.
- Witham, Isaac J., and G. E. Mayo, Cheboygan, Mich. Pulp-feed regulator. No. 1,248,972; Dec. 4; v. 245; p. 158.
- Witherbee, Mary C., West Newton, Mass. Egg-beater. No. 1,250,539; Dec. 18; v. 245; p. 685.
- Witherell, Edwin H., et al. (See Vorce, Albert F., assignor.)
- Witherell, Silas, assignor to J. M. and W. W. Majors, Ottumwa, Iowa. Rope-holder. No. 1,248,973; Dec. 4; v. 245; p. 158.
- Witherill, Lee. (See England and Witherill.)
- Withrow, Floyd G., and J. P. Weeks, Grand Rapids, Mich. Dimmer for auto-headlights. No. 1,236,809; Aug. 14; v. 241; p. 447.
- Witmer, John M., Lancaster, Pa. Lixiviator. No. 1,238,469; Aug. 28; v. 241; p. 1049.
- Witmer, Roy C., Fitchburg, Mass. Cushion valve and seat. No. 1,218,030; Mar. 6; v. 236; p. 49.
- Witry, Louis W., assignor to Waterloo Gasoline Engine Company, Waterloo, Iowa. Implement-shifting means for tractors. No. 1,217,257; Feb. 27; v. 235; p. 1103.
- Witry, Louis W., assignor to Waterloo Gasoline Engine Company, Waterloo, Iowa. Driving connection for magnetos. No. 1,218,822; Mar. 13; v. 236; p. 364.
- Witry, Louis W., assignor to Waterloo Gasoline Engine Company, Waterloo, Iowa. Internal-combustion engine. No. 1,233,739; July 17; v. 240; p. 793.
- Witt, Clarence W., Johnstown, Pa. Display-stand for electric-light lamps. No. 1,219,892; Mar. 20; v. 236; p. 764.
- Witt, Daniel M., Greystone Park, N. J. Soap-strainer. No. 1,233,431; July 17; v. 240; p. 693.
- Witt, Harry L., and S. Lookman, Pittsburgh, Pa. Water-level alarm. No. 1,220,041; Mar. 20; v. 236; p. 814.
- Witt, Howard, et al. (See Becker, Bennie L., assignor.)
- Witt, Peter, Cleveland, Ohio. Street-railway car. No. 1,243,026; Oct. 16; v. 243; p. 571.
- Wittal, Julius J. (See De Lukasevics and Wittal.)
- Witte, Adolf P., assignor of one-half to M. S. Dick, Chicago, Ill. Electric-switch contact-holder. No. 1,212,867; Jan. 16; v. 234; p. 926.
- Witte, Adolf P., assignor of one-half to M. S. Dick, Chicago, Ill. Garbage-can. No. 1,221,808; Apr. 3; v. 237; p. 280.
- Witteborg, Herman, Caldwell, Idaho. Method of and apparatus for recovering volatile metallic values in the form of metallic oxides from molten slag. No. 1,250,261; Dec. 18; v. 245; p. 602.
- Witek, Josef, assignor to The Empire Talking Machine Company, Chicago, Ill. Phonograph-brake. No. 1,238,240; Aug. 28; v. 241; p. 974.
- Wittmann, John, assignor of one-third to F. S. Hunt, Milwaukee, Wis. Universal joint. No. 1,219,521; Mar. 20; v. 236; p. 634.
- Wittmann, Rudolph A. (See Fitch and Stephens, assignors.)
- Witter, Claude A., Lewistown, assignor to The Standard Steel Works Company, Burnham, Pa. Shock-relief valve for hydraulic systems. No. 1,244,271; Oct. 23; v. 243; p. 983.
- Witter, George, Storm Lake, Iowa. Chair. No. 1,246,209; Nov. 13; v. 244; p. 348.
- Witter, Leon A., assignor of one-half to G. A. Weber, Jackson, Mich. Spark-plug. No. 1,221,940; Apr. 10; v. 237; p. 360.
- Wittich, Harry C., St. Louis, Mo. Tail-gate support and bracket. No. 1,248,974; Dec. 4; v. 245; p. 159.
- Wittkopf, Paul. (See Linke, Carl, assignor.)
- Wittmann, Carl. (See Meyer, Conrad, assignor.)
- Wittmann, George J. (See King and Wittmann.)
- Witty, William H., F. F. Eby, and W. S. Meader, Pocatello, Idaho. Metallic stud. No. 1,221,941; Apr. 10; v. 237; p. 361.
- Witz, Robert K., Chicago, Ill., assignor to The Yost Electric Manufacturing Company, Toledo, Ohio. Shade-holder. No. 1,234,993; July 31; v. 240; p. 1263.
- Wm. G. Hesse & Son Mfg. Co., The. (See Hesse, Otto H., assignor.)
- Wm. L. Gilbert Clock Company. (See Hodge, Albert P., assignor.)
- Wo, Goo K., Honolulu, Hawaii. Adjustable go-cart. No. 1,241,183; Sept. 25; v. 242; p. 874.
- Wobensmith, James C. (See Liberman and Wobensmith.)
- Wobensmith, James C. (See Liberman, Reichart, and Wobensmith.)
- Woddrop, Lemuel H., Arcola, N. J., assignor to Robeson Process Company, New York, N. Y. Binder. No. 1,221,259; Apr. 3; v. 237; p. 91.
- Woodsdalek, Joseph, Alsoma, Wis. Driving mechanism. No. 1,233,945; July 16; v. 240; p. 860.

Alphabetical list of patentees—Continued.

- Wodzinski, Wincenty, *et al.* (See Pludowski, Aleksander, assignor.)
- Woebler, Clara R. (See Henning and Woebler.)
- Woehle, Charles H. (See Mercer and Woehle.)
- Woerner, Eugen, assignor to Firm of R. Bosch, Stuttgart, Germany. Force-pump mechanism. No. 1,225,911; May 15; v. 238; p. 712.
- Woerner, William L., New York, N. Y., assignor to The Prometheus Electric Company. Cut-out for electric sterilizers. No. 1,227,228; May 22; v. 238; p. 1196.
- Woernley, Harry F., Pittsburgh, assignor to The Westinghouse Air Brake Company. Wilmerding, Pa. Coupling attachment. No. 1,211,516; Jan. 9; v. 234; p. 424.
- Woernley, Harry F., Pittsburgh, assignor to The Westinghouse Air Brake Company. Wilmerding, Pa. Electric train-line coupling. No. 1,244,936; Oct. 30; v. 243; p. 1222.
- Woeste, Louis B., Newport, Ky., assignor of one-half to W. A. Stephens, Cincinnati, Ohio. Myriad reflector. No. 1,214,863; Feb. 6; v. 235; p. 131.
- Wogenstahl, Leo J., San Antonio, Tex., assignor to Automobile Search Light Company, Phoenix, Ariz. Drilghtle headlight. No. 1,214,736; Feb. 6; v. 235; p. 89.
- Wohl and Company, M. J. (See Wohl, Maurice J., assignor.)
- Wohl, Maurice J., assignor to M. J. Wohl and Company, Brooklyn, N. Y. Multiple-arc lamp. No. 1,235,271; July 31; v. 240; p. 1347.
- Wohl, Maurice J., assignor to M. J. Wohl and Company, Brooklyn, N. Y. Arc-lamp and reflector. No. 1,235,272; July 31; v. 240; p. 1347.
- Wohl, Maurice J., Brooklyn, and M. Mayer, New York, N. Y., assignors, by mesne assignments, to Prizma Incorporated. Color photography. No. 1,211,904; Jan. 9; v. 234; p. 560.
- Wohlauer, Alfred A., New York, N. Y. Double shade-holder. No. 1,235,951; Aug. 7; v. 241; p. 133.
- Wohlford, George T., Wiggins, Colo. Pump-rod connector. No. 1,212,868; Jan. 16; v. 234; p. 926.
- Wohlrab, Paul B., Racine, Wis. Steering-gear mechanism. No. 1,232,148; July 3; v. 240; p. 207.
- Woina, Sylvester, Lost Creek, W. Va. Culinary boiler. No. 1,218,823; Mar. 13; v. 236; p. 365.
- Woina, Sylvester, Lost Creek, W. Va. Bolt and nut lock. No. 1,220,579; Mar. 27; v. 236; p. 1044.
- Woitak, Mathew, Chicago, Ill. Alarm jewel-case. No. 1,234,847; July 31; v. 240; p. 1215.
- Wojdkow, Louis, assignor to New York Stamping Company, Brooklyn, N. Y. Carrier for casseroles and other hot-food containers. No. 1,244,395; Oct. 23; v. 243; p. 1019.
- Wolber, Arthur F., Dayton, Ohio. Photographic screen. No. 1,226,838; May 22; v. 238; p. 1063.
- Wolcott, Charles B., West Cheshire, Conn. Jack. No. 1,211,652; Jan. 9; v. 234; p. 470.
- Wolcott, Cornelius R., McLouth, Kans. Lamp-flame-regulating burner. No. 1,214,737; Feb. 6; v. 235; p. 89.
- Wolcott, Frank E., Hartford, Conn. Automobile-lamp. No. 1,226,294; May 15; v. 238; p. 847.
- Wolcott, Neil B., Washington, D. C. Multiple-disk record for phonographs. No. 1,213,990; Jan. 30; v. 234; p. 1377.
- Wolcott, Robeson B., East Cleveland, assignor to R. S. Muelier, Cleveland, Ohio. Attachment-plug. No. 1,224,987; May 8; v. 238; p. 357.
- Wold, Peter L., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Thermionic amplifying-circuit. No. 1,232,879; July 10; v. 240; p. 478.
- Woldert Grocery Company. (See Gradick, Wiley, Sr., assignor.)
- Wolf, Aaron, New York, N. Y. Corner-post fastening. No. 1,214,738; Feb. 6; v. 235; p. 90.
- Wolf, Aaron H., Myerstown, Pa. Watch-holder for automobiles. No. 1,216,531; Feb. 20; v. 235; p. 811.
- Wolf, Charles, Spokane, assignor to Eureka Silo Company, Bellingham, Wash. Silo construction. No. 1,240,284; Sept. 18; v. 242; p. 562.
- Wolf Company, The. (See Lemaster, Maurice D., assignor.)
- Wolf, Fred W., Chicago, Ill., assignor, by mesne assignments, to Isko, Incorporated, Detroit, Mich. Refrigerating apparatus. No. 1,222,170; Apr. 10; v. 237; p. 440.
- Wolf, Henry, West Hoboken, N. J. Corner-piece for windows. No. 1,224,988; May 8; v. 238; p. 358.
- Wolf, Isaac, Milwall, London, England. Loose-leaf binder. No. 1,216,532; Feb. 20; v. 235; p. 811.
- Wolf, Joseph B., and R. F. Parks, Melrose, Iowa. Chain lock and tightener. No. 1,246,692; Nov. 13; v. 244; p. 494.
- Wolf, Julia. (See Snyder, Benjamin, assignor.)
- Wolf, Lewis W., assignor of one-half to I. M. Rhodes, Racine, Ohio. Brick-pointer. No. 1,216,389; Feb. 20; v. 235; p. 761.
- Wolf, Linus, Chicago Heights, Ill. Welding-tool. No. 1,218,503; Mar. 6; v. 236; p. 212.
- Wolf, Linus, Chicago, Ill. Apparatus for producing liquefied gas. No. 1,240,397; Sept. 18; v. 242; p. 597.
- Wolf, Louis, New York, N. Y. Hand-bag. No. 1,223,920; Apr. 24; v. 237; p. 1123.
- Wolf, Miles V., Ashland, Ohio. Combination compass and protractor. No. 1,244,272; Oct. 23; v. 243; p. 984.
- Wolf, Robert B., Berlin, N. H. Making tight castings. No. 1,214,630; Feb. 6; v. 235; p. 52.
- Wolf, Saver & Heller. (See Clark, George, assignor.)
- Wolf, William, assignor to Lowenthal & Marcus, New York, N. Y. Hat-brim. No. 1,238,615; Aug. 28; v. 241; p. 1096.
- Wolfe, Charles C., Haydenville, Ohio, assignor to National Fire Proofing Company, Pittsburgh, Pa. Apparatus for surfacing bricks and tiles. No. 1,220,807; Mar. 27; v. 236; p. 1121.
- Wolfe, Charles W., New York, N. Y. Buck-clamp. No. 1,226,045; May 15; v. 238; p. 759.
- Wolfe, Clinton M., assignor of one-fourth to A. P. Crockett and one-fourth to J. H. Beverly, Coeburn, Va. Mouth-mirror. No. 1,246,693; Nov. 13; v. 244; p. 494.
- Wolfe, Clinton M., Coeburn, Va., assignor of one-fourth to E. H. Miller, one-fourth to J. A. Newberry, and one-fourth to W. R. Culbertson, Churn. No. 1,220,923; Mar. 27; v. 236; p. 1159.
- Wolfe, Garnet H., assignor to Rotary Rod Weeder and Manufacturing Company, Cheney, Wash. Rotary-rod weeder. No. 1,232,149; July 3; v. 240; p. 208.
- Wolfe, Garnett H., assignor to Rotary Rod Weeder & Manufacturing Company, Incorporated, Cheney, Wash. Bearing. No. 1,224,874; May 1; v. 238; p. 268.
- Wolfe, Homer O., Sullivan, Ind. Barrel-moving implement. No. 1,244,680; Oct. 30; v. 243; p. 1143.
- Wolfe, Ira T., Seattle, Wash. Corn-popping machine. No. 1,224,347; May 1; v. 238; p. 84.
- Wolfe, Ira T., Seattle, Wash. Umbrella rack and lock. No. 1,228,631; June 5; v. 239; p. 87.
- Wolfe, Morgan C., *et al.* (See Hubbard, Adra M. and O. M., assignors.)
- Wolfe, Peter J., Columbus, Ohio. Window-screen. No. 1,229,695; June 12; v. 239; p. 495.
- Wolfe, Robert U., Omaha, Nebr. Combined tractor, roller, and plow. No. 1,225,912; May 15; v. 238; p. 713.
- Wolfe, Thomas J., New Augustine, Fla. Staggered-switch brace. No. 1,241,891; Oct. 2; v. 243; p. 136.
- Wolfe, Wallace F., Schenectady, N. Y. Pipe-vise clamp. No. 1,225,301; May 8; v. 238; p. 464.
- Wolfensberger, Fritz, Mulheim-on-the-Rhine, Germany. Hydraulic controlling device for machine-tools. No. 1,232,880; July 10; v. 240; p. 478.
- Wolff, Albert, Hamburg, Germany. Production of sulfonic-acid salts from mineral-oil waste liquors. No. 1,240,523; Sept. 18; v. 242; p. 636.
- Wolff, Charles H. (See Weder and Wolff.)
- Wolff, Frank W., assignor to P. H. Murphy Company, Parnassus, Pa. Carline. No. 1,238,470; Aug. 28; v. 241; p. 1050.
- Wolff, Frank W., assignor to P. H. Murphy Company, Parnassus, Pa. Carline. No. 1,247,776; Nov. 27; v. 244; p. 878.
- Wolff Fuel Saver Company. (See Blaske, William C., assignor.)
- Wolff, Georg, Hermsdorf, bei Berlin, Germany, assignor to General Electric Company. Time-limit tripping mechanism. No. 1,250,746; Dec. 18; v. 245; p. 746.
- Wolff, Hugo. (See Bally and Wolff.)
- Wolff, Wallace B., Chicago, Ill., and E. K. Hood, Indianapolis, Ind., assignors to American Slicing Machine Company, Chicago, Ill. Intermittent feeding mechanism for slicing-machines. No. 1,224,989; May 8; v. 238; p. 358.
- Wolff, Wallace B., Chicago, Ill., and E. K. Hood, Indianapolis, Ind., assignors to American Slicing Machine Company, Chicago, Ill. Slicing-machine. No. 1,228,509; June 5; v. 239; p. 46.
- Wolffgram, Ludwig, Brooklyn, N. Y. Rolling-mill for seamless tubes. No. 1,234,245; July 24; v. 240; p. 992.
- Wolfgang, George. (See Shidey and Wolfgang.)
- Wolford, David B., Echo, Oreg. Kitchen utensil. No. 1,214,631; Feb. 6; v. 235; p. 52.
- Wolford, William O., Fort Worth, Tex., assignor of two-thirds to R. McConnel, Kingsville, Mo. Coin-controlled vending-machine. No. 1,242,298; Oct. 9; v. 243; p. 304.
- Wolfsberg, Richard, and S. C. Smith, Los Angeles, Cal. Safety-switch. No. 1,251,159; Dec. 25; v. 245; p. 918.
- Wolfson, Jacob, Brooklyn, N. Y. Signaling device. No. 1,226,429; May 15; v. 238; p. 890.
- Wolhaupter, Benjamin, New Rochelle, and B. G. Braine, assignors to The Rail Joint Company, New York, N. Y. Insulated rail-joint. No. 1,221,260; Apr. 3; v. 237; p. 91.
- Wolke, Conrad, St. Louis, Mo. Machine for linking sausages and the like. No. 1,245,652; Nov. 6; v. 244; p. 155.
- Wolke, George E., Alameda, Cal. Folding washstand. No. 1,248,772; Dec. 4; v. 245; p. 102.
- Wollant, John, Cleveland, Ohio. Gas heating apparatus. No. 1,225,693; May 8; v. 238; p. 596.
- Wollensak, Andrew, assignor to Wollensak Optical Company, Rochester, N. Y. Photographic shutter. No. 1,214,250; Jan. 30; v. 234; p. 1466.
- Wollensak, Andrew, assignor to Wollensak Optical Company, Rochester, N. Y. Release mechanism for photographic shutters. No. 1,235,273; July 31; v. 240; p. 1347.
- Wollensak, Andrew, assignor to Wollensak Optical Company, Rochester, N. Y. Photographic shutter. No. 1,238,471; Aug. 28; v. 241; p. 1050.
- Wollensak, Arthur C., Milwaukee, Wis. Load-indicator for vehicles. No. 1,225,094; May 8; v. 238; p. 394.

- Wollensak, Arthur C., assignor to Sterling Motor Truck Company, Milwaukee, Wis. Street-cleaning machine. No. 1,247,054; Nov. 20; v. 244; p. 635.
- Wollensak Optical Company. (See Wollensak, Andrew, assignor.)
- Wollheim and Ossenbach, Industriegesellschaft m. b. H., Heinrich. (See Biberfeld, Arthur, assignor.)
- Wollner, Clarence M., *et al.* (See Brown, Frederick W., assignor.)
- Wollner, Max M., *et al.* (See Brown, Frederick W., assignor.)
- Wolpe, George M., Indianapolis, Ind. Mold for vulcanized-rubber dental plates. No. 1,212,725; Jan. 16; v. 234; p. 879.
- Wolpert, Pet T., Atlanta, Ga. Toy roundabout. No. 1,240,285; Sept. 18; v. 242; p. 562.
- Wolsfeld, Peter, Lenora Lake, Saskatchewan, Canada. Attachment to plows. No. 1,235,176; July 31; v. 240; p. 1318.
- Wolterstorff, John H., St. Paul, Minn. Steamer. No. 1,227,354; May 22; v. 238; p. 1237.
- Wolverine Leather Goods Company. (See Walker, James C., assignor.)
- Womack, Harry G., St. Louis, Mo. Disappearing automobile-top. No. 1,233,946; July 17; v. 240; p. 861.
- Wonder Carburetor Heater Company. (See Strickler and Lewis, assignors.)
- Wonder Talking Machine Company. (See Nulty, Harry B., assignor.)
- Wondra, Franz, Schenectady, N. Y. Aeroplane. No. 1,250,262; Dec. 18; v. 245; p. 602.
- Wones, Raymond O., Maplewood, Ohio. Engine-primer. No. 1,249,581; Dec. 11; v. 245; p. 363.
- Wonner, William W., and C. W. Simon, York; said Wonner assignor to N. C. Stabley, Red Lion borough, Pa. Photographic-printing machine. No. 1,211,993; Jan. 9; v. 234; p. 592.
- Wood, Albert A., Atlanta, Ga. Cotton-seed-delinting saw. No. 1,239,998; Sept. 11; v. 242; p. 435.
- Wood, Albert B. (See Earl and Wood.)
- Wood, Alexander H., Petros, Tenn., assignor to Wood Equipment Company. Car-coupling. No. 1,248,586; Dec. 4; v. 245; p. 48.
- Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Sewing-machine work-clamp. No. 1,228,863; June 5; v. 239; p. 167.
- Wood, Allen G., Beaver Falls, Pa. Swing-fan. No. 1,245,849; Nov. 6; v. 244; p. 215.
- Wood, Anna E., Cincinnati, Ohio. Book-holder. No. 1,239,655; Sept. 11; v. 242; p. 326.
- Wood, Arthur P., Hale, and R. S. McLeod, Didsbury, near Manchester, England. Apparatus for electrically operating planing-machines and the like reciprocating tools. No. 1,232,150; July 3; v. 240; p. 208.
- Wood, Augustus W., McKeever, N. Y. Bread-cutter. No. 1,233,947; July 17; v. 240; p. 861.
- Wood, Charles A., Carr Creek township, Mitchell county, Kans. Reversing and steering driving-gearing. No. 1,241,184; Sept. 25; v. 242; p. 874.
- Wood, Charles E., St. Albans, W. Va. Miter-box. No. 1,241,804; Oct. 2; v. 243; p. 107.
- Wood, Charles L., Kansas City, Mo. Sanitary finger-bowl spray. No. 1,232,151; July 3; v. 240; p. 209.
- Wood, Charles O., Chambersburg, Pa. Expanding friction-clutch. No. 1,217,258; Feb. 27; v. 235; p. 1103.
- Wood, Chester G., assignor to G. S. Wood, Chicago, Ill. Self-oiled mechanism. No. 1,239,548; Sept. 11; v. 242; p. 293.
- Wood, Clarence G., Muncie, Ind. Universal joint. No. 1,237,135; Aug. 14; v. 241; p. 550.
- Wood Concentrator Company, The. (See Wood, James N., assignor.)
- Wood, David S., Medford, Oreg. Stool. No. 1,242,407; Oct. 9; v. 243; p. 339.
- Wood, David W., Brazil, Ind. Stop mechanism. No. 1,245,653; Nov. 6; v. 244; p. 156.
- Wood Equipment Company. (See Wood, Alexander H., assignor.)
- Wood, Frank W., New York, N. Y., assignor to Floating Wedge Lock Nut Co., Inc. Eyeglasses and spectacles. No. 1,213,324; Jan. 23; v. 234; p. 1120.
- Wood, Frank W., New York, N. Y., assignor to Floating Wedge Lock Nut Co., Inc. Nut-lock. No. 1,215,460; Feb. 13; v. 235; p. 374.
- Wood, Frank W., Brooklyn, assignor to Charles Cory & Son, Inc., New York, N. Y. Electrical telegraph and indicator system. No. 1,216,533; Feb. 20; v. 235; p. 811.
- Wood, Frank W., Brooklyn, assignor to Charles Cory & Son, Inc., New York, N. Y. Centrally-controlled general-alarm system. No. 1,220,484; Mar. 27; v. 236; p. 1011.
- Wood, Frank W., Brooklyn, assignor to Charles Cory & Son, Inc., New York, N. Y. Warning-signal system. No. 1,232,745; July 10; v. 240; p. 435.
- Wood, Frank W., Montclair, N. J., assignor to Charles Cory & Son, Inc., New York, N. Y. Rudder control. No. 1,225,913; May 15; v. 238; p. 713.
- Wood, Frederick L., Meriden, Conn., assignor to The Aeolian Company. Phonograph-needle. No. 1,246,694; Nov. 13; v. 244; p. 494.
- Wood, Frederick P., Oak Park, Ill., assignor to American Can Company, New York, N. Y. Packaging ice-cream and the like. No. 1,227,725; May 29; v. 238; p. 1390.
- Wood, Garfield A., Detroit, Mich. Truck-body-door latch. No. 1,223,462; Apr. 24; v. 237; p. 961.
- Wood, George, Kansas City, Mo. Fastening device. No. 1,234,435; July 24; v. 240; p. 1055.
- Wood, George E. (See Shaw and Wood.)
- Wood, George E., Albany, Ohio. Seed-cleaner. No. 1,223,014; Apr. 17; v. 237; p. 776.
- Wood, George H., Oldham, England. Fastener for split steel lubricating and other rings. No. 1,244,568; Oct. 30; v. 243; p. 1111.
- Wood, George W., Camden, N. J. Controlling-valve mechanism for furnace-stokers. No. 1,243,237; Oct. 16; v. 243; p. 634.
- Wood, Guilford S. (See Wood, Chester G., assignor.)
- Wood, Halbert M., Nashville, Tenn. Advertising-machine. No. 1,235,408; July 31; v. 240; p. 1387.
- Wood, Harry, Santa Barbara, Cal. Crude-oil burner. No. 1,225,551; May 8; v. 238; p. 548.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Apparatus for drying matrices. No. 1,211,994; Jan. 9; v. 234; p. 592.
- Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Identifying pasted products. No. 1,216,198; Feb. 13; v. 235; p. 642.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Shaving stereotype printing-plates. No. 1,216,388; Feb. 20; v. 235; p. 761.
- Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Stereotype-plate-shaving machine. No. 1,218,736; Mar. 13; v. 236; p. 333.
- Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Machine for making magazines and the like. No. 1,232,639; July 10; v. 240; p. 397.
- Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Web-supporting device. No. 1,237,595; Aug. 21; v. 241; p. 735.
- Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Making stereotype-matrices. No. 1,237,596; Aug. 21; v. 241; p. 735.
- Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Associating and collecting mechanism. No. 1,238,613; Aug. 28; v. 241; p. 1095.
- Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web-press. No. 1,238,614; Aug. 28; v. 241; p. 1095.
- Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Machine for finishing and cooling stereotype printing-plates. No. 1,238,973; Sept. 4; v. 242; p. 82.
- Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Apparatus for drying matrices. No. 1,245,547; Nov. 6; v. 244; p. 123.
- Wood, Henry A. W., assignor, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Form-roller. No. 1,251,158; Dec. 25; v. 245; p. 918.
- Wood, Henry A. W., assignor to American High Speed Press Company, New York, N. Y. Automatic feeding mechanism for bed-and-platen presses. No. 1,213,567; Jan. 23; v. 234; p. 1204.
- Wood, Henry A. W., assignor to American High Speed Press Company, New York, N. Y. Automatic tripping mechanism for bed-and-platen presses. No. 1,213,568; Jan. 23; v. 234; p. 1204.
- Wood, Henry A. W., assignor to Wood & Nathan Company, New York, N. Y. Mechanism for printing from intaglio printing-plates. No. 1,239,242; Sept. 4; v. 242; p. 168.
- Wood, Henry A. W., New York, and J. A. Isbell, Middletown, assignors, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Folding-blade-adjusting mechanism. No. 1,213,325; Jan. 23; v. 234; p. 1120.
- Wood, Henry A. W., New York, and J. A. Isbell, Middletown, assignors, by mesne assignments, to Wood Newspaper Machinery Corporation, New York, N. Y. Paper-roll-supporting mechanism. No. 1,242,506; Oct. 9; v. 243; p. 369.
- Wood, Herbert, Philadelphia, Pa. Belt-wheel. No. 1,244,396; Oct. 23; v. 243; p. 1020.
- Wood, Herbert J., Mount Clemens, Mich. Portable water-closet. No. 1,225,914; May 15; v. 238; p. 714.
- Wood, Homer W. (See Otis, Irving J., assignor.)
- Wood, James, Binghamton, N. Y. Hat-pin guard. No. 1,216,905; Feb. 20; v. 235; p. 938.
- Wood, James B., Philadelphia, Pa. Binder for cards, papers, &c. No. 1,238,472; Aug. 28; v. 241; p. 1050.
- Wood, James J., Fort Wayne, Ind., assignor to General Electric Company. Motor-drive. No. 1,232,152; July 3; v. 240; p. 209.
- Wood, James N., Blackshear, Ga., assignor to The Wood Concentrator Company. Compressing apparatus. No. 1,229,563; June 12; v. 239; p. 461.
- Wood, John H. (See Goelzer, Walter J., assignor.)

Alphabetical list of patentees—Continued.

- Wood, John R., Newark, N. J., and D. C. Epright, Spring City, assignors, by mesne assignments, to Abram Cox Stove Company, Philadelphia, Pa. Molding-machine. No. 1,239,656; Sept. 11; v. 242; p. 326.
- Wood, John R., Newark, N. J., and D. C. Epright, Spring City, Pa., assignors to W. E. Perrine, Cleveland, Ohio. Molding-machine. No. 1,248,975; Dec. 4; v. 245; p. 159.
- Wood, John W., Swartz Creek, Mich. Automobile repair-truck and turn-table. No. 1,243,574; Oct. 16; v. 243; p. 734.
- Wood, Leonard C., Alden, Iowa. Clutch mechanism. No. 1,248,773; Dec. 4; v. 245; p. 102.
- Wood, Lewis N., et al. (See Nelsen, Nels C., assignor.)
- Wood, Milton R., East Orange, N. J. Display-card. No. 1,236,131; Aug. 7; v. 241; p. 194.
- Wood & Nathan Company. (See Wood, Henry A. W., assignor.)
- Wood Newspaper Machinery Corporation. (See Pearce, Parker, and Bennison, assignors.)
- Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
- Wood Newspaper Machinery Corporation. (See Wood and Isbell, assignors.)
- Wood, Oscar O., et al. (See Bretz, George W., assignor.)
- Wood, Owen A. (See Ogilvy and Wood.)
- Wood, Percy M. (See Cottrell, Archie E., assignor.)
- Wood, Pinckney A., Washington, D. C., assignor of one-fourth to T. U. Sisson, Winona, one-fourth to R. M. Trotter, West Point, and one-fourth to B. Gillespie, Duck Hill, Miss. Trailer attachment for automobiles. No. 1,250,066; Dec. 11; v. 245; p. 503.
- Wood, Preston K., Los Angeles, Cal. Mechanical movement for pump-heads. No. 1,226,430; May 15; v. 238; p. 890.
- Wood, Robert L., Fort Deposit, Ala. Insect-destroyer. No. 1,222,706; Apr. 17; v. 237; p. 671.
- Wood, Robert W., Baltimore, Md. Making light-diffusing screens. No. 1,240,398; Sept. 18; v. 242; p. 598.
- Wood, Rodney J., Dayton, Ohio. Garment-distender. No. 1,231,830; July 3; v. 240; p. 100.
- Wood, Rufus H., Overton, Nebr. Operating mechanism for churns. No. 1,211,517; Jan. 9; v. 234; p. 424.
- Wood, Rushmore, Brooklyn, N. Y. Standard of position for aircraft. No. 1,237,734; Aug. 21; v. 241; p. 780.
- Wood-Smith, George F., Pittsburgh, Pa. End anchorage for tank-cars. No. 1,245,850; Nov. 6; v. 244; p. 215.
- Wood, Theodore S., New York, N. Y. Game apparatus. No. 1,231,683; July 3; v. 240; p. 50.
- Wood, Walter D., assignor to Fuel Saving Company, Allentown, Pa. Firing-chamber for powdered fuel. No. 1,222,344; Apr. 10; v. 237; p. 502.
- Wood, Walter D., assignor to Fuel Saving Company, Allentown, Pa. Slag-pan for fine-fuel burners. No. 1,234,848; July 31; v. 240; p. 1215.
- Wood, Walter D., New York, N. Y., assignor to Fuel Savings Company, Allentown, Pa. Feeding and burning fine fuel. No. 1,232,640; July 10; v. 240; p. 397.
- Wood, Walter D., and H. G. Barnhurst, assignors to Fuel Saving Company, Allentown, Pa. Feeding and burning fine fuel. No. 1,228,632; June 5; v. 239; p. 87.
- Wood, Walter E., assignor to Elwood Coal Service, Rochester, N. Y. Coal-shield. No. 1,239,549; Sept. 11; v. 242; p. 293.
- Wood, Walter J., Atlanta, Ga. Combination dresser and dressing and writing table. No. 1,221,643; Apr. 3; v. 237; p. 222.
- Wood, Wilfred R., London, England. Air-supply to mechanical stokers. No. 1,221,125; Apr. 3; v. 237; p. 43.
- Wood, William F. (See Mize, George M., assignor.)
- Wood, William G., assignor of one-half to F. B. McKevitt, Sacramento, Cal. Steam-shovel dipper. No. 1,215,089; Feb. 6; v. 235; p. 213.
- Wood, William H., South Euclid, Ohio. Lamp. No. 1,235,274; July 31; v. 240; p. 1348.
- Wood, William H., Cleveland, Ohio. Lamp. No. 1,235,275; July 31; v. 240; p. 1348.
- Wood, William H., Cleveland, Ohio. Lamp. No. 1,235,276; July 31; v. 240; p. 1348.
- Wood, William H., Cleveland, Ohio, assignor to S. W. Cook, trustee, Chicago, Ill. Arch-support. No. 1,215,090; Feb. 6; v. 235; p. 213.
- Wood, William H., Cleveland, Ohio, assignor to S. W. Cook, trustee, Chicago, Ill. Instep-arch support. No. 1,232,153; July 3; v. 240; p. 209.
- Wood, William H., Cleveland, Ohio, assignor to S. W. Cook, trustee, Chicago, Ill. Orthopedic appliance for foot treatment. No. 1,240,286; Sept. 18; v. 242; p. 563.
- Wood, William H., Cleveland, Ohio, assignor to S. W. Cook, trustee, Chicago, Ill. Appliance for correcting foot ailments. No. 1,243,124; Oct. 16; v. 243; p. 601.
- Wood, William H., Cleveland, Ohio, assignor to S. W. Cook, trustee, Chicago, Ill. Metal-working work-holding anvil. No. 1,243,125; Oct. 16; v. 243; p. 601.
- Wood, William M., assignor to The United Gas Improvement Company, Philadelphia, Pa. Automatic shut-off for gas-burners. No. 1,242,408; Oct. 9; v. 243; p. 339.
- Wood, William P., Roseberry, British Columbia, Canada. Level. No. 1,230,258; June 19; v. 239; p. 717.
- Wood, William T., Nashville, Tenn. Hydrocarbon-burner. No. 1,219,365; Mar. 13; v. 236; p. 551.
- Woodall, Charles P., Lakewood, Ill. Egg-tester. No. 1,235,869; Aug. 7; v. 241; p. 111.
- Woodard, Ernest L., Eureka township, Montcalm county, Mich. Tilling implement. No. 1,241,596; Oct. 2; v. 243; p. 42.
- Woodard, James I., Waycross, Ga. Wheel-clamp. No. 1,241,459; Sept. 25; v. 242; p. 960.
- Woodard, John H. (See Martin, John A., assignor.)
- Woodard, Robert C. (See Hodge, Graham, and Woodard.)
- Woodard, William E., Schenectady, N. Y. Connecting-rod. No. 1,245,416; Nov. 6; v. 244; p. 82.
- Woodard, William E., Lima, Ohio. Lateral-motion driving-box. No. 1,250,747; Dec. 18; v. 245; p. 746.
- Woodbridge, Arthur L., Chicago, Ill. Stair structure. No. 1,219,614; Mar. 20; v. 236; p. 667.
- Woodbridge, James E. (See De Fèvre and Woodbridge.)
- Woodbridge, Joseph L., Philadelphia, Pa. System of electrical distribution. No. 1,211,802; Jan. 9; v. 234; p. 522.
- Woodbridge, Joseph L., Philadelphia, Pa. Voltage regulation. No. 1,211,803; Jan. 9; v. 234; p. 523.
- Woodbridge, Joseph L., Philadelphia, Pa. Electromagnetic switch. No. 1,225,388; May 8; v. 238; p. 495.
- Woodbridge, Joseph L., Philadelphia, Pa. Means for interconverting alternating and direct currents. No. 1,244,569; Oct. 30; v. 243; p. 1111.
- Woodbury, Byron E., Abercrombie, N. D. Fan for grain-separators. No. 1,237,437; Aug. 21; v. 241; p. 685.
- Woodbury, Carl L., Los Angeles, Cal. Spike and other fastener. No. 1,213,787; Jan. 23; v. 234; p. 1277.
- Woodbury, John E., Worcester, Mass. Combined finding and focusing mechanism for cameras. No. 1,238,473; Aug. 28; v. 241; p. 1050.
- Woodbury, John E., Worcester, Mass. Focusing device for cameras. No. 1,238,474; Aug. 28; v. 241; p. 1051.
- Woodbury, William H. (See Asplet, Arthur, assignor.)
- Woodell, Edgar A. (See Woodell, Thomas M., assignor.)
- Woodell, Thomas M., Glenwood, assignor of one-half to E. A. Woodell, Greensboro, N. C. Combined level and square. No. 1,222,504; Apr. 10; v. 237; p. 558.
- Wooden, Frederick G., et al., trustees. (See Fisher, Elmer F., assignor.)
- Wooden, Luther W., Lima, Wis. Cheese-shelf. No. 1,243,788; Oct. 23; v. 243; p. 837.
- Wooden, Lynn, Black Rock, Oreg. Set-screw. No. 1,247,356; Nov. 20; v. 244; p. 722.
- Woodford, Arthur J., assignor of one-fourth to E. F. Buchan and one-fourth to W. H. Buchan, Worthington, Minn. Pump-tool. No. 1,226,431; May 15; v. 238; p. 891.
- Woodford, Frank E., Chicago, Ill. Car-handling apparatus. No. 1,225,694; May 8; v. 238; p. 596.
- Woodhead, Daniel, assignor to Central Electric Company, Chicago, Ill. Cable-terminal. No. 1,227,726; May 29; v. 238; p. 1390.
- Woodhead, Horace G., Chicago, Ill. Clamp. No. 1,243,027; Oct. 16; v. 243; p. 571.
- Woodhull, Mark J., Angola, Ind. Railway-road spreader. No. 1,232,641; July 10; v. 240; p. 397.
- Woodhull, Mitchell H., et al. (See Lattig, Jacob W., assignor.)
- Wooding, Benjamin F., Montclair, N. J. Railway-traffic-control equipment. No. 1,211,995; Jan. 9; v. 234; p. 593.
- Wooding, Benjamin F., Montclair, N. J., assignor to Wooding Railway Warning Device Company, Denver, Colo. Railway-traffic-control apparatus. No. 1,216,038; Feb. 13; v. 235; p. 585.
- Wooding Railway Warning Device Company. (See Wooding, Benjamin F., assignor.)
- Woodjard, Guy L., San Diego, Cal. Spring-oller. No. 1,220,924; Mar. 27; v. 236; p. 1159.
- Woodland, Frances S., et al., administrators. (See Woodland, Frank O.)
- Woodland, Frank O., deceased; F. S. Woodland, Worcester, and A. F. Kelley, Grafton, administrators, assignors to Economic Machinery Company, Worcester, Mass. Labeling-machine. No. 1,230,550; June 19; v. 239; p. 814.
- Woodland, Frank O., deceased; F. S. Woodland, Worcester, and A. F. Kelley, Grafton, administrators, assignors to Economic Machinery Company, Worcester, Mass. Wiper mechanism for labeling-machines. No. 1,239,358; Sept. 11; v. 242; p. 393.
- Woodlee, John, Jr., et al. (See Sartain, Louis M., assignor.)
- Woodley, Henry, West Berkeley, Cal. Curtain and fabric stretcher. No. 1,223,015; Apr. 17; v. 237; p. 776.
- Woodley, James C., Evanston, Ill. Manufacturing fibrous composition. No. 1,240,524; Sept. 18; v. 242; p. 637.
- Woodman, Albert G., Grand Rapids, Mich. Beehive. No. 1,242,628; Oct. 9; v. 243; p. 409.
- Woodman, Frederick B., Toronto, Ontario, Canada. Combined military mirror and button-stick. No. 1,248,976; Dec. 4; v. 245; p. 160.
- Woodman, George A. (See Carscadin and Woodman.)
- Woodman, Horace P., Bennington, Vt. Gasolene-gage. No. 1,234,597; July 24; v. 240; p. 1105.
- Woodrow, Harry R. (See Murray and Woodrow.)
- Woodrow, Harry R. (See Torchio and Woodrow.)
- Woodrow, Harry R., assignor to T. E. Murray, New York, N. Y. Electric welding-machine. No. 1,212,869; Jan. 16; v. 234; p. 927.

- Woodrow, Harry R., assignor to T. E. Murray, New York, N. Y. Device for controlling energy delivered to welding-electrodes. No. 1,230,357; June 19; v. 239; p. 750.
- Woodruff, Harry C., *et al.*, trustees. (See Clark, George C., assignor.)
- Woodruff, Lewis S., Arlington Heights, Mass. Reclaiming stiffening material from compositions. No. 1,232,154; July 3; v. 240; p. 210.
- Woodruff, William W., Ardmore, Pa., assignor to The Rand Company, North Tonawanda, N. Y. Tag. No. 1,214,864; Feb. 6; v. 235; p. 132.
- Woods, Arthur R. T., Harrow, near London, England. Ship's boat or the like. No. 1,232,155; July 3; v. 240; p. 210.
- Woods, Charles C., Denver, Colo. Tuning instrument. No. 1,212,304; Jan. 16; v. 234; p. 729.
- Woods, Clinton E., assignor to American Graphophone Company, Bridgeport, Conn. Talking-machine. No. 1,213,443; Jan. 23; v. 234; p. 1161.
- Woods, Clinton E., assignor to American Graphophone Company, Bridgeport, Conn. Talking-machine. No. 1,214,106; Jan. 30; v. 234; p. 1417.
- Woods, Clinton E., assignor to American Graphophone Company, Bridgeport, Conn. Recorder-reproducer device. No. 1,218,918; Mar. 13; v. 236; p. 393.
- Woods, Clinton E., assignor to American Graphophone Company, Bridgeport, Conn. Pneumatic hand control for talking-machines. No. 1,221,495; Apr. 3; v. 237; p. 171.
- Woods, Clinton E., assignor to American Graphophone Company, Bridgeport, Conn. Sound-conveyer and tone-modulator. No. 1,226,839; May 22; v. 238; p. 1063.
- Woods, Clinton E., assignor to American Graphophone Company, Bridgeport, Conn. Start and stop device for talking-machines. No. 1,236,893; Aug. 14; v. 241; p. 472.
- Woods, Edward D., assignor to Koren Manufacturing Company, Cleveland, Ohio. Combination knife and fork. No. 1,229,696; June 12; v. 239; p. 495.
- Woods, Edwin S. (See Weigel, Arnold A., assignor.)
- Woods, Edwin S., deceased, Chicago, Ill.; A. G. Welch, executor, assignor to A. G. Welch, trustee. Antifriction-bearing. No. 1,213,991; Jan. 30; v. 234; p. 1377.
- Woods, Erastus W., Chicago, Ill. Ventilating and heating apparatus. No. 1,242,507; Oct. 9; v. 243; p. 369.
- Woods, George A., Winchester, Mass. Drinking-fountain. No. 1,239,151; Sept. 4; v. 242; p. 139.
- Woods, George E. H., Dingley, Victoria, Australia. Apparatus for dressing stone. No. 1,236,894; Aug. 14; v. 241; p. 472.
- Woods-Gilbert Rail Planer Company. (See Eunson, Joseph W., assignor.)
- Woods, Homer A., Indianapolis, Ind. Lantern. No. 1,232,642; July 10; v. 240; p. 398.
- Woods, James A., Wichita, Kans. Adjustable pump-hanger. No. 1,235,749; Aug. 7; v. 241; p. 71.
- Woods, James W., Grand Junction, Colo. Placer-machine. No. 1,211,518; Jan. 9; v. 234; p. 424.
- Woods, John, Unity, Me. Level. No. 1,221,644; Apr. 3; v. 237; p. 223.
- Woods, Joseph, Hankow, China. Abdominal support. No. 1,250,407; Dec. 18; v. 245; p. 646.
- Woods, Joseph M., assignor of one-half to D. W. Johnson, Chicago, Ill. Vehicle-wheel. No. 1,241,805; Oct. 2; v. 243; p. 107.
- Woods Motor Vehicle Company. (See Feind, Roland S., assignor.)
- Woods, Perry C., assignor of three-fourths to H. H. Welsh, Washington, Iowa. Measuring instrument. No. 1,244,570; Oct. 30; v. 243; p. 1111.
- Woods, Thomas. (See Burlew, Miles, assignor.)
- Woods, Wilson R., Los Angeles, Cal. Meat-cutter. No. 1,214,739; Feb. 6; v. 235; p. 90.
- Woodstock Manufacturing Company. (See Bourdon, Leo R. and A. P., assignors.)
- Woodstock Typewriter Company. (See Roebuck, Alvah C., assignor.)
- Woodstock Typewriter Company. (See Roebuck and Pruszyński, assignors.)
- Woodstock Typewriter Company. (See Roebuck and Steinkne, assignors.)
- Woodsum, Gerald R., Oakland, Me. Veneer-making machine for the manufacture of toothpicks. No. 1,243,909; Oct. 23; v. 243; p. 875.
- Woodward, Alva W., Bluffton, Ind. Silo-door. No. 1,221,942; Apr. 10; v. 237; p. 361.
- Woodward, Arthur C., Cranford, assignor to The A. & F. Brown Company, Elizabethport, N. J. Siren. No. 1,245,299; Nov. 6; v. 244; p. 47.
- Woodward, Charles D., Providence, R. I. Screw. No. 1,235,626; Aug. 7; v. 241; p. 32.
- Woodward, Charles D., Providence, R. I. Device for navigating by the north star. No. 1,240,525; Sept. 18; v. 242; p. 637.
- Woodward, E. P., *et al.* (See Woodward, Edwin C., assignor.)
- Woodward, E. R., *et al.* (See Woodward, Edwin C., assignor.)
- Woodward, Edwin C., Dallas, Tex. Mixing concrete and the like. No. 1,218,347; Mar. 6; v. 236; p. 160.
- Woodward, Edwin C., assignor to E. P. Woodward, Dallas, and E. R. Woodward, Fort Worth, Tex. Sealing pipe-joints. No. 1,240,287; Sept. 18; v. 242; p. 563.
- Woodward, Edwin C., assignor to E. P. Woodward, Dallas, and E. R. Woodward, Fort Worth, Tex. Apparatus for sealing pipe-joints. No. 1,240,288; Sept. 18; v. 242; p. 563.
- Woodward, Erastus, Somerville, assignor, by mesne assignments, of one-half to J. J. Sheehan and one-half to W. P. Egan, Lynn, Mass. Printing and marking machine. No. 1,214,632; Feb. 6; v. 235; p. 52.
- Woodward, George L., Yonkers, N. Y. Automatic checker and tally. No. 1,246,210; Nov. 13; v. 244; p. 349.
- Woodward, Irving C., Chicago, Ill. Stamp severing and feeding mechanism. No. 1,238,241; Aug. 28; v. 241; p. 974.
- Woodward, Irving C., Chicago, Ill. Self-locking screw-thread. No. 1,250,748; Dec. 18; v. 245; p. 747.
- Woodward, Lavater, assignor of one-sixth to B. F. Odon, one-sixth to T. G. Squires, and one-sixth to D. C. Bratten, Liberty, Tenn. Suspension-bridge. No. 1,235,627; Aug. 7; v. 241; p. 32.
- Woodward, Orator E., Rochester, N. Y. Sulky-plow. No. 1,238,057; Aug. 21; v. 241; p. 881.
- Woodward, Robert S., Jr., assignor to The Standard Roller Bearing Company, Philadelphia, Pa. Car-journal roller-bearing. No. 1,223,335; Apr. 17; v. 237; p. 883.
- Woodward, Russel G., Waukegan, assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing-machines. No. 1,211,804; Jan. 9; v. 234; p. 523.
- Woodward & Tiernan Printing Co. (See Hunziker, Adolph A., assignor.)
- Woodward, Walter R. (See Mateer and Woodward.)
- Woodward, William, assignor to Brockton Heel Company, Brockton, Mass. Link mat. No. 1,222,707; Apr. 17; v. 237; p. 671.
- Woodworth, Evelyn C. (See Payne and Woodworth.)
- Woodworth, George K., trustee. (See Price, David R., assignor.)
- Woodworth, Howard P., assignor of one-half to Union Motor Truck Co., Bay City, Mich. Motor and transmission support. No. 1,247,055; Nov. 20; v. 244; p. 635.
- Woodworth, John D., East Moline, Ill. Automatic draining device. No. 1,230,972; June 26; v. 239; p. 993.
- Woody, Edward G., New York, N. Y. Inking-pad. No. 1,241,322; Sept. 25; v. 242; p. 920.
- Woody, Edward G., Wilmington, N. C. Condiment-shaker. No. 1,251,160; Dec. 25; v. 245; p. 919.
- Wooldridge, George W., Clarksville, Iowa. Self-cleaning manger. No. 1,213,053; Jan. 16; v. 234; p. 990.
- Wooldridge, James L., Decatur, Tex. Mote-board for cotton-gins. No. 1,227,727; May 29; v. 238; p. 1391.
- Wooldridge, Moses A., Wyaconda, Mo. Railway-grade crossing. No. 1,230,058; June 12; v. 239; p. 611.
- Woolf, Isaac, Providence, R. I. Ventilator. No. 1,219,893; Mar. 20; v. 236; p. 764.
- Woolf, Michael, New York, N. Y. Optical instrument. No. 1,240,289; Sept. 18; v. 242; p. 563.
- Woolhiser, Jay H., Elmhurst, N. Y. Implement for cleaning drains. No. 1,215,461; Feb. 13; v. 235; p. 375.
- Woollacott, Albert H., Los Angeles, Cal. Dimmer attachment for automobile-lamps. No. 1,220,711; Mar. 27; v. 236; p. 1038.
- Woolley, George C., New York, N. Y. Printing-ink composition. No. 1,237,136; Aug. 14; v. 241; p. 550.
- Woolley, James W., Newark, N. J. Tag. No. 1,248,047; Nov. 27; v. 244; p. 951.
- Woolley, William J. (See Tolin, Albert E., assignor.)
- Woolner, Carl F., Seattle, Wash. Sanitary cuspidor. No. 1,246,211; Nov. 13; v. 244; p. 349.
- Woolsey, William, Jr., Lynbrook, N. Y. Brake for baby-carriages. No. 1,247,056; Nov. 20; v. 244; p. 635.
- Woolson, Orosco C., New York, N. Y. Ventilated interlocking clinker-bar for furnaces. No. 1,248,048; Nov. 27; v. 244; p. 951.
- Woolson, Thomas D., Buffalo, N. Y. Ambulatory toy. No. 1,216,906; Feb. 20; v. 235; p. 938.
- Woonsocket Rubber Company. (See Hadfield and Kuhlthau, assignors.)
- Wooster, Philip L., Yonkers, N. Y. Cleaning filters in connection with the purification of sugar, oils, and chemicals. No. 1,240,290; Sept. 18; v. 242; p. 564.
- Wootten, William M., *et al.* (See Barber, Guy M., assignor.)
- Wootton, Henrietta M., Boston, Mass. Ornamental article. No. 1,214,402; Jan. 30; v. 234; p. 1520.
- Woratzek, Frank W., Trenton, Ill. Corn-planter and hill-marker. No. 1,211,265; Jan. 2; v. 234; p. 307.
- Worcester Flexible Tubing Company. (See Marsolais, Joseph F., assignor.)
- Worden, Aden M., Phoenix, Ariz. Train-stopping apparatus. No. 1,227,866; May 29; v. 238; p. 1439.
- Worden, Enoch W., Flint, Mich. Match-box. No. 1,216,907; Feb. 20; v. 235; p. 939.
- Worden, Frank B. (See Carlson and Worden.)
- Worden, Frank B., Jamestown, and E. Carlson, Buffalo, N. Y., assignors, by mesne assignments, to said Worden. Sheet-metal frame. No. 1,233,432; July 17; v. 240; p. 693.
- Worden, W. L. (See Daggett, Roy A., assignor.)
- Wordingham, George, Milwaukee, Wis. Swivel-hook for coat-hangers. No. 1,213,569; Jan. 23; v. 234; p. 1205.
- Wordingham, George, Milwaukee, Wis. Garment-hanger. No. 1,229,371; June 12; v. 239; p. 886.

Alphabetical list of patentees—Continued.

- Work, Willis I., assignor to Walworth Manufacturing Company, Boston, Mass. Electric-fan attachment. No. 1,226,734; May 22; v. 238; p. 1027.
- Workman, Harold, Glasgow, Scotland. Cinematograph apparatus. No. 1,248,587; Dec. 4; v. 245; p. 48.
- Workman, James A., Sr., Portageville, Mo. Spring-wheel. No. 1,237,988; Aug. 21; v. 241; p. 859.
- Worley, August R. (See Herman, Walter G., assignor.)
- Worley, Henry F., assignor to J. S. McCabe, Minneapolis, Minn. Concrete-culvert mold. No. 1,243,910; Oct. 23; v. 243; p. 875.
- Worman, William O., Ogden, Utah. Moving-picture-film-rewinding apparatus. No. 1,222,505; Apr. 10; v. 237; p. 559.
- Worns, Edwin C., New York, N. Y. Boiler-repair plug. No. 1,241,597; Oct. 2; v. 243; p. 43.
- Worsell, John H., Gull Lake, Saskatchewan, Canada. Grain-scoop. No. 1,212,305; Jan. 16; v. 234; p. 730.
- Worsley, Otto G., Aurora, Ill. Spring-wheel. No. 1,244,681; Oct. 30; v. 243; p. 1144.
- Worstall, George G., Toms River, N. J. Automatic lens-drilling attachment. No. 1,222,506; Apr. 10; v. 237; p. 559.
- Worstell, Emory R., St. Bernard, Ohio. Safety-brake. No. 1,243,373; Oct. 16; v. 243; p. 675.
- Wortendyke Manufacturing Company. (See Livy, Ernest B., assignor.)
- Worth, Carolyn T., Babylon, N. Y. Scraper for crumb-brushes. No. 1,221,261; Apr. 3; v. 237; p. 92.
- Worth, James, Lincolne, assignor of one-half to R. D. Parks, Allerton, Iowa. Corn-popper. No. 1,248,234; Nov. 27; v. 244; p. 1005.
- Worth, John S., *et al.* (See Worth, and Brecht, assignors.)
- Worth, John S., assignor to himself and W. P. Worth, Coatesville, Pa. Car construction. No. 1,224,052; Apr. 24; v. 237; p. 1168.
- Worth, John S., and C. Brecht, assignors to said John S. and W. P. Worth, Coatesville, Pa. Railway-car. No. 1,224,050; Apr. 24; v. 237; p. 1167.
- Worth, John S., and C. Brecht, assignors to said John S. and W. P. Worth, Coatesville, Pa. Car end. No. 1,224,051; Apr. 24; v. 237; p. 1167.
- Worth, John S., and C. Brecht, assignors to J. S. and W. P. Worth, Coatesville, Pa. Car end. No. 1,251,316; Dec. 25; v. 245; p. 964.
- Worth, William P. (See Worth, John S., assignor.)
- Worth, William P., *et al.* (See Worth and Brecht, assignors.)
- Worthen, Frank F., Piermont, N. H. Mechanism for automatically controlling elevator-cars. No. 1,219,061; Mar. 13; v. 236; p. 446.
- Worthington, Charles C., Dunnfield, N. J. Gang lawnmower. No. 1,210,879; Jan. 2; v. 234; p. 172.
- Worthington, Henry R., Dunnfield, N. J. Signaling apparatus. No. 1,238,975; Sept. 4; v. 242; p. 82.
- Worthington, J. and W. Pleasant City, Ohio. Record-cleaning attachment for phonographs. No. 1,242,751; Oct. 9; v. 243; p. 448.
- Worthington Pump and Machinery Corporation. (See Bernhard, Richard, assignor.)
- Worthington Pump and Machinery Corporation. (See Hewitt, William B., assignor.)
- Worthington Pump and Machinery Corporation. (See Potter, Bernard U., assignor.)
- Worthington, William. (See Worthington, James and W.)
- Wozny, Wasyl, and P. Husak, Boundbrook, N. J. Combination penholder and blotter. No. 1,243,911; Oct. 23; v. 243; p. 875.
- Wozny, Wasyl, and P. Husak, Boundbrook, N. J. Non-refillable bottle. No. 1,248,774; Dec. 4; v. 245; p. 103.
- Wragg, William E., Philadelphia, Pa. Control for elevator-doors. No. 1,240,291; Sept. 18; v. 242; p. 564.
- Wray, Arthur. (See Wray, George and A.)
- Wray, Charles F., assignor to National Brass Manufacturing Co., Rochester, N. Y. Turning plug. No. 1,222,171; Apr. 10; v. 237; p. 441.
- Wray, Charles F., assignor to National Brass Manufacturing Company, Rochester, N. Y. Turning plug. No. 1,222,172; Apr. 10; v. 237; p. 441.
- Wray, Dudley C., *et al.* (See Flatau, Louis S., assignor.)
- Wray, Edward, Fairfield, near Manchester, assignor to Claus & Co., Limited, Clayton, Manchester, England. Manufacture of new indophenolic compounds and of dyestuffs therefrom. No. 1,247,475; Nov. 20; v. 244; p. 756.
- Wray, George and A., Keighley, England. Apparatus for dampening, moistening, or humidifying fabrics and the like. No. 1,235,511; July 31; v. 240; p. 1419.
- Wray, Harry C., North Bend, Ore. Camera attachment. No. 1,224,588; May 1; v. 238; p. 169.
- Wray, Joseph H., Salt Lake City, Utah. Combined can opener and sealer. No. 1,212,431; Jan. 16; v. 234; p. 773.
- Wray, T. Allie, *et al.* (See Flatau, Louis S., assignor.)
- Wren, Lamont S. (See Joerden, Harry J., assignor.)
- Wright, Abbott L., Chicago, Ill. Air-brake attachment. No. 1,238,375; Aug. 28; v. 241; p. 1018.
- Wright, Adrian P., Valley Center, Kans. Traction balling-machine. No. 1,227,355; May 22; v. 238; p. 1237.
- Wright, Anthony T., Prolona, Ga. Shoe-fastener. No. 1,211,996; Jan. 9; v. 234; p. 593.
- Wright, Archibald F., East Orange, N. J. Drying materials. No. 1,251,317; Dec. 25; v. 245; p. 965.
- Wright, Arthur, New York, N. Y. Safety-pin. No. 1,214,633; Feb. 6; v. 235; p. 53.
- Wright, Arthur, New York, N. Y. Moving-picture process and apparatus. No. 1,251,161; Dec. 25; v. 245; p. 919.
- Wright, Benjamin C. (See Budgeon and Wright.)
- Wright, Charles, Walton, Liverpool, England. Ventilator. No. 1,245,851; Nov. 6; v. 244; p. 215.
- Wright, Charles A., Ringwood, Okla. Power-transmitting mechanism for tractors. No. 1,245,168; Nov. 6; v. 244; p. 8.
- Wright, Charles C., Parkfield, Princes Risborough, England. Brake-applying mechanism. No. 1,222,839; Apr. 17; v. 237; p. 716.
- Wright, Charles D. (See Braden and Wright.)
- Wright, Charles D., Toledo, Ohio. Automobile-power-transmitting apparatus. No. 1,230,259; June 19; v. 239; p. 717.
- Wright, Charles V., Reynolds, Pa. Shaking-screen. No. 1,228,277; May 29; v. 238; p. 1573.
- Wright, Charles X., Miami, Ariz. Lubricant-arrester. No. 1,220,712; Mar. 27; v. 236; p. 1088.
- Wright, Clyde S., assignor to The National Supply Company, Toledo, Ohio. Underreamer. No. 1,242,508; Oct. 9; v. 243; p. 370.
- Wright, Edwana E., Atlanta, Ga. Dust-collector for radiators. No. 1,246,212; Nov. 13; v. 244; p. 849.
- Wright, Edward H., and J. F. Oakleaf, Olean, assignors to Vacuum Oil Company, Rochester, N. Y. Treating waste liquor. No. 1,236,031; Aug. 7; v. 241; p. 165.
- Wright, Ernest, Arch Creek, Fla. Package-tie. No. 1,244,157; Oct. 23; v. 243; p. 948.
- Wright, Fenton, Kansas City, Mo. Coin-actuated clock-bank. No. 1,212,597; Jan. 16; v. 234; p. 832.
- Wright, Fenton, Kansas City, Mo. Lock. No. 1,213,992; Jan. 30; v. 234; p. 1378.
- Wright, Flint W., East Rochester, assignor to American Piano Company, New York, N. Y. Tracking device for automatic musical instruments. No. 1,245,081; Oct. 30; v. 243; p. 1265.
- Wright, Francis M., *et al.* (See James, George A., assignor.)
- Wright, Frank G., San Diego, Cal. Gas-saver for gas-burners. No. 1,217,854; Feb. 27; v. 235; p. 1311.
- Wright, Frank T., *et al.* (See Smith, Emery H., assignor.)
- Wright, Frederick, Summerside, Prince Edward Island, Canada. Potato digger and pulverizer. No. 1,229,372; June 12; v. 239; p. 386.
- Wright, Frederick C., Halifax, Nova Scotia, Canada. Pipe-cleaner. No. 1,240,641; Sept. 18; v. 242; p. 671.
- Wright, Frederick C., Halifax, Nova Scotia, Canada. Self-stabilizing aeroplane. No. 1,250,749; Dec. 18; v. 245; p. 747.
- Wright, George M., London, England, assignor to Marconi Wireless Telegraph Company of America, New York, N. Y. Valve-receiver for wireless signals. No. 1,238,869; Sept. 4; v. 242; p. 48.
- Wright, George M., London, England, assignor to Marconi Wireless Telegraph Company of America, New York, N. Y. Valve-receiver for wireless signals. No. 1,243,789; Oct. 23; v. 243; p. 837.
- Wright, George P. (See Hobson and Wright.)
- Wright, George R., Surrey Centre, British Columbia, Canada. Ignition means for explosive-engines. No. 1,251,162; Dec. 25; v. 245; p. 919.
- Wright, George T., and L. C. Hodson, Ames, assignors to Consolidated Chemical Products Company, Des Moines, Iowa. Separation of ores and metals. No. 1,238,242; Aug. 28; v. 241; p. 975.
- Wright, George W., Deming, N. Mex. Process of and apparatus for smelting ores. No. 1,211,805; Jan. 9; v. 234; p. 524.
- Wright, Harry E., Spokane, Wash. Rebound-snobber. No. 1,214,403; Jan. 30; v. 234; p. 1520.
- Wright, Harry S., Paris, Idaho. Thermometer-case. No. 1,218,031; Mar. 6; v. 236; p. 49.
- Wright, Hartwell S., Van Duzar, Ark. Railway-spike. No. 1,214,634; Feb. 6; v. 235; p. 53.
- Wright, Howard J. (See Strong, Ira, assignor.)
- Wright, Isabella J., Kalamazoo, Mich. Ink-removing and bleaching compound. No. 1,226,735; May 22; v. 238; p. 1028.
- Wright, J. D. (See Dickinson, Joseph C., assignor.)
- Wright, Jacob P., Barborton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Mechanism for dividing laminated material. No. 1,248,588; Dec. 4; v. 245; p. 48.
- Wright, James C., Colorado Springs, Colo., assignor of one-half to T. L. Rippey, Dallas, Tex. Rock-drill. No. 1,218,149; Mar. 6; v. 236; p. 91.
- Wright, James E., Bay City, Mich. Shot-spreading device for gun-muzzles. No. 1,227,987; May 29; v. 238; p. 1481.
- Wright, James M., Tama, Iowa. Display-case. No. 1,228,510; June 5; v. 239; p. 47.
- Wright, James R., Denver, Colo. Vapor-bath cabinet. No. 1,231,466; June 26; v. 239; p. 1159.
- Wright, John E., New York, N. Y. Telegraph system. No. 1,219,522; Mar. 20; v. 236; p. 635.
- Wright, John E., New York, N. Y. Printing-telegraph. No. 1,223,463; Apr. 24; v. 237; p. 961.

- Wright, John G., assignor of one-third to J. Kennedy, Tyler, Tex. Wrench. No. 1,244,273; Oct. 23; v. 243; p. 984.
- Wright, John R., *et al.* (See Medanich, Daniel B., assignor.)
- Wright, John R., Legrand, Iowa. Rim-breaker. No. 1,242,409; Oct. 9; v. 243; p. 339.
- Wright, John R., assignor of two-fifths to J. O. Brigman, Wheeling, Mo. Pneumatic grain-elevator. No. 1,236,032; Aug. 7; v. 241; p. 165.
- Wright, John W., Marion township, Boone county, Ind. Division-block for baling-presses. No. 1,224,697; May 1; v. 238; p. 207.
- Wright, Joseph L., Cleveland, Ohio, assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,221,262; Apr. 3; v. 237; p. 92.
- Wright, Joseph L., Cleveland, Ohio, assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,233,830; July 17; v. 240; p. 822.
- Wright, Joseph L., Cleveland, Ohio, assignor, by mesne assignments, to Western Electric Company, Incorporated. Telephone-exchange system. No. 1,234,246; July 24; v. 240; p. 993.
- Wright, Joseph L., Washington, D. C., assignor, by mesne assignments, to J. R. Garfield, trustee, Cleveland, Ohio. Telephone-exchange system. No. 1,244,571; Oct. 30; v. 243; p. 1111.
- Wright, Joseph L., assignor, by mesne assignments, to J. R. Garfield, trustee, Cleveland, Ohio. Telephone-exchange system. No. 1,249,582; Dec. 11; v. 245; p. 363.
- Wright, Joseph L., assignor, by mesne assignments, to J. R. Garfield, trustee, Cleveland, Ohio. Telephone-exchange system. No. 1,249,583; Dec. 11; v. 245; p. 363.
- Wright, Leonard J. *et al.* (See Watts, Daniel J., assignor.)
- Wright, Morris S., Worcester, Mass. Pneumatic action for musical instruments. No. 1,214,865; Feb. 6; v. 235; p. 132.
- Wright, Morris S., Worcester, Mass. Pneumatic action for self-playing musical instruments. No. 1,218,150; Mar. 6; v. 236; p. 91.
- Wright, Morris S., assignor to M. S. Wright Company, Worcester, Mass. Vacuum-cleaner. No. 1,233,948; July 17; v. 240; p. 861.
- Wright, Nelson E., Springfield, Mass. Antiskidding device for wheels. No. 1,232,468; July 3; v. 240; p. 307.
- Wright, Noah S. (See Moakler, John W., assignor.)
- Wright, Noah S., East Worcester, N. Y. Motor-oil protector. No. 1,227,728; May 29; v. 238; p. 1391.
- Wright, Parvin, Vancouver, British Columbia, Canada. Electric induction-furnace. No. 1,218,151; Mar. 6; v. 236; p. 92.
- Wright, Paul D., Wilkinsburg, Pa. Try-rod or stock-level indicator for blast-furnaces. No. 1,237,735; Aug. 21; v. 241; p. 780.
- Wright, Rea P., Washington, D. C., assignor to The American Wringer Company, Woonsocket, R. I. Pressure-roll release for clothes-wringers. No. 1,219,523; Mar. 20; v. 236; p. 635.
- Wright, Rea P., Washington, D. C., assignor to The American Wringer Company, Woonsocket and Providence, R. I. Reversible finger-guard for clothes-wringers. No. 1,221,943; Apr. 10; v. 237; p. 361.
- Wright, Rea P., Washington, D. C., assignor to J. F. Hemenway, New York, N. Y. Adjustable automatic pressure-roll release for clothes-wringers. No. 1,220,042; Mar. 20; v. 236; p. 815.
- Wright, Rea P., Washington, D. C., assignor to J. F. Hemenway, New York, N. Y. Adjustable automatic pressure-roll release for clothes-wringers. No. 1,220,043; Mar. 20; v. 236; p. 815.
- Wright, Rea P., Washington, D. C., assignor to J. F. Hemenway, New York, N. Y. Automatic pressure-roll release for clothes-wringers. No. 1,220,044; Mar. 20; v. 236; p. 816.
- Wright, Rea P., Washington, D. C., assignor to J. F. Hemenway, New York, N. Y. Pressure-roll release for clothes-wringers. No. 1,220,045; Mar. 20; v. 236; p. 816.
- Wright, Rea P., Washington, D. C., assignor to J. F. Hemenway, New York, N. Y. Pressure-roll release for clothes-wringers. No. 1,220,046; Mar. 20; v. 236; p. 817.
- Wright, Rea P., Washington, D. C., assignor to J. F. Hemenway, New York, N. Y. Pressure-roll release for clothes-wringers. No. 1,220,047; Mar. 20; v. 236; p. 817.
- Wright, Rea P., Washington, D. C., assignor to J. F. Hemenway, New York, N. Y. Automatic pressure-roll releasing device for clothes-wringers. No. 1,220,048; Mar. 20; v. 236; p. 818.
- Wright, Rea P., Washington, D. C., assignor to J. F. Hemenway, New York, N. Y. Automatic pressure-roll release for clothes-wringers. No. 1,220,049; Mar. 20; v. 236; p. 818.
- Wright, Rea P., Washington, D. C., assignor to J. F. Hemenway, New York, N. Y. Automatic pressure-roll release for clothes-wringers. No. 1,220,050; Mar. 20; v. 236; p. 819.
- Wright, Rea P., Washington, D. C., assignor to J. F. Hemenway, New York, N. Y. Automatic pressure-roll release for clothes-wringers. No. 1,224,053; Apr. 24; v. 237; p. 1168.
- Wright, Rea P., Washington, D. C., assignor to J. F. Hemenway, New York, N. Y. Combined stripper and pressure-release. No. 1,224,054; Apr. 24; v. 237; p. 1168.
- Wright, Rea P., Washington, D. C., assignor to J. F. Hemenway, New York, N. Y. Combined stripper and pressure-release. No. 1,224,055; Apr. 24; v. 237; p. 1169.
- Wright, Rea P., Washington, D. C., assignor to J. F. Hemenway, New York, N. Y. Adjustable automatic pressure-roll release for clothes-wringers. No. 1,231,467; June 26; v. 239; p. 1160.
- Wright, Reuben J., Bliss, N. Y. Card and letter case. No. 1,211,025; Jan. 2; v. 234; p. 225.
- Wright, Richard B., East Islip, N. Y. Composition for contact-sprays. No. 1,248,977; Dec. 4; v. 245; p. 160.
- Wright, Richard H. (See Bracy, Edward L., assignor.)
- Wright, Richard H. (See Rahn and Meyers, assignors.)
- Wright, Robert D. (See Keegan and Wright.)
- Wright, Royal J., and H. S. Bridgman, Springfield, Mass. Corset. No. 1,246,370; Nov. 13; v. 244; p. 398.
- Wright, Virgil T., Corsicana, Tex. Automobile-elevator. No. 1,248,235; Nov. 27; v. 244; p. 1005.
- Wright, Walter, New York, N. Y. Rotary type-supply drum. No. 1,226,046; May 15; v. 238; p. 759.
- Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Computing-machine. No. 1,216,758; Feb. 20; v. 235; p. 889.
- Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Computing-machine. No. 1,216,759; Feb. 20; v. 235; p. 890.
- Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,237,438; Aug. 21; v. 241; p. 635.
- Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,243,374; Oct. 16; v. 243; p. 675.
- Wright, Walter, assignor to Underwood Computing Machine Co., New York, N. Y. Combined type-writing and computing machine. No. 1,244,398; Oct. 23; v. 243; p. 1020.
- Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,244,572; Oct. 30; v. 243; p. 1112.
- Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,244,573; Oct. 30; v. 243; p. 1112.
- Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Computing-head-setting mechanism. No. 1,244,574; Oct. 30; v. 243; p. 1113.
- Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,245,300; Nov. 6; v. 244; p. 47.
- Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,245,301; Nov. 6; v. 244; p. 48.
- Wright, Walter, assignor to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,246,009; Nov. 6; v. 244; p. 258.
- Wright, Walter, San Francisco, Cal., assignor, by mesne assignments, to Underwood Computing Machine Company. Computing attachment for type-writers. No. 1,244,397; Oct. 23; v. 243; p. 1020.
- Wright, Walter, Coventry, assignor to The Dunlop Rubber Company, Limited, London, England. Wheel for vehicles. No. 1,247,199; Nov. 20; v. 244; p. 677.
- Wright, Walter, and G. O. Degener, assignors to Underwood Computing Machine Company, New York, N. Y. Combined type-writing and computing machine. No. 1,237,008; Aug. 14; v. 241; p. 509.
- Wright, Walter, and G. O. Degener, San Francisco, Cal., assignors, by mesne assignments, to Underwood Computing Machine Company. Computing attachment for type-writers. No. 1,247,198; Nov. 20; v. 244; p. 677.
- Wright, Walter E., Cleveland, Ohio. Paint composition. No. 1,226,934; May 22; v. 238; p. 1095.
- Wright, Wilbur L., Baltimore, Md. Paper container and the like. No. 1,235,750; Aug. 7; v. 241; p. 71.
- Wright, Wilbur L., assignor to The Paper Vessels Company, Baltimore, Md. Apparatus for forming paper container-bodies. No. 1,213,054; Jan. 16; v. 234; p. 991.
- Wright, William D., San Diego, Cal. Electric cooking apparatus. No. 1,214,486; Jan. 30; v. 234; p. 1547.
- Wright, William J. (See Blair and Wright.)
- Wright Wire Company. (See Dooley, James P., assignor.)
- Wright's Automatic Tobacco Packing Machine Company. (See Bracy, Edward L., assignor.)
- Wrightsmen, Warner B., Kokomo, Ind. Magneto driving mechanism. No. 1,228,864; June 5; v. 239; p. 167.
- Wrightsville Hardware Company. (See Filbey, John W., assignor.)

Alphabetical list of patentees—Continued.

- Wrigley, Albert E. (See Frey and Wrigley.)
- Wrinkle, Noah, Keeler, and W. W. Watterson, Bishop, Cal. Obtaining potassium chlorid from certain waters containing borax. No. 1,232,156; July 3; v. 240; p. 210.
- Wristen, Henry C., and J. W. Henderson, Dexter, N. Mex. Double-acting pump. No. 1,211,519; Jan. 9; v. 234; p. 425.
- Wristen, Henry C., and J. W. Henderson, Dexter, N. Mex. Latch for double-acting pumps. No. 1,218,152; Mar. 6; v. 236; p. 92.
- Writla, Rudolph, assignor of one-half to A. Chellar, Chicago, Ill. Tumbler and stein washer. No. 1,234,247; July 24; v. 240; p. 993.
- Wuellner, John C., Alton, Ill., assignor to J. J. Wuellner & Son. Knockdown building structure. No. 1,237,137; Aug. 14; v. 241; p. 550.
- Wuensch, Charles, assignor to Frank Adam Electric Company, St. Louis, Mo. Hole-plug for junction-boxes and similar structures. No. 1,239,243; Sept. 4; v. 242; p. 168.
- Wuensch, Hearman, and O. Pfeil, Fredericksburg, Tex. Cotton-press follower-board. No. 1,225,095; May 8; v. 238; p. 395.
- Wuest, Andrew, Olean, N. Y. Ventilator-damper. No. 1,219,615; Mar. 20; v. 236; p. 667.
- Wuest, George. (See Kronlund, Theodore F., assignor.)
- Wuesthoff, Frederick J., San Francisco, Cal. Knife-setting gage. No. 1,225,552; May 8; v. 238; p. 549.
- Wulff, Henry, Grafton, Wis. Electrical system. No. 1,241,460; Sept. 25; v. 242; p. 960.
- Wulff, John H. (See Allen and Wulff.)
- Wülling, Firm of Johann A. (See Busch and Lauch, assignors.)
- Wullyamoz, Frédéric, and G. Meyer, Lausanne, Switzerland. Leak-obturing device for ships. No. 1,221,496; Apr. 3; v. 237; p. 174.
- Wunder, John. (See Cowles, William P., assignor.) (Re-issue.)
- Wunder, John, *et al.* (See Durkee and Prince, assignors.)
- Wunder, John, Minneapolis, Minn. Reinforced concrete construction. No. 1,248,049; Nov. 27; v. 244; p. 952.
- Wunder, Paul, Glen Ullin, N. D. Horseshoe. No. 1,222,708; Apr. 17; v. 237; p. 672.
- Wunderlich, Adolph, Cleveland, Ohio. Threading device. No. 1,238,376; Aug. 28; v. 241; p. 1019.
- Wunderlich, Jacob H., assignor to National Casket Co., Baltimore, Md. Burial-casket lid. No. 1,220,580; Mar. 27; v. 236; p. 1044.
- Wunning, Richard, New York, N. Y. Wheel rim and tire. No. 1,227,988; May 29; v. 238; p. 1481.
- Wurdack, William, St. Louis, Mo. Junction or outlet box. No. 1,221,944; Apr. 10; v. 237; p. 361.
- Würgler, Jakob. (See Engli, Grob, and Würgler.)
- Wurlitzer, Fanny R., and F. L. McCormick, assignors to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Duplex tracker for musical instruments. No. 1,240,113; Sept. 11; v. 242; p. 469.
- Wurmnest, Emil, Morton, Ill. Twitch. No. 1,214,251; Jan. 30; v. 234; p. 1467.
- Wurts, Edward V. (See Payne and Wurts.)
- Wurts, Edward V., Pittsburgh, Pa., assignor to Steel Utilities, Incorporated. Metal-working machine. No. 1,214,983; Feb. 6; v. 235; p. 177.
- Wurts, Edward V., Pittsburgh, Pa., assignor to Steel Utilities, Incorporated. Machine for operating on structural beams. No. 1,241,259; Sept. 25; v. 242; p. 900.
- Wurts, Edward V., Pittsburgh, Pa., assignor to Steel Utilities, Incorporated. Metal-working machine. No. 1,241,266; Sept. 25; v. 242; p. 903.
- Wurts, Edward V., Pittsburgh, Pa., assignor to Steel Utilities, Incorporated. Metal-punching machine. No. 1,241,269; Sept. 25; v. 242; p. 904.
- Wurts, Edward V. and J. J. Swinbank, Pittsburgh, Pa., assignors to Steel Utilities, Incorporated. Metal-working machine. No. 1,241,257; Sept. 25; v. 242; p. 899.
- Wurts, Edward V., Pittsburgh, Pa., and L. A. Hawthorne, Newark, N. J., assignors to Steel Utilities, Incorporated. Machine for punching and cutting angle-plates. No. 1,241,260; Sept. 25; v. 242; p. 900.
- Wurzburg, Ludwig, Bellingham, Wash. Can closing and exhausting machine. No. 1,211,266; Jan. 2; v. 234; p. 307.
- Wustum, Marie S. (See Schenuit, Henry F., assignor.)
- Wuth, Berthold. (See Jagerspacher and Wuth.)
- Wuth, Berthold, and C. Jagerspacher, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Copper compounds of orthooxyazo dyestuffs and making same. No. 1,233,433; July 17; v. 240; p. 693.
- Wuth, Berthold, and C. Jagerspacher, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Copper compounds of orthooxyazo dyestuffs and making same. No. 1,234,994; July 31; v. 240; p. 1264.
- Wuth, Berthold, B. Mayer, C. Jagerspacher, and E. Anderwert, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Copper compound of orthooxyazo dyestuffs and making same. No. 1,216,760; Feb. 20; v. 235; p. 890.
- Wuthenow, William. (See Mullane, William P., assignor.)
- Wyand, William, assignor to Absecon Manufacturing Company, Absecon, N. J. Air-moistener. No. 1,228,157; May 29; v. 238; p. 1536.
- Wyatt, Clayton F., Fullerton, Cal. Ridger and blocker. No. 1,238,616; Aug. 28; v. 241; p. 1096.
- Wyatt, James R., assignor to The Ajax Metal Company, Incorporated, Philadelphia, Pa. Lateral-channel induction-furnace. No. 1,235,628; Aug. 7; v. 241; p. 32.
- Wyatt, James R., assignor to The Ajax Metal Company, Incorporated, Philadelphia, Pa. Electrical induction-furnace. No. 1,235,629; Aug. 7; v. 241; p. 33.
- Wyatt, James R., assignor to The Ajax Metal Company, Incorporated, Philadelphia, Pa. Multiphase induction-furnace. No. 1,235,630; Aug. 7; v. 241; p. 33.
- Wycislo, Van T., Chicago, Ill. Centering-gage. No. 1,249,584; Dec. 11; v. 245; p. 364.
- Wyckoff, Amos A., Santa Cruz, Cal., assignor to Coin Time Lock Co., Chicago, Ill. Lock. No. 1,237,138; Aug. 14; v. 241; p. 550.
- Wyckoff, Amos A., Santa Cruz, Cal., assignor to Coin Time Lock Co., Chicago, Ill. Lock. No. 1,239,244; Sept. 4; v. 242; p. 169.
- Wyckoff, James H. (See Knowlton, MacCorquodale, Wyckoff, Russell, and Tooker.)
- Wyckoff, Ralph W. G. (See Twining and Wyckoff.)
- Wyers, Marshall J., Phoenix, Ariz. Concrete-pipe joint. No. 1,241,323; Sept. 25; v. 242; p. 920.
- Wygant, Lewis B., Vincennes, Ind. Tie-welding baling-press. No. 1,232,643; July 10; v. 240; p. 398.
- Wygodsky, Leon, Baltimore, Md. Sprayer. No. 1,250,067; Dec. 11; v. 245; p. 504.
- Wygodsky, Leon, assignor to Baltimore Oil Engine Company, Baltimore, Md. Igniter. No. 1,237,851; Aug. 21; v. 241; p. 816.
- Wykert, Henry R., Council Bluffs, Iowa. Tent. No. 1,239,550; Sept. 11; v. 242; p. 293.
- Wykle, Henry J., Metamora, Ill. Coin-operated mechanism for dispensing liquids. No. 1,219,894; Mar. 20; v. 236; p. 764.
- Wyland, Omar P. (See Bittle, Clarence E., assignor.)
- Wyld, Robert H., Garden City, N. Y. Drying apparatus. No. 1,248,589; Dec. 4; v. 245; p. 49.
- Wylie, Joseph S., Oklahoma, Okla. Hoisting mechanism. No. 1,210,748; Jan. 2; v. 234; p. 127.
- Wylie, Thomas B., Pittsburgh, Pa. Proportional gas-meter. No. 1,226,158; May 15; v. 238; p. 797.
- Wyman, George R. (See Bird and Wyman.)
- Wyman, George R., and A. E. Currier, East Walpole, Mass. Machine for coating tubes. No. 1,216,039; Feb. 13; v. 235; p. 586.
- Wyman, George W., Wilmington, Del. Locomotive drifting device. No. 1,212,726; Jan. 16; v. 234; p. 879.
- Wyman, Jesse M., Canton, Ohio. Turning-signal for automobiles. No. 1,224,348; May 1; v. 238; p. 84.
- Wynn, D. R., *et al.* (See McCarty, Roy L., assignor.)
- Wynn, John, Jr., Canton, Ohio. Suction-machine. No. 1,234,598; July 24; v. 240; p. 1106.
- Wyse & Co. (See Zimmermann, Arthur, assignor.)
- X Ray Incubator Company. (See Kate, John H., assignor.)
- Yaackel, Ralph E., Nanticoke, Pa. Removing bushings from spindle-bearings. No. 1,222,507; Apr. 10; v. 237; p. 559.
- Yager, Harvey J., Seattle, Wash. Signal-controlling means for railway-crossings. No. 1,247,477; Nov. 20; v. 244; p. 756.
- Yaklich, Anthony J., St. Peter, Mont. Music-turner. No. 1,228,511; June 5; v. 239; p. 47.
- Yale, Rodney H. (See Plattner and Yale.)
- Yale & Towne Manufacturing Company, The. (See Augenbraun, Peter F., assignor.)
- Yale & Towne Manufacturing Company, The. (See Bock, Alfred C. O., assignor.)
- Yale & Towne Manufacturing Company, The. (See Gil-martin, Michael W., assignor.)
- Yale & Towne Manufacturing Company, The. (See Potter and Mikkelsen, assignors.)
- Yale & Towne Manufacturing Company, The. (See Schoell, Reinhold, assignor.)
- Yanamoto, Yukinobu, St. Louis, Mo. Game apparatus. No. 1,214,252; Jan. 30; v. 234; p. 1467.
- Yamanishi, Daigoro, Seattle, Wash. Necktie-holder. No. 1,242,629; Oct. 9; v. 243; p. 409.
- Yanert, William, Purgatory, Alaska. Ax or similar tool. No. 1,219,895; Mar. 20; v. 236; p. 765.
- Yanert, William, Purgatory, Alaska. Safety-signal for firearms. No. 1,219,896; Mar. 20; v. 236; p. 765.
- Yankauer, Louis, *et al.* (See Arden, Thomas R., assignor.)
- Yanochowski, George A., Chicago, Ill., and H. E. Hershey, Whitewater, Kans., assignors to Automatic Electric Company, Chicago, Ill. Automatic telephone system. No. 1,216,534; Feb. 20; v. 235; p. 812.
- Yanuss, Jacob, New York, N. Y., assignor of one-half to E. N. Roelrich, Jersey City, N. J. Trimming apparatus. No. 1,247,200; Nov. 20; v. 244; p. 677.
- Yardley, Horace R., assignor to R. Williamson & Co., Chicago, Ill. Lighting-bowl hanger. No. 1,239,657; Sept. 11; v. 242; p. 327.
- Yardley, John L. M., Pittsburgh, Pa., assignor to Westing-house Electric and Manufacturing Company. Field-coil support. No. 1,238,243; Aug. 28; v. 241; p. 975.
- Yarlan, Charles E., Gallon, Ohio. Elevated conveyer-carriage. No. 1,234,849; July 31; v. 240; p. 1216.
- Yarnall, David R., assignor to Nelson Valve Company, Chestnut Hill, Philadelphia, Pa. Non-heating valve hand-wheel. No. 1,218,032; Mar. 6; v. 236; p. 50.
- Yarnall, Harry, Roosevelt, Wash. Foot-lever controlling device. No. 1,214,107; Jan. 30; v. 234; p. 1418.

- Yaroschak, Anna E. T., Chisholm, Minn. Pot-protector. No. 1,227,356; May 22; v. 238; p. 1238.
- Yarrow, Harold E., Glasgow, Scotland. Propeller chamber or tunnel for shallow-draft vessels. No. 1,227,357; May 22; v. 238; p. 1238.
- Yarrow, Harold E., Scotstoun, Glasgow, Scotland. Construction of submarine vessels. No. 1,229,004; June 5; v. 239; p. 212.
- Yarrow, Harold E., Scotstoun, Glasgow, Scotland. Emptying and filling the ballast-tanks of submarine vessels. No. 1,239,999; Sept. 11; v. 242; p. 436.
- Yartin, Joseph, New York, N. Y. Tobacco-pipe. No. 1,240,399; Sept. 18; v. 242; p. 598.
- Yarwood, William A., La Salle, N. Y. Frame for supporting grinding-stones. No. 1,215,758; Feb. 13; v. 235; p. 483.
- Yaste, George L. (See Ritchie and Yaste.)
- Yasuda, Mataichi, Koishigawa, Tokio, Japan. Composition for polishing iron. No. 1,216,643; Feb. 20; v. 235; p. 851.
- Yater, James M., Nevada, Mo. Float-controlled valve for water systems. No. 1,226,840; May 22; v. 238; p. 1063.
- Yates, Arthur E., assignor to Crystal Springs Bleachery Co., Chickamauga, Ga. Sewing-machine. No. 1,248,236; Nov. 27; v. 244; p. 1006.
- Yates, Charles M., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Condenser. No. 1,239,067; Sept. 4; v. 242; p. 111.
- Yates, John L., New York, N. Y. Bed-spring. No. 1,228,158; May 29; v. 238; p. 1536.
- Yates, John W., New York, N. Y. Sash-pivot. No. 1,218,348; Mar. 6; v. 236; p. 160.
- Yates, John W., New York, N. Y. Fusible link. No. 1,221,497; Apr. 3; v. 237; p. 174.
- Yates, Robert, Passaic, N. J. Aeroplane-propeller. No. 1,250,263; Dec. 18; v. 245; p. 603.
- Yaw, Clio B., Arlington, N. J., assignor, by mesne assignments, to Remington Typewriter Company, Iliou, N. Y. Type-writing machine. No. 1,211,653; Jan. 9; v. 234; p. 471.
- Yaw, Clio B., Arlington, N. J., assignor to Remington Typewriter Company, Iliou, N. Y. Type-writing machine. No. 1,221,126; Apr. 3; v. 237; p. 43.
- Yaw, Clio B., Arlington, N. J., assignor to Remington Typewriter Company, Iliou, N. Y. Type-writing machine. No. 1,234,248; July 24; v. 240; p. 994.
- Yaw, Clio B., Arlington, N. J., assignor to Remington Typewriter Company, Iliou, N. Y. Cabinet. No. 1,237,009; Aug. 14; v. 241; p. 510.
- Yaw, Clio B., Arlington, N. J., assignor to Remington Typewriter Company, Iliou, N. Y. Type-writing machine. No. 1,237,439; Aug. 21; v. 241; p. 686.
- Yaw, Clio B., Arlington, N. J., assignor to Remington Typewriter Company, Iliou, N. Y. Type-writing machine. No. 1,250,408; Dec. 18; v. 245; p. 646.
- Yawman & Erbe Manufacturing Company. (See Weiss, Albert T., assignor.)
- Yere, Louis, San Francisco, Cal. Bakery appliance. No. 1,240,000; Sept. 11; v. 242; p. 436.
- Yeager, Frederick A., Johnstown, Pa. Game apparatus. No. 1,211,026; Jan. 2; v. 234; p. 225.
- Yeager, George, Bay City, Tex. Tank-furnace. No. 1,248,050; Nov. 27; v. 244; p. 952.
- Yeakey, Robert L., Cave in Rock, Ill. Stringed musical instrument. No. 1,227,358; May 22; v. 238; p. 1238.
- Yeakey, Robert L., Cave in Rock, Ill. Violin chin-rest. No. 1,227,359; May 22; v. 238; p. 1238.
- Yeaton, Alvin A., Hillsboro, N. H. Firing mechanism for firearms. No. 1,230,973; June 26; v. 239; p. 994.
- Yeider, Harry A., Grand Rapids, Mich., assignor to Michigan Hearse and Motor Company. Flower-supporting device for hearses. No. 1,251,163; Dec. 25; v. 245; p. 920.
- Yeiser, John O., Jr., Omaha, Nebr. Feed-controlling means for internal-combustion engines. No. 1,229,373; June 12; v. 239; p. 386.
- Yellin, Adolph, Buffalo, N. Y. Chalk-holder. No. 1,217,545; Feb. 27; v. 235; p. 1206.
- Yelinek, Emil E., Clutier, Iowa. Detachable clothes-rack for opera-chairs. No. 1,227,516; May 22; v. 238; p. 1290.
- Yelle, George. (See Kennedy and Yelle.)
- Yelton, Ira, and R. C. Siry, Grants Lick, Ky. Locking device for automobiles. No. 1,232,746; July 10; v. 240; p. 436.
- Yeomans, Gustavus R., Marietta, Ohio. Method of and apparatus for extracting oil from subterranean strata. No. 1,237,139; Aug. 14; v. 241; p. 551.
- Yerger, Charles W., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor-controller. No. 1,225,096; May 8; v. 238; p. 395.
- Yerger, Jennie B. (See Yerger, Lawrence, assignor.)
- Yerger, Lawrence, assignor to J. B. Yerger, Jackson, Miss. Type-writer cover. No. 1,247,057; Nov. 20; v. 244; p. 636.
- Yerkes, Wilmer H., Pittsburgh, Pa. Combined rail chair, fastener, and tie. No. 1,213,326; Jan. 23; v. 234; p. 1120.
- Yessler, J. U. (See Reed, John F., assignor.)
- Yessne, Harman, Duluth, Minn. Street-cleaning device. No. 1,224,349; May 1; v. 238; p. 85.
- Yirikian, John, New York, N. Y. Cone-shaped removable-bridge split attachment. No. 1,218,033; Mar. 6; v. 236; p. 50.
- Yochim, Nicholas L., Portland, Oreg. Stencil-indicator. No. 1,232,747; July 10; v. 240; p. 436.
- Yocum, Anthony A., North St. Paul, Minn. Speedometer-pinion bracket. No. 1,227,517; May 22; v. 238; p. 1291.
- Yocum, Lincoln A., and W. A. Lewis, Wooster, Ohio. Moistener for internal-combustion engines. No. 1,220,307; Mar. 27; v. 236; p. 948.
- Yoder, Maurice J., Hemet, Cal. Trailer. No. 1,247,201; Nov. 20; v. 244; p. 678.
- Yoder, Peter A., Washington, D. C. Syrup-evaporator. No. 1,248,237; Nov. 27; v. 244; p. 1006.
- Yoerg, Kraig J., et al. (See McCorkindale, William, assignor.)
- Yogerst, John. (See Yogerst and Wenck, assignors.)
- Yogerst, John S., and W. M. Wenck, assignors of one-half to said John S. Yogerst and one-half to J. Yogerst, St. Cloud, Minn. Sash-fastener. No. 1,226,736; May 22; v. 238; p. 1028.
- Yokel, Frank, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Instantaneous water-heater. No. 1,223,653; Apr. 24; v. 237; p. 1030.
- Yonas, Pap, Canton, Ohio. Car-door lock. No. 1,232,157; July 3; v. 240; p. 210.
- Yonge, Edward E., et al. (See Miller, Homer E., assignor.)
- Yonge, Fletcher W., Tampa, Fla. Lawn-sprinkler. No. 1,221,945; Apr. 10; v. 237; p. 362.
- Yonker, Nicholas J., Holland, Mich. Humidifying apparatus. No. 1,211,905; Jan. 9; v. 234; p. 560.
- Yore, Thomas F. (See Haven, Allison A., assignor.)
- York, Fritz E., Earlville, N. Y. Road-scraper and stone-remover. No. 1,233,008; July 10; v. 240; p. 519.
- York, Howard H., Logansport, Ind. Water-submerged air-chamber for water-pipes. No. 1,216,761; Feb. 20; v. 235; p. 890.
- York, Levi D., Portsmouth, Ohio. Shoe-last. No. 1,216,908; Feb. 20; v. 235; p. 939.
- York, Lorne M., Detroit, Mich. Auxiliary air-inlet device. No. 1,250,409; Dec. 18; v. 245; p. 646.
- Yorke, George M., assignor to The Western Union Telegraph Company, New York, N. Y. Automatic printer. No. 1,215,604; Feb. 13; v. 235; p. 430.
- Yorke, George M., New York, N. Y., and G. R. Benjamin, Jersey City, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Means for synchronizing rotary devices. No. 1,215,605; Feb. 13; v. 235; p. 430.
- Yost Electric Manufacturing Company. (See Gordon, David D., assignor.)
- Yost Electric Manufacturing Company, The. (See Witz, Robert K., assignor.)
- Yost, Frederick W., assignor to E. A. Bern, Chicago, Ill. Treating materials. No. 1,231,831; July 3; v. 240; p. 100.
- Yost, Joseph, assignor of one-half to C. A. Whipple, Ashland, Pa. Ice-cream-cone support. No. 1,213,055; Jan. 16; v. 234; p. 991.
- Yost, Winfield H., Montreal, Quebec, Canada. Shaft-rotating means. No. 1,239,551; Sept. 11; v. 242; p. 293.
- Yost, Winfield H., Montreal, Quebec, Canada, assignor to Rodger Ballast Car Company, Chicago, Ill. Car. No. 1,225,302; May 8; v. 238; p. 465.
- Youlten, William, Hove, England. Sighting of small-arms. No. 1,226,935; May 22; v. 238; p. 1095.
- Youlten, William, Hove, England. Sighting of guns. No. 1,226,936; May 22; v. 238; p. 1095.
- Youmans, Charles E., Yonkers, N. Y. Attachment-plug for connecting dry cells to incandescent-lamp holders. No. 1,248,978; Dec. 4; v. 245; p. 160.
- Youmans, George P., Galesburg, assignor to Kalamazoo Tank and Silo Co., Kalamazoo, Mich. Joint. No. 1,221,946; Apr. 10; v. 237; p. 362.
- Young, Adolph F. (See Vodicka and Young.)
- Young, Adolph F., assignor to Eureka Carbureter Company, Charlevoix, Mich. Carbureter. No. 1,247,478; Nov. 20; v. 244; p. 756.
- Young, Albert F., Brooklyn, N. Y. Suspending device for garments. No. 1,218,153; Mar. 6; v. 236; p. 93.
- Young, August H. and J. S., Jersey City, N. J. Sand-distributing device. No. 1,234,436; July 24; v. 240; p. 1056.
- Young, Charles D., Altoona, Pa. Superheater. No. 1,224,990; May 8; v. 238; p. 359.
- Young, Charles D., Altoona, Pa. Superheater. No. 1,224,991; May 8; v. 238; p. 359.
- Young, Charles D., Altoona, Pa. Tie-plate. No. 1,242,299; Oct. 9; v. 243; p. 305.
- Young, Charles D., Altoona, Pa. Tie-plate for railways. No. 1,242,300; Oct. 9; v. 243; p. 305.
- Young, Charles M. (See Burks and Young.)
- Young, Clarence H., Dorchester, Mass. Couch-bed. No. 1,247,777; Nov. 27; v. 244; p. 878.
- Young, Cyrus H., Nutley, N. J. Inspection-opening for mattresses, &c. No. 1,212,432; Jan. 16; v. 234; p. 773.
- Young, De Nard W. B., Narberth, Pa., assignor to Soap Works Equipment Company. Apparatus for rapidly aging solidified plastic articles. No. 1,246,515; Nov. 13; v. 244; p. 441.

Alphabetical list of patentees—Continued.

- Young, De Nard W. B., Narberth, Pa., assignor to Soap Works Equipment Company. Rapidly aging solidified plastic articles. No. 1,250,540; Dec. 18; v. 245; p. 685.
- Young, Edmund T., Toronto, Ontario, Canada. Arithmetical education apparatus. No. 1,248,238; Nov. 27; v. 244; p. 1006.
- Young, Edward, Jeffersonville, assignor of one-half to A. W. Duff, Washington Court-House, Ohio. Oil-can. No. 1,214,740; Feb. 6; v. 235; p. 91.
- Young, Edward B., assignor to A. R. Bradshaw, Okmulgee, Okla. Window-pulley. No. 1,215,231; Feb. 6; v. 235; p. 261.
- Young, Edward J., St. Louis, Mo. Shoe-shining device. No. 1,250,069; Dec. 11; v. 245; p. 505.
- Young, Elmer L., assignor to Throt-A-Lite Company, Atlanta, Ga. Light-projector and tongue-depressor. No. 1,244,819; Oct. 30; v. 243; p. 1187.
- Young, Fay H., and G. A. Lewis, Rockford, Ill. Clothes-washing apparatus. No. 1,220,308; Mar. 27; v. 236; p. 949.
- Young, Frederick A. (See Vest, Clarence D., assignor.)
- Young, Frederick V., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. No. 1,248,979; Dec. 4; v. 245; p. 160.
- Young, Fredric S., Los Angeles, Cal. Water-gage for boilers. No. 1,229,848; June 12; v. 239; p. 546.
- Young, George W., et al. (See Norman, Frank, assignor.)
- Young, Harry B., Cincinnati, Ohio. Sharpener for razor-blades. No. 1,221,263; Apr. 3; v. 237; p. 92.
- Young, Harry F. (See Hopper, Stephens, and Young.)
- Young, Harry R. (See Reilly, Edward B., assignor.)
- Young, Harry W., Chicago, Ill. Electrical fuse. No. 1,228,354; May 29; v. 238; p. 1601.
- Young, Harry W., Chicago, Ill. Electrical fuse. No. 1,235,178; July 31; v. 240; p. 1319.
- Young-Hartsell Mills Company. (See Hartsell and West, assignors.)
- Young, Henry A., assignor of one-half to P. H. Brotman, Winnipeg, Manitoba, Canada. Door-latch. No. 1,242,301; Oct. 9; v. 243; p. 305.
- Young, Henry S., Brooklyn, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. No. 1,222,583; Apr. 10; v. 237; p. 587.
- Young, Homer J., trustee. (See Rosewarne, Richard E., assignor.)
- Young, Hugo H., Mansfield, Ohio. Side car for motorcycles. No. 1,235,177; July 31; v. 240; p. 1318.
- Young, Jackson B., Oakland, Cal. Machine for making hollow ware from pulp. No. 1,244,820; Oct. 30; v. 243; p. 1187.
- Young, Jacob H., Chicago, Ill. Accelerator-controlling mechanism. No. 1,214,866; Feb. 6; v. 235; p. 132.
- Young, James S. (See Young, August H. and J. S.)
- Young, John, New Westminster, British Columbia, Canada. Crude-oil burner. No. 1,227,867; May 29; v. 238; p. 1439.
- Young, John, Chillicothe, Ohio. Press. No. 1,246,371; Nov. 13; v. 244; p. 398.
- Young, John H., Randolph, assignor to Borden's Condensed Milk Company, New York, N. Y. Sheet-feeding machine. No. 1,218,034; Mar. 6; v. 236; p. 50.
- Young, John L. (See McIntyre, Andrew A., assignor.)
- Young, John M., New York, N. Y. Shell-fuse. No. 1,250,410; Dec. 18; v. 245; p. 646.
- Young, John M., assignor to American Can Company, San Francisco, Cal. Operating on can-bodies. No. 1,225,200; May 8; v. 238; p. 429.
- Young, Jonathan F., Claremont, Cal. Cotton-chopper. No. 1,235,512; July 31; v. 240; p. 1419.
- Young, L. A. (See Young, William W., assignor.)
- Young, Laurence C., Montgomery, assignor of one-half to M. E. Pratt, Prattville, Ala. Machine for hulling peas, beans, and the like. No. 1,240,912; Sept. 25; v. 242; p. 790.
- Young, Leland G., Muscatine, Iowa. Vermin-trap. No. 1,223,016; Apr. 17; v. 237; p. 777.
- Young, Leonard A. (See Mahoney, Thomas, assignor.)
- Young, Leonard A., Highland Park, Mich. Seat-spring. No. 1,211,267; Jan. 2; v. 234; p. 308.
- Young, Leonard A., Highland Park, Mich. Seat-back spring. No. 1,218,234; Mar. 6; v. 236; p. 121.
- Young, Leonard A., Highland Park, Mich. Rim-strip. No. 1,226,737; May 22; v. 238; p. 1028.
- Young, Leonard A., Highland Park, Mich. Spring construction. No. 1,230,260; June 19; v. 239; p. 718.
- Young, Leonard A., Highland Park, Mich. Spring construction. No. 1,237,440; Aug. 21; v. 241; p. 686.
- Young, Leonard A., Detroit, Mich. Spring construction. No. 1,231,832; July 3; v. 240; p. 101.
- Young, Lester M., International Falls, Minn. Button-fastener. No. 1,245,852; Nov. 6; v. 244; p. 216.
- Young, Millard S., Detroit, Mich. Push-button for steering-posts. No. 1,247,357; Nov. 20; v. 244; p. 722.
- Young, Otis W., assignor to Pyle-National Electric Headlight Company, Chicago, Ill. Locomotive valve-gear. No. 1,221,947; Apr. 10; v. 237; p. 363.
- Young, Otis W., assignor to Pyle-National Electric Headlight Company, Chicago, Ill. Piston-valve. No. 1,223,336; Apr. 17; v. 237; p. 833.
- Young, Otis W., assignor to Pyle-National Electric Headlight Company, Chicago, Ill. Throttle-valve-control mechanism. No. 1,249,877; Dec. 11; v. 245; p. 451.
- Young, Philip E., Fairhaven, Mass. Percentage-balance. No. 1,243,790; Oct. 23; v. 243; p. 838.
- Young, Ransome B., Hazleton, Pa. Plumb-level. No. 1,227,360; May 22; v. 238; p. 1238.
- Young, Robert L. (See Vance, William G., assignor.)
- Young, Roy A., Chester, Vt. Dirigible headlight. No. 1,231,980; July 3; v. 240; p. 148.
- Young, Samuel D., trustee. (See Smith, Oscar L., assignor.)
- Young, Samuel D., assignor to Grand Rapids Show Case Company, Grand Rapids, Mich. Sectional furniture construction. No. 1,221,943; Apr. 10; v. 237; p. 363.
- Young, Samuel W., New York, N. Y. Mailing-card. No. 1,214,867; Feb. 6; v. 235; p. 133.
- Young, Stephen L. (See Carhart and Young.)
- Young, Valner W., Abilene, Tex. Fruit-picker. No. 1,225,097; May 8; v. 238; p. 395.
- Young, Wayne H., Lowell, Mich. Tobacco-drier. No. 1,221,949; Apr. 10; v. 237; p. 364.
- Young, William H., Newton, Kans. Plow. No. 1,244,274; Oct. 23; v. 243; p. 984.
- Young, William L., Jamaica Plain, Mass. Blacking-dauber. No. 1,226,432; May 15; v. 238; p. 891.
- Young, William R., assignor to The Bryant Electric Company, Bridgeport, Conn. Current-tap. No. 1,226,433; May 15; v. 238; p. 891.
- Young, William T., and J. Chapman, Allensville, Ky. Sterilizing soil for tobacco-plant beds, &c. No. 1,222,263; Apr. 10; v. 237; p. 470.
- Young, William W., assignor to L. A. Young, Agawam, Mass. Acoustic diaphragm. No. 1,224,102; Apr. 24; v. 237; p. 1184.
- Youngberg, Alfred F., et al. (See Bergren, John A., assignor.)
- Youngblood, Joseph C., Atwood, Kans. Lift-deck for freight-cars. No. 1,229,374; June 12; v. 239; p. 387.
- Younger, Thomas W., and O. B. Schoenky, Sacramento, Cal., assignors to H. Forsyth, Chicago, Ill. Metal diaphragm for car-vestibules. No. 1,211,654; Jan. 9; v. 234; p. 471.
- Youngman, Charles A., Louisville, Ky. Bottle-filling machine. No. 1,211,027; Jan. 2; v. 234; p. 226.
- Youngman, Robert H., Pittsburgh, Pa. Refractory brick. No. 1,231,684; July 3; v. 240; p. 51.
- Youngquist, Henry, Manchester, N. H., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Shuttle-threading mechanism for automatic filling-replenishing looms. No. 1,214,868; Feb. 6; v. 235; p. 133.
- Youngquist, Henry W., Manchester, N. H., assignor, by mesne assignments, to Draper Corporation, Hopedale, Mass. Weft-fork mechanism for looms. No. 1,223,548; Apr. 24; v. 237; p. 993.
- Youngren, Alfred, and H. L. Lind, Barnum, Minn. Potato-planter. No. 1,218,919; Mar. 13; v. 236; p. 399.
- Youngren, Carl O., Downing, Wis. Folding umbrella. No. 1,240,001; Sept. 11; v. 242; p. 436.
- Youngren, Oscar A., New York, N. Y., assignor to National Life Preserver Company, Sheridan, Wyo. Closure for life-saving suits. No. 1,241,598; Oct. 2; v. 243; p. 43.
- Youngren, Oscar A., assignor to National Life Preserver Company, Sheridan, Wyo. Life-preserver. No. 1,242,752; Oct. 9; v. 243; p. 448.
- Youngs, Edwin J., assignor to The Taylor Basket & Machine Company, Erie, Pa. Basket-machine. No. 1,248,590; Dec. 4; v. 245; p. 49.
- Youngs, Fred M. (See Cochran and Youngs.)
- Youngs, Harry F., Santa Cruz, Cal. Coaster-brake. No. 1,227,868; May 29; v. 238; p. 1439.
- Youngs, Joshua T., Bay Shore, N. Y. Flat-iron cleaning, waxing, and polishing pad. No. 1,232,158; July 3; v. 240; p. 211.
- Youngstown Sheet and Tube Company, The. (See Mirfield and Nullmeyer, assignors.)
- Youngstrom, Oscar P., Fredonia, Kans. Automatic weighing-scale and register. No. 1,250,750; Dec. 18; v. 245; p. 747.
- Younie, Lewis E., Portland, Oreg. Pulley. No. 1,213,570; Jan. 23; v. 234; p. 1205.
- Younie, Lewis E., Portland, Oreg. Friction-clutch mechanism. No. 1,221,127; Apr. 3; v. 237; p. 43.
- Younkman, George W., Brooklyn, N. Y. Bearing for conveyers. No. 1,243,375; Oct. 16; v. 243; p. 676.
- Yount, Clarence E., Hawarden, Saskatchewan, Canada. Needle. No. 1,235,751; Aug. 7; v. 241; p. 72.
- Yount, Horace J., Indianapolis, Ind. Scored-cylinder repair. No. 1,217,546; Feb. 27; v. 235; p. 1207.
- Yuba Manufacturing Company. (See Wickersham, Elmer E., assignor.)
- Yurov, Andrew, New York, N. Y. Electric-railway system. No. 1,219,524; Mar. 20; v. 236; p. 636.
- Yuyama, Shigezo, Brooklyn, N. Y. Incandescent electric lamp. No. 1,215,894; Feb. 13; v. 235; p. 532.
- Zaar, Ludwig W., Chicago, Ill. Antifriction-bearing. No. 1,222,059; Apr. 10; v. 237; p. 400.
- Zaar, Ludwig W., Chicago, Ill. Antifriction-bearing. No. 1,243,028; Oct. 16; v. 243; p. 571.
- Zabel, Bruno, Edgewood borough, Pa. Automobile warning device. No. 1,236,526; Aug. 14; v. 241; p. 352.
- Zabel, William, Edgewood borough, Pa. Signal. No. 1,234,249; July 24; v. 240; p. 994.
- Zabriskie, Ann E., New York, N. Y. Hose-supporter. No. 1,220,925; Mar. 27; v. 236; p. 1159.

- Zabriskie, Charles C., Detroit, Mich. Apparatus for facilitating the interior coating of shells. No. 1,231,685; July 3; v. 240; p. 51.
- Zabriskie, Edgar, *et al.* (See Rosentreter, Albert J., assignor.)
- Zacharias, Edwin H., Reading, Pa. Garment-seam-pressing iron. No. 1,239,552; Sept. 11; v. 242; p. 294.
- Zacharias, Leonard L., Wichita, Kans. Automobile-signal. No. 1,245,853; Nov. 6; v. 244; p. 216.
- Zachmann, William H., Woodhaven, assignor to National Carbon Company, Long Island City, N. Y. Portable electric light. No. 1,241,071; Sept. 25; v. 242; p. 839.
- Zachow, William, assignor to J. I. Case Threshing Machine Company, Racine, Wis. Baling-press. No. 1,213,993; Jan. 30; v. 234; p. 1378.
- Zack, Karl, Denver, Colo. Ring. No. 1,250,070; Dec. 11; v. 245; p. 505.
- Zadina, Anton, Ceresco, Nebr. Horseshoe. No. 1,211,268; Jan. 2; v. 234; p. 308.
- Zagelmeyer, Frank, Bay City, Mich. Cement-block mold. No. 1,218,737; Mar. 13; v. 236; p. 333.
- Zagelmeyer, Frank, Bay City, Mich. Reinforced core for cement-block molds. No. 1,244,937; Oct. 30; v. 243; p. 1223.
- Zagmester, Frank, La Salle, N. Y. Ship's table. No. 1,244,158; Oct. 23; v. 243; p. 948.
- Zahm, Albert F., Buffalo, N. Y. Aileron. No. 1,223,017; Apr. 17; v. 237; p. 777.
- Zahm, Albert F., Buffalo, N. Y., assignor to The Curtiss Motor Co. Solidifying and toughening the hub portion of aerial propellers and the like. No. 1,246,029; Nov. 6; v. 244; p. 264.
- Zahm, Edward, assignor to Zahm Manufacturing Company, Buffalo, N. Y. Testing filter-bodies. No. 1,218,154; Mar. 6; v. 236; p. 93.
- Zahm, Edward, assignor to Zahm Manufacturing Company, Buffalo, N. Y. Filter. No. 1,218,738; Mar. 13; v. 236; p. 333.
- Zahm Manufacturing Company. (See Zahm, Edward, assignor.)
- Zahner, Edward J., Canton, Ohio, and S. W. Smith, Oklahoma, Okla. Partition construction. No. 1,219,208; Mar. 13; v. 236; p. 496.
- Zahuranc, John, Newcomer, Pa. Rail-joint. No. 1,229,005; June 5; v. 239; p. 212.
- Zak, John F., Chicago, Ill. Button. No. 1,216,535; Feb. 20; v. 235; p. 812.
- Zaleski, Frank, Somerville, assignor to Reece Shoe Machinery Company, Boston, Mass. Making composite insoles. No. 1,211,520; Jan. 9; v. 234; p. 425.
- Zaleski, Frank, Somerville, assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole-sewing machine. No. 1,214,108; Jan. 30; v. 234; p. 1418.
- Zaleski, Frank, Somerville, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing-machine. No. 1,214,869; Feb. 6; v. 235; p. 134.
- Zaleski, Frank, Somerville, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing-machine. No. 1,216,536; Feb. 20; v. 235; p. 813.
- Zaleski, Frank, Somerville, assignor to The Reece Button Hole Machine Company, Boston, Mass. Thread cutter and clamp for sewing-machines. No. 1,216,537; Feb. 20; v. 235; p. 813.
- Zaleski, Frank, West Roxbury, assignor to Reece Shoe Machinery Company, Boston, Mass. Machine for making composite insoles. No. 1,227,729; May 29; v. 238; p. 1392.
- Zaleski, Joseph P. and S. J., Chicago, Ill. Furniture for domestic use. No. 1,244,821; Oct. 30; v. 243; p. 1187.
- Zaleski, Stanislaw J. (See Zaleski, Joseph P. and S. J.)
- Zambella, Andrea, Boston, Mass. Safety-lock. No. 1,236,810; Aug. 14; v. 241; p. 447.
- Zane, Edmund L., U. S. Army. Pulling attachment for vehicles. No. 1,219,209; Mar. 13; v. 236; p. 496.
- Zang, Joseph E. (See Klorer, Charles P., assignor.)
- Zanone, Richard J., New Albany, Ind., assignor to The Automatic Package Scale Company, Louisville, Ky. Automatic scale. No. 1,243,791; Oct. 23; v. 243; p. 838.
- Zanoni, Ernest, Silverton, Colo. Combination match-box. No. 1,237,140; Aug. 14; v. 241; p. 551.
- Zappi, Pasquale, assignor of one-fourth to J. J. Spotts, Youngstown, Ohio. Fireproof composition. No. 1,211,028; Jan. 2; v. 234; p. 226.
- Zaradzki, Michal, Carnegie, Pa. Life-boat. No. 1,238,244; Aug. 28; v. 241; p. 976.
- Zaradzki, Michal, Carnegie, Pa. Life-boat. No. 1,238,245; Aug. 28; v. 241; p. 976.
- Zarling, William, assignor of one-half to A. A. Plautz, Milwaukee, Wis. Trap. No. 1,245,138; Oct. 30; v. 243; p. 1283.
- Zarnecke, Wallock V., Detroit, Mich. Rail-joint. No. 1,250,112; Dec. 11; v. 245; p. 517.
- Zarth, Anna, administratrix. (See Zarth, Otto.)
- Zarth, Charles E., Aurora, Ill. Wheel-hub. No. 1,216,040; Feb. 13; v. 235; p. 586.
- Zarth, Otto, deceased, Aurora, Ill.; A. Zarth, administratrix. Nipple-wrench. No. 1,224,875; May 1; v. 238; p. 268.
- Zatzkin, Jack, Jersey City, N. J. Bed-frame. No. 1,242,509; Oct. 9; v. 243; p. 370.
- Zawacki, Jan, Bridgeport, Conn. Armored vehicle. No. 1,236,811; Aug. 14; v. 241; p. 447.
- Zawada, Mike, Cleveland, Ohio. Life-saving vest. No. 1,222,508; Apr. 10; v. 237; p. 560.
- Zawadzki, Anthony K., San Francisco, Cal. Swimming apparatus. No. 1,221,950; Apr. 10; v. 237; p. 364.
- Zawels, Eduardo and E., Buenos Aires, Argentina. Pneumatic atomizer. No. 1,246,213; Nov. 13; v. 244; p. 350.
- Zawels, Estanislao. (See Zawels, Eduardo and E.)
- Zbikowski, Frank, Bessemer, Pa. Milk-box. No. 1,239,330; Sept. 4; v. 242; p. 195.
- Ze-Litt Manufacturing Company. (See Littman, Zeno, assignor.)
- Zee Socket & Mfg. Co., The. (See Both, Tonjes A. C., assignor.)
- Zehner, Alfred G., *et al.* (See De Bats, Jean H. L., assignor.)
- Zehr, Christian, Berne, Ind. Coupling for pump-rods. No. 1,221,645; Apr. 3; v. 237; p. 223.
- Zeidler, Eduard, Guntramsdorf, Austria. Manufacturing fancy webs having raised designs. No. 1,223,018; Apr. 17; v. 237; p. 777.
- Zeifang, John F. (See Slingerland, Zeifang, and Goffin.)
- Zeiger, Lee. (See Lusk and Zeiger.)
- Zeiger, Lee, Melbourne, Iowa. Broom-brace. No. 1,216,909; Feb. 20; v. 235; p. 939.
- Zeisel, Adolph, Bel Air, Md. Indicator system. No. 1,213,723; Jan. 23; v. 234; p. 1256.
- Zeisel, Adolph, assignor to Zeisel Electric Co., Bel Air, Md. Lamp-changing device. No. 1,223,921; Apr. 24; v. 237; p. 1123.
- Zeisel, Adolph, assignor to Zeisel Electric Co., Bel Air, Md. Controller for indicating systems. No. 1,224,827; May 1; v. 238; p. 252.
- Zeisel Electric Co. (See Zeisel, Adolph, assignor.)
- Zeiser, John R., Berwick, Pa. Mold for making concrete curbs. No. 1,214,870; Feb. 6; v. 235; p. 134.
- Zeiss, Firm of Carl. (See Bauerfeld, Walther, assignor.)
- Zeiss, Firm of Carl. (See Lehmann, Johannes, assignor.)
- Zeit, John J., assignor to The American Folding Machine Company, Warren, Ohio. Grab-type rectifier. No. 1,229,849; June 12; v. 239; p. 546.
- Zelewski, Roman V., Englis, Belgium. Zinc-extracting furnace with vertical retorts. No. 1,250,071; Dec. 11; v. 245; p. 505.
- Zeleznik, Johan, Mulberry, Kans. Stretcher. No. 1,246,516; Nov. 13; v. 244; p. 442.
- Zell, Robert R., Birmingham, assignor to Siliconite Refractories Company, Irondale, Ala. Composition for making fire-brick and furnace linings. No. 1,244,275; Oct. 23; v. 243; p. 984.
- Zelle, William C., assignor to Plantation Equipment Company, St. Louis, Mo. Tilling-machine. No. 1,230,261; June 19; v. 239; p. 718.
- Zeller, August, New York, and W. J. Zeller, Winfield, N. Y. Clothes-line support. No. 1,241,892; Oct. 2; v. 243; p. 136.
- Zeller, William J. (See Zeller, August and W. J.)
- Zemke, Henry W., Milwaukee, Wis. Combined safety letter-sheet and envelop. No. 1,216,762; Feb. 20; v. 235; p. 891.
- Zemojtel, Fabian, assignor of one-third to J. Sobolewski, Philadelphia, Pa. Launching device for aeroplanes. No. 1,240,400; Sept. 18; v. 242; p. 598.
- Zemojtel, Fabian A., assignor of one-third to J. Sobolewski, Philadelphia, Pa. Ink-well. No. 1,246,214; Nov. 13; v. 244; p. 350.
- Zepp, Maynard E., Washington, D. C. Package-tying device. No. 1,247,479; Nov. 20; v. 244; p. 757.
- Zepp, Maynard E., Washington, D. C. Package-tying device. No. 1,249,585; Dec. 11; v. 245; p. 364.
- Zerk Manufacturing Company, The. (See Zerk, Oscar, assignor.)
- Zerk, Oscar, Cleveland, Ohio, assignor, by mesne assignments, to G. W. Bowen, Auburn, N. Y. Priming-cup. No. 1,212,727; Jan. 16; v. 234; p. 880.
- Zerk, Oscar, Cleveland, Ohio, assignor, by mesne assignments, to G. W. Bowen, Auburn, N. Y. Self-lubricating bolt. No. 1,217,259; Feb. 27; v. 235; p. 1103.
- Zerk, Oscar, Cleveland, Ohio, assignor, by mesne assignments, to G. W. Bowen, Auburn, N. Y. Grease-cup. No. 1,222,509; Apr. 10; v. 237; p. 560.
- Zerk, Oscar, Cleveland, Ohio, assignor, by mesne assignments, to G. W. Bowen, Auburn, N. Y. Grease-cup. No. 1,223,019; Apr. 17; v. 237; p. 777.
- Zerk, Oscar, Cleveland, Ohio, assignor, by mesne assignments, to G. W. Bowen, Auburn, N. Y. Making grease-cup bodies. No. 1,225,915; May 15; v. 238; p. 714.
- Zerk, Oscar, Cleveland, Ohio, assignor, by mesne assignments, to G. W. Bowen, Auburn, N. Y. Grease-cup. No. 1,227,730; May 29; v. 238; p. 1392.
- Zerk, Oscar, Cleveland, Ohio, assignor, by mesne assignments, to G. W. Bowen, Auburn, N. Y. Grease-cup. No. 1,227,731; May 29; v. 238; p. 1392.
- Zerk, Oscar, Cleveland, Ohio, assignor, by mesne assignments, to G. W. Bowen, Auburn, N. Y. Winged cap. No. 1,243,029; Oct. 16; v. 243; p. 572.
- Zerk, Oscar, Cleveland, Ohio, assignor, by mesne assignments, to G. W. Bowen, Auburn, N. Y. Oiler. No. 1,246,215; Nov. 13; v. 244; p. 350.
- Zerk, Oscar, assignor to The Zerk Manufacturing Company, Cleveland, Ohio. Making winged caps. No. 1,233,285; July 10; v. 240; p. 607.

Alphabetical list of patentees—Continued.

- Zerse, Otto G., Mount Vernon, Ind. Combination desk and kitchen-cabinet. No. 1,221,498; Apr. 3; v. 237; p. 175.
- Zerwer, John A., Alma, Tex. Tie-up stand for mail. No. 1,229,006; June 5; v. 239; p. 213.
- Zesbaugh, Lawrence G., Minneapolis, Minn. Machine for indicating and recording elapsed time. No. 1,231,108; June 26; v. 239; p. 1040.
- Zetosch, Henry, New York, N. Y. Combined undergarment and jock-strap. No. 1,229,850; June 12; v. 239; p. 546.
- Zetzman, Walter, Cornelius, Oreg. Hoisting and conveying apparatus. No. 1,248,980; Dec. 4; v. 245; p. 160.
- Ziebarth, William C., Sioux Falls, S. D. Vending-machine for newspapers and similar articles. No. 1,240,526; Sept. 18; v. 242; p. 637.
- Ziege, Max E., Luning, Nev. Spring paper-holder. No. 1,248,981; Dec. 4; v. 245; p. 161.
- Ziegler, Charles W., *et al.* (See Geisendorff, Frederick M., assignor.)
- Ziegler, Louis, Lyndhurst, N. J., assignor to The National Fireworks Distributing Company, Boston, Mass. Toy pistol. No. 1,232,469; July 3; v. 240; p. 308.
- Ziebler, Bernard H., Dayton, Ohio. Controlling device for locks. No. 1,245,302; Nov. 6; v. 244; p. 48.
- Ziebler, Bernard H., and J. C. Dawley, Dayton, Ohio; said Dawley assignor to said Ziebler. Recording-lock. No. 1,212,598; Jan. 16; v. 234; p. 832.
- Ziebler, Bernard H., and D. R. Rowe, Dayton, Ohio; said Rowe assignor to said Ziebler. Lock. No. 1,212,599; Jan. 16; v. 234; p. 833.
- Ziehlike, Max, Jefferson, Iowa. Automobile ambulance. No. 1,210,749; Jan. 2; v. 234; p. 128.
- Ziener, Fredrick, Freeport, N. Y. Pencil attachment. No. 1,224,992; May 8; v. 238; p. 359.
- Ziener, Fredrick, Freeport, N. Y. Cue-tip. No. 1,225,201; May 8; v. 238; p. 429.
- Ziener, Adolph O., New York, N. Y. Fountain-display. No. 1,218,969; Mar. 13; v. 236; p. 415.
- Ziener, Adolph O., New York, N. Y., assignor to Display Fountain Manufacturing Company, Inc. Fountain. No. 1,243,126; Oct. 16; v. 243; p. 601.
- Zierold, Magdalena, Wilkinsburg, Pa. Hat-fastener. No. 1,250,264; Dec. 18; v. 245; p. 603.
- Zies, Louise F., Baltimore, Md. Nightgown. No. 1,233,156; July 10; v. 240; p. 567.
- Ziesing, Richard, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Furnace. No. 1,237,141; Aug. 14; v. 241; p. 551.
- Zifferer, Lothar R., Ridgewood, N. J. Expansion device. No. 1,224,698; May 1; v. 238; p. 207.
- Zifferer, Lothar R., Ridgewood, N. J. Toggle-bolt. No. 1,228,512; June 5; v. 239; p. 47.
- Zifferer, Lothar R., Ridgewood, N. J. Receptacle. No. 1,247,058; Nov. 20; v. 244; p. 636.
- Zigler, Charles J., and W. P. Holden, Chicago, Ill. Lumbar-tester. No. 1,223,132; Apr. 17; v. 237; p. 817.
- Zika, Louis J., Cedar Rapids, Mich. Street-sign support. No. 1,238,976; Sept. 4; v. 242; p. 83.
- Zilinsky, Walent G. (See Glista and Zilinsky.)
- Zilk, Joseph E., Sharpsburg, Pa. Making fertilizer. No. 1,236,812; Aug. 14; v. 241; p. 448.
- Zilk, Joseph E., assignor to Odorless Fertilizer Manufacturing Company, Pittsburgh, Pa. Making fertilizer. No. 1,247,059; Nov. 20; v. 244; p. 637.
- Zilk, Joseph E., assignor to Odorless Fertilizer Manufacturing Company, Pittsburgh, Pa. Producing ammonia and potassium-containing material from tobacco waste. No. 1,247,060; Nov. 20; v. 244; p. 637.
- Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Door-operating mechanism. No. 1,236,527; Aug. 14; v. 241; p. 353.
- Zimmer, Arthur G., East Orange, N. J. Manufacturing imitation gold-leaf. No. 1,234,250; July 24; v. 240; p. 994.
- Zimmer, Carl L. V., Berlin-Wilmersdorf, Germany. Producing synthetic asphalt limestone. No. 1,237,852; Aug. 21; v. 241; p. 816.
- Zimmer, Conrad W., Buffalo, N. Y. Brake. No. 1,217,260; Feb. 27; v. 235; p. 1104.
- Zimmer, Ernest L. B., assignor, by mesne assignments, to Baker-Hansen Manufacturing Co., Oakland, Cal. Combined vacuum cleaner and blower. No. 1,234,850; July 31; v. 240; p. 1216.
- Zimmer, Harry R., Los Angeles, Cal. Centrifugal separator and amalgamator. No. 1,220,051; Mar. 20; v. 236; p. 819.
- Zimmer, Paul H., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electric switch. No. 1,221,499; Apr. 3; v. 237; p. 175.
- Zimmer, Richard R. (See Crane and Zimmer.)
- Zimmerman, Arthur R., Shamokin, Pa. Sled-runner for wheeled vehicles. No. 1,215,091; Feb. 6; v. 235; p. 214.
- Zimmerman, Charles F., Jersey City, N. J. Shears. No. 1,214,635; Feb. 6; v. 235; p. 53.
- Zimmerman, Clarence C. (See Luthman, Charles H., assignor.)
- Zimmerman, Daniel, Magley, Ind. Acetylene-gas generator. No. 1,244,399; Oct. 23; v. 243; p. 1021.
- Zimmerman, Emil, Butternut, Wis. Stovepipe spark-arrester. No. 1,245,303; Nov. 6; v. 244; p. 48.
- Zimmerman, Fred H. (See Giebel and Zimmerman.)
- Zimmerman, Henry, Rouleau, Saskatchewan, Canada. Stirrup. No. 1,219,525; Mar. 20; v. 236; p. 636.
- Zimmerman, James B. (See Zimmerman, Margaret P. and J. B.)
- Zimmerman, James G., Milwaukee, Wis., assignor, by mesne assignments, to Allis-Chalmers Manufacturing Company. Circuit-protecting apparatus. No. 1,223,549; Apr. 24; v. 237; p. 993.
- Zimmerman, James G., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Automatic synchronizer. No. 1,231,109; June 26; v. 239; p. 1041.
- Zimmerman, John B., Buffalo, assignor to Invincible Grain Cleaner Co., Silver Creek, N. Y. Corn-husking machine. No. 1,248,591; Dec. 4; v. 245; p. 49.
- Zimmerman, John E., Akron, Ohio. Machine for painting tire-casings. No. 1,218,155; Mar. 6; v. 236; p. 93.
- Zimmerman, Joseph. (See Scheffer and Zimmerman.)
- Zimmerman, Margaret P. and J. B., Pittsburgh, Pa. Thrust-bearing. No. 1,249,707; Dec. 11; v. 245; p. 400.
- Zimmerman, Margaret P. and J. B., Koppel, Pa.; said J. B. Zimmerman assignor to said Margaret P. Zimmerman. Sewing-table. No. 1,249,706; Dec. 11; v. 245; p. 400.
- Zimmerman, Robert, Dorchester, Mass. Scrubbing-machine. No. 1,244,400; Oct. 23; v. 243; p. 1021.
- Zimmerman, Walter H., Chicago, Ill., assignor, by mesne assignments, to Auto Tractor Company, Niles, Mich. Automobile tractor. No. 1,234,437; July 24; v. 240; p. 1056.
- Zimmerman, Walter H., Chicago, Ill., assignor, by mesne assignments, to Auto Tractor Company, Niles, Mich. Automobile-tractor. No. 1,236,813; Aug. 14; v. 241; p. 448.
- Zimmerman, William C. F., Lone Tree, Iowa. Cable take-up. No. 1,245,854; Nov. 6; v. 244; p. 216.
- Zimmermann, Arthur, assignor to Wyse & Co., Inc., New York, N. Y. Apron. No. 1,217,855; Feb. 27; v. 235; p. 1311.
- Zimmermann, Benjamin D. (See Lederer, Friedrich, assignor.)
- Zimmermann, George, San Francisco, Cal. Means for identifying vehicles. No. 1,247,061; Nov. 20; v. 244; p. 637.
- Zimmermann, John, Brooklyn, N. Y. Clothes-pounder. No. 1,211,521; Jan. 9; v. 234; p. 425.
- Zimmermann, Kurt, Elberfeld, Germany, assignor to Synthetic Patents Co., Inc., New York, N. Y. Making ethyl triacetyl-gallate. No. 1,222,345; Apr. 10; v. 237; p. 502.
- Zimmermann, William F., assignor to Gould & Eberhardt, Newark, N. J. Gear-generating machine. No. 1,222,709; Apr. 17; v. 237; p. 672.
- Zimmermann, William H., Jr., Richmond, Va. Convertible table. No. 1,221,646; Apr. 3; v. 237; p. 223.
- Zimmern, Joseph, New York, N. Y. Necktie. No. 1,243,792; Oct. 23; v. 243; p. 838.
- Zimtbody, Arthur, Brooklyn, N. Y. Window-sill provision-box. No. 1,248,982; Dec. 4; v. 245; p. 161.
- Zink, John H. (See De Meritt and Zink.)
- Zinkeisen, Oscar T., assignor to Fore Chemical Works Inc., New York, N. Y. Purifying crude acetate of lime. No. 1,213,724; Jan. 23; v. 234; p. 1256.
- Zinn, Jacob H., Indianapolis, Ind. Sewer-structure invert and block. No. 1,238,475; Aug. 28; v. 241; p. 1051.
- Zinn, William H., Anniston, Ala. Knockdown stroboscope. No. 1,214,636; Feb. 6; v. 235; p. 54.
- Zinsli, Gallus, Wibaux, Mont. Resilient wheel. No. 1,244,822; Oct. 30; v. 243; p. 1188.
- Zinsmaster, Andrew F. (See Cope and Zinsmaster.)
- Ziony, Israel, Brooklyn, N. Y. Safety double boat. No. 1,251,164; Dec. 25; v. 245; p. 920.
- Ziperstein, Israel I., New York, and A. C. Kaplan, Brooklyn, assignors of fifteen one-hundredths to N. Schreiber, fifteen one-hundredths to A. Schreiber, fifteen one-hundredths to B. Kaiser, five one-hundredths to B. Oppenheim, New York, N. Y., and one thirty-second to K. Zucker, Chicago, Ill. Airship. No. 1,228,159; May 29; v. 238; p. 1536.
- Zipper, Emil, assignor to Arbeits- und Lohnverrechner-Gesellschaft m. b. H., Vienna, Austria. Accounting apparatus. No. 1,234,851; July 31; v. 240; p. 1217.
- Zirkle, Addie L., North Yakima, Wash. Wire clothes-pin. No. 1,222,510; Apr. 10; v. 237; p. 560.
- Zistel, Oscar, Sandusky, Ohio. Aerating device. No. 1,214,637; Feb. 6; v. 235; p. 54.
- Zistel, Oscar, Sandusky, Ohio. Fish-conveying auto. No. 1,227,732; May 29; v. 238; p. 1393.
- Zittlosen Manufacturing Company. (See Schultz, Herman F., Jr., assignor.)
- Zobel, Charles A., Fort Smith, Ark. Railway-crossing. No. 1,244,401; Oct. 23; v. 243; p. 1022.
- Zohner, Gustav, Fortes, Saskatchewan, Canada. Animal-releasing device. No. 1,242,302; Oct. 9; v. 243; p. 305.
- Zollinger, Adalbert, Leipzig-Eutritzsch, assignor to Popper & Co. Gesellschaft mit beschränkter Haftung, Leipzig, Germany. Music-sheet changer for mechanical musical instruments. No. 1,211,029; Jan. 2; v. 234; p. 226.
- Zolniger, Charles. (See Henderson and Zolniger.)
- Zolper, William, Wilmington, Del. Device for picking up or lifting pins, needles, &c. No. 1,212,870; Jan. 16; v. 234; p. 927.
- Zona, Ezio, New York, N. Y. Protractor. No. 1,245,304; Nov. 6; v. 244; p. 49.

Alphabetical list of patentees—Continued.

- Zorba, Alexander, Herrick, S. D. Guide for window shades. No. 1,217,261; Feb. 27; v. 235; p. 1104.
- Zorger, Adam H., Shermans Dale, Pa. Corn-slicer. No. 1,213,056; Jan. 16; v. 234; p. 992.
- Zorger, William H., Champaign, Ill. Headlight-lens. No. 1,246,216; Nov. 13; v. 244; p. 350.
- Zorn, William H., Harrisburg, Nebr. End-gate rod. No. 1,247,778; Nov. 27; v. 244; p. 878.
- Zorzytzki, Johann, Bismarckhütte, Germany. Steam-trap. No. 1,234,251; July 24; v. 240; p. 994.
- Zotter, Julius. (See Terry, Michael A., assignor.)
- Zouri Drawn Metals Company. (See Murnane, Daniel J., assignor.)
- Zouri Drawn Metals Company. (See Murnane, James P., assignor.)
- Zschiesche, William H. M., Bartlett, Tex. Corn-popper. No. 1,222,511; Apr. 10; v. 237; p. 560.
- Zuber, John G., Chicago, Ill. Variable-delivery pump and injector. No. 1,224,589; May 1; v. 238; p. 169.
- Zubryd, Antoni, Castle Shannon, Pa. Burglar-catching device. No. 1,217,381; Feb. 27; v. 235; p. 1146.
- Zuck, Bert, and W. E. McVay, Crawfordsville, Ind. Gear-casing. No. 1,232,881; July 10; v. 240; p. 479.
- Zuck, Emerson S., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Arc-welding apparatus. No. 1,233,434; July 17; v. 240; p. 693.
- Zucker, Kate, *et al.* (See Zipperstein and Kaplan, assignors.)
- Zuckerman, John S., *et al.* (See Bower, Bert H., assignor.)
- Zuckerman, Joseph, New York, N. Y. Combined bathing-cap and suit-bag. No. 1,213,571; Jan. 23; v. 234; p. 1205.
- Zuckerman, Michael. (See Krell and Zuckerman.)
- Zueblin, Ernest, Baltimore, Md. Apparatus for applying therapeutically-active rays to the human body. No. 1,228,865; June 5; v. 239; p. 168.
- Zuercher, Oscar A. (See Nading, Franklin A., assignor.)
- Zumwalt, Arthur B., Fulton, Cal. Shock-absorber. No. 1,226,434; May 15; v. 238; p. 891.
- Zunac, Steve, Coaldale, Pa. Permutation-lock. No. 1,238,617; Aug. 28; v. 241; p. 1096.
- Zunac, Steve, Coaldale, Pa. Safe-alarm. No. 1,238,618; Aug. 28; v. 241; p. 1097.
- Zúñiga, Alberto G., Lima, Peru. Comfort-chair. No. 1,231,686; July 3; v. 240; p. 51.
- Zuraw, John. (See Plofchan and Zuraw.)
- Zurvalecz, John, Martin, Pa. Chair-operated fan. No. 1,212,433; Jan. 16; v. 234; p. 774.
- Zwarich, Andrew C., Homestead, Pa. Motor. No. 1,222,710; Apr. 17; v. 237; p. 673.
- Zwarich, Andrew C., Homestead, Pa. Motor. No. 1,237,597; Aug. 21; v. 241; p. 735.
- Zwarich, Andrew C., Homestead, Pa. Power-transmission device. No. 1,237,598; Aug. 21; v. 241; p. 736.
- Zweiback, Joseph, Kimberley, South Africa. Elevator-brake. No. 1,235,513; July 31; v. 240; p. 1420.
- Zwerdling, Morris, New York, N. Y. Candy-whistle machine. No. 1,229,375; June 12; v. 239; p. 387.
- Zwermann, Carl H., Kalamazoo, Mich. Kiln construction. No. 1,216,390; Feb. 20; v. 235; p. 762.
- Zwick, William S. J., assignor to The Forest City Engineering Company, Cleveland, Ohio. Roof structure. No. 1,239,331; Sept. 4; v. 242; p. 195.
- Zwick, William S. J., assignor to The Forest City Engineering Company, Cleveland, Ohio. Roof structure. No. 1,239,332; Sept. 4; v. 242; p. 195.
- Zwicky, Jean, South Tottenham, England. Pump. No. 1,232,159; July 3; v. 240; p. 211.
- Zwilling, Joseph, assignor to Western Electric Company, Incorporated, New York, N. Y. Reeling device. No. 1,247,358; Nov. 20; v. 244; p. 722.
- Zwillinger, Max, assignor to Crown Optical Company, Rochester, N. Y. Lens. No. 1,236,895; Aug. 14; v. 241; p. 472.
- Zwingenberger, Otto K., Perth Amboy, N. J. Medicinal composition containing oil. No. 1,235,179; July 31; v. 240; p. 1319.
- Zwisler, Arthur L. (See Burleigh and White, assignors.)
- Zwisler, Arthur L., *et al.* (See Cook, Don J., assignor.)
- Zwisler, Irvin, assignor to The McGraw Tire & Rubber Company, East Palestine, Ohio. Machine for wrapping rubber tubes. No. 1,230,262; June 19; v. 239; p. 718.
- Zytkiewicz, Adolf, Meriden, Conn. Flying-machine. No. 1,219,616; Mar. 20; v. 236; p. 668.
- Zywno, Stanislaw P., Middletown, Conn. Flying-machine. No. 1,241,072; Sept. 25; v. 242; p. 839.

ALPHABETICAL LIST OF PATENTEES OF DESIGNS.

- A. Stein & Company. (See Stein, Albert, assignor.)
A. C. Gilbert Company. (See Gilbert, Alfred C., assignor.)
A. C. Gilbert Company, The. (See Klagsbrunn, Hugo, assignor.)
A. F. Ward Machinery Co., The. (See Ward, Ashley F., assignor.)
A. S. Ward Machinery Co., The. (See Ward, Ashley F., assignor.)
Aanonsen, Edward K., *et al.* (See McPhaden, Alexander, assignor.)
Aaron, Max N., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Lace Trimming. No. 50,898; June 12; v. 239; p. 624.
Aaron, Max N., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Trimming. No. 51,164; Aug. 21; v. 241; p. 889.
Abt, Robert C., Chicago, Ill. Nutcracker. No. 50,899; June 12; v. 239; p. 624.
Acme Shear Company, The. (See Koehler, Edward, assignor.)
Adam, Harry C., St. Louis, Mo. Lighting-fixture. Nos. 50,860-1; June 5; v. 239; p. 287.
Adam, Harry C., St. Louis, Mo. Lighting-fixture. No. 51,294; Sept. 25; v. 242; p. 972.
Adam, Harry C., St. Louis, Mo. Lighting-fixture. No. 51,326; Oct. 9; v. 243; p. 497.
Adam, Harry C., St. Louis, Mo. Lighting-fixture. No. 51,361; Oct. 16; v. 243; p. 768.
Adam, Harry C., St. Louis, Mo. Lighting-fixture. Nos. 51,473-4; Nov. 13; v. 244; p. 539.
Adam, Harry C., St. Louis, Mo. Lighting-fixture bowl. No. 51,520; Nov. 27; v. 244; p. 1066.
Adams, Salathiel S., Lafayette, Tenn. Tire-tread. No. 50,673; May 1; v. 238; p. 277.
Aichele, George F., Fort Wayne, Ind. Grave-marker. No. 50,457; Mar. 20; v. 236; p. 869.
Ainsworth, George R., Great Neck, N. Y. Electric-light fixture. Nos. 50,331-3; Feb. 20; v. 235; pp. 1021-2.
Akron Biltwell Tire & Rubber Company. (See Braley, Mack, assignor.)
Alexander Smith & Sons Carpet Company. (See Fulton, James C., assignor.)
Alexander Smith & Sons Carpet Company. (See Parton, Henry W., assignor.)
Alexis, Henry F., Fish Lake, Minn. Back comb. No. 51,542; Dec. 11; v. 245; p. 527.
Alexis, Henry F., Fish Lake township, Chisago county, Minn. Hair-pin. No. 51,625; Dec. 25; v. 245; p. 1006.
Alfred J. Brown Seed Co. (See Tobey, Fred W., assignor.)
Allan, Matthew, assignor of one-third to W. A. Blake, Victoria, British Columbia, Canada. Ash-tray. No. 51,568; Dec. 18; v. 245; p. 810.
Allen, Grosvenor N., Oneida, N. Y. Handle for a spoon or analogous utensil. No. 50,288; Feb. 13; v. 235; p. 664.
Allen, Grosvenor N., Oneida, N. Y. Handle for a spoon or analogous utensil. No. 50,546; Apr. 3; v. 237; p. 286.
Allen, Grosvenor N., assignor to Oneida Community, Limited, Oneida, N. Y. Handle for spoons or analogous utensils. Nos. 50,256-62; Feb. 6; v. 235; pp. 298-9.
Allison, Estelle, New York, N. Y. Toy figure. No. 51,490; Nov. 20; v. 244; p. 796.
Alness, Mark G. (See Cross and Alness.)
Alpha Gamma Delta Fraternity. (See Howe, Charles H., assignor.)
America, Richard F., Philadelphia, Pa. Tire. No. 51,193; Aug. 28; v. 241; p. 1131.
American Bank Note Company. (See Major, Alfred S., assignor.)
American Can Company. (See Hoffman, Edmund, assignor.)
American Electrical Heater Company. (See Kuhn and Shalloo, assignors.)
American Graphophone Company. (See Scully, John J., assignor.)
American Lace Paper Company. (See Conrad, Fred, assignor.)
American Lead Pencil Company. (See Stetson, John P., assignor.)
American Piano Company. (See Kavanagh and Winterbotham, assignors.)
American Steam Gauge & Valve Manufacturing Company. (See Woodman, Frank B., assignor.)
American Stopper Company. (See Corey, Harry R., assignor.)
American Store Company. (See Blackford, Atwell J., assignor.)
Amherst, Jacob B., Los Angeles, Cal. Toy balloon. No. 51,036; July 17; v. 240; p. 912.
Andersen, John C., Brooklyn, N. Y. Phonograph-cabinet. No. 51,543; Dec. 11; v. 245; p. 528.
Anderson, James, Jr., Omaha, Nebr. Signal. No. 51,089; July 31; v. 240; p. 1433.
Anderson, Thomas B., Chester, assignor to The Edwin M. Knowles China Company, Newell, W. Va. Dish or similar article. No. 51,194; Aug. 28; v. 241; p. 1131.
Andrews, Charles S., Boston, Mass. Cabinet. No. 51,451; Nov. 6; v. 244; p. 267.
Andrews, Fred L., Beaver, assignor to H. C. Fry Glass Company, Rochester, Pa. Glass article. No. 50,334; Feb. 20; v. 235; p. 1022.
Andrews, Fred L., Beaver, assignor to H. C. Fry Glass Company, Rochester, Pa. Glass article. Nos. 50,458-9; Mar. 20; v. 236; p. 869.
Angiulli, Luigi, assignor of one-half to J. Crocco, New York, N. Y. Lamp-stand. No. 50,929; June 19; v. 239; p. 911.
Anklam, William F., assignor to C. M. Hall Lamp Company, Detroit, Mich. Lamp-door. Nos. 50,862-3; June 5; v. 239; p. 287.
Archer, Charles L. (See Klopfenstein, Clarence B., assignor.)
Archer, Charles L., Minneapolis, Minn. Automobile-tire. No. 51,428; Oct. 23; v. 243; p. 1047.
Archer, Charles L., Minneapolis, Minn. Non-skid tire-tread. No. 51,429; Oct. 23; v. 243; p. 1047.
Archer, Frank M., Brookline, assignor to The Moxie Company, Boston, Mass. Automobile. Nos. 50,373-4; Feb. 27; v. 235; p. 1326.
Arends, Theodore, Detroit, Mich. Cover for books. No. 51,362; Oct. 16; v. 243; p. 769.
Armstrong Brothers Tool Company. (See Armstrong, Paul, assignor.)
Armstrong Cork Company. (See Humphreys, Harry, assignor.)
Armstrong, Paul, River Forest, assignor to Armstrong Brothers Tool Company, Chicago, Ill. Cabinet. No. 51,008; July 10; v. 240; p. 617.
Arnold, John E., *et al.* (See Shoup, Elmer, assignor.)
Arthur Company, The. (See Freedman, Arthur O., assignor.)
Arvidson, Clarence G. (See Ebelhare and Arvidson.)
Atkinson, Harry W. (See Smith and Atkinson.)
Aucouin, Numa L., Delcambre, La. Portable fireplace. No. 51,295; Sept. 25; v. 242; p. 973.
Auto Equipment Company, The. (See House, Olmsted, and Gumprecht, assignors.)
Automatic Lace & Embroidery Co., The. (See Zullig, Emil, assignor.)
Automatic Recording Safe Company, The. (See Grunwald, Albert C., assignor.)
Automatic Recording Safe Company, The. (See Hoche, Edmund S., assignor.)
Autopiano Company, The. (See La Joie, Herbert J., assignor.)
Autoyre Co., The. (See Sweyd, Abram M., assignor.)
Avisus, Leo, New York, N. Y. Flag or emblem. No. 51,195; Aug. 28; v. 241; p. 1132.
B. F. Goodrich Company, The. (See Pierson, Robert M., assignor.)
B. F. Goodrich Company, The. (See Raymond, Harry K., assignor.)
Babcock, Charles E., Sr., York, Pa. Badge or similar article. Nos. 51,569-70; Dec. 18; v. 245; pp. 810-11.
Babeckl, Konstantyn, Winfield, N. Y. Altar-clock. No. 51,090; July 31; v. 240; p. 1433.
Backstrom, Charles A., Crafton, Pa., assignor to Pittsburg Water Heater Company. Water-heater shell. No. 50,864; June 5; v. 239; p. 287.
Badger, Oliver L., New York, N. Y. Strap-fitting. No. 51,571; Dec. 18; v. 245; p. 811.
Baech, Eugene C., Irvington, N. Y. Wall-covering. No. 51,434; Oct. 30; v. 243; p. 1290.
Baehr, Gustav A., assignor to H. Baehr, Baltimore, Md. Toy rattle. No. 50,460; Mar. 20; v. 236; p. 869.
Baehr, Hermine. (See Baehr, Gustav A., assignor.)
Bailey, George R., assignor to Sterling Casket Hardware Company, Brooklyn, N. Y. Casket-handle arm and lug. No. 50,598; Apr. 17; v. 237; p. 894.
Bailey, George R., assignor to Sterling Casket Hardware Company, Brooklyn, N. Y. Casket-handle and lugs. No. 50,599; Apr. 17; v. 237; p. 894.
Bailey, George R., assignor to Sterling Casket Hardware Company, Brooklyn, N. Y. Candlestick for altars. No. 50,642; Apr. 24; v. 237; p. 1197.
Bailey, George R., assignor to Sterling Casket Hardware Company, Brooklyn, N. Y. Holy-water font. No. 50,708; May 8; v. 238; p. 613.
Bailey, George R., assignor to Sterling Casket Hardware Company, Brooklyn, N. Y. Casket-handle lug. No. 50,710; May 8; v. 238; p. 614.

- Bailey, George R., assignor to Sterling Casket Hardware Company, Brooklyn, N. Y. Casket-handle lug. No. 50,771; May 15; v. 238; p. 953.
- Bailey, George R., assignor to Sterling Casket Hardware Company, Brooklyn, N. Y. Ornament for caskets. No. 50,772; May 15; v. 238; p. 954.
- Bailey, Harrison R., Boston, Mass. Rim-tool. No. 51,521; Nov. 27; v. 244; p. 1066.
- Bailey, Joseph T., Philadelphia, Pa. Badge or insignia. Nos. 50,289-90; Feb. 13; v. 235; p. 664.
- Bailey, Joseph T., Philadelphia, Pa. Jewelry-ring. No. 51,311; Oct. 2; v. 243; p. 210.
- Baitinger, George J., St. Louis, Mo., assignor to The National Advertising Co., Inc., New Orleans, La. Cover for books. No. 51,091; July 31; v. 240; p. 1434.
- Baker, Frederick C., Portland, Oreg. Lighting-fixture. No. 50,865; June 5; v. 239; p. 288.
- Baker, George W., Rheems, Pa. Badge. No. 50,803; May 22; v. 238; p. 1306.
- Baker, Stephen D., New York, N. Y. Wall-receptacle for soap and other toilet articles. No. 50,291; Feb. 13; v. 235; p. 664.
- Baker, Stephen D., New York, N. Y. Built-in wall-receptacle. No. 51,165; Aug. 21; v. 241; p. 889.
- Baker, Stephen D., New York, N. Y. Built-in grab-rail wall device. No. 51,196; Aug. 28; v. 241; p. 1132.
- Baker, Stephen D., New York, N. Y. Wall-receptacle for soap and other toilet articles. No. 51,249; Sept. 11; v. 242; p. 490.
- Baker, Stephen D., New York, N. Y. Wall-receptacle for soap and other toilet articles. No. 51,405; Oct. 23; v. 243; p. 1043.
- Baker, Stephen D., assignor to The Hotchkiss, Vail & Garrison Company, New York, N. Y. Water-closet bowl. No. 50,674; May 1; v. 238; p. 277.
- Baker, Walter J., Chicago, Ill. Cabinet for phonographs. No. 50,641; Apr. 17; v. 237; p. 902.
- Ball, George E., Stratford, Conn., assignor to Whiting Manufacturing Company, New York, N. Y. Handle for a spoon, fork, or similar article. No. 50,292; Feb. 13; v. 235; p. 665.
- Ball, George E., Stratford, Conn., assignor to Whiting Manufacturing Company, New York, N. Y. Platter, tray, or similar article. No. 50,547; Apr. 3; v. 237; p. 286.
- Ball, George E., Stratford, Conn., assignor to Whiting Manufacturing Company, New York, N. Y. Handle for a spoon, fork, or similar article. No. 50,562; Apr. 10; v. 237; p. 594.
- Ball, George E., Stratford, Conn., assignor to Whiting Manufacturing Company, New York, N. Y. Body of a teapot or other article of hollow ware. No. 50,563; Apr. 10; v. 237; p. 594.
- Ballin, Maurice, assignor to Neustadter Bros., San Francisco, Cal. Collar. No. 50,643; Apr. 24; v. 237; p. 1198.
- Barbalich, Laurancz, Cleveland, Ohio. Top. No. 50,980; July 3; v. 240; p. 309.
- Barber, Joel D., Bronxville, N. Y. Clothes-hanger. No. 51,572; Dec. 18; v. 245; p. 811.
- Barbiers, Ferd S., assignor to The Hocking Glass Company, Lancaster, Ohio. Light-globe. No. 50,564; Apr. 10; v. 237; p. 594.
- Barbiers, Ferd S., assignor to The Hocking Glass Company, Lancaster, Ohio. Light-globe. No. 51,130; Aug. 14; v. 241; p. 592.
- Barker, James, Philadelphia, assignor to M. E. Barker, Rydal, Pa. Chair-pedestal. No. 50,900; June 12; v. 239; p. 624.
- Barker, Joseph C., Kansas City, Kans. Finger-ring or similar article. No. 51,406; Oct. 23; v. 243; p. 1043.
- Barker, Mary E. (See Barker, James, assignor.)
- Barnard, Arthur W., Newton, and J. W. McMillan, Marshfield, Mass., assignors to Colonial Scale Company. Weighing-scale. No. 50,804; May 22; v. 238; p. 1307.
- Barney, Arthur L., assignor to Tiffany & Co., New York, N. Y. Spoon, fork, or similar article. No. 50,375; Feb. 27; v. 235; p. 1326.
- Barnhart Bros. & Sprindler. (See Gaunt, Sidney C., assignor.)
- Barnholth, Christian A. (See Cline, Jerry D., assignor.)
- Barr, Andrew J., assignor of one-half to H. E. Homberger, Mansfield, Ohio. Combined fixture and valve. No. 50,866; June 5; v. 239; p. 288.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J. Bowl for lighting-fixtures. No. 50,117; Jan. 2; v. 234; p. 345.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J. Wall-bracket for lighting-fixtures. No. 50,867; June 5; v. 239; p. 288.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Lighting-fixture. Nos. 50,154-6; Jan. 16; v. 234; p. 1023.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Canopy for lighting-fixtures. No. 50,157; Jan. 16; v. 234; p. 1023.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Socket-cover for lighting-fixtures. No. 50,158; Jan. 16; v. 234; p. 1023.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Arm for lighting-fixtures. No. 50,159; Jan. 16; v. 234; p. 1024.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Lighting-fixture. Nos. 50,160-8; Jan. 16; v. 234; pp. 1024-5.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Center plate for a chandelier-body. No. 50,169; Jan. 16; v. 234; p. 1025.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Rim for a chandelier-body. Nos. 50,170-1; Jan. 16; v. 234; p. 1026.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Arm for lighting-fixtures. No. 50,172; Jan. 16; v. 234; p. 1026.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Candlestick. No. 50,173; Jan. 16; v. 234; p. 1026.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Chandelier ceiling-ring. No. 50,174; Jan. 16; v. 234; p. 1027.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Canopy for lighting-fixtures. No. 50,175; Jan. 16; v. 234; p. 1027.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Socket-cover for lighting-fixtures. No. 50,176; Jan. 16; v. 234; p. 1027.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Lighting-fixture. No. 50,263; Feb. 6; v. 235; p. 299.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Wall-plate for lighting-fixtures. No. 50,264; Feb. 6; v. 235; p. 300.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Lighting-fixture. No. 50,335; Feb. 20; v. 235; p. 1022.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Ceiling-canopy for lighting-fixtures. No. 50,493; Mar. 27; v. 236; p. 1189.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Loop for lighting-fixtures. No. 50,494; Mar. 27; v. 236; p. 1189.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Spindle for lighting-fixtures. No. 50,495; Mar. 27; v. 236; p. 1189.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Arm for a lighting-fixture. No. 50,496; Mar. 27; v. 236; p. 1189.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Wall-plate for a lighting-fixture. Nos. 50,497-8; Mar. 27; v. 236; pp. 1189-90.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Arm for lighting-fixtures. No. 50,499; Mar. 27; v. 236; p. 1190.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Hanger for lighting-fixtures. Nos. 50,500-1; Mar. 27; v. 236; p. 1190.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Ceiling-plate for a lighting-fixture. No. 50,502; Mar. 27; v. 236; p. 1191.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Lighting-fixture. Nos. 50,503-4; Mar. 27; v. 236; p. 1191.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to The Mitchell Vance Company, New York, N. Y. Arm-pan for lighting-fixtures. No. 50,600; Apr. 17; v. 237; p. 894.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors, by mesne assignments, to Mitchell Vance Company, New York, N. Y. Arm for lighting-fixtures. No. 50,675; May 1; v. 238; p. 278.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors, by mesne assignments, to Mitchell Vance Company, New York, N. Y. Wall-plate for lighting-fixtures. Nos. 50,676-8; May 1; v. 238; p. 278.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors, by mesne assignments, to Mitchell Vance Company, New York, N. Y. Arm for lighting-fixtures. No. 50,679; May 1; v. 238; p. 278.

Alphabetical list of patentees of designs—Continued.

- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors, by mesne assignments, to Mitchell Vance Company, New York, N. Y. Wall-plate for lighting-fixtures. No. 50,680; May 1; v. 238; p. 278.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors, by mesne assignments, to Mitchell Vance Co., Inc., New York, N. Y. Wall-plate for lighting-fixtures. No. 50,709; May 8; v. 238; p. 614.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors, by mesne assignments, to Mitchell Vance Co., Inc., New York, N. Y. Wall-plate for lighting-fixtures. Nos. 50,805-6; May 22; v. 238; p. 1307.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to Mitchell Vance Co., Inc., New York, N. Y. Lighting-fixture. No. 51,131; Aug. 14; v. 241; p. 592.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to Mitchell Vance Co., Inc., New York, N. Y. Wall-plate for lighting-fixtures. No. 51,166; Aug. 21; v. 241; p. 889.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to Mitchell Vance Co., Inc., New York, N. Y. Spindle for lighting-fixtures. No. 51,167; Aug. 21; v. 241; p. 889.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to Mitchell Vance Co., Inc., New York, N. Y. Wall-plate for lighting-fixtures. No. 51,168; Aug. 21; v. 241; p. 889.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to Mitchell Vance Co., Inc., New York, N. Y. Lighting-fixture. Nos. 51,169-70; Aug. 21; v. 241; p. 890.
- Barrows, Robert Y., Rutherford, and G. V. Strahan, Newark, N. J., assignors to Mitchell Vance Co., Inc., New York, N. Y. Arm for lighting-fixtures. No. 51,171; Aug. 21; v. 241; p. 890.
- Barsamian, Barsam S., Detroit, Mich. Shoe. No. 51,407; Oct. 23; v. 243; p. 1043.
- Bastian Brothers Co. (See Monkhouse, Frederick C., assignor.)
- Bastran Brothers Co. (See McGoveron, Bernard J., assignor.)
- Baxter, John B., assignor to Covert Manufacturing Company, Watervliet, N. Y. Hook. No. 50,177; Jan. 16; v. 234; p. 1027.
- Bayley, Robert W., assignor to Bayley & Sons, Inc., Brooklyn, N. Y. Electric-lighting fixture. Nos. 50,178-9; Jan. 16; v. 234; p. 1028.
- Bayley & Sons. (See Bayley, Robert W., assignor.)
- Bean, Dixon L., assignor of one-half to M. H. Samson, Chicago, Ill. Lighting-fixture. No. 51,363; Oct. 16; v. 243; p. 769.
- Beck, John A., Portland, Oreg. Playing-card. Nos. 51,573-8; Dec. 18; v. 245; p. 811-12.
- Beck, Percy D., Lawrence, Kans. Tire-tread. No. 51,544; Dec. 11; v. 245; p. 528.
- Becker, Caspar, Montgomery county, assignor to Becker, Smith & Page, Philadelphia, Pa. Wall-paper. No. 50,118; Jan. 2; v. 234; p. 345.
- Becker, Henry, New York, N. Y. Seamstress sewing-cabinet. No. 50,214; Jan. 23; v. 234; p. 1289.
- Becker, Johannes P., Berkeley, Cal. Automobile signal-light. No. 50,930; June 19; v. 239; p. 911.
- Becker, Smith & Page. (See Becker, Caspar, assignor.)
- Beckwith, Walter C., Fostoria, Ohio. Tire-tread. No. 51,452; Nov. 6; v. 244; p. 267.
- Beckwith, Walter C., Fostoria, Ohio. Tire-tread. No. 51,435; Oct. 30; v. 243; p. 1290.
- Beeler, Esten B., assignor to Esta Water Auxiliator Co., Inc., New York, N. Y. Humidifier. No. 51,296; Sept. 25; v. 242; p. 973.
- Beiswanger, John, assignor to Gill Brothers Company, Steubenville, Ohio. Shade-bowl. No. 50,180; Jan. 16; v. 234; p. 1028.
- Bennett, Herbert W., South Hadley, Mass. Jardinière. No. 51,626; Dec. 25; v. 245; p. 1006.
- Berchtold, John A., Sigel, Ill. Button, badge, or similar article. No. 50,412; Mar. 6; v. 236; p. 253.
- Berchtold, John A., Sigel, Ill. Tobacco-pipe. No. 50,601; Apr. 17; v. 237; p. 894.
- Berg, Joseph, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Push-button. No. 51,475; Nov. 13; v. 244; p. 539.
- Berger, Emil, Brooklyn, N. Y., assignor to Boulevard Lace & Embroidery Company, Inc., West New York, N. J. Embroidery. No. 50,548; Apr. 3; v. 237; p. 286.
- Bernard Gloekler Company. (See Gloekler, J. Edward, assignor.)
- Bernstein, Isidoar, Brooklyn, N. Y. Finger-ring. No. 51,297; Sept. 25; v. 242; p. 973.
- Berry, Harry E. (See Duke, Berry, and Delzell.)
- Bertram, William L. (See Carter and Bertram.)
- Bessolo, William L., San Diego, Cal. Wrench. No. 50,119; Jan. 2; v. 234; p. 345.
- Beynon, Rees, Cleveland, Ohio, assignor to The Mechanical Rubber Company. Jar-ring. No. 51,579; Dec. 18; v. 245; p. 812.
- Bick, Frank, Amsterdam, Ohio. Stand. No. 51,037; July 17; v. 240; p. 912.
- Bickford, Charles A., Chicago, Ill. Ring. No. 50,293; Feb. 13; v. 235; p. 665.
- Bigelow Hartford Carpet Company. (See Enis, Joseph, assignor.)
- Bigelow Hartford Carpet Company. (See Gumuchian, Kirkor, assignor.)
- Bigelow Hartford Carpet Company. (See Lacouture, Henry C., assignor.)
- Bigelow Hartford Carpet Company. (See McCabe, William, assignor.)
- Bigelow Hartford Carpet Company. (See Riddell, Robert F., assignor.)
- Bigelow Hartford Carpet Company. (See Sauer, Emil G., assignor.)
- Bigelow Hartford Carpet Company. (See Spring, William A., assignor.)
- Binn, Edward H., Pittsburgh, Pa. Combination desk article. No. 50,901; June 12; v. 239; p. 624.
- Bishop, Mary F., Philadelphia, Pa. Moistener for an envelop, postage-stamp, or similar article. No. 51,436; Oct. 30; v. 243; p. 1291.
- Black & Decker Manufacturing Company, The. (See Black and Decker, assignors.)
- Black, Samuel D., Baltimore, Md., and A. G. Decker, Orangeville, Md., assignors to The Black & Decker Manufacturing Company, Baltimore, Md. Combined lamp and sign post and casing for dispensing mechanism or similar article. No. 51,453; Nov. 6; v. 244; p. 267.
- Blackford, Atwell J., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Stove. No. 51,092; July 31; v. 240; p. 1434.
- Blake, George W., Fort Atkinson, Wis. Storage-tank. No. 51,545; Dec. 11; v. 245; p. 528.
- Blake, William A. (See Allan, Matthew, assignor.)
- Blanchard, H. B. (See Crowley, James F., assignor.)
- Bland, Perry. (See Creech and Bland.)
- Blanke, Cyrus F., assignor to St. Louis Tin and Sheet Metal Working Company, St. Louis, Mo. Suitcase. No. 51,437; Oct. 30; v. 243; p. 1291.
- Blanks, Harriet E., Santa Cruz, Cal. Emblem. No. 51,054; July 24; v. 240; p. 1143.
- Blossingham, Loyd F., Barron, Wis. Automobile-body. No. 50,602; Apr. 17; v. 237; p. 894.
- Blesch, Charles, Newport, Ky., assignor to The Crane & Breed Manufacturing Company, Cincinnati, Ohio. Burial-casket plate. Nos. 51,038-9; July 17; v. 240; p. 912.
- Blesch, Charles, Newport, Ky., assignor to The Crane & Breed Manufacturing Company, Cincinnati, Ohio. Corner-piece for burial-caskets. Nos. 51,040-1; July 17; v. 240; pp. 912-13.
- Blum, Philip E., Dansville, N. Y. Shoe. No. 51,009; July 10; v. 240; p. 617.
- Blum, Philip E., Dansville, N. Y. Shoe. No. 51,042; July 17; v. 240; p. 913.
- Blum, Philip E., Dansville, N. Y. Slipper. No. 51,535; Dec. 4; v. 245; p. 257.
- Blynt, Herbert S., Binghamton, N. Y. Tread for an automobile-tire. No. 50,644; Apr. 24; v. 237; p. 1198.
- Board, Minnie W., Elma, N. Y. Utensil-stand. No. 51,055; July 24; v. 240; p. 1143.
- Bonn, Samuel. (See Cerone, Pietro, assignor.)
- Boorman, William H., Jersey City, N. J. Emblem. No. 51,536; Dec. 4; v. 245; p. 257.
- Booth, Kraft, assignor to Gillinder & Sons, Inc., Philadelphia, Pa. Illuminating-globe. Nos. 50,603-4; Apr. 17; v. 237; p. 895.
- Borgtrafe, Edward W., assignor to Electric Specialty Co., Stamford, Conn. Casing for radiogenerators. No. 51,250; Sept. 11; v. 242; p. 490.
- Borland, Flora L., Reno, Nev. Combined ink-well and pen-rack. No. 51,408; Oct. 23; v. 243; p. 1043.
- Borton, Charles E., et al. (See Fisk, Willard C., assignor.)
- Bottom, Edgar M., assignor to Fostoria Glass Company, Moundsville, W. Va. Glass article. No. 50,336; Feb. 20; v. 235; p. 1022.
- Boulevard Lace & Embroidery Company. (See Berger, Emil, assignor.)
- Bourgeois, Rudolph J. (See Smith and Bourgeois.)
- Bowden, Martin L. and M. L., Jr., Brooklyn, N. Y. Ring or similar article. No. 50,181; Jan. 16; v. 234; p. 1028.
- Bowden, Martin L. and Martin L., Jr., Brooklyn, N. Y. Ring or similar article. No. 50,461; Mar. 20; v. 236; p. 869.
- Bowden, Martin L. and M. L., Jr., Brooklyn, N. Y. Ring or similar article. No. 50,549; Apr. 3; v. 237; p. 286.
- Bowden, Martin L. and M. L., Jr., Brooklyn, N. Y. Ring or similar article. No. 50,807; May 22; v. 238; p. 1307.
- Bowden, Martin L. and M. L., Jr., Brooklyn, N. Y. Ring or similar article. No. 50,902; June 12; v. 239; p. 624.
- Boyd, Leora, Los Angeles, Cal. Doll. No. 51,172; Aug. 21; v. 241; p. 890.
- Boyer, Lola A., Firdale, Wash. Sewing-table. No. 50,711; May 8; v. 238; p. 614.
- Boyle, Willis J., Sr., Los Angeles, Cal. Canteen. No. 50,182; Jan. 16; v. 234; p. 1029.
- Boyton, John C., Cleveland, Ohio. Electrical-conduit fitting. No. 50,462; Mar. 20; v. 236; p. 869.
- Braley, Mack, assignor to The Akron Biltwell Tire & Rubber Company, Akron, Ohio. Vehicle-wheel tire. No. 51,522; Nov. 27; v. 244; p. 1066.
- Brannan, William, Newark, N. J. Powder-puff. No. 51,105; Aug. 7; v. 241; p. 274.

- Braunstein, Simon, New York, N. Y. Electric-light fixture. No. 50,964; June 26; v. 239; p. 1187.
- Braunstein, Simon, New York, N. Y. Portable lamp. No. 51,197; Aug. 28; v. 241; p. 1132.
- Braunstein, Simon, New York, N. Y. Electric-light fixture. Nos. 51,251-2; Sept. 11; v. 242; p. 491.
- Bray, Squire, Attleboro, Mass. Cuff-button. No. 51,173; Aug. 21; v. 241; p. 890.
- Bredle, James V., Cedar Rapids, Iowa. Weeder-head. No. 51,327; Oct. 9; v. 243; p. 497.
- Breitenstein, Arthur L., Akron, Ohio, assignor to The Lancaster Tire & Rubber Company, Lancaster, Ohio. Tire-tread. No. 50,265; Feb. 6; v. 235; p. 300.
- Breitenstein, Arthur, Akron, assignor to The Mutual Motor Stores Company, Cleveland, Ohio. Tire-casing. No. 51,580; Dec. 18; v. 245; p. 812.
- Breneman, Mazola, Philadelphia, Pa. Indicator for radiators of automobiles. No. 51,454; Nov. 6; v. 244; p. 267.
- Brett, George E., Birmingham, Ala. Bottle. No. 51,409; Oct. 23; v. 243; p. 1043.
- Bridges, Charles E., Chicago, Ill. Automobile-heater. No. 50,505; Mar. 27; v. 236; p. 1191.
- Brinckerhoff, Francis M., Englewood, N. J. Light-screen. No. 50,183; Jan. 16; v. 234; p. 1029.
- Brock, Susan E., Cooper, Tex. Cover for cooking-receptacles. No. 50,645; Apr. 24; v. 237; p. 1198.
- Broderick, Daniel, New York, N. Y. Combined ash-receiver, cigar-rest, and match-box holder. No. 50,605; Apr. 17; v. 237; p. 895.
- Bromiley, Irving, Cranston, R. I., assignor to Old Colony Advertising Company. Sign. No. 50,215; Jan. 23; v. 234; p. 1289.
- Bromiley, Irving, Cranston, R. I. Sign. No. 50,606; Apr. 17; v. 237; p. 895.
- Broughton, John S., assignor to United and Globe Rubber Mfg. Companies, Trenton, N. J. Tire. No. 50,681; May 1; v. 238; p. 279.
- Brown, Edmund N., San Francisco, Cal. Electric-heater casing. Nos. 51,275-6; Sept. 18; v. 242; pp. 726-7.
- Brown, Edmund N., San Francisco, Cal., assignor to Majestic Electric Development Co. Electric-heater casing. No. 51,043; July 17; v. 240; p. 913.
- Brown, Edmund N., San Francisco, Cal., assignor to Majestic Electric Development Company. Electric-heater casing. No. 51,253; Sept. 11; v. 242; p. 491.
- Brown, Edmund N., San Francisco, Cal., assignor to Majestic Electric Development Company. Electric-heater casing. No. 51,328; Oct. 9; v. 243; p. 497.
- Brown, Gilbreth, assignor to The E. A. Potter Co., Providence, R. I. Watchcase-protector. No. 51,298; Sept. 25; v. 242; p. 973.
- Brown, Harold H., Indianapolis, Ind., assignor to University of Chicago, Chicago, Ill. Plate or similar article. No. 50,337; Feb. 20; v. 235; p. 1022.
- Brown, John W., Jr., Columbus, Ohio, and L. McCullough, Chicago, Ill., assignors to The John W. Brown Manufacturing Company, Columbus, Ohio. Automobile-lamp. No. 50,184; Jan. 16; v. 234; p. 1029.
- Brown, Kenneth W., Yonkers, N. Y., assignor to E. Quigley, as chancellor of Delta Theta Phi Law Fraternity. Key. No. 50,801; May 15; v. 238; p. 959.
- Brown, Lanville A., Kansas City, Mo. Bedstead. No. 51,329; Oct. 9; v. 243; p. 493.
- Brunswick-Balke-Collender Company, The. (See Hine, Cicero, assignor.)
- Brunswick-Balke-Collender Company, The. (See Hobbs, Frank C., assignor.)
- Brunswick-Balke-Collender Company. (See Maguire, John W., assignor.)
- Bryant Brothers Company, The. (See Clausen, Alfred B. L., assignor.)
- Bryant Electric Company, The. (See Thomas, George B., assignor.)
- Bryant, Elmer J., assignor to The Taft-Peirce Manufacturing Company, Woonsocket, R. I. Universal right-angle iron. No. 51,581; Dec. 18; v. 245; p. 812.
- Buchek, Joseph, Oak Park, Ill. Lock. No. 50,773; May 15; v. 238; p. 954.
- Buck & Glenn. (See Glenn, Chalmers L., assignor.)
- Buckeye Incubator Company, The. (See Smith, Samuel B., assignor.)
- Buckley, Warren B., New York, N. Y. Vehicle-tire. Nos. 50,120-1; Jan. 2; v. 234; p. 345.
- Buckley, Warren B., New York, N. Y. Tire-tread. No. 50,828; May 29; v. 238; p. 1611.
- Buckley, Warren B., Overbrook, Pa. Tire-tread. No. 51,546; Dec. 11; v. 245; p. 528.
- Budd, Benjamin C., Toronto, Ontario, Canada. Packet of gum. No. 51,133; Aug. 14; v. 241; p. 592.
- Budd, Edward G., Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company. Vehicle-wheel fender. No. 51,410; Oct. 23; v. 243; p. 1044.
- Bulla, Fayette D., assignor to George Cutter Company, South Bend, Ind. Lighting-post. No. 51,221; Sept. 4; v. 242; p. 231.
- Bunte Brothers. (See Coolidge, Laura M., assignor.)
- Bunting, James H., assignor to Susquehanna Silk Mills, New York, N. Y. Brocade. Nos. 50,829-31; May 29; v. 238; pp. 1611-12.
- Burfeind, Richard F., assignor to Keystone Type Foundry, Philadelphia, Pa. Font of type. No. 51,254; Sept. 11; v. 242; p. 491.
- Burgess, Thornton W. (See Cady, Harrison, assignor.)
- Burglar Proof Lock and Hardware Corporation. (See Segal, Samuel, assignor.)
- Burns, Howard E., assignor to The C. F. Massey Company, Chicago, Ill. Concrete smoke-jack. No. 50,903; June 12; v. 239; p. 625.
- Busby, Harley S., Washington, Iowa. Hog-waterer. No. 50,646; Apr. 24; v. 237; p. 1198.
- Bush, Jacob J., Lima, Ohio. Combination-cabinet. No. 51,222; Sept. 4; v. 242; p. 231.
- Bushkovski, John, Columbus, Ohio. Placard. No. 50,647; Apr. 24; v. 237; p. 1198.
- Butler, Harriet B. C., Boston, Mass. Brooch, pin, or similar article. No. 51,330; Oct. 9; v. 243; p. 498.
- Butler, Murry, Brookhaven, Miss. Book-table. No. 50,122; Jan. 2; v. 234; p. 346.
- Butterfield, William H., Stechford, Birmingham, England. Magneto-bracket. No. 50,338; Feb. 20; v. 235; p. 1022.
- Byington, Karl, Chicago, Ill. Savings and discount check. No. 51,093; July 31; v. 240; p. 1434.
- C. F. Massey Company, The. (See Burns, Howard E., assignor.)
- C. M. Hall Lamp Company. (See Ankam, William F., assignor.)
- Cady, Harrison, Brooklyn, N. Y., assignor to T. W. Burgess, Springfield, Mass. Article of manufacture. Nos. 50,223-34; Jan. 30; v. 234; pp. 1551-3.
- Cady, Harrison, Brooklyn, N. Y., assignor to T. W. Burgess, Springfield, Mass. Game-board or similar article. No. 50,235; Jan. 30; v. 234; p. 1553.
- Cady, Harrison, Brooklyn, N. Y., assignor to T. W. Burgess, Springfield, Mass. Article of manufacture. No. 50,236; Jan. 30; v. 234; p. 1554.
- Campbell, Charles L., assignor to John C. Dettra & Company, Inc., Oaks, Pa. Pennant. No. 50,413; Mar. 6; v. 236; p. 254.
- Capell, Martha A., Oakland, Cal. Burial-casket. No. 51,134; Aug. 14; v. 241; p. 592.
- Cappa, Stephen, Lead, S. D. Watch-charm. No. 51,476; Nov. 13; v. 244; p. 539.
- Carlisle, Fred B., North Kingston, R. I., assignor to J. M. Gilbert, New York, N. Y. Tire-tread. No. 50,931; June 19; v. 239; p. 912.
- Caron, Arthur J., assignor to Sears, Roebuck and Company, Chicago, Ill. Ornamental flexible roofing. No. 51,438; Oct. 30; v. 243; p. 1291.
- Carrier, Arthur M., Oakland, Cal. Tooth-brush. No. 51,135; Aug. 14; v. 241; p. 592.
- Carruthers, Arthur C., New York, N. Y. Indicator. No. 51,582; Dec. 18; v. 245; p. 813.
- Carter, George B., and W. L. Bertram, Detroit, Mich., assignors to C. Emrich, Columbus, Ohio. Stove. No. 50,505; Apr. 10; v. 237; p. 594.
- Carter, Walter M., New Orleans, La. Catch for spectacle-cases. No. 50,607; Apr. 17; v. 237; p. 895.
- Carver, Thomas A., Colo, Iowa. Dust-pan. No. 50,123; Jan. 2; v. 234; p. 346.
- Cary, Floyd F., Fairhaven, Mass., assignor to The Fairpoint Corporation. Glass plate or similar article. No. 50,463; Mar. 20; v. 236; p. 870.
- Cary, Floyd F., Fairhaven, Mass., assignor to The Fairpoint Corporation. Glass plate or similar article. Nos. 50,550-1; Apr. 3; v. 237; p. 287.
- Case, Homer W., assignor to Pittsburgh Toy Vehicle Company, Pittsburgh, Pa. Velocipede for the use of children. No. 50,552; Apr. 3; v. 237; p. 287.
- Case, Homer W., assignor to Pittsburgh Toy Vehicle Company, Pittsburgh, Pa. Velocipede for the use of children. No. 50,882; June 5; v. 239; p. 291.
- Cassidy, Alice, Hubbard, Oreg. Doll. No. 50,294; Feb. 13; v. 235; p. 665.
- Cassidy, George W., New York, N. Y. Lamp. No. 51,255; Sept. 11; v. 242; p. 491.
- Cassidy & Son Manufacturing Co. (See Wahle, Albert, assignor.)
- Central Brass Manufacturing Company, The. (See Mortimer, John N., assignor.)
- Cerone, Pietro, Syracuse, N. Y. Panel for wood furniture. No. 50,566; Apr. 10; v. 237; p. 595.
- Cerone, Pietro, assignor to S. Bonn, Syracuse, N. Y. Panel for wood furniture. No. 50,774; May 15; v. 238; p. 954.
- Chas. Emmerich and Co. (See Emmerich, Edward E., assignor.)
- Chas. Polacheck & Bro. Co. (See Polacheck, William, assignor.)
- Chase, Cassius S. (See McLaughlin, William H., assignor.)
- Chase, Theron P., Detroit, Mich. Radiator for an automobile. No. 50,266; Feb. 6; v. 235; p. 300.
- Cheln, Julius, Montclair, N. J. Toy. No. 50,832; May 29; v. 238; p. 1612.
- Cheney Brothers. (See Doughty, Emma W., assignor.)
- Chianco, Benedetto, Clairton borough, Pa. Barber's cabinet. No. 50,237; Jan. 30; v. 234; p. 1554.
- Christensen, George, Los Angeles, Cal. Emblem. No. 50,932; June 19; v. 239; p. 912.
- Christiansen, Nora G., Gary, Ind. Emblem or insignia. No. 51,455; Nov. 6; v. 244; p. 267.
- Clark, Maud G., New York, N. Y. Game-board. No. 50,339; Feb. 20; v. 235; p. 1023.
- Clausen, Alfred B. L., assignor to The Bryant Brothers Company, Columbus, Ohio. Light-diffusing reflector. No. 50,267; Feb. 6; v. 235; p. 300.

Alphabetical list of patentees of designs—Continued.

- Clausen, Holger V., New York, N. Y. Liquid-flask. No. 51,136; Aug. 14; v. 241; p. 592.
- Clayton & Lambert Manufacturing Company. (See Lambert, Charles R., assignor.)
- Cline, Jerry D., assignor of one-half to C. A. Barnholth, Akron, Ohio. Non-skid tread. No. 50,567; Apr. 10; v. 237; p. 595.
- Coatsworth, Louis, Chicago, Ill. Casing for motion-picture apparatus. No. 50,145; Jan. 9; v. 234; p. 652.
- Cochrane, James P., Edinburgh, Scotland. Golf-ball. No. 50,553; Apr. 3; v. 237; p. 287.
- Cochrane, James P., Edinburgh, Scotland. Golf-ball. No. 50,883; June 5; v. 239; p. 292.
- Cohen, Henry D., Newark, N. J. Lens for headlights. No. 50,682; May 1; v. 238; p. 279.
- Cohn, Tobias, New York, N. Y. Bag-handle. No. 51,491; Nov. 20; v. 244; p. 796.
- Coleman, Herman, Kansas City, Mo. Casket. No. 50,712; May 8; v. 238; p. 614.
- Collins, William A., Brooklyn, N. Y. Kite. No. 50,124; Jan. 2; v. 234; p. 346.
- Colonial Scale Company. (See Barnard and McMillan, assignors.)
- Computing Scale Company, The. (See Hopkinson, Joseph, assignor.)
- Conde, Harry L., Syracuse, N. Y. Whisk-broom holder. No. 51,364; Oct. 16; v. 243; p. 769.
- Cone, Robert H., Jr., St. Louis, Mo. Cabinet for talking-machines. No. 51,056; July 24; v. 240; p. 1143.
- Congoleum Company, The. (See Solms, Martha H., assignor.)
- Conrad, Fred, Milwaukee, Wis., assignor to American Lace Paper Company. Paper doily. No. 51,137; Aug. 14; v. 241; p. 592.
- Conrad, Fred, Milwaukee, Wis., assignor to American Lace Paper Company. Paper doily. No. 51,223; Sept. 4; v. 242; p. 232.
- Converse, Atherton D., Winchendon, Mass. Toy. No. 50,340; Feb. 20; v. 235; p. 1023.
- Coolidge, Laura M., assignor to Bunte Brothers, Chicago, Ill. Candy-container. No. 50,554; Apr. 3; v. 237; p. 287.
- Corcoran-Victor Company, The. (See Francis, Roy A., assignor.)
- Corey, Harry R., assignor to American Stopper Company, Brooklyn, N. Y. Sheet-metal talcum-box. No. 50,933; June 19; v. 239; p. 912.
- Coste, Emile, assignor to Titus Blatter & Company, New York, N. Y. Textile fabric. No. 51,547; Dec. 11; v. 245; p. 528.
- Coulombe, Joseph C., Dracont, Mass. Warning-signal. No. 51,548; Dec. 11; v. 245; p. 528.
- Covert Manufacturing Company. (See Baxter, John B., assignor.)
- Cowan, Frank V., Chicago, Ill. Automobile-meter. No. 50,568; Apr. 10; v. 237; p. 595.
- Cowan, William K., Chicago, Ill. Talking-machine cabinet. Nos. 50,608-13; Apr. 17; v. 237; p. 896.
- Crabb, Frederick G., New Haven, Conn., assignor to In-sull & Crabb. Badge, emblem, or similar article. No. 51,010; July 10; v. 240; p. 617.
- Crane & Breed Manufacturing Company, The. (See Blesch, Charles, assignor.)
- Crane, Ernest M., and C. R. Pelton, Detroit, Mich. Cabinet for electrical appliances. No. 51,365; Oct. 16; v. 243; p. 769.
- Creech, Samuel E., and P. Bland, Sullivan, Ill. Hair-pin. No. 50,981; July 3; v. 240; p. 309.
- Creel, Kirtland B., El Paso, Tex. Combination match-lighter and pincushion. No. 51,549; Dec. 11; v. 245; p. 529.
- Crocco, James. (See Angiulli, Luigi, assignor.)
- Cronan, Joseph D., Portland, Oreg. Novelty doll. No. 50,934; June 19; v. 239; p. 912.
- Cross, Joseph G., and M. G. Alness, Everett, Wash. Priming-cup. No. 51,224; Sept. 4; v. 242; p. 232.
- Crow, Martin E., Elkhart, Ind. Automobile-body. No. 51,198; Aug. 28; v. 241; p. 1132.
- Crowell, Frank S., assignor to The Western Gas Fixture Co., Toledo, Ohio. Glass bowl for a lighting-fixture. No. 50,868; June 5; v. 239; p. 288.
- Crowell, Frank S., assignor to The Western Gas Fixture Co., Toledo, Ohio. Lighting-fixture arm. No. 50,869; June 5; v. 239; p. 289.
- Crowell, Frank S., assignor to The Western Gas Fixture Co., Toledo, Ohio. Arm for lighting-fixtures. Nos. 51,256-7; Sept. 11; v. 242; p. 492.
- Crowell, Frank S., assignor to The Western Gas Fixture Co., Toledo, Ohio. Bracket-back for lighting-fixtures. No. 51,258; Sept. 11; v. 242; p. 492.
- Crowell, Gilbert L., Jr., Arlington, N. J., assignor to Dominick & Haff, New York, N. Y. Handle for a spoon, fork, or similar article. Nos. 51,583-4; Dec. 18; v. 245; p. 813.
- Crowley, James F., assignor of two-fifths to H. B. Blanchard, Chariton, Iowa. Sign. No. 50,441; Mar. 13; v. 236; p. 575.
- Cummings, Thomas F., Chicago, Ill. Wheeled cabinet. No. 50,713; May 8; v. 238; p. 614.
- Curtiss Aeroplane & Motor Corporation. (See Dalton, Nelson W., assignor.)
- Curtiss Aeroplane & Motor Corporation. (See Payne and Tarbox, assignors.)
- Curtiss, George E., New Britain, Conn. Standard for coffee-machines. Nos. 51,199-200; Aug. 28; v. 241; p. 1132.
- Curtiss, George E., assignor to Landers, Frary & Clark, New Britain, Conn. Handle for a fork or similar article. No. 50,870; June 5; v. 239; p. 289.
- Curtiss, George E., assignor to Landers, Frary & Clark, New Britain, Conn. Handle for forks and similar articles. No. 51,312; Oct. 2; v. 243; p. 210.
- Curtiss, John S., El Paso, Tex. Slot-machine savings-bank. No. 51,366; Oct. 16; v. 243; p. 769.
- Cutler-Hammer Mfg. Co., The. (See Klein, Charles J., assignor.)
- Czerna, Joseph, Goshen, Conn. Insect-trap. No. 50,904; June 12; v. 239; p. 625.
- D. Gruen Sons & Company. (See Gruen, Frederick G., assignor.)
- Dahl, John G., Omaha, Nebr. Lamp-lens. No. 51,585; Dec. 18; v. 245; p. 813.
- Daisy Manufacturing Company. (See Lefever, Charles F., assignor.)
- Dake, Charles W. (See Kilker and Dake.)
- Dalley, Henry A., assignor to The Unit Construction Company, Philadelphia, Pa. Sales counter or cabinet. No. 51,299; Sept. 25; v. 242; p. 974.
- Dalton, Nelson W., Buffalo, N. Y., assignor to Curtiss Aeroplane & Motor Corporation. Aeroplane-body. No. 50,714; May 8; v. 238; p. 614.
- Dan Patch Novelty Company, The. (See Kehl, Frank E., assignor.)
- Darley, John W., Jr., Baltimore, Md., assignor to The Universal Steel Package Co. Metallic barrel. No. 50,295; Feb. 13; v. 235; p. 665.
- Darling, Loren M., Des Moines, Iowa. Ring or similar article. No. 50,808; May 22; v. 238; p. 1507.
- Darlington, Howard D., Dayton, Ohio. Talking-machine cabinet. No. 50,775; May 15; v. 238; p. 954.
- Daving, Joseph, and J. Yokelson, New York, N. Y. Case and dial for a wrist-watch. No. 51,523; Nov. 27; v. 244; p. 1066.
- Davis, Edward A., New York, N. Y., assignor to The Great Council of the United States of the Improved Order of Red Men. Badge or similar article. No. 50,965; June 26; v. 239; p. 1188.
- Davis, Emanuel, Brooklyn, N. Y. Statuette. Nos. 51,313-14; Oct. 2; v. 243; p. 210.
- Davis, Paul M., Brooklyn, N. Y. Toy. No. 50,238; Jan. 30; v. 234; p. 1554.
- Davis Sewing Machine Company, The. (See Rottweiler, George V., assignor.)
- Dawes, John L., Pittsburgh, Pa. Lamp-casing. No. 50,239; Jan. 30; v. 234; p. 1554.
- Dawes, John L., Pittsburgh, Pa. Lamp-casing. Nos. 50,905-6; June 12; v. 239; p. 625.
- Dawes, John L., Pittsburgh, Pa. Lamp globe or casing. No. 51,477; Nov. 13; v. 244; p. 539.
- Dawson, Rupert G., Overdale, Dunblane, Scotland. Glass bottle. No. 50,296-300; Feb. 13; v. 235; pp. 665-6.
- Day, Nellie S., Springfield, Mass. Doll. No. 50,648; Apr. 24; v. 237; p. 1198.
- Day, Nellie S., Springfield, Mass. Effigy. Nos. 50,649-50; Apr. 24; v. 237; p. 1199.
- De Mattia, Barthold. (See De Mattia, Peter and B.)
- De Mattia, Peter and B., Clifton, N. J. Automobile-tire. No. 50,269; Feb. 6; v. 235; p. 301.
- De Vignier, Robert M., Hollis Terrace, N. Y. Radiator for automobiles and other vehicles. No. 51,012; July 10; v. 240; p. 617.
- De Vilbiss Manufacturing Company, The. (See De Vilbiss, Thomas A., assignor.)
- De Vilbiss, Thomas A., assignor to The De Vilbiss Manufacturing Company, Toledo, Ohio. Salt-cellar, bottle, or similar article. No. 50,414; Mar. 6; v. 236; p. 254.
- De Vilbiss, Thomas A., assignor to The De Vilbiss Manufacturing Company, Toledo, Ohio. Salt-cellar, bottle, or similar article. Nos. 50,466-7; Mar. 20; v. 236; pp. 870-1.
- De Ville, Walter, East Liverpool, Ohio, assignor to The Palm Brothers Company, New York, N. Y. Plate or similar article. No. 50,240; Jan. 30; v. 234; p. 1555.
- Dean, Calvin, Providence, R. I. Protector for articles to be worn on the wrist. No. 51,225; Sept. 4; v. 242; p. 232.
- Dean, Sydney, Stoke-upon-Trent, England, assignor to William S. Piteairn Corporation, New York, N. Y. Plate or similar article. No. 50,464; Mar. 20; v. 236; p. 870.
- Decker, Alonzo G. (See Black and Decker.)
- Delzell, Charles A. (See Duke, Berry, and Delzell.)
- Delzell, Daniel H. (See Duke, Berry, and Delzell.)
- Depollier, Charles L., Brooklyn, N. Y. Watch-bow. No. 51,011; July 10; v. 240; p. 617.
- Desenfant, George A., San Francisco, Cal. Stick-pin. No. 51,226; Sept. 4; v. 242; p. 232.
- Dewey, William F., Kansas City, Mo. Stove. No. 50,465; Mar. 20; v. 236; p. 870.
- Dickinson, Edward B. (See Piper, Alfred H., assignor.)
- Didero, Joseph M., Cleveland, Ohio. Ice-cream shovel. No. 51,586; Dec. 18; v. 245; p. 813.
- Divlne, Charles A., Columbus, Ohio. Set of letters and numerals for signs. No. 51,259; Sept. 11; v. 242; p. 492.

- Doke, Charles H., H. E. Berry, D. H. and C. A. Delzell, Denver, Colo. Insignia, emblem, badge, or button. No. 50,935; June 19; v. 239; p. 912.
- Doke, Charles H., H. E. Berry, D. H. and C. A. Delzell, Denver, Colo. Emblem, badge, or button. No. 50,936; June 19; v. 239; p. 913.
- Doke, Charles H., H. E. Berry, D. H. and C. A. Delzell, Denver, Colo. Military emblem, badge, or button. No. 50,937; June 19; v. 239; p. 913.
- Domestic Talking Machine Corporation. (See Sheble, Horace, assignor.)
- Dominick & Haff. (See Crowell, Gilbert L., Jr., assignor.)
- Dominick & Haff. (See Hebbard, Harrison, assignor.)
- Donnelly, William J., Butte, Mont. Cross-heart pendant. No. 51,201; Aug. 28; v. 241; p. 1133.
- Dosch, Charles R. (See Hawley and Dosch.)
- Doud, Louie N., Norwalk, Ohio. Slipper-tree and dresser-hanger. No. 50,468; Mar. 20; v. 236; p. 871.
- Doughty, Emma W., Cresskill, N. J., assignor to Cheney Brothers, South Manchester, Conn. Textile fabric. Nos. 51,300-1; Sept. 25; v. 242; p. 974.
- Doyle, John, New York, N. Y. Lighting-fixture. No. 51,227; Sept. 4; v. 242; p. 232.
- Drefs, John, Omaha, Nebr. Badge. No. 51,260; Sept. 11; v. 242; p. 493.
- Dreyfus, Nathan, New York, N. Y. Clock. No. 51,278; Sept. 18; v. 242; p. 727.
- Duff-Gordon, Lucy, New York, N. Y. Aviation costume. No. 51,057; July 24; v. 240; p. 1144.
- Dufour, Leon, assignor to Société Anonyme des Ateliers Picard, Pictet & Cie, Geneva, Switzerland. Radiator for motor-cars. No. 51,174; Aug. 21; v. 241; p. 890.
- Dumelin, Charles, New York, N. Y. Automobile-body. No. 50,651; Apr. 24; v. 237; p. 1199.
- Duncan & Miller Glass Company, The. (See Miller, John E., assignor.)
- Dunne, James P., Chicago, Ill. Image or doll. No. 50,185; Jan. 16; v. 234; p. 1029.
- Durand Steel Locker Company. (See Vance, Walter N., assignor.)
- Dwyer, Thomas B., Lewellen, Nebr. Hog-holder. No. 50,614; Apr. 17; v. 237; p. 897.
- Dyson, George H., assignor to The Porter & Dyson Company, New Britain, Conn. Pin. No. 51,228; Sept. 4; v. 242; p. 232.
- E. Kopriwa Company. (See Kopriwa, Emanuel, assignor.)
- E. A. Potter Co., The. (See Brown, Gilbreth, assignor.)
- E. & J. Bass Inc. (See Frishman, David, assignor.)
- Eagle Glass & Manufacturing Company. (See Ott, Charles B., assignor.)
- Ebelhare, William H., and C. G. Arvidson, assignors to The Stenotype Company, Indianapolis, Ind. Writing-machine frame. No. 50,569; Apr. 10; v. 237; p. 595.
- Ebeling, Phillip, assignor of one-half to J. W. Lamparter, Moundsville, W. Va. Glass for headlights. No. 50,938; June 19; v. 239; p. 913.
- Ebinger, David A., Columbus, Ohio. Urinal. No. 51,537; Dec. 4; v. 245; p. 258.
- Eddy, Robert C., Milwaukee, Wis. Rubber ball. No. 50,652; Apr. 24; v. 237; p. 1199.
- Edmund and Jones Corporation. (See Godley, Charles E., assignor.)
- Edward G. Budd Manufacturing Company. (See Budd, Edward G., assignor.)
- Edwards, Albert Y., assignor to The Foos Gas Engine Company, Springfield, Ohio. Internal-combustion engine. No. 51,524; Nov. 27; v. 244; p. 1067.
- Edwin M. Knowles China Company, The. (See Anderson, Thomas B., assignor.)
- Ehrlich, Albert H., St. Joseph, Mo. Lock-casing and handle. No. 50,376; Feb. 27; v. 235; p. 1326.
- Ehrlich, Frederick W., Newark, N. J. Arm and clamp for autoscoops. No. 50,377; Feb. 27; v. 235; p. 1327.
- Ehrmann, Hilmar. (See Epstein, Edward, assignor.)
- Eichbaum, Herman W., Venice, Cal. Vehicle-body. No. 50,125; Jan. 2; v. 234; p. 346.
- Elchorn, Frederic W., assignor to Union Defender Co., Chicago, Ill. Vanity-case. No. 51,367; Oct. 16; v. 243; p. 769.
- Eisemann, Peter J., Brooklyn, N. Y. Laundry-bag. No. 50,469; Mar. 20; v. 236; p. 871.
- Eisenstadt Manufacturing Company. (See O'Brien, John C., assignor.)
- Eisinger, Ernest F., assignor to La France Novelty Co., New York, N. Y. Textile trimming. No. 51,229; Sept. 4; v. 242; p. 233.
- Electric Railway Equipment Company. (See Frary, Inna T., assignor.)
- Electric Specialty Co. (See Borggrafe, Edward W., assignor.)
- Elgin National Watch Company. (See Goodrow, Francis A., assignor.)
- Elkins, David H., Amesbury, Mass. Automobile lamp-door. Nos. 51,478-9; Nov. 13; v. 244; p. 540.
- Elkins, David H., Amesbury, assignor to Gray & Davis Inc., Cambridge, Mass. Lamp. Nos. 50,241-2; Jan. 30; v. 234; p. 1555.
- Elkins, David H., Amesbury, assignor to Gray & Davis Inc., Cambridge, Mass. Automobile-lamp. No. 50,833; May 29; v. 238; p. 1612.
- Elliott, Harry V., North Philadelphia, Pa. Badge, pin, or similar article of jewelry. No. 50,442; Mar. 13; v. 236; p. 575.
- Ellis, Emory E., assignor to Union Caliper Company, Orange, Mass. Caliper. No. 50,378; Feb. 27; v. 235; p. 1327.
- Ellis, John B., High Point, N. C. Waste-basket. No. 51,368; Oct. 16; v. 243; p. 770.
- Ellithorpe, Frederick T., Chicago, Ill. Game-indicator case. No. 51,587; Dec. 18; v. 245; p. 813.
- Elmore, Charles F., Chicago, Ill. Emblem. No. 51,094; July 31; v. 240; p. 1434.
- Elms & Sellon. (See Scholle, Charles F., assignor.)
- Emerson Engineering Company. (See Emerson, Victor L., assignor.)
- Emerson, Victor L., Alexandria, Va., assignor to The Emerson Engineering Company. Automobile-radiator. No. 50,776; May 15; v. 238; p. 954.
- Emil Grossman Mfg Co. (See Rosen, Mayer S., assignor.)
- Emmerich, Edward E., Park Ridge, assignor to Chas. Emmerich and Co., Chicago, Ill. Textile fabric. No. 50,379; Feb. 27; v. 235; p. 1327.
- Emrich, C. (See Carter and Bertram, assignors.)
- English, John C., Camden, N. J., assignor to Victor Talking Machine Company. Talking-machine casing. No. 50,126; Jan. 2; v. 234; p. 346.
- English & Mersick Co., The. (See Williams, Gordon, assignor.)
- Engman, Evald J., assignor to The Will & Baumer Co., Syracuse, N. Y. Candle. No. 51,588; Dec. 18; v. 245; p. 814.
- Enis, Joseph, Jersey City, N. J., assignor to Bigelow Hartford Carpet Company. Rug. No. 51,589; Dec. 18; v. 245; p. 814.
- Epstein, Edward, assignor to H. Ehrmann, Louisville, Ky. Bottle. No. 50,341; Feb. 20; v. 235; p. 1023.
- Ericson, Emile, Pelham, and R. Weiss, Brooklyn, N. Y., assignors to Hobbs Wall Paper Company. Border for wall-paper. No. 50,243; Jan. 30; v. 234; p. 1555.
- Erlebach, Robert, Brooklyn, assignor to The Palm Brothers Company, New York, N. Y. Plate or similar article. No. 50,342; Feb. 20; v. 235; p. 1023.
- Erlebach, Robert, Brooklyn, assignor to The Palm Brothers Company, New York, N. Y. Plate or similar article. Nos. 50,615-16; Apr. 17; v. 237; p. 897.
- Erzinger, Henry J. (See Gustus and Erzinger.)
- Esta Water Auxiliator Co. (See Beeler, Esten B., assignor.)
- Faerber, William, Chicago, Ill. Shampooing apparatus. No. 50,186; Jan. 16; v. 234; p. 1030.
- Fageol, Frank R., Piedmont, Cal. Automobile-radiator. No. 50,270; Feb. 6; v. 235; p. 301.
- Fageol, Frank R., Piedmont, Cal. Automobile-hood. No. 51,492; Nov. 20; v. 244; p. 797.
- Fageol, Rollie B., Oakland, Cal. Vehicle. No. 50,146; Jan. 9; v. 234; p. 652.
- Fairchild, Grace E., New York, N. Y. Button, emblem, or other insignia. No. 50,884; June 5; v. 239; p. 292.
- Faircloth, Frank T., San Francisco, Cal. Tread for automobile-tires. No. 50,871; June 5; v. 239; p. 289.
- Faircloth, Frank T., San Francisco, Cal. Tread for automobile-tires. No. 51,013; July 10; v. 240; p. 618.
- Fairclough, William R., Boston, Mass. Quilling for draperies, garments, or similar articles. No. 50,834; May 29; v. 238; p. 1612.
- Falkenberg, Bjarne, assignor to Hotpoint Electric Heating Company, Ontario, Cal. Casing and standard of electric heaters and the like. No. 51,525; Nov. 27; v. 244; p. 1067.
- Fanslow, Benjamin O., Rye, N. Y. Frame for check-protecting machines. No. 50,187; Jan. 16; v. 234; p. 1030.
- Farb, Pincus, Newark, N. J., assignor to Sonora Phonograph Corporation. Tone-arm. Nos. 51,058-60; July 24; v. 240; p. 1144.
- Fausner, Gustave M., New York, N. Y., assignor to The Hobbs Wall Paper Company. Wall-paper. No. 50,188; Jan. 16; v. 234; p. 1030.
- Fausner, Gustave M., New York, N. Y., assignor to Hobbs Wall Paper Company. Border for wall-paper. No. 50,216; Jan. 23; v. 234; p. 1289.
- Fausner, Gustave M., New York, N. Y., assignor to Hobbs Wall Paper Company. Border for wall-paper. No. 51,106; Aug. 7; v. 241; p. 275.
- Fawcett, Willis G., Salem, Ohio. Combined hat and clothes hook. No. 50,217; Jan. 23; v. 234; p. 1289.
- Federal Motor Truck Company. (See Wright, Bernard F., assignor.)
- Fell, Richard, assignor to Reed & Barton Corporation, Taunton, Mass. Spoon, fork, or similar article. No. 50,835; May 29; v. 238; p. 1612.
- Fellom, Lelia M., Los Angeles, Cal. Doll. No. 51,202; Aug. 28; v. 241; p. 1133.
- Fensterer, Walter J., Englewood, N. J. Light-transmitting glass article. No. 50,506; Mar. 27; v. 236; p. 1191.
- Fensterer, Walter J., Englewood, N. J. Shade. No. 50,777; May 15; v. 238; p. 955.
- Ferier, François E., Lyon, France. Silk cloth. No. 50,255; Jan. 30; v. 234; p. 1557.
- Finizio, Thomas D., Kitchawan, N. Y. Portable electric lamp. No. 50,189; Jan. 16; v. 234; p. 1030.
- Fischer, Charles, New York, N. Y. Finger-ring or similar article. No. 51,302; Sept. 25; v. 242; p. 974.
- Fisk, Willard C., Seattle, assignor to C. E. Borton and E. L. Perkins, King county, Wash. Clasp for watch-fobs. No. 50,343; Feb. 20; v. 235; p. 1023.

Alphabetical list of patentees of designs—Continued.

- Fix, Max, New York, N. Y. Pillow-slip. No. 50,836; May 29; v. 238; p. 1613.
- Fleming, Paul B., Huron, S. D. Emblem. No. 50,715; May 8; v. 238; p. 615.
- Floyd, George G., Riverside, Ill. Casing for razor-blade sharpeners. No. 51,550; Dec. 11; v. 245; p. 529.
- Fontana, Frank, San Francisco, Cal. Street-clock. No. 51,280; Sept. 18; v. 242; p. 728.
- Foos Gas Engine Company, The. (See Edwards, Albert Y., assignor.)
- Forbell, Charles H., Woodhaven Junction, assignor of one-half to J. H. Kehler, New York, N. Y. Statuette. No. 50,778; May 15; v. 238; p. 955.
- Force, Garfield, Brooklyn, N. Y. Badge. No. 51,411. Oct. 23; v. 243; p. 1044.
- Ford, Edward M., Jr. (See Sutton, Ernest S., assignor.)
- Ford, Elmer A. (See Kelly and Ford.)
- Forster, Henry C., Omaha, Nebr. Lamp-lens. No. 51,279; Sept. 13; v. 242; p. 727.
- Foster, Roderic S. (See West and Foster.)
- Fostoria Glass Company. (See Bottome, Edgar M., assignor.)
- Fostoria Glass Company. (See Sullivan, Charles L., assignor.)
- Francis, Roy A., Bellevue, Ky., assignor to The Corcoran-Victor Company, Cincinnati, Ohio. Lamp-door. Nos. 51,480-82; Nov. 13; v. 244; pp. 540-41.
- Frank & Company, L. (See Williams, Dick B., assignor.)
- Frary, Ihna T., Cleveland, assignor to Electric Railway Equipment Company, Cincinnati, Ohio. Street-light standard. No. 50,716; May 8; v. 238; p. 615.
- Frayser, Mary L., Hornersville, Mo. Dish-drainer. No. 51,061; July 24; v. 240; p. 1144.
- Frederick Stearns & Co. (See McClure, Clarence M., assignor.)
- Freed, Allie S., New York, N. Y. Textile trimming. No. 51,107; Aug. 7; v. 241; p. 275.
- Freedman, Arthur O., assignor to The Arthur Company, Inc., New Haven, Conn. Bottle. No. 50,837; May 29; v. 238; p. 1613.
- Freese, William D., Akron, Ohio. Tire-tread. No. 50,380; Feb. 27; v. 235; p. 1327.
- Freid, Isidor, Brooklyn, N. Y. Tray. No. 50,885; June 5; v. 239; p. 292.
- French, William A., Minneapolis, Minn., assignor, by mesne assignments, to New Jersey Patent Company, West Orange, N. J. Music-cabinet. Nos. 50,966-71; June 26; v. 239; pp. 1188-9.
- Friedberger-Aaron Manufacturing Company. (See Aaron, Max N., assignor.)
- Friedberger-Aaron Manufacturing Company. (See Strickhouser, Carlos, assignor.)
- Friedley-Voshardt Co. (See Mohrmann, Paul, assignor.)
- Friedley-Voshardt Co. (See Wellman, Lester R., assignor.)
- Frishman, David, assignor to E. & J. Bass Inc., New York, N. Y. Salt-shaker. No. 50,907; June 12; v. 239; p. 625.
- Fritch, Elue O., assignor to Hood Rubber Company, Watertown, Mass. Tire-tread. No. 50,190; Jan. 16; v. 234; p. 1030.
- Fuller, Franz A., assignor to The J. E. Mergott Company, Newark, N. J. Desk-tray. No. 50,838; May 29; v. 238; p. 1613.
- Fulper, William H., Flemington, N. J. Combined flower-bowl and vase. No. 51,108; Aug. 7; v. 241; p. 275.
- Fulton, James C., assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y. Carpet. No. 51,261; Sept. 11; v. 242; p. 493.
- Funk, Glenn W., Jeromesville, Ohio. Combination-tool. No. 50,381; Feb. 27; v. 235; p. 1327.
- Funke, Ernest H. (See Wagner and Funke.)
- Furchgott, Mortimer C., assignor to Grain Products Company, St. Louis, Mo. Cation or other article of manufacture. No. 50,507; Mar. 27; v. 236; p. 1191.
- Fyscher, Maximilian, assignor to Our Heroes Corporation, New York, N. Y. Commemoration-tablet. No. 51,456; Nov. 6; v. 244; p. 268.
- Gaertner, Rudolf, New York, N. Y. Plate or similar article. No. 50,617; Apr. 17; v. 237; p. 897.
- Gailey, Florence L., Detroit, Mich. Emblem, pin, or badge. No. 51,551; Dec. 11; v. 245; p. 529.
- Galpin, Sadie A., Jefferson, Ohio. Spoon. No. 51,369; Oct. 16; v. 243; p. 770.
- Garlick, Samantha, Mooresville, Mo. Flat-iron heater. No. 51,493; Nov. 20; v. 244; p. 797.
- Garrett, Charles H., Jr. (See Kelley and Garrett.)
- Garthwaite, Albert A., Conshohocken, Pa. Pneumatic tire. No. 51,370; Oct. 16; v. 243; p. 770.
- Gaspar, George, Pinehill, Pa. Combined coffee and tea pot. No. 50,779; May 15; v. 238; p. 955.
- Gaunt, Sidney C., assignor to Barnhart Bros. & Spindler, Chicago, Ill. Font of type. Nos. 51,371-8; Oct. 16; v. 243; pp. 770-71.
- Gavurin, Jacob, and S. Qualwasser, New York, N. Y. Badge or similar article. No. 51,494; Nov. 20; v. 244; p. 797.
- Gayle, James, Carrollton, Ky. Railway bulletin-board. No. 50,147; Jan. 9; v. 234; p. 652.
- Gebhart, John C., assignor to F. Low, St. Louis, Mo. Casing for measuring-machines or the like. No. 50,908; June 12; v. 239; p. 626.
- Gels, George V., Dayton, Ohio. Pan-biscuit. No. 50,810; May 22; v. 238; p. 1308.
- Geisman, Samuel, New York, N. Y. Article of manufacture. No. 50,508; Mar. 27; v. 236; p. 1192.
- Geissinger, William T., Pittsburgh, Pa. Font of printing-type. No. 50,191; Jan. 16; v. 234; p. 1030.
- General Electric Company. (See Gosling, Joseph W., assignor.)
- George Cutter Company. (See Bulla, Fayette D., assignor.)
- Gerlach, Alfred H., assignor to The Meyercord Company, Chicago, Ill. Plate or similar article. No. 50,886; June 5; v. 239; p. 292.
- German-American Button Company. (See Monaghan, John S., assignor.)
- German-American Button Company. (See Siebert, Rudolph, assignor.)
- Gilbert, Alfred C., assignor to The A. C. Gilbert Company, New Haven, Conn. Toy building element. No. 51,277; Sept. 18; v. 242; p. 727.
- Gilbert, Alfred C., assignor to The A. C. Gilbert Company, New Haven, Conn. Toy girder or column. No. 51,552; Dec. 11; v. 245; p. 529.
- Gilbert, Joseph M. (See Carlisle, Fred B., assignor.)
- Gill Brothers Company. (See Beiswanger, John, assignor.)
- Gillinder Brothers. (See Owen, Raymond V., assignor.)
- Gillinder, Edgar A., Philadelphia, Pa. Illuminating-lens. No. 51,412; Oct. 23; v. 243; p. 1044.
- Gillinder & Sons. (See Booth, Kraft, assignor.)
- Gilling, Preston E., Sumter, S. C., assignor to Splitdorf Electric Company, Newark, N. J. Bicycle-lamp. No. 51,138; Aug. 14; v. 241; p. 592.
- Gilmore, Chace D., Highland Park, Mich. Combination salt and pepper cellar. No. 50,344; Feb. 20; v. 235; p. 1023.
- Ginnetti, Ernest, assignor to Ginnetti Manufacturing Company, Washington, D. C. Bottle. No. 51,139; Aug. 14; v. 241; p. 593.
- Ginnetti Manufacturing Company. (See Ginnetti, Ernest, assignor.)
- Glasmann, Benjamin, Brooklyn, N. Y. Ring. No. 51,095; July 31; v. 240; p. 1434.
- Glenn, Chalmers L., assignor to Buck & Glenn, Inc., Winston-Salem, N. C. Toy banking-room. No. 50,382; Feb. 27; v. 235; p. 1328.
- Gloekler, J. Edward, assignor to Bernard Gloekler Company, Pittsburgh, Pa. Refrigerator. Nos. 50,939-40; June 19; v. 239; p. 913.
- Godfrey, Robert E., New York, N. Y. Textile fabric. Nos. 50,887-91; June 5; v. 239; pp. 292-3.
- Godley, Charles E., assignor to Edmunds and Jones Corporation, Detroit, Mich. Lamp. No. 51,457; Nov. 6; v. 244; p. 268.
- Goetz, Henry F., assignor to Waterbury Mfg. Co., Waterbury, Conn. Overflow and waste fixture. Nos. 51,062-3; July 24; v. 240; pp. 1144-5.
- Goetze, Christopher A., Minneapolis, Minn. Tire-tread. Nos. 51,230-1; Sept. 4; v. 242; p. 233.
- Gold Car Heating & Lighting Company. (See Johns, Ellwood C., assignor.)
- Gollings, Archibald H., Akron, Ohio. Light-reflector. No. 50,982; July 3; v. 240; p. 310.
- Goodrow, Francis A., Elgin, assignor to Elgin National Watch Company, Chicago, Ill. Watch-dial. No. 51,627; Dec. 25; v. 245; p. 1007.
- Goodwin, John E., Stoke-upon-Trent, assignor to Josiah Wedgwood & Sons, Ltd., Etruria, England. Dish. No. 50,383; Feb. 27; v. 235; p. 1328.
- Gordon, Terry B., Jamaica Plain, Mass. Game-board. No. 51,203; Aug. 28; v. 241; p. 1133.
- Gordon Tire & Rubber Company, The. (See McKone, Charles W., assignor.)
- Gorham Manufacturing Company. (See Jenks, Barton P., assignor.)
- Gorham Manufacturing Company. (See Staf, Axel H., assignor.)
- Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Lamp-globe. No. 50,192; Jan. 16; v. 234; p. 1031.
- Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Globe. No. 51,064; July 24; v. 240; p. 1145.
- Gove, Henry H., Bliddeford, Me. Flushing device. No. 50,683; May 1; v. 238; p. 279.
- Graham, Clarence R., Oakland, Cal. Stove. No. 50,555; Apr. 3; v. 237; p. 288.
- Graham, Clarence R., Oakland, Cal. Stove. No. 50,941; June 19; v. 239; p. 913.
- Grain Products Company. (See Furchgott, Mortimer C., assignor.)
- Gramlich, Adolph, New York, N. Y. Flag. No. 51,331; Oct. 9; v. 243; p. 498.
- Grammes, Harry A., Allentown, Pa. Metal paper fastener or clip. No. 51,263; Sept. 11; v. 242; p. 493.
- Grant Tire & Rubber Company, The. (See Sullivan, Russell P., assignor.)
- Gray & Davis. (See Elkins, David H., assignor.)
- Gray, Edwin T., and A. T. Hoevet, New York, N. Y. Automobile signal-box. No. 50,127; Jan. 2; v. 234; p. 346.
- Great Council of the United States of the Improved Order of Red Men. (See Davis, Edward A., assignor.)
- Green, Walter R., Chicago, Ill. Curved drop-side mud-guard and splasher attachment. No. 50,345; Feb. 20; v. 235; p. 1024.

- Green, Walter R., Chicago, Ill. Drop-side mud-guard and splashier attachment. No. 50,846; Feb. 20; v. 235; p. 1024.
- Greenberg, David, New York, N. Y. Gem-setting. No. 50,128; Jan. 2; v. 234; p. 347.
- Greene, George W., East Liverpool, Ohio. Elastic vehicle-tire. No. 51,413; Oct. 23; v. 243; p. 1044.
- Grether, William, Dayton, Ohio. Portable electric lantern. No. 51,175; Aug. 21; v. 241; p. 891.
- Grey Iron Casting Company. (See Sander, Alfred H., assignor.)
- Grier, Frank L., assignor to The L. D. Caulk Co., Milford, Del. Mortar. No. 50,471; Mar. 20; v. 236; p. 871.
- Griffin, Robert B., New York, N. Y. Wall-paper. No. 50,509; Mar. 27; v. 236; p. 1192.
- Griffin, Robert B., New York, N. Y. Wall-paper. No. 50,570; Apr. 10; v. 237; p. 595.
- Griffin, Robert, assignor to The Robert Griffin Co., New York, N. Y. Cretonne, silk, tapestry, wall-paper, or print goods. No. 50,472; Mar. 20; v. 236; p. 872.
- Grinoch, Felicja, New York, N. Y. Lady's collar. No. 51,590; Dec. 18; v. 245; p. 814.
- Griswold, Marius E., Burlington, Iowa. Juvenile vehicle. No. 51,281; Sept. 18; v. 242; p. 728.
- Grode, Frank P., Kansas City, Mo. Billiard-table leg. No. 50,347; Feb. 20; v. 235; p. 1024.
- Gross, Oliver, assignor to The Gross Photo Supply Company, Toledo, Ohio. Slip-under photo-mount. No. 50,443; Mar. 13; v. 236; p. 576.
- Gross Photo Supply Company, The. (See Gross, Oliver, assignor.)
- Gruen, Frederick G., assignor to The D. Gruen Sons & Company, Cincinnati, Ohio. Watchcase and dial. No. 51,439; Oct. 30; v. 243; p. 1291.
- Grunwald, Albert C., Maywood, assignor, by mesne assignments, to The Automatic Recording Safe Company, Chicago, Ill. Clock-bank case. Nos. 50,717-22; May 8; v. 238; pp. 615-16.
- Guca, Duro, Chicago, Ill. Latch. No. 51,140; Aug. 14; v. 241; p. 593.
- Guenthermann, Hans, Mount Vernon, N. Y. Plate or similar article. No. 50,618; Apr. 17; v. 237; p. 898.
- Guerriero, Antonio, Brooklyn, N. Y. Automobile-fender. No. 51,414; Oct. 23; v. 243; p. 1044.
- Gumprecht, William L. (See House, Olmsted, and Gumprecht.)
- Gumuchian, Kirkor, New York, N. Y., assignor to Bigelow Hartford Carpet Company. Rug. No. 51,014; July 10; v. 240; p. 618.
- Gurney, Thomas N., Brooklyn, N. Y. Writing or printing paper. No. 50,415; Mar. 6; v. 236; p. 254.
- Gustus, John A., and H. J. Erzinger, Chicago, Ill. Display-stand. No. 50,619; Apr. 17; v. 237; p. 898.
- Guth, Edwin F., assignor to Luminous Unit Company, St. Louis, Mo. Lighting-fixture. Nos. 50,684-5; May 1; v. 238; p. 279.
- Guth, Edwin F., assignor to Luminous Unit Co., St. Louis, Mo. Revolving tray. No. 50,723; May 8; v. 238; p. 617.
- Guth, Oscar D., assignor to Luminous Unit Company, St. Louis, Mo. Lighting-fixture. No. 50,193; Jan. 16; v. 234; p. 1031.
- Gylywaichuk, John, Tolstoi, Manitoba, Canada. Comb. No. 50,983; July 3; v. 240; p. 310.
- Gylywaichuk, John, Tolstoi, Manitoba, Canada. Laval-lere. No. 51,232; Sept. 4; v. 242; p. 233.
- Gylywaichuk, John, Tolstoi, Manitoba, Canada. Tie-pin. No. 51,233; Sept. 4; v. 242; p. 234.
- H. C. Fry Glass Company. (See Andrews, Fred L., assignor.)
- H. C. Fry Glass Company. (See Provance, David F., assignor.)
- Haase, Leo G., Pasadena, Cal. Bench. No. 51,553; Dec. 11; v. 245; p. 529.
- Hadley, Clarence E., Elmira, N. Y. Smoking-pipe. No. 51,332; Oct. 9; v. 243; p. 498.
- Haley, Reuben, Beaver, assignor to United States Glass Company, Pittsburgh, Pa. Glass dish or similar article. No. 50,194; Jan. 16; v. 234; p. 1031.
- Haley, Reuben, Beaver, assignor to United States Glass Company, Pittsburgh, Pa. Glass plate or similar article. No. 50,195; Jan. 16; v. 234; p. 1031.
- Haley, Reuben, Beaver, assignor to The United States Glass Company, Pittsburgh, Pa. Glass article. Nos. 50,348-50; Feb. 20; v. 235; pp. 1024-5.
- Hamilton, Charles W., Milwaukee, Wis. Paper doily. Nos. 50,196-9; Jan. 16; v. 234; pp. 1031-2.
- Hamilton, Charles W., Milwaukee, Wis. Lace paper. No. 50,301; Feb. 13; v. 235; p. 666.
- Hamilton, Charles W., Milwaukee, Wis. Lace paper. Nos. 50,571-2; Apr. 10; v. 237; pp. 595-6.
- Hammock, Claude S., assignor to Nobbtoy Company, Inc., Syracuse, N. Y. Toy. Nos. 51,470-2; Nov. 6; v. 244; p. 271.
- Hanbury, John F., New York, N. Y. Insignia, button, pin, fob, box-top, paper-weight, or similar articles. No. 50,620; Apr. 17; v. 237; p. 898.
- Hanson, Eugene I., New Rochelle, assignor to H. R. Mallinson & Co., New York, N. Y. Textile fabric. Nos. 50,302-7; Feb. 13; v. 235; pp. 666-7.
- Hanson, Eugene I., New Rochelle, assignor to H. R. Mallinson & Co., New York, N. Y. Textile fabric. No. 50,384; Feb. 27; v. 235; p. 1328.
- Hanson, Eugene I., New Rochelle, assignor to H. R. Mallinson & Co., New York, N. Y. Textile fabric. No. 50,621; Apr. 17; v. 237; p. 898.
- Hanson, Eugene I., New Rochelle, assignor to H. R. Mallinson & Co., New York, N. Y. Textile fabric. Nos. 50,653-4; Apr. 24; v. 237; pp. 1199-1200.
- Hanson, Eugene I., New Rochelle, and R. Schey, assignors to H. R. Mallinson & Co., New York, N. Y. Textile fabric. Nos. 51,109-21; Aug. 7; v. 241; pp. 275-8.
- Hardwick & Magee Co. (See Ulmer, Harry, assignor.)
- Harley-Davidson Motor Co. (See Harley, William S., assignor.)
- Harley, William S., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Gear-wheel. No. 50,129; Jan. 2; v. 234; p. 347.
- Harper, George H., Chicago, Ill. Finger-ring or similar article of jewelry. No. 51,554; Dec. 11; v. 245; p. 529.
- Harris, James, Wyoming, Ohio. Candy tablet or the like. No. 50,148; Jan. 9; v. 234; p. 653.
- Harris, Mary E., San Francisco, Cal. Doll. No. 51,234; Sept. 4; v. 242; p. 234.
- Harris, Mary E., San Francisco, Cal. Statuette or doll. No. 51,415; Oct. 23; v. 243; p. 1044.
- Harris, Moses H., New York, N. Y. Display-sign. No. 51,495; Nov. 20; v. 244; p. 797.
- Hartnett, William B., Brooklyn, N. Y. Patriotic badge or pendant. No. 51,015; July 10; v. 240; p. 618.
- Hartrick, George, Oak Park, Ill. Button or pin. No. 51,065; July 24; v. 240; p. 1145.
- Hasel, Leo, Lakeview, Oreg. Reinforcing-plate for shoes. No. 50,573; Apr. 10; v. 237; p. 596.
- Hatch, Herbert F., Newton, assignor to W. H. Holbrook Company, Boston, Mass. Cloth, paper, leather, or other fabric. No. 50,686; May 1; v. 238; p. 279.
- Hauser Machine & Manufacturing Co. Inc. (See Rauber, Charles S., assignor.)
- Hauvette-Michelin, Jules, New Brunswick, assignor to Michelin Tire Company, Miltown, N. J. Tire-tread. No. 51,555; Dec. 11; v. 245; p. 530.
- Hawley, Jesse G., and C. R. Dosch, Bridgeport, Conn. Automobile-headlight. No. 51,430; Oct. 23; v. 243; p. 1048.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Vehicle-lamp with mirrorscope. No. 50,200; Jan. 16; v. 234; p. 1032.
- Hawthorne, Ellsworth A., Bridgeport, Conn. Mirrorscope. No. 51,556; Dec. 11; v. 245; p. 530.
- Hazelton Brothers. (See Plaisted, William M., assignor.)
- Healy, Frank D., Plattsburgh, N. Y. Pin, brooch, or similar article for personal wear. No. 50,416; Mar. 6; v. 236; p. 254.
- Heathcote, Edwin C., Brooklyn, N. Y. Emblem, brooch, button, fob, or similar article. No. 51,591; Dec. 18; v. 245; p. 814.
- Hebbard, Harrison, East Orange, N. J., assignor to Dominick & Haff, New York, N. Y. Tray, dish, or similar article of silver hollow ware. No. 51,496; Nov. 20; v. 244; p. 797.
- Hebbard, Harrison, East Orange, N. J., assignor to Dominick & Haff, New York, N. Y. Border for a dish, plate, bowl, tray, or similar article of silver hollow ware. No. 51,538; Dec. 4; v. 245; p. 258.
- Heckroth, Reginald A., Delhi, N. Y. Pair of eyeglasses. No. 50,385; Feb. 27; v. 235; p. 1328.
- Heisey & Co., A. H. (See Heisey, Thomas C., assignor.)
- Heisey & Co., A. H. (See Sanford, Andrew J., assignor.)
- Heisey, Thomas C., assignor to A. H. Heisey & Co., Newark, Ohio. Glass vessel. No. 50,351; Feb. 20; v. 235; p. 1025.
- Heizmann, Charles L., Wyomissing, Pa. Porcelain door-knob. No. 51,333; Oct. 9; v. 243; p. 498.
- Held, Bernard, Philadelphia, Pa. Shoe-fastener. No. 50,473; Mar. 20; v. 236; p. 872.
- Heller, Samuel, New York, N. Y. Precious, semiprecious, or synthetic stone or an imitation thereof. No. 50,444; Mar. 13; v. 236; p. 576.
- Helwitz, Ellis S., Brooklyn, N. Y. Heel-tip. No. 51,592; Dec. 18; v. 245; p. 814.
- Hemenway, John F., New York, N. Y. Pressure-screw for clothes-wringers. Nos. 51,204-5; Aug. 28; v. 241; p. 1133.
- Henel, Edward, Elizabeth, N. J. Poison-bottle. No. 51,593; Dec. 18; v. 245; p. 815.
- Henry R. Worthington, Inc. (See Towle, Elton L., assignor.)
- Henry, William D., Manhasset, N. Y. Paper sheet or similar article. No. 50,386; Feb. 27; v. 235; p. 1328.
- Herbert, Max, New York, N. Y. Support for trays or similar articles. No. 51,315; Oct. 2; v. 243; p. 211.
- Herrick, Gerardus P., New York, N. Y. Tread for rubber tires. No. 50,655; Apr. 24; v. 237; p. 1200.
- Hersey & Co., A. H. (See Sanford, Andrew J., assignor.)
- Hester, Charles R., New York, N. Y. Hat-display stand. No. 51,316; Oct. 2; v. 243; p. 211.
- Hozinger, Hugo L., Ewing, Mo. Rope curtain. No. 51,121; Aug. 7; v. 241; p. 278.
- Hibbard, Spencer, Bartlett & Company. (See Stewart, Pritchard, assignor.)
- Hibben, Samuel G., Pittsburgh, Pa. Lamp-globe. No. 51,497; Nov. 20; v. 244; p. 798.
- Hickson, Richard J., New York, N. Y. Garment for ladies. Nos. 50,574-8; Apr. 10; v. 237; pp. 596-7.

Alphabetical list of patentees of designs—Continued.

- Hildebrandt, John H., Salina, Kans. Hammer-head. No. 50,556; Apr. 3; v. 237; p. 288.
- Hill, Nathaniel W., Brooklyn, N. Y. Game-board. No. 51,416; Oct. 23; v. 243; p. 1045.
- Hillbom, Henrik, assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Spoon, fork, or similar article. No. 50,579; Apr. 10; v. 237; p. 597.
- Hillbom, Henrik, assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Spoon, fork, or similar article. No. 50,972; June 26; v. 239; p. 1189.
- Hillbom, Henrik, assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Tea-pot or similar article. No. 51,379; Oct. 16; v. 243; p. 771.
- Hillbom, Henrik, assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Spoon, fork, or similar article. No. 51,431; Oct. 23; v. 243; p. 1048.
- Hincks, Elizabeth T., Cambridge, Mass. Mitten. No. 50,445; Mar. 13; v. 236; p. 576.
- Hincks, Elizabeth T., Cambridge, Mass. Child's outer garment. No. 51,303; Sept. 25; v. 242; p. 974.
- Hine, Cicero, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Talking-machine cabinet. Nos. 51,334-41; Oct. 9; v. 243; pp. 498-500.
- Hirsch, Adolf, New York, N. Y. Flag. No. 51,342; Oct. 9; v. 243; p. 500.
- Hobbs, Frank C., New York, N. Y., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Ceiling-plate. No. 50,201; Jan. 16; v. 234; p. 1032.
- Hobbs Wall Paper Company. (See Ericson and Weiss, assignors.)
- Hobbs Wall Paper Company. (See Fauser, Gustave M., assignor.)
- Hobe, William W., New York, N. Y. Button. No. 50,656; Apr. 24; v. 237; p. 1200.
- Hoche, Edmund S., assignor to The Automatic Recording Safe Company, Chicago, Ill. Clock-bank case. Nos. 50,724-50; May 8; v. 238; p. 617-23.
- Hoche, Edmund S., assignor to The Automatic Recording Safe Company, Chicago, Ill. Clock-bank case. Nos. 50,984-94; July 3; v. 240; pp. 310-12.
- Hochriem, Gustav F. (See Paupa and Hochriem.)
- Hocking Glass Company, The. (See Barbiers, Ferd S., assignor.)
- Hoeveler, John A., Chicago, Ill. Reflector. Nos. 50,130-1; Jan. 2; v. 234; pp. 347-8.
- Hoevet, Alfred T. (See Gray and Hoevet.)
- Hoffman, Edmund, Brooklyn, assignor to American Can Company, New York, N. Y. Powder-box. No. 50,973; June 26; v. 239; p. 1189.
- Hoffman, Edmund, Brooklyn, assignor to American Can Company, New York, N. Y. Powder-box. No. 51,066; July 24; v. 240; p. 1145.
- Holley, Bertha H., New York, N. Y. Garment for women. No. 50,622; Apr. 17; v. 237; p. 898.
- Holman, George W., Des Plaines, assignor to Royal Enameling & Manufacturing Company, Chicago, Ill. Table-top. No. 51,594; Dec. 18; v. 245; p. 815.
- Holyoke Plush Company. (See Jagger, James E., assignor.)
- Hombarger, Herman E. (See Barr, Andrew J., assignor.)
- Hood Rubber Company. (See Frith, Eluc O., assignor.)
- Hookstra, John B. (See Younman, Otto J., assignor.)
- Hopkins, Annie B., Lewistown, Mont. Button. No. 51,122; Aug. 7; v. 241; p. 278.
- Hopkins, Arthur T., Cleveland, Ohio, assignor to The Mechanical Rubber Company. Playing-ball. No. 51,176; Aug. 21; v. 241; p. 891.
- Hopkinson, Ernest, New York, N. Y. Tire. No. 50,202; Jan. 16; v. 234; p. 1032.
- Hopkinson, Joseph, assignor to The Computing Scale Company, Dayton, Ohio. Scale-casing. No. 50,417; Mar. 6; v. 236; p. 254.
- Horsman, Edward L., Jr., New York, N. Y. Doll. Nos. 50,657-8; Apr. 24; v. 237; p. 1200.
- Horton, William M., Cleveland, Ohio. Flag carrier and illuminating device for motor-vehicles. No. 51,177; Aug. 21; v. 241; p. 891.
- Hotchkiss, Vail & Garrison Company, The. (See Baker, Stephen D., assignor.)
- Hotpoint Electric Heating Company. (See Falkenberg, Bjarne, assignor.)
- Hough, Azel C., Janesville, Wis. Porch-shade. No. 50,203; Jan. 16; v. 234; p. 1032.
- House, Albert H., O. W. Olmsted, Windsor, and W. L. Gumprecht, assignors to The Auto Equipment Company, Hartford, Conn. Automobile-indicator. No. 50,418; Mar. 6; v. 236; p. 254.
- Howard, Frank H., Reading, Pa. Chain-welding-machine frame. No. 51,282; Sept. 18; v. 242; p. 728.
- Howarth, Alfred T., Worcester, Mass. Pin or similar article. No. 50,659; Apr. 24; v. 237; p. 1200.
- Howe, Charles H., Plainfield, N. J., assignor to Alpha Gamma Delta Fraternity, Syracuse, N. Y. Recognition pin or badge. No. 51,163; Aug. 14; v. 241; p. 597.
- Hoyer, Edward J. (See Seror and Hoyer.)
- Hoyle, Thomas, assignor to Jewelers Auto Emblem Manufacturing Co., Providence, R. I. Emblem. No. 51,096; July 31; v. 240; p. 1434.
- Hoyt, Fred, Seattle, assignor to Universal High Power Telephone Co., King county, Wash. Combined jardinière and grafanola stand. No. 50,419; Mar. 6; v. 236; p. 255.
- Huband, Alfred E., Naugatuck, Conn. Mucilage-bottle and brush-cleaner. No. 50,974; June 26; v. 239; p. 1189.
- Hudson, Bywater, St. Paul, Minn. Herring-bone grass floor-covering. No. 50,909; June 12; v. 239; p. 626.
- Humphrey, Alfred H., New York, N. Y. Gas-stove. Nos. 51,557-8; Dec. 11; v. 245; p. 530.
- Humphrey, Alfred H., New York, N. Y. Gas-stove. No. 51,595; Dec. 18; v. 245; p. 815.
- Humphrey, Herbert S., Kalamazoo, Mich. Casing for water-heaters. No. 50,839; May 29; v. 238; p. 1613.
- Humphreys, Harry, Lancaster, assignor to Armstrong Cork Company, Pittsburgh, Pa. Linoleum, oil-cloth, or floor-covering. Nos. 50,780-5; May 15; v. 238; pp. 955-6.
- Hunold, Ernest, Providence, R. I. Foot-plate for skates. No. 50,580; Apr. 10; v. 237; p. 597.
- Hunold, Ernest, Providence, R. I. Heel-plate for skates. No. 50,811; May 22; v. 238; p. 1308.
- Hunold, Ernest, Providence, R. I. Skate-blade. No. 50,943; June 19; v. 239; p. 914.
- Hunter, Wilber E., Morgantown, W. Va. Goblet. No. 50,687; May 1; v. 238; p. 280.
- Hunter, Wilber E., Morgantown, W. Va. Goblet. No. 50,751; May 8; v. 238; p. 623.
- Hunter, Wilber E., Morgantown, W. Va. Goblet or similar article. No. 50,786; May 15; v. 238; p. 956.
- Hunter, Wilber E., Morgantown, W. Va. Goblet. No. 50,812; May 22; v. 238; p. 1308.
- Hunter, William E., Chicago, Ill. Nut-bowl. No. 50,271; Feb. 6; v. 235; p. 301.
- Hurst, George S., assignor to The J. B. Williams Company, Glastonbury, Conn. Label. No. 50,892; June 5; v. 239; p. 293.
- Hutchinson, Joseph T., and V. Shaw, Vancouver, British Columbia, Canada. Glazing-bar. No. 51,484; Nov. 13; v. 244; p. 541.
- Hyatt, Frederick E., St. Davids, assignor to The Keystone Watch Case Company, Philadelphia, Pa. Watchcase. Nos. 50,910-11; June 12; v. 239; p. 626.
- Hyatt, Frederick E., St. Davids, assignor to The Keystone Watch Case Company, Philadelphia, Pa. Watchcase. Nos. 50,944-5; June 19; v. 239; p. 914.
- Inflexible Co. (See Schwarber, Henry, assignor.)
- Insull & Crabb. (See Crabb, Frederick G., assignor.)
- International Silver Co. (See Kintz, Alfred G., assignor.)
- International Silver Co. (See Kintz, Robert R., assignor.)
- International Silver Co. (See Farrett, Arthur A., assignor.)
- International Silver Co. (See Prétat, Frederick E., assignor.)
- International Silver Co. (See Shanley, Thomas A., assignor.)
- International Silver Co. (See Stohr, Samuel, assignor.)
- International Silver Co. (See Strohaker, Gustave, assignor.)
- Isko, Incorporated. (See McCuen, Charles L., assignor.)
- Ittig, George P., assignor to W. D. Smith Silver Company, Bridgeport, Conn. Chop-dish or similar article. No. 50,132; Jan. 2; v. 234; p. 348.
- Ittig, George P., assignor to W. D. Smith Silver Company, Bridgeport, Conn. Platter or similar article. No. 50,387; Feb. 27; v. 235; p. 1328.
- J. B. Williams Company, The. (See Hurst, George S., assignor.)
- J. B. Williams Company, The. (See Williams, Philip K., assignor.)
- J. E. Mergott Company, The. (See Fuller, Franz A., assignor.)
- J. H. White Manufacturing Company. (See Kahns, Walter R., assignor.)
- Jacobs, Arthur E., Cleveland, Ohio. Bell-shaped base for a phonograph. No. 51,596; Dec. 18; v. 245; p. 815.
- Jacobs, Jacob A., St. Louis, Mo. Finger-ring. Nos. 51,067-8; July 24; v. 240; p. 1145.
- Jacobson, Abraham, Chicago, Ill. Ring. No. 51,141; Aug. 14; v. 241; p. 593.
- Jacobson, Abraham, Chicago, Ill. Ring. No. 51,264; Sept. 11; v. 242; p. 493.
- Jacoby, Leo D., assignor to The Sanispoon Company, Boston, Mass. Paper spoon. No. 50,474; Mar. 20; v. 236; p. 872.
- Jacoby, Leo D., Winthrop, assignor to Sanispoon Company, Boston, Mass. Paper spoon. No. 51,597; Dec. 18; v. 245; p. 815.
- Jaenichen, Louis, assignor to The Standard Computing Scale Company, Detroit, Mich. Scale-frame. No. 50,688; May 1; v. 238; p. 280.
- Jagger, James E., assignor to Holyoke Plush Company, Holyoke, Mass. Woven fabric. No. 51,417; Oct. 23; v. 243; p. 1045.
- Jameson, William A., Niagara Falls, N. Y. Handle for a spoon, fork, or similar article. Nos. 50,660-1; Apr. 24; v. 237; p. 1201.
- Janette, John T., Chicago, Ill. Casing for air-pumps. No. 50,149; Jan. 9; v. 234; p. 653.
- Janette, John T., Chicago, Ill. Casing for air pumps and filters. No. 50,150; Jan. 9; v. 234; p. 653.
- Jansen, Alfred W., Brooklyn, N. Y. Washstand. No. 50,272; Feb. 6; v. 235; p. 301.
- Jansen, Alfred W., Brooklyn, N. Y. Nursery-crib. No. 50,273; Feb. 6; v. 235; p. 302.
- Jansen, Alfred W., Brooklyn, N. Y. Nursery play-yard. No. 50,274; Feb. 6; v. 235; p. 302.

- Jansen, Alfred W., Brooklyn, N. Y. Nursery-wardrobe. No. 50,275; Feb. 6; v. 235; p. 302.
- Jeckert, Joseph F., Garfield, N. J. Smoker's outfit. No. 51,380; Oct. 16; v. 243; p. 771.
- Jenkins, Ida M., Prineville, Oreg. Broom attachment. No. 50,308; Feb. 13; v. 235; p. 667.
- Jenks, Barton P., assignor to Gorham Manufacturing Company, Providence, R. I. Handle for a spoon, fork, or similar article. No. 50,802; May 15; v. 238; p. 959.
- Jenks, Barton P., assignor to Gorham Manufacturing Company, Providence, R. I. Handle for spoons, forks, or similar articles. No. 51,381; Oct. 16; v. 243; p. 771.
- Jewelers Auto Emblem Manufacturing Co. (See Hoyle, Thomas, assignor.)
- Johanson, Emil G., Chicago, Ill. Headlight-lens. No. 50,511; Mar. 27; v. 236; p. 1192.
- Johanson, Emil G., assignor to D. H. Roblin, Chicago, Ill. Prism-glass. No. 50,420; Mar. 6; v. 236; p. 255.
- John C. Dettra & Company. (See Campbell, Charles L., assignor.)
- John W. Brown Manufacturing Company, The. (See Brown and McCullough, assignors.)
- Johns, Ellwood C., Jersey City, N. J., assignor to Gold Car Heating & Lighting Company, New York, N. Y. Casing for thermostats. No. 50,787; May 15; v. 238; p. 956.
- Johns, Ellwood C., Jersey City, N. J., assignor to Gold Car Heating & Lighting Company, New York, N. Y. Casing for thermostats. No. 51,304; Sept. 25; v. 242; p. 974.
- Johnson, Edele M. (See Nordman, Hannah, assignor.)
- Johnson, Edward H., Binghamton, N. Y. Spoon. No. 50,133; Jan. 2; v. 234; p. 348.
- Johnson, Ernest S., Waterloo, Iowa. Check and deposit-slip tray. No. 50,788; May 15; v. 238; p. 956.
- Johnson, John E., Lewisburg, W. Va. Poison-bottle. No. 50,421; Mar. 6; v. 236; p. 255.
- Johnson, John E., Lewisburg, W. Va. Poison-bottle. No. 51,142; Aug. 14; v. 241; p. 593.
- Johnson, Stephens & Shinkle Shoe Company. (See Spalsbury, Charles B., assignor.)
- Johnston, Alexander, assignor to The North British Rubber Co. Ltd., Edinburgh, Scotland. Golf-ball. No. 50,512; Mar. 27; v. 236; p. 1192.
- Jones, Charles E., Chicago, Ill. Clamp for light-reflecting bowls. Nos. 50,513-14; Mar. 27; v. 236; p. 1192.
- Jones, Charles E., Chicago, Ill. Candle-arm for light-reflecting bowls. No. 50,515; Mar. 27; v. 236; p. 1193.
- Jones, Charles E., Chicago, Ill. Arm for chandeliers and brackets. Nos. 50,516-20; Mar. 27; v. 236; p. 1193.
- Jones, Charles E., Chicago, Ill. Clamp and candle-arm for light-reflecting bowls. No. 50,521; Mar. 27; v. 236; p. 1194.
- Jones, Charles E., Chicago, Ill. Hanger for light-reflecting bowls. Nos. 50,522-3; Mar. 27; v. 236; p. 1194.
- Jones, Charles E., Chicago, Ill. Gravity-clamp for light-reflecting bowls. No. 50,689; May 1; v. 238; p. 280.
- Jones, Charles E., Chicago, Ill. Rosette-clamp for light-reflecting bowls. No. 50,690; May 1; v. 238; p. 280.
- Jones, Charles E., Chicago, Ill. Chain-support for chandeliers. No. 50,691; May 1; v. 238; p. 280.
- Jones, Charles E., Chicago, Ill. Extension-bracket for lighting-fixtures. No. 50,692; May 1; v. 238; p. 280.
- Jones, Charles E., Chicago, Ill. Electric-bracket back. No. 50,693; May 1; v. 238; p. 281.
- Jones, Charles E., Chicago, Ill. Clamp for light-reflecting bowls. Nos. 50,694-5; May 1; v. 238; p. 281.
- Jones, Charles E., Chicago, Ill. Scroll-clamp for light-reflecting bowls. No. 50,696; May 1; v. 238; p. 281.
- Jones, Charles E., Chicago, Ill. Arm for chandeliers or brackets. No. 50,697; May 1; v. 238; p. 281.
- Jones, Charles E., Chicago, Ill. Bracket-arm for lighting-fixtures. No. 50,698; May 1; v. 238; p. 281.
- Jones, Charles E., Chicago, Ill. Clamp for light-reflecting bowls. Nos. 50,813-14; May 22; v. 238; p. 1308.
- Jones, Charles E., Chicago, Ill. Body for an oval bracket-back. No. 50,872; June 5; v. 239; p. 289.
- Jones, Charles E., Chicago, Ill. Husk for lighting-fixtures. No. 51,382; Oct. 16; v. 243; p. 772.
- Jones, Charles E., Chicago, Ill. Clamp for calcite mushroom bowls. No. 51,383; Oct. 16; v. 243; p. 772.
- Jones, Charles E., Chicago, Ill. Ornament for bracket-backs. No. 51,384; Oct. 16; v. 243; p. 772.
- Jones, Charles E., Chicago, Ill. Arm-pocket for oval bracket-backs. No. 51,385; Oct. 16; v. 243; p. 772.
- Jones, Eugene A., Los Angeles, Cal. Tire. No. 50,873; June 5; v. 239; p. 290.
- Jones, Joseph W., Pelham, assignor to James Motrola, Inc., New York, N. Y. Casing for winding attachments for talking-machines. No. 50,388; Feb. 27; v. 235; p. 1329.
- Jones Motrola, Inc. (See Jones, Joseph W., assignor.)
- Jordan, Howell, Los Angeles, Cal. Combined car-handle and shield. No. 50,446; Mar. 13; v. 236; p. 576.
- Joseph A. Morris & Co. (See McGowan, Florence, assignor.)
- Joseph Fahys & Company. (See Kaupmann, Frederick, assignor.)
- Joseph Fahys & Company. (See O'Brien, Harry B., assignor.)
- Josiah Wedgwood & Sons. (See Goodwin, John E., assignor.)
- Joslin, Clarence W., Cleveland, Ohio, assignor to Mechanical Rubber Company. Jar-ring. No. 50,389; Feb. 27; v. 235; p. 1329.
- Jungers, John, Grafton, Wis. Range. No. 50,789; May 15; v. 238; p. 957.
- Kahns, Walter R., Chicago, Ill., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Candle-cup for lighting-fixtures. No. 50,524; Mar. 27; v. 236; p. 1194.
- Kahns, Walter R., Chicago, Ill., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Hanger-hook for light-reflecting bowls. No. 50,525; Mar. 27; v. 236; p. 1194.
- Kane, Gladys C., Washington, D. C. Combination flower-holder and dress-protector. No. 51,305; Sept. 25; v. 242; p. 975.
- Katz, Julius, Providence, R. I. Ring. No. 50,447; Mar. 13; v. 236; p. 576.
- Kaupmann, Frederick, Brooklyn, assignor to Joseph Fahys & Company, New York, N. Y. Hand-mirror and similar article. No. 51,458; Nov. 6; v. 244; p. 268.
- Kavanagh, Gardner C., and W. G. Winterbotham, Rochester, assignors to American Piano Company, New York, N. Y. Piano-case. Nos. 51,485-6; Nov. 13; v. 244; p. 541.
- Keaton, Robert H., San Francisco, Cal. Vehicle-tire. No. 50,134; Jan. 2; v. 234; p. 348.
- Keaton, Robert H., San Francisco, Cal. Automobile-tire. No. 50,352; Feb. 20; v. 235; p. 1025.
- Kéfer, Ghislaine, New York, N. Y. Badge. No. 51,306; Sept. 25; v. 242; p. 975.
- Kehl, Frank E., assignor to The Dan Patch Novelty Company, Connerville, Ind. Vehicle. No. 50,475; Mar. 20; v. 236; p. 872.
- Kehler, James H. (See Forbell, Charles H., assignor.)
- Keiper, Henry B., Lancaster, Pa. Machine frame or standard for cream-separators. No. 51,498; Nov. 20; v. 244; p. 798.
- Kelley, Edward E., West Falmouth, Mass. Ice-cream-cone holder. No. 50,276; Feb. 6; v. 235; p. 302.
- Kelley, Howard J., and C. H. Garrett, Jr., Kansas City, Mo.; said Garrett assignor to said Kelley. Aeroplane. No. 50,912; June 12; v. 239; p. 626.
- Kelly, Edward J., and E. A. Ford, New York, N. Y. Book stone or stop. Nos. 51,178-9; Aug. 21; v. 241; p. 891.
- Kelton, Thaddeus W., Van Buren, Ark. Dental cabinet. No. 51,016; July 10; v. 240; p. 618.
- Kepler, Fredrick L., New York, N. Y. Ash-tray. No. 50,390; Feb. 27; v. 235; p. 1329.
- Kern, George, Peru, Ill. Casing for vending-machines. No. 50,699; May 1; v. 238; p. 281.
- Keystone Type Foundry. (See Burfeind, Richard F., assignor.)
- Keystone Watch Case Company, The. (See Hyatt, Frederick E., assignor.)
- Kielar, Stanislaw, Milwaukee, Wis. Rolling-pin. No. 51,070; July 24; v. 240; p. 1146.
- Kilker, John E., and C. W. Dake, assignors to Pyle National Electric Headlight Company, Chicago, Ill. Headlight-casing. No. 50,623; Apr. 17; v. 237; p. 898.
- Kimpton, Charles F., assignor to R. H. Kimpton, Brooklyn, N. Y. Moistener for envelopes and other articles. No. 50,309; Feb. 13; v. 235; p. 668.
- Kimpton, Charles F., assignor to R. H. Kimpton, Brooklyn, N. Y. Inkstand. Nos. 50,526-9; Mar. 27; v. 236; pp. 1194-5.
- Kimpton, Haupt & Co. (See Riley, James T., assignor.)
- Kimpton, Ruth H. (See Kimpton, Charles F., assignor.)
- King, Dwight D., Sunbeam, Colo. Lamp. No. 51,143; Aug. 14; v. 241; p. 593.
- King, John C., Dalby, Queensland, Australia. Tag-holder. No. 51,386; Oct. 16; v. 243; p. 772.
- Kintz, Alfred G., Wallingford, assignor to International Silver Co., Meriden, Conn. Dish, plate, or similar article. No. 51,459; Nov. 6; v. 244; p. 268.
- Kintz, Robert R., assignor to International Silver Co., Meriden, Conn. Spoon, fork, or similar article. No. 50,391; Feb. 27; v. 235; p. 1329.
- Kintz, Robert R., assignor to International Silver Co., Meriden, Conn. Spoon. No. 50,422; Mar. 6; v. 236; p. 255.
- Kirby, James B., Cleveland, Ohio. Suction-cleaner casing. No. 50,946; June 19; v. 239; p. 914.
- Kirsch, Francis X., Warwick, N. D. Badge. No. 50,913; June 12; v. 239; p. 626.
- Klagsbrunn, Hugo, assignor to The A. C. Gilbert Company, New Haven, Conn. Toy figure. No. 51,440; Oct. 30; v. 243; p. 1291.
- Klein, Charles J., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Feed-through switch. No. 50,353; Feb. 20; v. 235; p. 1025.
- Kleint, August G., Fort Wayne, Ind. Charm. No. 50,135; Jan. 2; v. 234; p. 348.
- Klima, Louie, Owatonna, Minn. Ventilator. No. 50,624; Apr. 17; v. 237; p. 899.
- Klopfenstein, Clarence B., assignor to Charles L. Archer, Minneapolis, Minn. Tire-tread. No. 51,499; Nov. 20; v. 244; p. 798.
- Koch, Alexander R., assignor to F. Meyer, New York, N. Y. Lace. Nos. 51,265-6; Sept. 11; v. 242; pp. 493-4.
- Koch, Alexander R., assignor to F. Meyer, New York, N. Y. Lace. No. 51,441; Oct. 30; v. 243; p. 1292.

Alphabetical list of patentees of designs—Continued.

- Kocontes, James C., River Forest, Ill. Pneumatic-tire tread. No. 50,840; May 29; v. 238; p. 1614.
- Koehler, Edward, assignor to The Acme Shear Company, Bridgeport, Conn. Pair of shears, scissors, or similar article. No. 51,180; Aug. 21; v. 241; p. 892.
- Kolker, Albert H., Chicago, Ill. Nut-bowl. No. 51,071; July 24; v. 240; p. 1146.
- Koonz, Fred W., assignor to Rogers, Lunt & Bowlen Company, Greenfield, Mass. Spoon, fork, or similar article. No. 50,581; Apr. 10; v. 237; p. 597.
- Kopp, Nicholas, Pittsburgh, Pa. Shade. Nos. 50,947-8; June 19; v. 239; p. 914.
- Kopriwa, Emanuel, assignor to E. Kopriwa Company, Chicago, Ill. Standard for a lamp or similar article. No. 51,283-4; Sept. 18; v. 242; p. 728.
- Korpi, Hilma, Kinney, Minn. Combination button-hook and bottle-opener. No. 50,949; June 19; v. 239; p. 915.
- Kraft, Henry P., Ridgewood, N. J. Dust-cap for valves. No. 51,526; Nov. 27; v. 244; p. 1067.
- Krantz, Edward, Chicago, Ill. Casing for a carpet-cleaner. No. 50,310; Feb. 13; v. 235; p. 668.
- Kreitlein, George F., (See Rigdon, Samuel G., assignor.)
- Kremer, Gustav, Paterson, N. J. Hat-band. No. 50,136; Jan. 2; v. 234; p. 349.
- Kuenz, Joseph A., Toledo, Ohio. Radiator-core. No. 50,204; Jan. 16; v. 234; p. 1033.
- Kuhn, Frank, and F. E. Shalor, assignors to American Electrical Heater Company, Detroit, Mich. Electric heater. No. 50,244; Jan. 30; v. 234; p. 1555.
- Kunkel, Benjamin H., Lemoyne, Pa. Necktie. No. 50,752; May 8; v. 238; p. 623.
- L. D. Caulk Co., The. (See Grier, Frank L., assignor.)
- La France Novelty Co. (See Elisinger, Ernest F., assignor.)
- La Jole, Herbert J., Orange, N. J., assignor to The Auto-piano Company. Piano-case. No. 50,277; Feb. 6; v. 235; p. 302.
- Lacouture, Henry C., Arlington, N. J., assignor to Bigelow Hartford Carpet Company. Rug. No. 51,017; July 10; v. 240; p. 618.
- Lambert, Charles R., assignor to The Clayton & Lambert Manufacturing Company, Detroit, Mich. Blow-torch. No. 50,557; Apr. 3; v. 237; p. 288.
- Lamont, Charles T., Milwaukee, Wis. Horn. No. 50,753; May 8; v. 238; p. 624.
- Lamont, Charles T., Milwaukee, Wis. Horn. No. 51,181; Aug. 21; v. 241; p. 892.
- Lamparter, J. W. (See Ebeling, Phillip, assignor.)
- Lamson & Goodnow Manufacturing Company. (See Rowland, Arthur J., assignor.)
- Lancaster Glass Company, The. (See Martin, Lucien B., assignor.)
- Lancaster Tire & Rubber Company, The. (See Breitenstein, Arthur L., assignor.)
- Landers, Frary & Clark. (See Curtiss, George E., assignor.)
- Landon, Chauncey L., Akron, Ohio. Tire-tread. No. 51,418; Oct. 23; v. 243; p. 1045.
- Landwehr, Henry A., Los Angeles, Cal. Lighting-standard and lamp. No. 50,530; Mar. 27; v. 236; p. 1195.
- Langfelder, Frederick, assignor to Morimura Bros., New York, N. Y. Doll. No. 51,387; Oct. 16; v. 243; p. 772.
- Larrabee, William M., Waupun, Wis. Collar-button. No. 50,476; Mar. 20; v. 236; p. 872.
- Lawson Manufacturing Company. (See Parisen, Robert T., assignor.)
- Lawton, Frederick T., North Easton, Mass. Register-cord hanger. No. 50,311; Feb. 13; v. 235; p. 668.
- Layman, Hebron R., assignor to The Layman Pressed Rod Company, Inc., New York, N. Y. Connecting-rod. No. 50,754; May 8; v. 238; p. 624.
- Layman Pressed Rod Company, The. (See Layman, Hebron B., assignor.)
- Leaver, Iris W., Brighton, England. Emblem or badge or emblematical device. No. 51,343; Oct. 9; v. 243; p. 501.
- Lebolt & Company. (See Lebolt, Myer H., assignor.)
- Lebolt, Myer H., assignor to Lebolt & Company, Chicago, Ill. Fork. No. 51,208; Aug. 28; v. 241; p. 1134.
- Lebolt, Myer H., assignor to Lebolt & Company, Chicago, Ill. Wedding-ring. No. 51,209; Aug. 28; v. 241; p. 1134.
- Lebolt, Myer H., assignor to Messrs. Lebolt & Company, Chicago, Ill. Case and dial for a bracelet-watch. No. 51,539; Dec. 4; v. 245; p. 258.
- Lederer, Irving R., Providence, R. I. Protector for articles to be worn on the wrist. No. 51,182; Aug. 21; v. 241; p. 892.
- Lee, Elmo W., Tamaroa, Ill. China-cabinet. No. 51,432; Oct. 23; v. 243; p. 1048.
- Lee, Herbert, Carthage, S. D. Poison-bottle. No. 50,815; May 22; v. 238; p. 1309.
- Lee, William E., Columbus, Ohio. Wind-wheel. No. 51,235; Sept. 4; v. 242; p. 234.
- Lefever, Charles F., assignor to Daisy Manufacturing Company, Plymouth, Mich. Pistol. No. 50,354; Feb. 20; v. 235; p. 1025.
- Lehman, Max R., Quincy, Ill. Stove. Nos. 51,344-5; Oct. 9; v. 243; p. 501.
- Lehmer, William, Philadelphia, Pa. Badge or insignia. No. 50,582; Apr. 10; v. 237; p. 597.
- Lehr, Louis, Bayonne, N. J. Badge, button, finger-ring, scarf-pin, or similar article. No. 50,995; July 3; v. 240; p. 312.
- Levi, Samuel J., Birmingham, England. Protector for articles to be worn on the wrist. No. 50,558; Apr. 3; v. 237; p. 288.
- Lewis, George H., Chicopee Falls, Mass. Tire-tread. No. 51,346; Oct. 9; v. 243; p. 501.
- Lewis, Harvey, Chicago, Ill. Bread receptacle or server. No. 50,996; July 3; v. 240; p. 312.
- Lienesch, Walter H., Chicago, Ill. Sign-post. No. 50,392; Feb. 27; v. 235; p. 1329.
- Lighting Corporation, The. (See Robb and Young, assignors.)
- Lindeberg, Harrie T., New York, N. Y. Gate. No. 51,500; Nov. 20; v. 244; p. 798.
- Long, Auburn E., Kokomo, Ind. Headlight-lens for automobiles and other vehicles. No. 51,527; Nov. 27; v. 244; p. 1067.
- Long, Frederick L., Cedargrove, N. J., assignor to National School Camp Association, Inc., New York, N. Y. Badge or button. No. 50,893; June 3; v. 239; p. 293.
- Long, Harry, Kokomo, Ind. Headlight-lens for automobiles and other vehicles. No. 51,598; Dec. 18; v. 245; p. 816.
- Loomis, Harry T., Brooklyn, N. Y. Textile fabric. No. 51,419; Oct. 23; v. 243; p. 1045.
- Loomis, Henry R., Providence, R. I. Pin. No. 50,950; June 19; v. 239; p. 915.
- Low, Frank. (See Gebhart, John C., assignor.)
- Lucas, Philip G., Jr., St. Louis, Mo. Minnow-bucket or similar article. No. 50,755; May 8; v. 238; p. 624.
- Luminous Unit Company. (See Guth, Edwin F., assignor.)
- Luminous Unit Company. (See Guth, Oscar D., assignor.)
- Lund, Carl, Port Orchard, Wash. Kettle-spout. No. 50,625; Apr. 17; v. 237; p. 899.
- Lunt, George C., Greenfield, Mass. Spoon, fork, or similar article. No. 50,951; June 19; v. 239; p. 915.
- Luttringhaus, Walter, Maywood, Ill. Coffee-pot. No. 50,756; May 8; v. 238; p. 624.
- Luttringhaus, Walter, Maywood, Ill. Tea-kettle. Nos. 51,144-6; Aug. 14; v. 241; pp. 593-4.
- Luttringhaus, Walter, Maywood, Ill. Percolator. No. 51,147; Aug. 14; v. 241; p. 594.
- Ma Loney, Mato F., Atlantic Beach, Fla. Hat-holder. No. 51,018; July 10; v. 240; p. 618.
- Maass, Ernesto, San Antonio, Tex. Game hexagonal board. No. 51,599; Dec. 18; v. 245; p. 816.
- MacLachlan, Lachlan, Grand Rapids, Mich. Casing for sound-producing instruments. Nos. 51,501-3; Nov. 20; v. 244; pp. 798-9.
- Mackemer, Eli M. (See Mackemer, Frank L. and E. M.)
- Mackemer, Frank L., Peoria, and E. M. Mackemer, Galesburg, Ill. Automobile-body. No. 50,218; Jan. 23; v. 234; p. 1289.
- Mackemer, Frank L., Peoria, and E. M. Mackemer, Galesburg, Ill. Automobile-body. No. 50,448; Mar. 13; v. 236; p. 577.
- Madson, Nellie, Iroquois, S. D. Toasting-spoon. No. 50,393; Feb. 27; v. 235; p. 1329.
- Maerz, Frederick K., assignor to Scott-Ullman Company, Cleveland, Ohio. Lamp-stand. No. 50,874; June 5; v. 239; p. 290.
- Maerz, Frederick K., assignor to The Scott-Ullman Company, Cleveland, Ohio. Lighting-fixture. Nos. 50,997-9; July 3; v. 240; p. 313.
- Maguire, John W., assignor to The Brunswick-Balke-Colender Company, Chicago, Ill. Tire-tread. No. 51,528; Nov. 27; v. 244; p. 1067.
- Majestic Electric Development Company. (See Brown, Edmund N., assignor.)
- Major, Alfred S., assignor to American Bank Note Company, New York, N. Y. Bank-note. Nos. 50,816-17; May 22; v. 238; p. 1309.
- Major, Alfred S., assignor to American Bank Note Company, New York, N. Y. Bank-note. No. 51,317; Oct. 2; v. 243; p. 211.
- Malleable Iron Fittings Company. (See Pickop, George B., assignor.)
- Mallinson & Co., H. R. (See Hanson, Eugene L., assignor.)
- Mallinson & Co., H. R. (See Hanson and Schey, assignors.)
- Malmquist, Carl W., Wallingford, assignor to Waterbury Mfg. Co., Waterbury, Conn. Spoon, fork, or similar article. Nos. 51,460-1; Nov. 6; v. 244; p. 269.
- Malmquist, William, assignor to Simeon L. and George H. Rogers Co., Wallingford, Conn. Spoon, fork, or similar article. No. 50,626; Apr. 17; v. 237; p. 899.
- Manchester, Albert T., North Providence, R. I. Frame of a child's vehicle. No. 50,394; Feb. 27; v. 235; p. 1330.
- Manz Engraving Company. (See Voges, Paul, assignor.)
- Mapel, Lewis A., assignor to Mechanical Development Company, St. Louis, Mo. Gage-casing. No. 51,285; Sept. 18; v. 242; p. 728.
- Marcus, Dora G., New York, N. Y. Pillow-slip and pillow. No. 50,583; Apr. 10; v. 237; p. 597.
- Marg, Nicholas, Flushing, N. Y. Button. No. 51,318; Oct. 2; v. 243; p. 211.
- Martin, Haakon A., assignor to The National Cash Register Company, Dayton, Ohio. Register cabinet or casing. No. 50,841; May 23; v. 238; p. 1614.
- Martin, Joseph B., Brookline, Mass. Spark-plug cleaner. No. 51,529; Nov. 27; v. 244; p. 1068.
- Martin, Lucien B., assignor to The Lancaster Glass Company, Lancaster, Ohio. Lens for motor-car lamps. No. 50,559; Apr. 3; v. 237; p. 288.

- Martin, Roy W., Milwaukee, Wis. Cross-bar for architects' levels. No. 50,584; Apr. 10; v. 237; p. 598.
- Mason, Charles T., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Distributer-block for ignition devices. No. 51,183; Aug. 21; v. 241; p. 892.
- Mason, Charles T., Sumter, S. C., assignor to Splitdorf Electrical Company, Newark, N. J. Distributer-block for ignition devices. No. 51,442; Oct. 30; v. 243; p. 1292.
- Masterson, Howard, Bozeman, Mont. Traffic-signal. No. 51,347; Oct. 9; v. 243; p. 501.
- Matisse, Albert and C., New York, N. Y. Lens. No. 51,000; July 3; v. 240; p. 313.
- Matisse, Carlo. (See Matisse, Albert and C.)
- Mayfair, Inc. (See Murphy, Sarah L., assignor.)
- McAdow, Charles E., Jersey City, N. J. Casing for combined vending and weighing machines. No. 50,205; Jan. 16; v. 234; p. 1033.
- McAdow, Charles E., Jersey City, N. J. Casing for combined vending and weighing machines. No. 50,312; Feb. 13; v. 235; p. 668.
- McBreen, Leon K., Seattle, Wash. Automatic water-gate casing. No. 51,020; July 10; v. 240; p. 619.
- McCabe, William, New York, N. Y., assignor to Bigelow Hartford Carpet Company. Rug. Nos. 51,600-1; Dec. 18; v. 245; p. 816.
- McClure, Clarence M., assignor to Frederick Stearns & Co., Detroit, Mich. Bottle. No. 50,395; Feb. 27; v. 235; p. 1330.
- McConnell, Mary E. D., New York, N. Y. Doll. No. 50,313; Feb. 13; v. 235; p. 668.
- McCorkle, Donald H., Berkeley, Cal. Gas-heater grill. No. 50,790; May 15; v. 238; p. 957.
- McCormick, Thomas J., New York, N. Y. Rocking-chair. No. 50,875; June 5; v. 239; p. 290.
- McCuen, Charles L., assignor to Isko, Incorporated, Detroit, Mich. Fly-wheel or similar device. No. 51,236; Sept. 4; v. 242; p. 234.
- McCullough, Lester. (See Brown and McCullough.)
- McDougall, Charles P., Frankfort, Ind. Paneled portion of articles of furniture. No. 50,456; Mar. 13; v. 236; p. 578.
- McFaddin, Harrison D., East Orange, N. J. Ornamental lamp shade, globe, or reflector. No. 51,530; Nov. 27; v. 244; p. 1068.
- McFarren, Rolandus O., *et al.* (See Shoup, Elmer, assignor.)
- McGovern, Bernard J., assignor to Bastran Brothers Co., Rochester, N. Y. Pinwheel. No. 51,348; Oct. 9; v. 243; p. 502.
- McGowan, Florence, Brooklyn, assignor to Joseph A. Morris & Co., New York, N. Y. Combined dress and knitting bag. No. 51,602; Dec. 18; v. 245; p. 816.
- McKee Glass Company. (See Smith, Maurice A., assignor.)
- McKenzie, Beatrice E., Wilmette, Ill. Statuette. No. 51,307; Sept. 25; v. 242; p. 975.
- McKinnon, Hugh, Truro, Nova Scotia, Canada. Wallpaper. No. 50,137; Jan. 2; v. 234; p. 349.
- McKinstry, Samuel D., Seattle, Wash. Candy. No. 51,504; Nov. 20; v. 244; p. 799.
- McKone, Charles W., assignor to The Gordon Tire & Rubber Company, Canton, Ohio. Automobile-tire. No. 51,184; Aug. 21; v. 241; p. 893.
- McLaughlin, William H., assignor, by mesne assignments, to C. S. Chase, Hartford, Conn. Antiskid device. No. 51,462; Nov. 6; v. 244; p. 269.
- McLoughlin, Francis J., Brooklyn, N. Y. Rosary-medal. No. 50,894; June 5; v. 239; p. 294.
- McMahon, Thomas J., Brooklyn, N. Y. Curtain. No. 50,757; May 8; v. 238; p. 624.
- McMillan, John W. (See Barnard and McMillan.)
- McPhaden, Alexander, assignor of one-half to E. K. Aanonsen and one-half to J. T. Sandberg, Chicago, Ill. Pocket deposit-receptacle. No. 50,842; May 29; v. 238; p. 1614.
- Mechanical Development Company. (See Mapel, Lewis A., assignor.)
- Mechanical Rubber Company, The. (See Beynon, Rees, assignor.)
- Mechanical Rubber Company, The. (See Hopkins, Arthur T., assignor.)
- Mechanical Rubber Company. (See Joslin, Clarence W., assignor.)
- Melio, James, Chicago, Ill. Emblem or insignia. No. 51,019; July 10; v. 240; p. 619.
- Mell, Tod J., Youngstown, Ohio, assignor to Perfection Tire & Rubber Company, Chicago, Ill. Tire-tread. No. 51,072; July 24; v. 240; p. 1146.
- Mendenhall, John J., Clearwater, Fla. Grape-fruit, paring, and coring knife. No. 50,278; Feb. 6; v. 235; p. 302.
- Merriam, Joseph G., Meriden, Conn. Phonograph turntable. Nos. 51,603-4; Dec. 18; v. 245; pp. 816-17.
- Merrill, Elizabeth E., Los Angeles, Cal. Hawaiian doll. No. 50,330; Feb. 13; v. 235; p. 672.
- Merrill, Elizabeth E., Los Angeles, Cal. Nurse-doll. No. 50,477; Mar. 20; v. 236; p. 872.
- Meyer, Felix. (See Koch, Alexander R., assignor.)
- Meyer, Felix. (See Rieger, Ida P., assignor.)
- Meyercord Company, The. (See Gerlach, Alfred H., assignor.)
- Michelin Tire Company. (See Hauvette-Michelin, Jules, assignor.)
- Miller, Jennie, Austin, Tex. Dish-scalding device. No. 50,818; May 22; v. 238; p. 1309.
- Miller, John E., assignor to The Duncan & Miller Glass Company, Washington, Pa. Glass vessel. Nos. 50,396-400; Feb. 27; v. 235; pp. 1330-1.
- Miller, John E., assignor to The Duncan & Miller Glass Company, Washington, Pa. Glass plate. No. 50,401; Feb. 27; v. 235; p. 1331.
- Miller, John E., assignor to The Duncan & Miller Glass Company, Washington, Pa. Goblet. No. 50,402; Feb. 27; v. 235; p. 1331.
- Mills, Herbert S., Oak Park, Ill. Casing for weighing-scales. No. 50,206; Jan. 16; v. 234; p. 1033.
- Mills, Herbert S., Oak Park, Ill. Casing for weighing-scales. No. 50,246; Jan. 30; v. 234; p. 1556.
- Mitchell Vance Company, The. (See Barrows and Strahan, assignors.)
- Miyahara, Masaichi, Los Angeles, Cal. Bath-tub. No. 51,506; Nov. 20; v. 244; p. 799.
- Moe, Aaron B., Lombard, Ill., assignor to Otis & Moe Manufacturing Company. Poultry-fountain. No. 50,700; May 1; v. 238; p. 282.
- Moffatt, Maud A., Dorchester, Mass. Candy-box. No. 50,791; May 15; v. 238; p. 957.
- Moffatt, John A., Hamilton, Ontario, Canada. Plumb-bob. No. 51,420; Oct. 23; v. 243; p. 1045.
- Mohr, Otto H., Oakland, Cal., assignor to Ohm Co., Chicago, Ill. Lighting-fixture. Nos. 51,021-2; July 10; v. 240; p. 619.
- Mohr, William H., Reading, Pa. Cemetery flower-vase. No. 50,279; Feb. 6; v. 235; p. 303.
- Mohrmann, Paul, assignor to Friedley Voshardt Co., Chicago, Ill. Bracket-back for lighting-fixtures. No. 50,207; Jan. 16; v. 234; p. 1033.
- Mohrmann, Paul, assignor to Friedley Voshardt Co., Chicago, Ill. Bracket-back for lighting-fixtures. No. 50,531; Mar. 27; v. 236; p. 1196.
- Mohrmann, Paul, assignor to Friedley Voshardt Co., Chicago, Ill. Lighting-fixture. Nos. 50,532-3; Mar. 27; v. 236; p. 1196.
- Mohrmann, Paul, assignor to Friedley Voshardt Co., Chicago, Ill. Lighting-fixture. Nos. 51,044-5; July 17; v. 240; p. 913.
- Molholt, Andrew C., Kenosha, Wis. Watch-fob, watch-charm, brooch, breastpin, or similar article. No. 51,210; Aug. 28; v. 241; p. 1134.
- Monaghan, John S., assignor to German-American Button Company, Rochester, N. Y. Button. Nos. 50,843-6; May 29; v. 238; pp. 1614-15.
- Monaghan, John S., assignor to German-American Button Company, Rochester, N. Y. Button. No. 51,123; Aug. 7; v. 241; p. 278.
- Monkhouse, Frederick C., assignor to Bastian Brothers Co., Rochester, N. Y. Finger-ring. No. 51,505; Nov. 20; v. 244; p. 799.
- Monsarrat, Jane M., Providence, R. I. Work bag or basket. No. 51,237; Sept. 4; v. 242; p. 234.
- Montgomery, Alice, Menlo Park, and F. K. Reynolds, San Francisco, Cal. Doll. No. 51,349; Oct. 9; v. 243; p. 502.
- Montgomery, Robert J., assignor to Sanitax Brush Company, Chicago, Ill. Shampoo-brush. No. 51,319; Oct. 2; v. 243; p. 211.
- Moore Brothers Company. (See Moore, Lewis, assignor.)
- Moore, Carrie P., Bon Air, Va. Flag. No. 51,443; Oct. 30; v. 243; p. 1292.
- Moore, Lewis, assignor to Moore Brothers Company, Joliet, Ill. Stove. No. 51,605; Dec. 18; v. 245; p. 817.
- Moore, William G., Miami, Fla. Two-wheeled automobile. No. 50,280; Feb. 6; v. 235; p. 303.
- Moore, William G., Miami, Fla. Frame for a two-wheeled automobile. No. 50,662; Apr. 24; v. 237; p. 1201.
- Moore, William J. P., New York, N. Y. Automobile-body. No. 50,952-3; June 19; v. 239; p. 915.
- Morimura Bros. (See Langfelder, Frederick, assignor.)
- Morimura Bros. (See Soga, Toshio, assignor.)
- Morris, William H., Rosindale, Mass. Nut-bowl. No. 51,148; Aug. 14; v. 241; p. 594.
- Morse, Amelia, New York, N. Y. Girl doll. No. 50,314; Feb. 13; v. 235; p. 669.
- Morse, Amelia, New York, N. Y. Boy doll. No. 50,315; Feb. 13; v. 235; p. 669.
- Morse, Amelia, New York, N. Y. Figure toy. No. 50,316-20; Feb. 13; v. 235; pp. 669-70.
- Morse, Leo, New York, N. Y. Figure toy. No. 51,023; July 10; v. 240; p. 619.
- Morse, Leo, New York, N. Y. Sifter-box or similar article. No. 51,024; July 10; v. 240; p. 619.
- Morse, Leo, New York, N. Y. Wheeled figure toy. No. 51,097; July 31; v. 240; p. 1435.
- Mortimer, John N., Lakewood, assignor to The Central Brass Manufacturing Company, Cleveland, Ohio. Plumbing-fixture. No. 50,151; Jan. 9; v. 234; p. 653.
- Moulton, George D., Melrose, Mass. Statuette. No. 51,073; July 24; v. 240; p. 1146.
- Moxie Company, The. (See Archer, Frank M., assignor.)
- Moyer, Horace C., Oak Park, assignor to The Windsor Furniture Company, Chicago, Ill. Phonograph-cabinet. Nos. 50,478-84; Mar. 20; v. 236; pp. 873-4.
- Moyssiades, Constantine A., South Bethlehem, Pa. Statue. Nos. 51,074-5; July 24; v. 240; pp. 1146-7.
- Mueller, Henry J., St. Joseph, Mo. Candy lozenge. No. 51,628; Dec. 25; v. 245; p. 1007.

Alphabetical list of patentees of designs—Continued.

- Murphy, Sarah L., assignor to Mayfair, Inc., New York, N. Y. Pin-holder. No. 51,606; Dec. 18; v. 245; p. 817.
- Murray, John W., Buffalo, N. Y. Glass dish. No. 50,485; Mar. 20; v. 236; p. 874.
- Musliner, Louis M., New York, N. Y. Article of manufacture. No. 50,663; Apr. 24; v. 237; p. 1201.
- Mutual Motor Stores Company, The. (See Breitenstein, Arthur, assignor.)
- Nadler, Maurice L., New York, N. Y. Quilt. No. 50,954; June 19; v. 239; p. 915.
- Nash, Arthur J., New York, N. Y. Flower-holder. No. 50,664; Apr. 24; v. 237; p. 1201.
- Nathan, Benjamin, New York, N. Y. Textile fabric. No. 51,149; Aug. 14; v. 241; p. 594.
- Nathan, Benjamin, New York, N. Y. Textile fabric. No. 51,320; Oct. 2; v. 243; p. 211.
- National Advertising Co., The. (See Baitinger, George J., assignor.)
- National Cash Register Company, The. (See Martin, Haakon A., assignor.)
- National Electric Headlight Company. (See Kilker and Duke, assignors.)
- National School Camp Association. (See Long, Frederick L., assignor.)
- National X-Ray Reflector Co. (See Snow, Wilmer S., assignor.)
- Neikirk, John O., Lombard, Ill. Draft-gear yoke. No. 51,531; Nov. 27; v. 244; p. 1068.
- Nekarda, Mabel D., New York, N. Y. Button. No. 50,819; May 22; v. 238; p. 1309.
- Neubert, Friedrich M. A., Dresden, Germany. Automatic salesman for cigarettes. No. 50,355; Feb. 20; v. 235; p. 1026.
- Neustadter Bros. (See Ballin, Maurice, assignor.)
- Nevin, Frederic E., et al. (See Singer, Joseph, assignor.)
- New Jersey Patent Company. (See French, William A., assignor.)
- Newell, Nora, New York, N. Y. Picture or photograph frame. No. 51,286; Sept. 18; v. 242; p. 729.
- Nobbytoy Company. (See Hammock, Claude S., assignor.)
- Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Handle for spoons or analogous articles. No. 50,792; May 15; v. 238; p. 957.
- Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Handle for spoons or analogous articles. No. 51,076; July 24; v. 240; p. 1147.
- Noke, Charles J., Stoke-upon-Trent, England, assignor to William S. Pitcairn Corporation, New York, N. Y. Plate or similar article. Nos. 50,423-4; Mar. 6; v. 236; pp. 255-6.
- Norcross, Orlando W., Worcester, Mass. Shelter-shed. No. 50,281; Feb. 6; v. 235; p. 303.
- Norden, Joseph. (See Norden, Mortimer, assignor.)
- Norden, Mortimer, assignor to J. Norden, New York, N. Y. Electric sign. No. 50,356; Feb. 20; v. 235; p. 1026.
- Nordman, Hannah, Seattle, assignor to one-half to E. M. Johnson, King county, Wash. Warming-oven. No. 50,627; Apr. 17; v. 237; p. 899.
- Norris, Albert F., Stoughton, and C. H. Norris, Boston, Mass. Pedal. No. 51,238; Sept. 4; v. 242; p. 234.
- Norris, Clifton H. (See Norris, Albert F., assignor.)
- Norstrand, Hans F. G. (See Sard and Norstrand.)
- North American Lace Company. (See Watters, Charles J., assignor.)
- North British Rubber Co. (See Johnston, Alexander, assignor.)
- Norton, William H., New York, N. Y. Wall-paper or similar article of manufacture. No. 51,421; Oct. 23; v. 243; p. 1046.
- Norwalk Tire and Rubber Company, The. (See Spence, David, assignor.)
- O'Brien, Harry B., Sag Harbor, assignor to Joseph Fahys & Company, New York, N. Y. Spoon, fork, and the like. No. 50,321; Feb. 13; v. 235; p. 670.
- O'Brien, John C., assignor to Eisenstadt Manufacturing Company, St. Louis, Mo. Bracelet. No. 51,487; Nov. 13; v. 244; p. 542.
- O'Donnell, Thomas, Ironwood, Mich. Electric-light fixture. No. 50,138; Jan. 2; v. 234; p. 349.
- O'Leary, William J., Montreal, Quebec, Canada. Casing for electric fan and motor or similar article. No. 51,098; July 31; v. 240; p. 1435.
- Odell, George W., South Bend, Ind. Tire-casing. No. 50,282; Feb. 6; v. 235; p. 303.
- Ohm Co. (See Mohr, Otto H., assignor.)
- Old Colony Advertising Company. (See Baumlley, Irving, assignor.)
- Oliver, Marion F., Berkeley, Cal. Tire. No. 50,793; May 15; v. 238; p. 957.
- Olariu, Anton, Philadelphia, Pa. Shoe. No. 51,388; Oct. 16; v. 243; p. 773.
- Olmsted, Osmond W. (See House, Olmsted, and Gumprecht.)
- Oneida Community. (See Allen, Grosvenor N., assignor.)
- Ono, Koh, New York, N. Y. Vanity-case. No. 50,963; June 19; v. 239; p. 917.
- Ostrom, Albert, Elkhart, Ind. Milk-bottle holder and ticket-rack. No. 50,975; June 26; v. 239; p. 1189.
- Otis & Moe Manufacturing Company. (See Moe, Aaron B., assignor.)
- Ott, Charles B., Woodlawn, assignor to Eagle Glass & Manufacturing Company, Wellsburg, W. Va. Light-bowl. No. 50,955; June 19; v. 239; p. 916.
- Our Heroes Corporation. (See Fyscher, Maximilian, assignor.)
- Overton, Samuel E., South Haven, Mich. Corner-post for cabinets and other furniture. No. 50,425; Mar. 6; v. 236; p. 256.
- Overturf, John W., Billings, Mont. Combined pipe cleaner and tamp and match-striker. No. 51,422; Oct. 23; v. 243; p. 1046.
- Ovida Company. (See Perfillat, Marie, assignor.)
- Owen, Raymond V., St. Louis, Mo., assignor to Gillinder Brothers, Port Jervis, N. Y. Ornamental lighting-fixture. Nos. 51,077-8; July 24; v. 240; p. 1147.
- Owens, William H., Muskogee, Okla. Tire-tread. No. 51,423; Oct. 23; v. 243; p. 1046.
- Page, Herman C., Newark, N. J., assignor to The Remington Arms Union Metallic Cartridge Company, Incorporated, New York, N. Y. Badge. Nos. 51,211-13; Aug. 23; v. 241; p. 1134.
- Pairpoint Corporation, The. (See Cary, Floyd F., assignor.)
- Palm Brothers Company, The. (See De Ville, Walter, assignor.)
- Palm Brothers Company, The. (See Erlebach, Robert, assignor.)
- Parisen, Robert T., assignor to Lawson Manufacturing Company, Pittsburgh, Pa. Top for gas-stoves. No. 50,701; May 1; v. 238; p. 282.
- Parnall, Archie E., Chicago, Ill. Talking-machine cabinet. No. 50,139; Jan. 2; v. 234; p. 349.
- Parnall, Archie E., assignor to F. W. Williams, Chicago, Ill. Phonograph-cabinet. No. 51,507; Nov. 20; v. 244; p. 800.
- Parrett, Arthur A., assignor to International Silver Co., Meriden, Conn. Spoon, fork, or similar article. No. 51,185; Aug. 21; v. 241; p. 893.
- Parrett, Dent, Chicago, Ill., assignor to Parrett Tractor Company. Frame for tractors. No. 51,424; Oct. 23; v. 243; p. 1046.
- Parrett Tractor Company. (See Parrett, Dent, assignor.)
- Parton, Henry W., assignor to Alexander Smith & Sons Carpet Company, Yonkers, N. Y. Rug. No. 50,426; Mar. 6; v. 236; p. 256.
- Patent Novelty Company. (See Reimer, George H., assignor.)
- Pathé Frères Phonograph Company. (See Widmann, Eugene A., assignor.)
- Pattee, Herbert H., New York, N. Y. Badge. No. 51,267; Sept. 11; v. 242; p. 494.
- Paul, William C., Newark, N. J. Non-glare lamp-casing. Nos. 50,758-9; May 8; v. 238; p. 625.
- Paupa, Joseph, and G. F. Hochriem, Chicago, Ill. Vending-machine casing. Nos. 51,889-90; Oct. 16; v. 243; p. 773.
- Payne, Samuel T., and J. P. Tarbox, Buffalo, N. Y., assignors to Curtiss Aeroplane & Motor Corporation. Name-plate. No. 50,585; Apr. 10; v. 237; p. 598.
- Pearce, A. Lincoln, Philadelphia, Pa. Tire-tread. No. 51,391; Oct. 16; v. 243; p. 773.
- Pearson, William, Kalispell, Mont. Clothes-pin. No. 51,186; Aug. 21; v. 241; p. 893.
- Peck, Eugene H., New York, N. Y., assignor to The Phoenix Glass Co. Globe. No. 50,208; Jan. 16; v. 234; p. 1034.
- Peet, Walter F., Philadelphia, Pa. Paper-clip. No. 50,283; Feb. 6; v. 235; p. 303.
- Pelletier, Frank D., Kansas City, Mo. Electric-light wall-costumer. No. 51,392; Oct. 16; v. 243; p. 774.
- Pelton, Chauncy R. (See Crane and Pelton.)
- Pelton, Clyde S., Cleveland Heights, assignor to The Perfection Spring Service Company, Cleveland, Ohio. Vehicle-heater casing. No. 50,534; Mar. 27; v. 236; p. 1196.
- Perfection Spring Service Company, The. (See Pelton, Clyde S., assignor.)
- Perfection Tire & Rubber Company. (See Mell, Tod J., assignor.)
- Perillat, Marie, assignor to Ovida Company, Inc., New York, N. Y. Reducing-brassière. No. 50,702; May 1; v. 238; p. 282.
- Perkins, Edward L., et al. (See Fisk, Willard C., assignor.)
- Petty, R. C. (See Vaughn, William T., assignor.)
- Pezuto, Peter, Philadelphia, Pa. Balancing toy. No. 51,321; Oct. 2; v. 243; p. 212.
- Pfeffer, Genevieve, San Jose, Cal. Doll. No. 51,559; Dec. 11; v. 245; p. 530.
- Phelan, William L., New York, N. Y. Wall-cabinet. No. 50,209; Jan. 16; v. 234; p. 1034.
- Phillipson, Sam, St. Louis, Mo. Advertising menu-frame. No. 50,914; June 12; v. 239; p. 627.
- Phinney, Frank E., Riverside, Cal. Patriotic badge. No. 51,046; July 17; v. 240; p. 914.
- Phoenix Glass Co., The. (See Peck, Eugene H., assignor.)
- Phoenix Glass Company. (See Pickhardt, Harry, assignor.)
- Picault, Edmond, Stoke-upon-Trent, England, assignor to William S. Pitcairn Corporation, New York, N. Y. Plate or similar article. No. 50,486; Mar. 20; v. 236; p. 874.
- Pickhardt, Harry, New York, N. Y., assignor to The Phoenix Glass Company, Pittsburgh, Pa. Nitrogen-lamp unit. No. 50,427; Mar. 6; v. 236; p. 256.

- Pickop, George B., assignor to Malleable Iron Fittings Company, New Haven, Conn. Vibrator-body. No. 51,607; Dec. 18; v. 245; p. 817.
- Pierce, Byron A., Providence, R. I. Emblem or similar article. No. 51,099; July 31; v. 240; p. 1435.
- Pierson, Robert M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pneumatic tire. No. 50,956; June 19; v. 239; p. 916.
- Pierson, Robert M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pneumatic tire. Nos. 50,976-7; June 26; v. 239; p. 1190.
- Piper, Alfred H., Wolstanton, England, assignor to E. B. Dickinson, New York, N. Y. Plate or similar article. Nos. 50,428-30; Mar. 6; v. 236; pp. 256-7.
- Pitts, Walter C., Philadelphia, Pa., assignor, by mesne assignments, to Solophone Company, Jersey City, N. J. Phonograph-cabinet. Nos. 50,449-50; Mar. 13; v. 236; p. 577.
- Pittsburg Water Heater Company. (See Backstrom, Charles A., assignor.)
- Pittsburgh Lamp, Brass & Glass Company. (See Yokel, Frank, assignor.)
- Pittsburgh Toy Vehicle Company. (See Case, Homer W., assignor.)
- Plaisted, William M., Larchmont, assignor to Hazelton Brothers, New York, N. Y. Piano-case. No. 50,794; May 15; v. 238; p. 958.
- Plaisted, William M., Larchmont, assignor to Hazelton Brothers, New York, N. Y. Player-piano case. No. 50,795; May 15; v. 238; p. 958.
- Plaisted, William M., Larchmont, assignor to Hazelton Brothers, New York, N. Y. Piano-case. No. 50,796; May 15; v. 238; p. 958.
- Plaisted, William M., Larchmont, assignor to Hazelton Brothers, New York, N. Y. Player-piano case. No. 50,797; May 15; v. 238; p. 958.
- Plaut, Herman, New York, N. Y. Artificial-light shade. Nos. 51,150-2; Aug. 14; v. 241; pp. 594-5.
- Pleasants, Arthur H., Baltimore, Md. Indicator-hand for computers, guide maps, charts, and similar devices. No. 50,847; May 29; v. 238; p. 1615.
- Plimpton, William W., Providence, R. I. Game-board. No. 50,403; Feb. 27; v. 235; p. 1332.
- Ploetz, George B., New York, N. Y. Spoon. No. 50,628; Apr. 17; v. 237; p. 900.
- Plym, Francis J., Niles, Mich. Threshold-plate. No. 51,508; Nov. 20; v. 244; p. 800.
- Plym, Francis J., Niles, Mich. Weather-strip for casement-openings. No. 51,509; Nov. 20; v. 244; p. 800.
- Poe, Robert L., Chicago, Ill. Talking-machine cabinet. No. 51,540; Dec. 4; v. 245; p. 258.
- Poehlmann, Andrew T., Caponsville, Md. Knob for signal-bells. No. 50,665; Apr. 24; v. 237; p. 1201.
- Pohlman, Arthur E., Watertown, Wis. Emblem. No. 50,798; May 15; v. 238; p. 958.
- Polacheck, William, assignor to Chas. Polacheck & Bro. Co., Milwaukee, Wis. Light-fixture. Nos. 50,247-8; Jan. 30; v. 234; p. 1556.
- Porter & Dyson Company, The. (See Dyson, George H., assignor.)
- Posedel, Michael. (See Reamer and Posedel.)
- Power, J. W. (See Stacey, Frank W., assignor.)
- Prétat, Frederick E., Waterbury, assignor to International Silver Co., Meriden, Conn. Spoon, fork, or similar article. No. 50,586; Apr. 10; v. 237; p. 598.
- Provance, David F., New Castle, assignor to H. C. Fry Glass Company, Rochester, Pa. Glass article. Nos. 50,357-9; Feb. 20; v. 235; p. 1026.
- Przeplorka, Stanislaw, Medina, N. Y. Combined pistol and saber. No. 50,629; Apr. 17; v. 237; p. 900.
- Purver, George M., Brooklyn, N. Y. Wrist-watch holder. No. 51,239; Sept. 4; v. 242; p. 235.
- Qualwasser, Simson. (See Gavurin and Qualwasser.)
- Queisser, Robert L., East Cleveland, Ohio. Watch-fob or similar article. No. 51,463; Nov. 6; v. 244; p. 269.
- Queisser, Robert L., East Cleveland, Ohio. Flag, pennant, sign, emblem, or articles of a similar nature. No. 51,464; Nov. 6; v. 244; p. 269.
- Quigley, Eugene, chancellor. (See Brown, Kenneth W., assignor.)
- R. Wallace & Sons Mfg. Co. (See Hillbom, Henrik, assignor.)
- R. Wallace & Sons Mfg. Co. (See Wilkes, Samuel C., assignor.)
- Racine Rubber Company. (See Vance, Louis T., assignor.)
- Rahn, Jesse, Florence, Kans. Article-holder. No. 50,404; Feb. 27; v. 235; p. 1332.
- Ramsberger, Elmer F., Philadelphia, Pa. Badge or medal. No. 50,957; June 19; v. 239; p. 916.
- Ramsberger, Elmer F., Philadelphia, Pa. Seal finger-ring. No. 51,047; July 17; v. 240; p. 914.
- Rasmussen, Martin, Racine, Wis. Broom-clamp. No. 50,630; Apr. 17; v. 237; p. 900.
- Rastija, Jozo, Akron, Ohio. Shrine. No. 51,240; Sept. 4; v. 242; p. 235.
- Rathbone Sard Electric Company. (See Sard and Norstrand, assignors.)
- Rauber, Charles S., assignor to Hauser Machine & Manufacturing Co., Inc., Rochester, N. Y. Air-pump casing. No. 51,532; Nov. 27; v. 244; p. 1065.
- Ravert, William L., Hazleton, assignor to Standard Automatic Machine Company, Pittsburgh, Pa. Casing for vending-machines. No. 51,393; Oct. 16; v. 243; p. 774.
- Raymond, Harry K., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Pneumatic tire. No. 50,915; June 12; v. 239; p. 627.
- Raymond, Hoyt, assignor to Vaughan & Bushnell Manufacturing Company, Chicago, Ill. Hammer-head. No. 51,350; Oct. 9; v. 243; p. 502.
- Raymond, Joseph A., Chicago, Ill. Escutcheon. No. 50,219; Jan. 23; v. 234; p. 1290.
- Raymond, Samuel W., Adrian, Mich. Service-station. No. 51,322; Oct. 2; v. 243; p. 212.
- Reamer, James C., and M. Posedel, Seattle, Wash. Child's combination nursery and high chair. No. 50,537; Apr. 10; v. 237; p. 598.
- Reams, Andrew J., Jr., and L. A. Williams, Kalamazoo, Mich. Musical instrument. No. 51,025; July 10; v. 240; p. 620.
- Recker, Adolph C., Oakville, assignor to Waterbury Mfg. Co., Waterbury, Conn. Carbide-carrier. No. 50,140; Jan. 2; v. 234; p. 349.
- Recker, Adolph C., Oakville, assignor to Waterbury Mfg. Co., Waterbury, Conn. Case for vacuum-bottles. Nos. 50,588-9; Apr. 10; v. 237; p. 598.
- Reed & Barton Corporation. (See Feil, Richard, assignor.)
- Reed, George W., Bethlehem, Pa. Button. No. 51,465; Nov. 6; v. 244; p. 270.
- Reed, Pleasant T., assignor to The Ward-Stilson Company, Anderson, Ind. Pennant. No. 51,079; July 24; v. 240; p. 1147.
- Reid, Robert W., Jr., Brooklyn, N. Y. Valve-casing. No. 50,631; Apr. 17; v. 237; p. 900.
- Reimer, George H., assignor to Patent Novelty Company, Fulton, Ill. Kitchen-rack. No. 51,425; Oct. 23; v. 243; p. 1047.
- Reiser, Alfred W., assignor to The Western Gas Fixture Co., Toledo, Ohio. Glass bowl for a lighting-fixture. No. 50,876; June 5; v. 239; p. 290.
- Reiser, Alfred W., assignor to The Western Gas Fixture Co., Toledo, Ohio. Glass shade for electric lights. Nos. 50,877-8; June 5; v. 239; pp. 290-1.
- Reiter, Philip, New York, N. Y. Jewel-mounting link. No. 51,187; Aug. 21; v. 241; p. 893.
- Reizenstein, Charles L., Pittsburgh, Pa. Toilet-bottle. No. 51,560; Dec. 11; v. 245; p. 531.
- Reliance Metal Spinning Company. (See Schwartzman, Benjamin, assignor.)
- Reliance Metal Spinning & Stamping Co. (See Shapiro, Solomon, assignor.)
- Remington Arms Union Metallic Cartridge Company, The. (See Page, Herman C., assignor.)
- Retherford, R. Milton, Muncie, Ind. Cluster-lamp. No. 51,124; Aug. 7; v. 241; p. 279.
- Retherford, Reubin M., Muncie, Ind. Desk-lamp. Nos. 51,026-7; July 10; v. 240; p. 620.
- Revere Rubber Company. (See Sheehan, Alice R., assignor.)
- Reynolds, Charles B., Sawtelle, Cal. Automobile-tire. No. 50,360; Feb. 20; v. 235; p. 1027.
- Reynolds, Emma C., Philadelphia, Pa. Emblem. No. 51,510; Nov. 20; v. 244; p. 800.
- Reynolds, F. K. (See Montgomery and Reynolds.)
- Rice, Jesse L., New York, N. Y. Comb. No. 50,535; Mar. 27; v. 236; p. 1196.
- Richard Auto Mfg. Company, The. (See Richard, François, assignor.)
- Richard, François, Cleveland, Ohio. Automobile-body. No. 50,799; May 15; v. 238; p. 959.
- Richard, François, assignor to The Richard Auto Mfg. Company, Cleveland, Ohio. Automobile-top. No. 51,268; Sept. 11; v. 242; p. 494.
- Richards, Richard O., Huron, S. D. Campaign pin or button. No. 51,511; Nov. 20; v. 244; p. 800.
- Richman, Herman, Mariners Harbor, assignor to L. Straus & Sons, New York, N. Y. Glass article. Nos. 51,028-30; July 10; v. 240; pp. 620-1.
- Richman, Herman, Mariners Harbor, assignor to L. Straus & Sons, New York, N. Y. Cut-glass plate or similar article. No. 51,080; July 24; v. 240; p. 1147.
- Riddell, Robert F., Manhasset, N. Y., assignor to Bigelow Hartford Carpet Company, Rug. No. 50,249; Jan. 30; v. 234; p. 1556.
- Riddell, Robert F., Manhasset, N. Y., assignor to Bigelow Hartford Carpet Company, Rug. Nos. 50,916-19; June 12; v. 239; pp. 627-8.
- Riddell, Robert F., Manhasset, N. Y., assignor to Bigelow Hartford Carpet Company, Rug. No. 50,958; June 19; v. 239; p. 916.
- Ridgway, Edward J., Staten Island, N. Y. Covered dish. No. 50,487; Mar. 20; v. 236; p. 874.
- Ridgway, Edward J., Staten Island, N. Y. Article of manufacture. No. 50,703; May 1; v. 238; p. 232.
- Rieger, Ida P., assignor to F. Meyer, New York, N. Y. Lace. Nos. 50,895-7; June 5; v. 239; p. 294.
- Ries, George A., Oakland, Cal. Toy submarine. No. 51,541; Dec. 4; v. 245; p. 258.
- Rifkin, Isidor J. (See Weiner and Rifkin.)
- Rigdon, Samuel G., assignor to George F. Kreitlein, Indianapolis, Ind. Vehicle-tire tread. No. 51,512; Nov. 20; v. 244; p. 800.
- Riley, James T., Brooklyn, N. Y., assignor to Kimpton, Haupt & Co., New York, N. Y. Inkstand. No. 51,153; Aug. 14; v. 241; p. 595.

Alphabetical list of patentees of designs—Continued.

- Rinken, Peter G., Chicago, Ill. Table-piece for holding flowers. No. 51,081; July 24; v. 240; p. 1148.
- Rixson, Oscar C., New Rochelle, N. Y. Door-hinge. No. 50,978; June 26; v. 239; p. 1190.
- Robb, James T., Bay Shore, and L. W. Young, assignors to The Lighting Corporation, New York, N. Y. Portable lamp. No. 51,269; Sept. 11; v. 242; p. 494.
- Robbins, William A., Glen Ridge, N. J. Automobile-tire. No. 50,361; Feb. 20; v. 235; p. 1027.
- Robert Griffin Co., The. (See Griffin, Robert, assignor.)
- Roblin, David H. (See Johanson, Emil G., assignor.)
- Roby, Harry L., Barnesville, Ohio. Cigar-package. No. 51,214; Aug. 28; v. 241; p. 1134.
- Roeger, Frederick, New York, N. Y. Finger-ring. No. 51,125; Aug. 7; v. 241; p. 279.
- Rogers, Lunt & Bowlen Company. (See Koonz, Fred W., assignor.)
- Rosen, Mayer S., New York, assignor to Emil Grossman Mfg Co. Inc., Brooklyn, N. Y. Mirror-bracket arm. No. 50,250; Jan. 30; v. 234; p. 1556.
- Rosenfeld, Joseph E., Council Bluffs, Iowa, assignor to United States Spot Ground Corporation, Omaha, Nebr. Block-holding frame. No. 51,154; Aug. 14; v. 241; p. 595.
- Rosenfeld, Joseph E., Council Bluffs, Iowa, assignor to United States Spot Ground Corporation, Omaha, Nebr. Frame-block. No. 51,215; Aug. 28; v. 241; p. 1135.
- Ross, Charles J., Oakland, Cal. Toy figure. No. 50,820; May 22; v. 238; p. 1309.
- Rothenberg, Harry, Ridgewood, N. Y. Switch-slide for portable electric lights. No. 51,241; Sept. 4; v. 242; p. 235.
- Rothlisberger, Jacob, Muncie, Ind., assignor to W. D. Smith Silver Co. Spoon, fork, or similar article. No. 50,848; May 29; v. 238; p. 1616.
- Rottweiler, George V., assignor to The Davis Sewing Machine Company, Dayton, Ohio. Bicycle and motorcycle frame. No. 51,323; Oct. 2; v. 243; p. 212.
- Rowland, Arthur J., assignor to Lamson & Goodnow Manufacturing Company, Shelburne Falls, Mass. Fork. No. 50,284; Feb. 6; v. 235; p. 304.
- Royal Enameling & Manufacturing Company. (See Holman, George W., assignor.)
- Ryan, Matthew W., New York, N. Y. Cretonne or other textile fabric. No. 50,632; Apr. 17; v. 237; p. 900.
- Ryan, Matthew W., New York, N. Y. Cretonne or other textile fabric. No. 50,760; May 8; v. 238; p. 625.
- Ryan, Matthew W., New York, N. Y. Cretonne or other textile fabric. Nos. 51,031-3; July 10; v. 240; p. 621.
- Samson, Milton H. (See Bean, Dixon L., assignor.)
- Samstag, Henry F., New York, N. Y. Bathing-cap. Nos. 50,322-3; Feb. 13; v. 235; pp. 670-1.
- Sandberg, Joseph T., et al. (See McPhaden, Alexander, assignor.)
- Sander, Alfred H., Newark, N. J., assignor to Grey Iron Casting Company, Mount Joy, Pa. Toy cradle-bank. No. 50,667; Apr. 24; v. 237; p. 1202.
- Sándor, Andrew, New York, N. Y. Toy. No. 50,405; Feb. 27; v. 235; p. 1332.
- Sanford, Andrew J., assignor to A. H. Hersey & Co., Newark, Ohio. Nappy. No. 50,666; Apr. 24; v. 237; p. 1202.
- Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Basket. No. 51,308; Sept. 25; v. 242; p. 975.
- Sanispoon Company, The. (See Jacoby, Leo D., assignor.)
- Sanitax Brush Company. (See Montgomery, Robert J., assignor.)
- Sapp, Gordon G., Chicago, Ill. Coffee-pot. No. 50,141; Jan. 2; v. 234; p. 350.
- Sard, Russell E., and H. P. G. Norstrand, assignors to Rathbone Sard Electric Company, Inc., Albany, N. Y. Combined kitchen cabinet and range. No. 51,048; July 17; v. 240; p. 914.
- Sargent & Company. (See Sargent, Edward R., assignor.)
- Sargent, Edward R., assignor to Sargent & Company, New Haven, Conn. Casket-handle arm. No. 50,920; June 12; v. 239; p. 628.
- Sauer, Emil G., Richmond Hill, N. Y., assignor to Bigelow Hartford Carpet Company. Rug. No. 51,608; Dec. 18; v. 245; p. 818.
- Savage, Theodore S., Oakland, Cal. Direction-indicator. No. 51,394; Oct. 16; v. 243; p. 774.
- Schofer, Christian E., East Cleveland, Ohio. Tray or receptacle. No. 51,466; Nov. 6; v. 244; p. 270.
- Schey, Robert. (See Hanson and Schey.)
- Schiff, Henry T., Chicago, Ill. Casing for sound-reproducing machines. No. 50,849; May 29; v. 238; p. 1616.
- Schoenmehl, Leonhard, Brooklyn, N. Y. Lamp-shade. No. 51,082; July 24; v. 240; p. 1148.
- Scholle, Charles F., assignor to Elms & Sellon, New York, N. Y. Textile fabric or similar article. No. 51,242; Sept. 4; v. 242; p. 235.
- Schramm, Jacob N., Buffalo, N. Y. Cord holder and cutter. No. 50,362; Feb. 20; v. 235; p. 1027.
- Schupp, George L., Dennison, Ohio. Plate. No. 50,324; Feb. 13; v. 235; p. 671.
- Schwab, Jacob, New York, N. Y. Sample-card. No. 51,100; July 31; v. 240; p. 1435.
- Schwahn, Rudolph A., Eau Claire, Wis. Shield-buckle. No. 50,633; Apr. 17; v. 237; p. 900.
- Schwarber, Henry, Weehawken, assignor to Inflexible Co., West New York, N. J. Embroidered lace. Nos. 50,325-6; Feb. 13; v. 235; p. 671.
- Schwarber, Henry, Weehawken, assignor to Inflexible Co., West New York, N. J. Embroidered lace. Nos. 51,101-2; July 31; v. 240; p. 1435.
- Schwarber, Henry, Weehawken, assignor to Inflexible Co., West New York, N. J. Embroidered lace. Nos. 51,287-8; Sept. 18; v. 242; p. 729.
- Schwarber, Henry, Weehawken, N. J., assignor to Inflexible Co., West New York, N. J. Embroidered lace. Nos. 51,513-15; Nov. 20; v. 244; p. 801.
- Schwartzberg, Alter L., Shreveport, La. Cake of soap. No. 50,285; Feb. 6; v. 235; p. 304.
- Schwartzberg, Alter L., Shreveport, La. Bar of soap. No. 51,395; Oct. 16; v. 243; p. 774.
- Schwartzman, Benjamin, Brooklyn, assignor to Reliance Metal Spinning Company, New York, N. Y. Canopy for gas and electric fixtures. No. 50,634; Apr. 17; v. 237; p. 901.
- Schweitzer, Ernest J. (See Wagner and Schweitzer.)
- Schweizer, Gottfried E., Bridgeport, Conn. Rear-end signal device for automobiles. No. 50,921; June 12; v. 239; p. 628.
- Schwinn, Frederick, Attleboro, Mass. Spoon, fork, or similar article. Nos. 51,896-7; Oct. 16; v. 243; pp. 774-5.
- Scott-Ullman Company. (See Maerz, Frederick K., assignor.)
- Scully, John J., assignor to American Graphophone Company, Bridgeport, Conn. Sound-box. No. 51,609; Dec. 18; v. 245; p. 818.
- Sears, Roebuck and Company. (See Caron, Arthur J., assignor.)
- Sebring, Oliver H., Sebring, Ohio. Cream-pitcher or similar article. No. 50,761; May 8; v. 238; p. 625.
- Sebring, Oliver H., Sebring, Ohio. Sugar-bowl or similar article. No. 50,821; May 22; v. 238; p. 1310.
- Segal, Herman, New York, N. Y. Tone-arm for talking-machines. No. 51,001; July 3; v. 240; p. 314.
- Segal, Samuel, assignor to Burglar Proof Lock and Hardware Corporation, New York, N. Y. Lock-casing. No. 50,286; Feb. 6; v. 235; p. 304.
- Sells, Nellie, Columbus, Ohio. Toy. Nos. 51,610-11; Dec. 18; v. 245; p. 818.
- Senenbaugh, Samuel S., Aurora, Ill. Spoon. No. 51,049; July 17; v. 240; p. 914.
- Seror, Albert Z., and E. J. Hoyer, Chicago, Ill. Fan. No. 51,270; Sept. 11; v. 242; p. 494.
- Shailor, Frank E. (See Kuhn and Shailor.)
- Shanley, Thomas A., assignor to International Silver Co., Meriden, Conn. Glass vessel or similar article. No. 50,959; June 19; v. 239; p. 916.
- Shapiro & Aronson. (See Westphal, Gottfried, assignor.)
- Shapiro, Solomon, assignor to Reliance Metal Spinning & Stamping Co., Inc., New York, N. Y. Shower-plate for gas and electric fixtures. No. 50,287; Feb. 6; v. 235; p. 304.
- Sharp, Elmer R., Davenport, Iowa. Vending-machine casing. No. 51,243; Sept. 4; v. 242; p. 235.
- Shaw, Vernon. (See Hutchinson and Shaw.)
- Sheble, Horace, assignor to Domestic Talking Machine Corporation, Philadelphia, Pa. Phonograph-cabinet. No. 50,210; Jan. 16; v. 234; p. 1034.
- Sheble, Horace, assignor to Domestic Talking Machine Corporation, Philadelphia, Pa. Phonograph-cabinet. Nos. 50,363-4; Feb. 20; v. 235; p. 1027.
- Sheehan, Alice R., Providence, R. I., assignor to Revere Rubber Company. Bathing-cap. No. 51,398; Oct. 16; v. 243; p. 775.
- Sheff, William, New York, N. Y. Ring. No. 50,762; May 8; v. 238; p. 625.
- Sherbondy, William E., Cleveland, Ohio. Vacuum-cleaner casing. No. 51,444; Oct. 30; v. 243; p. 1292.
- Sherman, Arthur D., Albany, N. Y. Note-book. No. 50,251; Jan. 30; v. 234; p. 1557.
- Shetler, Walter M., Litchfield, Nebr. Pair of forceps. No. 50,879; June 5; v. 239; p. 291.
- Shibley, Edward H., St. Paul, Minn. Dental sanitary fountain. No. 51,289; Sept. 18; v. 242; p. 729.
- Shoup, Elmer, Winesburg, assignor of one-third to R. O. McFarren, Massillon, and one-third to J. E. Arnold, Mount Hope, Ohio. Reflector for moving-picture-machine light. No. 50,142; Jan. 2; v. 234; p. 350.
- Shuttleworth Bros. Co. (See Walker, William, assignor.)
- Siebert, Rudolph, assignor to German-American Button Company, Rochester, N. Y. Button. Nos. 50,850-1; May 29; v. 238; p. 1616.
- Siegel, Samuel, New York, N. Y. Toy savings-bank. No. 50,560; Apr. 3; v. 237; p. 289.
- Silver, Conover T., New York, N. Y. Automobile-top. No. 50,252; Jan. 30; v. 234; p. 1557.
- Silver, Conover T., New York, N. Y. Automobile-radiator. No. 50,253; Jan. 30; v. 234; p. 1557.
- Silver, Conover T., New York, N. Y. Automobile-radiator. No. 50,406; Feb. 27; v. 235; p. 1332.
- Simeon L. and George H. Rogers Co. (See Malmquist, William, assignor.)
- Simms, Charles F., Attleboro, Mass. Cut-out border for precious-metal ware. No. 50,635; Apr. 17; v. 237; p. 901.
- Simms, Charles F., assignor to The Watson Company, Attleboro, Mass. Spoon, fork, or similar article. No. 51,216; Aug. 28; v. 241; p. 1135.
- Simms, James N., Chicago, Ill. Clock-case. No. 50,152; Jan. 9; v. 234; p. 654.

- Simons, Herrman, Cincinnati, Ohio. Fish-bowl and support. No. 51,433; Oct. 23; v. 243; p. 1048.
- Singer, Joseph, assignor of one-third to F. E. Nevin and one-third to L. Steinberg, New York, N. Y. Badge or badge-button. No. 51,083; July 24; v. 240; p. 1148.
- Skall, Max A., New York, N. Y. Display-case with mirror. No. 50,268; Feb. 6; v. 235; p. 301.
- Skandora, Jakab, Flint, Mich. Automobile-radiator. No. 50,488; Mar. 20; v. 236; p. 874.
- Skipp, Herbert J. A., East Providence, R. I. Article of manufacture. No. 51,050; July 17; v. 240; p. 915.
- Smith, Charles E., Leamington, Ontario, Canada. Lamp. No. 51,244; Sept. 4; v. 242; p. 235.
- Smith, Clark L., Spokane, Wash. Casket. No. 50,880; June 5; v. 239; p. 291.
- Smith, Elmer J., and H. W. Atkinson, Tarentum, Pa. Lamp-lens. No. 50,922; June 12; v. 239; p. 629.
- Smith, Frederic C., assignor to Waterbury Mfg. Co., Waterbury, Conn. Vacuum water-bottle. No. 51,002; July 3; v. 240; p. 314.
- Smith, Howard S. (See Warner and Smith.)
- Smith, Luther D., assignor to The Standard Electric Stove Company, Toledo, Ohio. Stove. No. 50,245; Jan. 30; v. 234; p. 1555.
- Smith, Maurice A., assignor to McKee Glass Company, Jeannette, Pa. Glass article. No. 50,221; Jan. 23; v. 234; p. 1290.
- Smith, Maurice A., assignor to McKee Glass Company, Jeannette, Pa. Glass article. No. 50,590; Apr. 10; v. 237; p. 599.
- Smith, Maurice A., assignor to McKee Glass Company, Jeannette, Pa. Glass vessel. No. 50,591; Apr. 10; v. 237; p. 599.
- Smith, Maurice A., assignor to McKee Glass Company, Jeannette, Pa. Glass bowl. No. 50,960; June 19; v. 239; p. 917.
- Smith, Samuel B., Cleveland, assignor to The Buckeye Incubator Company, Springfield, Ohio. Brooder-stove. No. 50,763; May 8; v. 238; p. 626.
- Smith, Winfield D., Asbury Park, N. J., and R. J. Bourgeois, Oak Park, assignors to W. D. Smith Silver Company, Chicago, Ill. Teapot or similar article. Nos. 50,764-5; May 8; v. 238; p. 626.
- Snow, Wilmer S., assignor to National X-Ray Reflector Co., Chicago, Ill. Lighting-fixture. No. 51,188; Aug. 21; v. 241; p. 893.
- Société Anonyme des Ateliers Piccard, Pictet & Cie. (See Dufour, Leon, assignor.)
- Soga, Toshio, Brooklyn, assignor to Morimura Bros., New York, N. Y. Animal figure. No. 50,143; Jan. 2; v. 234; p. 350.
- Solms, Martha H., assignor to The Congoleum Company, Philadelphia, Pa. Rug. No. 50,254; Jan. 30; v. 234; p. 1557.
- Solophone Company. (See Pitts, Walter C., assignor.)
- Somerville Stove Works. (See Van Buren, Jafew S., assignor.)
- Sonntag, August, Steinway, assignor to Weiner Brothers, New York, N. Y. Textile fabric. No. 51,290; Sept. 18; v. 242; p. 729.
- Sonora Phonograph Corporation. (See Farb, Pincus, assignor.)
- Sonora Phonograph Corporation. (See Wolff, Joseph, assignor.)
- Sorensen, Ludwig. (See Sprenger and Sorensen.)
- Spalsbury, Charles B., St. Louis, Mo., assignor to Johnson, Stephens & Shinkle Shoe Company. Shoe. No. 50,451; Mar. 13; v. 236; p. 577.
- Spargo, Jesse J., Alford, N. Y. Poison-bottle. No. 50,561; Apr. 3; v. 237; p. 289.
- Speidel, Edwin, Cranston, assignor to Standard Neck-chain Company, Providence, R. I. Link for neck-chains. No. 50,766; May 8; v. 238; p. 626.
- Spence, David, assignor to The Norwalk Tire and Rubber Company, Norwalk, Conn. Tire-tread. No. 50,431; Mar. 6; v. 236; p. 257.
- Spielman, Milton H., Cleveland, Ohio. Frame for a portable electric motor. No. 51,103; July 31; v. 240; p. 1436.
- Splitdorf Electric Company. (See Gilling, Preston E., assignor.)
- Splitdorf Electrical Company. (See Mason, Charles T., assignor.)
- Sprenger, Joseph J., and L. Sorensen, Indianapolis, Ind. Hammer-head. No. 50,407; Feb. 27; v. 235; p. 1332.
- Spring, William A., Brooklyn, N. Y., assignor to Bigelow Hartford Carpet Company. Rug. Nos. 51,612-14; Dec. 18; v. 245; pp. 818-19.
- St. Louis Tin and Sheet Metal Working Company. (See Blanke, Cyrus F., assignor.)
- Stacey, Frank W., assignor to J. W. Power, Seattle, Wash. Automobile-radiator ornament. No. 51,615; Dec. 18; Gaz. vol. 245; p. 819.
- Star, Axel H., assignor to Gorham Manufacturing Company, Providence, R. I. Handle for spoons, forks, or similar articles. No. 50,592; Apr. 10; v. 237; p. 599.
- Stafford, Matilda, Urbandale, Iowa. Pie-holder. No. 50,552; May 29; v. 238; p. 1616.
- Stalder, Edward J., Chicago, Ill. Toothpick-holder. No. 51,104; July 31; v. 240; p. 1436.
- Standard Automatic Machine Company. (See Ravert, William I., assignor.)
- Standard Computing Scale Company, The. (See Jaenichen, Louis, assignor.)
- Standard Electric Stove Company, The. (See Smith, Luther D., assignor.)
- Standard Neckchain Company. (See Speidel, Edwin, assignor.)
- Stanton, Henry L., Chicago, Ill. Savings-bank. No. 51,561; Dec. 11; v. 245; p. 531.
- Stein, Albert, assignor to A. Stein & Company, Chicago, Ill. Display-cabinet for cartons. No. 50,452; Mar. 13; v. 236; p. 578.
- Steinberg, Ludwig, *et al.* (See Singer, Joseph, assignor.)
- Steiner, Anton F. and E. W., Crane, Mo. Circlet. No. 50,668; Apr. 24; v. 237; p. 1202.
- Steiner, Emma W. (See Steiner, Anton F. and E. W.)
- Stelk, John. (See Szameit, Miecislav J., assignor.)
- Stengel, George J., Yonkers, assignor to W. & J. Sloane, New York, N. Y. Carpet, rug, or similar article. No. 51,217; Aug. 28; v. 241; p. 1135.
- Stenotype Company, The. (See Ebelhare and Arvidson, assignors.)
- Stephens, Alois J., Plainfield, N. J. Shade-bracket. No. 50,822; May 22; v. 238; p. 1310.
- Sterling Casket Hardware Company. (See Bailey, George R., assignor.)
- Stetson, John P., assignor to American Lead Pencil Company, New York, N. Y. Display-stand. No. 50,823; May 22; v. 238; p. 1310.
- Stewart, Fritchard, assignor to Hibbard, Spencer, Bartlett & Company, Chicago, Ill. Spoon, fork, or similar article. No. 51,245; Sept. 4; v. 242; p. 236.
- Stewart-Warner Speedometer Corporation. (See Berg, Joseph, assignor.)
- Stimpson, Edwin B., Brooklyn, N. Y. Gromet. Nos. 50,432-5; Mar. 6; v. 236; pp. 257-8.
- Stivers, James J., New York, N. Y. Bank. No. 50,327; Feb. 13; v. 235; p. 671.
- Stohr, Samuel, assignor to International Silver Co., Meriden, Conn. Spoon, fork, or similar article. No. 50,408; Feb. 27; v. 235; p. 1333.
- Stone, Clayton, O., Brooklyn, N. Y. Game-board. No. 51,516; Nov. 20; v. 244; p. 801.
- Strahan, George V. (See Barrows and Strahan.)
- Strahan, George V., Newark, N. J. Automobile-body. Nos. 50,536-7; Mar. 27; v. 236; pp. 1196-7.
- Straus & Sons, L. (See Richman, Herman, assignor.)
- Strickhouser, Carlos, assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Lace trimming. No. 51,562; Dec. 11; v. 245; p. 531.
- Strohhaker, Gustave, Wallingford, assignor to International Silver Co., Meriden, Conn. Spoon, fork, or similar article. No. 51,189; Aug. 21; v. 241; p. 894.
- Stull, James R., Kansas City, Mo. Soap-bubbler. No. 51,488; Nov. 13; v. 244; p. 542.
- Sullivan, Charles L., assignor to Fostoria Glass Company, Moundsville, W. Va. Glass article. No. 50,365; Feb. 20; v. 235; p. 1028.
- Sullivan, Russell P., Pittsburgh, Pa., assignor to The Grant Tire & Rubber Company, Akron, Ohio. Elastic vehicle-tire. No. 51,616; Dec. 18; v. 245; p. 819.
- Sulzbach, Jacob, New York, N. Y. Ribbon. No. 51,445; Oct. 30; v. 243; p. 1292.
- Summers, Eulah M., Birmingham, Ala. Hand-bag. No. 51,351; Oct. 9; v. 243; p. 502.
- Susquehanna Silk Mills. (See Bunting, James H., assignor.)
- Sutton, Ernest S., assignor, by mesne assignments, to E. M. Ford, Jr., Memphis, Tenn. Bottle. No. 51,617; Dec. 18; v. 245; p. 819.
- Swetland, Esther H., North Tonawanda, N. Y. Toy. No. 50,409; Feb. 27; v. 235; p. 1333.
- Swetland, Esther H., North Tonawanda, N. Y. Toy. Nos. 50,853-4; May 29; v. 238; p. 1617.
- Swedy, Abram M., New York, N. Y., assignor to The Autyre Co., Oakville, Conn. Label. No. 51,426; Oct. 23; v. 243; p. 1047.
- Szameit, Miecislav J., assignor of one-half to John Stelk, Chicago, Ill. Badge or emblem. No. 51,427; Oct. 23; v. 243; p. 1047.
- Szopko, Stephen G., New York, N. Y. Toy monkey. No. 51,309; Sept. 25; v. 242; p. 975.
- T. A. Willson & Co. (See Willson, Frederick, assignor.)
- Taft-Peirce Manufacturing Company, The. (See Bryant, Elmer J., assignor.)
- Tarbox, John P. (See Payne and Tarbox.)
- Taylor, Charles L., Pittsburgh, Pa. Store-front. No. 51,399; Oct. 16; v. 243; p. 775.
- Taylor, Halsey W., Warren, Ohio. Bubbling-head for drinking-fountains. No. 51,563; Dec. 11; v. 245; p. 531.
- Teper, Simon, Brooklyn, assignor to Universal Metal Spinning & Stamping Company, New York, N. Y. Light-fixture. No. 50,636; Apr. 17; v. 237; p. 901.
- Terryberry, Herbert R., Grand Rapids, Mich. Badge. No. 50,470; Mar. 20; v. 236; p. 871.
- Thiede, William, New Britain, Conn. Feb. No. 50,824; May 22; v. 238; p. 1310.
- Thomas, Frank M., Catskill, N. Y. Flag, sign, badge, or emblem. No. 51,126; Aug. 7; v. 241; p. 279.
- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Fuse-plug cap. No. 50,366; Feb. 20; v. 235; p. 1028.

Alphabetical list of patentees of designs—Continued.

- Thomas, George B., assignor to The Bryant Electric Company, Bridgeport, Conn. Snap-switch cover. No. 51,271; Sept. 11; v. 242; p. 495.
- Thomas, Harry T., Baltimore, Md. Goblet or similar article. No. 51,003; July 3; v. 240; p. 314.
- Thompson, Arthur S., Ontario, Cal. Show-case. No. 51,155; Aug. 14; v. 241; p. 596.
- Thompson, George, New York, N. Y. Bottle-cap. No. 51,618; Dec. 18; v. 245; p. 819.
- Tiffany & Co. (See Barney, Arthur L., assignor.)
- Tiffany & Co. (See Whitehouse, Frederick W., assignor.)
- Tiller, John F., Washington, D. C. Statuette or similar article. No. 50,669; Apr. 24; v. 237; p. 1202.
- Tilton, George P., Attleboro, Mass. Spoon, fork, or similar article. No. 50,825; May 22; v. 238; p. 1310.
- Tirpak, John, Detroit, Mich. Picture-frame. No. 50,410; Feb. 27; v. 235; p. 1333.
- Titus Blatter & Company. (See Coste, Emile, assignor.)
- Tobey, Fred W., Grand Rapids, Mich., assignor to Alfred J. Brown Seed Co. Cabinet. No. 50,923; June 12; v. 239; p. 629.
- Todd, Libanus M., assignor to Todd Protectograph Company, Rochester, N. Y. Casing for printing apparatus. No. 51,004; July 3; v. 240; p. 314.
- Todd Protectograph Company. (See Todd, Libanus M., assignor.)
- Tolliver, Nannie S., Columbus, Tex. Toy rabbit. No. 50,367; Feb. 20; v. 235; p. 1028.
- Torak, John, Moline, Ill. Plate. No. 50,826; May 22; v. 238; p. 1311.
- Towle, Elton L., Irvington, N. J., assignor to Henry R. Worthington, New York, N. Y. Meter-casing. No. 51,156; Aug. 14; v. 241; p. 596.
- Towle, Eugene A., St. Paul, Minn. Can or similar article. No. 50,453; Mar. 13; v. 236; p. 578.
- Towle Manufacturing Company. (See Nock, Harold E., assignor.)
- Travis, John M., St. Louis, Mo. Syrup-dispensing apparatus. No. 50,222; Jan. 23; v. 234; p. 1290.
- Travis, John M., St. Louis, Mo. Syrup-dispensing apparatus. No. 51,084; July 24; v. 240; p. 1148.
- Travis, John M., St. Louis, Mo. Syrup-dispensing apparatus. No. 51,533; Nov. 27; v. 244; p. 1069.
- Trowbridge, William B., Baldwinville, N. Y. Table-chair. No. 50,767; May 8; v. 238; p. 626.
- Turner, Enid, Los Gatos, Cal. Toy. No. 51,246; Sept. 4; v. 242; p. 336.
- Twombly, W. Irving, New York, N. Y. Covered vehicle-body. No. 50,637; Apr. 17; v. 237; p. 901.
- Uhlemann, William R., Chicago, Ill. Lens-cabinet. No. 51,157; Aug. 14; v. 241; p. 596.
- Ulmer, Harry, assignor to Hardwick & Magee Co., Philadelphia, Pa. Rug. No. 50,800; May 15; v. 238; p. 959.
- Union Caliper Company. (See Ellis, Emory E., assignor.)
- Union Defender Co. (See Elchorn, Frederic W., assignor.)
- Unit Construction Company, The. (See Dalley, Henry A., assignor.)
- United Drug Company. (See Williams, Fred O., assignor.)
- United and Globe Rubber M'fg. Companies. (See Broughton, John S., assignor.)
- United States Glass Company. (See Haley, Reuben, assignor.)
- United States Spot Ground Corporation. (See Rosenfeld, Joseph E., assignor.)
- Universal High Power Telephone Co. (See Hoyt, Fred, assignor.)
- Universal Metal Spinning & Stamping Company. (See Tepler, Simon, assignor.)
- Universal Steel Package Co., The. (See Darley, John W., Jr., assignor.)
- University of Chicago. (See Brown, Harold H., assignor.)
- Vajda, Alex, North Chicago, Ill. Camp-table. No. 50,670; Apr. 24; v. 237; p. 1202.
- Van Buren, Jafew S., Albany, N. Y., assignor to Somerville Stove Works, Somerville, N. J. Coal and gas range. No. 51,467; Nov. 6; v. 244; p. 270.
- Van Gytenbeck, Anthony, Paterson, N. J. Display-tray. No. 51,620; Dec. 18; v. 245; p. 820.
- Van Raalte, Zealie, New York, N. Y. Veiling. No. 50,593; Apr. 10; v. 237; p. 599.
- Vance, Louis T., assignor to Racine Rubber Company, Racine, Wis. Tire-tread. No. 50,961; June 19; v. 239; p. 917.
- Vance, Walter N., Chicago Heights, assignor to Durand Steel Locker Company, Chicago, Ill. Key. No. 51,619; Dec. 18; v. 245; p. 819.
- Vanderlee, Louis G., Cleburne, Tex. Emblem. No. 51,352; Oct. 9; v. 243; p. 503.
- Vaughan & Bushnell Manufacturing Company. (See Raymond, Hoyt, assignor.)
- Vaughn, Francis A., Milwaukee, Wis. Light-fixture. No. 51,085; July 24; v. 240; p. 1149.
- Vaughn, William T., Fort Smith, Ark., assignor of one-half to R. C. Petty, Broken, Okla. Mandolin. No. 50,545; Mar. 27; v. 236; p. 1198.
- Vavra, John J. (See Von Vargyas, Eugene, assignor.)
- Victor Talking Machine Company. (See English, John C., assignor.)
- Vidaver, Nellie B., New York, N. Y. Petticoat. No. 50,436; Mar. 6; v. 236; p. 258.
- Vidaver, Nellie B., New York, N. Y. Petticoat. No. 50,489; Mar. 20; v. 236; p. 875.
- Vivaudou, Victor, New York, N. Y. Powder-can. No. 51,446; Oct. 30; v. 243; p. 1293.
- Voges, Paul, assignor to Manz Engraving Company, Chicago, Ill. Display-card or similar article. No. 50,594; Apr. 10; v. 237; p. 599.
- Volcansek, Edward, Cleveland, Ohio. Combined pistol and sword hilt. No. 50,979; June 26; v. 239; p. 1190.
- Von Carlsberg, John P. C., Worcester, Mass. Reading-stand. No. 51,489; Nov. 13; v. 244; p. 542.
- Von Hartz, Helen, Painesville, Ohio. Lavallière. No. 51,483; Nov. 13; v. 244; p. 541.
- Von Vargyas, Eugene, Washington, D. C. Tread for automobile-tires. No. 50,881; June 5; v. 239; p. 291.
- Von Vargyas, Eugene, Washington, D. C., assignor of sixty one-hundredths to J. J. Vavra, Binghamton, N. Y. Tread for automobile-tires. No. 50,769; May 8; v. 238; p. 627.
- Vorel, Frank, Roy, Mont. Screw. No. 51,291; Sept. 18; v. 242; p. 729.
- W. D. Smith Silver Co. (See Rothlisberger, Jacob, assignor.)
- W. D. Smith Silver Company. (See Ittig, George P., assignor.)
- W. D. Smith Silver Company. (See Smith and Bourgeois, assignors.)
- W. H. Holbrook Company. (See Hatch, Herbert F., assignor.)
- W. & J. Sloane. (See Stengel, George J., assignor.)
- Wade, John, St. Paul, Minn. Chair. No. 50,924; June 12; v. 239; p. 629.
- Wadsworth, Arthur W., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watch-case-pendant. No. 51,353; Oct. 9; v. 243; p. 503.
- Wadsworth Watch Case Company, The. (See Wadsworth, Arthur W., assignor.)
- Wachner, John, Brooklyn, N. Y. Manicuring-set case. No. 50,855; May 29; v. 238; p. 1617.
- Wagner, Bernard P., assignor to The Wagner Manufacturing Company, Sidney, Ohio. Saucepan. No. 50,595; Apr. 10; v. 237; p. 600.
- Wagner Manufacturing Company. (See Wagner, Bernard P., assignor.)
- Wagner, Oscar E., and E. H. Funke, Chicago, Ill. Weighing-scale casing. No. 51,400; Oct. 16; v. 243; p. 775.
- Wagner, Robert G., and E. J. Schweitzer, Los Angeles, Cal. Canopy, hanger, and pan for a lighting-fixture. No. 50,211; Jan. 16; v. 234; p. 1034.
- Wagner, Robert G., and E. J. Schweitzer, Los Angeles, Cal. Chandelier for a lighting-fixture. Nos. 51,005-6; July 3; v. 240; pp. 314-15.
- Wahle, Albert, Brooklyn, N. Y., assignor to Cassidy & Son Manufacturing Co. Hanging lamp or similar article. No. 51,401; Oct. 16; v. 243; p. 776.
- Walker, Howard H., Cambridge, Mass. Ring or similar article. No. 51,621; Dec. 18; v. 245; p. 820.
- Walker, Willard R., Syracuse, N. Y. Dish-washer tank. No. 51,447; Oct. 30; v. 243; p. 1293.
- Walker, William, assignor to Shuttleworth Bros. Co., Amsterdam, N. Y. Rug, carpet, or similar article. No. 51,086; July 24; v. 240; p. 1149.
- Walker, William, assignor to Shuttleworth Bros. Co., Amsterdam, N. Y. Rug, carpet, or similar article. No. 51,158; Aug. 14; v. 241; p. 596.
- Wallace, Floyd, Wallingford, Conn. Spoon, fork, or similar article. No. 51,218; Aug. 28; v. 241; p. 1135.
- Wallace, Henry L., Wallingford, Conn. Spoon, fork, or similar article. No. 51,087; July 24; v. 240; p. 1149.
- Walrath, Merton, Little Falls, N. Y. Cabinet. No. 50,328; Feb. 13; v. 235; p. 671.
- Walton, Wirt W., New York, N. Y. Automobile-body. No. 51,127; Aug. 7; v. 241; p. 279.
- Ward, Ashley F., assignor to The A. S. Ward Machinery Co., Boston, Mass. Loaf of biscuit. No. 50,827; May 22; v. 238; p. 1311.
- Ward, Ashley F., assignor to The A. F. Ward Machinery Co., Boston, Mass. Loaf of biscuit. Nos. 50,925-6; June 12; v. 239; pp. 629-30.
- Ward-Stilson Company, The. (See Reed, Pleasant T., assignor.)
- Warner, John H., and H. S. Smith, Dayton, Ohio. Automobile-radiator attachment. No. 51,402; Oct. 16; v. 243; p. 776.
- Warner, John L., Kansas City, Mo. Soft-collar retainer. No. 51,324; Oct. 2; v. 243; p. 212.
- Wasyliv, Nik, Daisytown, Pa. Knife. No. 51,051; July 17; v. 240; p. 915.
- Watanabe, Stanley M., Mountain View, Cal. Candy tablet. No. 50,538; Mar. 27; v. 236; p. 1197.
- Waterbury Mfg. Co. (See Goetz, Henry F., assignor.)
- Waterbury Mfg. Co. (See Malmquist, Carl W., assignor.)
- Waterbury Mfg. Co. (See Recker, Adolph C., assignor.)
- Waterbury Mfg. Co. (See Smith, Frederic C., assignor.)
- Watling, John B., Chicago, Ill. Scale-cabinet. No. 50,368; Feb. 20; v. 235; p. 1028.
- Watling, John B., Chicago, Ill. Casing for a weighing-scale. No. 51,403; Oct. 16; v. 243; p. 776.
- Watson Company, The. (See Simms, Charles F., assignor.)
- Watson, James H., Jr., Bronxville, N. Y. Tobacco-pouch. No. 51,247; Sept. 4; v. 242; p. 236.
- Watson, John W., Wayne, Pa. Radiator for automobiles and other vehicles. No. 50,638; Apr. 17; v. 237; p. 901.

- Watters, Charles J., assignor to The North American Lace Company, Philadelphia, Pa. Lace. No. 50,927; June 12; v. 239; p. 630.
- Watters, Charles J., assignor to North American Lace Company, Philadelphia, Pa. Lace panel. No. 51,310; Sept. 25; v. 242; p. 975.
- Wearne, Harry, New York, N. Y. Printed fabric. No. 50,928; June 12; v. 239; p. 630.
- Wearne, Harry, New York, N. Y. Printed fabric. Nos. 51,354-9; Oct. 9; v. 243; pp. 503-4.
- Weeghman, Herbert E., Chicago, Ill. Front plate of vending apparatus. No. 51,052; July 17; v. 240; p. 915.
- Weeks, Frank A., Plainfield, N. J. Inkstand. Nos. 51,190-1; Aug. 21; v. 241; p. 894.
- Weeks, Robert, Hamilton, Ontario, Canada. Antiskid automobile-tire chain. No. 51,468; Nov. 6; v. 244; p. 270.
- Weiner Brothers. (See Sonntag, August, assignor.)
- Weiner, Morris, and I. J. Rifkin, New York, N. Y. Fingerring or similar article. No. 51,448; Oct. 30; v. 243; p. 1293.
- Weiser, Abraham G., Los Angeles, Cal. Surface bolt. No. 51,088; July 24; v. 240; p. 1149.
- Weiss, Roger. (See Ericson and Weiss.)
- Weller, Samuel A., Zanesville, Ohio. Flag-holder. No. 51,325; Oct. 2; v. 243; p. 212.
- Wellman, Lester R., assignor to Friedley-Voshardt Co., Chicago, Ill. Lighting-fixture. No. 50,539; Mar. 27; v. 236; p. 1197.
- Wellman, Lester R., assignor to Friedley-Voshardt Co., Chicago, Ill. Bracket-back for lighting-fixtures. No. 50,540; Mar. 27; v. 236; p. 1197.
- Wellman, Lester R., assignor to Friedley-Voshardt Co., Chicago, Ill. Lighting-fixture. Nos. 50,541-2; Mar. 27; v. 236; pp. 1197-8.
- Wellman, Lester R., assignor to Friedley Voshardt Co., Chicago, Ill. Lighting-fixture. No. 51,053; July 17; v. 240; p. 915.
- Wellman, Lester R., assignor to Friedley-Voshardt Co., Chicago, Ill. Plate for lighting-fixtures. No. 51,404; Oct. 16; v. 243; p. 76.
- Wentorf, Robert H., assignor to West Bend Aluminum Company, West Bend, Wis. Percolator. No. 51,159; Aug. 14; v. 241; p. 596.
- Werner, Charles, Cleveland, Ohio. Arm for lighting-fixtures. Nos. 51,292-3; Sept. 18; v. 242; p. 730.
- Werschansky, Sachary, New York, N. Y. Shaving-brush. No. 50,856; May 29; v. 238; p. 1617.
- West Bend Aluminum Company. (See Wentorf, Robert H., assignor.)
- West, William G., and R. S. Foster, Aurora, Ill. Lamp base and standard. No. 50,857; May 29; v. 238; p. 1617.
- Westcott, Glen R. and G. E., Los Angeles, Cal. Clip for pencils, fountain-pens, or similar articles. No. 51,564; Dec. 11; v. 245; p. 531.
- Westcott, Guy E. (See Westcott, Glen R. and G. E.)
- Westenfield, William, Corona, S. D. Indicator for automobiles. No. 51,360; Oct. 9; v. 243; p. 504.
- Western Gas Fixture Co., The. (See Crowell, Frank S., assignor.)
- Western Gas Fixture Co., The. (See Reiser, Alfred W., assignor.)
- Westphal, Gottfried, Guttenberg, N. J., assignor to Shapiro & Aronson, New York, N. Y. Gas and electric fixture. No. 51,160; Aug. 14; v. 241; p. 597.
- Whaley, John A., New York, N. Y. Lamp-shade for an incandescent light. No. 51,161; Aug. 14; v. 241; p. 597.
- Wheaton, Fred E., Minneapolis, Minn. Badge or button. No. 50,455; Mar. 13; v. 236; p. 578.
- Wheelock, Russel H., Dayton, Ohio. Pin-tray. No. 50,543; Mar. 27; v. 236; p. 1198.
- Whitaker, John, North Wales, Pa. Frame for check-writing machines. No. 50,437; Mar. 6; v. 236; p. 258.
- Whitbeck, John V., Cleveland, Ohio. Rear curtain for an automobile. No. 51,192; Aug. 21; v. 241; p. 894.
- White, Clara A., Brooklyn, N. Y. Phonograph-cabinet. No. 50,544; Mar. 27; v. 236; p. 1198.
- White, Edwin L., Brooklyn, N. Y. Hanger for light-transmitting bowls. No. 51,272; Sept. 11; v. 242; p. 495.
- White, Edwin L., Brooklyn, N. Y. Hanger for light-transmitting bowls. No. 51,517; Nov. 20; v. 244; p. 801.
- White, John F., assignor to White Lock Company, Chicago, Ill. Latch and scutcheon. No. 51,449; Oct. 30; v. 243; p. 1293.
- White Lock Company. (See White, John F., assignor.)
- White, Samuel T., Davenport, Iowa. Hanging vase. No. 50,329; Feb. 13; v. 235; p. 672.
- Whitehouse, Frederick W., Pelham, assignor to Tiffany & Co., New York, N. Y. Badge or emblem. No. 51,248; Sept. 4; v. 242; p. 236.
- Whiting Manufacturing Company. (See Ball, George E., assignor.)
- Wible, Charles M., Mount Pleasant, Pa. Headlight-lens. No. 50,962; June 19; v. 239; p. 917.
- Wiczian, Andrew, Chicago, Ill. Glass receptacle. No. 50,369; Feb. 20; v. 235; p. 1028.
- Widmann, Eugene A., Brooklyn, assignor to Pathé Frères Phonograph Company, New York, N. Y. Phonograph-cabinet. Nos. 50,704-6; May 1; v. 238; pp. 282-3.
- Wilcox, Albert C., Bridgeport, Ohio. Light-shade. No. 51,162; Aug. 14; v. 241; p. 597.
- Wilkes, Samuel G., assignor to R. Wallace & Sons Mfg. Co., Wallingford, Conn. Spoon, fork, or similar article. No. 50,153; Jan. 9; v. 234; p. 654.
- Will & Baumer Co., The. (See Engman, Evald J., assignor.)
- Will & Baumer Co., The. (See Will, Harold H., assignor.)
- Will, Harold H., assignor to The Will & Baumer Co., Syracuse, N. Y. Candle. No. 50,671; Apr. 24; v. 237; p. 1203.
- William S. Pitcairn Corporation. (See Dean, Sydney, assignor.)
- William S. Pitcairn Corporation. (See Noke, Charles J., assignor.)
- William S. Pitcairn Corporation. (See Picault, Edmond, assignor.)
- Williams, Dick B., assignor to L. Frank & Company, New Orleans, La. Automobile-signal. No. 50,411; Feb. 27; v. 235; p. 1333.
- Williams, Frank W. (See Parnall, Archie E., assignor.)
- Williams, Fred O., Brookline, assignor to United Drug Company, Boston, Mass. Water-bottle, syringe-bag, or similar article. No. 50,144; Jan. 2; v. 234; p. 350.
- Williams, Gordon, Mount Carmel, assignor to The English & Mersick Co., New Haven, Conn. Vehicle-lamp. No. 50,770; May 8; v. 238; p. 627.
- Williams, Lacey Y., Toledo, Ohio. Toy cannon. No. 50,370; Feb. 20; v. 235; p. 1028.
- Williams, Lewis A. (See Reams and Williams.)
- Williams, Philip K., assignor to The J. B. Williams Company, Glastonbury, Conn. Cake of soap. No. 51,534; Nov. 27; v. 244; p. 1069.
- Willson, Frederick, assignor to T. A. Willson & Co., Inc., Reading, Pa. Display-case for spectacles. No. 51,128; Aug. 7; v. 241; p. 279.
- Willson, Herbert O., Twin Falls, Idaho. Collar. No. 50,596; Apr. 10; v. 237; p. 600.
- Willmarth, Frank L., Central Falls, R. I. Emblem. No. 51,129; Aug. 7; v. 241; p. 279.
- Wilson, Annie M., Aldan, Pa. Poison-marker. No. 50,371; Feb. 20; v. 235; p. 1029.
- Windsor Furniture Company, The. (See Moyer, Horace C., assignor.)
- Winterbotham, William G. (See Kavanagh and Winterbotham.)
- Winters, Harry E., Davenport, Iowa. Casing for egg-candling devices. No. 51,273; Sept. 11; v. 242; p. 495.
- Wlajko Ilarion, Forbes Road, Pa. Fly-trap. No. 51,518; Nov. 20; v. 244; p. 802.
- Woina, Sylvester, Lost Creek, W. Va. Rest for clothes and other articles in washboilers. No. 50,858; May 29; v. 238; p. 1618.
- Wojciuch, Frank, Cleveland, Ohio. Picture-frame. No. 51,034; July 10; v. 240; p. 622.
- Wolfer, Carlos E., Monte Vista, Colo. Font of type. No. 50,454; Mar. 13; v. 236; p. 578.
- Wolff, Joseph, New York, N. Y., assignor to Sonora Phonograph Corporation. Stylus for phonographs. Nos. 50,639-40; Apr. 17; v. 237; p. 901-2.
- Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Corporation. Record-cabinet. No. 50,859; May 29; v. 238; p. 1618.
- Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Corporation. Phonograph-cabinet. No. 51,007; July 3; v. 240; p. 315.
- Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Corporation. Phonograph-cabinet. Nos. 51,219-20; Aug. 28; v. 241; p. 1136.
- Woodbury, Carl, Los Angeles, Cal. Headlight-lens. No. 51,274; Sept. 11; v. 242; p. 495.
- Woodman, Frank B., assignor to American Steam Gauge & Valve Manufacturing Company, Boston, Mass. Indicating hand or pointer. No. 50,212; Jan. 16; v. 234; p. 1034.
- Worthington, Josiah P., Steamboat Springs, Colo. Wrench. No. 50,372; Feb. 20; v. 235; p. 1029.
- Wright, Bernard F., assignor to Federal Motor Truck Company, Detroit, Mich. Radiator. No. 51,519; Nov. 20; v. 244; p. 802.
- Wright, Irene A., Kearney, N. J. Drop-curtain. No. 50,672; Apr. 24; v. 237; p. 1203.
- Yokel, Frank, assignor to Pittsburgh Lamp Brass & Glass Company, Pittsburgh, Pa. Combined lamp-standard and desk article. No. 50,438; Mar. 6; v. 236; p. 258.
- Yokel, Frank, assignor to Pittsburgh Lamp Brass & Glass Company, Pittsburgh, Pa. Inkstand. No. 50,439; Mar. 6; v. 236; p. 259.
- Yokel, Frank, assignor to Pittsburgh Lamp Brass & Glass Company, Pittsburgh, Pa. Combined desk-lamp and inkstand. No. 50,440; Mar. 6; v. 236; p. 259.
- Yokel, Frank, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Back for blotters, paper-weights, or similar articles. Nos. 50,490-1; Mar. 20; v. 236; p. 875.
- Yokel, Frank, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Lamp-shade. No. 50,809; May 22; v. 238; p. 1308.
- Yokel, Frank, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Oil-heater. No. 51,622; Dec. 18; v. 245; p. 820.
- Yokelson, Joseph. (See Daving and Yokelson.)
- Young, Lorin W. (See Robb and Young.)
- Young, Willis G., Chicago, Ill. Game-board. Nos. 51,623-4; Dec. 18; v. 245; p. 820.

Alphabetical list of patentees of designs—Continued.

- Youngman, Otto J., assignor of one-half to J. B. Hookstra, Berkeley, Cal. Piano. No. 50,707; May 1; v. 238; p. 283.
- Zagora, Joseph, Racine, Wis. Footstool. No. 51,262; Sept. 11; v. 242; p. 493.
- Zambrano, Satero L., New York, N. Y. Diploma. No. 51,035; July 10; v. 240; p. 622.
- Ziganek, Ferdinand, Detroit, Mich. Tile-stove. No. 50,492; Mar. 20; v. 236; p. 875.
- Zinn, Martin, New York, N. Y. Frame for hand-bags. No. 50,213; Jan. 16; v. 234; p. 1034.
- Zullig, Emil, Weehawken, N. J. Filet-lace. Nos. 51,565-7; Dec. 11; v. 245; pp. 531-2.
- Zullig, Emil, assignor to The Automatic Lace & Embroidery Co., Inc., Weehawken, N. J. Filet-lace. No. 51,450; Oct. 30; v. 243; p. 1293.
- Zweibach, Aron, Brooklyn, N. Y. Chair-seat. No. 51,469; Nov. 6; v. 244; p. 271.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

- A. Bourjois & Co., Inc., New York, N. Y. Toilet powder and rouge or solid face-powder. No. 115,287; Feb. 6; v. 235; p. 817.
- A. Bourjois & Co., Inc., New York, N. Y. Face-powder and rouge. Nos. 115,434-5; Feb. 13; v. 235; p. 691.
- A. Bourjois & Co., Inc., New York, N. Y. Soap. No. 116,282; Apr. 24; v. 237; p. 1213.
- A. Bourjois & Co., Inc., New York, N. Y. Toilet powder. No. 116,283; Apr. 24; v. 237; p. 1213.
- A. Bourjois & Co., Inc., New York, N. Y. Soap. No. 116,879; June 5; v. 239; p. 313.
- A. Bourjois & Co., Inc., New York, N. Y. Toilet powder. No. 117,289; July 3; v. 240; p. 333.
- A. Bourjois & Co., Inc., New York, N. Y. Face-powder, toilet waters, rouge, lip-sticks, perfumes, eyebrow-pencils, and pomades. No. 119,497; Nov. 27; v. 244; p. 1081.
- A. Bourjois & Co., Inc., New York, N. Y. Face-powder and rouge. No. 119,498; Nov. 27; v. 244; p. 1081.
- A. Bourjois & Co., Inc., New York, N. Y. Face-powder. No. 119,499; Nov. 27; v. 244; p. 1081.
- A. Bourjois & Co., Inc., New York, N. Y. Face-powder, toilet waters, rouge, lip-sticks, &c. No. 119,647; Dec. 11; v. 245; p. 546.
- A. Bourjois & Co., Inc., New York, N. Y. Toilet powder. No. 119,872; Dec. 18; v. 245; p. 839.
- A. Bourjois & Co., Inc., New York, N. Y. Rouge. No. 119,873; Dec. 18; v. 245; p. 839.
- A. Bourjois & Co., Inc., New York, N. Y. Face-powder. No. 119,874; Dec. 18; v. 245; p. 839.
- A. Burdall Co., The, Indianapolis, Ind. Paste and liquid paints, wood and varnish stains, varnishes, &c. No. 114,869; Jan. 9; v. 234; p. 667.
- A. C. A. Company, Binghamton, N. Y. Cloths scientifically prepared to clean and polish metals, woods, and leathers. No. 117,075; June 19; v. 239; p. 933.
- A. Kreamer, Inc., Brooklyn, N. Y. Certain named cutlery, machinery, and parts thereof. No. 116,849; May 29; v. 238; p. 1636.
- A. Kreamer, Inc., Brooklyn, N. Y. Candle and candlestick holders, range-boilers, carriage foot-warmers. No. 117,161; June 19; v. 239; p. 935.
- A. Kreamer, Inc., Brooklyn, N. Y. Stomach-warmers and douche-pans. No. 117,162; June 19; v. 239; p. 935.
- A. Kreamer, Inc., Brooklyn, N. Y. Washboilers, wash-kettles, suction clothes-washers, bat-baths, clothes-sprinklers. No. 117,568; July 17; v. 240; p. 937.
- A. Kreamer, Inc., Brooklyn, N. Y. Wine-coolers and nursery-refrigerators. No. 117,766; July 31; v. 240; p. 1446.
- A. Kreamer, Inc., Brooklyn, N. Y. Certain named receptacles. No. 118,301; Aug. 28; v. 241; p. 1152.
- A. Kreamer, Inc., Brooklyn, N. Y. Liquid-measures. No. 118,302; Aug. 28; v. 241; p. 1152.
- A. Kreamer, Inc., Brooklyn, N. Y. Certain named hardware, plumbing, and steam-fitting supplies. No. 118,673; Sept. 25; v. 242; p. 988.
- A. Kreamer, Inc., Brooklyn, N. Y. Marking-pots. No. 118,674; Sept. 25; v. 242; p. 989.
- A. Kreamer, Inc., Brooklyn, N. Y. Spice-cabinets. No. 118,888; Oct. 9; v. 243; p. 520.
- A. Nash Company, The, Cincinnati, Ohio. Outer garments comprising men's suits and overcoats. No. 117,903; Aug. 7; v. 241; p. 296.
- A. Schreiber Brewing Co., Buffalo, N. Y. Beer. No. 117,611; July 17; v. 240; p. 938.
- A. Stein & Company, Chicago, Ill. Certain named sanitary garments and appliances. No. 118,828; Oct. 2; v. 243; p. 238.
- A. Strassburger Co. Inc., The, Pittsburgh, Pa. Phonographs and phonograph-records. No. 117,484; July 10; v. 240; p. 637.
- A. Wilhelm Company, The, Reading, Pa. Certain named paints and painters' materials. No. 116,730; May 15; v. 238; p. 980.
- A. Wilhelm Company, The, Reading, Pa. Certain named paints and painters' supplies. No. 116,811; May 22; v. 238; p. 1327.
- A. A. Maillett Co., Inc., New York, N. Y. Preparation for the treatment of the stomach. No. 119,744; Dec. 11; v. 245; p. 549.
- A. C. Gilbert Company, The, New Haven, Conn. Construction toys. No. 119,069; Oct. 23; v. 243; p. 1060.
- A. C. Lawrence Leather Co., Boston, Mass. Leather. No. 116,329; Apr. 24; v. 237; p. 1215.
- A. C. Tuxbury Lumber Company, Charleston, S. C. Certain named construction materials. No. 119,829; Dec. 11; v. 245; p. 551.
- A. E. Little Co., Lynn, Mass. Boots and shoes made of leather or cloth and leather. No. 117,453; July 10; v. 240; p. 636.
- A. F. Meisselbach & Brother, Newark, N. J. Fishing-reels. No. 117,573; July 17; v. 240; p. 937.
- A. G. Spalding & Bros., New York, N. Y. Swimming-suits. No. 114,838; Jan. 2; v. 234; p. 372.
- A. G. Spalding & Bros., Jersey City, N. J., and New York, N. Y. Tennis-racket strings. No. 118,826; Oct. 2; v. 243; p. 238.
- A. H. Kuhlemann Company, Baltimore, Md. Oleomargarin. No. 119,456; Nov. 20; v. 244; p. 814.
- A. J. Bates Company, Webster, Mass. Footwear—namely, rubber and leather boots and shoes, rubber boots and shoes, and slippers. No. 119,246; Nov. 13; v. 244; p. 557.
- A. J. Hull Medicine Co., The, Findlay, Ohio. Medicinal compound for certain named diseases. No. 116,323; Apr. 24; v. 237; p. 1214.
- A. J. Long Cigar & Grocery Co., Macon, Ga. Self-rising wheat-flour. No. 118,422; Sept. 4; v. 242; p. 250.
- A. J. Tower Company, Boston, Mass. Oiled clothing. No. 115,120; Jan. 23; v. 234; p. 1309.
- A. L. Tuska Son & Co., New York, N. Y. Certain named clothing for men, misses, and ladies. No. 116,712; May 15; v. 238; p. 979.
- A. M. Castle & Co., Chicago, Ill. Structural angles, beams, bars, columns, pressed steel, &c. No. 115,299; Feb. 9; v. 235; p. 318.
- A. N. Palmer Company, The, Cedar Rapids, Iowa. Writing-paper. No. 118,692; Sept. 25; v. 242; p. 989.
- A. R. Mosler & Co., New York, N. Y. Spark-plugs. No. 115,208; Jan. 30; v. 234; p. 1579.
- A. R. Sales Co., Inc., Schenectady, N. Y. Tire-vulcanizing outfits and self-vulcanizing patches. No. 119,215; Oct. 30; v. 243; p. 1306.
- A. S. Campbell Company, Boston, Mass. Hot-water bottles. No. 115,879; Mar. 20; v. 236; p. 885.
- A/S. Norske Mineralakilder, Larvik, Norway. Mineral waters. No. 116,784; May 22; v. 238; p. 1326.
- A. S. Rosenthal Company, New York, N. Y. Scarfs for personal wear. No. 115,466; Feb. 13; v. 235; p. 692.
- A. S. Rosenthal Company, New York, N. Y. Silk piece goods, silk and cotton fabrics, cotton piece goods, and handkerchiefs. No. 115,809; Mar. 6; v. 236; p. 279.
- A. S. Rosenthal Co., New York, N. Y. Cotton and silk piece goods. No. 117,785; July 31; v. 240; p. 1446.
- A. V. Victorius & Co., New York, N. Y. Hosiery. No. 115,703; Feb. 27; v. 235; p. 1353.
- A. V. Victorius & Co., Inc., New York, N. Y. Hosiery. No. 119,836; Dec. 11; v. 245; p. 551.
- Aarons, Perry, New York, N. Y. Cheese. No. 117,399; July 10; v. 240; p. 635.
- Abbott Company, C. M., The, Providence, R. I. Certain named articles of jewelry. No. 116,570; May 15; v. 238; p. 975.
- Abbott Laboratories, The, Chicago, Ill. Medicinal preparation. No. 114,666; Jan. 2; v. 234; p. 367.
- Abbott Laboratories, The, Chicago, Ill. Medicinal preparation for burns, frost-bites, and skin abrasions generally. No. 117,626; July 24; v. 240; p. 1161.
- Abbott Laboratories, The, Chicago, Ill. Non-toxic and non-caustic antiseptic. No. 119,014; Oct. 25; v. 243; p. 1059.
- Abeles & Company, F. E., Milwaukee, Wis. Men's, boys', and youths' trousers. No. 118,842; Oct. 9; v. 243; p. 519.
- Abraham & Straus, New York, (Brooklyn,) N. Y. Pearls. No. 119,615; Dec. 11; v. 245; p. 545.
- Achfeldt, M., New York, N. Y. Corn-salve. No. 118,727; Oct. 2; v. 243; p. 235.
- Achuff Knitting Mill, Inc., Philadelphia, Pa. Ladies', misses', and children's knit underwear. No. 114,916; Jan. 16; v. 234; p. 1039.
- Acieral Company of America, The, New York, N. Y. Metal or aluminum compounds in the form of ingots, castings, rods, plates. Nos. 117,235-6; June 26; v. 239; p. 1205.
- Acme Brick Company, Cayuga, Ind. Bricks made of clay and equivalent material. Nos. 115,910-11; Mar. 27; v. 236; p. 1215.

- Acme Cleaner Manufacturing Company, Cleveland, Ohio. Wall-paper cleaner. No. 117,076; June 19; v. 239; p. 933.
- Acme Milling Company, Talbott, Tenn. Cornmeal, milled corn-grits, and rye-meal. No. 118,129; Aug. 21; v. 241; p. 905.
- Acme Packing Co., Chicago, Ill. Certain named goods. No. 116,738; May 22; v. 238; p. 1325.
- Acorn Movie Cartoon Company, Wilmington, Del. Moving-picture films. No. 115,136; Jan. 30; v. 234; p. 1577.
- Acorn Silk Co. Inc., New York, N. Y. Silk and velvet piece goods. Nos. 115,267-8; Feb. 6; v. 235; p. 317.
- Acushnet Process Co., New Bedford, Mass. Rubber. No. 118,479; Sept. 18; v. 242; p. 743.
- Adams-Bagnall Electric Co., The, Cleveland, Ohio. Electric lamps and parts thereof. No. 116,739; May 22; v. 238; p. 1327.
- Adams Brothers, New York, N. Y. Chewing-gum. No. 116,571; May 15; v. 238; p. 975.
- Adams Brothers, New York, N. Y. Chewing-gum. No. 116,740; May 22; v. 238; p. 1325.
- Adams, Ernest, London, England. Certain named toilet articles. No. 118,938; Oct. 16; v. 243; p. 789.
- Adams & Ford Company, The, Cleveland, Ohio. Leather boots and shoes. No. 115,569; Feb. 27; v. 235; p. 1349.
- Adams & Jewell, Rome, N. Y. Refractory cement. No. 114,667; Jan. 2; v. 234; p. 367.
- Adapti Manufacturing Company, The, Cleveland, Ohio. Outlet and switch boxes and electrical-conduit fittings. Nos. 119,483-4; Nov. 27; v. 244; p. 1081.
- Adbro Manufacturing Company, Pittsburgh, Pa. Massage-vibrators and electrical-massage-treatment apparatus. No. 118,728; Oct. 2; v. 243; p. 235.
- Addis & Epstein, Inc., New York, N. Y. Canned fish. No. 117,077; June 19; v. 239; p. 933.
- Adirondack Leather Co. Inc., New York, N. Y. Patent upper-leathers. No. 118,370; Sept. 4; v. 242; p. 249.
- Adler, Saul W., Cleveland, Ohio. Dental pulp and root-canal instruments. Nos. 118,253-5; Aug. 28; v. 241; p. 1151.
- Advance Foundry Co., Dayton, Ohio. Iron castings. No. 116,025; Apr. 3; v. 237; p. 305.
- Advertising Device Co., Inc., New York, N. Y. Deodorizing liquids and compounds. No. 119,237; Nov. 13; v. 244; p. 557.
- Aerothrust Engine Company, Laporte, Ind. Aero-propelled ice-sled. No. 119,015; Oct. 23; v. 243; p. 1059.
- Agricultural and Commercial Lime Company, The, Canton, Ohio. Mason's hydrated lime. No. 118,130; Aug. 21; v. 241; p. 905.
- Agricultural and Commercial Lime Company, The, Canton, Ohio. Agricultural lime. No. 118,729; Oct. 2; v. 243; p. 235.
- Agricultural and Commercial Lime Company, The, Canton, Ohio. Agricultural lime. No. 118,843; Oct. 9; v. 243; p. 519.
- Air Reduction Company, New York, N. Y. Oxygen, acetylene, and nitrogen. No. 119,238; Nov. 13; v. 244; p. 557.
- Air Reduction Company, New York, N. Y. Oxyacetylene welding and cutting apparatus. No. 119,485; Nov. 27; v. 244; p. 1081.
- Air Utilities Company, Inc., New York, N. Y. Certain named food products. No. 115,048; Jan. 23; v. 234; p. 1307.
- Ajax Metal Company, The, Philadelphia, Pa. Ingots, castings consisting of engine-castings not finished, machine-bearings, and Babbitt metal. No. 114,668; Jan. 2; v. 234; p. 367.
- Ajax Metal Company, The, Philadelphia, Pa. Copper base metal alloys. No. 114,669; Jan. 2; v. 234; p. 367.
- Ajax Metal Company, The, Philadelphia, Pa. Babbitt metal. No. 114,670; Jan. 2; v. 234; p. 367.
- Ajax Pile Remedy Company, Chicago, Ill. Certain pile remedy. No. 116,495; May 8; v. 238; p. 645.
- Ajax Rubber Company, Inc., Milbrook, N. Y. Automobile and bicycle tires of rubber and fabric. No. 115,570; Feb. 27; v. 235; p. 1349.
- Ajax Rubber Company, Inc., Milbrook, N. Y. Automobile and bicycle tires of rubber and fabric. No. 119,616; Dec. 11; v. 245; p. 545.
- Akamatsu, Matashiro, Hiroshima, Japan. A menstrual medicine. No. 119,486; Nov. 27; v. 244; p. 1081.
- Akron Rubber Mold & Machine Company, The, Akron, Ohio. Vulcanizing outfit for tires. No. 119,617; Dec. 11; v. 245; p. 545.
- Aktiebolaget Salenius' Werkstäder, Stockholm and Märtehall, Sweden. Liquid and turbine separators, churns, milk-pumps, &c. No. 119,856; Dec. 18; v. 245; p. 839.
- Aktiebolaget Svenska Kullagerfabriken, Gothenborg, Sweden. Machines and machine parts—namely, toothed wheels and gearings. No. 117,968; Aug. 14; v. 241; p. 615.
- Aktiengesellschaft für Autogene Aluminium-Schweissung, Zurich, Switzerland. Fluxes for autogenously welding aluminium and aluminium alloys. No. 116,267; Apr. 24; v. 237; p. 1213.
- Alabama Grocery Co., Birmingham, Ala. Ginger-ale and syrup for the manufacture of the same. No. 119,597; Dec. 4; v. 245; p. 275.
- Aladdin Products Co., New York, N. Y. Incense vessels. No. 118,481; Sept. 18; v. 242; p. 743.
- Alart & McGuire Company, Brooklyn, N. Y. Certain named foods. No. 119,618; Dec. 11; v. 245; p. 545.
- Alaska Codfish Company, San Francisco, Cal. Fresh, dried, and canned codfish. No. 117,237; June 26; v. 239; p. 1205.
- Alaska-Pacific Fisheries, Portland, Oreg. Canned salmon. Nos. 115,714-15; Mar. 6; v. 236; p. 277.
- Alaska-Pacific Fisheries, Portland, Oreg. Canned salmon. No. 117,499; July 17; v. 240; p. 935.
- Albano, Francesco, New York, N. Y. Olive-oil. No. 119,619; Dec. 11; v. 245; p. 545.
- Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet-paper and paper towels. Nos. 116,388-9; May 1; v. 238; p. 305.
- Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet-paper and paper towels. Nos. 116,572-3; May 15; v. 238; p. 975.
- Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet-paper and paper towels. Nos. 116,741-2; May 22; v. 238; p. 1325.
- Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet-paper. No. 117,238; June 26; v. 239; p. 1205.
- Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet-paper. No. 117,278; July 3; v. 240; p. 333.
- Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet-paper and paper towels. No. 117,398; July 3; v. 240; p. 336.
- Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet-paper. No. 117,627; July 24; v. 240; p. 1161.
- Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet-paper and paper towels. No. 117,804; Aug. 7; v. 241; p. 293.
- Albemarle Paper Mfg. Co., The, Richmond, Va. Blotting-paper. No. 119,934; Dec. 25; v. 245; p. 1021.
- Albers Bros. Milling Company, San Francisco, Cal. Certain named foods. No. 119,419; Nov. 20; v. 244; p. 813.
- Albert, John H., Lancaster, Pa. Bitter tonic for the relief of certain named conditions. No. 119,016; Oct. 23; v. 243; p. 1059.
- Albertson, William H. M., New York, N. Y. Coffee. No. 117,078; June 19; v. 239; p. 933.
- Albrecht, William G., Baltimore, Md. Anticlouding and cleaning materials. No. 117,279; July 3; v. 240; p. 333.
- Alcoholic Wine Co., The, San Francisco, Cal. Non-intoxicating vinous beverages. No. 119,620; Dec. 11; v. 245; p. 545.
- Alexander Brothers, Philadelphia, Pa. Leather, including carried and sole leathers and leather strapping. No. 119,857; Dec. 18; v. 245; p. 839.
- Alexander & Callen, Los Angeles, Cal. Stuffed ripe and ripe olives. No. 116,496; May 8; v. 238; p. 645.
- Alexander, Ida, St. Louis, Mo. Preparation used in dressing and growing hair. No. 119,621; Dec. 11; v. 245; p. 545.
- Alexander-Kramer Company, The, Dayton, Ohio. Toy electric motors. No. 118,131; Aug. 21; v. 241; p. 905.
- Alexander Lumber Company, The, Aurora, Ill. Lime and composition roofing. No. 117,400; July 10; v. 240; p. 635.
- Alexander, William W., Manchester, Ohio. Medicinal preparation for treating certain named diseases. No. 119,622; Dec. 11; v. 245; p. 545.
- Alexe, Frank, New York, N. Y. Sole-leather mat and runner. No. 118,482; Sept. 18; v. 242; p. 743.
- Alfa Products Company, Waukegan, Ill. Certain named foods. No. 116,026; Apr. 3; v. 237; p. 305.
- Alford, Lawrence, Leesville, La. Mouth-wash. No. 117,628; July 24; v. 240; p. 1161.
- Alfred J. Brown Seed Co., Grand Rapids, Mich. Seeds. No. 118,379; Sept. 4; v. 242; p. 249.
- Alfred Jones' Sons, Bangor, Me. Certain named foods. No. 119,455; Nov. 20; v. 244; p. 814.
- All-Package Grocery Stores Co., New York, N. Y. Soaps, powdered cleanser, washing-powder. No. 118,730; Oct. 2; v. 243; p. 235.
- All-Package Grocery Stores Co., New York, N. Y. Grape-juice. No. 118,731; Oct. 2; v. 243; p. 235.
- All-Package Grocery Stores Co., New York, N. Y. Certain named foods. No. 119,017; Oct. 23; v. 243; p. 1059.
- All-Package Grocery Stores Co., Brooklyn and New York, N. Y. Paper napkins and toilet-tissue. No. 119,935; Dec. 25; v. 245; p. 1021.
- Alle Rhume Remedy Co., Rochester, N. Y. Internal remedy for rheumatism, liver, kidney, stomach, and bowel complaints. No. 115,873; Mar. 20; v. 236; p. 885.
- Allen, Charles, St. Louis, Mo. Medicinal remedies for diseases such as indigestion, dyspepsia, and constipation. No. 116,268; Apr. 24; v. 237; p. 1213.
- Allen Motor Co., The, Fostoria, Ohio. Automobiles. No. 119,018; Oct. 23; v. 243; p. 1059.
- Allen, Joseph C., Plainfield, N. J. Certain named toilet preparations. No. 114,917; Jan. 16; v. 234; p. 1039.
- Allen, Simeon C., Rochester, N. Y. Non-alcoholic beverages sold as soft drinks and syrups used in the making thereof. No. 115,472; Feb. 20; v. 235; p. 1049.

Alphabetical list of registrants of trade-marks—Continued.

- Allen, Thomas G., London, England. Light shades and screens made principally but not wholly of glass. No. 116,932; June 5; v. 239; p. 314.
- Alling & Cory Co., The, Rochester, N. Y. Wrapping-paper. No. 119,623; Dec. 11; v. 245; p. 545.
- Allman, Walter R., Cleveland, Ohio. Cartoons and drawings. No. 118,939; Oct. 16; v. 243; p. 789.
- Allworth Company, The, Chicago, Ill. Carbon-remover. No. 118,371; Sept. 4; v. 242; p. 249.
- Altamont Springs Hotel Co., Fort Thomas, Ky. Mineral water. No. 119,624; Dec. 11; v. 245; p. 545.
- Alton Mercantile Company, The, Enid, Okla. Cigars. No. 117,629; July 24; v. 240; p. 1161.
- Altro Manufacturing Company, New York, N. Y. Nurses' costumes; doctors' coats, trousers, and overalls; hospital employees' uniforms and suits. No. 118,844; Oct. 9; v. 243; p. 519.
- Aluminox Co., The, Kansas City, Mo. Metal-polishes. No. 115,473; Feb. 20; v. 235; p. 1049.
- Alvatone Laboratories, The, East Orange, N. J. Astrigent bactericide. No. 117,805; Aug. 7; v. 241; p. 293.
- Ambrose Wilson Limited, London, England. Corsets and girdles in the nature of and worn as substitutes for corsets. No. 120,002; Dec. 25; v. 245; p. 1023.
- American Advertising Association, St. Louis, Mo. Electric signs. No. 116,872; June 5; v. 239; p. 313.
- American Agricultural Chemical Company, The, New York, N. Y. Fertilizers. No. 117,730; July 31; v. 240; p. 1445.
- American Alcohol Co., Inc., New York, N. Y. Alcohols other than ethyl. No. 117,806; Aug. 7; v. 241; p. 293.
- American Asphalt Paint Co., New York, N. Y. Asphalt paint. No. 114,918; Jan. 16; v. 234; p. 1039.
- American Automobile Association Publishing Company, New York, N. Y., and Washington, D. C. Monthly magazine. No. 118,132; Aug. 21; v. 241; p. 905.
- American Banking Machine Corporation, Dover, Del., and Saginaw, Mich. Stamp-vending machines. No. 117,969; Aug. 14; v. 241; p. 615.
- American Bleached Goods Company, New York, N. Y. Cotton piece goods. No. 117,239; June 26; v. 239; p. 1205.
- American Bleached Goods Company, New York, N. Y. Cotton piece goods. No. 119,625; Dec. 11; v. 245; p. 545.
- American Can Co., New York, N. Y. Oyster-display cases. No. 114,919; Jan. 16; v. 234; p. 1039.
- American Candy Manufacturing Co., Selma, Ala. Candy. No. 117,500; July 17; v. 240; p. 935.
- American Chemical Paint Company, Philadelphia, Pa. Rustless pickle for steel. No. 117,281; July 3; v. 240; p. 333.
- American Chemical Paint Company, Philadelphia, Pa. Fluid for preventing paint from peeling off galvanized iron. No. 119,019; Oct. 23; v. 243; p. 1059.
- American Chicle Co., New York, N. Y. Chewing-gum. No. 117,018; June 12; v. 239; p. 651.
- American Chicle Co., New York, N. Y. Chewing-gum. No. 117,501; July 17; v. 240; p. 935.
- American Coffee Company of New Orleans, Ltd., New Orleans, La. Coffee. No. 119,626; Dec. 11; v. 245; p. 545.
- American Cotton Oil Company, The, Guttenberg, N. J., and New York, N. Y. Cotton-seed oil for screw-cutting and all other lubricating purposes. No. 114,854; Jan. 9; v. 234; p. 667.
- American Cotton Oil Company, The, Guttenberg, N. J., and New York, N. Y. Cotton-seed oil for use in the manufacture of printing-inks. No. 115,137; Jan. 30; v. 234; p. 1577.
- American Cranberry Exchange, New York, N. Y. Cranberries. No. 114,671; Jan. 2; v. 234; p. 367.
- American Cyanamid Company, New York, N. Y. Chemical compound for agricultural purposes. No. 117,970; Aug. 14; v. 241; p. 615.
- American Encaustic Tiling Co. Ltd., Zanesville, Ohio; Maurer, N. J., and New York, N. Y. Wall, floor, and ceiling tiles for interior and exterior purposes. No. 115,717; Mar. 6; v. 236; p. 277.
- American Exchange Cigar Company, New York, N. Y. Cigars. No. 118,133; Aug. 21; v. 241; p. 905.
- American Exchange Cigar Company, New York, N. Y. Cigars. No. 119,627; Dec. 11; v. 245; p. 545.
- American Farming Publishing Company, Chicago, Ill. Monthly magazine. No. 118,134; Aug. 21; v. 241; p. 905.
- American Fruit Distributors of California, Los Angeles, Cal. Oranges, lemons, and grape-fruit. No. 117,079; June 19; v. 239; p. 933.
- American Fruit Distributors of California, Los Angeles, Cal. Lemons and oranges. No. 117,080; June 19; v. 239; p. 933.
- American Fruit Distributors of California, Los Angeles, Cal. Oranges, grape-fruit, cantaloups. No. 117,081; June 19; v. 239; p. 933.
- American Hard Rubber Co., New York, N. Y. Hard-rubber compound for electrical purposes. No. 115,718; Mar. 6; v. 236; p. 277.
- American Health Soup Co., St. Louis, Mo., assignor to American Health Soup Company, Wilmington, Del. Soups, more particularly soups in dry and concentrated form. No. 115,049; Jan. 23; v. 234; p. 1307.
- American Heyl Co., New York, N. Y. Colors for rubber, leather, soap, borate of manganese, and siccativ. No. 115,050; Jan. 23; v. 234; p. 1307.
- American Hominy Company, Indianapolis, Ind. Stock foods. No. 117,807; Aug. 7; v. 241; p. 293.
- American Humane Association, The, Albany, N. Y. Bulletins issued irregularly. No. 118,256; Aug. 28; v. 241; p. 1151.
- American International Corporation, New York, N. Y. Bulletins issued approximately quarterly. No. 119,160; Oct. 30; v. 243; p. 1305.
- American La France Fire Engine Co., Inc., Elmira, N. Y. Chemical fire-extinguishers. No. 116,934; June 5; v. 239; p. 315.
- American Lady Corset Company, Detroit, Mich. Corsets. No. 118,135; Aug. 21; v. 241; p. 905.
- American Lady Corset Company, Detroit, Mich. Corsets. No. 119,240; Nov. 13; v. 244; p. 557.
- American Lead Company, New York, N. Y. Type-metals, solders, metal alloys, lead bars, pig-lead. No. 117,082; June 19; v. 239; p. 933.
- American Lead Pencil Company, New York, N. Y. Lead-pencils. No. 117,282; July 3; v. 240; p. 333.
- American Loose Leaf Mfg. Co., Chicago, Ill. Combined order-sheet and envelop. No. 118,845; Oct. 9; v. 243; p. 519.
- American Machine & Foundry Company, New York, N. Y. Cigarette, cigar, and cheroot machines and parts thereof. No. 119,858; Dec. 18; v. 245; p. 839.
- American Manganese Steel Company, Chicago, Ill. Steel, steel castings, and particularly manganese-steel castings. No. 116,390; May 1; v. 238; p. 305.
- American Manufacturing Company, Boston, Mass., and New York, N. Y. Oakum for packing and calking. No. 114,920; Jan. 16; v. 234; p. 1039.
- American Manufacturing Company, Boston, Mass., and New York, N. Y. Rope, cord, lines, and twine of vegetable fiber. No. 115,269; Feb. 6; v. 235; p. 317.
- American Metal Products Company, Milwaukee, Wis. Metals resembling bronze and castings made from said metal. No. 117,240; June 26; v. 239; p. 1205.
- American Moistening Company, Boston, Mass. Humidifiers, atomizers, humidity-controllers for use in ventilating buildings. No. 116,110; Apr. 10; v. 237; p. 617.
- American Optical Company, Southbridge, Mass. Monthly magazines or periodicals. No. 118,733; Oct. 2; v. 243; p. 235.
- American Optical Company, Southbridge, Mass. Certain named cutlery, machinery, and tools. No. 119,020; Oct. 23; v. 243; p. 1059.
- American Optical Company, Southbridge, Mass. Cases for spectacles, eyeglasses, magnifiers, and ophthalmic goods generally. No. 119,021; Oct. 23; v. 243; p. 1059.
- American Optical Company, Southbridge, Mass. Certain named measuring and scientific appliances. No. 119,022; Oct. 23; v. 243; p. 1059.
- American Optical Company, Southbridge, Mass. Certain named abrasive, detergent, and polishing materials. No. 119,023; Oct. 23; v. 243; p. 1059.
- American Pad & Paper Company, Holyoke, Mass. Certain named paper and stationery. No. 118,846; Oct. 9; v. 243; p. 519.
- American Papeterie Company, Albany, N. Y. Writing-paper. No. 116,391; May 1; v. 238; p. 305.
- American Papeterie Company, Albany, N. Y. Printing and writing paper. No. 117,630; July 24; v. 240; p. 1161.
- American Papeterie Company, Albany and New York, N. Y.; Chicago, Ill., and San Francisco, Cal. Writing-paper. No. 118,483; Sept. 18; v. 242; p. 743.
- American Papeterie Company, Albany and New York, N. Y.; Chicago, Ill., and San Francisco, Cal. Writing-paper. No. 119,936; Dec. 25; v. 245; p. 1021.
- American Peanut Corporation, Norfolk, Va. Peanuts. No. 117,401; July 10; v. 240; p. 635.
- American Photo Player Sales Company, The, San Francisco, Cal. Pneumatically-operated orchestrons. No. 119,024; Oct. 23; v. 243; p. 1059.
- American Piano Company, New York, N. Y. Pianos. No. 115,051; Jan. 23; v. 234; p. 1307.
- American Pretzel Company, Philadelphia, Pa. Pretzels. Nos. 119,420-1; Nov. 20; v. 244; p. 813.
- American Road Machinery Company, Inc., Kennett Square, Pa. Road-making machines. No. 116,392; May 1; v. 238; p. 305.
- American Rubber Company, Boston, Mass. Rain-coats made of textiles treated with waterproofing materials. No. 118,940; Oct. 16; v. 243; p. 789.
- American Rubber and Tire Company, The, Akron, Ohio. Elastic vehicle-tires. No. 116,269; Apr. 24; v. 237; p. 1213.
- American Seedtape Company, Incorporated, New York, N. Y. Seeds. No. 114,672; Jan. 2; v. 234; p. 367.
- American Steam Gauge & Valve Manufacturing Company, Boston, Mass. Instruments for indicating and recording fluid-pressure. No. 119,859; Dec. 18; v. 245; p. 839.
- American Steel Export Company, New York, N. Y. Certain named hardware and plumbing and steam-fitting supplies. No. 118,734; Oct. 2; v. 243; p. 235.
- American Steel Export Company, New York, N. Y. Certain named cutlery, machinery, and tools, and parts thereof. No. 119,487; Nov. 27; v. 244; p. 1081.

- American Steel Export Company, New York, N. Y. Certain named structural steel. No. 119,628; Dec. 11; v. 245; p. 545.
- American Steel Export Company, New York, N. Y. Certain named metals and metal castings and forgings. No. 119,698; Dec. 4; v. 245; p. 275.
- American Steel Export Company, New York, N. Y. Steel cars, motor-trucks, and automobiles. No. 119,937; Dec. 25; v. 245; p. 1021.
- American Steel Products Co., Macomb, Ill. Hand-carts and shop-trucks. No. 117,402; July 10; v. 240; p. 635.
- American Steel Products Co., Macomb, Ill. Hog-oilers. No. 117,502; July 17; v. 240; p. 935.
- American Stove Company, St. Louis, Mo. Electric cooking stoves, electric ranges, and electric heating-stoves. No. 119,025; Oct. 23; v. 243; p. 1059.
- American Sugar Company, Ltd., Honolulu, Hawaii. Beeswax. No. 115,429; Feb. 13; v. 235; p. 691.
- American Sugar Refining Company, The, Jersey City, N. J., and New York, N. Y. Sugar. Nos. 115,270-1; Feb. 6; v. 235; p. 317.
- American Sugar Refining Company, The, Jersey City, N. J., and New York, N. Y. Invert-sugar for use as a food. No. 115,571; Feb. 27; v. 235; p. 1349.
- American Sugar Refining Company, The, Jersey City, N. J., and New York, N. Y. Sugar for use as a food. No. 116,497; May 8; v. 238; p. 645.
- American Tar Products Company, Dover, Del., and Chicago, Ill. Bituminous-tar binder for roads. No. 115,912; Mar. 27; v. 236; p. 1215.
- American Tobacco Co., The, New York, N. Y. Smoking and chewing tobacco, tobacco plugs, and cigarettes. No. 118,372; Sept. 4; v. 242; p. 249.
- American Wagon Company, Chicago, Ill. Wagon and truck bodies. No. 117,808; Aug. 7; v. 241; p. 293.
- American Wool Improvement Association, Salt Lake City, Utah. Wool. No. 117,083; June 19; v. 239; p. 933.
- American Wringer Company, The, New York, N. Y. Clothes-wringers and parts thereof. No. 114,921; Jan. 16; v. 234; p. 1039.
- American Wringer Company, The, New York, N. Y. Clothes-wringers and parts thereof. No. 116,027; Apr. 3; v. 237; p. 305.
- American Wringer Company, The, New York, N. Y. Clothes-wringers and parts thereof. No. 117,084; June 19; v. 239; p. 933.
- American Wringer Company, The, New York, N. Y. Clothes-wringers and parts thereof. No. 118,458; Sept. 11; v. 242; p. 513.
- American Writing Paper Co., Holyoke, Mass. Writing and printing paper. No. 115,052; Jan. 23; v. 234; p. 1307.
- Amerise, Filomena, Hazleton, Pa. Macaroni. No. 115,913; Mar. 27; v. 236; p. 1215.
- Ames Chemical Co., The, Inc., Binghamton, N. Y. Natural tropical herbal treatment for diabetes and glabetic disorders. No. 117,809; Aug. 7; v. 241; p. 293.
- Ames Shovel & Tool Company, Jersey City, N. J., and Boston, Mass. Shovels, spades, and scoops. Nos. 114,673-4; Jan. 2; v. 234; p. 367.
- Amory, Browne & Co., Boston, Mass. Cotton piece goods. No. 118,941; Oct. 16; v. 243; p. 789.
- Amoskeag Manufacturing Company, Manchester, N. H. Cotton piece goods. No. 115,430; Feb. 13; v. 235; p. 691.
- Ampoule Drug Company, Inc., New York, N. Y. Certain named chemicals, medicines, and pharmaceutical preparations. No. 115,272; Feb. 6; v. 235; p. 317.
- Amsden, Effa B., Minneapolis, Minn. Certain named clothing. No. 114,855; Jan. 9; v. 234; p. 667.
- Anaconda Copper Mining Company, Anaconda and Butte, Mont., and New York, N. Y. Spelter or zinc. No. 115,138; Jan. 30; v. 234; p. 1577.
- Anaheim Citrus Fruit Association, Anaheim, Cal. Oranges. No. 118,136; Aug. 21; v. 241; p. 905.
- Anciens Etablissements A. Combe & Fils & Cie., Paris, France. Leather and skins. No. 118,459; Sept. 11; v. 242; p. 513.
- Andersen Meyer & Company, Ltd., New York, N. Y. Hair-nets. No. 116,965; June 5; v. 239; p. 315.
- Anderson & Company, John R., New York, N. Y. Mineral waxes, and particularly electrolytizers' wax. No. 117,971; Aug. 14; v. 241; p. 615.
- Anderson Rolled Gear Company, The, Lakewood, Ohio. Gears. No. 115,572; Feb. 27; v. 235; p. 1349.
- Anderson, William G., Belfast, Ireland. Toy building-blocks. No. 119,161; Oct. 30; v. 243; p. 1305.
- Andrews Steel Company, Newport, Ky. Steel ingots, billets, slabs, and sheet-bars. No. 119,599; Dec. 4; v. 245; p. 275.
- Angel & Co., Alejandro, New York, N. Y. Coffee. No. 117,017; June 12; v. 239; p. 651.
- Angell, Harry C., Grand Rapids, Mich. Lumber and shingles. No. 115,273; Feb. 6; v. 235; p. 317.
- Anglo-American Mill Co., The, Owensboro, Ky. Flour-mills. No. 118,613; Sept. 25; v. 242; p. 987.
- Anglo-Mexican Petroleum Products Co., Ltd., The, London, England. Bitumen, raw or partly prepared, for use in manufactures. No. 114,675; Jan. 2; v. 234; p. 367.
- Anglo-Mexican Petroleum Products Co. Ltd., The, London, England. Blocks and slabs for use in road construction. No. 116,111; Apr. 10; v. 237; p. 617.
- Anheuser-Busch Brewing Association, St. Louis, Mo. Non-intoxicating cereal beverage. No. 116,197; Apr. 17; v. 237; p. 913.
- Annan-Burg Grain & Milling Company, St. Louis, Mo. Wheat-flour, grain, and mill feed. No. 118,735; Oct. 2; v. 243; p. 235.
- Anthony Ice & Salt Company, The, Anthony, Kans. Table-salt. No. 119,488; Nov. 27; v. 244; p. 1081.
- Anthony, Sam, Johnstown, Pa. Remedy for rheumatism. No. 115,914; Mar. 27; v. 236; p. 1215.
- Antikamnia Chemical Company, The, St. Louis, Mo. Medicinal tablets for headaches, neuralgia, rheumatism, &c. No. 119,629; Dec. 11; v. 245; p. 545.
- Anzac Company, Boston, Mass. Cereal beverage sold as soft drink. Nos. 117,085-7; June 19; v. 239; p. 933.
- Anzelewitz, Vera, New York, N. Y. Snap-fasteners. No. 119,938; Dec. 25; v. 245; p. 1021.
- Apco Asphalt Roofing Co., New York, N. Y. Asphalt roofing. No. 117,088; June 19; v. 239; p. 933.
- Apex Electric Manufacturing Company, Chicago, Ill. Automobile-gasoline-tank filling and measuring devices. No. 114,922; Jan. 16; v. 234; p. 1039.
- Apex Electrical Manufacturing Company, The, Cleveland, Ohio. Electric suction-cleaners. No. 116,198; Apr. 17; v. 237; p. 913.
- Apex Manufacturing Co., Providence, R. I. Lubricants. No. 116,028; Apr. 3; v. 237; p. 305.
- Appelbaum, Misha, New York, N. Y. Printed folders and magazines issued monthly. No. 116,743; May 22; v. 238; p. 1325.
- Applefeld, Samuel C., Baltimore, Md. Men's and boys' suits, overcoats, and trousers. No. 117,972; Aug. 14; v. 241; p. 615.
- Appleton Company, Lowell, Mass. Cotton piece goods. Nos. 115,915-22; Mar. 27; v. 236; p. 1215.
- Appleton Company, Lowell, Mass. Fancy goods in the piece—viz., gingham, shirtings, and cotton flannels. No. 119,630; Dec. 11; v. 245; p. 545.
- Apsley Rubber Co., Hudson, Mass. Canvas and cloth top and outing shoes and rubber and composition soles. No. 119,860; Dec. 18; v. 245; p. 839.
- Aquino, Giovanni, New York, N. Y. Italian wines. No. 118,736; Oct. 2; v. 243; p. 235.
- Arbuckle Brothers, New York, N. Y., and Chicago, Ill. Teas and coffees. No. 118,257; Aug. 28; v. 241; p. 1151.
- Arcady Farms Milling Company, Rondout, Ill. Dairy and stock feeds. No. 115,719; Mar. 6; v. 236; p. 277.
- Arco Company, The, Cleveland, Ohio. Ready-mixed paints, varnishes, and fillers. No. 117,503; July 17; v. 240; p. 935.
- Arco Company, The, Cleveland, Ohio. Prepared paints for various purposes. No. 117,504; July 17; v. 240; p. 935.
- Arco Company, The, Cleveland, Ohio. Certain named construction materials. No. 118,847; Oct. 9; v. 243; p. 519.
- Ardin, Lucien, New York, N. Y. Appetizer made from select old wines. No. 116,498; May 8; v. 238; p. 645.
- Arentox Company, Des Moines, Iowa. Fire-retardant. No. 117,973; Aug. 14; v. 241; p. 615.
- Ariston Hat Mfg. Co., Peekskill, N. Y. Hats. No. 115,573; Feb. 27; v. 235; p. 1349.
- Arkadelphia Milling Company, Arkadelphia, Ark. Wheat-flour. No. 117,731; July 31; v. 240; p. 1445.
- Arlington Chemical Co., The, Yonkers, N. Y. Medicinal preparation on the order of the Bulgarian bacillus. No. 119,489; Nov. 27; v. 244; p. 1081.
- Arlington Mills, Lawrence and Boston, Mass. Worsted yarns. No. 119,861; Dec. 18; v. 245; p. 839.
- Armand Company, The, Des Moines, Iowa. Face-powder, cold-cream, hair-wash, rouge, &c. No. 115,053; Jan. 23; v. 234; p. 1307.
- Armand Company, The, Des Moines, Iowa. Face-powder, cold-cream, hair-wash, rouge, &c. No. 115,274; Feb. 6; v. 235; p. 317.
- Armand Company, The, Des Moines, Iowa. Toilet soaps. No. 117,631; July 24; v. 240; p. 1161.
- Armour and Company, Chicago, Ill. Bacon and hams. No. 115,054; Jan. 23; v. 234; p. 1307.
- Armour Grain Company, Jersey City, N. J., and Chicago, Ill. Clipped white oats. Nos. 114,856-7; Jan. 9; v. 234; p. 667.
- Armour Grain Company, Jersey City, N. J., and Chicago, Ill. Mixture of clipped white oats and barley. No. 115,141; Jan. 30; v. 234; p. 1577.
- Armour Grain Company, Jersey City, N. J., and Chicago, Ill. Rolled white oats. No. 117,089; June 19; v. 239; p. 933.
- Armstrong Bros. Tool Co., Chicago, Ill. Certain named cutlery, machinery, and tools. No. 115,574; Dec. 27; v. 235; p. 1349.
- Armstrong Cork Company, Pittsburgh, Pa. Cork composition for gaskets and washers. No. 115,474; Feb. 20; v. 235; p. 1049.
- Armstrong Cork Company, Pittsburgh, Pa. Innersoling for shoes. No. 116,744; May 22; v. 238; p. 1325.
- Armstrong Cork Company, Pittsburgh, Pa. Cork composition used as a covering for rolls and other objects. No. 118,942; Oct. 16; v. 243; p. 789.
- Armstrong Cork Company, Pittsburgh, Pa. Material for use in the manufacture of slip-insoles for shoes. No. 119,162; Oct. 30; v. 243; p. 1305.

Alphabetical list of registrants of trade-marks—Continued.

- Armstrong Packing Company, Dallas, Tex. Cooking-oil. No. 117,732; July 31; v. 240; p. 1445.
- Armstrong Packing Company, Dallas, Tex. Salad-oil. No. 117,733; July 31; v. 240; p. 1445.
- Armstrong Packing Company, Dallas, Tex. Bacon. No. 118,373; Sept. 4; v. 242; p. 249.
- Armstrong Packing Company, Dallas, Tex. Lard substitute compound of cotton-seed oil and oleo-stearin. No. 118,484; Sept. 18; v. 242; p. 743.
- Armstrong Packing Company, Dallas, Tex. Shortening composed of cotton-seed oil and oleo-stearin. No. 118,485; Sept. 18; v. 242; p. 743.
- Armstrong Packing Company, Dallas, Tex. Sugar-cured bacon. No. 119,027; Oct. 23; v. 243; p. 1059.
- Armstrong Seatag Corporation, Hampton, Va. Canned raw oysters. No. 118,774; Sept. 4; v. 242; p. 249.
- Army Field Service Shoe Co. Inc., New York, N. Y. Boots and shoes. No. 118,137; Aug. 21; v. 241; p. 905.
- Arnold Co., D. H., The, New York, N. Y. Mercerized cotton for linings. No. 115,575; Feb. 27; v. 235; p. 1349.
- Aromint Company, The, Cincinnati, Ohio. Candy. No. 117,810; Aug. 7; v. 241; p. 293.
- Aromint Company, The, Cincinnati, Ohio. Candy tablets. No. 117,811; Aug. 7; v. 241; p. 293.
- Aromint Company, The, Cincinnati, Ohio. Chewing-gum. No. 118,258; Aug. 28; v. 241; p. 1151.
- Arrow Fuse & Mfg. Co., Milwaukee, Wis. Certain named electrical apparatus, machines, and supplies. No. 119,490; Nov. 27; v. 244; p. 1081.
- Art Embroidery and Button Co., Inc., Louisville, Ky. Embroidery-floss. No. 119,163; Oct. 30; v. 243; p. 1305.
- Art Metal Construction Co., Inc., Jamestown, N. Y. Magazine or journal issued monthly. No. 115,142; Jan. 30; v. 234; p. 1577.
- Art Metal Construction Co., Inc., Jamestown, N. Y. Safes. No. 117,090; June 19; v. 239; p. 933.
- Art Metal Construction Co., Inc., Jamestown, N. Y. Partitions, doors, metallic gratings for banks, &c., railings, stairs. No. 117,091; June 19; v. 239; p. 933.
- Art Metal Construction Co., Inc., Jamestown, N. Y. Safety-deposit boxes. No. 117,092; June 19; v. 239; p. 933.
- Art Metal Works, The, Newark, N. J. Automobile-radiator ornaments. No. 119,164; Oct. 30; v. 243; p. 1305.
- Artcraft Pictures Corporation, New York, N. Y. Moving-picture films. No. 117,974; Aug. 14; v. 241; p. 615.
- Artfilm Studios, Cleveland, Ohio. Positive and negative picture-films. No. 116,270; Apr. 24; v. 237; p. 1213.
- Arvac Manufacturing Company, Anderson, Ind. Universal joints. No. 115,576; Feb. 27; v. 235; p. 1349.
- Arvac Manufacturing Company, Anderson, Ind. Gray iron metal castings. No. 115,577; Feb. 27; v. 235; p. 1349.
- Asbestos Fibre & Rubber Co., Trenton, N. J. Compressed-fibre sheet-packing. No. 116,936; June 5; v. 239; p. 315.
- Aseptic Products Company, Long Island City, N. Y. Certain named chemical and pharmaceutical preparations. No. 115,475; Feb. 20; v. 235; p. 1049.
- Aseptol Company, The, New York, N. Y. Preparations for treating certain named diseases and affections. No. 119,241; Nov. 13; v. 244; p. 557.
- Ash, Green, East Gadsden, Ala. Preparation for the treatment of kidney and blood diseases. No. 116,873; June 5; v. 239; p. 313.
- Ash Grove Lime & Portland Cement Co., Kansas City, Mo. Soil corrective and fertilizer. No. 118,460; Sept. 11; v. 242; p. 513.
- Ash Madden Rae Co., Chicago, Ill. Women's and girls' coats, suits, skirts, dress-waists, &c. No. 117,403; July 10; v. 240; p. 635.
- Ashburn, Columbus P., Bristol, Va. Remedy for diphtheria and sore throat. No. 115,476; Feb. 20; v. 235; p. 1049.
- Ashland Products Co., The, Ashland, Ohio. Automobile and tire-saver jacks. No. 119,491; Nov. 27; v. 244; p. 1081.
- Asquith, William G., London, England. Nerve- tonic food primarily for medicinal purposes. No. 119,862; Dec. 18; v. 245; p. 839.
- Associated Manufacturers Company of New York, New York, N. Y. Certain named packing. No. 115,143; Jan. 30; v. 234; p. 1577.
- Atkinson, W. M., Minneapolis, Minn. Wheat-flour. No. 115,055; Jan. 23; v. 234; p. 1307.
- Atlanta Refining & Manufacturing Company, Atlanta, Ga. Oleaginous compound for use as a pastry-shortening. No. 115,923; Mar. 27; v. 236; p. 1215.
- Atlantic Drier & Varnish Co., Philadelphia, Pa. Certain named paints and painters' materials. Nos. 116,574-5; May 15; v. 238; p. 975.
- Atlantic Insulated Wire & Cable Company, Jersey City, N. J., and Stamford, Conn. Insulated wire. No. 114,658; Jan. 9; v. 234; p. 667.
- Atlantic Refining Company, The, Philadelphia, Pa. Certain named oils and greases. No. 117,283; July 3; v. 240; p. 333.
- Atlantic Refining Company, The, Philadelphia, Pa. Road and roofing oils and petroleum asphalt and pitches. No. 119,631; Dec. 11; v. 245; p. 545.
- Atlantic Trust Company, Jacksonville, Fla. Brooms. No. 118,375; Sept. 4; v. 242; p. 249.
- Atlas Auto Specialties Corporation, New York, N. Y. Auxiliary carbureters. No. 119,492; Nov. 27; v. 244; p. 1081.
- Atlas Crucible Steel Company, Dunkirk, N. Y. Tool-steels. Nos. 115,275-6; Feb. 6; v. 235; p. 317.
- Atlas Crucible Steel Company, Dunkirk, N. Y. Tool-steels. No. 116,393; May 1; v. 238; p. 305.
- Atlas Crucible Steel Company, Dunkirk, N. Y. Tool-steels. Nos. 117,505-6; July 17; v. 240; p. 935.
- Atlas Embroidery Works, Brooklyn, N. Y. Laces by the piece. No. 117,734; July 31; v. 240; p. 1445.
- Atlas Portland Cement Company, The, Northampton, Pa., and New York, N. Y. Monthly magazine. No. 114,677; Jan. 2; v. 234; p. 367.
- Aubry Sisters, Inc., New York, N. Y. Extract perfumes, eau de toilette, sachets, face and talcum powder. No. 119,632; Dec. 11; v. 245; p. 545.
- Auburn Converting Company, Auburn, N. Y. Twine. No. 119,165; Oct. 30; v. 243; p. 1305.
- Auerbach & Sons, D., New York, N. Y. Candy. No. 118,848; Oct. 9; v. 243; p. 519.
- Auerbach & Sons, D., New York, N. Y. Candy. Nos. 119,242-3; Nov. 13; v. 244; p. 557.
- Augenbaugh & Co., Everett, Waseca, Minn. Wheat-flour, bran, offal, screenings and middlings, and mixed feed. No. 118,763; Oct. 2; v. 243; p. 236.
- August Buermann Manufacturing Company, Newark, N. J. Bits, spurs, stirrups, and saddlery hardware. No. 115,295; Feb. 6; v. 235; p. 318.
- Aunt Jemima Mills Company, St. Joseph, Mo. Corn-meal. No. 116,271; Apr. 24; v. 237; p. 1213.
- Aunt Jemima Mills Company, St. Joseph, Mo. Pancake, buckwheat, corn, and wheat flours. No. 118,737; Oct. 2; v. 243; p. 235.
- Aunt Jane Co., Arlington, Mass. Horse-radish, piccalilli, salad-dressing, mayonnaise, &c. No. 119,723; Dec. 11; v. 245; p. 548.
- Austin Company, The, Providence, R. I. Talking-machines. No. 115,056; Jan. 23; v. 234; p. 1307.
- Austin Garment Co., Elizabeth, Minneapolis, Minn. Wash-dresses, bibs, and aprons. No. 118,138; Aug. 21; v. 241; p. 905.
- Austin, Nichols & Co., Inc., Brooklyn and New York, N. Y. Paprika. No. 114,678; Jan. 2; v. 234; p. 367.
- Austin, Nichols & Co., Inc., Brooklyn and New York, N. Y. Grape-juice and apple nectar. No. 114,859; Jan. 9; v. 234; p. 667.
- Austin, Nichols & Co., Inc., Brooklyn and New York, N. Y. Macaroni, preserved figs, ripe olives. No. 115,720; Mar. 6; v. 236; p. 277.
- Austin, Nichols & Co., Inc., Brooklyn and New York, N. Y. Salt, bluing. No. 116,874; June 5; v. 239; p. 313.
- Autif Company, The, San Francisco, Cal. Tire-fillers. No. 114,679; Jan. 2; v. 234; p. 367.
- Auto-Kamp Equipment Co., Inc., Saginaw, Mich. Automobile-trailers. No. 115,057; Jan. 23; v. 234; p. 1307.
- Auto Vacuum Freezer Company, Inc., New York, N. Y. Liquid-freezers. No. 115,277; Feb. 6; v. 235; p. 317.
- Auto Vacuum Freezer Company, Inc., New York, N. Y. Liquid-freezers. No. 118,849; Oct. 9; v. 243; p. 519.
- Automatic Pencil Sharpener Company, Chicago, Ill. Pencil-sharpeners. No. 119,166; Oct. 30; v. 243; p. 1305.
- Automobile Accessories Co., Baltimore, Md. Piston-rings. No. 118,486; Sept. 18; v. 242; p. 743.
- Automobile Club of Rochester, Rochester, N. Y. Monthly magazine. No. 118,139; Aug. 21; v. 241; p. 905.
- Automobile Route Book Company, The, Kansas City, Mo. Guide-books published annually in the spring of each year. No. 117,947; Aug. 7; v. 241; p. 297.
- Automotive Engineering Publishing Co., Inc., Bridgeport, Conn. Monthly magazine. No. 117,404; July 10; v. 240; p. 635.
- Autoyre Co., The, Oakville, Conn. Snap-fasteners. Nos. 115,721-2; Mar. 6; v. 236; p. 277.
- Autoyre Co., The, Oakville, Conn. Snap-fasteners. No. 118,738; Oct. 2; v. 243; p. 235.
- Autoyre Company, The, Oakville, Conn. Snap-buttons used as garment-fasteners. No. 118,739; Oct. 2; v. 243; p. 235.
- Autoyre Co., Oakville, Conn. Snap-fasteners. No. 119,422; Nov. 20; v. 244; p. 813.
- Avalon Farms Company, The, Chicago, Ill. Certain named medicines and pharmaceutical preparations. No. 115,723; Mar. 6; v. 236; p. 277.
- Averell, Albert J., Medford, Oreg. Electric spitters. No. 118,614; Sept. 25; v. 242; p. 987.
- B. Altman & Co., New York, N. Y. Neckties. No. 115,716; Mar. 6; v. 236; p. 277.
- B. Altman & Co., New York, N. Y. Upholstered chairs and settees. No. 118,732; Oct. 2; v. 243; p. 235.
- B. & B. Sign Co., New York, N. Y. Advertising-signs. No. 118,259; Aug. 28; v. 241; p. 1151.
- B. Camp y Ca., S. En C., Santiago de Cuba, Cuba. Rum. No. 119,504; Nov. 27; v. 244; p. 1081.
- B. Camp y Ca., S. En C., Santiago, Cuba. Rum. No. 119,651; Dec. 11; v. 245; p. 546.
- B. Cohen & Co., Inc., New York, N. Y. Certain named ladies' clothing. No. 116,120; Apr. 10; v. 237; p. 617.
- B. Miffin Hood Brick Co., Atlanta, Ga. Brick and tile. No. 119,199; Oct. 30; v. 243; p. 1306.
- B. A. Eckhart Milling Co., Chicago, Ill. Wheat-flour. No. 115,074; Jan. 23; v. 234; p. 1307.

- B. D. G. Liniment Co., New Haven, Conn. Remedy (in liquid form) for certain named diseases. No. 115,478; Feb. 20; v. 235; p. 1049.
- D. F. Goodrich Company, The, New York, N. Y., and Akron, Ohio. Rubber boots, shoes, shoe-packs, and rubber shoes with leather tops. No. 118,178; Aug. 21; v. 241; p. 906.
- B. J. Johnson Soap Co., Inc., Milwaukee, Wis. Substitute for butter. No. 117,873; Aug. 7; v. 241; p. 295.
- B. K. Mfg. Co., The, Michigan City, Ind. Ladies' and misses' dresses, bungalow-aprons, middie-blouses, and wash-skirts. No. 116,029; Apr. 3; v. 237; p. 305.
- O. Bowers Co., New York, N. Y. Canned shrimps and sardines in olive and cotton-seed oils. No. 117,820; Aug. 7; v. 241; p. 293.
- B. O. & G. C. Wilson, Inc., Boston, Mass. Medicinal preparations for treating certain named diseases. No. 116,871; May 29; v. 238; p. 1637.
- B. T. Babbitt Corporation, Jersey City, N. J., and New York, N. Y. Soap powder. No. 118,615; Sept. 25; v. 242; p. 987.
- Baca, Fermin L., Bexar county, Tex. Medicinal preparation for the kidneys and liver. No. 114,924; Jan. 16; v. 234; p. 1039.
- Bacchus Marsh Concentrated Milk Co. Ltd., The. Melbourne, Victoria, Australia. Milk food for infants and invalids. No. 115,865; Feb. 6; v. 235; p. 320.
- Bachmeier & Co. Inc., New York, N. Y. Dyes. No. 117,975; Aug. 14; v. 241; p. 615.
- Bader, William J., Philadelphia, Pa. Candy. No. 114,680; Jan. 2; v. 234; p. 367.
- Baer Brothers, New York, N. Y. White enamel. No. 117,507; July 17; v. 240; p. 935.
- Baer, Gertrude, Brooklyn, N. Y. Metal-polish. No. 114,681; Jan. 2; v. 234; p. 367.
- Baers, Canton, Ohio. Monthly publication. No. 118,487; Sept. 18; v. 242; p. 743.
- Bailey, Mabel N., Oakland, Cal. Chocolate confections. No. 117,735; July 31; v. 240; p. 1445.
- Bailey, Martin, Jersey City, N. J. Malt liquors. No. 118,616; Sept. 25; v. 242; p. 987.
- Bain Peanut Co., Inc., The, Wakefield, Va. Peanuts. No. 116,272; Apr. 24; v. 237; p. 1213.
- Baker, George A., South Bend, Ind. Certain named toys. No. 119,028; Oct. 23; v. 243; p. 1059.
- Baker Packing Company, Chicago, Ill. Canned meats and products. No. 119,633; Dec. 11; v. 245; p. 545.
- Balboa Amusement Producing Company, Long Beach, Cal. Both positive and negative cineograph and moving-picture films. No. 115,144; Jan. 30; v. 234; p. 1577.
- Balboa Amusement Producing Company, Long Beach, Cal. Both positive and negative cineograph and moving-picture films. No. 118,617; Sept. 25; v. 242; p. 987.
- Baldwin Refrigerator Co., The, Burlington, Vt. Refrigerators. No. 117,508; July 17; v. 240; p. 935.
- Bales Puncture Plugger Company, Indianapolis, Ind. Puncture-pluggers for tires. No. 117,736; July 31; v. 240; p. 1445.
- Ballard & Company, F. W., Cleveland, Ohio. Certain named prints and publications. No. 117,632; July 24; v. 240; p. 1161.
- Ballard, Elijah F., Dallas, Tex. Certain polish for floor-surfaces, furniture, and automobiles. No. 118,618; Sept. 25; v. 242; p. 987.
- Ballard, P. D., Citronelle, Ala. Leather-dressing. No. 118,140; Aug. 21; v. 241; p. 905.
- Ballard, Thomas S., Grand Island, Nebr. Preparation for cleaning windows. No. 115,477; Feb. 20; v. 235; p. 1049.
- Balstone, Cooke & Co. Ltd., Manchester, England. Velvets, velveteens, satens, cords, &c. No. 115,058; Jan. 23; v. 234; p. 1307.
- Balstone, Cooke & Co. Ltd., Manchester, England. Velvets, velveteens, velveteens, corduroys, &c. No. 115,924; Mar. 27; v. 236; p. 1215.
- Baltimore Bargain House, Baltimore, Md. Cambrics, nainsooks, and muslins in the piece. No. 116,030; Apr. 3; v. 237; p. 305.
- Baltimore Pearl Hominy Company, Baltimore, Md. Certain named foods and ingredients. No. 115,278; Feb. 6; v. 235; p. 317.
- Baltimore Pearl Hominy Company, Baltimore, Md. Corn flakes. No. 117,737; July 31; v. 240; p. 1445.
- Baltimore Roofing and Asbestos Mfg. Co., Wilmington, Del., and Asbestos, Md. Prepared asphalt roofing. No. 115,279; Feb. 6; v. 235; p. 317.
- Baltimore Roofing & Asbestos Manufacturing Co., Wilmington, Del., and Asbestos, Md. Prepared asphalt roofing. No. 116,576; May 15; v. 238; p. 975.
- Balz, George A., Rahway, N. J. Refractory bricks, tiles, and furnace-linings. No. 119,030; Oct. 23; v. 243; p. 1059.
- Bamacea Company, Inc., Boston, Mass. Soap. No. 119,635; Dec. 11; v. 245; p. 545.
- Bamacea Company, Inc., Boston, Mass. Cough-tablets, oil liniment, salve, and suppositories. No. 119,864; Dec. 18; v. 245; p. 839.
- Banks Supply Company, Huntington, W. Va. Rolled ready-to-lay roofing made of a composition of asphalt and wood felt. No. 119,031; Oct. 23; v. 243; p. 1059.
- Banner Coffee Co., Milwaukee, Wis. Ammonia compound, cold-water starch, bluing, baking-soda, &c. No. 114,682; Jan. 2; v. 234; p. 367.
- Baptisine Pharmacal Co., The, St. Louis, Mo. Antiseptic lotion. No. 116,112; Apr. 10; v. 237; p. 617.
- Barber Asphalt Paving Company, The, Philadelphia, Pa. Bituminous waterproof roofing-sheets. No. 118,260; Aug. 28; v. 241; p. 1151.
- Barber, George R., Clarks Summit, Pa. Polish for automobile-bodies. No. 114,860; Jan. 9; v. 234; p. 667.
- Barclay & Barclay, New York, N. Y. Soaps. No. 115,578; Feb. 27; v. 235; p. 1349.
- Bardinet, Les fils de P., Caudevan, near Bordeaux, France. Rum. No. 118,141; Aug. 21; v. 241; p. 905.
- Bargar Mfg. Co., The, Columbus, Ohio. Chemical fire-extinguishers. No. 114,861; Jan. 9; v. 234; p. 667.
- Barilli, Martin, New Haven, Conn. Finishing oils and stains. No. 114,683; Jan. 2; v. 234; p. 367.
- Baring, John, Chicago, Ill. Medical preparation for internal use for the treatment of diabetes. No. 116,394; May 1; v. 235; p. 305.
- Barkneyer Grain & Seed Co., Great Falls, Mont. Seeds. No. 119,167; Oct. 30; v. 243; p. 1305.
- Barker Bros., Los Angeles, Cal. Talking-machines. No. 119,939; Dec. 25; v. 245; p. 1021.
- Barker, Fred L., Minneapolis, Minn. Capsules containing atropin, strychnin, and extract cannabis indica used as home liquor and drug treatment. No. 116,499; May 8; v. 238; p. 645.
- Barley Foods Co., Morgantown, W. Va. Specially-prepared barley. No. 116,274; Apr. 24; v. 237; p. 1213.
- Barley Foods Co., Morgantown, W. Va. Buckwheat-flour. No. 116,275; Apr. 24; v. 237; p. 1213.
- Barley Foods Co., Morgantown, W. Va. Specially-prepared and pearl barley. No. 116,395; May 1; v. 238; p. 305.
- Barlow Oil Co., Houston, Tex. Composition formed of solid material treated with a combustible chemical. No. 115,579; Feb. 27; v. 235; p. 1349.
- Barnes, William S., Chicago, Ill. Power-driven tractors for farm, industrial, and commercial uses. Nos. 114,925-6; Jan. 16; v. 234; p. 1039.
- Barnett, Morris H., Springfield, Mass. Cigars. No. 118,740; Oct. 2; v. 243; p. 235.
- Barnett, Samuel & Sons, Ltd., London, England. Gramophones, phonographs, and records for the same. No. 115,901; Mar. 20; v. 236; p. 885.
- Baron, Leon, New York, N. Y. Cleansing the hair of all nits, vermin, dandruff, germs, and dirt. No. 115,280; Feb. 6; v. 235; p. 317.
- Baron, Leon, New York, N. Y. Inflammations, eruptions, and irritations of the skin. No. 115,580; Feb. 27; v. 235; p. 1349.
- Barrett-Cravens Company, Chicago, Ill. Elevating-trucks. No. 119,636; Dec. 11; v. 245; p. 545.
- Barrington Graphoprint Company Incorporated, New York, N. Y. Skeleton drawings for aids in child instruction. Nos. 114,927-8; Jan. 16; v. 234; p. 1039.
- Barrington Graphoprint Company, Incorporated, New York, N. Y. Skeleton drawings for use as aids in child instruction. No. 115,145; Jan. 30; v. 234; p. 1577.
- Barron, John P., Butte, Mont. Furniture, piano, and automobile polish and varnish-renewer. No. 114,862; Jan. 9; v. 234; p. 667.
- Barry, Edward J., New York, N. Y. Toilet lotion. No. 119,865; Dec. 18; v. 245; p. 839.
- Bartels & Thelen Company, Chelsea, Mass. Leather and fabric boots and shoes. No. 119,866; Dec. 18; v. 245; p. 839.
- Bartlett Springs Co., San Francisco, Cal. Natural and carbonated mineral water and non-alcoholic carbonated tonic beverages. No. 114,863; Jan. 9; v. 234; p. 667.
- Barton Salt Company, The, Hutchinson, Kans. Table-salt. No. 119,493; Nov. 27; v. 244; p. 1081.
- Basic Products Corporation, New York, N. Y. Solidified alcohol. No. 119,245; Nov. 13; v. 244; p. 557.
- Basic Products Corporation, New York, N. Y. Metal cooking utensils. No. 119,867; Dec. 18; v. 245; p. 839.
- Basic Products Corporation, New York, N. Y. Solidified alcohol. No. 119,868; Dec. 18; v. 245; p. 839.
- Bass, Shepard C., Fort Meyers, Fla. Citrus fruits. No. 115,281; Feb. 6; v. 235; p. 317.
- Bastian-Blessing Company, The, Chicago, Ill. Regulating and reducing valves and other metallic valves for general purposes. No. 115,833; Mar. 13; v. 236; p. 591.
- Batchelder Manufacturing Co., Inc., New York, N. Y. Bracelets, belt-buckles, link-buttons, lavallieres, and brooches. No. 115,874; Mar. 20; v. 236; p. 885.
- Bates, Joseph D., Springfield, Mass. Monthly publication. No. 118,142; Aug. 21; v. 241; p. 905.
- Batterman Rubber Company, Boston, Mass. Leather, canvas, and composition shoes and rubber overshoes. No. 118,850; Oct. 9; v. 243; p. 519.
- Bauer and Bauer, Bridgeport, Pa. Corn-starch. Nos. 115,146-8; Jan. 30; v. 234; p. 1577.
- Bauer & Black, Chicago, Ill. Liquid court-plaster. No. 114,929; Jan. 16; v. 234; p. 1039.
- Bauer & Black, Chicago, Ill. Medicated, court, isinglass, mustard, corn, and bunion plasters, &c. No. 118,742; Oct. 2; v. 243; p. 235.
- Bauer-Hancock Co., Anderson, Ind. Cleaning compound especially prepared for treating certain named fabrics and surfaces. No. 118,143; Aug. 21; v. 241; p. 905.
- Baumgartner, Moses M., Freeport, Ill. Rice. No. 117,510; July 17; v. 240; p. 935.

Alphabetical list of registrants of trade-marks—Continued.

- Bausch & Lomb Optical Co., Rochester, N. Y. Certain named measuring and scientific appliances. No. 117,976; Aug. 14; v. 241; p. 615.
- Baxter & Bro., H. C., Brunswick, Me. Canned vegetables, particularly canned corn, lima beans, and succotash. No. 117,812; Aug. 7; v. 241; p. 293.
- Bayer Company, Inc., The, New York, N. Y. Intestinal astringent and antispasmodic. No. 119,637; Dec. 11; v. 245; p. 545.
- Bayley Manufacturing Company, Milwaukee, Wis. Steam generators and radiators. No. 118,743; Oct. 2; v. 243; p. 235.
- Bayou Land & Lumber Company, The, Cincinnati, Ohio. Hardwood lumber. No. 114,864; Jan. 9; v. 234; p. 667.
- Bayou Land & Lumber Company, The, Cincinnati, Ohio. Hardwood lumber. No. 119,494; Nov. 27; v. 244; p. 1081.
- Bayside Fish Co., Monterey, Cal. Sardines. No. 119,247; Nov. 13; v. 244; p. 557.
- Beacon Falls Rubber Shoe Company, The, Beacon Falls, Conn. Rubber boots and shoes. No. 115,431; Feb. 13; v. 235; p. 691.
- Beacon Falls Rubber Shoe Company, The, Beacon Falls, Conn., assignor to The Beacon Falls Rubber Shoe Company, Boston, Mass. Certain named boots and shoes made partly or wholly of rubber. Nos. 117,977-8; Aug. 14; v. 241; p. 615.
- Beacon Falls Rubber Shoe Company, The, Beacon Falls, Conn. Rubber boots and shoes. No. 118,851; Oct. 9; v. 243; p. 519.
- Beacon Motor Supply Company, Springfield, Mass. Machinery-lubricating oil. No. 114,684; Jan. 2; v. 234; p. 367.
- Beacon Rubber Company, Lynn, Mass. Rubber heels and soles. No. 117,813; Aug. 7; v. 241; p. 293.
- Beacon Tire Company, Inc., Beacon, N. Y. Pneumatic rubber automobile-tires. No. 114,685; Jan. 2; v. 234; p. 367.
- Beadleston & Woerz, New York, N. Y. Non-intoxicating carbonated beverage sold as a soft drink. No. 119,423; Nov. 20; v. 244; p. 813.
- Beane, Nannie L., Parkin, Ark. Hair-grower. No. 117,284; July 3; v. 240; p. 333.
- Bear & Glick, Chicago, Ill. Pressure-indicating devices. No. 116,577; May 15; v. 238; p. 975.
- Beau-Site Company, New York, N. Y. Butter. No. 117,019; June 12; v. 239; p. 651.
- Beau-Site Company, The, New York, N. Y. Cigars and cigarettes. No. 117,633; July 24; v. 240; p. 1161.
- Beau-Site Company, New York, N. Y. Coffee. No. 118,376; Sept. 4; v. 242; p. 249.
- Beauchamp, Roscoe F., Philadelphia, Pa. Salves to be applied externally for certain named skin diseases. No. 115,282; Feb. 6; v. 235; p. 317.
- Beaver Board Companies, The, Buffalo, N. Y. Wall-board. No. 115,479; Feb. 20; v. 235; p. 1049.
- Beaver Company, The, Buffalo, N. Y. Decorated boxes. Nos. 115,875-6; Mar. 20; v. 236; p. 885.
- Beaver Company, The, Buffalo, N. Y. Folding and combination screens made of wood, fiber, and like materials. No. 116,199; Apr. 17; v. 237; p. 913.
- Beaver Company, The, Buffalo, N. Y. Folding and combination screens and racks of wood, fiber, &c. Nos. 116,276-8; Apr. 24; v. 237; p. 1213.
- Beaver Company, The, Buffalo, N. Y. Toy figures and dolls. No. 116,578; May 15; v. 238; p. 975.
- Beaver Company, The, Buffalo, N. Y. Blackboards and similar boards for writing purposes. No. 117,093; June 19; v. 239; p. 933.
- Beaver Company, The, Buffalo, N. Y. Wall-board. No. 118,144; Aug. 21; v. 241; p. 905.
- Beaver Company, The, Buffalo and Beaver Falls, N. Y.; Roanoke Rapids, N. C.; Thorold and Ottawa, Ontario, Canada, and London, England. Window-backgrounds, office-partitions, folding, &c., screens, folding tables, shirt-waist boxes. No. 115,925; Mar. 27; v. 236; p. 1215.
- Beaver Company, The, Buffalo and Beaver Falls, N. Y.; Roanoke Rapids, N. C.; Thorold, Ontario, Canada, and London, England. Dolls, doll-houses, toy houses, figures, &c. No. 116,814; May 29; v. 238; p. 1635.
- Beaver Motor Devices Co., Buffalo, N. Y. Baggage-carriers used as attachments to vehicles. No. 118,377; Sept. 4; v. 242; p. 249.
- Becker, David, Yonkers, N. Y. Cough medicine. No. 117,285; July 3; v. 240; p. 333.
- Beckley-Ralston Co., The, Chicago, Ill. Blow-out patches. No. 117,634; July 24; v. 240; p. 1161.
- Bee Bee Confection Company, The, Dayton, Ohio. Chewing-gum. No. 116,279; Apr. 24; v. 237; p. 1213.
- Beebe-Howes Company, The, Inc., New York, N. Y. Hosiery. No. 118,852; Oct. 9; v. 243; p. 519.
- Beech-Nut Packing Company, Canajoharie, N. Y. Certain food product. No. 118,945; Oct. 16; v. 243; p. 789.
- Beekman Paper and Card Company, New York, N. Y. Writing and printing papers. No. 115,926; Mar. 27; v. 236; p. 1215.
- Beeland-Nicholson Wholesale Co., Inc., Greenville, Ala. Wheat-flour. No. 117,020; June 12; v. 239; p. 651.
- Beeland-Nicholson Wholesale Co., Greenville, Ala. Self-rising wheat-flour. No. 119,032; Oct. 23; v. 243; p. 1059.
- Beggs & Cobb, Inc., Boston, Mass. Upper-leather for boots and shoes. No. 119,638; Dec. 11; v. 245; p. 545.
- Beggs Manufacturing Company, Chicago, Ill. Medicinal preparation with laxative or cathartic properties. No. 118,488; Sept. 18; v. 242; p. 743.
- Belber, Herman S., Philadelphia, Pa. Hair-remover. No. 117,979; Aug. 14; v. 241; p. 615.
- Bell, Conrad & Company, Chicago, Ill. Coffee. Nos. 115,927-8; Mar. 27; v. 236; p. 1215.
- Bell-Loids Chemical Co., West New York, N. J. Tonic laxative. No. 117,980; Aug. 14; v. 241; p. 615.
- Bell Talking Machine Corporation, New York, N. Y. Phonograph records or disks. No. 119,424; Nov. 20; v. 244; p. 813.
- Belleville Stove & Range Co., Belleville, Ill. Stoves and ranges of all kinds for hard and soft coal, coke, wood, &c. No. 119,168; Oct. 30; v. 243; p. 1305.
- Bellingham Chemical Co., Bellingham, Wash. Medicinal powders taken internally for relief of pains in the stomach. No. 119,869; Dec. 18; v. 245; p. 839.
- Bemmels Milling Company, Lisbon, S. D. Wheat-flour. No. 119,940; Dec. 25; v. 245; p. 1021.
- Bender Co., J. S., New York, N. Y. Hair-nets. No. 114,865; Jan. 9; v. 234; p. 667.
- Bender Company, J. S., New York, N. Y., assignors to Bender-Spitz Company. Hair-nets. No. 118,378; Sept. 4; v. 242; p. 249.
- Bender, Elwood, Fairmont, Nebr. Game of cards. No. 117,405; July 10; v. 240; p. 635.
- Bender, Joseph C., Denver, Colo. Stove-polish. No. 117,094; June 19; v. 239; p. 933.
- Bender-Spitz Company. (See Bender Company, J. S., assignors.)
- Bendus-Cooper & Co. Inc., New York, N. Y. Metal-polish. No. 115,929; Mar. 27; v. 236; p. 1215.
- Benjamin Electric Manufacturing Company, Chicago, Ill. Electric sound-producing signaling devices. No. 117,981; Aug. 14; v. 241; p. 615.
- Benjamin, George G., New York, N. Y. Men's coats, waist-coats, trousers, and overcoats. No. 119,034; Oct. 23; v. 243; p. 1059.
- Benjamin-Sellar Mfg. Co., Chicago, Ill. Building and construction toys. No. 115,284; Feb. 6; v. 235; p. 317.
- Bennett, W. V., New York, N. Y. Metal-polish applicator. No. 119,941; Dec. 25; v. 245; p. 1021.
- Bennie, Banks A., Nashville, Tenn. Liniment for rheumatism. No. 115,724; Mar. 6; v. 236; p. 277.
- Bentley & Twohey Silk Co., New York, N. Y. Silk piece goods. No. 116,937; June 5; v. 239; p. 315.
- Bentley & Twohey Silk Co., New York, N. Y. Silk piece goods. No. 118,261; Aug. 28; v. 241; p. 1151.
- Benziger Brothers, New York, N. Y. Books and circulars. No. 115,432; Feb. 13; v. 235; p. 691.
- Berdan & Company, Toledo, Ohio. Certain named foods. No. 117,814; Aug. 7; v. 241; p. 293.
- Berfelden Mills, Plainfield, N. J. Broad silk. No. 117,406; July 10; v. 240; p. 635.
- Berfelden Mills, Plainfield, N. J. Silk piece goods. No. 118,946; Oct. 16; v. 243; p. 789.
- Berg Auto Trunk & Specialty Co., New York, N. Y. Baggage—namely, trunks, suitcases, &c. No. 118,741; Oct. 2; v. 243; p. 235.
- Berg Company, The, Philadelphia, Pa. Fertilizers. No. 114,932; Jan. 16; v. 234; p. 1039.
- Berger Manufacturing Company, The, Canton, Ohio. Expanded metal. No. 115,480; Feb. 20; v. 235; p. 1049.
- Berlin Aniline Works, New York, N. Y. A preparation for developing photographic films, plates, and papers. No. 119,495; Nov. 27; v. 244; p. 1081.
- Berlin Fabric Glove Co. Inc., New York, N. Y. Fabric gloves. No. 116,396; May 1; v. 238; p. 305.
- Berlin Laboratory, Ltd., Inc., New York, N. Y. Medicinal preparations for gastro-intestinal disturbances. No. 119,035; Oct. 23; v. 243; p. 1059.
- Bernard Gloekler Company, Pittsburgh, Pa. Refrigerators and ice-boxes. No. 117,753; July 31; v. 240; p. 1445.
- Bernard Gloekler Company, Pittsburgh, Pa. Certain named furniture. No. 117,851; Aug. 7; v. 241; p. 294.
- Bernardini Statuary Co., New York, N. Y. Plastic molding material for making certain named objects. No. 118,744; Oct. 2; v. 243; p. 235.
- Bernhard Ulmann Co., Inc., New York, N. Y. Certain named fancy goods, furnishings, and notions. No. 119,830; Dec. 11; v. 245; p. 551.
- Bernhard Ulmann Co., Inc., New York, N. Y. Piece goods of cotton, linen, silk, artificial silk, wool, or combinations thereof. No. 119,831; Dec. 11; v. 245; p. 551.
- Berninger & Henry, Allentown, Pa. Cigars, cheroots, and little cigars. No. 118,489; Sept. 18; v. 242; p. 743.
- Bernstein, Alex., Chicago, Ill. Dress and negligée shirts. No. 118,947; Oct. 16; v. 243; p. 789.
- Bernstein, Baum, Cravis & Company, Philadelphia, Pa. Ladies' skirts, suits, coats. No. 114,866; Jan. 9; v. 234; p. 667.
- Bernstein, Charles M., New York, N. Y. Ladies' dresses, cloaks, and suits. No. 116,113; Apr. 10; v. 237; p. 617.
- Berry, Andrew H., New York, N. Y. Batteries. No. 116,579; May 15; v. 238; p. 975.
- Berry, Charles S., Little Rock, Ark. Minted Epsom salts. No. 116,397; May 1; v. 238; p. 305.
- Bérubé, Alexandre, Berlin, N. H. Tooth powder and cream. No. 116,580; May 15; v. 238; p. 975.
- Besosa, Adolfo E., New York, N. Y. Medicine in tablet form for the treatment of kidney and bladder disorders. No. 116,875; June 5; v. 239; p. 313.

- Bess, William, Memphis, Tenn. Hair-oil. No. 115,433; Feb. 13; v. 235; p. 691.
- Best-Clymer Manufacturing Company, St. Louis, Mo. Horse and mule feed. No. 115,149; Jan. 30; v. 234; p. 1577.
- Best-Clymer Manufacturing Company, St. Louis, Mo. Dairy feed. Nos. 115,150-1; Jan. 30; v. 234; p. 1577.
- Best-Clymer Manufacturing Company, St. Louis, Mo. Fattening feed for stock. No. 115,152; Jan. 30; v. 234; p. 1577.
- Best & Company, New York, N. Y. Certain named girls' and women's clothing. No. 117,286; July 3; v. 240; p. 333.
- Best & Company, New York, N. Y. Dolls made of certain named materials or combinations thereof. No. 117,511; July 17; v. 240; p. 935.
- Best Electric Company, The, Pittsburgh, Pa. Attachment-plugs, lamp-sockets, and outlet-box receptacles. No. 115,283; Feb. 6; v. 235; p. 317.
- Bestol Company, The, Boston, Mass. Tooth-brushes. No. 117,512; July 17; v. 240; p. 935.
- Betterton-Rupert Coffee Co., Ashland, Ky. Roasted coffee. No. 119,248; Nov. 13; v. 244; p. 557.
- Beyer Bros. Commission Co., New York, N. Y. Butter, eggs, and cheese. No. 115,153; Jan. 30; v. 234; p. 1577.
- Beyer Bros. Commission Co., New York, N. Y. Butter, eggs, and cheese. No. 115,285; Feb. 6; v. 235; p. 317.
- Beyermann, William J., Chicago, Ill. Eye-water. No. 119,640; Dec. 11; v. 245; p. 545.
- Bibb Manufacturing Company, Macon, Ga. Cotton cloth in the shape of piece goods. No. 118,619; Sept. 25; v. 242; p. 987.
- Biberman Brothers, Philadelphia, Pa. Women's, misses', and children's dresses, house-gowns, and aprons. No. 119,249; Nov. 13; v. 244; p. 557.
- Biel, Conrad E., Denver, Colo. Tablets for toning and building up the stomach, lungs, heart, and nervous system. No. 119,870; Dec. 18; v. 245; p. 839.
- Big Four Milling Company, The, Cleveland, Ohio. Horse, mule, cattle, poultry, hog, and sheep food. No. 115,581; Feb. 27; v. 235; p. 1349.
- Big Four Milling Company, The, Cleveland, Ohio. Horse, mule, cattle, poultry, hog, and sheep food. No. 118,252; Aug. 28; v. 241; p. 1151.
- Birdsey-Somers Company, New York, N. Y. Corsets. No. 118,620; Sept. 25; v. 242; p. 987.
- Birkenfeld, Strauss & Co., New York, N. Y. Certain named clothing. No. 116,581; May 15; v. 238; p. 975.
- Birkenfeld, Strauss & Co., New York, N. Y. One-piece sleeping-garment. No. 119,250; Nov. 13; v. 244; p. 557.
- Bishop & Company, Los Angeles, Cal. Crackers. No. 119,425; Nov. 20; v. 244; p. 613.
- Bittner Hunsicker & Co., Allentown, Pa. Overalls, work-shirts, and hosiery. No. 116,582; May 15; v. 238; p. 975.
- Bixler, Wendal J., Fremont, Mich. Insecticide. No. 118,745; Oct. 2; v. 243; p. 235.
- Blach & Sons, J., Birmingham, Ala. Certain named clothing. No. 114,687; Jan. 2; v. 234; p. 367.
- Black & Decker Manufacturing Company, The, Baltimore, Md. Electric drills and air-pumps. No. 117,982; Aug. 14; v. 241; p. 615.
- Black and Walter, Huntington, W. Va. Preparation for rheumatism and weak lungs. No. 119,036; Oct. 23; v. 243; p. 1059.
- Blackman & Co., S., Philadelphia, Pa. Soda-fountain syrup. No. 118,263; Aug. 28; v. 241; p. 1151.
- Blackman & Co., S., Philadelphia, Pa. Soda-fountain syrup. No. 119,251; Nov. 13; v. 244; p. 557.
- Blackmer Rotary Pump Co., Petoskey, Mich. Rotary pumps. No. 115,583; Feb. 27; v. 235; p. 1349.
- Blaisdell, E. D., Minneapolis, Minn. Pile-ointment. No. 116,031; Apr. 3; v. 237; p. 305.
- Blake Milling Company, The, Edwardsville, Ill. Wheat-flour. No. 117,407; July 10; v. 240; p. 635.
- Blake, William E., Toronto, Ontario, Canada. Writing or letter paper. No. 115,286; Feb. 6; v. 235; p. 317.
- Blakeslee, Anna L., Malden, Mass. Certain named clothing and personal wear. No. 116,876; June 5; v. 239; p. 313.
- Blakeslee Manufacturing Co., Duquoin, Ill. Single and duplex steam-pumps, jet and bilge pumps, air-compressors. No. 116,114; Apr. 10; v. 237; p. 617.
- Blanchard Machine Company, The, Cambridge, Mass. Grinding-machines. No. 119,496; Nov. 27; v. 244; p. 1081.
- Blanke-Wenneker Candy Company, St. Louis, Mo. Candy. No. 116,280; Apr. 24; v. 237; p. 1213.
- Bleeker Company, The, Hempstead, N. Y. Cleaning fluids. No. 116,877; June 5; v. 239; p. 313.
- Bleeker Company, The, Hempstead, N. Y. Cleaning fluids. No. 119,252; Nov. 13; v. 244; p. 557.
- Block, Alexander E., St. Louis, Mo. Heel lifts and levelers. No. 114,688; Jan. 2; v. 234; p. 367.
- Block, Alexander E., St. Louis, Mo. Shoe-stretchers. No. 115,481; Feb. 20; v. 235; p. 1049.
- Bloom & Millman, New York, N. Y. Shirt-waists for women. No. 117,095; June 19; v. 239; p. 933.
- Blount Lumber Co., The, Lacona, N. Y. Composition roofing. No. 116,032; Apr. 3; v. 237; p. 305.
- Blu Streek Company, The, El Centro, Cal. Metal-grinding compound. No. 117,815; Aug. 7; v. 241; p. 293.
- Blue Bird Beverage Company, New Orleans, La. Celery, ginger-ale, and root-beer. No. 119,641; Dec. 11; v. 245; p. 545.
- Blum & Bros., Sol., New York, N. Y. Dress, lining, and clothiers' silks, and silk jersey-cloth known as piece goods. No. 117,409; July 10; v. 240; p. 635.
- Blumenthal & Co., B., New York, N. Y. Buttons for attachment to wearing-apparel. No. 117,635; July 24; v. 240; p. 1161.
- Boericke & Tafel, Philadelphia, Pa. Remedy for impure condition of the blood. No. 117,987; Aug. 14; v. 241; p. 615.
- Bogart, Charles C., Middletown, N. Y. Cigars. No. 115,726; Mar. 6; v. 236; p. 277.
- Bogart, Charles C., Middletown, N. Y. Cigars. No. 117,816; Aug. 7; v. 241; p. 293.
- Bogert & Greenbank, New York, N. Y. Wheat-flour. No. 115,930; Mar. 27; v. 236; p. 1215.
- Bogert & Greenbank, New York, N. Y. Wheat-flour. No. 118,264; Aug. 28; v. 241; p. 1151.
- Bollinger, James W., executor. (See Gilman, Stephen F.)
- Bolton, William H., Seattle, Wash. Germicide and antiseptic solution. No. 117,636; July 24; v. 240; p. 1161.
- Bon Aurora Manufacturing & Machine Company, The, Denver, Colo. Soap compound. No. 118,746; Oct. 2; v. 243; p. 235.
- Bonicamp Manufacturing Co., The, Fort Madison, Iowa. Horse-collars. No. 118,853; Oct. 9; v. 243; p. 519.
- Bonney Company, The, Chicago, Ill. Certain pharmaceutical preparations for toilet purposes. No. 114,689; Jan. 2; v. 234; p. 367.
- Booth Fisheries Company, Chicago, Ill. Canned salmon. No. 116,501; May 8; v. 238; p. 645.
- Booth Fisheries Company, Chicago, Ill. Canned salmon. No. 117,022; June 12; v. 239; p. 651.
- Booth Fisheries Company, Chicago, Ill. Canned salmon. No. 117,096; June 19; v. 239; p. 933.
- Booth Fisheries Company, Chicago, Ill. Fresh, salted, smoked, canned, and pickled oysters, clams, &c. No. 119,643; Dec. 11; v. 245; p. 545.
- Booth, Sheldon M., Chicago, Ill. Cleaner to clean white shoes of kid, calf, duck, canvas, buckskin, and gloves. No. 117,637; July 24; v. 240; p. 1161.
- Boott Mills, Lowell, Mass. Cotton piece goods. No. 116,815; May 29; v. 238; p. 1635.
- Borom, Schuyler C., Minneapolis, Minn. Polish for wood surfaces. No. 114,933; Jan. 16; v. 234; p. 1039.
- Bosca & Figli, Luigi, Canelli, Italy. Sparkling wines. No. 116,657; May 15; v. 238; p. 977.
- Bosman & Lohman Co., Norfolk, Va. Peanut-oil. No. 115,155; Jan. 30; v. 234; p. 1577.
- Boss Manufacturing Company, The, Kewanee, Ill. Gloves and mittens. No. 116,878; June 5; v. 239; p. 313.
- Bosson, Frank H., Boston, Mass. Cleaning and polishing preparations for painted, varnished, and wooden surfaces. No. 117,099; June 19; v. 239; p. 933.
- Boston Auto Gage Company, Boston, Mass. Gages. No. 115,834; Mar. 13; v. 236; p. 591.
- Boston Electro Cleaner Co., Portland, Me., and Boston, Mass. Silver-polish. No. 115,933; Mar. 27; v. 236; p. 1215.
- Boston Manufacturing Company, The, Waltham, Mass. Gingham. No. 118,855; Oct. 9; v. 243; p. 519.
- Boston Rubber Shoe Company, Boston and Malden, Mass. Boots and shoes having fabric uppers and rubber soles attached thereto by vulcanization. No. 115,835; Mar. 13; v. 236; p. 591.
- Bousfield, Charlie J., Bay City, Mich. Talking-machines. No. 115,059; Jan. 23; v. 234; p. 1307.
- Bouzoukis, Kostas G., Nashua, N. H. Remedy for certain named diseases. No. 116,583; May 15; v. 238; p. 975.
- Bowden & Company, J. B., New York, N. Y. Finger-rings of all kinds. No. 118,491; Sept. 18; v. 242; p. 743.
- Bowen & Murphy, Birmingham, Ala. Cotton-seed meal. Nos. 114,690-1; Jan. 2; v. 234; p. 367.
- Bowers Bros., Inc., Richmond, Va. Coffee. No. 115,288; Feb. 6; v. 235; p. 317.
- Bowles Bros. Co., Los Angeles, Cal. Pancake-flour. No. 115,156; Jan. 30; v. 234; p. 1577.
- Bowles Bros. Co., Los Angeles, Cal. Self-rising wheat-flour. No. 116,190; Apr. 10; v. 237; p. 619.
- Boyman, Gail G., Cleveland, Ohio. Castor-oil. No. 117,290; July 3; v. 240; p. 333.
- Boy Scouts of America, New York, N. Y. Motion-picture films. No. 114,692; Jan. 2; v. 234; p. 367.
- Boyd-Welsh Shoe Company, St. Louis, Mo. Leather and cloth shoes. No. 116,736; May 22; v. 238; p. 1325.
- Boyer, David W., Cairo, Ill. Palliative for cancer, eczema, gangrene, or blood-poison, &c. No. 115,060; Jan. 23; v. 234; p. 1307.
- Boyetown Burial Casket Co., Boyetown and Philadelphia, Pa. Caskets. No. 115,289; Feb. 6; v. 235; p. 317.
- Boykin, Daniel H., Los Angeles, Cal. Preparation for polishing buck, suede, calf, kid, canvas, or linen shoes. No. 115,934; Mar. 27; v. 236; p. 1215.
- Brabant, John W., La Crosse, Wis. Concrete-mixing machines. No. 117,988; Aug. 14; v. 241; p. 615.
- Bradentown Citrus Growers Association, Bradentown, Fla. Fresh citrus fruits. No. 119,942; Dec. 25; v. 245; p. 1021.
- Bradford Motor Works, Bradford, Pa. Certain named oil-well supplies. No. 118,624; Sept. 25; v. 242; p. 987.

Alphabetical list of registrants of trade-marks—Continued.

- Bradley, Kate A., Atlantic City, N. J. Games. No. 114,930; Jan. 16; v. 234; p. 1039.
- Bradley & Metcalf Co., Milwaukee, Wis. Men's, boys', and youths' shoes made from leather. No. 117,243; June 26; v. 239; p. 1205.
- Braeburn Steel Company, Braeburn, Pa. Tool-steel. Nos. 117,989-91; Aug. 14; v. 241; p. 615.
- Brainerd and Armstrong Company, The, New London, Conn. Fabrics in the piece woven of all silk. No. 117,410; July 10; v. 240; p. 635.
- Brandon, Magnus & Leon Inc., New York, N. Y. Handkerchiefs. No. 118,948; Oct. 16; v. 243; p. 789.
- Brawley, T. R., Brooklyn, N. Y. Felt washers. No. 114,931; Jan. 16; v. 234; p. 1039.
- Breechloader Pipe Co. Inc., The, New York, N. Y. Smoking-pipes. No. 116,034; Apr. 3; v. 237; p. 305.
- Breneman, Charles W., Cincinnati, Ohio. Spring-rollers for window-shades, awnings, maps, cars, &c. No. 116,585; May 15; v. 238; p. 975.
- Brewer & Co., Worcester, Mass. Chemicals, medicines, and pharmaceutical preparations for certain named diseases. No. 114,693; Jan. 2; v. 234; p. 367.
- Briar Mills, Keokuk, Iowa. Wheat-flour. No. 119,648; Dec. 11; v. 245; p. 546.
- Bridge & Souter Co., Inc., Canastota, N. Y. Domestic onions in their natural state without tops. No. 116,284; Apr. 24; v. 237; p. 1213.
- Bridgeport Brass Company, Bridgeport, Conn. Automobile-tire pumps. No. 115,585; Feb. 27; v. 235; p. 1349.
- Bridgeport Brass Company, Bridgeport, Conn. Automobile and bicycle tire pumps. No. 115,728; Mar. 6; v. 236; p. 277.
- Bridgeport Brass Company, Bridgeport, Conn. Certain named hardware and plumbing and steam-fitting supplies. No. 119,500; Nov. 27; v. 244; p. 1081.
- Bridgeport Brass Company, Bridgeport, Conn. Tire-pumps. No. 119,501; Nov. 27; v. 244; p. 1081.
- Briggs, Edgar W., San Francisco, Cal. Weekly publication. No. 115,586; Feb. 27; v. 235; p. 1349.
- Briggs-Weaver Machinery Co., Dallas, Tex. Monthly magazines. No. 118,149; Aug. 21; v. 241; p. 905.
- Brigham Hopkins Co., Baltimore, Md. Sweat-bands for hats. No. 118,880; Oct. 9; v. 243; p. 520.
- Bristol-Myers Company, Brooklyn, N. Y. Liquid soap. No. 115,935; Mar. 27; v. 236; p. 1215.
- Brite-Lite Company, Albert Lea, Minn. Electric generators, motors, switchboards, sad-irons, toasters, &c. No. 119,600; Dec. 4; v. 245; p. 275.
- British Film Stock Company Limited, The, London, England. Motion-picture films. No. 116,035; Apr. 3; v. 237; p. 305.
- British Milk Products Company Limited, The, London, England. Tonic food. No. 115,729; Mar. 6; v. 236; p. 277.
- Britton, Stephen, New York, N. Y. Medicinal preparation used as a tonic and nerve-sedative. No. 114,934; Jan. 16; v. 234; p. 1039.
- Brizzolara, Charles, Richmond, Va. Medicine for rheumatism and gout. No. 116,115; Apr. 10; v. 237; p. 617.
- Brodsky Palman Gelber Co., Chicago, Ill. Certain named canned foods. No. 115,061; Jan. 23; v. 234; p. 1307.
- Brokaw Brothers, New York, N. Y. Shoes made of certain named materials. No. 115,290; Feb. 6; v. 235; p. 317.
- Bromo Remedy Co., The, Chicago, Ill. Rheumatic remedies. No. 116,036; Apr. 3; v. 237; p. 305.
- Brons, Frederick J., Peoria, Ill. Canned goods. No. 117,739; July 31; v. 240; p. 1445.
- Brookman Manufacturing Company, Chicago, Ill. Powdered lye. No. 115,436; Feb. 13; v. 235; p. 691.
- Brooksville Citrus Growers Assn., Brooksville, Fla. Citrus fruit. No. 115,062; Jan. 23; v. 234; p. 1307.
- Brouse, William J., Madrid, N. Y. Cleaning and polishing material for automobiles, pianos, woodwork, and furniture. No. 117,244; June 26; v. 239; p. 1205.
- Brown, Albert E., Mobile, Ala. An antiseptic wash. No. 119,254; Nov. 13; v. 244; p. 557.
- Brown, Alex., Paynes, Miss. Liniment, salve, and tonic for pellagra, piles, and blood impurities. No. 119,037; Oct. 23; v. 243; p. 1059.
- Brown & Bro., B., New York, N. Y. Soda-ash, caustic soda, chlorate of potash, bichromate of soda. No. 116,502; May 8; v. 238; p. 645.
- Brown & Co., D. P., Philadelphia, Pa. Textile belting. No. 117,821; Aug. 7; v. 241; p. 293.
- Brown Durrell Co., Boston, Mass. Certain named fancy goods, furnishings, and notions. No. 118,380; Sept. 4; v. 242; p. 249.
- Brown, Fannie M., New Canaan, Conn. Poultry and eggs. No. 117,412; July 10; v. 240; p. 635.
- Brown Instrument Company, The, Philadelphia, Pa. Pyrometers, tachometers, operation-recorders, &c. No. 116,398; May 1; v. 238; p. 305.
- Brown, J. Wise, Tulsa, Okla. Beverages, non-alcoholic, sold as soft cola drink. No. 116,285; Apr. 24; v. 237; p. 1213.
- Brown, John H., Marseilles, Ill. Rubber heels. No. 116,880; June 5; v. 239; p. 313.
- Brown, Julius E., Peekskill, N. Y. Certain named toy. No. 115,291; Feb. 6; v. 235; p. 317.
- Brown, Julius E., Peekskill, N. Y. Game played with a ball and cue, as in billiards. No. 115,292; Feb. 6; v. 235; p. 317.
- Brown, Julius E., Peekskill, N. Y. Toy consisting of a bouncing horse on wheels. No. 115,293; Feb. 6; v. 235; p. 317.
- Brown, Nelson H., Boston, Mass. Clocks. No. 117,100; June 19; v. 239; p. 933.
- Brown, Nelson H., Boston, Mass. Clocks and movements therefor. No. 117,822; Aug. 7; v. 241; p. 293.
- Brown, Nelson H., Boston, Mass. Clocks, watches, and movements therefor. No. 117,823; Aug. 7; v. 241; p. 293.
- Brown Shoe Company, Inc., St. Louis, Mo. Men's shoes made of leather. No. 118,857; Oct. 9; v. 243; p. 519.
- Brown, Wm. W., Worcester, Mass. Jackets and vests. No. 115,437; Feb. 13; v. 235; p. 691.
- Brownlee, Roy H., Pittsburgh, Pa. Hydrocarbons and derivatives thereof, as toluol, anilin, and nitrobenzene. No. 117,638; July 24; v. 240; p. 1161.
- Brownstein-Louis Company, Los Angeles, Cal. Shirts, pajamas, nightgowns, and underwear. No. 115,294; Feb. 6; v. 235; p. 318.
- Brownstein-Louis Company, Los Angeles, Cal. Shirts. No. 115,587; Feb. 27; v. 235; p. 1349.
- Brownstein-Louis Company, Los Angeles, Cal. Dress, negligée, work, and under shirts. No. 115,877; Mar. 20; v. 236; p. 885.
- Bruce Publishing Company, The, Milwaukee, Wis. Monthly periodicals. No. 114,935; Jan. 16; v. 234; p. 1039.
- Bruhn Medical Company, Waukesha, Wis. Food-flavoring extracts and spices. No. 118,949; Oct. 16; v. 243; p. 789.
- Brundage Brothers Company, The, Toledo, Ohio. Coffee, tea, salted and sugar peanuts, peanut oil and butter. No. 116,503; May 8; v. 238; p. 645.
- Brundage Brothers Company, The, Toledo, Ohio. Coffee, tea, salted peanuts, sugar peanuts, &c. No. 116,586; May 15; v. 238; p. 975.
- Brunswick-Balke-Collender Co., The, Chicago, Ill. Billiard-cloth. No. 115,063; Jan. 23; v. 234; p. 1307.
- Bryant Electric Company, The, Bridgeport, Conn. Attachment-plug receptacles. No. 115,836; Mar. 13; v. 236; p. 591.
- Bucadyne Chemical Company, San Francisco, Cal. Dentifrices. No. 116,504; May 8; v. 238; p. 645.
- Buckeye Cotton Oil Company, The, Cincinnati, Ohio. Dairy, stock, cattle, and farm-animal food. No. 116,286; Apr. 24; v. 237; p. 1213.
- Buckeye Cotton Oil Company, Cincinnati, Ohio. Cottonseed roughage. No. 119,428; Nov. 20; v. 244; p. 813.
- Buckhorn Lithia Water Co., Bullock, N. C. Non-alcoholic carbonated tonic beverage to be sold as a soft drink. No. 118,492; Sept. 18; v. 242; p. 743.
- Buckingham & Hecht, San Francisco, Cal. Boots, shoes, and slippers. No. 117,413; July 10; v. 240; p. 635.
- Buckley, Dement & Company, Chicago, Ill. Form-letters, mailing-lists, catalogues of mailing-lists, and mailing advertising publications. No. 117,993; Aug. 14; v. 241; p. 615.
- Buckley-Newhall Company, The, New York, N. Y. Certain named clothing. No. 115,064; Jan. 23; v. 234; p. 1307.
- Buckley-Newhall Company, The, New York, N. Y. Waterproofed coats for men and women. No. 115,065; Jan. 23; v. 234; p. 1307.
- Buckley, Warren B., New York, N. Y. Rubber tires for automobiles. No. 118,150; Aug. 21; v. 241; p. 905.
- Buckman, Jacob, New York, N. Y. Coats. No. 117,023; June 12; v. 239; p. 651.
- Buffalo House Wrecking & Salvage Co., Buffalo, N. Y. Rubber roofing and is a prepared roofing made of asphalt, rags, &c. No. 118,462; Sept. 11; v. 242; p. 513.
- Buffalo Wire Works Co., Buffalo, N. Y. Wire cloth or fabric. Nos. 114,694-5; Jan. 2; v. 234; pp. 367-8.
- Buford & Owens, Madam's, Oklahoma, Okla. Hair-oil. No. 115,878; Mar. 20; v. 236; p. 885.
- Buhl, G. Arthur, Chicago, Ill. Soft drink or beverage. No. 117,101; June 19; v. 239; p. 933.
- Buhl, G. Arthur, Chicago, Ill. Malt sugar and flour. No. 117,824; Aug. 7; v. 241; p. 293.
- Bunker Hill Brewery Incorporated. (See Van Nostrand, Alonzo G., assignor.)
- Bunte Brothers, Chicago, Ill. Candy. No. 115,296; Feb. 6; v. 235; p. 318.
- Bunte Brothers, Chicago, Ill. Candy. No. 115,937; Mar. 27; v. 236; p. 1215.
- Burch and Collins, Washington, D. C. Liquid preparation for removing dirt and grease, which is also a polish. No. 116,116; Apr. 10; v. 237; p. 617.
- Burdett Oxygen Company, The, Denver, Colo. Electrolytic oxygen. No. 117,994; Aug. 14; v. 241; p. 615.
- Burger, Iwan, New York, N. Y. Canned sardines. No. 118,493; Sept. 18; v. 242; p. 743.
- Burger, Iwan, New York, N. Y. Cheese, olive-oil, canned tomatoes, canned peaches, and canned sardines. No. 119,255; Nov. 13; v. 244; p. 557.
- Burgess Battery Company, Madison, Wis. Electric batteries. No. 117,515; July 17; v. 240; p. 935.
- Burgess Battery Company, Madison, Wis. Electric batteries. Nos. 117,995-6; Aug. 14; v. 241; pp. 615-16.
- Burgess Sulphite Fibre Co., Berlin, N. H. Caustic soda. No. 118,494; Sept. 18; v. 242; p. 743.

- Burgess, Thornton W., Springfield, Mass. Correspondence paper and cards. No. 117,291; July 3; v. 240; p. 333.
- Burgess, Thornton W., Springfield, Mass. Printed books. No. 117,639; July 24; v. 240; p. 1161.
- Burke & James, Inc., Chicago, Ill. Photographic negative and paper developing compound. No. 116,202; Apr. 17; v. 237; p. 913.
- Burnett-Larsh Manufacturing Co., The, Dayton, Ohio. Pumps and fluid-pressure motors. No. 119,502; Nov. 27; v. 244; p. 1081.
- Burnham-Munger-Root Dry Goods Co., Kansas City, Mo. Overalls. No. 118,151; Aug. 21; v. 241; p. 905.
- Burnstine & Nachman, New York, N. Y. Dress-fasteners, snap buttons and fasteners. No. 117,640; July 24; v. 240; p. 1161.
- Burrell-Miller, Indianapolis, Ind. Poultry remedy. No. 115,730; Mar. 6; v. 236; p. 277.
- Burton & Davis Co., New York, N. Y. Canned vegetables. No. 115,297; Feb. 6; v. 235; p. 318.
- Burton & Davis Co., New York, N. Y. Canned fruits, vegetables, and salmon, tomato catsup. No. 117,102; June 19; v. 239; p. 933.
- Burton & Davis Co., New York, N. Y. Certain named foods. No. 117,825; Aug. 7; v. 241; p. 293.
- Busch, Arthur H., Cleveland, Ohio. Salves and pastes for diseases of the skin, external infections, sores, burns, &c. No. 118,495; Sept. 18; v. 242; p. 743.
- Bush and Company, R. J., Stroudsburg, Pa. Compound for vitalizing gasoline. No. 117,641; July 24; v. 240; p. 1161.
- Bushwick Produce Exchange, Brooklyn, N. Y. Certain named foods. No. 119,649; Dec. 11; v. 245; p. 546.
- Buss, Frank, St. Louis, Mo. Medical salve or ointment. No. 115,732; Mar. 6; v. 236; p. 277.
- Butler, Jean W., Chicago, Ill. Certain named chemical and pharmaceutical preparation. No. 117,103; June 19; v. 239; p. 933.
- Butt Plus Co., The, Washington, D. C. Butter-merging compounds. No. 117,104; June 19; v. 239; p. 934.
- Buzby, Augustus C., Philadelphia, Pa. Lubricants consisting of oils and greases. No. 115,157; Jan. 30; v. 234; p. 1577.
- Byram, Ralph S., Germantown, Pa. Laces, knitted insertion, and edgings for underwear. No. 117,245; June 26; v. 239; p. 1205.
- Byron-Patch Co., Boston, Mass. An antiseptic throat-tablet. No. 119,650; Dec. 11; v. 245; p. 546.
- Bystrom & Hull, Toledo, Ohio. Raised breads and pastries. No. 117,106; June 19; v. 239; p. 934.
- C. Kenyon Company, Brooklyn, N. Y. Waterproof fabrics used in the manufacture of waterproof garments. No. 115,971; Mar. 27; v. 236; p. 1216.
- C. Kenyon Company, Brooklyn, N. Y. Men's coats. No. 119,083; Oct. 23; v. 243; p. 1061.
- C. Nelson Smith Company, The, Milwaukee, Wis. Medicines and specifics for treating certain named diseases. No. 116,926; June 5; v. 239; p. 314.
- C. A. Gambrill Mfg. Co., Baltimore, Md. Self-rising wheat-flour. No. 116,618; May 15; v. 238; p. 976.
- C. A. Peters Limited, Derby, England. Wood-preservatives. No. 117,703; July 24; v. 240; p. 1163.
- C. B. Shane Co., Chicago, Ill. Rain-coats. No. 118,227; Aug. 21; v. 241; p. 908.
- C. C. Mengel & Bro. Co., Louisville, Ky. Vegetable dye. No. 119,344; Nov. 13; v. 244; p. 560.
- C. D. Pruden Company, The, Baltimore, Md. Steel portable buildings. No. 116,000; Mar. 27; v. 236; p. 1217.
- C. E. Bash & Co., Huntington, Ind. Poultry food—namely, egg-mash and chick-grower. No. 117,509; July 17; v. 240; p. 935.
- C. E. Byrne Piano Co., Inc., New York, N. Y. Pianos. No. 117,105; June 19; v. 239; p. 934.
- C. E. Slauson Co., Stamford, Conn. Canned fruits and vegetables. No. 116,694; May 15; v. 238; p. 973.
- C. E. Squires Co., The, Cleveland, Ohio. Steam-traps for heating apparatus, feed-water controllers for steam-boilers, &c. No. 115,867; Mar. 13; v. 236; p. 592.
- C. F. Blanke Tea & Coffee Co., St. Louis, Mo. Rice. No. 115,725; Mar. 6; v. 236; p. 277.
- C. F. Streit Mfg. Co., The, Cincinnati, Ohio. Rail-brackets for beds. No. 119,817; Dec. 11; v. 245; p. 551.
- C. G. Conn, Ltd., Elkhart, Ind. Wind, stringed, and percussion instruments. No. 116,403; May 1; v. 238; p. 305.
- C. H. Guenther & Son, (Inc.), San Antonio, Tex. Wheat-flour. No. 114,750; Jan. 2; v. 234; p. 369.
- C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Ejectors and air-pumps. No. 115,047; Jan. 16; v. 234; p. 1043.
- C. H. Wolfelt Co., Los Angeles, Cal. Boots, shoes, and slippers made of leather, rubber, or canvas. No. 117,800; July 31; v. 240; p. 1447.
- C. L. Cotton Perfume & Extract Co., The, Earlville, N. Y. Perfumes, toilet water, smelling-salts, &c. No. 115,309; Feb. 6; v. 235; p. 318.
- C. L. Hawthaway & Sons, Inc., Boston, Mass. Polishing and cleansing materials for boots and shoes. No. 119,075; Oct. 23; v. 243; p. 1061.
- C. L. Hawthaway & Sons, Inc., Boston, Mass. Cement for boots, shoes, and other leather articles. No. 119,606; Dec. 4; v. 245; p. 275.
- C. M. C. Stewart Sulphur Co., Seattle, Wash. Laxative tablets. No. 116,865; May 29; v. 238; p. 1636.
- Cabell Company, The, Baltimore, Md. Powdered egg. No. 115,733; Mar. 6; v. 236; p. 277.
- Cabell Company, The, Baltimore, Md. Certain named foods. No. 117,826; Aug. 7; v. 241; p. 293.
- Cable-Nelson Piano Co., Chicago, Ill. Pianos, player-pianos, and talking-machines. No. 119,943; Dec. 25; v. 245; p. 1021.
- Cadillac Auto Truck Company, Cadillac, Mich. Auto or motor trucks. No. 115,298; Feb. 6; v. 235; p. 318.
- Cahn, Belt & Company, Baltimore, Md. Whisky. No. 115,066; Jan. 23; v. 234; p. 1307.
- Calco Chemical Company, The, Somerville, N. J. Anilin oil and salt, beta-naphthol, indulin, ponceau 2 G, scarlet 2 R. No. 119,875; Dec. 18; v. 245; p. 839.
- Caldwell, James C., Pittsburgh, Pa. Carbon-removing and gasoline-saving oils, chemicals, &c. No. 114,696; Jan. 2; v. 234; p. 368.
- California Associated Olive Growers, Inc., San Francisco, Cal. Olives. No. 118,265; Aug. 28; v. 241; p. 1151.
- California Bakers Specialty Co., Los Angeles, Cal. Paste for cakes, cookies, pie, candy, and ice-cream. No. 117,024; June 12; v. 239; p. 651.
- California Fruit Growers Exchange, Los Angeles, Cal. Citrus fruits. No. 117,107; June 19; v. 239; p. 934.
- California Medicinal Springs Co., Deer Lick Springs, Cal. Spring-water. No. 119,227; Nov. 6; v. 244; p. 287.
- California Packing Corporation, San Francisco, Cal. Dried fruits, raisins, and canned vegetables. No. 119,652; Dec. 11; v. 245; p. 546.
- California Paint Company, Oakland, Cal. Dry and ready-mixed paints, varnish, and painters' oils. No. 119,503; Nov. 27; v. 244; p. 1081.
- California Ripe Olive Co., Oroville and San Francisco, Cal. Ripe olives, pressed figs, honey, and mayonnaise dressing. No. 118,266; Aug. 28; v. 241; p. 1151.
- California Vegetable Union, Los Angeles, Cal. Fresh asparagus and cantaloups. No. 118,152; Aug. 21; v. 241; p. 905.
- California Vegetable Union, Los Angeles, Cal. Fresh rhubarb, asparagus, and cantaloups. No. 119,256; Nov. 13; v. 244; p. 557.
- Callaway, Robert M., assignor to Wunda-lusta Company of America, Atlanta, Ga. Liquid cleansing compound. No. 118,625; Sept. 25; v. 242; p. 987.
- Calotabs Company, Atlanta, Ga. Laxative. No. 119,257; Nov. 13; v. 244; p. 557.
- Camero, A. Gonzalez, New York, N. Y. Cigars and smoking-tobacco. No. 115,158; Jan. 30; v. 234; p. 1577.
- Cameron, Donald J., Syracuse, N. Y. Boots and shoes. Nos. 115,484-5; Feb. 20; v. 235; p. 1049.
- Camp, Samuel H., Jackson, Mich. Abdominal belts or supporters. No. 116,588; May 15; v. 238; p. 975.
- Campbell, Dudley D., New York, N. Y. Cotton damasks, napkins, table-cloths, and cotton piece goods. No. 116,819; May 29; v. 238; p. 1635.
- Campbell, Dudley D., New York, N. Y. Cotton damasks, napkins, table-cloths, and cotton piece goods. Nos. 118,267-8; Aug. 28; v. 241; p. 1151.
- Campbell, George W., Pasadena, Cal., assignor to Mystic Manufacturing Company, Los Angeles, Cal. Dressing for belts, brake-linings, clutches, and similar frictional surfaces. No. 118,951; Oct. 16; v. 243; p. 789.
- Campbell, Harry J., Butternut, Mich. Cheese. No. 114,697; Jan. 2; v. 234; p. 368.
- Campbell, Metzger & Jacobson, New York, N. Y. Embroidery tinsel, floss, silk, cord and rope. No. 116,287; Apr. 24; v. 237; p. 1213.
- Campbell, Metzger & Jacobson, New York, N. Y. Cotton-cloth piece goods. No. 118,271; Aug. 28; v. 241; p. 1151.
- Canadian-American Cereal Products Co., The, New York, N. Y. Wheat-flour. No. 116,589; May 15; v. 238; p. 975.
- Canadian Economic Lubricant Company, Ltd., Montreal, Quebec, Canada. Soap powder. No. 117,516; July 17; v. 240; p. 935.
- Canadian Mill & Elevator Co., El Reno, Okla. Poultry feed. No. 115,067; Jan. 23; v. 234; p. 1307.
- Canadian Mill & Elevator Co., El Reno, Okla. Wheat-flour. No. 114,698; Jan. 2; v. 234; p. 368.
- Candee, Herbert G., Rochester, N. Y. Blank checks. Nos. 119,944-5; Dec. 25; v. 245; p. 1021.
- Canton Steel Foundry Company, The, Canton, Ohio. Steel castings. No. 119,038; Oct. 23; v. 243; p. 1059.
- Cantrell & Cochrane Ltd., Dublin and Belfast, Ireland. Ginger-ale. No. 115,065; Jan. 23; v. 234; p. 1307.
- Cantrell & Dawson, Guymon, Okla. Laxative jam. No. 116,820; May 29; v. 238; p. 1635.
- Cantrell & Dawson, Guymon, Okla. Medicinal tonic. No. 116,821; May 29; v. 238; p. 1635.
- Cantrell & Dawson, Guymon, Okla. Soft drink. No. 116,940; June 5; v. 239; p. 315.
- Cantrell and Dawson, Guymon, Okla. Tonic for the sexual organs. No. 117,414; July 10; v. 240; p. 635.
- Cantwell, Robert C., Jr., Wilmington, N. C. Sweeping compound. No. 118,153; Aug. 21; v. 241; p. 905.
- Capa Drug Company, Washington, D. C. Remedies for treating certain named diseases and ailments. No. 115,938; Mar. 27; v. 236; p. 1215.
- Capital Candy & Cracker Co., Sacramento, Cal. Candy and crackers. No. 117,642; July 24; v. 240; p. 1161.
- Capital City Dairy Co., Columbus, Ohio. Oleomargarina. No. 116,590; May 15; v. 238; p. 975.

Alphabetical list of registrants of trade-marks—Continued.

- Capital City Dairy Company, Columbus, Ohio. Oleomargarin. No. 118,463; Sept. 11; v. 242; p. 513.
- Capital Paper Company, Indianapolis, Ind. Paper bags. No. 115,486; Feb. 20; v. 235; p. 1049.
- Caproni Brothers Company, Providence, R. I. Still and sparkling or carbonated waters, ginger-ale, and carbonated water of different flavors. No. 117,108; June 19; v. 239; p. 934.
- Carbo Hydrogen Co. of America, Pittsburgh, Pa. Gaseous fuel compound for cutting and welding purposes. No. 114,938; Jan. 16; v. 234; p. 1039.
- Carbo-Hydrogen Company of America, Pittsburgh, Pa. Certain instruments and parts thereof used for cutting and welding purposes. No. 115,487; Feb. 20; v. 235; p. 1049.
- Carefree Cigar Company, New York, N. Y. Cigars. No. 118,154; Aug. 21; v. 241; p. 905.
- Carl Anderson Electric Corporation, New York, N. Y. Certain named electrical apparatus, machines, and supplies. No. 116,935; June 5; v. 239; p. 315.
- Carl Bonwit, Inc., New York, N. Y. Outer skirts. No. 117,738; July 31; v. 240; p. 1445.
- Carl E. Schmidt & Co. Inc., Detroit, Mich. Leather. No. 116,737; May 22; v. 238; p. 1325.
- Carleton Dry Goods Co., St. Louis, Mo. Sheetings, sheets, and pillow-cases. No. 114,940; Jan. 16; v. 234; p. 1039.
- Carlisle Charles S., Oklahoma, Okla. Preparations for the treatment of constipation, rheumatism, gall-stones, &c. No. 114,939; Jan. 16; v. 234; p. 1039.
- Carlisle Packing Co., Seattle, Wash. Canned salmon. No. 117,415; July 10; v. 240; p. 635.
- Carlisle Packing Co., Seattle, Wash. Canned salmon. No. 119,653; Dec. 11; v. 245; p. 546.
- Carmel & Goodman, Baltimore, Md. Middy blouses, skirts, and suits for children, misses, and ladies and children's dresses. No. 118,626; Sept. 25; v. 242; p. 987.
- Carmichael, David G., New York, N. Y. Gowns, outer suits, wraps, and garments made of fur. No. 114,941; Jan. 16; v. 234; p. 1039.
- Caron-Morin, Cordelia L., Manchester, N. H. Nerve medicine. No. 115,588; Feb. 27; v. 235; p. 1349.
- Carpenter-Morton Co., Boston, Mass. Enamel paint. No. 116,822; May 29; v. 238; p. 1635.
- Carpenter-Morton Company, Boston, Mass. Medicated preparation destructive or repellent to flies, lice, ticks, &c. No. 116,591; May 15; v. 238; p. 975.
- Carpenter-Morton Company, Boston, Mass. Certain named paints and painters' materials. No. 119,876; Dec. 18; v. 245; p. 839.
- Carson, Arnold, Philadelphia, Pa. Salves for healing wounds and skin diseases. No. 115,590; Feb. 27; v. 235; p. 1349.
- Carson, Pirie, Scott & Co., Chicago, Ill. Feet for hosiery. No. 116,881; June 5; v. 239; p. 313.
- Carson, Pirie, Scott & Co., Chicago, Ill. Sheets, pillow-cases, and tubing. No. 119,170; Oct. 30; v. 243; p. 1305.
- Carson, Pirie, Scott & Co., Chicago, Ill. Percales in the piece. No. 119,171; Oct. 30; v. 243; p. 1305.
- Carson, Pirie, Scott & Co., Chicago, Ill. Braid, tape, tatting-shuttles, and toilet-pins other than safety-pins. No. 119,946; Dec. 25; v. 245; p. 1021.
- Carter & Holmes, Chicago, Ill. Neckties. No. 116,941; June 5; v. 239; p. 315.
- Cartoonaday Incorporated, New York, N. Y. Cartoons. No. 119,654; Dec. 11; v. 245; p. 546.
- Casco Tanning Company, Portland, Me. Leather in the form of tanned hides. No. 117,292; July 3; v. 240; p. 333.
- Casein, Limited, Battersea, London, England. Medicated tonic nerve food. No. 115,159; Jan. 30; v. 234; p. 1577.
- Casement Hardware Co., The, Chicago, Ill. Rakes. No. 117,293; July 3; v. 240; p. 333.
- Cass & Daley Shoe Company, Salem, Mass. Leather boots and shoes. No. 117,247; June 26; v. 239; p. 1205.
- Cassinus, George S. A., St. Louis, Mo. Liquid for cleaning varnished and enameled surfaces. No. 116,882; June 5; v. 239; p. 318.
- Castello Branco & Commandita, Lisbon and Setubal, Portugal. Canned fish. No. 118,952; Oct. 16; v. 243; p. 789.
- Castine Lime & Twine Company, Castine, Me., assignors, by mesne assignments, to Gloucester Net & Twine Corporation. Fishing-lines. Nos. 118,747-8; Oct. 2; v. 243; p. 235.
- Castle Brothers, San Francisco, Cal. Certain named foods. No. 116,505; May 8; v. 238; p. 645.
- Castle Brothers, San Francisco, Cal. Dried apricots, prunes, peaches, pears, &c. No. 119,655; Dec. 11; v. 245; p. 546.
- Castle Brothers, San Francisco, Cal. Seeded raisins, pitted plums, dried apricots, &c. No. 119,656; Dec. 11; v. 245; p. 546.
- Castle, Sterling J., Shreveport, La. Coffee and chicory. No. 118,269; Aug. 28; v. 241; p. 1151.
- Cates, George W., Denver, Colo. Preparation for treatment of certain diseases of the skin. No. 114,699; Jan. 2; v. 234; p. 368.
- Celluloid Company, The, New York, N. Y. Men's, boys', and women's collars. No. 118,858; Oct. 9; v. 243; p. 519.
- Celluloid Starch Company, New York, N. Y., and New Haven, Conn. Scouring-powder. No. 117,109; June 19; v. 239; p. 934.
- Celluloid Starch Company, New York, N. Y., and New Haven, Conn. Scouring-powder. No. 117,644; July 24; v. 240; p. 1161.
- Centanni, Antonio, Chicago, Ill. Liniment for the relief of certain named ailments. No. 116,037; Apr. 3; v. 237; p. 305.
- Centennial Drug & Supply Company, Denver, Colo. Medicinal tonic for the nervous system, for purifying the blood, and as an aid to digestion. No. 119,877; Dec. 18; v. 245; p. 839.
- Centennial Mill Co., Spokane, Wash. Self-rising wheat-flour. No. 114,700; Jan. 2; v. 234; p. 368.
- Centennial Mill Co., Seattle, Wash. Wheat-flour. No. 117,517; July 17; v. 240; p. 935.
- Centennial Mill Company, Seattle, Wash. Self-rising wheat-flour. No. 119,258; Nov. 13; v. 244; p. 557.
- Central Commercial Company, Chicago, Ill. Refined petroleum to be used as a remedy or emollient. No. 114,870; Jan. 9; v. 234; p. 667.
- Central Gro. Co., Tifton, Ga. Self-rising flour. No. 116,192; Apr. 10; v. 237; p. 619.
- Central Timber Export Co. Inc., New York, N. Y. Lumber. No. 119,657; Dec. 11; v. 245; p. 546.
- Central Tool Company, The, Cranston, R. I. Micrometer-calipers and parts thereof. No. 118,273; Aug. 28; v. 241; p. 1151.
- Central-Topeka Paper Co., The, Topeka, Kans. Wrapping, writing, printing, and toilet paper. No. 115,489; Feb. 20; v. 235; p. 1049.
- Centrola Talking Machine Co., The, Brooklyn, N. Y. Talking-machines and parts thereof. No. 119,172; Oct. 30; v. 243; p. 1305.
- Certain-teed Products Corporation, St. Louis, Mo. Certain named paints and painters' materials. No. 119,039; Oct. 23; v. 243; p. 1059.
- Chadron Ice & Creamery Co., Chadron, Nebr. Butter. No. 115,734; Mar. 6; v. 236; p. 277.
- Chain Belt Company, Milwaukee, Wis. Chains and chain-links for conveying and power-transmission purposes. No. 114,701; Jan. 2; v. 234; p. 368.
- Chalmers Publishing Company, New York, N. Y. Monthly periodical. No. 118,155; Aug. 21; v. 241; p. 905.
- Chamberlain Co., The, Pittsburgh, Pa. Disinfectant-powder. No. 114,702; Jan. 2; v. 234; p. 368.
- Chamberlain Company, The, Pittsburgh, Pa. Chemical compound for cleaning and thawing pipes and for removing rust and stain. No. 116,038; Apr. 3; v. 237; p. 305.
- Chamberlain & Company, Inc., Boston, Mass. Certain named foods. No. 116,506; May 8; v. 238; p. 645.
- Champion Chemical Co., Asheville, N. C. Cleanser. No. 117,518; July 17; v. 240; p. 935.
- Champion Feed Milling Company, Clinton, Iowa. Stock food. No. 119,259; Nov. 13; v. 244; p. 557.
- Champion Ignition Co., Flint, Mich. Spark-plugs and spark-plug porcelains. No. 115,160; Jan. 30; v. 234; p. 1577.
- Champion Manufacturing & Sales Company, St. Louis, Mo. Certain ventilating apparatus. No. 119,040; Oct. 23; v. 243; p. 1059.
- Chandler Brokerage Co., Atchison, Hiawatha, and Horton, Kans. Certain named foods. No. 117,645; July 24; v. 240; p. 1161.
- Chandler, Harry H., New York, N. Y. Valve-grinding compound. No. 116,507; May 8; v. 238; p. 645.
- Chanslor, Isaac F., Maysville, Ky. Liver medicine. No. 119,260; Nov. 13; v. 244; p. 557.
- Charles McAdam Co., Chicago, Ill. Bleaching and cleaning compounds. No. 115,525; Feb. 20; v. 235; p. 1050.
- Charles Warner Company, Philadelphia and Cedar Hollow, Pa. Mixture of hydrated lime and raw limestone. No. 119,840; Dec. 11; v. 245; p. 551.
- Charles E. Shedaker & Sons, Philadelphia, Pa. Custom top dress, negligée, and work shirts. No. 118,707; Sept. 25; v. 242; p. 990.
- Charles E. Weyand & Co., Inc., New York, N. Y. Writing-paper and envelopes. No. 117,726; July 24; v. 240; p. 1164.
- Charles E. Weyand & Co. Inc., New York, N. Y. Writing-paper and envelopes. Nos. 118,604-7; Sept. 18; v. 242; p. 747.
- Charles H. Brown Paint Co., The, Brooklyn, N. Y. Paste paints. No. 116,399; May 1; v. 238; p. 305.
- Charles P. Stanley Cigar Company, St. Louis, Mo. Cigars, cigarettes, smoking and chewing tobacco. No. 119,396; Nov. 13; v. 244; p. 561.
- Charles Scribner's Sons, New York, N. Y. Title to a section of the advertising-pages of Scribner's magazine. No. 118,226; Aug. 21; v. 241; p. 908.
- Charles William Stores, Inc., The, Brooklyn, N. Y. Sewing-machines. No. 118,124; Aug. 14; v. 241; p. 619.
- Charles William Stores, Inc., The, Brooklyn, N. Y. Sewing-machines. No. 118,723; Sept. 25; v. 242; p. 990.
- Charles William Stores, Inc., The, Brooklyn, N. Y. Pianos and organs. No. 119,003; Oct. 16; v. 243; p. 791.
- Charmax Cravat Co., New York, N. Y. Men's cravats, neckties, and scarfs. No. 115,939; Mar. 27; v. 236; p. 1216.
- Chas. A. Krause Milling Co., Greenfield, Wis. Stock feed composed wholly or mainly of grains and seeds or mixtures thereof. No. 116,325; Apr. 24; v. 237; p. 1214.

- Chas. A. Schieren Company, New York, N. Y. Leather belting. No. 115,230; Jan. 30; v. 234; p. 1579.
- Chas. A. Schieren Company, New York, N. Y. Rawhide and lace leather. No. 116,984; June 5; v. 239; p. 316.
- Chas. A. Schieren Company, New York, N. Y. Adhesive belt-cement. No. 117,610; July 17; v. 240; p. 938.
- Chas. A. Schieren Company, New York, N. Y. Leather in the piece, specially-prepared leather, rawhide, hydraulic-cup leather, and curried mill-butts. No. 117,928; Aug. 7; v. 241; p. 296.
- Chas. A. Schieren Company, New York, N. Y. Leather belting and leather machinery packing. No. 118,224; Aug. 21; v. 241; p. 908.
- Chas. F. L'Hommedieu & Sons Co., Chicago, Ill. Certain named abrasive, detergent, and polishing materials. No. 118,678; Sept. 25; v. 242; p. 989.
- Chas. G. Robin, Inc., New York, N. Y. Certain named electrical specialties and conduit-fittings. No. 116,158; Apr. 10; v. 237; p. 618.
- Chas. Morningstar & Co. Inc., New York, N. Y. Blood-albumins. No. 118,316; Aug. 28; v. 241; p. 1153.
- Chas. Morningstar & Co. Inc., New York, N. Y. Dextrins, adhesive and soluble starch gums. No. 118,801; Oct. 2; v. 243; p. 237.
- Chas. Morningstar & Co. Inc., New York, N. Y. Gum-arabic and mucilage. No. 119,750; Dec. 11; v. 245; p. 549.
- Chas. Stoecker Tanning Co. Incorporated, Louisville, Ky. Prepared and partly-prepared, tanned, and sole leather. No. 119,814; Dec. 11; v. 245; p. 551.
- Chase Bag Co., St. Louis, Mo. Bags. No. 114,944; Jan. 16; v. 234; p. 1040.
- Chase & Company, L. C., Boston, Mass. Certain named knitted, netted, and textile fabrics. No. 117,294; July 3; v. 240; p. 333.
- Chase & Company, L. C., Boston, Mass. Artificial leather, coated textile fabrics, and a leather substitute. No. 117,416; July 10; v. 240; p. 635.
- Chase & Company, L. C., Boston, Mass. Certain named knitted, netted, and textile fabrics. No. 118,383; Sept. 4; v. 242; p. 249.
- Chase & Company, L. C., Boston, Mass. Blankets, sheets, dusters, and similar clothing for horses, cows, &c. No. 119,041; Oct. 23; v. 243; p. 1060.
- Chase Electric Company, Chicago, Ill. Electric window-lighting and signs. No. 116,400; May 1; v. 238; p. 305.
- Chattanooga Drug & Chemical Co., Chattanooga, Tenn. Tonic for use in certain diseases and disorders. No. 119,261; Nov. 13; v. 244; p. 557.
- Chattanooga Implement & Manufacturing Co., Chattanooga, Tenn. Sad-irons. No. 118,157; Aug. 21; v. 241; p. 905.
- Chattanooga Stamping & Enameling Company, Chattanooga, Tenn. Table-tops of steel. No. 118,749; Oct. 2; v. 243; p. 235.
- Cheboygan Paper Company, Cheboygan, Mich. Wrapping-paper. Nos. 119,042-3; Oct. 23; v. 243; p. 1060.
- Cheeseman, Sherwood E., Phoebus, Va. Germicide. No. 117,646; July 24; v. 240; p. 1161.
- Chejlavá, Magdalena, Chicago, Ill. Salve for cuts, bruises, lacerations, and skin and muscular injuries. No. 115,490; Feb. 20; v. 235; p. 1049.
- Chemical Lime & Sand Company, Huntington, W. Va., and Lawton, Ky. Ground lime. No. 115,491; Feb. 20; v. 235; p. 1049.
- Chennaux, Nicholas, Le Mars, Iowa. Hog-cholera and foot-and-mouth disease. No. 114,703; Jan. 2; v. 234; p. 368.
- Chesson & Son, Harold, West Brookfield, Mass. Ink-well. No. 117,295; July 3; v. 240; p. 333.
- Chicago Air-Tight Stove Co. (not inc.), Chicago, Ill. Coal, wood, gas, and oil stoves or ranges. No. 118,274; Aug. 28; v. 241; p. 1151.
- Chicago Concentrated Food Co., Chicago, Ill. Brans, meals, toasts, rusks, biscuits, crackers, cookies. No. 118,158; Aug. 21; v. 241; p. 905.
- Chicago Consolidated Bottling Company, Chicago, Ill. Non-alcoholic carbonated beverages sold as soft drinks. No. 114,871; Jan. 9; v. 234; p. 667.
- Chicago Pneumatic Tool Company, Chicago, Ill. Automobiles and automobile-trucks. No. 116,595; May 15; v. 238; p. 975.
- Chicago Record-Herald Company, The, Chicago, Ill. Series of cartoons. No. 118,496; Sept. 18; v. 242; p. 743.
- Chicago Varnish Company, Chicago, Ill. Varnish; paint; dry, paste, red-mixed, and ceramic; Japan, &c. No. 116,745; May 22; v. 238; p. 1325.
- Chichester, Jane W., New York, N. Y. Children's rompers, dresses, and play-suits. No. 119,658; Dec. 11; v. 245; p. 546.
- Childs Company, New York, N. Y. Monthly periodical. No. 118,384; Sept. 4; v. 242; p. 249.
- Chinook Packing Company, Chinook, Wash. Canned salmon. No. 115,161; Jan. 30; v. 234; p. 1577.
- Chippewa Springs Corporation, Minneapolis, Minn. Beverages, Certain named non-alcoholic. No. 119,429; Nov. 20; v. 244; p. 813.
- Chone Peroxide Company, New York, N. Y. Peroxid of hydrogen. No. 119,262; Nov. 13; v. 244; p. 557.
- Chope-Stevens Paper Co., Detroit, Mich. Bond-paper. No. 115,300; Feb. 6; v. 235; p. 318.
- Chovanecz, Paul, Johnstown, Pa. Remedy for gonorrhea. No. 115,301; Feb. 6; v. 235; p. 318.
- Christian Peper Tobacco Co., St. Louis, Mo. Smoking and chewing tobacco. No. 115,221; Jan. 30; v. 234; p. 1579.
- Christian Peper Tobacco Co., St. Louis, Mo. Smoking and chewing tobacco. No. 115,591; Feb. 27; v. 235; p. 1349.
- Church, Webb & Close, New York, N. Y. Neckties and neckscarfs. No. 116,203; Apr. 17; v. 237; p. 913.
- Churchill & Alden Co., Brockton, Mass. Men's, women's, and children's shoes of leather, canvas, rubber, cloth, and other fabrics. No. 117,519; July 17; v. 240; p. 935.
- Cincinnati Butchers Supply Company, The, Cincinnati, Ohio. Certain named cutlery, machinery, and tools, and parts thereof. No. 117,110; June 19; v. 239; p. 934.
- Cincinnati Galvanizing Company, The, Cincinnati, Ohio. Garbage pails and cans and cans used in making artificial ice. No. 116,596; May 15; v. 238; p. 975.
- Cincinnati Iron & Steel Company, The, Cincinnati, Ohio. Engine, stud, and single-purpose lathes, drills, planers, and grinders. No. 115,844; Mar. 13; v. 236; p. 591.
- Cincinnati Iron & Steel Company, The, Cincinnati, Ohio. Certain named metals and metal castings and forgings. No. 116,118; Apr. 10; v. 237; p. 617.
- Cincinnati Rubber Manufacturing Company, The, Norwood, Ohio. Rubber belting, duck belting, rubber and duck hose, &c. Nos. 114,704-5; Jan. 2; v. 234; p. 368.
- Cincinnati Rubber Manufacturing Company, The, Norwood, Ohio. Certain named belting, hose, machinery packing, and brake-band lining. No. 114,706; Jan. 2; v. 234; p. 368.
- Cincinnati Rubber Manufacturing Co., The, Norwood, Ohio. Certain named belting, hose, and machinery packing. Nos. 114,707-9; Jan. 2; v. 234; p. 368.
- Cincinnati Rubber Manufacturing Co., The, Norwood, Ohio. Rubber belting and hose, duck belting and hose. No. 114,710; Jan. 2; v. 234; p. 368.
- Cincinnati Rubber Manufacturing Company, Norwood, Ohio. Rubber and duck beltings and hose and rubber and asbestos machinery packings. Nos. 115,302-3; Feb. 6; v. 235; p. 318.
- Cincinnati Rubber Manufacturing Company, The, Norwood, Ohio. Rubber and duck beltings and hose and rubber, flax, and asbestos machinery packing. No. 116,746; May 22; v. 238; p. 1325.
- Cinnakol Chemical Sales Co., Bayonne, N. J. Certain pharmaceutical preparations and veterinary and poultry remedies for certain named diseases. No. 117,997; Aug. 14; v. 241; p. 616.
- Cipriano, Gandolfo, New York, N. Y. Feed-bags. No. 115,735; Mar. 6; v. 236; p. 277.
- Citrus Fruit Juice Co., Pomona, Cal. Lemon-shampoo. No. 114,711; Jan. 2; v. 234; p. 368.
- City Manufacturing Corporation, New Bedford, Mass. Yarn. No. 114,945; Jan. 16; v. 234; p. 1040.
- Clark, Adelaide, New York, N. Y. Puzzles. No. 115,304; Feb. 6; v. 235; p. 318.
- Clark Thread Company, The, Newark, N. J. Crochet hooks or needles. No. 115,940; Mar. 27; v. 236; p. 1216.
- Clark Thread Company, The, Newark, N. J. Crochet hooks or needles. No. 116,597; May 15; v. 238; p. 975.
- Clarke-Guthrie Co., Philadelphia, Pa. Dental, medical, and surgical disinfecting fluid. No. 116,884; June 5; v. 239; p. 313.
- Clasgens, Margaret, Chicago, Ill. Gargle and mouth-wash. No. 119,263; Nov. 13; v. 244; p. 557.
- Class Journal Co., The, New York, N. Y. A publication issued weekly. No. 119,173; Oct. 30; v. 243; p. 1305.
- Class Journal Co., The, New York, N. Y. Magazine published weekly. No. 119,659; Dec. 11; v. 245; p. 546.
- Class Journal Company, The, New York, N. Y. Periodical issued three times yearly. No. 116,119; Apr. 10; v. 237; p. 617.
- Classique Phonograph Corporation, The, Chicago, Ill. Phonograph-cabinets. No. 118,859; Oct. 9; v. 243; p. 519.
- Clausen, Holger V., New York, N. Y. Hair-water for the treatment of dandruff and a medicated injection and pills for treating venereal diseases. No. 116,508; May 8; v. 238; p. 645.
- Cledon, James G., Dixon, Ill. Carbonated soft drinks. No. 116,402; May 1; v. 238; p. 305.
- Clegg, Sherman D., Wheeling, W. Va. Ointment for the relief of certain named affections. No. 117,025; June 12; v. 239; p. 651.
- Clément, Bernadette C., London, England. Antiseptics and disinfectants. No. 117,297; July 3; v. 240; p. 333.
- Clements, Frederick W., Rochester, N. Y. Medicinal tonic, blood and tissue builder. No. 116,039; Apr. 3; v. 237; p. 305.
- Cleveland Dental Manufacturing Company, The, Cleveland, Ohio. Certain named dental tools and supplies. No. 115,305; Feb. 6; v. 235; p. 318.
- Cleveland Milling Machine Company, The, Cleveland, Ohio. Milling, grinding, and relieving machines and cutters. No. 117,998; Aug. 14; v. 241; p. 616.
- Cleveland & Sandusky Brewing Company, The, Cleveland, Ohio. Beer. No. 119,660; Dec. 11; v. 245; p. 546.
- Cleveland Tenslilite Co., The, Cleveland, Ohio. Flux. No. 114,712; Jan. 2; v. 234; p. 368.
- Climaiene Chemical Company, Canton, Ohio. Cleansers and water-softeners. No. 114,713; Jan. 2; v. 234; p. 368.

Alphabetical list of registrants of trade-marks—Continued.

- Cline, Crowell & McCorkle, Newton, N. C. Tire-sealing compound. No. 117,417; July 10; v. 240; p. 635.
- Cling-Surface Company, Buffalo, N. Y. A preservative for wire rope and cable, chains, and other metal articles. No. 119,264; Nov. 13; v. 244; p. 557.
- Clinton-Copeland Company, Burlington, Iowa. Candy. No. 117,647; July 24; v. 240; p. 1161.
- Clo-Vo Chemical Co., Seattle, Wash. Pile remedy. No. 117,999; Aug. 14; v. 241; p. 616.
- Cloutier & Jarvis, Claremont, N. H. Hair-wash. No. 118,385; Sept. 4; v. 242; p. 249.
- Cluett, Peabody & Co. Inc., Troy, N. Y. Collars, shirts, cuffs, pajamas, and bath-robos. No. 118,386; Sept. 4; v. 242; p. 249.
- Cluett, Peabody & Co. Inc., Troy, N. Y. Handkerchiefs. No. 118,860; Oct. 9; v. 243; p. 519.
- Clume, Philip J., Ottawa, Ill. Catamenial sacks. No. 115,850; Mar. 20; v. 236; p. 885.
- Cluthe, Charles, Sr., Cincinnati, Ohio. Trusses. No. 116,598; May 15; v. 238; p. 975.
- Clyde Cars Company, The, Clyde, Ohio, and New York, N. Y. Motor-cars. No. 116,288; Apr. 24; v. 237; p. 1213.
- Coast Manufacturing & Supply Co., Livermore, Cal. Safety-fuse. Nos. 114,714-15; Jan. 2; v. 234; p. 368.
- Coast Manufacturing and Supply Company, Livermore, Cal. Safety-fuse. No. 118,159; Aug. 21; v. 241; p. 906.
- Coast Mfg. and Supply Company, Livermore, Cal. Safety-fuse. No. 118,861; Oct. 9; v. 243; p. 519.
- Cobden-Scott Co. Inc., New York, N. Y. Outer waists for women and girls. No. 117,418; July 10; v. 240; p. 635.
- Cochrane, J. P., Edinburgh, Scotland. Golf accessories. No. 114,946; Jan. 16; v. 234; p. 1040.
- Cochrane, J. P., Edinburgh, Scotland. Iron heads for golf-clubs. No. 116,599; May 15; v. 238; p. 976.
- Cochrane, James P., Edinburgh, Scotland. Golf-club shafts and golf-clubs. No. 118,160; Aug. 21; v. 241; p. 906.
- Cocotone Chemical Company, Los Angeles, Cal. Hair-tonic, dandruff-remover, scalp-cleanser. No. 118,498; Sept. 18; v. 242; p. 743.
- Coe-Mortimer Company, The, New York, N. Y. Fertilizer. No. 117,419; July 10; v. 240; p. 635.
- Coffetone Manufacturing Company, Minneapolis, Minn. Substitute for coffee. No. 115,306; Feb. 6; v. 235; p. 318.
- Cogswell, Guy K., Hutchinson, Kans. Tire-repairing cement. No. 117,740; July 31; v. 240; p. 1445.
- Cohen Goldman & Co., Inc., New York, N. Y. Certain named clothing. No. 114,947; Jan. 16; v. 234; p. 1040.
- Cohen, Hyman, Boston, Mass. Certain named clothing for women, misses, nurses, and maids. No. 119,175; Oct. 30; v. 243; p. 1305.
- Cohn-Goldwater & Company, Los Angeles, Cal. Overalls. No. 117,827; Aug. 7; v. 241; p. 293.
- Cole, Arthur J., Omaha, Nebr. Antiseptic cream for burns and for rubbing on the hands as a protection against acid-burns. No. 119,508; Nov. 27; v. 244; p. 1081.
- Cole, Barzillai L., St. Louis, Mo. Remedy for diseases and disorders of the uterus. No. 116,289; Apr. 24; v. 237; p. 1213.
- Cole Motor Car Co., Indianapolis, Ind. Automobiles. No. 119,662; Dec. 11; v. 245; p. 546.
- Cole, Nora, Allentown, Pa. Chemical ink-eraser. No. 115,845; Mar. 13; v. 236; p. 591.
- Colfax Bottling Works, Colfax, Iowa. Non-alcoholic carbonated beverage to be sold as a soft drink. No. 116,823; May 29; v. 238; p. 1635.
- Colgate & Co., Jersey City, N. J., and New York, N. Y. Perfumes, toilet powders and waters, sachets. No. 117,026; June 12; v. 239; p. 651.
- Colgate & Co., Jersey City, N. J., and New York, N. Y. Soaps. No. 118,627; Sept. 25; v. 242; p. 987.
- Colgate & Co., Jersey City, N. J., and New York, N. Y. Toilet waters, handkerchief extracts, perfumed powders, sachets. No. 118,750; Oct. 2; v. 243; p. 235.
- Colgate & Co., Jersey City, N. J., and New York, N. Y. Soaps. No. 119,509; Nov. 27; v. 244; p. 1081.
- Colgate & Co., New York, N. Y. Mouth and dental washes. No. 118,000; Aug. 14; v. 241; p. 616.
- Collenberg, Arthur M., Baltimore, Md. Laundry blue for the bluing of clothes. No. 119,265; Nov. 13; v. 244; p. 557.
- Collins & Barnard Co., New York, N. Y. Eggs. No. 114,716; Jan. 2; v. 234; p. 368.
- Collins, George, Pittsburgh, Pa. Medicinal salve for treatment of certain named affections and for skin eruptions. No. 115,307; Feb. 6; v. 235; p. 318.
- Collins, Harry, New York, N. Y. Certain named outer wearing-apparel for ladies. No. 117,248; June 26; v. 239; p. 1205.
- Collins, John T. L., Brooklyn, N. Y. Monthly aeronautical journal. No. 115,736; Mar. 6; v. 236; p. 277.
- Colonial Steel Company, Pittsburgh, Pa. Steel. No. 117,111; June 19; v. 239; p. 934.
- Colonial Tyre & Rubber Co. Inc., The, New York, N. Y. Rubber tires for automobiles and other vehicles. No. 116,942; June 5; v. 239; p. 315.
- Colorado Milling & Elevator Co., The, Denver and Pueblo, Colo. Wheat-flour. Nos. 119,044-5; Oct. 23; v. 243; p. 1060.
- Colorado Milling & Elevator Co., The, Denver, Colo. Wheat-flour. No. 119,947; Dec. 25; v. 245; p. 1021.
- Colorado Phonograph Company, The, Denver, Colo. Talking-machines. No. 117,828; Aug. 7; v. 241; p. 293.
- Colorplate Engraving Company, The, New York, N. Y. Etched and engraved plates. No. 116,290; Apr. 24; v. 237; p. 1213.
- Colt, Joseph, Bakersfield, Cal. Compound for the removal of moles, warts, blotches, and the like. No. 117,829; Aug. 7; v. 241; p. 293.
- Columbia Brewing Co., Tacoma, Wash. Non-alcoholic carbonated beverages. No. 116,121; Apr. 10; v. 237; p. 617.
- Columbia Broom Works, Inc., Brooklyn, N. Y. Brooms. No. 119,046; Oct. 23; v. 243; p. 1060.
- Columbia Chemical Co., Washington, D. C. Puncture-putty. No. 118,862; Oct. 9; v. 243; p. 519.
- Columbia Electric Novelty Corporation, New York, N. Y. Electric batteries and flash-lights. No. 116,943; June 5; v. 239; p. 315.
- Columbia Leather Goods Mfg. Co. Inc., New York, N. Y. Men's belts. No. 118,387; Sept. 4; v. 242; p. 249.
- Columbia Leather Goods Mfg. Co., Inc., New York, N. Y. Men's belts. No. 119,510; Nov. 27; v. 244; p. 1081.
- Columbia Polish Co., The, New York, N. Y. A liquid polish for furniture, pianos, and woodwork. No. 119,511; Nov. 27; v. 244; p. 1082.
- Columbia River Association, Astoria, Oreg. Canned salmon. Nos. 117,830-1; Aug. 7; v. 241; p. 293.
- Columbia River Packers Association, Astoria, Oreg. Canned salmon. No. 115,069; Jan. 23; v. 234; p. 1307.
- Columbia River Packers Association, Astoria, Oreg. Canned salmon. No. 117,112; June 19; v. 239; p. 934.
- Columbia River Packers Association, Astoria, Oreg. Canned salmon. No. 119,663; Dec. 11; v. 245; p. 546.
- Columbian Enameling & Stamping Company, Terre Haute, Ind. Certain named hardware and plumbing and steam-fitting supplies. No. 118,751; Oct. 2; v. 243; p. 235.
- Columbus Pharmacal Company, The, Columbus, Ohio. Medicinal preparation for certain named diseases. No. 115,162; Jan. 30; v. 234; p. 1577.
- Colwell, Frank S., Pawnee City, Nebr. A salve or balm for treatment of certain named affections and diseases. No. 119,266; Nov. 13; v. 244; p. 557.
- Colytic Corporation, Chicago, Ill. Eggs. No. 118,953; Oct. 16; v. 243; p. 789.
- Comar Remedy Company, Hot Springs, Ark. Blood remedy for treating certain named diseases. No. 116,824; May 29; v. 238; p. 1635.
- Combination Rubber Mfg. Co., The, Bloomfield, N. J. Certain named belting, hose, machinery packing, and non-metallic tires. No. 118,161; Aug. 21; v. 241; p. 906.
- Comerford, Harry D., Grafton, W. Va. Spring-water. No. 119,664; Dec. 11; v. 245; p. 546.
- Commercial Car Unit Company, Philadelphia, Pa. Motor-trucks and units for converting pleasure-car vehicles into trucks. No. 119,665; Dec. 11; v. 245; p. 546.
- Commercial Creamery Company, Spokane, Wash. Butter and honey. No. 116,600; May 15; v. 238; p. 976.
- Commercial Importing Co., Seattle, Wash. Baking-powder. No. 116,291; Apr. 24; v. 237; p. 1213.
- Commercial Paste Co., The, Columbus, Ohio. Film-cement. No. 117,741; July 31; v. 240; p. 1445.
- Commercial Vehicle, Inc., New York, N. Y. A publication issued semimonthly. No. 119,176; Oct. 30; v. 243; p. 1305.
- Common Sense Gum Co., New York, N. Y. Chewing-gum. Nos. 118,275-6; Aug. 28; v. 241; p. 1151.
- Common Sense Gum Company, New York, N. Y. Chewing-gum. No. 118,954; Oct. 16; v. 243; p. 789.
- Commons, Arthur B., Sanford, Fla. Miniature paintings on porcelain to be placed upon jewelry for personal adornment. No. 118,277; Aug. 28; v. 241; p. 1151.
- Commonwealth Chemical Corporation, Hoboken, N. J. Inorganic-acid salt used in place of tartaric acid used by bakers and confectioners. No. 119,666; Dec. 11; v. 245; p. 546.
- Commonwealth Chemical Corporation, Hoboken, N. J. Inorganic-acid salt. No. 119,667; Dec. 11; v. 245; p. 546.
- Commonwealth Toy Corporation, Merrimac, Mass. Toys consisting of wooden blocks for construction of toy buildings and other articles. No. 117,832; Aug. 7; v. 241; p. 293.
- Community Marvel Millers' Association, Owensboro, Ky. Wheat-flour. No. 118,388; Sept. 4; v. 242; p. 249.
- Compressed Metal Company, New York, N. Y. Attachments for photographs and like articles. No. 115,492; Feb. 20; v. 235; p. 1049.
- Compton-Price Company, The, Coshocton, Ohio. Phonograph. No. 114,872; Jan. 9; v. 234; p. 667.
- Concordia Safety Lamp Co., The, Pittsburgh, Pa. Miners electric lamps. No. 116,292; Apr. 24; v. 237; p. 1213.
- Concrete Engineering Company, Omaha, Nebr. Structural iron and steel building materials. No. 118,162; Aug. 21; v. 241; p. 906.
- Conklin, Laura W., Brooklyn, N. Y. Puttees. No. 119,879; Dec. 18; v. 245; p. 839.
- Conover, Geret H., Middletown, N. J. Vegetable relish composed of tomatoes, peppers, onions, &c. No. 117,742; July 31; v. 240; p. 1445.
- Conrad, Elmer E., Newton, Kans. Furniture-polish and sanitary cleaner. No. 114,717; Jan. 2; v. 234; p. 368.

- Conradty, Firm of C., Nuremberg, Germany. Electric-light carbons. No. 116,040; Apr. 3; v. 237; p. 305.
- Conrey-Davis Mfg. Co., Shelbyville, Ind. Certain named furniture. No. 114,718; Jan. 2; v. 234; p. 368.
- Consolidated Bottling Co., Newark, N. J. Stock-ale and extra porter. No. 115,592; Feb. 27; v. 235; p. 1349.
- Consolidated Car-Heating Co., Albany, N. Y. Cooking-stoves. No. 117,833; Aug. 7; v. 241; p. 294.
- Consolidated Company, Chicago, Ill. Certain named construction materials. No. 115,881; Mar. 20; v. 236; p. 885.
- Consolidated Grocery Company, Tampa, Jacksonville, and Pensacola, Fla. Wheat-flour and cereal products for use as breakfast foods. No. 119,267; Nov. 13; v. 244; p. 557.
- Consolidated Mills Co., High Point, N. C. Hosiery, knit underwear and jerseys, sweaters, work-shirts. No. 118,163; Aug. 21; v. 241; p. 906.
- Consolidated Wafer Company, New York, N. Y., and Chicago, Ill. Ice-cream cones. No. 119,268; Nov. 13; v. 244; p. 558.
- Consolidation Coal Co., The, Baltimore, Md. Coal. No. 116,944; June 5; v. 239; p. 315.
- Continental Fibre Company, The, Newark, Del. Electrical insulating material. No. 117,249; June 26; v. 239; p. 1205.
- Continental Mills, The, Lewiston, Me., and Boston, Mass. Pillow-tubing, sheeting, and cotton piece goods. No. 116,601; May 15; v. 238; p. 976.
- Continental Motors Corporation, Detroit, Mich. Internal-combustion engines, clutches, and their parts. No. 118,628; Sept. 25; v. 242; p. 987.
- Continental Piano Company, Chicago, Ill. Pianos. No. 117,648; July 24; v. 240; p. 1161.
- Continental Piston Ring Co., Memphis, Tenn. Piston-rings. No. 114,719; Jan. 2; v. 234; p. 368.
- Continental Rubber Works, Erie, Pa. Rubber pneumatic tires. No. 116,293; Apr. 24; v. 237; p. 1213.
- Continental Varnish Company Inc., New York, N. Y. Varnish, enamel, furniture-polish, and varnish-remover. No. 115,308; Feb. 6; v. 235; p. 318.
- Converse & Company, New York, N. Y. Cotton piece goods. Nos. 119,668-70; Dec. 11; v. 245; p. 546.
- Converse Rubber Shoe Co., Malden, Mass. Women's boots and shoes. No. 117,421; July 10; v. 240; p. 635.
- Converse Rubber Shoe Co., Malden, Mass. Boots and shoes made of rubber and canvas. No. 118,889; Sept. 4; v. 242; p. 249.
- Converse Rubber Shoe Company, Malden, Mass. Rubber tires. No. 117,834; Aug. 7; v. 241; p. 294.
- Conway & Hall, Sault Ste. Marie, Mich. Medicinal tablets for the treatment of anemic conditions of the blood. No. 115,737; Mar. 6; v. 236; p. 277.
- Cook, Charles I., Menominee, Mich. Certain named foods. No. 119,047; Oct. 23; v. 243; p. 1060.
- Cook, Charles I., Menominee, Mich. Certain named foods. No. 119,269; Nov. 13; v. 244; p. 558.
- Coony Bayer Cigar Co., Fort Wayne, Ind. Cigars. No. 116,747; May 22; v. 238; p. 1325.
- Cooper, Michael, New York, N. Y. Bath-robos, house-dresses, kimonos, negligees, bathing-suits. No. 116,204; Apr. 17; v. 237; p. 913.
- Cordo-Hyde Company, Brockton, Mass. Shoe strings and lacings, tapes, and galloons. No. 116,945; June 5; v. 239; p. 315.
- Corega Chemical Company, Augusta, Me., and Cleveland, Ohio. Dental powder for assisting in holding dental plates in the mouth. No. 114,948; Jan. 16; v. 234; p. 1040.
- Coriell, Louis D., Baltimore, Md. Shaving-brushes. No. 115,568; Feb. 20; v. 235; p. 1052.
- Corl, George R., Buda, Ill. Hog-tonic. No. 117,298; July 3; v. 240; p. 333.
- Cornelius and Son, W. R., Nashville, Tenn. Wheat-flour. No. 119,048; Oct. 23; v. 243; p. 1060.
- Cornhauser Co., Chicago, Ill. Stomach-bitters. No. 119,270; Nov. 13; v. 244; p. 558.
- Corning Glass Works, Corning, N. Y. Glass. No. 115,846; Mar. 13; v. 236; p. 591.
- Coronet Phosphate Company, New York, N. Y. Pebble phosphate. No. 116,602; May 15; v. 238; p. 976.
- Corp. of Chas. F. Meyer, New York, N. Y. Japanese-lily bulbs. No. 119,906; Dec. 18; v. 245; p. 840.
- Cott-a-lap Company, The, Somerville, N. J. Oil-cloth. No. 114,949; Jan. 16; v. 234; p. 1040.
- Cott-a-lap Company, The, Somerville, N. J. Wall-paper size adapted for covering walls, ceilings, and other surfaces. No. 116,825; May 29; v. 238; p. 1635.
- Cottonseed Products Co., The, Roff, Okla. Stock and cotton-seed mixed feeds. No. 116,603; May 15; v. 238; p. 976.
- Coventry Chain Company Ltd., The, Coventry, England. Drive-chains of ordinary metal for general purposes in the transmission of power. No. 118,390; Sept. 4; v. 242; p. 249.
- Covington, Lawrence E., Columbia, S. C. Monthly magazine devoted to the interests of women in general. No. 118,278; Aug. 28; v. 241; p. 1151.
- Cowan, William U., Chicago, Ill. Vulcanizable fabric tire-repair material. No. 115,310; Feb. 6; v. 235; p. 318.
- Craddock-Terry Company, Lynchburg, Va., and St. Louis, Mo. Leather shoes. No. 116,946; June 5; v. 239; p. 315.
- Craddock-Terry Company, Lynchburg, Va., and St. Louis, Mo. Leather shoes. No. 118,279; Aug. 28; v. 241; p. 1151.
- Craft, Mrs. Laurella J., Winfield, Kans. Remedy for asthma, croup, coughs, catarrh of throat and head, and throat trouble. No. 119,271; Nov. 13; v. 244; p. 558.
- Craig, William A., Clinton, Ky. Treatment of hogs for cholera, thumps, colds, constipation, and coughs. No. 119,272; Nov. 13; v. 244; p. 558.
- Cramer, Samuel, Philadelphia, Pa. Satins in the piece. No. 115,739; Mar. 6; v. 236; p. 277.
- Crampton-Farley Brass Co., Kansas City, Mo. Floor-drains. No. 116,604; May 15; v. 238; p. 976.
- Crandall, Bruce V., Chicago, Ill. Monthly magazine. No. 118,280; Aug. 28; v. 241; p. 1151.
- Crandall, Bruce V., Kenilworth, Ill. Magazine published monthly. No. 119,671; Dec. 11; v. 245; p. 546.
- Crandall, Bruce V., Chicago, Ill. Monthly magazine. No. 119,880; Dec. 18; v. 245; p. 839.
- Crandall Packing Company, Palmyra, N. Y., and Birmingham, Ala. Rubber belting and hose. No. 116,748; May 22; v. 238; p. 1325.
- Crane, Clarence A., Cleveland, Ohio. Chocolate. No. 115,740; Mar. 6; v. 236; p. 277.
- Crane, Clarence A., Cleveland, Ohio. Chocolate candy. No. 117,113; June 19; v. 239; p. 934.
- Crane Company, Chicago, Ill. Valves, expansion-joints, flanges, laterals, &c. No. 119,049; Oct. 23; v. 243; p. 1060.
- Crane & Company, W. B., Portland, Oreg. Non-alcoholic carbonated tonic beverage to be sold as a soft drink. No. 115,593; Feb. 27; v. 235; p. 1349.
- Craw, George R., Fort Wayne, Ind. Electric kitchen cooking-cabinet. No. 119,881; Dec. 18; v. 245; p. 839.
- Cream of Rice Co., Chicago, Ill. Breakfast cereal. No. 115,311; Feb. 6; v. 235; p. 318.
- Creedolin Co., The, Philadelphia, Pa. Substitute for glycerin in the manufacture of glazed kid. No. 117,835; Aug. 7; v. 241; p. 294.
- Crescent Bed Co., Limited, New Orleans, La. Iron and brass beds, cribs, bed-springs, and cots. No. 118,863; Oct. 9; v. 243; p. 519.
- Crescent Co., The, Meriden, Conn. Certain named cutlery, machinery, and tools, and parts thereof. No. 119,512; Nov. 27; v. 244; p. 1082.
- Crew Levick Company, Philadelphia, Pa. Polishing-cloths. No. 115,357; Feb. 6; v. 235; p. 319.
- Crew Levick Company, Philadelphia, Pa. Illuminating, lubricating, and burning oils and greases. Nos. 116,404-7; May 1; v. 238; p. 305.
- Crew Levick Company, Philadelphia, Pa. Illuminating, lubricating, and burning oils and greases. No. 116,826; May 29; v. 238; p. 1635.
- Crew Levick Company, Philadelphia, Pa. Illuminating, lubricating, and burning oils and greases. Nos. 117,114-15; June 19; v. 239; p. 934.
- Crew Levick Company, Philadelphia, Pa. Illuminating, lubricating, and burning oils and grease. Nos. 117,520-6; July 17; v. 240; p. 935.
- Crew Levick Company, Philadelphia, Pa. Illuminating, lubricating, and burning oils and greases. No. 118,001; Aug. 14; v. 241; p. 616.
- Crew Levick Company, Philadelphia, Pa. Illuminating, lubricating, and burning oils and greases. No. 118,053; Aug. 14; v. 241; p. 617.
- Crew Levick Company, Philadelphia, Pa. Gear compounds and greases for lubricating purposes. No. 118,303; Aug. 28; v. 241; p. 1152.
- Crew Levick Company, Philadelphia, Pa. Illuminating, lubricating, and burning oils and greases. No. 119,050; Oct. 23; v. 243; p. 1060.
- Cribben & Sexton Company, Chicago, Ill. Stoves, ranges, and hot-air furnaces and parts of same. No. 116,122; Apr. 10; v. 237; p. 617.
- Crouch & Fitzgerald, New York, N. Y. Hat-boxes, valises, certain named trunks, cases, and bags. No. 117,116; June 19; v. 239; p. 934.
- Crown Cork and Seal Co. of Baltimore City, The, Baltimore, Md. Bottle-openers. No. 114,950; Jan. 16; v. 234; p. 1040.
- Crown Cork and Seal Co. of Baltimore City, The, Baltimore, Md. Bottle-openers. No. 115,312; Feb. 6; v. 235; p. 318.
- Crown Cork and Seal Company of Baltimore City, The, Baltimore, Md. Closures for bottles and the like. No. 117,422; July 10; v. 240; p. 635.
- Crown Overall Manufacturing Company, The, Cincinnati, Ohio. Overalls and one-piece overall-suits. No. 118,629; Sept. 25; v. 242; p. 987.
- Crown Suspender Co., New York, N. Y. Children's garment and hose supporters. No. 115,493; Feb. 20; v. 235; p. 1049.
- Crown Willamette Paper Company, San Francisco, Cal. Wrapping-paper. Nos. 116,408-10; May 1; v. 238; p. 305.
- Crown Willamette Paper Company, San Francisco, Cal. Wrapping-paper. No. 119,948; Dec. 25; v. 245; p. 1021.
- Crownfield, David, Boston, Mass. Electric-lighting fixtures. No. 115,163; Jan. 30; v. 234; p. 1577.
- Crusellas y Ca., Habana, Cuba. Hair-tonic. No. 114,937; Jan. 16; v. 234; p. 1039.

Alphabetical list of registrants of trade-marks—Continued.

- Crutcher, William E., Elizabethtown, Ky. Preparation for the treatment of hog-cholera. No. 117,299; July 3; v. 240; p. 333.
- Crystal Soap Company, Milwaukee, Wis. Toilet, laundry, powdered, and liquid soaps. No. 118,955; Oct. 16; v. 243; p. 789.
- Crystal Soap Company, Milwaukee, Wis. Certain named toilet preparations. No. 119,273; Nov. 13; v. 244; p. 558.
- Cuban Confectionery and Trading Company, Inc., The, New York, N. Y. Guava jelly, paste, and cream. No. 119,672; Dec. 11; v. 245; p. 546.
- Cudahy Packing Company, The, Chicago, Ill. Canned pork and beans. No. 115,313; Feb. 6; v. 235; p. 318.
- Cudahy Packing Company, The, Portland, Me., and Chicago, Ill. Mattresses. No. 118,752; Oct. 2; v. 243; p. 235.
- Cudahy Refining Company, The, Portland, Me., and Chicago, Ill. Lubricating-oils. No. 119,882; Dec. 18; v. 245; p. 839.
- Culmer Chemical Company, The, Independence, Kans. Preparation to increase the vaporization and intensify hydrocarbon fuels. No. 116,294; Apr. 24; v. 237; p. 1214.
- Cummer Products Co., Cleveland, Ohio. Cleaner for silks, laces, furs, kid gloves, leathers, feathers, and felt. No. 115,070; Jan. 23; v. 234; p. 1307.
- Cunardi Pharmacal Company, Burlington, Iowa. Healing-powders for application to wounds. No. 117,300; July 3; v. 240; p. 333.
- Cunningham Piano Company, Philadelphia, Pa. Pneumatic player-pianos. No. 117,527; July 17; v. 240; p. 935.
- Curbo, Wise, Garrison, Tex. Cough remedy. No. 119,274; Nov. 13; v. 244; p. 558.
- Curry Chemical Company, Atlanta, Ga. Tooth-lotions. No. 117,836; Aug. 7; v. 241; p. 294.
- Curtice Brothers Co., Rochester, N. Y. Canned fruits and vegetables. No. 115,941; Mar. 27; v. 236; p. 1216.
- Curtice Brothers Co., Rochester, N. Y. Certain named foods. No. 115,942; Mar. 27; v. 236; p. 1216.
- Curtice Brothers Co., Rochester, N. Y. Certain named foods. No. 117,837; Aug. 7; v. 241; p. 294.
- Curtis, Harold P., San Jose, Cal. Fruit—namely, dried fruits such as prunes. No. 116,295; Apr. 24; v. 237; p. 1214.
- Curtiss Aeroplane and Motor Corporation, Buffalo, N. Y. Internal-combustion engine. No. 118,003; Aug. 14; v. 241; p. 616.
- Cushing, John A., Lancaster, N. Y. Soluble sulfonated hydrocarbon having curative properties and used in treating certain named diseases. No. 116,827; May 29; v. 238; p. 1635.
- Cushman & Denison Manufacturing Company, The, New York, N. Y. Mucilage. No. 116,041; Apr. 3; v. 237; p. 305.
- Cushman & Denison Mfg. Co., New York, N. Y. Pen-racks. No. 116,411; May 1; v. 238; p. 305.
- Cussins & Fearn Co., The, Columbus, Ohio. Wire fencing. No. 116,749; May 22; v. 238; p. 1325.
- Cussins & Fearn Co., The, Columbus, Ohio. Mixed liquid paints. No. 116,828; May 29; v. 238; p. 1635.
- Cussins & Fearn Co., The, Columbus, Ohio. Gas and coal stoves. No. 117,117; June 19; v. 239; p. 934.
- Cussins & Fearn Co., The, Columbus, Ohio. Oil-paint. No. 117,301; July 3; v. 240; p. 333.
- Cussins & Fearn Co., The, Columbus, Ohio. Kitchen-cabinets. No. 117,528; July 17; v. 240; p. 935.
- Cynthia Mills, Boston, Mass. Cotton yarns. No. 118,753; Oct. 2; v. 243; p. 235.
- D. Nusbaum & Co., New York, N. Y. Bathing-suits and sweaters. No. 117,054; June 12; v. 239; p. 652.
- D. L. Marx Co., Cairo, Ill. Men's and women's overalls, work-pants, and shirts. No. 118,681; Sept. 25; v. 242; p. 989.
- D. & L. Slade Co., Boston, Mass. Flavoring extracts for foods, and spices. No. 115,115; Jan. 23; v. 234; p. 1309.
- D. L. Ward Company, Philadelphia, Pa. Certain named paper and stationery. No. 120,001; Dec. 25; v. 245; p. 1023.
- Dae Health Laboratories, Detroit, Mich., assignor to Saltrates Company, Buffalo, N. Y. Medicinal preparation for internal uses. No. 119,673; Dec. 11; v. 245; p. 546.
- Daffron, Joseph M., New York, N. Y. Hat-blocks, shoe-lasts. No. 119,883; Dec. 18; v. 245; p. 840.
- Dalley-Udell Company, Incorporated, Brockport, N. Y. Canned fruits and vegetables. No. 116,296; Apr. 24; v. 237; p. 1214.
- Dalton, John J., Chicago, Ill. Chewing-gum and mints. No. 119,275; Nov. 13; v. 244; p. 558.
- Dalton Machine Co., Inc., New York, N. Y. Lathes. No. 119,051; Oct. 23; v. 243; p. 1060.
- Daly, Rose M., Portland, Oreg. Hair-growing preparations. No. 117,649; July 24; v. 240; p. 1161.
- Daniel Aberle & Sons, St. Paul, Minn. Whisky, rum, ethyl alcohol, brandy, gin, and cordials. No. 117,728; July 31; v. 240; p. 1445.
- Daniels, Jay V., Chicago, Ill. Preparation for removing superfluous hair. No. 118,500; Sept. 18; v. 242; p. 743.
- Darling & Company, Chicago, Ill. Fertilizers, and particularly fertilizers composed of animal matter. No. 117,838; Aug. 7; v. 241; p. 294.
- Darling & Company, Chicago, Ill. Prepared animal and poultry foods. No. 118,391; Sept. 4; v. 242; p. 249.
- Darling & Company, Chicago, Ill. Foods—namely, prepared stock and poultry foods. No. 118,501; Sept. 18; v. 242; p. 743.
- Darling, Loren M., Des Moines, Iowa. Root-canal paste. No. 119,052; Oct. 23; v. 243; p. 1060.
- Darling Motor Company, Dayton, Ohio. Automobiles. No. 118,864; Oct. 9; v. 243; p. 519.
- Darlington, Howard D., Dayton, Ohio. Cabinet talking-machine. No. 117,423; July 10; v. 240; p. 635.
- Daschner, John F., Detroit, Mich. Tables, chairs, serving-cabinets, &c. No. 114,720; Jan. 2; v. 234; p. 368.
- David Killoch Co., New York, N. Y. Ground clamps and bushings. No. 118,886; Oct. 9; v. 243; p. 520.
- Davidson Baking Co., Seattle, Wash. Bread. No. 117,027; June 12; v. 239; p. 651.
- Davidson, Samuel C., Belfast, Ireland. Pistols or guns for throwing shells, and such shells. Nos. 117,839-40; Aug. 7; v. 241; p. 294.
- Davis Carpenter & Co., Inc., New York, N. Y. Vault-light panels or slabs. No. 115,589; Feb. 27; v. 235; p. 1349.
- Davis Carpenter & Co., Inc., New York, N. Y. Lenses for vault-light construction. No. 115,943; Mar. 27; v. 236; p. 1216.
- Davis-Dougherty Canning Co., Russellville, Tenn. Canned fruits and vegetables. No. 118,865; Oct. 9; v. 243; p. 519.
- Davis, E. F., St. Louis, Mo. Medicine for rheumatic pains, gout, and lumbago. No. 116,885; June 5; v. 239; p. 313.
- Davis, Fred L., Gloucester, Mass. Salted, smoked, pickled, fresh, and canned fish. No. 116,750; May 22; v. 238; p. 1325.
- Davis & Geck, Inc., Brooklyn, N. Y. Certain named pharmaceutical preparations. No. 116,042; Apr. 3; v. 237; p. 305.
- Davis, John A., Boston, Mass. Turn-tables for talking-machines. No. 115,071; Jan. 23; v. 234; p. 1307.
- Davis, John P., Chicago, Ill. Certain named clothing for men and women. No. 116,886; June 5; v. 239; p. 313.
- Davis, Samuel H., Lansing, Mich. Remedy for catarrh. No. 114,721; Jan. 2; v. 234; p. 368.
- Davis, Warren J., Camden, N. J. Remedy for rheumatism and kidney diseases. No. 115,314; Feb. 6; v. 235; p. 318.
- Davol Rubber Company, Providence, R. I. Certain named dental, medical, and surgical appliances. No. 117,118; June 19; v. 239; p. 934.
- Dawson, George E., Clare, Mich. Cigars. No. 118,754; Oct. 2; v. 243; p. 236.
- Dawson Springs Company, Inc., Portland, Me., and Dawson Springs, Ky. Mineral water, concentrated. No. 117,119; June 19; v. 239; p. 934.
- De Bevoise, Walter W., Brooklyn, N. Y. Candy. No. 116,205; Apr. 17; v. 237; p. 913.
- De Boer & Bach, New York, N. Y. Steel pocket, pen, and jack knives, scissors, and razors. No. 118,004; Aug. 14; v. 241; p. 616.
- De Bonis, Silvio, Oakland, Cal. Food beverage composed of roasted grains and fruit. No. 117,424; July 10; v. 240; p. 635.
- De Cosmis, Victor, Hoboken, N. J. Hair-tonic. No. 119,276; Nov. 13; v. 244; p. 558.
- De Courcy, Alice, Cincinnati, Ohio. Remedy for sore throat, pyorrhea, catarrh, and hay-fever, also a mouth-wash. No. 116,413; May 1; v. 238; p. 305.
- De Freitas, Henry I., Valparaiso, Ind. A liquid cleaning compound. No. 118,957; Oct. 16; v. 243; p. 789.
- De Luxe Mfg. Co., Chicago, Ill. Writing and drawing inks in both liquid and soluble tablet form. No. 115,595; Feb. 27; v. 235; p. 1349.
- De Luxe Mfg. Co., Chicago, Ill. Dyes in soluble tablet form. No. 118,630; Sept. 25; v. 242; p. 987.
- De Vessey, Maria L. C. V., Washington, D. C. A medicinal tonic and salve for treating certain named diseases. No. 119,058; Oct. 23; v. 243; p. 1060.
- De Vibiss Manufacturing Company, The, Toledo, Ohio. Surgical spraying instrument. No. 118,757; Oct. 2; v. 243; p. 236.
- Deagan, John C., assignor to J. C. Deagan Musical Bells, Chicago, Ill. Musical instruments of the xylophone type having metal or wooden bars. No. 116,412; May 1; v. 238; p. 305.
- Decatur Extract Co., Decatur, Ill. Certain named foods and ingredients of foods. No. 115,315; Feb. 6; v. 235; p. 318.
- Deere & Company, Moline, Ill. Certain named cutlery, machinery, and tools, and parts thereof. No. 119,513; Nov. 27; v. 244; p. 1082.
- Defiance Check Writer Corporation, Rochester, N. Y. Printing-machines, and more particularly checkwriters and check-protectors. No. 115,594; Feb. 27; v. 235; p. 1349.
- Defiance Check Writer Corporation, Rochester, N. Y. Check-protectors. No. 115,741; Mar. 6; v. 236; p. 277.
- Defiance Check Writer Corporation, Rochester, N. Y. Mirrors for personal use. No. 119,053; Oct. 23; v. 243; p. 1060.
- Del Castillo & Company, Rafael, New York, N. Y. Cotton piece goods. No. 115,488; Feb. 20; v. 235; p. 1049.

- Del Castillo, Francisco, Santiago de Cuba, Cuba. Rum, cognac, anise-seed spirit, and fruit-cream liquors. No. 117,529; July 17; v. 240; p. 936.
- Del Castillo, Francisco, Santiago de Cuba, Cuba. High-class rum. No. 117,530; July 17; v. 240; p. 936.
- Del Oro Groves, Safety Harbor, Fla. Oranges and grapefruit. No. 117,553; July 17; v. 240; p. 936.
- Del Valle, Salvador F., New York, N. Y. Preparation for the treatment of the scalp. No. 118,755; Oct. 2; v. 243; p. 236.
- Delgado Mills, Wilmington, N. C. Gingham. No. 115,438; Feb. 13; v. 235; p. 691.
- Delgado Mills, Wilmington, N. C. Gingham. No. 118,005; Aug. 14; v. 241; p. 616.
- Delscamp-Roemboldt Company, Dayton, Ohio. Certain named paints and painters' materials. No. 118,631; Sept. 25; v. 242; p. 987.
- Delson Chemical Co., Inc., The, New York, N. Y. Treatment for distemper. No. 117,650; July 24; v. 240; p. 1161.
- Delson Knitting Mills, Chicago, Ill. Knitted and textile sweaters, hosiery, headwear, bathing-suits, &c. No. 115,072; Jan. 23; v. 234; p. 1307.
- Delta Chemical Company, New Canaan, Conn. A preparation for the treatment of rheumatism. No. 119,277; Nov. 13; v. 244; p. 558.
- Deltos Grass Rug Company, Oshkosh, Wis. Certain named furniture. No. 115,494; Feb. 20; v. 235; p. 1049.
- Dement Bros. Co., The, Walla Walla, Wash. Wheat-flour. No. 119,278; Nov. 13; v. 244; p. 558.
- Demianenko, Yermoly, New York, N. Y. Accordions. No. 115,166; Jan. 30; v. 234; p. 1578.
- Deming, Wm. L., Salem, Ohio. Holders for flagstuffs and similar articles. No. 119,054; Oct. 23; v. 243; p. 1060.
- Denmark Condensed Milk Company, The, Denmark, Wis. Condensed milk. No. 115,944; Mar. 27; v. 236; p. 1216.
- Denneen Motor Company, The, Cleveland, Ohio. Automobiles and motor-cars, either for pleasure or commercial use. No. 118,756; Oct. 2; v. 243; p. 236.
- Dennett, Fred. A., assignor to United Phonographs Corporations, Port Washington, Wis. Phonographs and phonograph-records. No. 117,028; June 12; v. 239; p. 651.
- Dental and Toilet Products Corporation, The, New York, N. Y. Mouth-wash, antiseptic, and astringent. No. 116,123; Apr. 10; v. 237; p. 617.
- Dental and Toilet Products Corporation, The, New York, N. Y. Tooth-paste. No. 117,841; Aug. 7; v. 241; p. 294.
- Denton, Harrison B., Beardstown, Ill. Polishing-oils. No. 115,596; Feb. 27; v. 235; p. 1349.
- Derr, Geo. L., New York, N. Y. Moving-picture films. Nos. 116,414-16; May 1; v. 238; pp. 305-6.
- Derryvale Linen Company, New York, N. Y. Certain named knitted, netted, and textile fabrics. No. 118,866; Oct. 9; v. 243; p. 519.
- Desmond, Bertrand G., Pittsburgh, Pa. Lubricating-oils and lubricant. No. 119,057; Oct. 23; v. 243; p. 1060.
- Desmond-Stephan Manufacturing Co., The, Urbana, Ohio. Grinding material in the nature of an abrasive for grinding-wheel dressers. No. 115,945; Mar. 27; v. 236; p. 1216.
- Detmer Woolen Co., New York, N. Y.; Boston, Mass.; Chicago, Ill.; Kansas City, Mo.; San Francisco and Los Angeles, Cal., and Seattle, Wash. Woolen fabrics in the piece. No. 114,722; Jan. 2; v. 234; p. 368.
- Detmer Woolen Co., New York, N. Y. Woolen goods in the piece. No. 115,439; Feb. 13; v. 235; p. 691.
- Detroit Dental Manufacturing Co., Detroit, Mich. Chewing-gum. No. 117,744; July 31; v. 240; p. 1445.
- Detroit Marvel Brass Manufacturing Co., Detroit, Mich. Sewer-gas traps and plumbing connections. No. 115,847; Mar. 13; v. 238; p. 591.
- Detroit Starter Co., Detroit, Mich. Electric motor-car-lighting systems. No. 114,723; Jan. 2; v. 234; p. 368.
- Detroit Starter Co., Detroit, Mich. Electric motor-car-lighting systems. No. 118,006; Aug. 14; v. 241; p. 616.
- Detroit Twist Drill Co., Detroit, Mich. Drills, reamers, cutters, and special cutting-tools. No. 118,007; Aug. 14; v. 241; p. 616.
- Detwiller & Street Fireworks Manufacturing Company, New York, N. Y. Fireworks. Nos. 116,605-8; May 15; v. 238; p. 976.
- Detwiller & Street Fireworks Manufacturing Company, New York, N. Y. Fireworks. No. 117,531; July 17; v. 240; p. 936.
- Deuel, Avery G., Rock Springs, Wyo. Certain named chemicals, medicines, and pharmaceutical preparations. No. 118,632; Sept. 25; v. 242; p. 987.
- Deutsch, Rudolph, New York, N. Y. Woven knitted piece goods of wool, worsted, or silk or mixtures thereof. No. 118,164; Aug. 21; v. 241; p. 906.
- Devine & Yungel Shoe Mfg. Co., Harrisburg, Pa. Leather shoes. No. 116,124; Apr. 10; v. 237; p. 617.
- Devlin, Joseph C., Lynn, Mass. Tooth powder and paste. No. 116,043; Apr. 3; v. 237; p. 305.
- Di Palma, F. & J., New York, N. Y. Olive-oil. No. 119,949; Dec. 25; v. 245; p. 1021.
- Diamond Expansion Bolt Co., New York, N. Y. Expansion-bolts. No. 119,884; Dec. 18; v. 245; p. 840.
- Diamond Individual Towel System Co., Spokane, Wash. Towel-racks, follower-boards, and lugs. No. 115,316; Feb. 6; v. 235; p. 318.
- Diamond Ink Co., Milwaukee, Wis. Writing fluid, red ink, fountain-pen ink. No. 118,392; Sept. 4; v. 242; p. 249.
- Diamond Ink Co., Milwaukee, Wis. Certain named inks and inking materials. No. 118,633; Sept. 25; v. 242; p. 987.
- Diamond Power Specialty Company, Detroit, Mich. Appliances for cleaning boilers. Nos. 116,044-5; Apr. 3; v. 237; p. 305.
- Diamond & Sons, John, Philadelphia, Pa. Stove-polish. No. 115,495; Feb. 20; v. 235; p. 1049.
- Dick, Ralph H., Marietta, Ohio. Explosives for use in bombs. No. 117,745; July 31; v. 240; p. 1445.
- Dickard, Herbert E., Monroe, La. Rubber patch for repairing inner tubes of automobile-tires. No. 117,651; July 24; v. 240; p. 1161.
- Dieckerhoff, Raffoer & Co., New York, N. Y. Crochet-hooks. No. 116,609; May 15; v. 238; p. 976.
- Diehl, Edward, Nashville, Tenn. Non-alcoholic carbonated beverages to be sold as soft drinks. No. 116,829; May 29; v. 238; p. 1635.
- Diehl, W. Lloyd, King City, Mo. Cigars. No. 114,724; Jan. 2; v. 234; p. 368.
- Dietrich, Pierce A., Philadelphia, Pa. Certain named medicines and pharmaceutical preparations. No. 116,680; May 15; v. 238; p. 973.
- Dietz Manufacturing Company, The, Cincinnati, Ohio. Dish-washing machines. No. 114,951; Jan. 16; v. 234; p. 1040.
- Digestive Ferments Co., Detroit, Mich. Milk-curdling products. No. 118,634; Sept. 25; v. 242; p. 987.
- Dional Syndicate, The, London, England. Antiseptic preparation for healing wounds, cuts, and abrasions and stopping bleeding. No. 115,848; Mar. 13; v. 236; p. 591.
- Dirvin, Peter, Healdsburg, Cal. Chili sauce, canned foods, &c. No. 117,746; July 31; v. 240; p. 1445.
- Disc Chemical Company, Newark, N. J. Sugar-of-milk tablets. No. 117,029; June 12; v. 239; p. 651.
- Dixie Paper & Box Company, Atlanta, Ga. Toilet-paper. No. 118,758; Oct. 2; v. 243; p. 236.
- Dixon, Thomas O., Townsend, Mont. Beer. No. 114,725; Jan. 2; v. 234; p. 368.
- Dixson, John B., Buffalo, N. Y. Compound liquor of arsenic bromid. No. 117,652; July 24; v. 240; p. 1161.
- Doan, Wm. C., Zanesville, Ohio. Tonic laxative tablet. No. 117,302; July 3; v. 240; p. 333.
- Doc. Strock Remedy Co., Akron, Ohio. Catarrh, pile, cough, &c. remedies, antiseptic powder, cathartic pills. No. 116,700; May 15; v. 238; p. 979.
- Doggett, Stanley, New York, N. Y. Foundry-facings of all sorts. No. 116,752; May 22; v. 238; p. 1325.
- Dolle, Fred, Chicago, Ill. Razors and shears. No. 114,952; Jan. 16; v. 234; p. 1040.
- Dolfus-Mieg & Cie. Société Anonyme, Mulhouse, Germany. Threads and yarns made of cotton, silk, linen, jute, and ramie. No. 114,726; Jan. 2; v. 234; p. 368.
- Dolomite Products Company, The, Cleveland, Ohio. Refractory materials for furnace-linings and the like. No. 119,178; Oct. 30; v. 243; p. 1305.
- Domestic Engine & Pump Co., Shippensburg, Pa. Internal-combustion engines. No. 119,179; Oct. 30; v. 243; p. 1305.
- Domestic Soap Mfg. Co., New York and Long Island City, N. Y. Scouring-soap. No. 118,165; Aug. 21; v. 241; p. 906.
- Domestic Sugar Producers, Inc., New York, N. Y. Trade periodical published weekly. No. 118,166; Aug. 21; v. 241; p. 906.
- Donald Company, Grand Island, Nebr. Tea. No. 119,430; Nov. 20; v. 244; p. 813.
- Donohue, Patrick, Columbus, Ohio. Medicinal preparation for treatment of certain named diseases. No. 116,610; May 15; v. 238; p. 976.
- Doran, William J. H., Denver, Colo. Substitute for coffee. No. 116,611; May 15; v. 238; p. 976.
- Dorman, Huxford & Co., Boston, Mass. Canned salmon. No. 114,727; Jan. 2; v. 234; p. 368.
- Dorros Bros., New York, N. Y. Artificial flowers, bridal wreaths, bouquets, and flower trimmings. No. 115,440; Feb. 13; v. 235; p. 691.
- Dothan Syrup Company, Dothan, Ala. Cane table-syrup. No. 119,678; Dec. 11; v. 245; p. 547.
- Dr. A. C. Daniels, Inc., Boston, Mass. Hair-tonic. No. 115,164; Jan. 30; v. 234; p. 1577.
- Dr. J. H. McLean Medicine Co., The, St. Louis, Mo. Remedies for certain named complaints and disorders. No. 115,456; Feb. 13; v. 235; p. 691.
- Dr. J. O. Lambert Limited, Montreal, Quebec, Canada. Preparation for the treatment of cough, cold, bronchitis, catarrh, &c. No. 117,885; Aug. 7; v. 241; p. 295.
- Drake, Charles B., Yonkers, N. Y. Marmalades. No. 117,532; July 17; v. 240; p. 936.
- Draper Corporation, Hopedale, Mass. Serial publication. No. 118,502; Sept. 18; v. 242; p. 743.
- Drezwell Co. Inc., The, New York, N. Y. Ladies', intermediates', misses', and juniors' one and two piece dresses, waists, gimpes. No. 118,167; Aug. 21; v. 241; p. 906.
- Drink and Be Sober Co. Inc., New York, N. Y. Non-alcoholic beverage sold as a soft drink. No. 118,867; Oct. 9; v. 243; p. 519.

Alphabetical list of registrants of trade-marks—Continued.

- Driver Harris Wire Company, Harrison, N. J. Wire and metallic strips highly resistant to heat and of low electrical conductivity. No. 115,496; Feb. 20; v. 235; p. 1049.
- Dry Milk Company, The, New York, N. Y. Desiccated milk. No. 118,503; Sept. 18; v. 242; p. 743.
- Du Pont, Auguste F. P., New York, N. Y. Concentrated vegetable soup and purée tablets and packages, also bouillon and consommé boxes, tablets, and packages. No. 119,060; Oct. 23; v. 243; p. 1060.
- Du Pont, Auguste F. P., New York, N. Y. Concentrated vegetable soup and purée, also bouillon and consommé. No. 119,951; Dec. 25; v. 245; p. 1021.
- Duane Laboratories, New York, N. Y. Paste for treatment of soft bleeding gums. No. 115,742; Mar. 6; v. 236; p. 277.
- Dubois Watch Case Company, Brooklyn, N. Y. Watches. No. 118,635; Sept. 25; v. 242; p. 987.
- Dubois Watch Case Company, Brooklyn, N. Y. Watches. No. 118,958; Oct. 16; v. 243; p. 789.
- Dudley, Charles H., Hanover, N. H. Sweaters, jerseys, coats, caps, shirts, underwear, socks, and leggings. No. 119,280; Nov. 13; v. 244; p. 558.
- Duenna Manufacturing Company, Seattle, Wash. Ladies' sanitary napkins. No. 118,270; Aug. 28; v. 241; p. 1151.
- Duluth-Superior Milling Company, Duluth, Minn. Wheat-flour. No. 117,533; July 17; v. 240; p. 936.
- Dun Co., R. G., New York, N. Y. Title of a monthly publication. No. 118,504; Sept. 18; v. 242; p. 743.
- Duncan, William, Toronto, Ontario, Canada. Bacterolysin for certain named animal complaints. No. 118,505; Sept. 18; v. 242; p. 743.
- Dundas Brothers Co., Philadelphia, Pa. Wheat-flour. No. 117,120; June 19; v. 239; p. 934.
- Dundas Brothers Co., Philadelphia, Pa. Wheat-flour. Nos. 117,425-6; July 10; v. 240; p. 635.
- Dundas Brothers Co., Philadelphia, Pa. Wheat-flour. No. 117,534; July 17; v. 240; p. 936.
- Dundas Brothers Co., Philadelphia, Pa. Wheat-flour. No. 118,959; Oct. 16; v. 243; p. 789.
- Dundas Brothers Co., Philadelphia, Pa. Wheat-flour. No. 119,281; Nov. 13; v. 244; p. 558.
- Dundas Brothers Co., Philadelphia, Pa. Wheat-flour. No. 119,950; Dec. 25; v. 245; p. 1021.
- Dundee Textile Co., Passaic, N. J. Silk and silk-mixed goods in the piece. No. 118,960; Oct. 16; v. 243; p. 789.
- Dunfee, Hod C., Charleston, W. Va. Nursing-bottles. No. 119,059; Oct. 23; v. 243; p. 1060.
- Dunham, William P., New York, N. Y. Smokers' pipes. No. 118,868; Oct. 9; v. 243; p. 519.
- Dunham, William P., New York, N. Y. Smokers' pipes, cigar and cigarette holders. No. 119,679; Dec. 11; v. 245; p. 547.
- Duofold Health Underwear Company, Mohawk, N. Y. Knitted underwear. No. 115,317; Feb. 6; v. 235; p. 318.
- Duplex Lighting System Incorporated, The, Chicago, Ill. Metal reflectors for lighting-fixtures. No. 117,842; Aug. 7; v. 241; p. 294.
- Duplicator Manufacturing Company, Chicago, Ill. Duplicating or multicopying machines. No. 115,497; Feb. 20; v. 235; p. 1049.
- Duprey-Faulmann Company, Detroit, Mich. Mustard, catsup, jellies, vinegar. No. 117,843; Aug. 7; v. 241; p. 294.
- Duquesne Paint Company, The, Pittsburgh, Pa. Ready-mixed and paste paint. No. 118,009; Aug. 14; v. 241; p. 616.
- Durel, Charles G., New Orleans, La. Roasted coffee. No. 114,728; Jan. 2; v. 234; p. 369.
- Durel, Charles G., New Orleans, La. Coffee, chicory, and cacao-seed coats. No. 114,729; Jan. 2; v. 234; p. 369.
- Durel, Charles G., New Orleans, La. Coffee and chicory. No. 116,193; Apr. 10; v. 237; p. 619.
- Durex Chemical Corporation, New York, N. Y., and Sweet-water, Tenn. Filler or pigment for use in the manufacture of rubber tires. No. 118,393; Sept. 4; v. 242; p. 249.
- Durex Chemical Corporation, New York, N. Y., and Sweet-water, Tenn. Paint-pigments, enamels, and ready-mixed paints for wall-finishing. No. 118,636; Sept. 25; v. 242; p. 987.
- Durex Chemical Corporation, New York, N. Y., and Sweet-water, Tenn. Ingredient used in paints and painters' materials. No. 118,760; Oct. 2; v. 243; p. 236.
- Durham Manufacturing Company, Muncie, Ind. Fireless stoves. No. 115,946; Mar. 27; v. 236; p. 1216.
- Durkee-Atwood Co., Minneapolis, Minn. Certain named paints and painters' supplies. No. 115,597; Feb. 27; v. 235; p. 1350.
- Durkee-Atwood Co., Minneapolis, Minn. Chemical preparation for certain named purposes. No. 116,046; Apr. 3; v. 237; p. 305.
- Durkee-Atwood Co., Minneapolis, Minn. Certain named lubricating oils and greases. No. 116,417; May 1; v. 238; p. 306.
- Durkee-Atwood Co., Minneapolis, Minn. Certain named abrasive, detergent, and polishing materials. No. 116,887; June 5; v. 239; p. 313.
- Durkee-Atwood Co., Minneapolis, Minn. Tire-powder and tire-mica. No. 117,121; June 19; v. 239; p. 934.
- Durkee-Atwood Co., Minneapolis, Minn. Rubber filler and cement, patching and vulcanizing cements, &c. No. 117,535; July 17; v. 240; p. 936.
- Durkee-Atwood Co., Minneapolis, Minn. Automobile-patches. No. 118,394; Sept. 4; v. 242; p. 249.
- Durst & Chartz Furniture Co., Carson City, Nev. Polish for automobiles, carriages, and furniture. No. 115,168; Jan. 30; v. 234; p. 1578.
- Duryea, Minga P., New York, N. Y. Rolled cigarettes. No. 117,122; June 19; v. 239; p. 934.
- Dwinell-Wright Company, Boston, Mass. Monthly publication. No. 118,761; Oct. 2; v. 243; p. 236.
- Dye Products Company of the United States, Philadelphia, Pa. Dyes. No. 116,047; Apr. 3; v. 237; p. 305.
- Dyer, Margaret, Collinsville, Conn. Cake, potato chips, doughnuts, salted nuts. No. 116,297; Apr. 24; v. 237; p. 1214.
- E. Clinton & Co. Incorporated, Philadelphia, Pa. Paint-brushes. No. 119,174; Oct. 30; v. 243; p. 1305.
- E. Greenfield's Sons, New York, N. Y. Candies. No. 117,550; July 17; v. 240; p. 936.
- E. Rauh & Sons Fertilizing Company, Indianapolis, Ind. Stock and poultry food. No. 116,359; Apr. 24; v. 237; p. 1215.
- E. Sperling Company, The, Cleveland, Ohio. Maternity-frocks. No. 117,614; July 17; v. 240; p. 938.
- E. van Noorden & Co., Boston, Mass. Skylights. No. 116,020; Mar. 27; v. 236; p. 1218.
- E. A. Bowman Co., Detroit, Mich. Spark and priming plugs. No. 116,584; May 15; v. 238; p. 975.
- E. A. Mallory and Sons, Incorporated, Danbury, Conn., and New York, N. Y. Men's and women's fur-felt hats. Nos. 114,792-3; Jan. 2; v. 234; p. 370.
- E. B. Kingman Company, Leominster, Mass. Lenses for electrically-lighted automobiles and motor-vehicles. No. 117,671; July 24; v. 240; p. 1162.
- E. B. Meyrowitz, Inc., New York, N. Y. Mechanical device used as an aid to hearing. No. 118,209; Aug. 21; v. 241; p. 907.
- E. C. Brown Co., The, Rochester, N. Y. Spraying apparatus. No. 117,992; Aug. 14; v. 241; p. 615.
- E. C. Gatlin Importing Company, Kansas City, Mo. Certain named foods. No. 118,766; Oct. 2; v. 243; p. 236.
- E. C. Mills Leather Co., Boston, Mass. Finished calfskins. No. 117,459; July 10; v. 240; p. 636.
- E. F. Houghton & Co., Philadelphia, Pa. Carburiizing and case-hardening materials. No. 117,325; July 3; v. 240; p. 334.
- E. G. Staudt Manufacturing Co., St. Paul, Minn. Tractors. No. 118,715; Sept. 25; v. 242; p. 990.
- E. I. Horsman Co., New York, N. Y. Dolls and tennis-rackets. No. 117,865; Aug. 7; v. 241; p. 295.
- E. L. Patch Co., The, Boston, Mass. Suppositories for the relief of hemorrhoids. No. 115,220; Jan. 30; v. 234; p. 1579.
- E. L. Patch Co., The, Boston, Mass. Preparation for eliminating carbon in gas-engine cylinders. No. 116,084; Apr. 3; v. 237; p. 306.
- E. M. Schwarz & Co., New York, N. Y. Cigars, cheroots, and little cigars. No. 115,233; Jan. 30; v. 234; p. 1580.
- E. M. Schwarz & Co., New York, N. Y. Cigars, cigarettes, cheroots, and little cigars. No. 117,475; July 10; v. 240; p. 637.
- E. P. Johnson Piano Co., Ottawa, Ill. Talking-machines. No. 116,525; May 8; v. 238; p. 646.
- E. S. Kibbe Company, The, Hartford, Conn. Roasted coffee. No. 117,448; July 10; v. 240; p. 636.
- E. S. Kibbe Company, The, Hartford, Conn. Canned vegetables and fruits. No. 118,541; Sept. 18; v. 242; p. 745.
- E. W. Conklin & Son, Inc., Binghamton, N. Y. Seed corn and grain, grass, clover, and field seeds. No. 117,420; July 10; v. 240; p. 635.
- E. W. Conklin & Son, Inc., Binghamton, N. Y. Seed-corn, timothy and clover seeds. No. 118,499; Sept. 18; v. 242; p. 743.
- E. W. Hayden Co., The, Toledo, Ohio. Polish for furniture, automobiles, woodwork of all kinds, and all varnished surfaces. No. 115,510; Feb. 20; v. 235; p. 1050.
- E. & Z. Van Raalte, New York, N. Y. Nettings, veils, and veilings in the piece. No. 114,849; Jan. 2; v. 234; p. 372.
- E. & Z. Van Raalte, New York, N. Y. Nettings, veils, and veilings in the piece. No. 116,480; May 1; v. 238; p. 307.
- E. & Z. Van Raalte, New York, N. Y. Nettings, veils, and veilings in the piece. No. 118,934; Oct. 9; v. 243; p. 522.
- E-ZE Products Co., Inc., The, New York, N. Y. Cold-cream. No. 116,421; May 1; v. 238; p. 306.
- E-ZE Products Co., Inc., The, New York, N. Y. Detergent paste for cleaning the human skin, textile fabrics, leather, and imitation leather. No. 117,654; July 24; v. 240; p. 1161.
- Eagle Manufacturing Co. Inc., Baltimore, Md. Ice-cream cones. No. 117,427; July 10; v. 240; p. 635.
- Eagle Pencil Company, New York, N. Y. Pen and pencil clips. Nos. 119,952-3; Dec. 25; v. 245; p. 1021.
- Earl Cowan Company, Los Angeles, Cal. Coffee. No. 115,738; Mar. 6; v. 236; p. 277.
- Earl, Edwin T., Los Angeles, Cal. Newspaper. No. 114,953; Jan. 16; v. 234; p. 1040.

- Earl, Edwin T., Los Angeles, Cal. Newspaper. No. 115,169; Jan. 30; v. 234; p. 1578.
- Earl Studios, Inc., New York, N. Y. Magazine issued semimonthly. No. 116,947; June 5; v. 239; p. 315.
- East St. Louis-New Athens Brewing Co., New Athens, Ill. Cereal beverage. No. 116,298; Apr. 24; v. 237; p. 1214.
- Eastern Mfg. Co., Philadelphia, Pa. Fruit and vegetable evaporators. No. 119,885; Dec. 18; v. 245; p. 840.
- Eastman, Gardiner & Company, Laurel, Miss. Yellow-pine lumber and timber. No. 115,882; Mar. 20; v. 236; p. 885.
- Eastman Kodak Co., Rochester, N. Y. Photographic developers. No. 115,743; Mar. 6; v. 236; p. 277.
- Eastman Kodak Co., Rochester, N. Y. Photographic film. Nos. 116,125-9; Apr. 10; v. 237; p. 617.
- Eastman Kodak Co., Rochester, N. Y. Cameras. No. 116,130; Apr. 10; v. 237; p. 617.
- Eastman Kodak Co., Rochester, N. Y. Photographic paper. Nos. 116,612-15; May 15; v. 238; p. 976.
- Eastman Kodak Co., Rochester, N. Y. Photographic plates. No. 118,637; Sept. 25; v. 242; p. 987.
- Eastman Kodak Co., Rochester, N. Y. Photographic paper. No. 118,638; Sept. 25; v. 242; p. 987.
- Eastman Kodak Co., Rochester, N. Y. Photographic plates. No. 118,639; Sept. 25; v. 242; p. 987.
- Eastman Kodak Co., Rochester, N. Y. Photographic developer. No. 119,282; Nov. 13; v. 244; p. 558.
- Eastman Kodak Company, Rochester, N. Y. Sensitized photographic paper and photographic backing-paper. No. 119,514; Nov. 27; v. 244; p. 1082.
- Eastman Kodak Company, Rochester, N. Y. Photographic toning chemicals and solutions, mat-surfacing preparation, and negative-varnish. No. 119,515; Nov. 27; v. 244; p. 1082.
- Eastman Kodak Co., Rochester, N. Y. Photographic cameras, camera backs, and film. No. 119,601; Dec. 4; v. 245; p. 275.
- Eastman Kodak Company, Rochester, N. Y. Photographic toning, hardener, and fixing solution. No. 119,681; Dec. 11; v. 245; p. 547.
- Eastman Kodak Company, Rochester, N. Y. Photographic film. No. 119,886; Dec. 18; v. 245; p. 840.
- Eat and Grow Thin Food Co., New York, N. Y. Canned fruits. No. 114,730; Jan. 2; v. 234; p. 369.
- Eaton, Albert N., Omaha, Nebr. Metal culvert pipes or tubes. No. 115,947; Mar. 27; v. 236; p. 1216.
- Eaton, Crane & Pike Company, Pittsfield, Mass. Writing and printing paper, envelopes, tablets, writing-cards, cardboard. No. 114,954; Jan. 16; v. 234; p. 1040.
- Eaton's Uzon Company, Inc., Roanoke, Va. Polishing compounds in the nature of a wax preparation for woodwork, floors, &c. No. 119,516; Nov. 27; v. 244; p. 1082.
- Eberle & Cie., Dr. G., Stuttgart, Germany. Bates for leather industries. No. 119,283; Nov. 13; v. 244; p. 558.
- Eby, Edwin S., Lewistown, Pa. Non-alcoholic beverage to be sold as a soft drink. No. 114,873; Jan. 9; v. 234; p. 667.
- Eckman Manufacturing Company, Camden, N. J., and Philadelphia, Pa. Tablets for coughs, colds, asthmatic and bronchial troubles. No. 115,598; Feb. 27; v. 235; p. 1350.
- Eckstein, Joseph, New York, N. Y. Ladies', misses', and children's suits, coats, waists, dresses, and skirts. No. 115,170; Jan. 30; v. 234; p. 1578.
- Eclipse Interchangeable Counterbore Company, Detroit, Mich. Certain named cutlery, machinery, and tools, and parts thereof. No. 119,518; Nov. 27; v. 244; p. 1082.
- Eclipse Milling Company, Inc., The, Graham, Va. Cornmeal. No. 114,731; Jan. 2; v. 234; p. 369.
- Economic Products, Inc., New York, N. Y. Metal-polish for use on automobile and harness trimmings, door-knobs, and brass. No. 116,888; June 5; v. 239; p. 313.
- Economy Food Products Co., The, Cambridge, Mass. Doughnuts. No. 118,010; Aug. 14; v. 241; p. 616.
- Edgar Roberts Manufacturing Company, St. Louis, Mo. Cakes of soap made in part by the use of cochineal or coconut oil. No. 116,460; May 1; v. 238; p. 307.
- Edison Electric Illuminating Company of Boston, The, Boston, Mass. Periodical issued monthly. No. 118,961; Oct. 16; v. 243; p. 789.
- Edison, Thomas A., West Orange, N. J. Motion-picture films. Nos. 118,011-12; Aug. 14; v. 241; p. 616.
- Edmonds Coffee Company, Boston and Worcester, Mass., and Detroit, Mich. Coffee, tea, and cocoa. No. 118,395; Sept. 4; v. 242; p. 249.
- Edson Moore & Company, Detroit, Mich. Work and negligée shirts, undershirts, overalls, jumpers, rompers. No. 114,874; Jan. 9; v. 234; p. 667.
- Edson Moore & Company, Detroit, Mich. Work, negligée, and under shirts, overalls, jumpers, rompers. No. 115,441; Feb. 13; v. 235; p. 691.
- Edward Katzinger Company, The, Chicago, Ill. Certain named heating, lighting, and ventilating apparatus, not including electrical apparatus. No. 115,516; Feb. 20; v. 235; p. 1050.
- Edward Katzinger Company, Chicago, Ill. Baking-pans. No. 118,787; Oct. 2; v. 243; p. 237.
- Edward Lyman Bill, Inc., New York, N. Y. Periodical published monthly. No. 118,146; Aug. 21; v. 241; p. 905.
- Edward Wesley Company, The. (See Eha, Clifford F., assignor.)
- Edward Wesley Company, The, Cincinnati, Ohio. Toilet lotion for use on the skin. No. 118,122; Aug. 14; v. 241; p. 619.
- Edwin B. Stimpson Company, Brooklyn, N. Y. Gromets, metal washers, rivets, nails, &c. No. 116,929; June 5; v. 239; p. 314.
- Efficiency Motor-Device Corporation, Omaha, Nebr. Spark-plugs. No. 116,207; Apr. 17; v. 237; p. 913.
- Egypt Silk Mills Corporation, Egypt, Pa., and New York, N. Y. Piece goods in silk, known as broad silks. No. 118,464; Sept. 11; v. 242; p. 513.
- Eha, Clifford F., assignor to The Edward Wesley Company, Cincinnati, Ohio. Remedy for treatment of the feet. No. 114,732; Jan. 2; v. 234; p. 369.
- Ehlers, Albert, Brooklyn, N. Y. Certain named dry groceries. No. 117,428; July 10; v. 240; p. 635.
- Eigenmann, August P., Evansville, Ind. Work-shirts. No. 116,509; May 8; v. 238; p. 645.
- Eiseman, Kaiser & Co., Chicago, Ill. Containers for toilet articles. No. 116,131; Apr. 10; v. 237; p. 617.
- Eiseman, Kaiser & Co., Chicago, Ill. Containers for toilet articles. No. 118,869; Oct. 9; v. 243; p. 519.
- El Moro Co., Schenectady, N. Y. Face rouge and powder. No. 118,397; Sept. 4; v. 242; p. 249.
- Elacs Co., The, Greenville, S. C. Salves and ointments for certain named afflictions. No. 118,506; Sept. 18; v. 242; p. 744.
- Elcaya Co., Inc., The, New York, N. Y. Toilet cream. No. 115,744; Mar. 6; v. 236; p. 277.
- Elder Manufacturing Co., St. Louis, Mo. Men's and boys' knit and cut underwear. No. 115,948; Mar. 27; v. 236; p. 1216.
- Elder Manufacturing Co., St. Louis, Mo. Men's and boys' dress, negligée, and work shirts. No. 116,418; May 1; v. 238; p. 303.
- Elder Manufacturing Co., St. Louis, Mo. Rompers and children's sleeping-garments. No. 116,889; June 5; v. 239; p. 313.
- Elder Manufacturing Co., St. Louis, Mo. Sweaters and sweater-coats. No. 116,890; June 5; v. 239; p. 313.
- Elder Manufacturing Co., St. Louis, Mo. Negligée, work, and under shirts. No. 116,891; June 5; v. 239; p. 313.
- Elder Manufacturing Co., St. Louis, Mo. Certain named men's, boys', and children's underwear. No. 119,682; Dec. 11; v. 245; p. 547.
- Elder Manufacturing Company, St. Louis, Mo. Blouses, waists, rompers, play-suits, and shirts. No. 114,956; Jan. 16; v. 234; p. 1040.
- Elder Manufacturing Company, St. Louis, Mo. Negligée, work, and under shirts. No. 114,875; Jan. 9; v. 234; p. 667.
- Ele-Kem Company, Chicago, Ill. Case-hardening compound used as a substitute for potassium or sodium cyanid. No. 119,683; Dec. 11; v. 245; p. 547.
- Electric Cable Co., The, Bridgeport, Conn. Rubber-covered electrical wires and cables. No. 118,640; Sept. 25; v. 242; p. 987.
- Electric Ignition Company (1913) Limited, Birmingham, England. Certain named electrical appliances. No. 118,641; Sept. 25; v. 242; p. 988.
- Electric Storage Battery Company, The, Philadelphia, Pa. Electric storage batteries or accumulators, their parts and supplies. No. 115,849; Mar. 13; v. 236; p. 591.
- Electro Metal Products Co., The, Cleveland, Ohio. Precious-metal alloy. No. 116,208; Apr. 17; v. 237; p. 913.
- Elgin American Manufacturing Co., Elgin, Ill. Certain named articles made of precious materials. No. 116,616; May 15; v. 238; p. 976.
- Elgin Motor Car Corporation, Wilmington, Del., and Chicago, Ill. Automobiles. No. 115,318; Feb. 6; v. 235; p. 318.
- Elgin National Watch Company, Chicago, Ill. Watches and watch-movements. No. 118,762; Oct. 2; v. 243; p. 236.
- Elgin National Watch Company, Chicago, Ill. Watches and watch-movements. No. 119,061; Oct. 23; v. 243; p. 1060.
- Ell Lilly and Company, The, Indianapolis, Ind. Hemostatics for local application. No. 119,739; Dec. 11; v. 245; p. 548.
- Elite Electric Co., Cleveland, Wis. Batteries, generators, and switchboards. No. 118,642; Sept. 25; v. 242; p. 988.
- Elite Garment Company, Inc., Syracuse, N. Y. Children's dresses. No. 118,870; Oct. 9; v. 243; p. 519.
- Elite Garment Company of Syracuse, N. Y., Inc., Syracuse, N. Y. Children's dresses. No. 115,173; Jan. 30; v. 234; p. 1578.
- Elliot Coffee Co., J. S., Newville, Pa. Coffee and tea. No. 115,172; Jan. 30; v. 234; p. 1578.
- Elliot, William A., Brockton, Mass. Shoe-polish. No. 116,419; May 1; v. 238; p. 306.
- Ellis Grove Milling Company, Ellis Grove, Ill. Wheat-flour. Nos. 117,747-8; July 31; v. 240; p. 1445.
- Elmer Candy Co., Inc., New Orleans, La. Candy. No. 119,285; Nov. 13; v. 244; p. 558.
- Elray Co., The, Chattanooga, Tenn. Electric flash-lights and dry batteries. No. 115,949; Mar. 27; v. 236; p. 1216.

Alphabetical list of registrants of trade-marks—Continued.

- Elsinger, Rudolf, Cincinnati, Ohio, assignor to Mothers Macaroni Company, Minneapolis, Minn. Noodles. No. 116,299; Apr. 24; v. 237; p. 1214.
- Elson, Ross J., New Haven, Conn. Tonic for horses and live stock. No. 116,892; June 5; v. 239; p. 313.
- Elstroth, Frank W. S., Brooklyn, N. Y. Salve used as an emollient in treating certain named affections. No. 115,599; Feb. 27; v. 235; p. 1350.
- Elysée Olive Oil Co., New York, N. Y. Olive-oil. No. 115,745; Mar. 6; v. 236; p. 278.
- Emerson-Brantingham Company, Rockford, Ill. Certain named agricultural implements, engines, pumps; &c. No. 115,174; Jan. 30; v. 234; p. 1578.
- Emerson-Brantingham Company, Rockford, Ill. Wagons, buggies, sleds, auto-trailers, &c. No. 115,600; Feb. 27; v. 235; p. 1350.
- Emerson Electric Manufacturing Company, The, St. Louis, Mo. Title of a monthly publication. No. 118,507; Sept. 18; v. 242; p. 744.
- Emery Food Company, Chicago, Ill. Canned vegetables, fruits, and fish. No. 117,030; June 12; v. 239; p. 651.
- Emil Grossman Manufacturing Corporation, Brooklyn, N. Y. Spark-plugs. No. 116,758; May 22; v. 238; p. 1325.
- Emil Grossman Manufacturing Corporation, Brooklyn, N. Y. Spark-plugs. No. 116,843; May 29; v. 238; p. 1636.
- Empire Silk Co., New York, N. Y. Silk piece goods. Nos. 118,962-3; Oct. 16; v. 243; p. 789.
- Enamel Products Company, The, Cleveland, Ohio. Table-tops. No. 116,830; May 29; v. 238; p. 1635.
- Engelman, E. Y. B., Noxen, Pa. Liquid or paste detergent for the hands, fabrics, machinery, leather-dressing, and a lubricant. No. 116,753; May 22; v. 238; p. 1325.
- Engineers Specialties Co. (Not Inc.), Chicago, Ill. Blow-off valves. No. 119,180; Oct. 30; v. 243; p. 1305.
- Enid Milling Company, Enid, Okla. Wheat-flour. Nos. 116,300-1; Apr. 24; v. 237; p. 1214.
- Enid Milling Company, Enid, Okla. Wheat-flour. Nos. 119,062-3; Oct. 23; v. 243; p. 1060.
- Enoch Morgan's Sons Company, New York, N. Y. Detergent preparation for cleaning, scouring, or polishing. No. 116,151; Apr. 10; v. 237; p. 618.
- Enoch Morgan's Sons Company, New York, N. Y. Cleansing or scouring cake or powder. No. 116,540; May 8; v. 238; p. 646.
- Enoch Morgan's Sons Company, New York, N. Y. Detergent preparation for cleaning, scouring, or polishing. No. 118,986; Oct. 16; v. 243; p. 790.
- Enterprise Electric Novelty Co. Inc., New York, N. Y. Certain named electrical apparatus and supplies. No. 118,643; Sept. 25; v. 242; p. 988.
- Entol Products Co. Inc., New York, N. Y. Antiseptic and healing lotion. No. 115,746; Mar. 6; v. 236; p. 278.
- Epoch Co. (See Sawyer, G. Edwin, assignor.)
- Eraso Mfg. Co., Chicago, Ill. Certain named abrasive, detergent, and polishing materials. No. 119,286; Nov. 13; v. 244; p. 558.
- Érdeky, Kálmán, Pittsburgh, Pa. Remedy for corns, bunions, chilblains, &c. No. 118,013; Aug. 14; v. 241; p. 616.
- Érdeky, Kálmán, Pittsburgh, Pa. Certain named pharmaceutical preparation. No. 118,508; Sept. 18; v. 242; p. 744.
- Erickson, Andrew C., Los Angeles, Cal. Shoe-polish. No. 115,175; Jan. 30; v. 234; p. 1578.
- Eshelman & Co., J. W., New York, N. Y. Pillow-cases, dresser-scarfs, doilies, sheets. No. 118,014; Aug. 14; v. 241; p. 616.
- Esleek Manufacturing Co., Turners Falls, Mass. Bond, correspondence, non-carbonized type-writing and manifold papers and onion-skin paper. No. 119,519; Nov. 27; v. 244; p. 1082.
- Essanay Film Manufacturing Company, Chicago, Ill. Moving-picture films. No. 116,831; May 29; v. 238; p. 1635.
- Essen Remedy Company, Newark, N. J. Medicine for indigestion. No. 115,883; Mar. 20; v. 236; p. 885.
- Esta Water Auxiliator Co. Inc., New York, N. Y. Humidifiers for internal-combustion engines. Nos. 118,644-5; Sept. 25; v. 242; p. 988.
- Estate of H. C. Minor, Houma, La. Stock feed. No. 118,427; Sept. 4; v. 242; p. 250.
- Estate Henry C. Miner, Incorporated, New York, N. Y. Face-powders. No. 118,426; Sept. 4; v. 242; p. 250.
- Esterbrook Steel Pen Mfg. Co., The, Camden, N. J. Writing-pens of all kinds. No. 118,509; Sept. 18; v. 242; p. 744.
- Estes, Robert J., Coalgate, Okla. Liver-tonic for biliousness, constipation, &c. No. 116,302; Apr. 24; v. 237; p. 1214.
- Estes and Son, Van Wert, Ohio. Bananas. No. 117,031; June 12; v. 239; p. 651.
- Etch-O-Lite Company, Inc., The, Pittsburgh, Pa. Etching solutions and compounds. No. 118,015; Aug. 14; v. 241; p. 616.
- Etcheverry, Raul C., Buenos Aires, Argentina. Preparation for curing aphtha and aphthous fever. No. 116,893; June 5; v. 239; p. 313.
- Euclid Stone & Brick Co., The, Cleveland, Ohio. Enamel-coated natural stone. No. 114,957; Jan. 16; v. 234; p. 1040.
- Eugenio C. Noe & Co., Buenos Ayres, Argentina. Wire. No. 115,011; Jan. 16; v. 234; p. 1042.
- Euvencol Company, Minneapolis, Minn. Certain named pharmaceutical preparations. No. 117,123; June 19; v. 239; p. 934.
- Evans Dollar Pen Company, The, Waterloo, Iowa. Fountain-pens. No. 118,168; Aug. 21; v. 241; p. 906.
- Evans, Thomas L., Houston, Tex. Baking-powders. No. 116,048; Apr. 3; v. 237; p. 305.
- Eugene T. Turney Co., Inc., New York, N. Y. Wireless detectors. No. 114,845; Jan. 2; v. 234; p. 372.
- Evansville Brewing Assn., Evansville, Ind. Brewed malt, non-intoxicating beverage. No. 117,653; July 24; v. 240; p. 1161.
- Evansville Mill & Elevator Co., Inc., Evansville, Ind. Self-rising wheat-flour. No. 114,733; Jan. 2; v. 234; p. 369.
- Evansville Mill & Elevator Co., Inc., Evansville, Ind. Self-rising wheat-flour. No. 115,176; Jan. 30; v. 234; p. 1578.
- Evening Herald Publishing Company, Los Angeles, Cal. Daily newspaper. No. 115,177; Jan. 30; v. 234; p. 1578.
- Evenson, William E., Baraboo, Wis. Liquid toilet creams. No. 116,832; May 29; v. 238; p. 1635.
- Everett-Aughenbaugh & Company, Waseca, Minn. Wheat-flour. No. 119,431; Nov. 20; v. 244; p. 813.
- Everett, Heaney & Co., New York, N. Y. Cotton goods in the piece. No. 118,016; Aug. 14; v. 241; p. 616.
- Everett, Heaney & Co., New York, N. Y. Cotton goods in the piece. No. 118,282; Aug. 28; v. 241; p. 1150.
- Everett Mills, Lawrence and Boston, Mass. Cotton shirts in the piece. No. 115,319; Feb. 6; v. 235; p. 318.
- Excelsior Carpet Cleansers, Inc., Providence, R. I. Cleansing compound for the treatment of rugs and carpets, not a soap. No. 119,181; Oct. 30; v. 243; p. 1305.
- Excelsior Manufacturing Co. Ltd., Pittsburgh, Pa. Furniture cleaner and polish. No. 115,320; Feb. 6; v. 235; p. 318.
- Excelsior Shoe Company, The, Portsmouth, Ohio. Certain named shoes. No. 117,751; July 31; v. 240; p. 1445.
- Exchange Trust Company, Boston, Mass. Books containing deposit-slips to be issued to members of a savings-club. No. 115,178; Jan. 30; v. 234; p. 1578.
- Extirpo Specialty Co., The, Barre, Vt. Hair-tonic. No. 115,442; Feb. 13; v. 235; p. 691.
- F. Berg & Co., Orange, N. J. Hats for men. No. 116,938; June 5; v. 239; p. 315.
- F. Blumenthal Company, New York, N. Y. Leather. No. 118,490; Sept. 18; v. 242; p. 743.
- F. Blumenthal Company, New York, N. Y. Leather. No. 119,642; Dec. 11; v. 245; p. 545.
- F. Hoffman & Sons, Inc., Newark, N. J. Non-alcoholic carbonated beverage to be sold as a soft drink. No. 115,853; Mar. 18; v. 236; p. 591.
- F. Romeo and Co. Inc., New York, N. Y. Tomato sauce. No. 114,825; Jan. 2; v. 234; p. 371.
- F. A. Hardy & Co., Chicago, Ill. Manufactured glass—namely, lenses for lanterns. No. 116,762; May 22; v. 238; p. 1325.
- F. A. Hardy & Co., Chicago, Ill. Ophthalmic lenses. No. 117,138; June 19; v. 239; p. 935.
- F. A. Hardy & Company, Chicago, Ill. Certain named measuring and scientific appliances. No. 114,883; Jan. 9; v. 234; p. 668.
- F. A. Hardy & Company, Chicago, Ill. Goggles and eye-protectors for use by X-ray specialists. No. 115,761; Mar. 6; v. 236; p. 278.
- F. A. Hardy & Company, Chicago, Ill. Lens-testing instruments. No. 116,058; Apr. 3; v. 237; p. 306.
- F. A. Neider Company, The, Augusta, Ky. Certain named hardware and plumbing and steam-fitting supplies. No. 118,804; Oct. 2; v. 243; p. 237.
- F. E. Okie Company, Philadelphia, Pa. Printing-inks. No. 116,677; May 15; v. 238; p. 973.
- F. G. Dickerson Co., The, Portland, Me., and Chicago, Ill. Certain named canning machinery and the like. No. 115,167; Jan. 30; v. 234; p. 1578.
- F. G. Ruddiman Company, Muskegon, Mich. Cocoa mats. No. 118,815; Oct. 2; v. 243; p. 237.
- F. H. Appleton & Son, Inc., Boston, Mass. Solid blocks of rubber substitute for erasing marks from paper and other articles. No. 119,026; Oct. 23; v. 243; p. 1059.
- F. H. George & Company, Fort Wayne, Ind. Butter. No. 115,955; Mar. 27; v. 236; p. 1216.
- F. H. Noble & Company, Chicago, Ill. Finger-rings. No. 115,897; Mar. 20; v. 236; p. 885.
- F. L. Smidth & Co., New York, N. Y. Machines for grinding and pulverizing limestones, oyster-shells, and clay for the manufacture of Portland cement. No. 115,680; Feb. 27; v. 235; p. 1352.
- F. L. Smidth & Co., Copenhagen, Denmark. Certain named cutlery, machinery, and tools, and parts thereof. No. 119,920; Dec. 18; v. 245; p. 851.
- F. M. Hoyt Shoe Company, Manchester, N. H. Leather boots and shoes. No. 114,887; Jan. 9; v. 234; p. 668.
- F. R. Blair & Co., Inc., New York, N. Y. Flexible rubber and composition disks for use as a universal-joint member. No. 116,200; Apr. 17; v. 237; p. 913.
- F. R. Blair & Co., Inc., New York, N. Y. Shaft-couplings. No. 119,871; Dec. 18; v. 245; p. 839.

- F. S. Carr Company, Boston, Mass. Waterproof automobile and carriage fabrics. No. 114,942; Jan. 16; v. 234; p. 1039.
- F. W. Wakefield Brass Company, The, Vermilion, Ohio. Electric-lighting fixtures, lamps, and parts thereof. No. 119,931; Dec. 18; v. 245; p. 851.
- Faber, Eberhard, New York, N. Y. Rubber bands. No. 119,517; Nov. 27; v. 244; p. 1082.
- Fabien & Company, R., New York, N. Y. Macaroni, spaghetti, and vermicelli. No. 117,536; July 17; v. 240; p. 936.
- Fabric Fire Hose Company, New York, N. Y., and Sandy Hook, Conn. Conducting-hose composed of rubber and fabric. No. 119,954; Dec. 25; v. 245; p. 1021.
- Faerber, William, Chicago, Ill. Shampooing apparatus. No. 115,321; Feb. 6; v. 235; p. 318.
- Fageol & Tate, Oakland, Cal. Compounds for purifying products of combustion issuing from heaters, stoves, &c. No. 115,075; Jan. 23; v. 234; p. 1308.
- Fairchild Bros. & Foster, New York, N. Y. Pharmaceutical preparation for the relief of indigestion. No. 116,049; Apr. 3; v. 237; p. 305.
- Fairley-Davidson Steel Co. Inc., The, New York, N. Y. Certain named metals and metal castings and forgings, &c. Nos. 116,833-5; May 29; v. 238; p. 1635.
- Fairley-Davidson Steel Co. Inc., The, New York, N. Y. Certain named metals and metal castings and forgings. No. 118,646; Sept. 25; v. 242; p. 988.
- Fairley-Davidson Steel Co. Inc., The, New York, N. Y. Certain named metals and metal castings and forgings. No. 119,520; Nov. 27; v. 244; p. 1082.
- Fairmont Creamery Co., The, Omaha, Nebr. Butter. No. 117,844; Aug. 7; v. 241; p. 294.
- Fairmont Creamery Company, Omaha, Nebr. Poultry and cheese. No. 119,432; Nov. 20; v. 244; p. 813.
- Fairway Manufacturing Co., Sioux City, Iowa. Ventilating-tile. No. 119,287; Nov. 13; v. 244; p. 558.
- Fallon, John, New York, N. Y. Cleaner for enamel surfaces. No. 115,076; Jan. 23; v. 234; p. 1308.
- Falls Motors Corporation, Sheboygan Falls, Wis. Engine stop mechanism. No. 114,958; Jan. 16; v. 234; p. 1040.
- Famous Players Film Company, New York, N. Y. Moving-picture films. No. 118,017; Aug. 14; v. 241; p. 616.
- Fan Tan Dress Co., New York, N. Y. Ladies' and children's skirts. No. 117,303; July 3; v. 240; p. 333.
- Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Chemical compound having bactericidal action and particularly useful for the treatment of gonorrhea. No. 115,747; Mar. 6; v. 236; p. 278.
- Farbwerke vorm. Meister Lucius & Brüning, Höchst-on-the-Main, Germany. Chemical compound for the treatment of tuberculous diseases. No. 115,884; Mar. 20; v. 236; p. 885.
- Fargo, Stephen, Cleveland, Ohio. Preparation for the treatment of certain named diseases. No. 116,510; May 8; v. 238; p. 645.
- Farley, Mary G., North Bergen, N. J. Depilatory. No. 115,950; Mar. 27; v. 236; p. 1216.
- Farmers' Review, The, Chicago, Ill. House organ published intermittently. No. 116,948; June 5; v. 239; p. 315.
- Farquhar-Moon Manufacturing Company, Chicago, Ill. Washing compounds in the form of tablets. No. 116,894; June 5; v. 239; p. 313.
- Farquhar-Moon Manufacturing Company, Chicago, Ill. Bath-powder. No. 119,684; Dec. 11; v. 245; p. 547.
- Farrell & Co., Omaha, Nebr. Peanut-butter. No. 118,964; Oct. 16; v. 243; p. 789.
- Faultless Rubber Co., The, Ashland, Ohio. Household rubber gloves. No. 115,322; Feb. 6; v. 235; p. 318.
- Faultless Rubber Co., The, Ashland, Ohio. Certain named medical and surgical supplies. No. 115,601; Feb. 27; v. 235; p. 1350.
- Faultless Rubber Co., The, Ashland, Ohio. Rubber sponges. No. 118,283; Aug. 28; v. 241; p. 1152.
- Faultless Rubber Co., The, Ashland, Ohio. Household rubber gloves. No. 118,284; Aug. 28; v. 241; p. 1152.
- Faunce and Spinney Inc., Lynn, Mass. Women's, misses' and children's boots, shoes, and slippers of leather and leather and cloth. No. 114,876; Jan. 9; v. 234; p. 667.
- Favorita Co., The, New York, N. Y. Remedy for removing dandruff. No. 118,510; Sept. 18; v. 242; p. 744.
- Faxon & Gallagher Drug Co., Kansas City, Mo. Perfumes, toilet waters, face-creams, face and talcum powders. No. 116,050; Apr. 3; v. 237; p. 305.
- Fazakerley, Ernest J., Chicago, Ill. Preparation for certain named diseases and affections. No. 118,018; Aug. 14; v. 241; p. 616.
- Fe-Te-Zo Company, The, Greenville, Tex. Medical preparation for diseases of the human feet. No. 118,513; Sept. 18; v. 242; p. 744.
- Featherston Products Company, Portland, Oreg. Loganberry beverage. No. 116,210; Apr. 17; v. 237; p. 913.
- Fecher and McGavock, Inc., Chicago, Ill. Coffee. No. 115,951; Mar. 27; v. 236; p. 1216.
- Feculose Company of America, Worcester, Mass. Adhesives, adhesive gums, adhesive sizings, including feculose. No. 115,885; Mar. 20; v. 236; p. 885.
- Federal Condensed Milk Company, Seattle, Wash. Condensed evaporated milk. No. 117,752; July 31; v. 240; p. 1445.
- Federal Export Corporation, New York, N. Y. Certain named cutlery, machinery, and tools, and parts thereof. No. 117,124; June 19; v. 239; p. 934.
- Federal Export Corporation, New York, N. Y. Certain named electrical apparatus and supplies. No. 117,125; June 19; v. 239; p. 934.
- Federal Export Corporation, New York, N. Y. Certain named vehicles. No. 119,288; Nov. 13; v. 244; p. 558.
- Fell Manufacturing Company, The, Cleveland, Ohio. Polishing materials for automobiles, furniture, pianos, &c. No. 115,498; Feb. 20; v. 235; p. 1049.
- Fellows Medical Manufacturing Company, Inc., New York, N. Y. Preparation of hypophosphites. Nos. 118,019-20; Aug. 14; v. 241; p. 616.
- Fellows Medical Manufacturing Company, Inc., New York, N. Y. Laxative tablets. No. 118,021; Aug. 14; v. 241; p. 616.
- Fellows Medical Manufacturing Company Inc., New York, N. Y. Preparation of hypophosphites. No. 118,398; Sept. 4; v. 242; p. 249.
- Felsenfeld & Co., Jack J., New York, N. Y. Pearls, real and imitation, loose and mounted. No. 117,655; July 24; v. 240; p. 1161.
- Felsenthal Bros. & Co., Chicago, Ill. Imitation leather. No. 118,511; Sept. 18; v. 242; p. 744.
- Felton, Sibley & Co., Inc., Philadelphia, Pa. Certain named paints and painters' materials. No. 119,887; Dec. 18; v. 245; p. 840.
- Fenn, Libbie R., Los Angeles, Cal. Candies, chocolates, bonbons, &c. No. 115,323; Feb. 6; v. 235; p. 318.
- Fenn Manufacturing Co., The, Charlotte, Mich. Earth-augers and post-hole diggers. No. 117,304; July 3; v. 240; p. 333.
- Ferguson, Arthur S., Springfield, Mo. Toy moving-picture machines. No. 116,754; May 22; v. 238; p. 1325.
- Ferguson-Spears Coal Company, Clinton, Ind. Coal. No. 118,764; Oct. 2; v. 243; p. 236.
- Ferguson Synstone Company, The, Denver, Colo. Concrete-block-making machinery. No. 118,647; Sept. 25; v. 242; p. 988.
- Fernandez & Sons, Celestino, New York, N. Y. Fountains. No. 117,643; July 24; v. 240; p. 1161.
- Fernandez & Sons, Celestino, New York, N. Y. Writing and printing paper. No. 118,512; Sept. 18; v. 242; p. 744.
- Fesler, Geb. C. V., St. Louis, Mo. Remedy for coughs, colds, and la grippe. No. 115,952; Mar. 27; v. 236; p. 1216.
- Fiberite Heel and Leather Co. Inc., Whitman, Mass. Composition heels, heel-lifts, and soles. No. 114,877; Jan. 9; v. 234; p. 667.
- Field, William A., Kansas City, Mo. Brooms. No. 118,399; Sept. 4; v. 242; p. 250.
- Figved Importing Co., Portland, Me., and Chicago, Ill. Fish croquettes. No. 117,126; June 19; v. 239; p. 934.
- Filbert, John H., Baltimore, Md. Oleomargarin. No. 115,602; Feb. 27; v. 235; p. 1350.
- Filene, Edward A., Boston, Mass. Cigars. No. 115,603; Feb. 27; v. 235; p. 1350.
- Findlay Electric Porcelain Company, The, Findlay, Ohio. Porcelain insulator-knobs. No. 114,735; Jan. 2; v. 234; p. 369.
- Fink, William B., New York, N. Y. Soft drink, temperance beverage. No. 117,127; June 19; v. 239; p. 934.
- Finkelstein & Co., Joseph, New York, N. Y. Raspberry brandy. No. 116,423; May 1; v. 238; p. 306.
- Fireproof Fibre Building Boards, Limited, Bloomsbury, London, England. Fire-resisting building-boards made of fiber. No. 114,960; Jan. 16; v. 234; p. 1040.
- Firestone Tire and Rubber Company, The, Akron, Ohio. Monthly publication distributed for advertising purposes. No. 117,845; Aug. 7; v. 241; p. 294.
- Fischer, Hugo, Brooklyn, N. Y. Furs for garments. No. 118,285; Aug. 28; v. 241; p. 1152.
- Fisher, Bruce & Co., Philadelphia, Pa. Rubber rings for fruit-jars. No. 119,655; Dec. 11; v. 245; p. 547.
- Fisher Flouring Mills Company, Seattle, Wash. Wheat-flour. No. 118,465; Sept. 11; v. 242; p. 513.
- Fisher, George A., Merchantville, N. J. Plastic roof-covering compound. No. 118,400; Sept. 4; v. 242; p. 250.
- Fisk Rubber Company, The, Chicopee Falls, Mass. Rubber tires. No. 116,756; May 22; v. 238; p. 1325.
- Fitch Chemical Corporation, The, Philadelphia, Pa., and Syracuse, N. Y. A deodorant toilet powder. No. 119,686; Dec. 11; v. 245; p. 547.
- Fitzger Brewing Co., Duluth, Minn. Non-alcoholic carbonated beverage sold as a soft drink. Nos. 117,538-9; July 17; v. 240; p. 936.
- Fitrite Arch Support Co., Newton, Mass. Flexible arch-supports. No. 119,289; Nov. 13; v. 244; p. 558.
- Fitts Manufacturing Company, The, Pueblo, Colo. Baking-powder. No. 119,290; Nov. 13; v. 244; p. 558.
- Fitts Manufacturing Company, The, Pueblo, Colo. Baking-powder, ammonia, bluing. No. 119,522; Nov. 27; v. 244; p. 1082.
- Fitzpatrick, H. B., Fort Wayne, Ind. Games. No. 116,617; May 15; v. 238; p. 976.
- Fix, Samuel, New York, N. Y. Embroidered pillow-cases. No. 118,871; Oct. 9; v. 243; p. 520.
- Flaray Signal Co., The, Chicago, Ill. Electric signaling devices for motor-vehicles. No. 119,064; Oct. 23; v. 243; p. 1060.
- Flash Company, The, Greenville, S. C. Hair and scalp remedy. No. 116,132; Apr. 10; v. 237; p. 617.
- Fleming & Co. Ltd., Gore, New Zealand. Breakfast cereals. No. 114,736; Jan. 2; v. 234; p. 369.

Alphabetical list of registrants of trade-marks—Continued.

- Fletcher, Terry Company, The, Bristol, Conn. Glass, tube, oval, and circle cutters. No. 115,324; Feb. 6; v. 235; p. 318.
- Fligel, Benjamin, New York, N. Y. Rain-coats. No. 118,648; Sept. 25; v. 242; p. 988.
- Flinker, Leon A., Detroit, Mich. Razor-strops. No. 115,078; Jan. 23; v. 234; p. 1308.
- Flintkote Company. (See Flintkote Manufacturing Company, assignor.)
- Flintkote Manufacturing Company, Boston, Mass. Prepared roofing and flooring insulating paper, shingles, valley and bridge strips. No. 117,540; July 17; v. 240; p. 936.
- Flintkote Manufacturing Company, assignor to Flintkote Company, Boston, Mass. Roofing and preservative paints. No. 118,022; Aug. 14; v. 241; p. 616.
- Floersheimer & Bro., Samuel, New York, N. Y. Certain named female wearing-apparel. No. 117,846; Aug. 7; v. 241; p. 294.
- Floor-Shine Manufacturing Company, St. Louis, Mo. Varnish. No. 115,325; Feb. 6; v. 235; p. 319.
- Flora, Clarence M., Oklahoma, Okla. Dress, negligée, and work shirts. No. 117,250; June 26; v. 239; p. 1205.
- Florida Citrajuice Co., Winter Park, Fla. Syrups for making soft drinks and bottled non-alcoholic still or carbonated beverages made therefrom. No. 116,836; May 29; v. 238; p. 1635.
- Florida Fruit Preserving Co., Jacksonville, Fla. Fruit jellies, preserves, and marmalades. No. 116,511; May 8; v. 238; p. 645.
- Flotation Oil and Chemical Company, Incorporated, New York, N. Y. Certain named chemicals, medicines, and pharmaceutical preparations. No. 119,687; Dec. 11; v. 245; p. 547.
- Folx, Louis A., Ysleta, Tex. Remedy for indigestion. No. 116,133; Apr. 10; v. 237; p. 617.
- Foley Bros. & Quinlan, Incorporated, St. Paul, Minn. Certain named foods. No. 114,737; Jan. 2; v. 234; p. 869.
- Foley Bros. & Quinlan, Incorporated, St. Paul, Minn. Coffee. No. 115,077; Jan. 23; v. 234; p. 1308.
- Foley Bros. & Quinlan, Incorporated, St. Paul, Minn. Certain named foods. No. 117,847; Aug. 7; v. 241; p. 294.
- Follmer, Clogg & Co., New York, N. Y. Broad silk. No. 118,023; Aug. 14; v. 241; p. 616.
- Folsom Asparagus Gin Co., San Francisco, Cal. Asparagus gin. No. 116,512; May 8; v. 238; p. 645.
- Fonsteln, Boris, Chicago, Ill. Vanishing face-cream. No. 118,765; Oct. 2; v. 243; p. 236.
- Fonsteln, Boris, Chicago, Ill. Certain named chemicals, medicines, and pharmaceutical preparations. No. 119,523; Nov. 27; v. 244; p. 1082.
- Fontaine, S. M., Minneapolis, Minn. Vegetable compound for the treatment of asthma. No. 117,656; July 24; v. 240; p. 1162.
- Foose, Alphonse P., Dayton, Ohio. Remedy for muscular rheumatism. No. 116,513; May 8; v. 238; p. 645.
- Foose, Alphonse P., Dayton, Ohio. Remedy for coughs and colds. No. 117,848; Aug. 7; v. 241; p. 294.
- Foose Chemical Company, The, Dayton, Ohio. Antiseptic, disinfectant, deodorizer, and bleach. No. 119,688; Dec. 11; v. 245; p. 547.
- Foot Friend Company, Ontario, Oreg. Preparation for foot-powder and chilblains. No. 117,306; July 3; v. 240; p. 333.
- Foot Remedy Company, Chicago, Ill. Corn and bunion plaster, callus and chilblain remedy, and foot-powder. No. 119,689; Dec. 11; v. 245; p. 547.
- Foot, Schulze & Co., St. Paul, Minn. Leather boots and shoes. Nos. 114,738-9; Jan. 2; v. 234; p. 869.
- Ford Motor Company, Highland Park, Mich. Certain named electrical apparatus, machines, and supplies, magnets, generators, spark-coils, &c. No. 115,500; Feb. 20; v. 235; p. 1050.
- Ford Motor Company, Highland Park, Mich. Farm-tractors and parts thereof. No. 119,602; Dec. 4; v. 245; p. 275.
- Ford Motor Company, Highland Park, Mich. Electrically-self-propelled automobiles, bodies, running-gears, chassis. No. 119,956; Dec. 25; v. 245; p. 1021.
- Fore River Shipbuilding Corporation, Quincy, Mass. Certain named vehicles, not including engines. No. 116,134; Apr. 10; v. 237; p. 617.
- Forester, Herbert, Trenton, N. J. Certain named measuring and scientific apparatus. No. 119,888; Dec. 18; v. 245; p. 840.
- Formenti, Louis, Chicago, Ill. Macaroni. No. 119,291; Nov. 13; v. 244; p. 558.
- Forristall, Florence, Brookline, Mass. Boxes of paper or cardboard. No. 116,837; May 29; v. 238; p. 1635.
- Forstmann & Huffmann Co., Passaic, N. J. Woolen and worsted piece goods. Nos. 116,838-42; May 29; v. 238; p. 1636.
- Forstmann & Huffmann Co., Passaic, N. J. Woolen and worsted piece goods. Nos. 117,430-3; July 10; v. 240; p. 636.
- Forstmann & Huffmann Co., Passaic, N. J. Woolen and worsted piece goods. No. 118,024; Aug. 14; v. 241; p. 616.
- Forstmann & Huffmann Co., Passaic, N. J. Woolen and worsted piece goods. No. 118,650; Sept. 25; v. 242; p. 988.
- Fort Myers Citrus Growers Association, Fort Myers, Fla. Citrus fruits. No. 118,170; Aug. 21; v. 241; p. 906.
- Fort Smith Coffee Company, Fort Smith, Ark. Roasted coffee. No. 114,740; Jan. 2; v. 234; p. 369.
- Fort Smith Coffee Company, Fort Smith, Ark. Rice. No. 118,401; Sept. 4; v. 242; p. 250.
- Fort Wayne Drug Company, Fort Wayne, Ind. Colored varnish-finish. No. 115,604; Feb. 27; v. 235; p. 1350.
- 44 Cigar Company, Philadelphia, Pa. Cigars, cigarros, cheroots, and cigar-clippings. Nos. 117,128-31; June 19; v. 239; p. 934.
- 44 Cigar Company, Philadelphia, Pa. Cigars, cigarros, cheroots, cigar-clippings. No. 118,171; Aug. 21; v. 241; p. 906.
- Foster & Mutton, Lynchburg, Va. Liquid medicine for indigestion, &c. No. 116,303; Apr. 24; v. 237; p. 1214.
- Fowler Packing Co., Portland, Me., and Kansas City, Kans. Medicinal preparation for inoculating swine as a preventive against cholera. No. 117,657; July 24; v. 240; p. 1162.
- Fox and Fox, Philadelphia, Pa. Pickles, catsup, cakes, candies, ice-cream. No. 118,025; Aug. 14; v. 241; p. 616.
- Fox River Paper Company, Appleton, Wis. Bond, bank-note, document, writing, and printing paper and envelopes. No. 117,849; Aug. 7; v. 241; p. 294.
- Francis, Edward, Lorain, Ohio. Pile remedy. No. 119,292; Nov. 13; v. 244; p. 558.
- Frank E. Davis Company, Gloucester, Mass. Filamented preserved fish. No. 117,743; July 31; v. 240; p. 1445.
- Frank Jones Brewing Co. Ltd., London, England, and Portsmouth, N. H. Maltless beverage to be sold as a soft drink. No. 118,536; Sept. 18; v. 242; p. 744.
- Franklin MacVeagh & Company, Chicago, Ill. Periodical or journal published monthly. No. 116,774; May 22; v. 238; p. 1326.
- Franklin Simon & Co. Inc., New York, N. Y. Certain named clothing. No. 115,124; Jan. 23; v. 234; p. 1309.
- Franklin Simon & Co. Inc., New York, N. Y. Certain named men's clothing. No. 118,921; Oct. 9; v. 243; p. 521.
- Frantz, Buchanan & Co., Inc., Camden, N. J. Cleaner, deodorant, germicide, insecticide. No. 116,304; Apr. 24; v. 237; p. 1214.
- Frazar & Company, New York, N. Y. Manganese salts. No. 116,211; Apr. 17; v. 237; p. 913.
- Frazar & Company, New York, N. Y. Calcined magnesla. No. 117,033; June 12; v. 239; p. 651.
- Frederick Disinfectant Co., Atlanta, Ga. Antiseptic floor-dressing. No. 116,895; June 5; v. 239; p. 313.
- Frederick & Nelson, Seattle, Wash. Trunks. No. 114,961; Jan. 16; v. 234; p. 1040.
- Frederick Stearns & Co., Detroit, Mich. Reconstructive tonic. No. 115,818; Mar. 6; v. 236; p. 280.
- Frederick Stearns & Co., Detroit, Mich. Perfumes. No. 116,927; June 5; v. 239; p. 314.
- Frederick Stearns & Co., Detroit, Mich. Milk-coagulant. No. 117,788; July 31; v. 240; p. 1446.
- Free Sewing Machine Co., Rockford, Ill. Sewing-machines and parts thereof. No. 119,066; Oct. 23; v. 243; p. 1060.
- Freiden Manufacturing Company, San Diego, Cal. Cold solder. No. 119,524; Nov. 27; v. 244; p. 1082.
- Fremont Brewing Company, Fremont, Nebr. Non-intoxicating beverage sold as a soft drink. No. 119,293; Nov. 13; v. 244; p. 558.
- French & Bean Co., St. Johnsbury, Vt. Wheat-flour. No. 117,541; July 17; v. 240; p. 936.
- French and Leslie, Aberdeen, S. D. Preparation for destroying bots and worms. No. 118,172; Aug. 21; v. 241; p. 906.
- Frictionless Metal Co., Chattanooga, Tenn. Chemically-alloyed high-speed bearing metal. No. 116,425; May 1; v. 238; p. 506.
- Fried & Reineman Packing Company, Pittsburgh, Pa. Ham, bacon, lard, bologna, sausage, &c. No. 117,542; July 17; v. 240; p. 936.
- Friedman Company, The, New York, N. Y. Hosiery. No. 117,307; July 3; v. 240; p. 333.
- Friedman Company, The, New York, N. Y. Certain named underwear of knitted and textile material. No. 118,872; Oct. 9; v. 243; p. 520.
- Fries & Fries, Cincinnati, Ohio. Benzaldehyde. No. 115,501; Feb. 20; v. 235; p. 1050.
- Friedstedt, Arthur A., Chicago, Ill. Apparatus for supplying moisture to the cylinders of gas-engines. No. 118,054; Apr. 3; v. 237; p. 306.
- Fritch, Himes & Company, Oskaloosa, Iowa. Cigars. No. 117,132; June 19; v. 239; p. 934.
- Fritts & Wheel Company, Chattanooga, Tenn. Non-alcoholic maltless tonic beverage sold at soda-fountains as a soft drink. No. 118,173; Aug. 21; v. 241; p. 906.
- Fritzsch Phonograph Co., Cincinnati, Ohio. Phonographs. No. 119,435; Nov. 20; v. 244; p. 813.
- Fritzsch Phonograph Co., The, Cincinnati, Ohio. Phonographs. No. 119,690; Dec. 11; v. 245; p. 547.
- Frohlich, Paul, Long Beach, Cal. Lubricating-oils. No. 114,741; Jan. 2; v. 234; p. 369.
- Frost-a-Lite Co., The, Newark, N. J. Compound for frosting surface of glass articles. No. 119,067; Oct. 23; v. 243; p. 1060.

- Frost Brothers Company, Chicago, Ill. Certain named prints and publications, advertising matter, announcements, books, cards, &c. No. 117,435; July 10; v. 240; p. 636.
- Frost Remedy Company, Albany, Mo. Remedy for asthma. No. 116,514; May 8; v. 238; p. 645.
- Fruitone Company, Inc., New York, N. Y. Compound mixture of fruit forming a paste having laxative properties. No. 115,443; Feb. 13; v. 235; p. 691.
- Fryer, Derrick F., Santa Rosa, Cal. Certain named medicines and pharmaceutical preparations. No. 115,502; Feb. 20; v. 235; p. 1050.
- Fuel City Manufacturing Co., Clarksburg, W. Va. Turpentine cups and aprons. No. 117,251; June 26; v. 239; p. 1205.
- Fuller-Morrison Company, Chicago, Ill. Talcum powder. Nos. 118,026-7; Aug. 14; v. 241; p. 616.
- Fulton Rubber Type Co., Elizabeth, N. J. Rubber stamps, rubber-type printing outfits, dating and numbering stamps. No. 119,436; Nov. 20; v. 244; p. 813.
- Fulton Shoe Polish Co. Inc., assignor to W. R. Grace & Company, New York, N. Y. Shoe-polishes. No. 115,503; Feb. 20; v. 235; p. 1050.
- Fulton Shoe Polish Company, Inc., New York, N. Y. Shoe-polish pastes. No. 117,133; June 19; v. 239; p. 934.
- Gala Tea Co. Inc., Brooklyn, N. Y. Writing-paper. No. 115,953; Mar. 27; v. 236; p. 1216.
- Galena-Signal Oil Company, Franklin, Pa. Illuminating and lubricating oils and greases. No. 114,879; Jan. 9; v. 234; p. 668.
- Galt, Sterling, Emmitsburg, Md. Stomach-tonic. No. 119,294; Nov. 13; v. 244; p. 558.
- Galveston Brewing Association, Galveston, Tex. Non-intoxicating cereal beverages. No. 119,437; Nov. 20; v. 244; p. 813.
- Galveston Brewing Association, Galveston, Tex. Non-intoxicating cereal beverages. No. 119,691; Dec. 11; v. 245; p. 547.
- Gans, Louis R., New York, N. Y. Mattresses and upholstering. No. 114,743; Jan. 2; v. 234; p. 369.
- Gardner, Henry A., Washington, D. C. Paints, especially shingle-paint. No. 116,757; May 22; v. 238; p. 1325.
- Gardner, Joseph A., Memphis, Tenn. Tablets for use by dentists in the treatment of teeth. No. 115,444; Feb. 13; v. 235; p. 691.
- Gardner, Lydia, Joplin, Mo. Lip-reducing lotion. No. 116,305; Apr. 24; v. 237; p. 1214.
- Garfield, James L., Philadelphia, Pa. Certain named paper and stationery. No. 117,308; July 3; v. 240; p. 333.
- Garrett and Company, Incorporated, New York, N. Y. Wines. No. 119,692; Dec. 11; v. 245; p. 547.
- Gas Appliance Company, Inc., Philadelphia, Pa. Certain named heating apparatus. No. 116,306; Apr. 24; v. 237; p. 1214.
- Gatkowski, Zenon, Chicago, Ill. Herbs for the treatment of certain named diseases. No. 117,309; July 3; v. 240; p. 334.
- Gebhart, Edgar S., Dayton, Ohio. Medicines used as a tonic, stomachic, diuretic, and laxative in stomach, kidney, and liver ills. No. 119,295; Nov. 13; v. 244; p. 558.
- Geis, Renata, Ross township, Allegheny county, Pa. Salve and cough medicine for certain named diseases. No. 116,619; May 15; v. 238; p. 976.
- Gem Metal Polish Co. (See Korbach, William, assignor.)
- Genant & Flachsland, Syracuse, N. Y. Certain named foods. No. 117,034; June 12; v. 239; p. 651.
- General Aeronautic Company, New York, N. Y. Aircraft. No. 114,744; Jan. 2; v. 234; p. 369.
- General Aluminum & Brass Manufacturing Company, Detroit, Mich. Bearings and bushings. No. 114,880; Jan. 9; v. 234; p. 668.
- General Automatic Scale Company, The, St. Louis, Mo. Scales, weighing-machines, and weight-indicators. No. 119,889; Dec. 18; v. 245; p. 840.
- General Chemical Company, New York, N. Y. Effervescent salt. No. 116,426; May 1; v. 238; p. 306.
- General Cigar Co. (See M. A. Gunst & Co., assignor.)
- General Cigar Co. Inc., New York, N. Y. Cigars. No. 115,286; Aug. 28; v. 241; p. 1152.
- General Cigar Co., Inc., New York, N. Y. Cigars. Nos. 119,183-4; Oct. 30; v. 243; p. 1305.
- General Eclipse Company, The, Danielson, Conn. Writing-ink and writing-ink in tablet form. No. 114,881; Jan. 9; v. 234; p. 668.
- General Eclipse Company, The, Danielson, Conn. Ink-wells. No. 116,212; Apr. 17; v. 237; p. 913.
- General Electric Company, Schenectady, N. Y. Certain named glassware. No. 115,504; Feb. 20; v. 235; p. 1050.
- General Electric Company, Schenectady, N. Y. Electric incandescent lamps. No. 118,028; Aug. 14; v. 241; p. 616.
- General Electric Company, Schenectady, N. Y. Lighting-fixtures comprising metal shades and reflectors. No. 118,174; Aug. 21; v. 241; p. 906.
- General Film Company, New York, N. Y. Motion-picture films. No. 119,890; Dec. 18; v. 245; p. 840.
- General Fireproofing Co., The, Youngstown, Ohio. Composition sheets for fireproofing in structural work. No. 115,954; Mar. 27; v. 236; p. 1216.
- General Fireproofing Company, The, Youngstown, Ohio. Monthly house-organ periodicals. No. 115,505; Feb. 20; v. 235; p. 1050.
- General Fireproofing Company, The, Youngstown, Ohio. Monthly furniture house organ periodicals. No. 118,515; Sept. 18; v. 242; p. 744.
- General Laboratories, Madison, Wis. Disinfectant. No. 119,296; Nov. 13; v. 244; p. 558.
- General Lead Batteries Company, Newark, N. J. Storage-battery plates. No. 117,184; June 19; v. 239; p. 934.
- General Optical Company, Inc., New York, N. Y. Optical lenses. No. 117,310; July 3; v. 240; p. 334.
- General Roofing Manufacturing Company, East St. Louis, Ill. Wood-preserved and creosote shingle-stains. No. 116,515; May 8; v. 238; p. 645.
- General Tire and Rubber Company, The, Akron, Ohio. Rubber tires or tire-casings of rubber with suitable strengthening material and inner tubes for pneumatic tires. No. 114,963; Jan. 16; v. 234; p. 1040.
- General Tire & Rubber Company, The, Akron, Ohio. Rubber tires or tire-casings with suitable strengthening material and inner tubes for pneumatic tires. No. 115,605; Feb. 27; v. 235; p. 1350.
- Geneva Cutlery Company, Geneva, N. Y. Razors, knives, scissors, shears, and parts thereof. No. 118,029; Aug. 14; v. 241; p. 617.
- Geo. B. Carpenter & Co., Chicago, Ill. Manila rope and cordage. No. 118,272; Aug. 28; v. 241; p. 1151.
- Geo. Bieler Sons Co., The, Cincinnati, Ohio. Whisky. No. 114,686; Jan. 2; v. 234; p. 367.
- Geo. Borgfeldt & Co., New York, N. Y. Certain named paper and stationery. No. 115,931; Mar. 27; v. 236; p. 1215.
- Geo. Borgfeldt & Co., New York, N. Y. Ornamental figures for use on various articles. No. 116,033; Apr. 3; v. 237; p. 305.
- Geo. E. Keith Company, Brockton, Mass. Boots and shoes of leather, rubber, felt, or other fabric. No. 114,890; Jan. 9; v. 234; p. 668.
- Geo. E. Keith Company, Brockton, Mass. Rubber heels. No. 116,063; Apr. 3; v. 237; p. 306.
- Geo. L. Claffin Company, Providence, R. I. Hot-water bottles, syringes, ice-caps, invalid-rings, &c. No. 118,156; Aug. 21; v. 241; p. 905.
- Geo. P. Braun Company, Chicago, Ill. Lard compound. No. 117,411; July 10; v. 240; p. 635.
- Geo. P. Braun Company, Chicago, Ill. Lard substitute. No. 117,514; July 17; v. 240; p. 935.
- Geo. P. Plant Milling Co., St. Louis, Mo. Wheat-flour. No. 117,600-2; July 17; v. 240; p. 938.
- Geo. Wiedemann Brewing Company, The, Newport, Ky. Non-alcoholic effervescent beverages sold and used as soft drinks. No. 117,497; July 10; v. 240; p. 638.
- Geoffroy, Albert, Erath, La. Medicine for external use in the treatment of charbon, lump-jaw, weak back. No. 117,850; Aug. 7; v. 241; p. 294.
- George Borgfeldt & Co., New York, N. Y. Night-lights, candles, and tapers. No. 115,154; Jan. 30; v. 234; p. 1577.
- George Borgfeldt & Co., New York, N. Y. Certain named pharmaceutical preparations for toilet purposes. No. 115,482; Feb. 20; v. 235; p. 1049.
- George Borgfeldt & Co., New York, N. Y. Solid alcohol. No. 115,727; Mar. 6; v. 236; p. 277.
- George Borgfeldt & Co., New York, N. Y. Statuettes and ornamental heads and figures adapted to be applied to any article of manufacture. No. 115,932; Mar. 27; v. 236; p. 1215.
- George Borgfeldt & Co., New York, N. Y. Handkerchiefs. No. 116,281; Apr. 24; v. 237; p. 1213.
- George Borgfeldt & Co., New York, N. Y. Certain named pharmaceutical preparations. Nos. 116,816-18; May 29; v. 238; p. 1635.
- George Borgfeldt & Co., New York, N. Y. Glass jars, bowls, plates, vases, dishes, &c. No. 117,097; June 19; v. 239; p. 933.
- George Borgfeldt & Co., New York, N. Y. Headwear for men, women, and children—viz., hats, caps, bonnets. No. 117,098; June 19; v. 239; p. 933.
- George Borgfeldt & Co., New York, N. Y. Hats and caps for men, women, and children. No. 117,242; June 26; v. 239; p. 1205.
- George Borgfeldt & Co., New York, N. Y. Certain named fancy goods, furnishings, and notions. No. 117,287; July 3; v. 240; p. 333.
- George Borgfeldt & Co., New York, N. Y. Certain chemical and pharmaceutical preparations for toilet purposes. No. 117,288; July 3; v. 240; p. 333.
- George Borgfeldt & Co., New York, N. Y. Face-powder. No. 117,817; Aug. 7; v. 241; p. 293.
- George Borgfeldt & Co., New York, N. Y. Certain named games, toys, and sporting goods. No. 117,818; Aug. 7; v. 241; p. 293.
- George Borgfeldt & Co., New York, N. Y. Building-blocks, construction toys, dolls, toy animals, houses, and furniture sets. No. 117,819; Aug. 7; v. 241; p. 293.
- George Borgfeldt & Co., New York, N. Y. Certain named paper and stationery. No. 118,147; Aug. 21; v. 241; p. 905.
- George Borgfeldt & Co., New York, N. Y. Certain named games and toys. No. 118,148; Aug. 21; v. 241; p. 905.

Alphabetical list of registrants of trade-marks—Continued.

- George Borgfeldt & Co., New York, N. Y. Tooth, nail, hair, clothes, and kitchen brushes. No. 118,461; Sept. 11; v. 242; p. 513.
- George Borgfeldt & Co., New York, N. Y. Certain named chemicals and pharmaceutical preparations. No. 118,623; Sept. 25; v. 242; p. 987.
- George Borgfeldt & Co., New York, N. Y. Certain named hollow metal ware of brass, copper, bronze, pewter, aluminum, or other non-precious metals. No. 118,854; Oct. 9; v. 243; p. 519.
- George Borgfeldt & Co., New York, N. Y. Fancy goods, furnishings, and notions. Certain named. No. 119,426; Nov. 20; v. 244; p. 813.
- George Borgfeldt & Co., New York, N. Y. Crockery, earthenware, and porcelain. Certain named. No. 119,427; Nov. 20; v. 244; p. 813.
- George Borgfeldt & Co., New York, N. Y. Certain named toys. No. 119,644; Dec. 11; v. 245; p. 546.
- George Borgfeldt & Co., New York, N. Y. Toilet powder. No. 119,645; Dec. 11; v. 245; p. 546.
- George Borgfeldt & Co., New York, N. Y. Certain named crockery, earthenware, and porcelain. No. 119,646; Dec. 11; v. 245; p. 546.
- George Brothers Company, Manitowoc, Wis. Chewing-gum. No. 119,068; Oct. 23; v. 243; p. 1060.
- Georgia Cotton Mills, Griffin, Ga. Diapers. No. 118,287; Aug. 28; v. 241; p. 1152.
- Gerber & Co., Thoun, Switzerland. Cheese. No. 119,185; Oct. 30; v. 243; p. 1305.
- Gerber, Max, M. D., Denver, Colo. Soft drinks consisting of herbs and other allied compounds. No. 117,658; July 24; v. 240; p. 1162.
- Germicide Company, The, Denver, Colo. Antiphlogistic preparation in the form of a plastic dressing. No. 116,516; May 8; v. 238; p. 645.
- Gessner Co., G. F., Cleveland, Ohio. Certain named foods and ingredients of foods. No. 118,516; Sept. 18; v. 242; p. 744.
- Gibson Company, The, Indianapolis, Ind. Wheel-rims, tire-holders, seat-covers, bumpers, and fenders. No. 116,620; May 15; v. 238; p. 976.
- Gilham, Dilman C., Schuylkill Haven, Pa. A peanut-butter and honey food compound. No. 116,621; May 15; v. 238; p. 976.
- Gilman, Stephen F., deceased. Neligh, Nebr.: J. W. Rollinger, executor, assignor to S. F. Gilman Mill Company. Wheat-flour. No. 118,966; Oct. 16; v. 243; p. 789.
- Gilmer, Elizabeth M., New York, N. Y. Newspaper and magazine articles, a magazine-section published periodically. No. 115,850; Mar. 13; v. 236; p. 591.
- Gilson, Anna K., Quechee, Vt. Hand-rakes. No. 114,964; Jan. 16; v. 234; p. 1040.
- Gipps Brewing Co., Peoria, Ill. Beer. No. 115,956; Mar. 27; v. 236; p. 1216.
- Gitterman & Co., Henry, New York, N. Y. Adhesively-united laminated fabrics for use as a shoe-cloth. No. 115,749; Mar. 6; v. 236; p. 278.
- Gitterman & Co., Henry, New York, N. Y. Shoe-cloth. No. 118,288; Aug. 28; v. 241; p. 1152.
- Gitterman & Co., Henry, New York, N. Y. Shoe-cloth. No. 118,873; Oct. 9; v. 243; p. 520.
- Giurlani & Brother, San Francisco, Cal. Cheese. No. 119,438; Nov. 20; v. 244; p. 813.
- Glass, Elbert S., Cleveland, Ohio. Preparations for the treatment of certain named diseases. No. 116,896; June 5; v. 239; p. 313.
- Glazebrook, Francis H., Morristown, N. J. Remedy for intestinal stasis and constipation. No. 114,965; Jan. 16; v. 234; p. 1040.
- Glazier Mill & Elevator Co., The, Glazier, Tex. Wheat-flour. No. 114,745; Jan. 2; v. 234; p. 369.
- Gledhill, Charles F., New York, N. Y. Certain named chemicals and pigments for general use. No. 114,966; Jan. 16; v. 234; p. 1040.
- Glencrest Food Co., Chicago, Ill. Marmalades and jams. No. 115,750; Mar. 6; v. 236; p. 278.
- Glencrest Food Co., Chicago, Ill. Spaghetti, apple-butter, mince-meat, marmalades. No. 116,517; May 8; v. 238; p. 645.
- Glessner, Otto A., Chicago, Ill. Germicide for the treatment of diseases of the mucous membrane and skin. No. 115,886; Mar. 20; v. 236; p. 885.
- Globe Canning Co., Eastport, Me. Canned sardines. Nos. 115,751-3; Mar. 6; v. 236; p. 278.
- Globe Canning Co., Eastport, Me. Canned sardines. Nos. 115,957-8; Mar. 27; v. 236; p. 1216.
- Globe Canning Co., Eastport, Me. Canned sardines. No. 117,543; July 17; v. 240; p. 936.
- Globe Soap Company, The, Cincinnati, Ohio. Soap, soap and washing powders. No. 117,311; July 3; v. 240; p. 334.
- Globe Steel Company, The, Mansfield, Ohio. Metallic particles in grain, &c., forms for rubbing, polishing, and grinding purposes. No. 116,897; June 5; v. 239; p. 313.
- Globe Tea Co. Inc., The, New York, N. Y. Teas. No. 118,175; Aug. 21; v. 241; p. 906.
- Glosemeyer Flour Company, St. Louis, Mo. Wheat-flour. No. 114,746; Jan. 2; v. 234; p. 369.
- Gloucester Net & Twine Corporation. (See Castine Lime & Twine Company, assignor.)
- Glover, Irvin N., Bailey, N. C. Medicated salt cake for stock. No. 117,852; Aug. 7; v. 241; p. 294.
- Glowlite Company, The, Columbus, Ohio. Automobile-lenses. No. 119,186; Oct. 30; v. 243; p. 1305.
- Gluckauf Company Inc., The, New York, N. Y. Suspenders. Nos. 115,445-6; Feb. 13; v. 235; p. 691.
- Gluckauf Company Inc., The, New York, N. Y. Suspenders. No. 115,754; Mar. 6; v. 236; p. 278.
- Gofeld Company, Philadelphia, Pa. A preparation for destroying vermin. No. 119,691; Dec. 11; v. 245; p. 547.
- Goff, Robert B., Seattle, Wash. Polish for retaining and enhancing varnished or enameled surfaces. No. 119,071; Oct. 23; v. 243; p. 1060.
- Gold Seal Battery & Electric Co. Inc., New York, N. Y. Dry battery. No. 115,326; Feb. 6; v. 235; p. 319.
- Goldberg, Samuel, Detroit, Mich. Poultry, scratch, little-chick, and pigeon feeds. No. 116,308; Apr. 24; v. 237; p. 1214.
- Goldberg, Samuel, Los Angeles, Cal. An edible candy. No. 118,967; Oct. 16; v. 243; p. 790.
- Goldberg, Shepard J., New York, N. Y. Cigarette-cases. No. 114,747; Jan. 2; v. 234; p. 369.
- Golden, Samuel, New York, N. Y. Boats having a subhull. No. 119,525; Nov. 27; v. 244; p. 1082.
- Goldenberg's, Washington, D. C. Coats, vests, trousers, hats, caps, shirts, drawers, union-suits, collars, cuffs. No. 117,436; July 10; v. 240; p. 636.
- Goldenberg's, Washington, D. C. Certain named crockery, earthenware, and porcelain. No. 119,604; Dec. 4; v. 245; p. 275.
- Goldenberg's, Washington, D. C. Certain named furniture and upholstery. No. 119,605; Dec. 4; v. 245; p. 275.
- Goldman Bros., St. Louis, Mo. Tables, chairs, beds, wardrobes, sideboards, desks, couches. Nos. 116,622-3; May 15; v. 238; p. 976.
- Goldman Costume Co., New York, N. Y. Adhesive plasters. No. 117,135; June 19; v. 239; p. 934.
- Goldman Costume Company, New York, N. Y. Dresses. No. 115,755; Mar. 6; v. 236; p. 278.
- Goldman Costume Company, New York, N. Y. Certain named wines. No. 117,312; July 3; v. 240; p. 334.
- Goldman Costume Company, New York, N. Y. Beer, ale, stout, extracts, and liquors brewed from malt. No. 117,313; July 3; v. 240; p. 334.
- Goldman Costume Company, New York, N. Y. Certain named non-alcoholic beverages. No. 117,314; July 3; v. 240; p. 334.
- Goldman Costume Company, New York, N. Y. Certain named tobacco products. No. 118,030; Aug. 14; v. 241; p. 617.
- Goldman Costume Company, New York, N. Y. Canes, parasols, and umbrellas. No. 118,031; Aug. 14; v. 241; p. 617.
- Goldman Costume Company, New York, N. Y. Certain named glassware. No. 118,032; Aug. 14; v. 241; p. 617.
- Goldman Costume Company, New York, N. Y. Certain named paper and stationery. No. 118,176; Aug. 21; v. 241; p. 906.
- Goldman Costume Company, New York, N. Y. Certain named inks and inking materials. No. 118,289; Aug. 28; v. 241; p. 1152.
- Goldman Costume Company, New York, N. Y. Certain named musical instruments and supplies. No. 118,290; Aug. 28; v. 241; p. 1152.
- Goldman Costume Company, New York, N. Y. Certain named brushes, brooms, and dusters. No. 118,402; Sept. 4; v. 242; p. 250.
- Goldman Costume Company, New York, N. Y. Certain named knitted, netted, and textile fabrics. No. 118,403; Sept. 4; v. 242; p. 250.
- Goldman Costume Company, New York, N. Y. Certain named electrical apparatus, machines, and supplies. No. 118,404; Sept. 4; v. 242; p. 250.
- Goldman Costume Company, New York, N. Y. Certain named paints and painters' materials. No. 118,405; Sept. 4; v. 242; p. 250.
- Goldman Costume Company, New York, N. Y. Certain named fancy goods, furnishings, and notions. No. 118,406; Sept. 4; v. 242; p. 250.
- Goldman Costume Company, New York, N. Y. Crockery, earthenware, porcelain and china dishes, and kitchen-receptacles. No. 118,466; Sept. 11; v. 242; p. 513.
- Goldman Costume Company, New York, N. Y. Certain named jewelry and precious-metal ware. No. 118,517; Sept. 18; v. 242; p. 744.
- Goldman Costume Company, New York, N. Y. Certain named games, toys, and sporting goods. No. 118,518; Sept. 18; v. 242; p. 744.
- Goldman Costume Company, New York, N. Y. Certain named smokers' articles. No. 118,519; Sept. 18; v. 242; p. 744.
- Goldman Costume Company, New York, N. Y. Certain named clothing for men and women. No. 118,552; Sept. 25; v. 242; p. 988.
- Goldman Costume Company, New York, N. Y. Certain named measuring and scientific appliances. No. 118,553; Sept. 25; v. 242; p. 988.
- Goldman Costume Company, New York, N. Y. Candles, type-writer and machine oil, lubricants, and paraffin. No. 118,554; Sept. 25; v. 242; p. 988.
- Goldman Costume Company, New York, N. Y. Certain named baggage, horse equipments, portfolios, and pocket-books. No. 118,768; Oct. 2; v. 243; p. 236.

- Goldman Costume Company, New York, N. Y. Certain named cordage. No. 118,769; Oct. 2; v. 243; p. 236.
- Goldman Costume Company, New York, N. Y. Certain named laundry appliances and machines. No. 118,874; Oct. 9; v. 243; p. 520.
- Goldman Costume Company, New York, N. Y. Certain named foods. No. 118,875; Oct. 9; v. 243; p. 520.
- Goldman Costume Company, New York, N. Y. Certain named threads and yarns. No. 119,298; Nov. 13; v. 244; p. 558.
- Goldman Costume Company, New York, N. Y. Certain named furniture and upholstery. No. 119,695; Dec. 11; v. 245; p. 547.
- Goldman Costume Company, New York, N. Y. Certain named receptacles. No. 119,696; Dec. 11; v. 245; p. 547.
- Goldman Costume Company, New York, N. Y. Certain named cutlery, machinery, and tools, and parts thereof. No. 119,891; Dec. 18; v. 245; p. 840.
- Goldman, Eugene, Chicago, Ill., assignor to Master Trucks, Inc., Portland, Me. Motor-trucks and automobiles. No. 118,767; Oct. 2; v. 243; p. 236.
- Goldsmith, Charles H., Philadelphia, Pa. Crash and panama cloths, imitation panama fabric. No. 117,252; June 26; v. 239; p. 1205.
- Goldsmith, Stern & Co., New York, N. Y. Finger-rings. No. 116,950; June 5; v. 239; p. 315.
- Goldsmith, Stern & Co., New York, N. Y. Pearl necklaces and imitation pearls. No. 117,853; Aug. 7; v. 241; p. 294.
- Goldsmith, Stern & Co., New York, N. Y. Watches and watch-movements. No. 117,854; Aug. 7; v. 241; p. 294.
- Goldsmith, Stern & Co., New York, N. Y. Watches. No. 119,070; Oct. 23; v. 243; p. 1060.
- Goldstein & Son, L., New York, N. Y. Envelop-chemise. No. 117,315; July 3; v. 240; p. 334.
- Gomez, Elizabeth G., Buffalo, N. Y. Children's and misses' outer garments, including coats, suits, dresses, and hats. No. 117,754; July 31; v. 240; p. 1445.
- Gomez, Manuel, Habana, Cuba. Cognac. No. 119,526; Nov. 27; v. 244; p. 1082.
- Goodall Worsted Co., Sanford, Me., and New York, N. Y. Men's, women's, and children's outer garments. No. 114,968; Jan. 16; v. 234; p. 1040.
- Goodell & Company, New York, N. Y. Handkerchiefs. No. 118,177; Aug. 21; v. 241; p. 906.
- Goodell & Company, New York, N. Y. Certain named clothing. No. 119,697; Dec. 11; v. 245; p. 547.
- Goodman & Son, N., New York, N. Y. Olive-oil. No. 119,698; Dec. 11; v. 245; p. 547.
- Goodrich Drug Company, Omaha, Nebr. Toilet water, perfumes, nail-polish. No. 116,518; May 8; v. 238; p. 645.
- Goodwill Electric Company, The, Chicago, Ill. Electric heating-pads. No. 116,624; May 15; v. 238; p. 976.
- Goodyear Rubber Company, St. Paul, Minn. Rubber bands. No. 117,659; July 24; v. 240; p. 1162.
- Goodyear Rubber Company, Middletown, Conn. Rubber boots and shoes. No. 115,082; Jan. 23; v. 234; p. 1308.
- Goodyear Rubber Company, Middletown, Conn. Rubber boots and shoes. No. 119,299; Nov. 13; v. 244; p. 558.
- Goodyear Rubber Company, Middletown, Conn. Rubber boots and shoes. No. 119,300; Nov. 13; v. 244; p. 558.
- Goodyear Tire & Rubber Company, The, Akron, Ohio. Soles and heels for boots and shoes formed of an artificial composition. No. 116,519; May 8; v. 238; p. 645.
- Goodyear Tire and Rubber Company, The, Akron, Ohio. Edge-stain for shoe soles and heels. No. 118,655; Sept. 25; v. 242; p. 988.
- Goodyear's Metallic Rubber Shoe Co., The, Naugatuck, Conn. Shoe-leather substitute. No. 115,507; Feb. 20; v. 235; p. 1050.
- Goodyear's Metallic Rubber Shoe Co., The, Naugatuck, Conn. Boots and shoes made of certain materials and compositions. No. 119,892; Dec. 18; v. 245; p. 840.
- Gordon, Lucy D., New York, N. Y. Certain named ladies' and misses' clothing. No. 117,136; June 19; v. 239; p. 935.
- Gordon, Lucy D., New York, N. Y. Certain pharmaceutical preparation for toilet purposes. No. 117,316; July 3; v. 240; p. 334.
- Gordon, Sewall & Co., Inc., Houston, Tex. Grape-juice. No. 119,439; Nov. 20; v. 244; p. 813.
- Gordon-Thorne Co., The, Utica, N. Y. Toilet soap. No. 117,544; July 17; v. 240; p. 936.
- Gordon Tire & Rubber Co., The, Canton, Ohio. Rubber tires. No. 116,809; Apr. 24; v. 237; p. 1214.
- Gordon Tire & Rubber Company, The, Canton, Ohio. Rubber tires. No. 119,699; Dec. 11; v. 245; p. 547.
- Gordon's Dry Gin Co., The, Ltd., New York, N. Y. Scotch whisky. No. 115,606; Feb. 27; v. 235; p. 1350.
- Gordonville Roller Mills, Gordonville, Mo. Self-rising wheat-flour. Nos. 117,545-6; July 17; v. 240; p. 936.
- Goss, a Firm, W. H., Stoke-upon-Trent, England. Certain named articles made of porcelain, china, or earthenware. No. 118,407; Sept. 4; v. 242; p. 250.
- Goudard & Mennesson, M., Neuilly-sur-Seine, France. Motor-cycles and frames, forks, axles, wheels, and change-speed gear for same. No. 117,437; July 10; v. 240; p. 636.
- Gould Storage Battery Co., Depew and New York, N. Y. Electric batteries. No. 117,547; July 17; v. 240; p. 936.
- Gould, William E., Philadelphia, Pa. Coal and hardwood charcoal. No. 114,748; Jan. 2; v. 234; p. 369.
- Gowan-Lenning-Brown Co., Duluth, Minn. Coffee, tea, flavoring extracts for foods, spices, and rolled oats. No. 116,310; Apr. 24; v. 237; p. 1214.
- Grady Mfg. Co., The, Long Island City, N. Y. Metal-polishes. No. 118,291; Aug. 28; v. 241; p. 1152.
- Grady Mfg. Co., The, Long Island City, N. Y. Polish for automobile-bodies, furniture, hardwood floors, &c. No. 119,893; Dec. 18; v. 245; p. 840.
- Graham Brothers, Evansville, Ind. Devices for converting a pleasure-car chassis into a motor-truck. No. 119,187; Oct. 30; v. 243; p. 1305.
- Graham & Co., Alfred, London, England. Certain named electrical apparatus, machines, and supplies. No. 119,072; Oct. 23; v. 243; p. 1060.
- Grain Belt Mills Company, South St. Joseph, Mo. Mixed feeds for animals, manufactured from various grains, &c. No. 118,520; Sept. 18; v. 242; p. 744.
- Grain Chemical Co., Inc., The, New York, N. Y. Organic phosphorus compounds. No. 114,969; Jan. 16; v. 234; p. 1040.
- Grain Chemical Company, Inc., The, New York, N. Y. Organic phosphorus compounds. No. 116,520; May 8; v. 238; p. 645.
- Grand Detour Plow Company, Dixon, Ill. Plows, cultivators, disk harrows, and listers. No. 117,548; July 17; v. 240; p. 936.
- Grant, Alexander W., Montreal, Canada. Mops, window-cleaners, brushes for household cleaning and dusting, swab and mop squeezers. No. 117,549; July 17; v. 240; p. 936.
- Grant Brothers Co., Marion, Ind. Dressed poultry. No. 116,311; Apr. 24; v. 237; p. 1214.
- Graphic Duplicator Company, New York, N. Y. Duplicators. No. 117,253; June 26; v. 239; p. 1205.
- Graphite Lubricating Company, The, Boundbrook, N. J. Self-lubricating trolley-wheel bushings and metal and graphite bearings and bushings. No. 116,521; May 8; v. 238; p. 645.
- Grasselli Chemical Company, The, Cleveland, Ohio. Metal-pickling compounds and ingredients thereof. No. 115,180; Jan. 30; v. 234; p. 1578.
- Grasso, Giuseppe, New York, N. Y. Sparkling wines. No. 115,506; Feb. 20; v. 235; p. 1050.
- Graton and Knight Manufacturing Company, The, Worcester, Mass. Leather. No. 114,749; Jan. 2; v. 234; p. 369.
- Gray Co., Jane, New York, N. Y. Dolls. No. 116,768; May 22; v. 238; p. 1326.
- Grayson, Oxanna, Montgomery, Ala. Home-made candies. No. 119,440; Nov. 20; v. 244; p. 813.
- Graziano, Nichola, Endicott, N. Y. Ointment. No. 119,700; Dec. 11; v. 245; p. 547.
- Greaney, Thos. E., Boston, Mass. Neckties and mufflers. No. 117,317; July 3; v. 240; p. 334.
- Great Radium Spring Water Company, Inc., Brooklyn, N. Y. Lemon-soda, ginger-ale, orangeade, birch-beer, &c. No. 118,521; Sept. 18; v. 242; p. 744.
- Great Radium Spring Water Company, Inc., Brooklyn, N. Y. Lemon and club sodas, ginger-ale, orangeade, &c. No. 119,527; Nov. 27; v. 244; p. 1082.
- Great Southern Lumber Company, Bogalusa, La. Shingles, laths, sawed and planed lumber and timbers. No. 119,188; Oct. 30; v. 243; p. 1306.
- Grecian Imp. & Trading Co., Inc., New York, N. Y. Bottled Grecian white gin. Nos. 116,625-6; May 15; v. 238; p. 976.
- Greeley Square Hotel Co. (Hotel McAlpin), New York, N. Y. Chocolates. Nos. 119,441-2; Nov. 20; v. 244; p. 813.
- Green, Charles, New York, N. Y. Hair-tonic. No. 115,447; Feb. 13; v. 235; p. 691.
- Green, J. B., Houston, Tex. A soft drink. No. 119,528; Nov. 27; v. 244; p. 1082.
- Greenbaum, Jacob L., Toledo, Ohio. Catarrh treatment and remedy for treating certain named diseases. No. 117,035; June 12; v. 239; p. 651.
- Greenbaum, Joseph L., New York, N. Y. Gum, tooth-wash. No. 115,852; Mar. 13; v. 236; p. 591.
- Greene & Co., A. A., Providence, R. I. Certain named articles made of precious or plated metal. No. 118,968; Oct. 16; v. 243; p. 790.
- Greenfield Tap and Die Corporation, Greenfield, Mass. Gages and micrometers. No. 114,882; Jan. 9; v. 234; p. 668.
- Greenhut Company, Inc., New York, N. Y. Coffee. No. 116,194; Apr. 10; v. 237; p. 619.
- Greenpoint Metallic Bed Company, Brooklyn, N. Y. Beds and cribs. Nos. 117,551-2; July 17; v. 240; p. 936.
- Gregory Rubber Co., The, Akron, Ohio. Play-balls. No. 118,179; Aug. 21; v. 241; p. 906.
- Gresh & Sons, W. K., Norristown, Pa. Cigars. No. 115,756; Mar. 6; v. 236; p. 278.
- Gretschel, Joseph, Long Island City, N. Y. Herb compounds (bitters) remedial in cases of stomach and bowel disorders. No. 117,600; July 24; v. 240; p. 1162.
- Griesedieck Beverage Company, St. Louis, Mo. Non-intoxicating beverage of a malt nature of the kind known as soft drinks. No. 118,770; Oct. 2; v. 243; p. 236.
- Grieshamer, John, Jacksonville, Fla. Liquid polish for auto and carriage bodies, furniture, &c. No. 116,428; May 1; v. 238; p. 306.

Alphabetical list of registrants of trade-marks—Continued.

- Griffith Chemical Company, Freeport, Ill. Pharmaceutical preparation. No. 115,757; Mar. 6; v. 236; p. 278.
- Griffith-Durney Company, San Francisco, Cal. Canned fruits. No. 115,327; Feb. 6; v. 235; p. 319.
- Griggs, Cooper & Company, St. Paul, Minn. Table-syrup. No. 117,755; July 31; v. 240; p. 1445.
- Grinnell Washing Machine Company, Grinnell, Iowa. Laundry-washing machine. No. 115,328; Feb. 6; v. 235; p. 319.
- Grinnell Washing Machine Company, Grinnell, Iowa. Laundry-washing machine. No. 115,508; Feb. 20; v. 235; p. 1050.
- Grip Nut Company, Chicago, Ill., and South Whitley, Ind. Nuts, bolts, and metal washers. No. 116,429; May 1; v. 238; p. 306.
- Griser, Louis W., St. Louis, Mo. Medicine mixture for certain named diseases. No. 118,033; Aug. 14; v. 241; p. 617.
- Grocceria Stores Company, Seattle, Wash. Certain named foods. No. 117,855; Aug. 7; v. 241; p. 294.
- Grof, Raymond M., Lancaster, Pa. Cereal breakfast food. No. 116,627; May 15; v. 238; p. 976.
- Grosset & Dunlap, New York, N. Y. Series of books. No. 119,301; Nov. 13; v. 244; p. 558.
- Grosvenor Nicholas & Co. Inc., New York, N. Y. Cigarettes. No. 118,563; Sept. 18; v. 242; p. 745.
- Growers Service Company, North Yakima, Wash. Fresh boxed apples. No. 115,083; Jan. 23; v. 234; p. 1308.
- Grundy & Marten, San Francisco, Cal. Decorative design-forms of felt or fabric for appliqué work. No. 116,056; Apr. 3; v. 237; p. 306.
- Gryphon Rubber and Tire Corporation, New York, N. Y. Rubber tires. No. 116,213; Apr. 17; v. 237; p. 913.
- Guardian Safety Paper Co., Boston, Mass. Writing-paper. No. 119,957; Dec. 25; v. 245; p. 1021.
- Guedalia, Jacob I., New York, N. Y. Ladies', misses', and children's hats. No. 119,701; Dec. 11; v. 245; p. 547.
- Gulfpot Grocery Co., Gulfport, Miss. Cotton-seed meal. No. 115,329; Feb. 6; v. 235; p. 319.
- Gulfpot Grocery Company, Gulfport, Miss. Wheat-flour. No. 116,195; Apr. 10; v. 237; p. 619.
- Gulfpot Grocery Company, Gulfport, Miss. Wheat-flour. No. 116,628; May 15; v. 238; p. 976.
- Gulfpot Grocery Company, Gulfport, Miss. Stock food. No. 118,969; Oct. 16; v. 243; p. 790.
- Gund, George, Cleveland, Ohio. Smoking-tobacco. No. 116,760; May 22; v. 238; p. 1325.
- Gunning, Frederick C., New York, N. Y., assignor to Wild's Film & Film Folk, Inc. Magazines issued weekly. No. 116,951; June 5; v. 239; p. 315.
- Gunns Limited, West Toronto, Ontario, Canada. Certain named foods. No. 115,607; Feb. 27; v. 235; p. 1350.
- Gurley Candy Company, Minneapolis, Minn. Chocolate candies. No. 114,751; Jan. 2; v. 234; p. 369.
- Gurney Ball Bearing Company, Jamestown, N. Y. Ball-bearings and parts thereof. Nos. 119,529-80; Nov. 27; v. 244; p. 1082.
- Gustafson, Julius E., Jacksonville, Fla. Disinfectant, odorant, and germicide. No. 119,302; Nov. 13; v. 244; p. 558.
- Gustin Co., M., New York, N. Y. Certain named footwear made of leather, canvas, cloth, or like material. No. 119,702; Dec. 11; v. 245; p. 547.
- Gutta Percha & Rubber Manufacturing Company, The, New York, N. Y. Belting and hose of rubber and fabric. No. 119,303; Nov. 13; v. 244; p. 559.
- Gutta Percha & Rubber Mfg. Company, The, New York, N. Y. Belting of rubber and fabric. No. 119,304; Nov. 13; v. 244; p. 559.
- Gutta Percha & Rubber Manufacturing Company, New York, N. Y. Belting and hose of rubber and fabric. No. 119,443; Nov. 20; v. 244; p. 813.
- Gutta Percha & Rubber Manufacturing Company, The, New York, N. Y. Belting of rubber and fabric. Nos. 119,703-4; Dec. 11; v. 245; p. 547.
- Gutta Percha & Rubber Manufacturing Company, The, New York, N. Y. Belting and hose of rubber and fabric. No. 119,894; Dec. 18; v. 245; p. 840.
- Gutta Percha & Rubber Manufacturing Company, The, New York, N. Y. Belting of rubber and fabric. No. 119,895; Dec. 18; v. 245; p. 840.
- H. Boker & Co. Inc., New York, N. Y. Electric lamps. No. 116,201; Apr. 17; v. 237; p. 913.
- H. Boker & Co. Inc., New York, N. Y. Electric lamps. No. 118,622; Sept. 25; v. 242; p. 987.
- H. Korn Baking Co., The, Clinton, Iowa. Breal. No. 117,567; July 17; v. 240; p. 937.
- H. Kuhn & Sons (Inc.), assignor to Ferdinand Kuhn & Co. Inc., New York, N. Y. Men's, youths', boys', and children's outer suits and overcoats. No. 115,451; Feb. 13; v. 235; p. 691.
- H. Lieber Company, The, Indianapolis, Ind. Picture-frame moldings, picture-frames, and parts of frames. No. 114,994; Jan. 16; v. 234; p. 1041.
- H. A. Baker Company, Sioux City, Iowa. Overalls. No. 118,944; Oct. 16; v. 243; p. 789.
- H. A. Cassebeer, Inc., New York, N. Y. Hair-tonics. No. 114,943; Jan. 16; v. 234; p. 1040.
- H. R. Clafin Corporation, The, New York, N. Y. Certain named trimmings. No. 117,296; July 3; v. 240; p. 333.
- H. C. Cole Milling Co., Chester, Ill. Self-rising wheat-flour. No. 119,661; Dec. 11; v. 245; p. 546.
- H. C. Hemingway & Co., Syracuse, N. Y. Canned fruits and vegetables. No. 115,612; Feb. 27; v. 235; p. 1350.
- H. C. White Co., North Bennington, Vt. Children's vehicles. No. 115,422; Feb. 6; v. 235; p. 321.
- H. & D. Company, The, Goodland, Ind. Shock-absorbers. No. 115,330; Feb. 6; v. 235; p. 319.
- H. & D. Company, The, Goodland, Ind. Shock-absorbers. No. 115,509; Feb. 20; v. 235; p. 1050.
- H. D. Lee Mercantile Co., The, Salina, Kans., and Kansas City, Mo. Certain named canned foods. No. 115,135; Jan. 23; v. 234; p. 1309.
- H. D. Lee Mercantile Co., The, Salina, Kans. Canned fruits and vegetables. No. 115,354; Feb. 6; v. 235; p. 319.
- H. D. Lee Mercantile Co., The, Salina, Kans., and Kansas City, Mo. Canned salmon. No. 119,968; Dec. 25; v. 245; p. 1022.
- H. E. Allen Mfg. Co. Inc., The, Carthage, N. Y. Insecticides. No. 117,280; July 3; v. 240; p. 333.
- H. G. Chemical Products Company, Cleveland, Ohio. Antifreezing compound. No. 117,318; July 3; v. 240; p. 334.
- H. H. Hopkins Company, Chicago, Ill. Roofing material in the form of waterproofed paper or felt sheets. No. 114,886; Jan. 9; v. 234; p. 663.
- H. H. Hopkins Company, Chicago, Ill. Lining-paper. No. 115,087; Jan. 23; v. 234; p. 1308.
- H. H. Well & Son, Inc., Waverly and New York, N. Y. Ribbons. No. 115,045; Jan. 16; v. 234; p. 1043.
- H. J. McGrath Co., Baltimore, Md. Dried vegetables. No. 115,201; Jan. 30; v. 234; p. 1579.
- H. L. Heath Fiber Company, San Francisco, Cal. Cordage fiber. No. 117,440; July 10; v. 240; p. 636.
- H. M. Lindenthal & Sons, Chicago, Ill. Children's, men's, and young men's outer suits and overcoats and ladies' dresses, coats, and cloaks. No. 118,892; Oct. 9; v. 243; p. 520.
- H. M. Sawyer & Son, East Cambridge, Mass. Waterproof coats, slickers, jackets, pants, hats, aprons, and ponchos. No. 117,270; June 26; v. 239; p. 1206.
- H. P. Finlay & Co., Ltd., New York, N. Y. Ale and stout. No. 119,434; Nov. 20; v. 244; p. 813.
- H. T. Paiste Company, Philadelphia, Pa. Fuse-plugs. No. 118,080; Aug. 14; v. 241; p. 618.
- H. W. Carter Paper Company, Springfield, Mass. Certain named paper and stationery. No. 117,246; June 26; v. 239; p. 1205.
- H. W. Johns-Manville Co., New York, N. Y. Artificial stone possessing the property of absorbing sound. No. 114,973; Jan. 16; v. 234; p. 1040.
- H. W. Johns-Manville Co., New York, N. Y. Covering made of hair and canvas placed over hot-water boilers to retain the heat. No. 114,974; Jan. 16; v. 234; p. 1040.
- H. W. Johns-Manville Company, New York, N. Y. Asbestos sheet-packing. No. 117,155; June 19; v. 239; p. 935.
- H. W. Johns-Manville Co., New York, N. Y. Asbestos roofing. No. 118,881; Oct. 9; v. 243; p. 520.
- H. W. Johns-Manville Co., New York, N. Y. Asbestile liquid cement and asbestile fibrous mineral combined to form asbestile flashing and roof cement. No. 118,882; Oct. 9; v. 243; p. 520.
- Haak, Harry C., Scranton, Pa. Headache-powders and remedies for constipation, liver complaint, &c. No. 118,034; Aug. 14; v. 241; p. 617.
- Habbarth Medical Mfg. Co., Inc., New Orleans, La. Purgative. No. 118,771; Oct. 2; v. 243; p. 236.
- Habbarth Medical Mfg. Co. Inc., New Orleans, La. Ointment for sores, ulcers, and piles. No. 118,772; Oct. 2; v. 243; p. 236.
- Habbarth Medical Mfg. Co. Inc., New Orleans, La. Medicine for irregular bowels and constipation. No. 118,773; Oct. 2; v. 243; p. 236.
- Habbarth Medical Mfg. Co. Inc., New Orleans, La. Salve for cramps, rheumatic pains, sprains, and stiff joints. No. 119,305; Nov. 13; v. 244; p. 559.
- Habicht, Braun & Co., New York, N. Y. Desiccated coconut. No. 115,758; Mar. 6; v. 236; p. 278.
- Hackner, Barnett A., Chicago, Ill. Outer shirts, including dress, negligée, and work shirts. No. 118,522; Sept. 18; v. 242; p. 744.
- Hadley Milling Company, Olathe, Kans. Wheat-flour. No. 119,444; Nov. 20; v. 244; p. 813.
- Hadley Milling Company, Olathe, Kans. Wheat-flour. No. 119,445; Nov. 20; v. 244; p. 813.
- Hadley Milling Company, Olathe, Kans. Self-rising flour. Nos. 119,446-7; Nov. 20; v. 244; pp. 813-14.
- Hagan, John C., Richmond, Va. Natural and artificial mineral water. No. 116,761; May 22; v. 238; p. 1325.
- Hager, Clark & Co., New York, N. Y. Woolen piece goods. No. 116,312; Apr. 24; v. 237; p. 1214.
- Hager, Clark & Co., New York, N. Y. Woolen piece goods. No. 116,898; June 5; v. 239; p. 313.
- Hager, Clark & Co., New York, N. Y. Woolen piece goods. No. 117,036; June 12; v. 239; p. 651.
- Hager, Clark & Co., New York, N. Y. Woolen piece goods and worsteds. No. 118,180; Aug. 21; v. 241; p. 906.
- Hager, Dr. A. J., Hartsville, Tenn. Preparation for treating hog-cholera. No. 114,752; Jan. 2; v. 234; p. 369.
- Hagerstown Shoe & Legging Co., Hagerstown, Md. Shoes and sandals made from leather and fabric. No. 118,876; Oct. 9; v. 243; p. 520.

- Hahn, Charles, Ithaca, N. Y. Chemical compound used as a gasoline-intensifier and carbon-preventive. No. 115,181; Jan. 30; v. 234; p. 1578.
- Hairpidermis Cosmetic Manufacturing Co., Washington, D. C., and St. Louis, Mo. Hair and scalp oil. No. 118,774; Oct. 2; v. 243; p. 236.
- Hakes, Hudson W., Millbury, Mass. Self-threading shuttles for looms. No. 116,057; Apr. 3; v. 237; p. 306.
- Hale Company, The, San Francisco, Cal. Canned crabs. Nos. 116,313-14; Apr. 24; v. 237; p. 1214.
- Hale Company (Inc.), The, San Francisco, Cal. Shelled and unshelled peanuts. Nos. 118,181-2; Aug. 21; v. 241; p. 906.
- Hall, Hartwell & Co., Troy, N. Y. Collars made of textile material. No. 114,753; Jan. 2; v. 234; p. 369.
- Hall Hartwell & Co., Troy, N. Y. Collars and shirts. No. 115,609; Feb. 27; v. 235; p. 1350.
- Hall, Mary A., Tulsa, Okla. Hair-tonic. No. 118,657; Sept. 25; v. 242; p. 988.
- Hall & Ruckel, New York, N. Y. Depilatory powder. No. 115,759; Mar. 6; v. 236; p. 278.
- Halleck, William C., New York, N. Y. Syringes. No. 119,189; Oct. 30; v. 243; p. 1806.
- Haller Baking Company, Pittsburgh, Pa. Bread. No. 118,408; Sept. 4; v. 242; p. 250.
- Haller, Clarissa J., New York, N. Y. Preparation or dressing for the hair. No. 114,970; Jan. 16; v. 234; p. 1040.
- Hallett & Co., H. M., Ludington, Mich. Polishes for woodwork, floors, furniture, &c. No. 118,658; Sept. 25; v. 242; p. 988.
- Hallock, Thomas B., Brooklyn, N. Y. Ventilators. No. 117,137; June 19; v. 239; p. 935.
- Halloran, John H., New York, N. Y. Pastry, cakes, confections, ices, and ice-cream. No. 116,196; Apr. 10; v. 237; p. 619.
- Halpern, Paul S., New York, N. Y. Cotton piece goods. No. 116,844; May 29; v. 238; p. 1636.
- Hambleton, Solomon R., Memphis, Tenn. Antiseptic lotion for use after shaving and for chapped skin, burns, and headache. No. 115,331; Feb. 6; v. 235; p. 319.
- Hamilton, Robert H., Millinocket, Me. Gall remedy. No. 117,856; Aug. 7; v. 241; p. 294.
- Hamlin, John H., New York, N. Y. Paring-machine. No. 118,659; Sept. 25; v. 242; p. 988.
- Hammel, Riglander & Co., New York, N. Y. Watch-glasses. No. 115,184; Jan. 30; v. 234; p. 1578.
- Hampden Watch Company, Canton, Ohio. Watches and watch-movements. No. 115,888; Mar. 20; v. 236; p. 885.
- Hampton Guano Company, Norfolk, Va. Fertilizers. No. 115,332; Feb. 6; v. 235; p. 319.
- Hance, Anthony M., Philadelphia, Pa. Antiseptic compounds. No. 117,319; July 3; v. 240; p. 334.
- Hand & Hitchner, Bridgeton, N. J. Washing fluid. No. 119,306; Nov. 13; v. 244; p. 559.
- Hanz, Frederick S., New York, N. Y. Indigestion, flatulency, vertigo, &c. No. 117,037; June 12; v. 239; p. 651.
- Hankins, Maude M., Nashville, Tenn. Series of printed and published rhymes and short prose compositions. No. 119,705; Dec. 11; v. 245; p. 547.
- Hanlon & Goodman Co., New York, N. Y. Paint-brushes. No. 116,629; May 15; v. 238; p. 976.
- Hansen, Chr. A., New York, N. Y. Turpentine and turpentine substitute. No. 115,185; Jan. 30; v. 234; p. 1578.
- Happy Farmer Tractor Co., The, Minneapolis, Minn., assignor to La Crosse Tractor Company, La Crosse, Wis. Tractors. No. 115,960; Mar. 27; v. 236; p. 1216.
- Harbauer, George L., New York, N. Y. Beer. No. 115,760; Mar. 6; v. 236; p. 278.
- Harbison-Walker Refractories Company, Pittsburgh, Pa. Fire-brick. No. 116,630; May 15; v. 238; p. 976.
- Hardie, George R., New York, N. Y. Condensed milk. No. 116,522; May 8; v. 238; p. 646.
- Hardoncourt, Arthur, Jr., New York, N. Y. Brick, tile, and burnt clay for use in building construction. No. 118,775; Oct. 2; v. 243; p. 236.
- Hardwick & Magee Co., Philadelphia, Pa. Carpets and rugs. No. 115,186; Jan. 30; v. 234; p. 1578.
- Hardy, John W., Chipley, Ga. A salve for the treatment of cancers. No. 119,706; Dec. 11; v. 245; p. 547.
- Harriman Manufacturing Company, Harriman, Tenn. Agricultural implements—namely, cultivators and cultivator-blades. No. 119,073; Oct. 23; v. 243; p. 1061.
- Harris and Berntz Co., Philadelphia, Pa. Tooth-brushes. No. 119,074; Oct. 23; v. 243; p. 1061.
- Harris & Berntz Co., Philadelphia, Pa. Manicure files and burnishers. No. 119,707; Dec. 11; v. 245; p. 547.
- Harris, Carl C., Orange, Mass. Punches and pincers. No. 116,763; May 22; v. 238; p. 1325.
- Harris, P. Stephen, Kansas City, Mo. Hair-remedy compound. No. 118,523; Sept. 18; v. 242; p. 744.
- Harris-Polk Hat Co., St. Louis, Mo. Gloves. Nos. 118,877-8; Oct. 9; v. 243; p. 520.
- Harris, Reginald A., Sydney, New South Wales, Australia. Insecticides and fungicides for spraying plants and trees. No. 119,307; Nov. 13; v. 244; p. 559.
- Harrison, David A., Los Angeles, Cal. Breakfast cereals and remedial foods. No. 118,624; Sept. 18; v. 242; p. 744.
- Harrison & Littrell, Woodward, Okla. Certain named clothing for men and boys. No. 115,333; Feb. 6; v. 235; p. 319.
- Harrison, Thomas F., Augusta, Ga. Fountain-brushes and clamp for connecting water-supply-hose nozzles with the brushes. No. 118,409; Sept. 4; v. 242; p. 250.
- Harroun Motors Corporation, New York, N. Y. Automobiles. No. 119,708; Dec. 11; v. 245; p. 547.
- Hart & Company, New York, N. Y. Bouillon-cubes and beef extracts. No. 117,554; July 17; v. 240; p. 936.
- Hart Sales Company, Inc., New York, N. Y. Cleaning-paste for removing dirt and grease and stains from canvases and leather shoes. No. 115,610; Feb. 27; v. 235; p. 1350.
- Hartman Furniture and Carpet Company, Chicago, Ill. Ready-mixed paints. No. 118,035; Aug. 14; v. 241; p. 617.
- Hartmann Brothers, Inc., New York, N. Y. Hair-nets. No. 119,709; Dec. 11; v. 245; p. 547.
- Harvest Milling Company Inc., Syracuse, N. Y. Wheat-flour. No. 114,754; Jan. 2; v. 234; p. 369.
- Haseltine, Sherwin L., Springfield, Mo. Tablets for treatment of la grippe and colds. No. 116,631; May 15; v. 238; p. 976.
- Haskin Products Co., Goshen, Ind. Washing-powder. No. 117,320; July 3; v. 240; p. 334.
- Hat Manufacturers Supply Company Limited, The, Stockport township, Chester county, England. Hats and caps. No. 118,036; Aug. 14; v. 241; p. 617.
- Hatfield, Andrew L., Hillside, N. J. Substitute for leather and rubber. No. 116,764; May 22; v. 238; p. 1325.
- Haughton, Richard, Paoli, Pa. Certain named foods. No. 117,438; July 10; v. 240; p. 636.
- Haupt, Marie E., New York, N. Y. Ladies' hats. No. 114,755; Jan. 2; v. 234; p. 369.
- Haupt, Peter, New Athens, Ill. Wheat-flour. No. 116,315; Apr. 24; v. 237; p. 1214.
- Haverford Cycle Company, Philadelphia, Pa. Motorcycles and bicycles. No. 117,756; July 31; v. 240; p. 1445.
- Hawck, Frederick W., Omaha, Nebr. Overcoats. No. 116,632; May 15; v. 238; p. 977.
- Hayes, David R., Los Angeles, Cal. Grinding compound. No. 119,448; Nov. 20; v. 244; p. 814.
- Hawkes & Son, London, England. Flutes, piccolos, drums, belts, violin-strings. No. 117,555; July 17; v. 240; p. 936.
- Hawkes & Son, London, England. Harmonic strings. No. 118,970; Oct. 16; v. 243; p. 790.
- Hawkins, Charles A., Indianapolis, Ind. Certain named pharmaceutical preparations. No. 118,776; Oct. 2; v. 243; p. 236.
- Hawley, John S., Jr., San Diego, Cal. Smoked fish. No. 117,556; July 17; v. 240; p. 936.
- Hawthorne Manufacturing Company, Incorporated, The, Bridgeport, Conn. Electric lamps. No. 115,334; Feb. 6; v. 235; p. 319.
- Hawthorne Manufacturing Company, Incorporated, The, Bridgeport, Conn. Certain named electrical apparatus and supplies. No. 115,611; Feb. 27; v. 235; p. 1350.
- Haydenville Company, The, Haydenville, Mass. Bibs and cocks or faucets. No. 115,448; Feb. 13; v. 235; p. 691.
- Haydock, Stanley, Montreal, Canada. Medicinal preparations for external use for treating certain named diseases. No. 117,321; July 3; v. 240; p. 334.
- Hayward & Booth, Bonser, London, England. Eau-de-Cologne. No. 119,253; Nov. 13; v. 244; p. 557.
- Hazard Manufacturing Company, Wilkes-Barre, Pa. Electrical cables or conductors. No. 118,660; Sept. 25; v. 242; p. 988.
- Heat Producer Company, Minneapolis, Minn. Combustion-improving compound. No. 119,710; Dec. 11; v. 245; p. 548.
- Heath, Albert, Escanaba, Mich. Coffin-box. No. 115,335; Feb. 6; v. 235; p. 319.
- Heberlein, Firm of Heinrich Th., Jr., Markneukirchen, Germany. Certain named musical instruments, strings for such instruments, and bows for playing the same. No. 114,884; Jan. 9; v. 234; p. 608.
- Hechler, Edward H., Cleveland, Ohio. Liver-pills. No. 119,896; Dec. 18; v. 245; p. 840.
- Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat and rye flours. No. 117,941; Aug. 7; v. 241; p. 297.
- Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat and rye flours. No. 118,184; Aug. 21; v. 241; p. 906.
- Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat-flour. No. 118,525; Sept. 18; v. 242; p. 744.
- Hed-Tone Company, Waco, Tex. Preparation for the treatment of headaches, fever, nervousness, &c. No. 115,084; Jan. 23; v. 234; p. 1308.
- Heebner, Ernest L., New York, N. Y. Canned sardines. No. 115,187; Jan. 30; v. 234; p. 1578.
- Hees & Norton Designing & Publishing Co., St. Joseph, Mo. Catalogue published from time to time. No. 119,897; Dec. 18; v. 245; p. 840.
- Heidelberg, Wolff & Co., New York, N. Y. Certain named clothing for men and boys. No. 114,756; Jan. 2; v. 234; p. 369.
- Helliger, William F., San Francisco, Cal. Cigars, cigarettes, tobaccos, tobacco cuttings. No. 116,214; Apr. 17; v. 237; p. 913.

Alphabetical list of registrants of trade-marks—Continued.

- Heinn Co., The, Milwaukee, Wis. Certain named paper and stationery. No. 118,185; Aug. 21; v. 241; p. 906.
- Heisey & Co., A. H., Newark, Ohio. Lime blown glass. No. 116,634; May 15; v. 238; p. 977.
- Heisig & Norvell, Beaumont, Tex. Certain named foods. No. 116,633; May 15; v. 238; p. 977.
- Helburn Leather Company, Salem, Mass., assignor to Helburn Thompson Company. Shoe-cloth. No. 116,899; June 5; v. 239; p. 313.
- Helburn Thompson Company. (See Helburn Leather Company, assignor.)
- Heller & Co., B., Chicago, Ill. Polish for vehicle-bodies and the like. No. 116,765; May 22; v. 238; p. 1326.
- Heller & Co., B., Chicago, Ill. Ant-destroyer. No. 118,410; Sept. 4; v. 242; p. 250.
- Heller & Co., B., Chicago, Ill. Bedbug-destroyer. No. 118,526; Sept. 18; v. 242; p. 744.
- Heller & Co., B., Chicago, Ill. Ant-destroyer. No. 118,527; Sept. 18; v. 242; p. 744.
- Heller & Co., B., Chicago, Ill. Roach-destroyer. No. 119,308; Nov. 13; v. 244; p. 559.
- Heller & Company, B., Chicago, Ill. Dyspepsia-tablets and laxative tablets. No. 119,532; Nov. 27; v. 244; p. 1082.
- Heller, Herman, New York, N. Y. Liquid preparation to be applied to and for the relief of foot affection. No. 117,859; Aug. 7; v. 241; p. 294.
- Hellmann, Richard, Long Island City, N. Y. Pumpernickel bread. No. 118,294; Aug. 28; v. 241; p. 1152.
- Hellstern, William J., New Haven, Conn. Biscuits. No. 118,411; Sept. 4; v. 242; p. 250.
- Helme, George W., Greenwich, Conn. Squabs. No. 117,860; Aug. 7; v. 241; p. 294.
- Helmet Company, The, Cincinnati, Ohio. Chewing-gum. No. 115,961; Mar. 27; v. 236; p. 1216.
- Helvetia Milk Condensing Company, Highland, Ill. Canned condensed milk. Nos. 118,295-6; Aug. 28; v. 241; p. 1152.
- Helvetia Milk Condensing Company, Highland, Ill. Canned condensed milk. No. 118,412; Sept. 4; v. 242; p. 250.
- Helwitz, Ellis S., Brooklyn, N. Y. Shoe-heels made of rubber. No. 118,186; Aug. 21; v. 241; p. 906.
- Hemrich Bros. Brewing Co., Seattle, Wash. Non-alcoholic beverage made from selected grains and sold as a soft drink. No. 115,962; Mar. 27; v. 236; p. 1216.
- Hemrich Bros. Brewing Co., Seattle, Wash. Non-alcoholic beverages to be sold as a soft drink. No. 117,557; July 17; v. 240; p. 936.
- Henry Glass & Co., New York, N. Y. Cotton piece goods. No. 119,693; Dec. 11; v. 245; p. 547.
- Henry M. Day, Inc., New York, N. Y. Certain named foods. No. 119,674; Dec. 11; v. 245; p. 546.
- Henry, Malcolm, Tulsa, Okla. Remedy for certain named diseases and affections. No. 119,309; Nov. 13; v. 244; p. 559.
- Henry Romeike, Inc., New York, N. Y. Press-clippings. No. 119,984; Dec. 25; v. 245; p. 1022.
- Henry Sonneborn & Co., Inc., Baltimore, Md. Certain named men's, boys', and children's clothing. No. 115,547; Feb. 20; v. 235; p. 1051.
- Henry Thayer & Company, Cambridge, Mass. Pills or tablets for the treatment of piles. No. 118,590; Sept. 18; v. 242; p. 746.
- Henry W. Fishel & Sons, Inc., New York, N. Y. Certain named jewelry and precious-metal ware. No. 119,521; Nov. 27; v. 244; p. 1082.
- Herman, Max, New York, N. Y. Pompons. No. 115,449; Feb. 13; v. 235; p. 691.
- Hermann-Sanford Saddlery Company, Springfield, Mo. Horse-collars. Nos. 115,336-7; Feb. 6; v. 235; p. 319.
- Hero Snap Fastener Co., New York, N. Y. Metal snap-fasteners, snap-fastening or push buttons. No. 119,449; Nov. 20; v. 244; p. 814.
- Hero Snap Fastener Company, New York, N. Y. Metal snap-fasteners or snap-fastening buttons or clasps. No. 116,635; May 15; v. 238; p. 977.
- Herolin Medicine Company, The, Atlanta, Ga. Hair-dressing. No. 116,316; Apr. 24; v. 237; p. 1214.
- Herzog, Moses, New York, N. Y. Hair-nets. No. 116,845; May 29; v. 238; p. 1636.
- Herzog, Moses, New York, N. Y. Hair-nets. No. 117,038; June 12; v. 239; p. 651.
- Hess Brothers, Allentown, Pa. Certain named clothing. No. 114,885; Jan. 9; v. 234; p. 668.
- Hess, Elam G., Manheim, Pa. Thin-shelled pecan-nuts. No. 118,971; Oct. 16; v. 243; p. 790.
- Hesse Envelope & Litho. Company, St. Louis, Mo. Envelops, letter and bill heads, drafts, checks, writing-paper. No. 117,322; July 3; v. 240; p. 334.
- Hesser, Robt. W., Ennis, Tex. Laxative chill- tonic. No. 117,861; Aug. 7; v. 241; p. 294.
- Hexagon Sewing Machine Company, New York, N. Y. Sewing-machines, parts thereof. Nos. 117,141-4; June 19; v. 239; p. 935.
- Hexagon Sewing Machine Company, New York, N. Y. Sewing-machines, parts thereof, and attachments. Nos. 118,661-2; Sept. 25; v. 242; p. 988.
- Heyser, William, Baltimore, Md. Canned raw oysters. No. 115,338; Feb. 6; v. 235; p. 319.
- Heyser, William, Baltimore, Md. Certain named raw fruits and vegetables. No. 115,613; Feb. 27; v. 235; p. 1350.
- Hezel Milling Company, East St. Louis, Ill. Wheat-flour. No. 114,757; Jan. 2; v. 234; p. 369.
- Hezel Milling Company, East St. Louis, Ill. Self-rising wheat-flour. No. 115,614; Feb. 27; v. 235; p. 1350.
- Hezel Milling Company, East St. Louis, Ill. Wheat-flour. No. 116,215; Apr. 17; v. 237; p. 913.
- Hezel Milling Company, East St. Louis, Ill. Wheat-flour. No. 116,317; Apr. 24; v. 237; p. 1214.
- Hezel Milling Company, East St. Louis, Ill. Wheat-flour. No. 117,558; July 17; v. 240; p. 936.
- Hezel Milling Company, East St. Louis, Ill. Wheat-flour. No. 119,450; Nov. 20; v. 244; p. 814.
- Hezel Milling Company, East St. Louis, Ill. Self-rising wheat-flour. No. 119,953; Dec. 25; v. 245; p. 1021.
- Hickey, Ellen, Los Angeles, Cal. Remedy for rheumatism. No. 117,039; June 12; v. 239; p. 651.
- High Grade Manufacturing Company, The, Cleveland, Ohio. Construction materials. No. 116,216; Apr. 17; v. 237; p. 913.
- Higrade Belting & Weaving Co., Newark, N. J. Textile, fiber, rubber, and balata belting. Nos. 117,862-4; Aug. 7; v. 241; p. 294.
- Higrade Belting & Weaving Co., Newark, N. J. Textile, fiber, rubber, and balata belting. No. 119,190; Oct. 30; v. 243; p. 1306.
- Hike-Dirt Co., Franklin, Pa. Water-softening compound. No. 119,310; Nov. 13; v. 244; p. 559.
- Hikell Mfg. Co., Omaha, Nebr. Certain named pharmaceutical preparations for toilet purposes. No. 115,615; Feb. 27; v. 235; p. 1350.
- Hikish, Robert, Tuckahoe, N. Y. Certain named attachments for internal-combustion engines. No. 116,059; Apr. 3; v. 237; p. 306.
- Hill, Clement V., Trenton, N. J. Coal heaters and stoves. No. 114,758; Jan. 2; v. 234; p. 369.
- Hill & Co., Geo. W., Covington, Ky. Wheat-flour. No. 119,311; Nov. 13; v. 244; p. 559.
- Hill & Griffith Co., The, Cincinnati, Ohio. Core-blackening. No. 118,298; Aug. 28; v. 241; p. 1152.
- Hill, Harriet, New York, N. Y. Paper drinking-cups. No. 118,777; Oct. 2; v. 243; p. 236.
- Hill-Independent Mfg. Co., Philadelphia, Pa. Hand-stamps. Nos. 119,077-8; Oct. 23; v. 243; p. 1061.
- Hill, John J., Jr., Rosemont, Pa. Magnetos. No. 119,533; Nov. 27; v. 244; p. 1082.
- Hill Pump Valve Company, The, Chicago, Ill. Pumps and wrenches. No. 115,511; Feb. 20; v. 235; p. 1050.
- Hill Pump Valve Company, The, Chicago, Ill. Automobile-heaters utilizing the exhaust from explosive-engines. No. 116,952; June 5; v. 239; p. 315.
- Hill-Smith Metal Goods Co., The, Boston, Mass. Repair parts for automobiles connected with the ignition systems. No. 115,963; Mar. 27; v. 236; p. 1216.
- Hill-Smith Metal Goods Company, The, Boston, Mass. Repair parts for automobile-engines and certain named tools. No. 116,430; May 1; v. 238; p. 306.
- Hillierich & Bradsby Company, Louisville, Ky. Certain named sporting goods. No. 116,637; May 15; v. 238; p. 977.
- Hillerich & Bradsby Company, Inc., Louisville, Ky. Baseball bats. No. 119,076; Oct. 23; v. 243; p. 1061.
- Hinchuk & Co., Alexander, New York, N. Y. Men's, women's, and children's leather boots and shoes. No. 115,616; Feb. 27; v. 235; p. 1350.
- Hinckel Brewery Company, Albany, N. Y. Brewed malt beverages. No. 116,900; June 5; v. 239; p. 314.
- Hinckley, Elizabeth B., New York, N. Y. Mixture of uncooked grain used as a cereal food. No. 118,187; Aug. 21; v. 241; p. 906.
- Hinds, Aurelius S., Portland, Me. Talcum powder. No. 116,901; June 5; v. 239; p. 314.
- Hirsh & Schofield, Inc., New York, N. Y. Material for coating the interior of wooden beer-receptacles. No. 117,323; July 3; v. 240; p. 334.
- Hirsh, Wickwire Company, Chicago, Ill. Men's and youths' coats, waistcoats, trousers, and overalls. No. 116,431; May 1; v. 238; p. 306.
- Hiscox & Co., Patchogue, N. Y. Preparation for polishing auto-bodies, pianos, furniture, hardwood floors, and all varnished surfaces. No. 115,339; Feb. 6; v. 235; p. 319.
- Hitchcock, William F., Rochester, N. Y. Electric motors and motor driving mechanisms for sound-reproducing machines. No. 118,038; Aug. 14; v. 241; p. 617.
- Ho-Mayde Products Co., Detroit, Mich. Yeast-flour. No. 117,041; June 12; v. 239; p. 651.
- Hobo Manufacturing Co., Voth, Tex. Fire-kindlers. No. 115,513; Feb. 20; v. 235; p. 1050.
- Hockmeyer Bros., New York, N. Y. Cotton piece goods, corduroys, and velvets. No. 117,758; July 31; v. 240; p. 1446.
- Hodschar, Frederick, Brooklyn, N. Y. Liquid compound for cleaning floors. No. 114,759; Jan. 2; v. 234; p. 369.
- Hoffar, Charles D., Louisville, Ky. Medicinal compound for constipation and indigestion. No. 117,664; July 24; v. 240; p. 1162.
- Hoffay, Joseph, New York, N. Y. Talking-machines and their parts. No. 119,451; Nov. 20; v. 244; p. 814.
- Hoffman & Kropff Chemical Co., Brooklyn, N. Y. Dyes and dye-bases. No. 114,760; Jan. 2; v. 234; p. 369.
- Hozan, Samuel T., Creedmoor, Tex. Substitute for coffee. No. 118,528; Sept. 18; v. 242; p. 744.

- Hohlfeld Manufacturing Co., Philadelphia, Pa. Towels, washrags, face-cloths, bath-mats, and textile bath-room rugs. Nos. 119,711-12; Dec. 11; v. 245; p. 548.
- Höhn, Walter, New York, N. Y. Pregnancy-testers. No. 115,889; Mar. 20; v. 236; p. 885.
- Holbert, John F., Chattanooga, Tenn. Overalls, outside shirts, and trousers. No. 114,761; Jan. 2; v. 234; p. 369.
- Holbrook Mfg. Co., The, Jersey City, N. J. Scouring-soap. No. 117,256; June 26; v. 239; p. 1205.
- Holcomb & Hoke Mfg. Co., Indianapolis, Ind. Peanut-bags. No. 116,766; May 22; v. 238; p. 1326.
- Holden-Leonard Co., New York, N. Y. Fabric woven of worsted and woolen yarns and silk for garments and coverings. No. 117,442; July 10; v. 240; p. 636.
- Holden-Leonard Co., New York, N. Y. Fabric woven of worsted and woolen yarns and silk for garments and coverings. No. 117,759; July 31; v. 240; p. 1446.
- Holland Food Corporation, New York, N. Y. Condensed skimmed milk. No. 116,638; May 15; v. 238; p. 977.
- Holland Food Corporation, New York, N. Y. Condensed milk. No. 117,040; June 12; v. 239; p. 651.
- Holland Shoe Co., Holland, Mich. Leather boots and shoes and shoe-soles of leather. No. 114,762; Jan. 2; v. 234; p. 369.
- Holland Shoe Co., Holland, Mich. Leather boots and shoes and boot and shoe soles of leather. No. 118,039; Aug. 14; v. 241; p. 617.
- Holliston Mills, The, Norwood, Mass. Glue compound of animal and vegetable matter. No. 119,534; Nov. 27; v. 244; p. 1082.
- Hollywood Company, The, New York, N. Y. Scotch whisky. No. 114,763; Jan. 2; v. 234; p. 370.
- Holmes, John E., St. Anthony, Idaho. Ointment for the treatment of certain named diseases. No. 119,312; Nov. 13; v. 244; p. 559.
- Holt Manufacturing Company, The, Stockton, Cal. Monthly periodicals. No. 115,514; Feb. 20; v. 235; p. 1050.
- Holtite-Thistle Company, Inc., New York, N. Y. Men's, women's, and children's hats and caps. No. 115,762; Mar. 6; v. 236; p. 278.
- Holzhauser, Charles W., Newark, N. J. Remedy for la grippe and colds, neuralgia, headache, and rheumatic pains. No. 115,340; Feb. 6; v. 235; p. 319.
- Home Products Company, The, Newburgh, N. Y. Vanishing cream. No. 116,639; May 15; v. 238; p. 977.
- Home Products Company, The, Newburgh, N. Y. Extract of lemon for flavoring foods. No. 117,042; June 12; v. 239; p. 651.
- Home Rubber Co., Trenton, N. J. Asbestos-fiber sheet-packing. No. 117,145; June 19; v. 239; p. 935.
- Honolulu Ad Club, Honolulu, Hawaii. Ukuleles, musical instruments made in Hawaii. No. 118,529; Sept. 18; v. 242; p. 744.
- Hood Rubber Company, Watertown, Mass. Rubber boots, shoes, and overshoes, rubber-sole canvas shoes. Nos. 116,640-3; May 15; v. 238; p. 977.
- Hooton Cocoa Company, Newark, N. J. Breakfast-cocoa, powdered sweet cocoa, premium-chocolate, sweet chocolate. No. 119,715; Dec. 11; v. 245; p. 548.
- Hope Machine Company, Philadelphia, Pa. Piston-rings. No. 117,866; Aug. 7; v. 241; p. 295.
- Hopfinger & Roth, St. Louis, Mo. Hair-dressing. No. 116,644; May 15; v. 238; p. 977.
- Hopkins, John, New York, N. Y. Nail-files, tweezers, and blackhead-removers. No. 118,778; Oct. 2; v. 243; p. 236.
- Horlick, Alexander, Milwaukee, Wis. Bread, biscuits, crackers, wafers, cookies, candies, cocoa, chocolate. No. 115,965; Mar. 27; v. 236; p. 1216.
- Horlick, Alexander, Milwaukee, Wis. Beverage-forming food product in the form of readily-soluble powder or tablets. No. 116,321; Apr. 24; v. 237; p. 1214.
- Horn-Shafer Company, The, Baltimore, Md. Publications issued biannually. No. 117,146; June 19; v. 239; p. 935.
- Horton Manufacturing Co., The, Bristol, Conn. Reels for fishing-rods. Nos. 117,560-1; July 17; v. 240; p. 936.
- Hosch Bros. Co., Gainesville, Ga. Overalls, dress-shirts, negligees, and work-shirts. No. 118,413; Sept. 4; v. 242; p. 250.
- Hostater, Margaret E., Westfield, N. Y. Dish-washing machines. No. 119,535; Nov. 27; v. 244; p. 1082.
- Houston Ice & Brewing Association, Houston, Tex. Non-alcoholic cereal beverages sold as soft drinks. No. 119,313; Nov. 13; v. 244; p. 559.
- Howard Company, L. A., Minneapolis, Minn. Preparations for the treatment of certain named diseases. No. 116,060; Apr. 3; v. 237; p. 306.
- Howard, Frank W., New York, N. Y. Rain-coats. No. 116,953; June 5; v. 239; p. 315.
- Howard-Vaughan Co., The, Niagara Falls, N. Y. Chemical compound for use in gasoline for internal-combustion engines. No. 116,322; Apr. 24; v. 237; p. 1214.
- Howatt, John H., Port Chester, N. Y. An antifouling compound. No. 117,666; July 24; v. 240; p. 1162.
- Howe Manufacturing Company, Chicago, Ill. Electric lamps. No. 118,663; Sept. 25; v. 242; p. 988.
- Howell, Robert B., Omaha, Nebr. Sealing material for forming joints between pipes having sulfur as a base. No. 119,716; Dec. 11; v. 245; p. 548.
- Howes, Claude L., Boston, Mass. Rust-preventive or non-electrolytic coating for metals. No. 119,314; Nov. 13; v. 244; p. 559.
- Hoyt Metal Company, St. Louis, Mo. Babbitt metal. No. 115,854; Mar. 13; v. 236; p. 591.
- Hoza, Mary, Uniontown, Pa. Medicine-booklet. No. 118,188; Aug. 21; v. 241; p. 906.
- Hubbard Milling Co., Mankato, Minn. Monthly magazines. No. 118,779; Oct. 2; v. 243; p. 236.
- Hubbard Portable Oven Co., Chicago, Ill. Portable and other ovens. No. 115,966; Mar. 27; v. 236; p. 1216.
- Hubbell, David E., Elgin, Ill. Metallic dippers for skimming milk contained in milk-bottles. No. 115,188; Jan. 30; v. 234; p. 1578.
- Hudson Co., J. L., The, Detroit, Mich. Corsets. No. 119,717; Dec. 11; v. 245; p. 548.
- Hudson Co., J. L., Detroit, Mich. Corsets. No. 119,959; Dec. 25; v. 245; p. 1021.
- Hudson, Joseph, Birmingham, England. Whistle-calls. No. 119,079; Oct. 23; v. 243; p. 1061.
- Hudson Mechanical Rubber Company, New York, N. Y. Canvas, rubber, leather, and combination canvas and rubber beltings. No. 115,763; Mar. 6; v. 236; p. 278.
- Hudson Mechanical Rubber Co., New York, N. Y. Canvas, rubber, leather, and combination canvas and rubber beltings. No. 117,147; June 19; v. 239; p. 935.
- Hudson Mfg. Co., Incorporated, The, Chicago, Ill. Flavoring extracts for foods. No. 115,088; Jan. 23; v. 235; p. 1308.
- Hudson Mfg. Co., Chicago, Ill. Compound of vanilla and tonka. No. 115,341; Feb. 6; v. 235; p. 319.
- Huelsenkamp, Clemens J., Miami, Fla. Non-alcoholic, maltless, carbonated beverage and syrup for making same. No. 119,453; Nov. 20; v. 244; p. 814.
- Hugetz, Edward, New York, N. Y. Fountain and stylographic pens. No. 115,967; Mar. 27; v. 236; p. 1216.
- Hugh Thompson Broom Corn Company, Kansas City, Mo. Brooms. No. 116,016; Mar. 27; v. 236; p. 1218.
- Huiskamp Bros. Co., Keokuk, Iowa. Leather boots and shoes. No. 114,765; Jan. 2; v. 234; p. 370.
- Hunold, Ernest, Providence, R. I. Ice-skates and parts thereof. No. 116,645; May 15; v. 238; p. 977.
- Hunter Manufacturing & Commission Co., New York, N. Y. Cotton piece goods in the gray. No. 119,315; Nov. 13; v. 244; p. 559.
- Hunter Mfg. & Com. Co., New York, N. Y. Cotton piece goods. No. 115,189; Jan. 30; v. 234; p. 1578.
- Huntington, Lawrence D., Jr., Miami, Fla. Lime-juice. No. 118,467; Sept. 11; v. 242; p. 513.
- Hurd, Earl, New York, N. Y. Moving-picture films showing animated cartoons. No. 119,536; Nov. 27; v. 244; p. 1082.
- Hurley Bros. Incorporated, St. Paul, Minn. Whisky, brandy, and gin. No. 114,766; Jan. 2; v. 234; p. 370.
- Hurley Machine Company, Chicago, Ill. Clothes-washing and wringing and ironing machines. No. 119,454; Nov. 20; v. 244; p. 814.
- Hurley Machine Company, Chicago, Ill. Electric dish-washing machines and electric vacuum-cleaners. No. 119,537; Nov. 27; v. 244; p. 1082.
- Hurlock Bros. Company, Philadelphia, Pa. Paper illustration, mat, photo-mount, &c., boards. No. 118,530; Sept. 18; v. 242; p. 744.
- Hyams, David, New York, N. Y. Duplicators—namely, an apparatus for producing facsimiles of manuscripts, type-writing, &c. No. 116,218; Apr. 17; v. 237; p. 913.
- Hydragas Corporation, The, New York, N. Y. Liquid fuel for internal-combustion engines. No. 116,137; Apr. 10; v. 237; p. 618.
- Hydragas Corporation, The, New York, N. Y. Certain named vaporizing device. No. 116,646; May 15; v. 238; p. 977.
- Hygeia Can Company, Inc., New York, N. Y. Waste-receptacles—namely, containers for garbage, refuse, &c. No. 117,867; Aug. 7; v. 241; p. 295.
- I. Ollendorff Co., New York, N. Y. Watchcases and watch-movements. Nos. 116,972-3; June 5; v. 239; p. 316.
- I. B. Kleinert Rubber Company, New York, N. Y. Dress-shields. No. 119,966; Dec. 25; v. 245; p. 1022.
- Ideal Stencil Machine Company, Belleville, Ill. Stencil-cutting machines. No. 117,327; July 3; v. 240; p. 334.
- Ignatius Lempere Co., Chicago, Ill. Medicinal compound for the treatment of lung trouble. No. 119,714; Dec. 11; v. 245; p. 548.
- Ilford, Limited, Ilford, London, England. Photographic dry plates, photographic films, and prepared paper for photographic purposes. Nos. 116,138-9; Apr. 10; v. 237; p. 618.
- Illiceto, Matteo, Philadelphia, Pa. Certain medicinal preparations. No. 119,316; Nov. 13; v. 244; p. 559.
- Illinois Specialty Manufacturing Co., Normal, Ill. Banana-ripeners and gas-heaters. No. 118,780; Oct. 2; v. 243; p. 236.
- Illinois Tool Works, Chicago, Ill. Certain named cutlery, machinery, and tools, and parts thereof. No. 118,664; Sept. 25; v. 242; p. 988.
- Illinois Zinc Company, Peru, Ill. Spelter, sheet-zinc, zinc oxid, and copper ingots. No. 118,299; Aug. 28; v. 241; p. 1152.
- Imperial Candy Co., Seattle, Wash. Chocolates and bonbons. No. 115,890; Mar. 20; v. 236; p. 885.
- Imperial Candy Co., Seattle, Wash. Certain named confectionery. No. 116,524; May 8; v. 238; p. 646.
- Imperial Candy Company, Milwaukee, Wis. Marshmallows. No. 117,667; July 24; v. 240; p. 1162.

Alphabetical list of registrants of trade-marks—Continued.

- Imperial Chemical Co. Ltd., The, Altoona, Pa. Liniments and medicinal preparations for treating certain named diseases and ailments. No. 118,414; Sept. 4; v. 242; p. 250.
- Imperial Macaroni Manufacturing Company, Butte, Mont. Macaroni, vermicelli, and spaghetti. No. 119,317; Nov. 13; v. 244; p. 559.
- Imperial Player Roll Co., Chicago, Ill. Music-rolls for automatic musical instruments. No. 116,219; Apr. 17; v. 237; p. 913.
- Imperial Roofing Mfg. Company, Chicago, Ill. Composition roofing. No. 118,040; Aug. 14; v. 241; p. 617.
- Imperial Sugar Company, Sugar Land, Tex. Sugar. No. 119,080; Oct. 23; v. 243; p. 1061.
- Imperial Type Metal Co., Philadelphia, Pa. Type-metal. No. 114,767; Jan. 2; v. 234; p. 370.
- Imperial Underwear Co., Scranton, Pa., and New York, N. Y. Underdrawers and envelop-chemise of muslin or other textile fabrics. No. 119,718; Dec. 11; v. 245; p. 548.
- Improved Stay Company, Inc., New York, N. Y. Corsets. No. 118,972; Oct. 16; v. 243; p. 790.
- Independent Gum Co., Kansas City, Mo. Chewing-gum. Nos. 117,760-2; July 31; v. 240; p. 1446.
- Independent Trading Co. Inc., New York, N. Y. Laxative in tablet form. No. 118,531; Sept. 18; v. 242; p. 744.
- India Rubber Company, New Brunswick, N. J., and New York, N. Y. Battery-jars. No. 115,617; Feb. 27; v. 235; p. 1350.
- India Rubber Company, New Brunswick, N. J., and New York, N. Y. Hard-rubber acid-conducting pipes. No. 116,767; May 22; v. 238; p. 1326.
- India-Rubber Gutta Percha & Telegraph Works Company Limited, The, London, England. Golf-balls. No. 116,220; Apr. 17; v. 237; p. 913.
- India Rubber, Gutta Percha, and Telegraph Works Co., Ltd., The, London, England. Golf-balls. Nos. 118,189-92; Aug. 21; v. 241; pp. 906-7.
- Industrial Filtration Corporation, New York, N. Y. Filters and filtering apparatus. No. 118,781; Oct. 2; v. 243; p. 236.
- Infants Specialty Company Inc., Buffalo, N. Y. Nursing-bottles. No. 114,972; Jan. 16; v. 234; p. 1040.
- Ingram Drug Company, Valdosta, Ga. Field and garden seeds. No. 119,719; Dec. 11; v. 245; p. 548.
- Inland Empire Creamery and Produce Company, Spokane, Wash. Butter. No. 119,318; Nov. 13; v. 244; p. 559.
- Inland Products Company, Spokane, Wash. Carbonated sweet apple cider. No. 119,228; Nov. 6; v. 244; p. 287.
- Innis, Spelden & Co., Inc., New York, N. Y. Phosphoric paste and phosphates. No. 119,539; Nov. 27; v. 244; p. 1082.
- Inter-Ocean Film Corporation, New York, N. Y. Certain named moving-picture or cinematograph supplies. No. 117,331; July 3; v. 240; p. 334.
- International-Billiard Table Company, Kansas City, Mo. Billiard-hall furniture—namely, billiard-tables, ball and cue racks. No. 117,763; July 31; v. 240; p. 1446.
- International Clay Machinery Co., The, Dayton, Ohio. Certain named cutlery, machinery, and tools, and parts thereof. No. 118,665; Sept. 25; v. 242; p. 988.
- International Color & Chemical Co., Inc., Detroit, Mich. Scarlet and basic chromes and white lead in oil. No. 115,618; Feb. 27; v. 235; p. 1350.
- International Cork Company, Brooklyn, N. Y. Certain named stoppers. No. 116,140; Apr. 10; v. 237; p. 618.
- International Drug Company, Wilmington, Del. Toilet soaps. No. 117,328; July 3; v. 240; p. 334.
- International Drug Company, Wilmington, Del. Certain named chemicals, medicines, and pharmaceutical preparations. No. 118,532; Sept. 18; v. 242; p. 744.
- International Drug Company, Wilmington, Del. Acetylsalicylic acid. No. 118,782; Oct. 2; v. 243; p. 236.
- International Druggists' & Chemists' Laboratories, New York, N. Y. Chemical preparation in tablet form for disorders of the blood. No. 119,319; Nov. 13; v. 244; p. 559.
- International Grain Drier & Mill Equipment Co., The, Milwaukee, Wis. Grain-driers. No. 114,768; Jan. 2; v. 234; p. 370.
- International Handkerchief Mfg. Co., The, New York, N. Y. Handkerchiefs. Nos. 119,960-1; Dec. 25; v. 245; p. 1021.
- International Harvester Company of New Jersey, Chicago, Ill. Cultivators and parts thereof. No. 116,061; Apr. 3; v. 237; p. 306.
- International Harvester Corporation, Chicago, Ill. Fluid-pressure engines and parts thereof. No. 116,221; Apr. 17; v. 237; p. 913.
- International Harvester Corporation, Chicago, Ill. Tractors and internal-combustion engines and parts thereof. Nos. 117,329-30; July 3; v. 240; p. 334.
- International Harvester Corporation, Chicago, Ill. Tractors and fluid-pressure engines and parts thereof. No. 119,540; Nov. 27; v. 244; p. 1082.
- International News Service, New York, N. Y. Newspaper-section. No. 116,062; Apr. 3; v. 237; p. 306.
- International Pharmaceutical Company, Chicago, Ill. Stomach-tablets for indigestion and associated ailments. No. 119,541; Nov. 27; v. 244; p. 1082.
- International Provision Co., Brooklyn, N. Y. Hams, bacon, pork heads and plates, mess, short clear, and fat-back pork. No. 117,562; July 17; v. 240; p. 937.
- International Provision Co., Brooklyn, N. Y. Bacon. No. 117,563; July 17; v. 240; p. 937.
- International Soap & Manufacturing Co., Scranton, Pa. Soft soap. No. 118,666; Sept. 25; v. 242; p. 988.
- Interstate Cartoon Co., New York, N. Y. Exercising apparatus in the form of dumb-bells. No. 117,148; June 19; v. 239; p. 935.
- Interstate Chemical Company, Jersey City, N. J. Soaps. No. 118,193; Aug. 21; v. 241; p. 907.
- Interstate Chemical Company, Jersey City, N. J. Soap-dispensers. No. 119,081; Oct. 23; v. 243; p. 1061.
- Interstate Cotton Oil Refining Co., Sherman, Tex. Lard substitute. No. 117,149; June 19; v. 239; p. 935.
- Interstate Cotton Oil Refining Co., Sherman, Tex. Shortening. No. 117,150; June 19; v. 239; p. 935.
- Interstate Cotton Oil Refining Co., Sherman, Tex. Lard substitute. No. 117,151; June 19; v. 239; p. 935.
- Interstate Cotton Oil Refining Co., Sherman, Tex. Soap. No. 117,332; July 3; v. 240; p. 334.
- Interstate Cotton Oil Refining Co., Sherman, Tex. Shortening composed of cotton-seed oil and oleo-stearin. No. 117,868; Aug. 7; v. 241; p. 295.
- Interstate Cotton Oil Refining Co., Sherman, Tex. Shortening. No. 118,783; Oct. 2; v. 243; p. 236.
- Interstate Cotton Oil Refining Co., Sherman, Tex. Laundry soap. No. 119,962; Dec. 25; v. 245; p. 1022.
- Interstate Engine & Tractor Company, Waterloo, Iowa. Tractors. No. 116,432; May 1; v. 238; p. 306.
- Interstate Shade Cloth Co., Hoboken, N. J. Shade-cloths of sized and oil-painted fabrics. Nos. 119,963-4; Dec. 25; v. 245; p. 1022.
- Iodine Products Company, The, Laurel, Miss. Dental cream. No. 118,784; Oct. 2; v. 243; p. 236.
- Iowa City Produce Company, Iowa City, Iowa. Butter. No. 118,415; Sept. 4; v. 242; p. 250.
- Ireland Chemical Co., Chicago, Ill. Antiseptic, astringent, &c., preparation for treatment of diseases of the respiratory mucous membranes. No. 116,647; May 15; v. 238; p. 977.
- Iroquois China Company, Solvay, N. Y. Chinaware. No. 119,720; Dec. 11; v. 245; p. 548.
- Irvington Varnish & Insulator Co., Irvington, N. J. Certain named materials for electrical purposes. No. 119,542; Nov. 27; v. 244; p. 1083.
- Isaac Hamburger & Sons, Baltimore, Md. Men's and boys' outer suits, coats, overcoats, and trousers. No. 115,182; Jan. 30; v. 234; p. 1578.
- Isard, Reeves H., Atlantic City, N. J. Calendars and pictorial and fancy imprinted cards, such as Christmas, &c., cards. No. 114,770; Jan. 2; v. 234; p. 370.
- Iseberg, Charles, Philadelphia, Pa. Face-powder. No. 117,869; Aug. 7; v. 241; p. 295.
- Isko, Incorporated, Detroit, Mich. Pumps and compressors. No. 116,846; May 29; v. 238; p. 1636.
- Isko, Incorporated, Detroit, Mich. Monthly trade journal. No. 119,320; Nov. 13; v. 244; p. 559.
- Israel, Fred W., Wichita, Kans. Ointment for the treatment of certain named diseases. No. 114,771; Jan. 2; v. 234; p. 370.
- Italian Bed Spread Co., New York, N. Y. Cotton bedspreads. No. 114,888; Jan. 9; v. 234; p. 668.
- Italian Products Distributing Co., Chicago, Ill. Olive-oil. Nos. 118,194-5; Aug. 21; v. 241; p. 907.
- Iten Biscuit Co., Omaha, Nebr. Cakes and cookies. No. 114,769; Jan. 2; v. 234; p. 370.
- Iten Biscuit Co., Omaha, Nebr. Cakes and cookies. Nos. 115,342-3; Feb. 6; v. 235; p. 319.
- Itsynson, Harry, Philadelphia, Pa. Certain named clothing for ladies, children, and infants. No. 119,721; Dec. 11; v. 245; p. 548.
- Ives Sales Service, Chicago, Ill. Shelled pecans, walnuts, almonds, and peanuts. No. 119,722; Dec. 11; v. 245; p. 548.
- Ivy Milk Products Co., Huron, S. D., and Minneapolis, Minn. Canned unsweetened sterilized evaporated milk. No. 117,443; July 10; v. 240; p. 636.
- J. Bacon & Sons, Louisville, Ky. Certain named clothing for men, women, and children. No. 118,943; Oct. 16; v. 243; p. 789.
- J. Bulova Company, New York, N. Y. Watches. No. 116,587; May 15; v. 238; p. 975.
- J. Geo. Leyner Engineering Works Company, The, Littleton, Colo. Fluid-operated drill-sharpening machines. No. 118,677; Sept. 25; v. 242; p. 989.
- J. Hollander & Co. Inc., Brooklyn, N. Y. Skins and furs. No. 117,665; July 24; v. 240; p. 1162.
- J. Paskus & Son, New York, N. Y. Sole-leather. No. 116,786; May 22; v. 238; p. 1326.
- J. Rosenbaum Grain Company, Chicago, Ill. Weekly periodical. No. 116,241; Apr. 17; v. 237; p. 914.
- J. Weller Co., The, Oak Harbor, Ohio. Canned sauerkraut. No. 116,184; Apr. 10; v. 237; p. 619.
- J. A. Finn & Company, New York, N. Y. Cotton piece goods. No. 114,878; Jan. 9; v. 234; p. 667.
- J. A. Folger & Company, San Francisco, Cal. Tea. No. 117,032; June 12; v. 239; p. 651.
- J. B. Williams Company, The, Glastonbury, Conn. Shaving and toilet soaps. No. 115,131; Jan. 23; v. 234; p. 1309.
- J. B. Williams Company, The, Glastonbury, Conn. Face-lotions. No. 115,470; Feb. 13; v. 235; p. 692.
- J. C. Deagan Musical Bells. (See Deagan, John C., assignor.)

- J. & C. Fischer, New York, N. Y. Regulating devices for player-pianos and piano-players. No. 116,051; Apr. 3; v. 237; p. 305.
- J. D. Johnson Co., Brooklyn, N. Y., assignor to J. D. Johnson Co. Inc. Water-closets. No. 116,141; Apr. 10; v. 237; p. 618.
- J. E. French Co., Rockland, Mass. Leather boots and shoes. No. 117,434; July 10; v. 240; p. 638.
- J. E. Hanger, Inc., Washington, D. C. Sockets and corsets of artificial limbs. No. 118,293; Aug. 28; v. 241; p. 1152.
- J. H. Burton & Co. Inc., New York, N. Y. Portable buildings. No. 118,382; Sept. 4; v. 242; p. 249.
- J. H. Genter Co., Inc., The, Newburgh, N. Y. Stereopticon and moving-picture screens. No. 119,603; Dec. 4; v. 245; p. 275.
- J. H. Michaels Co., New York, N. Y. Fresh oysters. No. 117,048; June 12; v. 239; p. 652.
- J. and J. Baldwin and Partners, Limited, Halifax, England. Yarns of wool, worsted, or hair. No. 116,273; Apr. 24; v. 237; p. 1213.
- J. & J. Kohn, Inc., New York, N. Y., and Chicago, Ill. Certain named furniture. No. 117,160; June 19; v. 239; p. 935.
- J. & J. Sales Company, St. Louis, Mo. Clocks and watches. No. 116,515; Feb. 20; v. 235; p. 1050.
- J. L. Hopkins & Company, New York, N. Y. Emulsifier. No. 119,713; Dec. 11; v. 245; p. 548.
- J. M. Fisher Company, Attleboro, Mass. Certain named jewelry and precious-metal ware. No. 118,965; Oct. 16; v. 243; p. 789.
- J. M. McCracken Co., Boston, Mass. Tea and coffee. No. 115,200; Jan. 30; v. 234; p. 1579.
- J. M. Robinson, Norton & Co., Louisville, Ky. Certain named clothing. No. 116,683; May 15; v. 238; p. 973.
- J. P. Eustis Manufacturing Company, Boston, Mass. Medicine-cabinets. No. 116,209; Apr. 17; v. 237; p. 913.
- J. P. Eustis Manufacturing Company, Boston, Mass. Bath-tub seats, shelf rails and brackets, robe and spray hooks. No. 116,420; May 1; v. 238; p. 306.
- J. S. Brown Merc. Co., The, Denver, Colo. Certain named foods. No. 115,936; Mar. 27; v. 236; p. 1215.
- J. S. Hoffman Company, Chicago, Ill. Cheese. Nos. 116,318-20; Apr. 24; v. 237; p. 1214.
- J. S. Hoffman Company, Chicago, Ill. Cheese. No. 119,452; Nov. 20; v. 244; p. 814.
- J. S. Reynolds & Company, Frederica, Del. Canned tomatoes. No. 119,469; Nov. 20; v. 244; p. 814.
- J. W. Goddard & Sons, Incorporated, New York, N. Y. Cotton piece goods. No. 116,307; Apr. 24; v. 237; p. 1214.
- Jablow, Jacob M., New York, N. Y. Gold and platinum chains, bracelets. No. 118,533; Sept. 18; v. 242; p. 744.
- Jacob E. Decker & Sons, Mason City, Iowa. Hams. No. 115,165; Jan. 30; v. 234; p. 1578.
- Jacobs Candy Company, Limited, New Orleans, La. Candy. No. 118,973; Oct. 16; v. 243; p. 790.
- Jacobs, W. B., Emlenton, Pa. Laxative mineral oils. No. 118,196; Aug. 21; v. 241; p. 907.
- Jacobs, Wilbert B., Emlenton, Pa. Polishing-oils. No. 116,648; May 15; v. 238; p. 977.
- Jacobus Bros. & Co., New York, N. Y. Women's and children's outer garments—viz., coats, suits, and dresses. No. 117,870; Aug. 7; v. 241; p. 295.
- Jaffe, Jacob, Far Rockaway, N. Y. Chemical coal-saving compound. No. 115,344; Feb. 6; v. 235; p. 319.
- Jamerson Clothes Shops, Inc., Philadelphia, Pa. Men's suits, coats, vests, trousers, and overcoats. No. 118,197; Aug. 21; v. 241; p. 907.
- James A. Hearn & Son, Inc., New York, N. Y. Certain named knitted, netted, and textile fabrics. No. 117,439; July 10; v. 240; p. 636.
- James A. Hearn & Son, Inc., New York, N. Y. Certain named clothing. No. 117,757; July 31; v. 240; p. 1445.
- James A. McAtee & Sons, Inc., Pittsburgh, Pa. Confectioners' powdered sugar. No. 115,979; Mar. 27; v. 236; p. 1217.
- James, Emile, New York, N. Y. Sewing-machines for stitching leather. No. 118,041; Aug. 14; v. 241; p. 617.
- James Hermiston Manufacturing Company, New York, N. Y. Paints, ready-mixed. No. 118,037; Aug. 14; v. 241; p. 617.
- James L. Taylor Mfg. Co., Poughkeepsie, N. Y. Wrenches, clamps, and clamp-carriers. No. 116,471; May 1; v. 238; p. 307.
- James Manoil Company, Inc., New York, N. Y. Phonographs. No. 115,528; Feb. 20; v. 235; p. 1050.
- James S. Kirk & Company, Chicago, Ill. Talcum, sachet, and face powders, perfume, cold-cream, toilet water. No. 117,043; June 12; v. 239; p. 651.
- James S. Kirk & Company, Chicago, Ill. Soap. No. 118,202; Aug. 21; v. 241; p. 907.
- James S. Kirk and Company, Chicago, Ill. Soap. No. 118,300; Aug. 28; v. 241; p. 1152.
- Jaquet & Maxwell, New York, N. Y. Perfumes, face and sachet powders, creams, toilet waters. No. 116,649; May 15; v. 238; p. 977.
- Javitz, Benjamin A., New York, N. Y. Booklets and circulars for advertising a collection-service. No. 117,152; June 19; v. 239; p. 935.
- Jeannette Glass Co., Jeannette, Pa. Sidewalk glass lights. No. 116,954; June 5; v. 239; p. 315.
- Jeffrey Manufacturing Co., The, Columbus, Ohio. Certain named metals and metal castings and forgings. No. 114,772; Jan. 2; v. 234; p. 370.
- Jelol Company, The, New York, N. Y. Medicinal preparation of olive-oil. No. 115,764; Mar. 6; v. 236; p. 278.
- Jenkins Bros., Elizabeth, N. J., and New York, N. Y. Metallic valves and parts thereof. No. 117,154; June 19; v. 239; p. 935.
- Jenkins, Edgar W., Chicago, Ill. Iron-cement. No. 116,650; May 15; v. 238; p. 977.
- Jenkins, William M., Dallas, Tex. Table-syrup. No. 119,724; Dec. 11; v. 245; p. 548.
- Jennings, George E., New York, N. Y. Weekly publication. No. 118,535; Sept. 18; v. 242; p. 744.
- Jensen Creamery Machinery Company, New York, N. Y. Sanitary pumps, conveyers, butter-cutters, can-washers, and churns. No. 115,191; Jan. 30; v. 234; p. 1578.
- Jensen Creamery Machinery Company, New York, N. Y. Heaters and can-driers, being essentially parts of dairy machines or equipments. No. 115,619; Feb. 27; v. 235; p. 1350.
- Jesse French and Sons Piano Company, New Castle, Ind. Pianos. Nos. 116,052-3; Apr. 3; v. 237; pp. 305-6.
- Jewell Belting Co., Hartford, Conn. Woven machinery-belting. No. 119,321; Nov. 13; v. 244; p. 559.
- Jidas Bros. & Co., J. D. Chicago, Ill. Scouring, cleaning, and polishing preparation for silver, glassware, and metal. No. 119,965; Dec. 25; v. 245; p. 1022.
- Jobbers Overall Co., Inc., Lynchburg, Va. Overalls, overall coats and pants. No. 116,433; May 1; v. 238; p. 306.
- John A. Roebling's Sons Co., Trenton, N. J. Wire rope except fiber-covered wire rope. No. 119,213; Oct. 30; v. 243; p. 1306.
- John B. Busch Brewing Co., Washington, D. C. Non-intoxicating beverage of a malt nature. No. 118,950; Oct. 16; v. 243; p. 789.
- John Bene & Sons, Inc., Brooklyn, N. Y. Peroxid. No. 118,145; Aug. 21; v. 241; p. 905.
- John Campbell & Co., Inc., New York, N. Y. Chemicals, dyestuffs, and oils used in dyeing, bleaching, and finishing. Nos. 115,837-43; Mar. 13; v. 236; p. 591.
- John Chatillon & Sons, New York, N. Y. Weighing-scales. No. 116,117; Apr. 10; v. 237; p. 617.
- John Chatillon & Sons, New York, N. Y. Weighing-scales. No. 116,401; May 1; v. 238; p. 305.
- John Chatillon & Sons, New York, N. Y. Weighing-scales. Nos. 116,592-4; May 15; v. 238; p. 975.
- John Chatillon & Sons, New York, N. Y. Weighing-scales. No. 116,883; June 5; v. 239; p. 313.
- John Chatillon & Sons, New York, N. Y. Certain named cutlery, machinery, and tools, and parts thereof. No. 119,505; Nov. 27; v. 244; p. 1081.
- John Chatillon & Sons, New York, N. Y. Butchers', bakers', grocers', confectioners', kitchen, and carving knives. Nos. 119,506-7; Nov. 27; v. 244; p. 1081.
- John F. Jelke Company, Chicago, Ill. House organ issued monthly. No. 115,089; Jan. 23; v. 234; p. 1308.
- John F. Jelke Company, Chicago, Ill. Oleomargarin. No. 115,190; Jan. 30; v. 234; p. 1578.
- John F. Jelke Company, Chicago, Ill. Oleomargarin. No. 117,153; June 19; v. 239; p. 935.
- John F. Jelke Company, Chicago, Ill. Oleomargarin. No. 117,871; Aug. 7; v. 241; p. 295.
- John F. Jelke Company, Chicago, Ill. Oleomargarin. No. 118,534; Sept. 18; v. 242; p. 744.
- John F. Oertel Company, Louisville, Ky. Non-alcoholic beverages made from barley-malt, cereals, and hops, and sold at soda-fountains as soft drink. No. 119,234; Nov. 6; v. 244; p. 287.
- John Gately Co., Chicago, Ill. Certain named clothing. No. 115,079; Jan. 23; v. 234; p. 1308.
- John Hoberg Co., The, Green Bay, Wis. Toilet-paper, paper toweling and napkins. No. 115,085; Jan. 23; v. 234; p. 1308.
- John Hoberg Co., The, Green Bay, Wis. Toilet-paper. No. 115,512; Feb. 20; v. 235; p. 1050.
- John Hoberg Co., The, Green Bay, Wis. Toilet-paper. No. 115,964; Mar. 27; v. 236; p. 1216.
- John Hoberg Co., The, Green Bay, Wis. Toilet-paper. No. 116,217; Apr. 17; v. 237; p. 913.
- John Hoberg Co., The, Green Bay, Wis. Toilet-paper, paper toweling and napkins. No. 117,324; July 3; v. 240; p. 334.
- John Hoberg Co., The, Green Bay, Wis. Toilet-paper. Nos. 117,662-3; July 24; v. 240; p. 1162.
- John Meier Shoe Company, St. Louis, Mo. Leather shoes. No. 119,747; Dec. 11; v. 245; p. 549.
- John Morrell & Co., Ottumwa, Iowa. Breakfast-bacon. No. 116,541; May 8; v. 238; p. 646.
- John Morrell & Co., Ottumwa, Iowa. Meat products—namely, breakfast-bacon. No. 116,674; May 15; v. 238; p. 973.
- John Morrell & Co., Ottumwa, Iowa. Extract of beef. No. 117,901; Aug. 7; v. 241; p. 296.
- John P. Dousman Milling Co., Depere, Wis. Wheat-flour. No. 118,759; Oct. 2; v. 243; p. 236.
- John S. Brown & Sons, Ltd., Belfast, Ireland. Cotton damask cloths, napkins, towels, sheets, &c. No. 119,226; Nov. 6; v. 244; p. 287.
- John S. Tilley Ladders Co., The, Watervliet, N. Y. Ladders. No. 116,992; June 5; v. 239; p. 316.

Alphabetical list of registrants of trade-marks—Continued.

- John Sexton & Company, Chicago, Ill. Canned fruits and vegetables. No. 115,237; Jan. 30; v. 234; p. 1580.
- John Sexton & Company, Chicago, Ill. Canned fruits, vegetables, and mince-meat. No. 119,386; Nov. 13; v. 244; p. 561.
- John T. Stanley Co. Inc., New York, N. Y. Toilet soap. No. 118,233; Aug. 21; v. 241; p. 908.
- John T. Stanley Co., Inc., New York, N. Y. Soap. No. 118,827; Oct. 2; v. 243; p. 238.
- John Thompson & Sons, L'd., Belfast, Ireland. Cereal of oats, corn, or wheat and dried and desiccated vegetables. No. 115,414; Feb. 6; v. 235; p. 321.
- John Wanamaker, Philadelphia, Philadelphia, Pa. Certain named clothing. No. 115,259; Jan. 30; v. 234; p. 1580.
- John Wanamaker, Philadelphia, Philadelphia, Pa. Corsets. No. 117,389-90; July 3; v. 240; p. 336.
- John Wanamaker, New York, New York, N. Y. Certain named knitted, netted, and textile fabrics. No. 115,705; Feb. 27; v. 235; p. 1353.
- John Wanamaker, New York, New York, N. Y. Golf-balls. Nos. 115,826-7; Mar. 6; v. 236; p. 280.
- John Wanamaker, New York, New York, N. Y. Underwaists for boys and girls. No. 116,183; Apr. 10; v. 237; p. 619.
- John Wanamaker, New York, New York, N. Y. Certain named athletic and sports clothing. No. 119,838; Dec. 11; v. 245; p. 551.
- John Wyeth & Brother, Incorporated, Philadelphia, Pa. Medicinal alternative eliminant pharmaceutical compound. No. 118,127; Aug. 14; v. 241; p. 620.
- John Wyeth & Brother Incorporated, Philadelphia, Pa. Ammonium ichthosulfonate. No. 118,609; Sept. 18; v. 242; p. 747.
- Johns-Pratt Company, The, Hartford, Conn. Inclosed fuses, inclosed-fuse cut-outs and clips, contacts, and blocks. No. 115,620; Feb. 27; v. 235; p. 1350.
- Johnsen and Kildac. (See Quevedo, José, assignor.)
- Johnson, Arthur L., Providence, R. I., and Boston, Mass. Canned sardines and clams. No. 118,785; Oct. 2; v. 243; p. 237.
- Johnson, Arthur L., Providence, R. I., and Boston, Mass. Canned sardines. No. 119,725; Dec. 11; v. 245; p. 548.
- Johnson Bros., Greenspring, Ohio. Mineral water. No. 114,889; Jan. 9; v. 234; p. 668.
- Johnson, Cowdin & Co., New York, N. Y. Ribbons. Nos. 119,726-7; Dec. 11; v. 245; p. 548.
- Johnson & Dickson, Inc., New York, N. Y. Advertising literature and other printed matter. No. 118,198; Aug. 21; v. 241; p. 907.
- Johnson Educator Food Co., Boston, Mass. Crackers and biscuits. No. 117,872; Aug. 7; v. 241; p. 295.
- Johnson, Edward E., St. Paul, Minn. Pump-rod couplings. No. 115,968; Mar. 27; v. 236; p. 1216.
- Johnson, George A., Jr., Seattle, Wash. Waterproof garments—namely, slickers, oil-cloth coats, and hats. No. 115,090; Jan. 23; v. 234; p. 1308.
- Johnson & Johnson, New Brunswick, N. J. Suspensory bandages or jock-straps. No. 117,156; June 19; v. 239; p. 935.
- Johnson & Johnson, New Brunswick, N. J. Waxen preparation used as a dressing for burns. No. 117,333; July 3; v. 240; p. 334.
- Johnson & Murray, Incorporated, Utica, N. Y. Teas and spices. No. 115,345; Feb. 6; v. 235; p. 319.
- Johnston Fruit Co., Santa Barbara, Cal. Citrus fruits. No. 119,728; Dec. 11; v. 245; p. 548.
- Johnston Glass Co., The, Hartford, Ind. Lantern-lenses. No. 119,191; Oct. 30; v. 243; p. 1306.
- Jones, Winfield, Washington, D. C. Monthly publication. No. 117,334; July 3; v. 240; p. 334.
- Jones, Wm. K., Wichita, Kans. Infants' flat and knitted underwear. No. 116,651; May 15; v. 238; p. 977.
- Jos. Loudenslager Estate, Tiffin, Ohio. Wheat-flour. No. 115,863; Feb. 6; v. 235; p. 320.
- Jos. Schlitz Brewing Co., Milwaukee, Wis. Non-alcoholic beverage sold as a soft drink. No. 116,685; May 15; v. 238; p. 973.
- Jose Lovera Company, New York, N. Y. Cigars, cheroots, and little cigars. No. 114,786; Jan. 2; v. 234; p. 370.
- Joseph, New York, N. Y. Ladies' hats, bonnets, toques, cloaks, dresses, and outer suits. No. 116,955; June 5; v. 239; p. 315.
- Joseph Burnett Co., Boston, Mass. Certain named extracts used for flavoring food. No. 116,191; Apr. 10; v. 237; p. 619.
- Joseph Dixon Crucible Company, Jersey City, N. J. Lead-pencils. Nos. 119,675-7; Dec. 11; v. 245; pp. 546-7.
- Joseph Fels Company, Chicago, Ill. Work-shirts. No. 114,734; Jan. 2; v. 234; p. 369.
- Joseph Fels Company, Chicago, Ill. Shirts and men's athletic underwear of textile material. No. 115,499; Feb. 20; v. 235; p. 1050.
- Joseph Frackman Company, Inc., New York, N. Y. Settings for precious stones. No. 116,949; June 5; v. 239; p. 315.
- Joseph G. Dill, Inc., Richmond, Va. Chewing-tobacco in plug and other forms, smoking-tobacco. No. 116,206; Apr. 17; v. 237; p. 913.
- Joseph G. Dill, Inc., Richmond, Va. Chewing and smoking tobacco. No. 116,751; May 22; v. 238; p. 1325.
- Joseph, Joseph H., New York, N. Y. Ornamental teething-rings for babies, hot-water bags, and covers for same. No. 119,729; Dec. 11; v. 245; p. 548.
- Joseph N. Elsendrath Company, The, Chicago, Ill. Leather. No. 117,429; July 10; v. 240; p. 636.
- Joseph N. Elsendrath Company, The, Chicago, Ill. Leather. No. 118,396; Sept. 4; v. 242; p. 249.
- Joseph N. Elsendrath Company, The, Chicago, Ill. Leather. No. 119,284; Nov. 13; v. 244; p. 558.
- Joseph Thorley, Limited, London, England. Substance used as food for calves. No. 115,252; Jan. 30; v. 234; p. 1580.
- Joseph Thorley, Limited, London, England. Compound used as a condiment to food for horses, cattle, poultry, &c. No. 119,928; Dec. 18; v. 245; p. 851.
- Joseph W. Woods & Sons Company, Boston, Mass. Cotton, woolen, and linen piece goods. No. 118,367; Aug. 28; v. 241; p. 1154.
- Jubilee Manufacturing Company, Omaha, Nebr. Spark-gaps for spark-plugs. No. 117,564; July 17; v. 240; p. 937.
- Judson & Aird, New York, N. Y. Floor-coverings made from felt saturated with asphaltum and coated on both surfaces. No. 115,086; Jan. 23; v. 234; p. 1308.
- Jules Levy & Bro., San Francisco, Cal. Veiling. No. 119,737; Dec. 11; v. 245; p. 548.
- Juliette Milling Co., Macon, Ga. Cornmeal. No. 114,773; Jan. 2; v. 234; p. 370.
- Juliette Milling Co., Macon, Ga. Cornmeal. No. 117,444; July 10; v. 240; p. 636.
- Julius Kalish, Inc., New York, N. Y. Aperient, laxative, and purgative. No. 118,786; Oct. 2; v. 243; p. 237.
- Julius Schmid, Incorporated, New York, N. Y. Pacifiers. No. 118,334; Aug. 28; v. 241; p. 1153.
- Kabo Corset Co., Chicago, Ill. Brassières and children's underwaists. No. 115,891; Mar. 20; v. 236; p. 885.
- Kadans, Louis, New York, N. Y. Cream-cheese. No. 119,082; Oct. 23; v. 243; p. 1061.
- Kadoolator People, Inc., The, Terre Haute, Ind. Toy cycles. No. 116,324; Apr. 24; v. 237; p. 1214.
- Kaechele, Tony W., Tracy, Minn. Embalming fluid. No. 117,874; Aug. 7; v. 241; p. 295.
- Kakarakis Brothers, Chicago, Ill. Olive-oil. No. 117,565; July 17; v. 240; p. 937.
- Kali Manufacturing Co., Philadelphia, Pa. Oil used in the treatment of textile fabrics. No. 119,322; Nov. 13; v. 244; p. 559.
- Kalina, Fred, Pittsburgh, Pa. Wine. No. 115,192; Jan. 30; v. 234; p. 1578.
- Kalo-Kain Chemical Co., Detroit, Mich. Medicinal preparation for painless dentistry operations, dispensed in ampuls. No. 117,335; July 3; v. 240; p. 334.
- Kalt-Leim-Fabrik O. Messmer, Basel, Switzerland. Glue. No. 114,803; Jan. 2; v. 234; p. 371.
- Kammerling, Max, New York, N. Y. Furniture-polishes. No. 116,652; May 15; v. 238; p. 977.
- Kametzky, David, Cleveland, Ohio. Title or heading of a column of humorous matter in a periodical publication. No. 118,416; Sept. 4; v. 242; p. 250.
- Kansas City Refining Sales Co., Kansas City, Kans. Gasoline and kerosene. No. 119,898; Dec. 18; v. 245; p. 840.
- Kansas Flour Mills Company, The, Wichita and Kansas City, Kans. Wheat-flour. No. 117,875; Aug. 7; v. 241; p. 295.
- Kaplan Bros., New York, N. Y. Men's trousers and boys suits and trousers. No. 114,975; Jan. 16; v. 234; p. 1041.
- Kaplan, Martin, New York, N. Y. Shampoos and corn remedies. No. 115,346; Feb. 6; v. 235; p. 319.
- Karatol Laboratories, Binghamton, N. Y. Toilet preparation—namely, a hair-tonic. No. 118,667; Sept. 25; v. 242; p. 988.
- Karr, Charles D., Holland, Mich. Poultry-feeders. No. 118,537; Sept. 18; v. 242; p. 744.
- Kasai, Kanichiro, New York, N. Y. Tooth, nail, hair, clothes, &c., brushes. No. 117,566; July 17; v. 240; p. 936.
- Katama Mills, Boston, Mass. Cotton duck and bagging, tire fabric, canvas, sail and tent cloths. No. 118,417; Sept. 4; v. 242; p. 250.
- Kaufmann Bros. & Bondy, New York, N. Y. Pipes, cigar and cigarette holders. No. 115,347; Feb. 6; v. 235; p. 319.
- Kaufmann Bros. & Bondy, New York, N. Y. Pipes, cigar and cigarette holders, tobacco-pouches, cigarette-papers, and pipe-cases. No. 118,883; Oct. 9; v. 243; p. 520.
- Kaut-Reith Shoe Company, The, Carthage, Mo. Boots and shoes of kid, leather, and canvas. No. 115,621; Feb. 27; v. 235; p. 1350.
- Kaut-Reith Shoe Company, The, Carthage, Mo. Boots and shoes of kid, leather, bearskin, and canvas. No. 117,445; July 10; v. 240; p. 636.
- Kawakami, Yasutaro, Seattle, Wash. Table sauce to be used with meats, cutlets, shell-fish, soups, sauces, salads. No. 118,884; Oct. 9; v. 243; p. 520.
- Kay, Allan M., Vancouver, Wash. Preparation for the treatment of certain named diseases. No. 119,543; Nov. 27; v. 244; p. 1083.
- Keeley-Handy Syndicate, The, Chicago, Ill. Certain named motion-picture films. No. 118,042; Aug. 14; v. 241; p. 617.
- Keen Kleener Manufacturing Company, Ottawa, Ill. Cleaning and scouring preparation. No. 118,538; Sept. 18; v. 242; p. 744.
- Keen Robinson and Company Limited, London, England. Groats. No. 115,765; Mar. 6; v. 236; p. 278.

- Keen, Robinson & Company Limited, London, England. Prepared barley. No. 115,969; Mar. 27; v. 236; p. 1216.
- Keeton, John P., Atlanta, Ga. Cotton-seed meal. No. 115,193; Jan. 30; v. 234; p. 1578.
- Kehl & Co., Charles H., Philadelphia, Pa. Powder for cleaning eyeglasses, goggles, &c. No. 116,142; Apr. 10; v. 237; p. 618.
- Kehlour Flour Mills Co., St. Louis, Mo. Wheat and self-rising flours. No. 117,446; July 10; v. 240; p. 636.
- Kehlour Flour Mills Company, St. Louis, Mo. Wheat-flour. No. 117,668; July 24; v. 240; p. 1162.
- Keitel, Rudolph, Chicago, Ill. Trade journal and market-paper issued triweekly. No. 118,199; Aug. 21 v. 241; p. 907.
- Keith Paper Company, Turners Falls, Mass. Writing and printing papers. No. 115,970; Mar. 27; v. 236; p. 1210.
- Keller, Ermina J., Chicago, Ill. Dental cements, dental alloys. No. 119,323; Nov. 13; v. 244; p. 559.
- Keller Mechanical Engraving Company, Brooklyn, N. Y. Steel and brass dies. No. 116,064; Apr. 3; v. 237; p. 306.
- Kelley-Clarke Co., Seattle, Wash. Canned salmon. No. 117,157; June 19; v. 239; p. 935.
- Kelley-Clarke Co., Seattle, Tacoma, and Spokane, Wash.; Portland, Oreg.; San Francisco and Los Angeles, Cal.; Boise, Idaho; Vancouver, Canada, and New York, N. Y. Weekly and monthly publications. No. 118,539; Sept. 18; v. 242; p. 745.
- Kelley, Franklin J., San Francisco, Cal. Surface cleaner and polish for automobile-bodies and other enameled surfaces. No. 118,974; Oct. 16; v. 243; p. 790.
- Kelley & Sons, B. L., Lancaster, Ky. Tobacco-seed. No. 117,876; Aug. 7; v. 241; p. 295.
- Kelley, William J., assignor to The N. K. Fairbank Company, Chicago, Ill. Shaving cream, powder, and stick. No. 117,158; June 19; v. 239; p. 935.
- Kellie, Edward F., Springfield, Ill. Cement and mortar. No. 117,877; Aug. 7; v. 241; p. 295.
- Kellogg Toasted Corn Flake Co., Battle Creek, Mich. Candies and confections. No. 115,348; Feb. 6; v. 235; p. 319.
- Kellogg Toasted Corn Flake Company, Battle Creek, Mich. Drug specifically described as soda mints. No. 115,622; Feb. 27; v. 235; p. 1350.
- Kellogg Toasted Corn Flake Co., Battle Creek, Mich. Soap. Nos. 118,668-9; Sept. 25; v. 242; p. 988.
- Kellogg Toasted Corn Flake Co., Battle Creek, Mich. Cigars. No. 119,192; Oct. 30; v. 243; p. 1306.
- Kellogg Toasted Corn Flake Company, Battle Creek, Mich. A tapioca product made from corn. No. 119,324; Nov. 13; v. 244; p. 559.
- Kelly Axe Manufacturing Company, Charleston, W. Va. Axes, hatchets, scythes, hammers, and handles for axes, &c. No. 119,899; Dec. 18; v. 245; p. 840.
- Kelly, Richard, New York, N. Y. Oil, ready-mixed, cold-water, and dry paints, varnishes, paint-oils. No. 118,043; Aug. 14; v. 241; p. 617.
- Kelly, Richard, New York, N. Y. Felt, asphalt, composition, asbestos, and asbestos slate roofings. No. 118,200; Aug. 21; v. 241; p. 904.
- Kelsey, Adeline D. H., Westdale, N. Y. Certain named pharmaceutical preparations for external use. No. 119,900; Dec. 18; v. 245; p. 840.
- Kemoshyne Manufacturing Company, Inc., Rochester, N. Y. Piano and furniture and automobile-body polishes. No. 115,517; Feb. 20; v. 235; p. 1050.
- Kemp, George W., Muncie, Ind. Gasolene-engines. No. 118,044; Aug. 14; v. 241; p. 617.
- Kemper, Ethel V., Chicago, Ill. Newspaper-section. No. 115,349; Feb. 6; v. 235; p. 319.
- Kemper-Fair Milling Company, Tonganoxie, Kans. Wheat-flour. No. 117,669; July 24; v. 240; p. 1162.
- Kendall, Henry E., Shelby, N. C. Preparation for the treatment of rheumatism, ailments of the kidneys, back-ache, and excess of uric acid. No. 119,544; Nov. 27; v. 244; p. 1083.
- Kentucky Corrugated Paper Company, Louisville, Ky. Corrugated-paper table-mats. No. 116,065; Apr. 3; v. 237; p. 306.
- Kentucky Lithograph Stone Co., Louisville, Ky. Crushed-limestone chicken-grit. No. 118,540; Sept. 18; v. 242; p. 745.
- Kentucky Lithograph Stone Co., Louisville, Ky. Agricultural ground limestone. No. 118,885; Oct. 9; v. 243; p. 520.
- Kentucky Wagon Manufacturing Co., Louisville, Ky. Lime and fertilizer sowers, manure-spreaders. No. 115,623; Feb. 27; v. 235; p. 1350.
- Kentucky Wagon Manufacturing Co., Louisville, Ky. Gasolene-trucks. No. 117,447; July 10; v. 240; p. 636.
- Kermex Medicated Earth Co., Walla Walla, Wash. Medical compound for the treatment of certain named affections. No. 118,048; Aug. 14; v. 241; p. 617.
- Kerosene Motor Appliance Company, New York, N. Y. Carbureting and gasifying apparatus for internal-combustion engines. No. 119,545; Nov. 27; v. 244; p. 1083.
- Kerosene Motor Co., The, Peoria, Ill. Manifolds, carbureters, air-filters, and internal-combustion motors. No. 118,045; Aug. 14; v. 241; p. 617.
- Kervan, Charles, New York, N. Y. Odorless kerosene used as a hair-dressing and dandruff-remover. No. 116,526; May 8; v. 238; p. 646.
- Kettle River Company, The, Minneapolis, Minn. Preservative for impregnating wood. Nos. 118,046-7; Aug. 14; v. 241; p. 617.
- Kettle River Company, The, Minneapolis, Minn. Preservative for impregnating wood. No. 119,325; Nov. 13; v. 244; p. 559.
- Keystone Rubber Manufacturing Company, Erie, Pa. Inner tubes, liners and patches for the same. No. 116,769; May 22; v. 238; p. 1326.
- Keystone Rubber Manufacturing Company, Erie, Pa. Rubber tires, inner tubes, liners, and patches for the same. No. 119,193; Oct. 30; v. 243; p. 1306.
- Keystone Snap Fastener Corporation, Philadelphia, Pa. Snap-fasteners. Nos. 117,878-9; Aug. 7; v. 241; p. 295.
- Keystone Varnish Company, Brooklyn, N. Y. Enamel paints. Nos. 115,625-6; Feb. 27; v. 235; p. 1350.
- Keystone Varnish Company, Brooklyn, N. Y. Enamel paints and varnish. No. 118,049; Aug. 14; v. 241; p. 617.
- Keystone Watch Case Company, The, Philadelphia, Pa. Watches, watchcases, watch-movements, and parts thereof. Nos. 115,518-20; Feb. 20; v. 235; p. 1050.
- Kibbe Bros. Company, Springfield, Mass. Candy, particularly caramel candy. No. 114,774; Jan. 2; v. 234; p. 370.
- Kibbe Bros. Company, Springfield, Mass. Candy, particularly chocolates. No. 115,350; Feb. 6; v. 235; p. 319.
- Kibbe Bros. Company, Springfield, Mass. Candy, particularly caramel candy. Nos. 115,627-32; Feb. 27; v. 235; pp. 1350-1.
- Kidder, Rowe E., Kansas City, Mo. Wheat-flour. No. 119,084; Oct. 23; v. 243; p. 1061.
- Kienzie, Herbert, New York, N. Y. Lamps of electric form. No. 114,775; Jan. 2; v. 234; p. 370.
- Kil-Grece Company, St. Paul, Minn. Paste for cleansing the hands, fabrics, pots and pans, and for the laundry and bathing. No. 115,521; Feb. 20; v. 235; p. 1050.
- Killark Electric Mfg. Co., St. Louis, Mo. Fuses, bell-ringing transformers, and conduit-fittings. No. 119,901; Dec. 18; v. 245; p. 840.
- Kimball, Frank W., Boston, Mass. Lubricating-oil. No. 117,336; July 3; v. 240; p. 334.
- Kimble Glass Co., Chicago, Ill. Beakers, flasks, and other glass containers. No. 117,670; July 24; v. 240; p. 1162.
- Kimble Glass Co., Chicago, Ill. Beakers, flasks, and other glass containers. No. 117,764; July 31; v. 240; p. 1446.
- Kind, Benjamin, Baltimore, Md. Remedy for rheumatism, in powder form. No. 119,546; Nov. 27; v. 244; p. 1083.
- King & Applebaum, New York, N. Y. Certain named clothing for women, misses, and children. No. 116,847; May 29; v. 238; p. 1636.
- King Cotton Mills Corporation, Richmond, Va. Hosiery-yarns. No. 118,201; Aug. 21; v. 241; p. 907.
- King Features Syndicate, Inc., New York, N. Y. Newspaper-section. No. 118,975; Oct. 16; v. 243; p. 790.
- King, W. A., Brownsville, Tex. Live animals, birds, and reptiles not intended for food. No. 117,881; Aug. 7; v. 241; p. 295.
- Kingan & Company, Limited, Belfast, Ireland, and Indianapolis, Ind. Fresh, cured, cooked, canned, and salted meats, sausages, lard, oleomargarin. No. 115,766; Mar. 6; v. 236; p. 278.
- Kingsbery Manufacturing Co., Fort Worth, Tex. Overalls, jumpers, trousers, and boys' overalls. Nos. 115,633-4; Feb. 27; v. 235; p. 1351.
- Kingsport Extract Corporation, Kingsport, Tenn. Extracts derived from chestnut woods. No. 115,635; Feb. 27; v. 235; p. 1351.
- Kinloch, Elinor L., Chelsea, London, England. Certain named household furniture. No. 117,159; June 19; v. 239; p. 935.
- Kinney Brothers, Binghamton, N. Y. Oleomargarin. No. 119,730; Dec. 11; v. 245; p. 548.
- Kintha Manufacturing Company, Buffalo, N. Y. Preparation for the removal of freckles. No. 119,326; Nov. 13; v. 244; p. 559.
- Kipp & Son, Geo., Baltimore, Md. Leather. No. 117,449; July 10; v. 240; p. 636.
- Kirchner, Louis W., Baltimore, Md. Remedy for certain named affections and diseases. No. 116,527; May 8; v. 238; p. 646.
- Kirk, Harry L., Lynchburg, Va. Hand flash-lights. No. 119,085; Oct. 23; v. 243; p. 1061.
- Kirkland Distributing Company, The, Columbia, S. C. Wheat-flour. No. 115,091; Jan. 23; v. 234; p. 1308.
- Kirkman Engineering Corporation, New York, N. Y. Cartridge and plug fuses for electrical purposes. No. 118,671; Sept. 25; v. 242; p. 988.
- Kirkpatrick, Andrew, New York, N. Y. Carbureters. No. 115,767; Mar. 6; v. 236; p. 278.
- Kirsten, Ernst, Oakland, Cal. Canned sardines. No. 117,882; Aug. 7; v. 241; p. 295.
- Kirtley, George G., Van Horn, Tex. Crushed granitized stone used as an aggregate and as a finish in concrete and cement construction. No. 115,522; Feb. 20; v. 235; p. 1050.
- Klabenes, Marie, Leigh, Nebr. Remedy for cholera affecting cattle and fowl. No. 116,528; May 8; v. 238; p. 646.

Alphabetical list of registrants of trade-marks—Continued.

- Klauber Bros. & Co., New York, N. Y. Piece goods of wool, cotton, linen, silk, and combinations thereof. No. 116,434; May 1; v. 238; p. 306.
- Klauber Wangelheim Co., San Diego, Cal. Canned fruits and vegetables. No. 119,731; Dec. 11; v. 245; p. 548.
- Klein, Benjamin F., Cleveland, Ohio. Gas and combination lighting-fixtures and parts for same. No. 114,976; Jan. 16; v. 234; p. 1041.
- Klein, Benjamin F., Cleveland, Ohio. Electric-lighting fixtures and certain named parts for same. No. 116,222; Apr. 17; v. 237; p. 913.
- Klein, Mme. P., New York, N. Y. Corsets. No. 115,194; Jan. 30; v. 234; p. 1578.
- Klever Pictures, Inc., New York, N. Y. Moving-picture films. No. 116,143; Apr. 10; v. 237; p. 618.
- Kling Bros. & Co., Chicago, Ill. Men's coats and trousers. No. 117,765; July 31; v. 240; p. 1446.
- Kling Bros. & Co., Chicago, Ill. Rain-coats. No. 118,887; Oct. 9; v. 243; p. 520.
- Klorfein, Julius, New York, N. Y. Cigars. No. 119,732; Dec. 11; v. 245; p. 548.
- Klotz, Frederick C., Louisville, Ky. Cornmeal and milk. No. 114,776; Jan. 2; v. 234; p. 370.
- Knight, A. Hillborn, Philadelphia, Pa. Water-paint. No. 116,848; May 29; v. 238; p. 1636.
- Knoll, William A., Berwick, N. D. Stomach, liver, and bowel remedy. No. 115,351; Feb. 6; v. 235; p. 319.
- Kuott, Eustace R., Chelsea, Mass. Popcorn confections. No. 117,450; July 10; v. 240; p. 636.
- Kohl, Hermann J., New York, N. Y. Spot-remover in the nature of a soap. No. 117,672; July 24; v. 240; p. 1162.
- Kohler Co., Kohler, Wis. Lavatories. No. 116,066; Apr. 3; v. 237; p. 306.
- Kohler Co., Kohler, Wis. Lavatories. No. 118,788; Oct. 2; v. 243; p. 237.
- Kohler-Liebich Co., The, Chicago, Ill. Musical chimes and bells. No. 117,673; July 24; v. 240; p. 1162.
- Konishi, Koji, Nakabashi, Tokyo, Japan. Watch-glass. No. 118,542; Sept. 18; v. 242; p. 745.
- Kopff, William, New York, N. Y. Perfumes. No. 119,902; Dec. 18; v. 245; p. 840.
- Kops Bros., New York, N. Y. Apparel-corsets. No. 115,092; Jan. 23; v. 234; p. 1308.
- Kops Bros., New York, N. Y. Apparel-corsets, corsets, corset covers and waists. No. 116,144; Apr. 10; v. 237; p. 618.
- Kops Bros., New York, N. Y. Brassières, ladies' under-waists, and corsets. No. 118,051; Aug. 14; v. 241; p. 617.
- Korbach, William, Hoboken, N. J., assignor to Gem Metal Polish Co. Metal-polish. No. 115,636; Feb. 27; v. 235; p. 1351.
- Korn, Harold, New York, N. Y. Certain named toilet preparation. No. 116,770; May 22; v. 238; p. 1326.
- Kornau, Bruno, New York, N. Y. A salve for the treatment of boils, carbuncles, and the like. No. 119,548; Nov. 27; v. 244; p. 1083.
- Korssell, Claus F. P., Chicago, Ill. Non-alcoholic beverages put up in bottles, kegs, and barrels. No. 114,891; Jan. 9; v. 234; p. 668.
- Körting & Mathiesen Aktiengesellschaft, Leutzsch, near Leipzig, Germany. Arc and electric lamps, their accessories and supplies. No. 116,775; May 22; v. 238; p. 1326.
- Koutroulos, Nicholas, New York, N. Y. Brandies. No. 118,203; Aug. 21; v. 241; p. 907.
- Kovacs Brothers, Mount Pleasant, Pa. Medicinal tonics for weak, nervous, anemic, headachy, old, and run-down people. No. 117,674; July 24; v. 240; p. 1162.
- Kovacs, Daniel, Duquesne, Pa. Remedy for constipation, colic. No. 118,672; Sept. 25; v. 242; p. 988.
- Kovacs, Koloman, Duquesne, Pa. Remedies for certain named diseases and ailments. No. 115,972; Mar. 27; v. 236; p. 1216.
- Kovar Company, Inc., The, New York, N. Y. Ladies' silk undergarments. No. 117,337; July 3; v. 240; p. 334.
- Krall, Richard H., Camden, N. J. Refrigerators. No. 118,789; Oct. 2; v. 243; p. 237.
- Kramm, Harry D., Indianapolis, Ind. Aluminum alloys. No. 114,777; Jan. 2; v. 234; p. 370.
- Kranich & Bach, New York, N. Y. Pianos. No. 118,790; Oct. 2; v. 243; p. 237.
- Kreeger Store, Incorporated, The, New Orleans, La. Corsets. No. 119,086; Oct. 23; v. 243; p. 1061.
- Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Canned foods. No. 118,791; Oct. 2; v. 243; p. 237.
- Kronberger's Polyglot Pharmacy, San Francisco, Cal. A preparation for the treatment of the nervous system. No. 119,327; Nov. 13; v. 244; p. 559.
- Kroneberger & Co., C. H., Baltimore, Md. Ground and whole-bean coffees. No. 115,769; Mar. 6; v. 236; p. 278.
- Krouser, Gust, Parsons, Pa. Preparation for the treatment of diarrhea and dysentery. No. 117,044; June 12; v. 239; p. 651.
- Krueger, Herman, Chicago, Ill. A polish for cleaning, polishing, and renewing furniture, &c. No. 119,549; Nov. 27; v. 244; p. 1083.
- Kruger, Conrad A., Jr., Hays, Kans. Foot-powders. No. 119,328; Nov. 13; v. 244; p. 559.
- Krusen & Son, George C., Philadelphia, Pa. Soap. No. 119,329; Nov. 13; v. 244; p. 559.
- Krusius Brothers, New York, N. Y. Razors. No. 114,778; Jan. 2; v. 234; p. 370.
- Kuehnrich, P. Max, Los Angeles, Cal. Calcium salts. No. 114,779; Jan. 2; v. 234; p. 370.
- Kuehnrich, P. Max, Los Angeles, Cal. Certain named foods. Nos. 115,770-2; Mar. 6; v. 236; p. 278.
- Kuehnrich, P. Max, Los Angeles, Cal. Calcium salts. Nos. 116,529-31; May 8; v. 238; p. 646.
- Kuhmarker Manufacturing Company, New York, N. Y. Waxed wrapping-paper. No. 118,543; Sept. 18; v. 242; p. 745.
- Kursheedt Apron Co., The E. B., Brooklyn, N. Y. Aprons. No. 118,859; Oct. 9; v. 243; p. 520.
- Kuttner & Siegel, Inc., Pleasantville, N. Y. Knitted and textile underwear and sweaters. No. 115,093; Jan. 23; v. 234; p. 1308.
- L. Candee & Company, New Haven, Conn. Rubber boots and shoes. No. 116,939; June 5; v. 239; p. 315.
- L. Frank & Son Co., Milwaukee, Wis. Certain named canned goods. No. 116,424; May 1; v. 238; p. 306.
- L. C. Blancke Co. Inc., New York, N. Y. Steel. No. 117,513; July 17; v. 240; p. 935.
- L. C. Blancke Co. Inc., New York, N. Y. Steel. No. 117,983; Aug. 14; v. 241; p. 615.
- L. C. Blancke Co. Inc., New York, N. Y. Hacksaw-blades. No. 118,621; Sept. 25; v. 242; p. 987.
- L. F. Robertson & Sons, New York, N. Y. Calf, elk, and side upper-leather. No. 115,666; Feb. 27; v. 235; p. 1352.
- L. F. Wanner Co. Inc., New York, N. Y. Knitted fabrics in the piece. No. 116,384; Apr. 24; v. 237; p. 1216.
- L. F. Wanner Co., Inc., New York, N. Y. Overcoats. No. 119,839; Dec. 11; v. 245; p. 551.
- L. J. Muttly Company, Boston, Mass. Waterproofed textile fabrics for tops, curtains, and upholstery for automobiles and other motor-vehicles. No. 117,902; Aug. 7; v. 241; p. 296.
- La Crosse Tractor Company. (See Happy Farmer Tractor Co., The, assignor.)
- La Favorite Rubber Manufacturing Co., Paterson, N. J. Sheet and piston packings, gaskets composed of or containing rubber. No. 118,544; Sept. 18; v. 242; p. 745.
- La Guardias and Company, New York, N. Y. Hair-tonic. No. 115,773; Mar. 6; v. 236; p. 278.
- La Haye, Emilie, New York, N. Y. Tinting silk underwear, crêpe de chine, Georgette crêpe, and silk blouses. No. 117,883; Aug. 7; v. 241; p. 295.
- La Manna, Azema & Farnau, New York, N. Y. Canned sardines. No. 115,774; Mar. 6; v. 236; p. 278.
- La Salle Paper Co., South Bend, Ind. Wrapping and packing paper. No. 119,733; Dec. 11; v. 245; p. 548.
- Laboratory Supply Co., The, Columbus, Ohio. Certain named chemical and scientific laboratory appliances. No. 117,569; July 17; v. 240; p. 937.
- Lack Manufacturing Company, New York, N. Y. Cotton and mercerized textile fabrics in the piece. No. 117,451; July 10; v. 240; p. 636.
- Lake, Fred O., Washington, D. C. Outfits for vulcanizing rubber tires. No. 118,418; Sept. 4; v. 242; p. 250.
- Lambdin, H. S., Peru, Kans. Ointment for skin eruptions. No. 116,224; Apr. 17; v. 237; p. 914.
- Lambert Pharmacal Company, St. Louis, Mo. Toilet creams. No. 117,884; Aug. 7; v. 241; p. 295.
- Lambert Pharmacal Company, St. Louis, Mo. Tooth-paste. No. 118,052; Aug. 14; v. 241; p. 617.
- Lambertville Rubber Company, Lambertville, N. J. Rubber boots and shoes. No. 115,892; Mar. 20; v. 236; p. 885.
- Lancaster Polish & Paste Co., The, Lancaster, Ohio. Polish for varnished, japanned, enameled, lacquered, and painted surfaces. No. 119,550; Nov. 27; v. 244; p. 1083.
- Lance, Shields D., Troy, Ohio. Powder used as a remedy for piles. No. 116,532; May 8; v. 238; p. 646.
- Landauer, Jerome R., Chicago, Ill. Gasoline-improvers or preparations for augmenting the energy of motor-fuels. No. 115,094; Jan. 23; v. 234; p. 1308.
- Landers, Frary & Clark, New Britain, Conn. Table-knives, knives, and fruit-knives of base metal. No. 114,780; Jan. 2; v. 234; p. 370.
- Landers, Frary & Clark, New Britain, Conn. Certain named articles having parts plated with precious metal. No. 114,892; Jan. 9; v. 234; p. 668.
- Landers, Frary & Clark, New Britain, Conn. Forks, spoons, cheese-scoops, &c., made of base metal. No. 116,850; May 29; v. 238; p. 1636.
- Landers, Frary & Clark, New Britain, Conn. Certain named electrical apparatus and supplies. No. 117,163; June 19; v. 239; p. 935.
- Landers, Frary & Clark, New Britain, Conn. Certain named cutlery. No. 117,338; July 3; v. 240; p. 334.
- Landers, Frary & Clark, New Britain, Conn. Alloy of base metal. No. 118,675; Sept. 25; v. 242; p. 989.
- Landgren, Ellis, Grand Rapids, Mich. Automobiles. No. 115,352; Feb. 6; v. 235; p. 319.
- Landwehr, H. A., Los Angeles, Cal. Certain named standards, poles, piling, brick, blocks, and tiles. No. 116,326; Apr. 24; v. 237; p. 1214.
- Lang, Gerhard, Buffalo, N. Y. Fresh, smoked, and salted meats and lard. No. 115,195; Jan. 30; v. 234; p. 1578.

- Lange Canning Co., Eau Claire, Wis. Canned vegetables and sauerkraut. No. 116,327; Apr. 24; v. 237; p. 1215.
- Lange Canning Co., Eau Claire, Wis. Canned fruits and vegetables. No. 116,533; May 8; v. 238; p. 646.
- Lange, Frederick W., Ensley, Ala. Ice-cream, condensed milk, milk powder, butter, cheese, &c. No. 117,164; June 19; v. 239; p. 935.
- Lange & Janke Mfg. Co., Milwaukee, Wis. Leather shoes. No. 115,452; Feb. 13; v. 235; p. 691.
- Langenberg Milling Company, Republic, Mo. Wheat-flour. Nos. 118,545-6; Sept. 18; v. 242; p. 745.
- Lapin and Calchuff, Philadelphia, Pa. Certain abrasive, detergent, and polishing material. No. 118,976; Oct. 16; v. 243; p. 790.
- Larabee Flour Mills Corporation, The, Hutchinson, Kans. Wheat-flour. No. 116,328; Apr. 24; v. 237; p. 1215.
- Larabee Flour Mills Corporation, The, Hutchinson, Kans. Wheat-flour. No. 116,654; May 15; v. 238; p. 977.
- Larivière and Jourdain, Lowell, Mass. Tonic for the hair. No. 114,893; Jan. 9; v. 234; p. 668.
- Larsen, Harold G., Chicago, Ill. Compound when applied to any pane of glass prevents fogging, steaming, or sweating. No. 114,781; Jan. 2; v. 234; p. 370.
- Larsen & Jensen, Seattle, Wash. Boots and shoes made of canvas. No. 119,087; Oct. 23; v. 243; p. 1061.
- Larson, David C., New York, N. Y. Electric relays, magnets, switches, motors, &c. No. 115,196; Jan. 30; v. 234; p. 1578.
- Larson, Joseph H., Detroit, Mich. Castoria. No. 119,088; Oct. 23; v. 243; p. 1061.
- Lasso Specialty Co., Chicago, Ill. Alcoholic bitters, cordials, and tonics, cognac, and ginger and brandy. No. 119,457; Nov. 20; v. 244; p. 814.
- Latrobe Electric Steel Company, Latrobe borough, Pa. Steel. No. 119,089; Oct. 23; v. 243; p. 1061.
- Latta, Elbert J., Lincoln, Nebr. Medical remedy for syphilis. No. 116,851; May 29; v. 238; p. 1636.
- Lauderbach-Barber Co., Phillipsburg, Pa. Wheat-flour. No. 116,435; May 1; v. 238; p. 306.
- Lautz Bros. & Co., Buffalo, N. Y. Soap. No. 115,973; Mar. 27; v. 236; p. 1217.
- Lautz Bros. & Co., Buffalo, N. Y. Soap. No. 117,339; July 3; v. 240; p. 334.
- Lawrenceburg Roller Mills Co., Lawrenceburg, Ind. Wheat-flour. No. 119,967; Dec. 25; v. 245; p. 1022.
- Lawson & Company, Incorporated, New York, N. Y. Certain named cutlery, machinery, and tools, and parts thereof. No. 118,676; Sept. 25; v. 242; p. 989.
- Lawyer, William M., Syracuse, N. Y. Belt-dressing. No. 115,095; Jan. 23; v. 234; p. 1308.
- Lax & Burghimer, Inc., New York, N. Y. Knitted underwear in one and two piece garments. No. 114,894; Jan. 9; v. 234; p. 668.
- Lazell Perfumer, Newburgh, N. Y. Certain named pharmaceutical preparations. No. 119,090; Oct. 23; v. 243; p. 1061.
- Le Baron, Clyde L., Valley Ford, Cal. Evaporated milk. No. 119,734; Dec. 11; v. 245; p. 548.
- Le Count, Frank A., Springfield, Mass. Polishing-cloth for gold and silver. No. 116,145; Apr. 10; v. 237; p. 618.
- Le Faivre, Avila J., Clayton, N. Y. Medicine for asthma and bronchial trouble. No. 116,330; Apr. 24; v. 237; p. 1215.
- Le Faivre, Avila J., Clayton, N. Y. Remedy for treating asthma and bronchial trouble. No. 117,675; July 24; v. 240; p. 1162.
- Leach, Edmund B., Chula Vista, Cal. Oranges, lemons, and grape-fruit. No. 118,977; Oct. 16; v. 243; p. 790.
- Lebanon Machine Company, The, Lebanon, N. H. Bits. No. 114,988; Jan. 16; v. 234; p. 1041.
- Lee Broom & Duster Company, Lincoln, Nebr. Brooms. Nos. 114,989-91; Jan. 16; v. 234; p. 1041.
- Lee Broom & Duster Company, Lincoln, Nebr. Brooms. No. 119,735; Dec. 11; v. 245; p. 548.
- Lee County Packing Company, Fort Myers, Fla. Citrus fruits. No. 116,067; Apr. 3; v. 237; p. 306.
- Lee Tire & Rubber Co., Whitmarsh township, Montgomery county, Pa. Inner tubes. No. 115,355; Feb. 6; v. 235; p. 319.
- Legalite Corporation, The, Boston, Mass. Lenses for headlights. No. 116,225; Apr. 17; v. 237; p. 914.
- Lehigh Coke Company, South Bethlehem, Pa., and New York, N. Y. Coke. No. 114,895; Jan. 9; v. 234; p. 668.
- Lehigh & Wilkes Barre Coal Co., Wilkes-Barre, Pa. Anthracite coal. No. 115,197; Jan. 30; v. 234; p. 1578.
- Lehman Bros. Inc., New York, N. Y. Chemises made of woven material. No. 116,904; June 5; v. 239; p. 314.
- Leibbrandt, Bertha, San Francisco, Cal. Bread and a germinated breakfast food. No. 117,886; Aug. 7; v. 241; p. 295.
- Leist, Jean I., Brooklyn, N. Y. Shoe-dressing. No. 116,331; Apr. 24; v. 237; p. 1215.
- Lemohn, Bernhard, New York, N. Y. Powder for dandruff. No. 115,356; Feb. 6; v. 235; p. 319.
- Lemon, Arthur H., Chicago, Ill. Babbitt metal. No. 115,637; Feb. 27; v. 235; p. 1351.
- Lemonola Manufacturing Company, Reno, Nev., and San Francisco, Cal. Flavoring for pies and cakes. No. 117,887; Aug. 7; v. 241; p. 295.
- Lenich, L. Ray, Union City, Ind. Certain named hardware and plumbing and steam-fitting supplies. No. 119,607; Dec. 4; v. 245; p. 275.
- Lenox, Incorporated, Trenton, N. J. Undecorated tableware of porcelain and earthenware. No. 118,204; Aug. 21; v. 241; p. 907.
- Lenox Incorporated, Trenton, N. J. Decorated tableware of porcelain and earthenware. No. 119,736; Dec. 11; v. 245; p. 548.
- Leopold, Solomon & Eisendrath, Chicago, Ill. Coats, trousers, and vests. No. 118,890; Oct. 9; v. 243; p. 520.
- Lerman, Alexander, Philadelphia, Pa. Rye-flour. No. 117,165; June 19; v. 239; p. 935.
- Lerman, Alexander, Philadelphia, Pa. Wheat-flour. No. 118,419; Sept. 4; v. 242; p. 250.
- Leshor, Whitman & Co., Inc., New York, N. Y. Piece goods with cotton warp and filling of wool, mohair, or alpaca. No. 115,638; Feb. 27; v. 235; p. 1351.
- Leshor, Whitman & Co., Inc., New York, N. Y. Certain named piece goods and dress fabrics. No. 115,975; Mar. 27; v. 236; p. 1217.
- Leshor, Whitman & Co., Inc., New York, N. Y. Certain knitted, netted, and textile fabrics. No. 117,045; June 12; v. 239; p. 651.
- Leshor, Whitman & Co., Inc., New York, N. Y. Dress fabric with cotton warp and filling of certain materials, either alone or combined. No. 117,340; July 3; v. 240; p. 334.
- Leslie Company, The, Lyndhurst, N. J. Machine parts—viz., couplings and nuts. No. 115,198; Jan. 30; v. 234; p. 1579.
- Levi, Charles L., Philadelphia, Pa. Men's dress and negligee shirts. No. 114,992; Jan. 16; v. 234; p. 1041.
- Levi Strauss & Co., San Francisco, Cal. Overalls. No. 119,816; Dec. 11; v. 245; p. 551.
- Levin, Emanuel J., New York, N. Y. Rompers or playsuits for children. No. 115,893; Mar. 20; v. 236; p. 885.
- Levy, Bany, Brooklyn, N. Y. Canned goods. No. 119,091; Oct. 23; v. 243; p. 1061.
- Levy, Bany, Brooklyn, N. Y. Certain named foods. No. 119,092; Oct. 23; v. 243; p. 1061.
- Levy, Sarah, New York, N. Y. Dandruff remedy and hair-restorer. No. 114,993; Jan. 16; v. 234; p. 1041.
- Lewey, Mary, New York, N. Y. Freckles, blackheads, and similar diseases of the skin. No. 115,976; Mar. 27; v. 236; p. 1217.
- Lewis, Florence N., New York, N. Y. Face and massage creams. No. 117,888; Aug. 7; v. 241; p. 295.
- Lewis, John, Iron River, Mich. Preparation for the treatment of rheumatism. No. 116,905; June 5; v. 239; p. 314.
- Lewis-Leopold Skirt Co., The, New York, N. Y. Petticoats. No. 119,330; Nov. 13; v. 244; p. 559.
- Lewis, Mearns Company, Boston, Mass. Butter, cheese, and eggs. No. 117,889; Aug. 7; v. 241; p. 295.
- Lewis-Shepard Company, Boston, Mass. Elevating-trucks. No. 119,194; Oct. 30; v. 243; p. 1306.
- Lewis-Shepard Company, Boston, Mass. Industrial elevating-trucks. No. 119,331; Nov. 13; v. 244; p. 559.
- Lexington Brewing Company, Lexington, Ky. Non-alcoholic beverage, a soft drink. No. 115,639; Feb. 27; v. 235; p. 1351.
- Lexington Brewing Company, Lexington, Ky. Non-alcoholic beverages for soft drinks. No. 119,738; Dec. 11; v. 245; p. 548.
- Lexington Mill & Elevator Co., Lexington, Nebr. Wheat-flour. No. 114,783; Jan. 2; v. 234; p. 370.
- Leyerle, Daniel L., Webb City, Mo. Preparation for the treatment of blood, stomach, liver, and kidney ailments. No. 118,054; Aug. 14; v. 241; p. 617.
- Leyser, Green Co., New York, N. Y. Hats. No. 115,096; Jan. 23; v. 234; p. 1308.
- Libbey-Owens Sheet Glass Company, The, Toledo, Ohio. Sheet-glass. No. 118,792; Oct. 2; v. 243; p. 237.
- Libby, Arthur A., Boston, Mass. Tooth-cleaning preparations. No. 115,453; Feb. 13; v. 235; p. 691.
- Liberty-Durgin Inc., Haverhill, Mass. Leather and textile boots and shoes. No. 117,452; July 10; v. 240; p. 636.
- Liberty Motor Car Company, Detroit, Mich. Automobiles. No. 118,420; Sept. 4; v. 242; p. 250.
- Liberty Stove Polish Co., Chicago, Ill., and New York, N. Y. Stove-polish. No. 119,969; Dec. 25; v. 245; p. 1022.
- Lieberthal, Robert H., New York, N. Y. Dental impression-trays. No. 118,891; Oct. 9; v. 243; p. 520.
- Liggett & Myers Tobacco Company, New York, N. Y. Cigarettes. No. 117,166; June 19; v. 239; p. 935.
- Liggett & Myers Tobacco Company, New York, N. Y. Smoking and chewing tobacco and cigarettes. No. 119,195; Oct. 30; v. 243; p. 1306.
- Lillienstern, Lafayette, New York, N. Y. Picture-frames. No. 118,304; Aug. 28; v. 241; p. 1152.
- Lilly, Dungan & Company, Baltimore, Md. Cigars and cigarettes. No. 116,656; May 15; v. 238; p. 977.
- Lily of France Corset Co., New York, N. Y. Corsets. No. 114,995; Jan. 16; v. 234; p. 1041.
- Lily of France Corset Co., New York, N. Y. Corsets. No. 115,358; Feb. 6; v. 235; p. 319.
- Lima Locomotive Works, Inc., Lima, Ohio. Steam-locomotives. No. 118,679; Sept. 25; v. 242; p. 989.
- Lincoln, Janie, Toledo, Ohio. Complexion-powder. No. 115,359; Feb. 6; v. 235; p. 320.
- Linden, Ernst, Hamilton, Ohio. Cigars. No. 116,957; June 5; v. 239; p. 315.

Alphabetical list of registrants of trade-marks—Continued.

- Lindenhurst Manufacturing Co., Lindenhurst, N. Y. Buttons. No. 116,436; May 1; v. 238; p. 306.
- Lindenmeyr & Sons, Henry, New York, N. Y. Printing and writing paper. No. 116,958; June 5; v. 239; p. 315.
- Lindsay, Robert G., New York, N. Y. Dolls. No. 115,775; Mar. 6; v. 236; p. 278.
- Linenwear Hosiery Company Inc., Clifton Heights, Pa. Hosiery. No. 117,253; June 26; v. 239; p. 1205.
- Lingo, William B., Atlanta, Ga. Remedy for hereditary and acquired syphilis and all conditions arising from same. No. 115,454; Feb. 13; v. 235; p. 691.
- Linn, George R., Chicago, Ill. Butter. No. 116,771; May 22; v. 238; p. 1326.
- Linn, George R., Chicago, Ill. Butter. No. 119,458; Nov. 20; v. 244; p. 814.
- Linograph Company, The, Augusta, Me., and Davenport, Iowa. Machines for composing matrices, type-setting, type and line casting, and the parts thereof. No. 115,977; Mar. 27; v. 236; p. 1217.
- Linograph Company, The, Davenport, Iowa. Publication published at irregular intervals. No. 118,547; Sept. 18; v. 242; p. 745.
- Linton, Robert H., New York, N. Y. Silk shirtings, all-wool flannels and worsteds. No. 115,776; Mar. 6; v. 236; p. 278.
- Lion, Edwin E., New York, N. Y. Boys' outer suits, jackets, overcoats, hats, caps, &c. No. 117,167; June 19; v. 239; p. 935.
- Lion Manufacturing Co., Omaha, Nebr. Suspenders, belts, garters, and armbands. No. 118,305; Aug. 23; v. 241; p. 1152.
- Lippincott, George A., Philadelphia, Pa. Food and tonic for plants, flowers, &c. No. 115,360; Feb. 6; v. 235; p. 320.
- Lipps, Morris, New York, N. Y. Beds, mattresses, bed-springs. No. 114,996; Jan. 16; v. 234; p. 1041.
- Lipscomb, Edwin J., Duncan, Miss., and Memphis, Tenn. Medicine for certain named diseases. Nos. 115,097-8; Jan. 23; v. 234; p. 1308.
- Listman Mill Company, La Crosse, Wis. Wheat-flour. No. 114,784; Jan. 2; v. 234; p. 370.
- Littauer Brothers, New York, N. Y. Fabric gloves. No. 116,906; June 5; v. 239; p. 314.
- Little, David J., Binghamton, N. Y. Tooth-wash, an anti-septic compound. No. 117,341; July 3; v. 240; p. 334.
- Little Giant Starter Company, The, Canton, Ohio. Engine-starters other than electrical. No. 118,058; Aug. 14; v. 241; p. 617.
- Livestock Individual Drinking Fountain Company, Inc., Lynchburg, Va. Animal drinking-bowl. No. 118,793; Oct. 2; v. 243; p. 237.
- Ljusne-Woxna Aktiebolag, Ljusne, Sweden. Certain named cutlery, machinery, and tools, and parts thereof. No. 118,055; Aug. 14; v. 241; p. 617.
- Lloyds of America, Bradley Beach, N. J. Preparation to be applied to coal to render the combustion more complete. No. 114,997; Jan. 16; v. 234; p. 1041.
- Lobl, Max, New York, N. Y. Gloves. Nos. 118,059-66; Aug. 14; v. 241; pp. 617-18.
- Lobravico & Son R., Chicago, Ill. Cigars, cigarettes, cheroots, stogies, chewing and smoking tobacco. No. 118,794; Oct. 2; v. 243; p. 237.
- Lobravico & Son R., Chicago, Ill. Cigars, cigarettes, cheroots, stogies, chewing and smoking tobacco. No. 119,196; Oct. 30; v. 243; p. 1306.
- Locomotive Pulverized Fuel Company. (See United Combustion Company, assignor.)
- Locomotive Pulverized Fuel Company, New York, N. Y. Certain named furnaces and boilers and parts and devices for same. No. 116,772; May 22; v. 238; p. 1326.
- Loeb & Schoenfeld Company, Wilmington, Del.; Camden, N. J., and New York, N. Y. Lace curtains, draperies, and ornamental door and window hangings of textile material. No. 118,421; Sept. 4; v. 242; p. 250.
- Logwood Products Corporation, New York, N. Y. Vegetable dyes—viz., logwood liquid extract and paste, &c. No. 117,676; July 24; v. 240; p. 1162.
- Lokesch & Sohn, Eduard, Prague-Holeschowitz, Austria-Hungary. Certain named fancy goods, furnishings, and notions. No. 118,281; Aug. 28; v. 241; p. 1151.
- London, Christiane R., Chicago, Ill. Hair-tonics. No. 118,611; Sept. 18; v. 242; p. 747.
- Long-Bell Lumber Company, The, Kansas City, Mo. Finished and unfinished lumber. No. 116,332; Apr. 24; v. 237; p. 1215.
- Long, Benj., Champaign, Ill. Shave-paper cartons. No. 114,785; Jan. 2; v. 234; p. 370.
- Long, David D., Oswego, N. Y. Cocoa, chewing-gum, peanut-butter. No. 118,205; Aug. 21; v. 241; p. 907.
- Long, Howard E., Cleveland, Ohio. Internal treatment for any inflamed condition of throat or mouth. No. 115,455; Feb. 13; v. 235; p. 691.
- Longwood Laboratories, Incorporated, The, Kingston, N. Y. Dandruff and falling hair. No. 116,534; May 8; v. 238; p. 646.
- Lonsdale Company, Providence, R. I. Cotton piece goods. No. 116,146; Apr. 10; v. 237; p. 618.
- Loose Wiles Biscuit Company, Kansas City, Mo. Cakes. No. 115,199; Jan. 30; v. 234; p. 1579.
- Loose-Wiles Biscuit Company, Kansas City, Mo. Cakes. No. 116,333; Apr. 24; v. 237; p. 1215.
- Loose Wiles Company, Kansas City, Mo. Chocolate candy. No. 117,168; June 19; v. 239; p. 936.
- Loose-Wiles Biscuit Company, New York, N. Y., and Kansas City, Mo. Cookies. No. 115,361; Feb. 6; v. 235; p. 320.
- Loose-Wiles Biscuit Co., New York, N. Y., and Kansas City, Mo. Cookies. No. 115,777; Mar. 6; v. 236; p. 278.
- Loose-Wiles Biscuit Company, New York, N. Y., and Kansas City, Mo. Cakes. No. 115,978; Mar. 27; v. 236; p. 1217.
- Loose-Wiles Biscuit Company, New York, N. Y., and Kansas City, Mo. Cookies. No. 115,641; Feb. 27; v. 235; p. 1351.
- Loose-Wiles Biscuit Company, New York, N. Y., and Kansas City, Mo. Cakes. No. 116,147; Apr. 10; v. 237; p. 618.
- Loose-Wiles Biscuit Company, Chicago, Ill. Cakes. No. 115,640; Feb. 27; v. 235; p. 1351.
- Lorimore, Alec, New York, N. Y. Motion-picture films. No. 115,362; Feb. 6; v. 235; p. 320.
- Los Angeles Foundry Company, Los Angeles, Cal. Balls for ball and tube mills. No. 114,896; Jan. 9; v. 234; p. 668.
- Loudonville Mill & Grain Co., The, Loudonville, Ohio. Wheat-flour. No. 119,093; Oct. 23; v. 243; p. 1061.
- Louis Hilfer Company, The, Chicago, Ill. Matches. No. 116,636; May 15; v. 238; p. 977.
- Louis Levy Grocer Co., Ltd., Baton Rouge, La. Wheat-flour. No. 116,655; May 15; v. 238; p. 977.
- Louisville Cement Company, Louisville, Ky. Building-cement. No. 117,169; June 19; v. 239; p. 936.
- Love-Me-Gum Co., Baltimore, Md. Chewing-gum. No. 117,767; July 31; v. 240; p. 1446.
- Loveland, Walter A., Kalamazoo, Mich. An invisible garment or trouser supporter in the form of a belt. No. 117,343; July 3; v. 240; p. 335.
- Lovell & Covel Company, Boston, Mass. Candies. No. 116,068; Apr. 3; v. 237; p. 306.
- Loveman Brothers, New York, N. Y. Piece goods of cotton silk, cotton, and artificial or real silk and mixtures of the same. No. 117,454; July 10; v. 240; p. 636.
- Lovett, Florence B., East Orange, N. J. Kerosene-oil stoves and oil torches. Nos. 119,740-1; Dec. 11; v. 245; p. 548.
- Lowe Brothers Company, The, Dayton, Ohio. Ready-mixed paints. No. 115,642; Feb. 27; v. 235; p. 1351.
- Lowenstein, Daniel, New York, N. Y. Certain pharmaceutical preparations for toilet purposes. No. 116,907; June 5; v. 239; p. 314.
- Lowrie, Edward A., St. Louis, Mo. Railway-car-roof cast brackets. No. 118,306; Aug. 28; v. 241; p. 1152.
- Lubrex Oil & Grease Company, Pittsburgh, Pa. Lubricating oils and greases. No. 118,680; Sept. 25; v. 242; p. 989.
- Luckett, Philip A., Salisbury, Md. Union-suits, undershirts, drawers, and pajamas of textile material. No. 114,897; Jan. 9; v. 234; p. 668.
- Luckett, Philip A., Salisbury, Md. Union-suits, undershirts, drawers, and pajamas of textile material. No. 116,069; Apr. 3; v. 237; p. 306.
- Luckett-Wake Tobacco Co., Louisville, Ky. Leaf-tobacco. No. 119,333; Nov. 13; v. 244; p. 559.
- Lumley, Wallace J., Chicago, Ill. Certain named adhesives. No. 118,893; Oct. 9; v. 243; p. 520.
- Lund-Mauldin Company, St. Louis, Mo. Leather boots and shoes. No. 115,523; Feb. 20; v. 235; p. 1050.
- Lund, Ulrik R. T., North Catasauqua, Pa. Ribbons. No. 116,148; Apr. 10; v. 237; p. 618.
- Lundborg Company, New York, N. Y. Certain named toilet preparations. No. 116,334; Apr. 24; v. 237; p. 1215.
- Lundborg Company, New York, N. Y. Display-stands for exhibiting perfumery in bottles and other articles for sale. No. 116,658; May 15; v. 238; p. 977.
- Lundborg Company, New York, N. Y. Perfume, toilet water, toilet creams, toilet powders, and bath-salts. No. 119,334; Nov. 13; v. 244; p. 559.
- Luyties Brothers, New York, N. Y. Cordials. No. 115,643; Feb. 27; v. 235; p. 1351.
- Lyon, Conklin & Co. Inc., Baltimore, Md. Terne plates. No. 114,898; Jan. 9; v. 234; p. 668.
- Lyon & Healy, Chicago, Ill. Cornets, trombones, altos, tenors, melophones, &c. No. 115,524; Feb. 20; v. 235; p. 1050.
- Lyon & Healy, Chicago, Ill. Piano benches and stools, music-cabinets. No. 116,659; May 15; v. 238; p. 977.
- Lyon & Healy, Chicago, Ill. Cornets, trombones, altos, melophones, baritones, basses, saxophones. No. 116,959; June 5; v. 239; p. 315.
- Lyon & Healy, Chicago, Ill. Talking-machines, phonographs, and the like. No. 119,094; Oct. 23; v. 243; p. 1061.
- Lyon & Healy, Chicago, Ill. Pianos. No. 119,459; Nov. 20; v. 244; p. 814.
- Lyster Chemical Company, Augusta, Me., and New York, N. Y. Medicinal drugs, a compound of guaiacol sulfonate with magnesium. No. 118,056; Aug. 14; v. 241; p. 617.
- Lyster Chemical Company, Augusta, Me., and New York, N. Y. Medicinal drugs, a creosote-carbonate preparation. No. 118,057; Aug. 14; v. 241; p. 617.

- Lyster Chemical Company, Augusta, Me., and New York, N. Y. Compound of creosote sulfonate with magnesium for medicinal drugs. No. 118,067; Aug. 14; v. 241; p. 618.
- Lyster Chemical Company, Augusta, Me., and New York, N. Y. Medicinal drugs, a preparation of guaiacol carbonate. No. 118,068; Aug. 14; v. 241; p. 618.
- M. Brodsky & Co., Inc., New York, N. Y. Cotton and silk sewing threads and cotton and silk yarns. No. 119,169; Oct. 30; v. 243; p. 1305.
- M. Half & Bro., San Antonio, Tex. Staple and fancy gingham. No. 118,183; Aug. 21; v. 241; p. 906.
- M. Heminway & Sons Silk Co., Watertown, Conn. Silk piece goods. No. 117,441; July 10; v. 240; p. 636.
- M. Heminway & Sons Silk Co., Watertown, Conn. Pure and artificial silk threads. No. 117,661; July 24; v. 240; p. 1162.
- M. Heminway & Sons Silk Co., Watertown, Conn., and New York, N. Y. Silk fabrics. No. 118,879; Oct. 9; v. 243; p. 520.
- M. O'Connor and Co., Indianapolis, Ind. Certain named foods. No. 117,907; Aug. 7; v. 241; p. 296.
- M. O'Connor and Company, Indianapolis, Ind. Canned fruits and vegetables, salmon, hominy, pork and beans, catsup. No. 115,377; Feb. 6; v. 235; p. 320.
- M. Smolensky Manufacturing Co., The, Cleveland, Ohio. Metallic rotary suction and check valves. No. 116,799; May 22; v. 238; p. 1327.
- M. Ufund & Co., New York, N. Y. Ladies' hats. No. 114,846; Jan. 2; v. 234; p. 372.
- M. Ufund & Co., New York, N. Y. Ladies' hats. No. 116,018; Mar. 27; v. 236; p. 1218.
- M. A. Gunst & Co., Incorporated, Portland, Me., and New York, N. Y. Cigars. No. 115,608; Feb. 27; v. 235; p. 1350.
- M. A. Gunst & Co., Incorporated, Portland, Me., and New York, N. Y. Cigars. No. 118,292; Aug. 28; v. 241; p. 1152.
- M. A. Gedney Company, Minneapolis, Minn. Sauer-kraut and dill pickles. No. 118,514; Sept. 18; v. 242; p. 744.
- M. C. Peters Mill Co., Omaha, Nebr. Feed composed of various meals and used for a milk substitute for growing calves. No. 119,767; Dec. 11; v. 245; p. 549.
- M. C. Peters Mill Co., Omaha, Nebr. Feed composed of certain named ingredients used as a feed for swine. No. 119,768; Dec. 11; v. 245; p. 549.
- M. D. Knowlton Company, Rochester, N. Y. Staying-machines. Nos. 114,977-87; Jan. 16; v. 234; p. 1041.
- M. D. Knowlton Company, Rochester, N. Y. Certain named machinery for handling and treating paper and fiber board. No. 116,223; Apr. 17; v. 237; p. 913.
- M. D. Knowlton Company, Rochester, N. Y. Staying and fastening material—namely, adhesively-coated strips of paper and textile material. No. 116,653; May 15; v. 238; p. 977.
- M. E. Smith & Co., Inc., Omaha, Nebr. Women's garments for outer wear. No. 118,923; Oct. 9; v. 243; p. 521.
- M. E. Smith & Co., Inc., Omaha, Nebr. Men's, women's, and children's night-shirts, gowns, pajamas, and garments for night-wear. No. 119,389; Nov. 13; v. 244; p. 561.
- M. H. Aterite Company, Inc., New York, N. Y. Alloys. No. 114,676; Jan. 2; v. 234; p. 367.
- M. K. Goetz Brewing Co., St. Joseph, Mo. Beer. Nos. 115,080-1; Jan. 25; v. 234; p. 1308.
- M. K. Goetz Brewing Co., St. Joseph, Mo. Cereal food beverage sold as a soft drink. No. 115,959; Mar. 27; v. 236; p. 1216.
- M. K. Goetz Brewing Co., St. Joseph, Mo. Tonic cereal beverage to be sold as a soft drink. No. 119,297; Nov. 13; v. 244; p. 558.
- Maas Baking Co., New York, N. Y. Prepared food product made from flour and eggs similar to noodles in its uses. No. 117,046; June 12; v. 239; p. 652.
- Maass & Kemper (a New Jersey Corp.), Baltimore, Md. Middy-blouses, children's dresses, misses' and ladies' cotton suits. No. 118,423; Sept. 4; v. 242; p. 250.
- MacAndrews & Forbes Company, Camden, N. J. Dye-wood extracts. No. 116,908; June 5; v. 239; p. 314.
- MacDonell-Chow Corp., New York, N. Y. Mineral waters. No. 116,660; May 15; v. 238; p. 977.
- MacLaren Imperial Cheese Co., Toronto, Ontario, Canada, and Detroit, Mich. Cheese. No. 117,768; July 31; v. 240; p. 1446.
- MacMaster, William, New York, N. Y. Salve for boils, ulcers, and wounds. No. 117,683; July 24; v. 240; p. 1162.
- MacMaster, William, New York, N. Y. Salve for tired feet, corns, and chilblains. No. 117,684; July 24; v. 240; p. 1162.
- MacMillan Chemical Co., Falls City, Nebr. Salve for external use. No. 114,999; Jan. 16; v. 234; p. 1041.
- Macaroni Publishing Corporation, The, New York, N. Y. Monthly publication. No. 115,855; Mar. 13; v. 236; p. 591.
- Machine Appliance Corporation, Brooklyn, N. Y. Eyelets for fastening purposes. No. 118,550; Sept. 18; v. 242; p. 745.
- Machine Products Co., St. Louis, Mo. Piston-rings. No. 119,743; Dec. 11; v. 245; p. 549.
- Machinery Merchants, Inc., New York, N. Y. Lathes. No. 116,439; May 1; v. 238; p. 306.
- MacIn-Zimmer-McGill Tobacco Co., Incorporated, Petersburg, Va. Smoking, chewing, and leaf tobaccos, snuff. Nos. 117,456-7; July 10; v. 240; p. 636.
- Macular Parker Company, Boston, Mass. Certain named clothing for men's, boys', and women's wear. No. 118,895; Oct. 9; v. 243; p. 520.
- Macy & Co., R. H., New York, N. Y. Cotton piece goods, nainsooks, and long-cloths. No. 114,899; Jan. 9; v. 234; p. 668.
- Macy & Co., R. H., New York, N. Y. Certain named canned goods. No. 115,778; Mar. 6; v. 236; p. 279.
- Macy & Co., R. H., New York, N. Y. Sheets and pillow-cases. No. 116,910; June 5; v. 239; p. 314.
- Macy & Co., R. H., New York, N. Y. Silks in the piece. No. 116,911; June 5; v. 239; p. 314.
- Macy & Co., R. H., New York, N. Y. Gloves. Nos. 117,171-5; June 19; v. 239; p. 936.
- Macy & Co., R. H., New York, N. Y. Certain named foods. No. 118,308; Aug. 28; v. 241; p. 1152.
- Madden Company, The, Chicago, Ill. Metal derails. No. 115,644; Feb. 27; v. 235; p. 1351.
- Maddock Pottery Company, Trenton, N. J. Chinaware. No. 114,790; Jan. 2; v. 234; p. 370.
- Madison Bottling Works, The, Madison, N. C. Carbonated soft drink. No. 115,099; Jan. 23; v. 234; p. 1308.
- Magic Mist, Incorporated, New York, N. Y. Liquid oil preparation for cleaning and polishing furniture and the like. No. 114,791; Jan. 2; v. 234; p. 370.
- Magic Mist, Incorporated, New York, N. Y. Atomizing-dispensers for liquid oil for polishing. No. 116,227; Apr. 17; v. 237; p. 914.
- Magnolia Metal Company, New York, N. Y. Sulfuret of antimony, a pigment used to impart color to rubber goods. No. 119,339; Nov. 13; v. 244; p. 560.
- Mail Order House of Switzerland, Inc., New York, N. Y. Embroidered patterns for subsequent conversion into certain named articles. No. 117,894; Aug. 7; v. 241; p. 295.
- Main & Main, Iowa City, Iowa. Sewing-machines. No. 118,069; Aug. 14; v. 241; p. 618.
- Majestic Bottling Co., Missoula, Mont. Non-alcoholic carbonated beverage. No. 119,197; Oct. 30; v. 243; p. 1306.
- Major, Elliott W., St. Louis, Mo. Soft drink. No. 117,570; July 17; v. 240; p. 937.
- Maley, Charles E., Little Rock, Ill. Liniments and remedies for bruises, sores, internal and external wounds, abrasions. No. 118,424; Sept. 4; v. 242; p. 250.
- Mallickson, Philip S., Philadelphia, Pa. Rubber pneumatic automobile-tires for pleasure-cars. No. 116,228; Apr. 17; v. 237; p. 914.
- Malleable Iron Fittings Co., Branford, Conn. Pipe-fittings. No. 119,903; Dec. 18; v. 245; p. 840.
- Mallinson & Co., H. R., New York, N. Y. Silk piece goods. No. 115,779; Mar. 6; v. 236; p. 279.
- Mallinson & Co., H. R., New York, N. Y. Silk piece goods. Nos. 115,856-7; Mar. 13; v. 236; p. 591.
- Mallinson & Co., H. R., New York, N. Y. Woven and knitted silk and crape piece goods. No. 116,073; Apr. 3; v. 237; p. 306.
- Mallinson & Co., H. R., New York, N. Y. Silk piece goods. No. 116,149; Apr. 10; v. 237; p. 618.
- Mallinson & Co., H. R., New York, N. Y. Parasols. No. 116,336; Apr. 24; v. 237; p. 1215.
- Mallinson & Co., H. R., New York, N. Y. Silk piece goods. No. 118,896; Oct. 9; v. 243; p. 520.
- Mallinson & Co., H. R., New York, N. Y. Silk piece goods. No. 119,340; Nov. 13; v. 244; p. 560.
- Malmad & Co., A. T., Philadelphia, Pa. Metallic floor-hardener in pulverized form. No. 119,971; Dec. 25; v. 245; p. 1022.
- Malouf, Abraham M., Salt Lake City, Utah. Hats, caps, shirts, collars, cuffs, leather shoes. No. 114,794; Jan. 2; v. 234; p. 370.
- Malouf, Abraham M., Salt Lake City, Utah. Embroideries made of silk and wool, and suspenders. No. 116,440; May 1; v. 238; p. 306.
- Malouf, Abraham M., Salt Lake City, Utah. Certain named cutlery, tools, and parts thereof. No. 117,571; July 17; v. 240; p. 937.
- Malouf, Abraham M., Salt Lake City, Utah. Certain named threads and yarn. No. 117,685; July 24; v. 240; p. 1162.
- Malouf, Abraham M., Salt Lake City, Utah. Chairs and bedsteads made of metal or wood, tables, desks, mattresses, pillows. No. 118,795; Oct. 2; v. 243; p. 237.
- Malouf, Abraham M., Salt Lake City, Utah. Certain named knitted, netted, and textile fabrics. No. 118,897; Oct. 9; v. 243; p. 520.
- Malouf, Abraham M., Salt Lake City, Utah. Certain named clothing for men, boys, women, and children. No. 118,898; Oct. 9; v. 243; p. 520.
- Malouf, Abraham M., Salt Lake City, Utah. Matting, tapestry, carpets, rugs, mats. No. 118,978; Oct. 16; v. 243; p. 790.
- Manchester Manufacturing Company, St. Louis, Mo. Sectional houses. No. 118,979; Oct. 16; v. 243; p. 790.
- Manhattan Card & Paper Company, New York, N. Y. Bond-paper and envelopes. No. 117,686; July 24; v. 240; p. 1162.

Alphabetical list of registrants of trade-marks—Continued.

- Manhattan Coffee Mills, Inc., Washington, D. C. Coffee. No. 117,895; Aug. 7; v. 241; p. 295.
- Manhattan Electrical Supply Company, Jersey City, N. J., and New York, N. Y. Certain named electrical apparatus, machines, and supplies. No. 114,900; Jan. 9; v. 234; p. 668.
- Manhattan Electrical Supply Company, Jersey City, N. J., and New York, N. Y. Electric meters, registers, calculators, and thermostats. No. 115,203; Jan. 30; v. 234; p. 1579.
- Manhattan Electrical Supply Company, Jersey City, N. J., and New York, N. Y. Certain receptacles having electric attachments. No. 115,527; Feb. 20; v. 235; p. 1050.
- Manhattan Electrical Supply Company, Jersey City, N. J., and New York, N. Y. Electric clocks and horological, astronomical, and nautical timepieces and parts and attachments therefor. No. 115,894; Mar. 20; v. 236; p. 885.
- Manhattan Electrical Supply Company, Jersey City, N. J., and New York, N. Y. Certain named electrically-operated therapeutic apparatus and appliances and parts and attachments therefor. No. 116,662; May 15; v. 238; p. 977.
- Manhattan Petticoat Co. Inc., New York, N. Y. Petticoats. No. 115,645; Feb. 27; v. 235; p. 1351.
- Manhattan Rubber Mfg. Co., The, New York, N. Y. Belting, hose, and machinery packing made partly of rubber and cotton. No. 114,795; Jan. 2; v. 234; p. 370.
- Manhattan Rubber Mfg. Co., The, New York, N. Y. Hose and machinery packing made partly of rubber and cotton. No. 114,796; Jan. 2; v. 234; p. 371.
- Manhattan Rubber Mfg. Co., The, New York, N. Y. Belting made partly of rubber and partly of cotton. No. 114,797; Jan. 2; v. 234; p. 371.
- Manhattan Rubber Mfg. Co., The, New York, N. Y. Hose made partly of rubber and partly of cotton. No. 115,009; Jan. 16; v. 234; p. 1041.
- Manhattan Rubber Mfg. Co., The, New York, N. Y. Hose made partly of rubber and partly of cotton. No. 116,776; May 22; v. 238; p. 1326.
- Manhattan Rubber Mfg. Co., The, New York, N. Y. Machinery packing made of rubber and asbestos. No. 116,777; May 22; v. 238; p. 1326.
- Manhattan Rubber Mfg. Co., New York, N. Y. Rubber composition in sheet form. No. 116,778; May 22; v. 238; p. 1326.
- Mang, James P., Brooklyn, N. Y. Hair- tonic in liquid form for external use. No. 119,341; Nov. 13; v. 244; p. 560.
- Manor & Co., J. D., New Market, Va. Wheat-flour. No. 115,981; Mar. 27; v. 236; p. 1217.
- Manor & Co., J. D., New Market, Va. Self-rising wheat-flour. No. 117,572; July 17; v. 240; p. 937.
- Mansfield, Etta, New York, N. Y. Dolls. No. 119,745; Dec. 11; v. 245; p. 549.
- Mansfield Milling Co., The, Mansfield, Ohio. Wheat-flour. No. 118,796; Oct. 2; v. 243; p. 237.
- Manufacturing Chemists' Agency, Philadelphia, Pa. Shaving-lotion for use after shaving. No. 116,837; Apr. 24; v. 237; p. 1215.
- Marathon Laboratory, Chicago, Ill. Remedies for certain named affections. No. 118,072; Aug. 14; v. 241; p. 618.
- Marathon Tire & Rubber Co., The, Cuyahoga Falls, Ohio. Rubber and composition soles and heels. Nos. 118,899-900; Oct. 9; v. 243; p. 520.
- Marathon Tire & Rubber Co., The, Cuyahoga Falls, Ohio. Rubber tires, casings, and tubes. Nos. 118,980-1; Oct. 16; v. 243; p. 790.
- Margot, Chicago, Ill. Certain named articles of wearing-apparel. No. 118,901; Oct. 9; v. 243; p. 520.
- Margulies, Larry J., New York, N. Y. Ladies' ornamental collars. No. 115,780; Mar. 6; v. 236; p. 279.
- Maricatte et Cie., Indianapolis, Ind. Perfumes, toilet waters, rouge, face and dental creams, powders. No. 116,912; June 5; v. 239; p. 314.
- Maricopa Creamery Co., Phoenix, Ariz. Butter. No. 114,798; Jan. 2; v. 234; p. 371.
- Marietta Glass Mfg. Co., The, Indianapolis, Ind. Glass used in counters, soda-fountains, table-tops, panels, and stools. No. 117,687; July 24; v. 240; p. 1162.
- Marion Dress Co., New York, N. Y. Ladies' dresses. No. 116,961; June 5; v. 239; p. 315.
- Marion Steam Shovel Company, The, Marion, Ohio. Certain named cutlery, machinery, and tools, and parts thereof. No. 119,552; Nov. 27; v. 244; p. 1083.
- Marion Stock Remedy Company, Ocala, Fla. Blood-modifying preparation. No. 116,074; Apr. 3; v. 237; p. 306.
- Marks, Leonard, New York, N. Y. Phonographs and parts, mechanical phonograph-motors. No. 117,688; July 24; v. 240; p. 1163.
- Marks Publishing Corporation, New York, N. Y. Weekly publication. No. 116,229; Apr. 17; v. 237; p. 914.
- Marks, Albert F., Park Falls, Wis. Powders for treating certain named affections. No. 117,047; June 12; v. 239; p. 652.
- Markun, Mollie, New York, N. Y. Outer skirts. No. 117,769; July 31; v. 240; p. 1446.
- Marple Bros., Philadelphia, Pa. Salted nuts. No. 115,982; Mar. 27; v. 236; p. 1217.
- Marple Bros., Philadelphia, Pa. Salted nuts. No. 116,338; Apr. 24; v. 237; p. 1215.
- Marr and Colton Organ Co., Warsaw, N. Y. Organs and parts thereof. No. 116,663; May 15; v. 238; p. 977.
- Marriott & Sons, R. B., Sterling, Conn. Cut granite, building and paving blocks, curbing, and flagging. No. 119,342; Nov. 13; v. 244; p. 560.
- Marrone, Vincenzo, Utica, N. Y. Macaroni and canned sardines. No. 119,972; Dec. 25; v. 245; p. 1022.
- Marshall, Chauncey, Jr., Brooklyn, N. Y. Self-closing tobacco-pouches. No. 115,366; Feb. 6; v. 235; p. 320.
- Marshall Field & Company, Chicago, Ill. Cotton threads and yarns. No. 115,748; Mar. 6; v. 236; p. 278.
- Marshall Field & Company, Chicago, Ill. Electric suction-cleaners. No. 116,755; May 22; v. 238; p. 1326.
- Marshall Field & Company, Chicago, Ill. Watches. No. 119,746; Dec. 11; v. 245; p. 549.
- Marshall Field & Company, Chicago, Ill. Leather shoes. No. 119,905; Dec. 18; v. 245; p. 840.
- Marshall-Stacey Company, The, Aldenville, Pa. Canned food product prepared from meat and other ingredients. No. 114,799; Jan. 2; v. 234; p. 371.
- Marti, Juan, Santa Coloma de Farnés, Spain. Mineral, carbonic, and table waters. No. 116,535; May 8; v. 238; p. 646.
- Martin, G. B., Frankfort, Ind. Certain named chemicals, medicines, and pharmaceutical preparations. No. 118,551; Sept. 18; v. 242; p. 745.
- Martin H. Smith Co., New York, N. Y. Treatment for coughs, bronchitis, phthisis, &c. No. 117,373; July 3; v. 240; p. 336.
- Martin-Klepper Co. Inc., Decatur, Ind. Butter. No. 115,204; Jan. 30; v. 234; p. 1579.
- Martin L. Hall Company, Boston, Mass. Coffee. No. 117,254; June 26; v. 239; p. 1205.
- Martin Manufacturing Company, Newton, Mass. Lace and drapery curtains. No. 116,075; Apr. 3; v. 237; p. 306.
- Martin, William E., Chicago, Ill. Metal-polish. No. 116,441; May 1; v. 238; p. 306.
- Martin, William E., Chicago, Ill. Metal-enamel. No. 119,096; Oct. 23; v. 243; p. 1061.
- Martinez, Arthur P., Dallas, Tex. Coffee. No. 117,770; July 31; v. 240; p. 1446.
- Martinez Havana Co., New York, N. Y. Cigars. No. 115,983; Mar. 27; v. 236; p. 1217.
- Martins Birmingham Limited, Birmingham, England. Golf-balls. No. 115,896; Mar. 20; v. 236; p. 885.
- Martins Birmingham Limited, Birmingham, England. Certain named fancy goods, furnishings, and notions. No. 118,425; Sept. 4; v. 242; p. 250.
- Martins Birmingham Limited, Birmingham, England. Certain named clothing. No. 118,982; Oct. 16; v. 243; p. 790.
- Martins Birmingham Limited, Birmingham, England. Certain named baggage, horse equipments, portfolios, and pocket-books. No. 119,230; Nov. 6; v. 244; p. 287.
- Marvel Engineering Company, Chicago, Ill. Grease-cups for automobiles, motors, and other vehicles and machinery. No. 117,176; June 19; v. 239; p. 936.
- Marvel Mfg. Co., New Haven, Conn. Optical toy. No. 116,664; May 15; v. 238; p. 973.
- Marx, Eugene A., Chicago, Ill. Commutator-cleaning paste. No. 118,309; Aug. 28; v. 241; p. 1152.
- Maryland Rubber Company, Baltimore, Md. Certain named dental, medical, and surgical appliances. No. 115,984; Mar. 27; v. 236; p. 1217.
- Mason, Mary M., Chicago, Ill. Certain named toys. No. 116,339; Apr. 24; v. 237; p. 1215.
- Mason Regulator Company, Boston, Mass. Certain named steam regulating devices, pumps, engines, and the like. No. 115,002; Jan. 16; v. 234; p. 1041.
- Massachusetts Cotton Mills, Lowell and Boston, Mass. Gingham and shirtings in the piece, made of colored cotton yarns. No. 118,310; Aug. 28; v. 241; p. 1152.
- Master Cutter Machine Company, The, Cincinnati, Ohio. Coffee-mills, meat-choppers, cheese-cutters, &c., and parts. No. 114,800; Jan. 2; v. 234; p. 371.
- Master Shirt and Blouse Company, Camden, N. J., and Philadelphia, Pa. Negligée shirts and blouses. No. 119,097; Oct. 23; v. 243; p. 1061.
- Master Talking Machine Company, The, Towanda, Pa. Talking-machines, records, needles, and parts thereof, except horns. No. 116,665; May 15; v. 238; p. 973.
- Mathews, Henry H., Boston, Mass. Roofing-slate. No. 117,177; June 19; v. 239; p. 936.
- Mathis, Sidney C., Walton county, Ga. Diphtheria specific. No. 116,536; May 8; v. 238; p. 646.
- Matthews & Lively Co., Atlanta, Ga. Razors, knives of base metal other than surgical knives, shears. No. 116,150; Apr. 10; v. 237; p. 618.
- Matthews & Sons, Geo. B., New Orleans, La. Stock feed. No. 117,178; June 19; v. 239; p. 936.
- Matthews & Sons, Geo. B., New Orleans, La. Poultry feed. No. 117,458; July 10; v. 240; p. 636.
- Mattson Rubber Company, Lodi, N. J. Rubber pedal-covers. No. 115,529; Feb. 20; v. 235; p. 1050.
- Maurice B. Alter Co., Inc., Boston, Mass. Finished cabaretta-skins. No. 119,239; Nov. 13; v. 244; p. 557.
- Mauser Mill Company, Laurys Station, Pa. Wheat-flour. Nos. 117,179-81; June 19; v. 239; p. 936.
- May, George W., Morgantown, W. Va. Catalogues of newspapers and periodicals. No. 116,962; June 5; v. 239; p. 315.
- May Hosiery Mills, Burlington, N. C. Hosiery. No. 117,260; June 26; v. 239; p. 1205.

- May & Malone, Chicago, Ill. Certain named jewelry and precious-metal ware. No. 114,901; Jan. 9; v. 234; p. 668.
- Mayer Brothers Company, Mankato, Minn. Tractors. No. 116,666; May 15; v. 238; p. 973.
- Mayer, Henry, Brooklyn, N. Y. Bathing-suits and swimming-tights of all descriptions, knitted and fabric. No. 118,206; Aug. 21; v. 241; p. 907.
- Mays Mills, Inc., Mayworth, N. C. Carded and combed cotton yarns. No. 116,963; June 5; v. 239; p. 315.
- Maza & Co., B. P., Chicago, Ill. Remedy and ointment for certain named diseases and affections. No. 118,073; Aug. 14; v. 241; p. 618.
- Mazo Brothers, Washington, D. C. Coffee and tea. No. 118,983; Oct. 16; v. 243; p. 790.
- McAdam, Charles, Chicago, Ill. Paint and varnish removers. No. 114,787; Jan. 2; v. 234; p. 370.
- McAdamite-Aluminum Company, Detroit, Mich. Aluminum alloy (McAdamite) in various forms, castings, and ingots. No. 118,682; Sept. 25; v. 242; p. 989.
- McAfee, Norman R., Pittsburgh, Pa. Plastic or paste composition for cleaning the hands, wood, metal, earthen, and enameled wares. No. 116,773; May 22; v. 238; p. 1326.
- McCain, Robert E., Chicago, Ill. Cooling, healing, and odor-destroying compound for the feet. No. 116,437; May 1; v. 238; p. 306.
- McCarren, Hugh, Jr., New York, N. Y. Fresh fruits and vegetables. No. 114,788; Jan. 2; v. 234; p. 370.
- McClanahan, James S., Justin, Tex. Salve for catarrh, sore throat, tonsillitis, and croup. No. 114,998; Jan. 16; v. 234; p. 1041.
- McClelland Ward Co., Decatur, Ill. Certain named foods. No. 116,335; Apr. 24; v. 237; p. 1215.
- McColloch, Frank O., Los Angeles, Cal. Hair-grower composition. No. 114,789; Jan. 2; v. 234; p. 370.
- McComb Brothers, New York, N. Y. Certain named abrasive, detergent, and polishing materials. No. 119,970; Dec. 25; v. 245; p. 1022.
- McCormick, James H., Comstock, Mich. Certain named pharmaceutical preparations. No. 115,980; Mar. 27; v. 236; p. 1217.
- McCrary, E. Don, Bandon, Oreg. Pharmaceutical preparation for external use. No. 119,335; Nov. 13; v. 244; p. 559.
- McDowell, Pyle & Co., Inc., Baltimore, Md. Candy cough-drops. No. 115,526; Feb. 20; v. 235; p. 1050.
- McFadden, William A., New York, N. Y. Hammers. No. 116,438; May 1; v. 238; p. 306.
- McGee, Thomas L., Drogheda, Ireland. Automobile chassis. No. 117,677; July 24; v. 240; p. 1162.
- McKay, Edward F., Oklahoma, Okla. Homeopathic preparations for the treatment of colds, grippe, fever, and sore throat. No. 115,202; Jan. 30; v. 234; p. 1579.
- McKean, Samuel H., New York, N. Y. Antiseptic eyewash in tablet form to be dissolved in water. No. 117,344; July 3; v. 240; p. 335.
- McKean, Samuel H., New York, N. Y. Tonic to increase the red corpuscles, strengthen the nerves, and correct faulty metabolism. No. 117,678; July 24; v. 240; p. 1162.
- McKean, Samuel H., New York, N. Y. Tonic to strengthen the nerves, increase the red corpuscles of the blood, and correct faulty metabolism. No. 117,891; Aug. 7; v. 241; p. 295.
- McKean, Samuel H., New York, N. Y. Certain named chemicals, medicines, and pharmaceutical preparations. No. 119,336; Nov. 13; v. 244; p. 560.
- McKee Glass Company, Jeannette, Pa. Glass baking-dishes. No. 117,679; July 24; v. 240; p. 1162.
- McKenna, John L., New York, N. Y. Antiseptic powder for the treatment of exudations of the skin. No. 116,070; Apr. 3; v. 237; p. 306.
- McKenna, John L., New York, N. Y. Treatment for the hair and scalp and for eczema. No. 116,071; Apr. 3; v. 237; p. 306.
- McKesson & Robbins, New York, N. Y. Perfumery, talcum and sachet powders, and sachets. No. 116,226; Apr. 17; v. 237; p. 914.
- McKesson & Robbins, Incorporated, New York, N. Y. Monthly periodicals. No. 116,960; June 5; v. 239; p. 315.
- McKesson & Robbins, Incorporated, New York, N. Y. Antiseptic and disinfectant. No. 117,680; July 24; v. 240; p. 1162.
- McKesson & Robbins, Incorporated, New York, N. Y. Disinfectant. No. 117,681; July 24; v. 240; p. 1162.
- McKesson & Robbins, Incorporated, New York, N. Y. Perfumery, including liquid and powder. No. 117,682; July 24; v. 240; p. 1162.
- McKesson & Robbins, Incorporated, New York, N. Y. Medicinal preparations used internally in treatment of diseases due to deficiency in diet. No. 117,892; Aug. 7; v. 241; p. 295.
- McKesson & Robbins, Incorporated, New York, N. Y. Medicinal preparations for internal use. No. 119,742; Dec. 11; v. 245; p. 548.
- McKiernan-Terry Drill Company, Dover, N. J., and New York, N. Y. Pile-hammers. No. 119,608; Dec. 4; v. 245; p. 275.
- McKibbin, Driscoll & Dorsey, Inc., St. Paul, Minn. Sheep-skin-lined coats. No. 117,170; June 19; v. 239; p. 936.
- McKnight, Charles J., Greensburg, Pa. Toy push-cars. No. 116,661; May 15; v. 238; p. 977.
- McKnight-Keaton Grocery Co., Cairo, Ill. Canned fruits, vegetables, salmon, hominy, and pork and beans. No. 115,364; Feb. 6; v. 235; p. 320.
- McLain, J. T., Geneva, Fla. Oranges, grape-fruit, and tangerines. No. 117,893; Aug. 7; v. 241; p. 295.
- McLaughlin, Cora E., Kansas City, Mo. An antiseptic and a germicide for tuberculosis, bronchitis, catarrh, hay-fever. No. 119,337; Nov. 13; v. 244; p. 560.
- McLeod, William A., South Bend, Ind. Cathartics. No. 116,909; June 5; v. 239; p. 314.
- McLeod, William A., Joliet, Ill., and South Bend, Ind. Cold-cream, complexion-powder, rouge, toilet water, perfume, and shampoo. No. 118,548; Sept. 18; v. 242; p. 745.
- McMechen, Frank L., San Diego and Los Angeles, Cal. Certain named devices for gas-engines. No. 117,259; June 26; v. 239; p. 1205.
- McNamara & Marlow, Inc., Big Sandy, Mont. White, whole-wheat, and Graham flours, bran, and shorts. No. 118,549; Sept. 18; v. 242; p. 745.
- McQuesten & Lewis, Manchester, N. H. Wheat-flour. No. 119,338; Nov. 13; v. 244; p. 560.
- Mead Pulp and Paper Co., The, Dayton, Ohio. Print-paper in sheet form. No. 118,552; Sept. 18; v. 242; p. 745.
- Mead Pulp and Paper Co., The, Dayton, Ohio. Sheet-paper for the printing trade. No. 118,553; Sept. 18; v. 242; p. 745.
- Mechanical Rubber Company, The, New York, N. Y.; Chicago, Ill., and Cleveland, Ohio. Friction-tape. No. 115,781; Mar. 6; v. 236; p. 279.
- Mechanical Rubber Company, The, New York, N. Y.; Chicago, Ill., and Cleveland, Ohio. Certain named articles made of rubber or rubber and fabric. No. 118,207; Aug. 21; v. 241; p. 907.
- Mechanical Rubber Company, The, New York, N. Y.; Chicago, Ill., and Cleveland, Ohio. Certain named medical and surgical applications. No. 118,311; Aug. 28; v. 241; p. 1152.
- Mechanical Rubber Company, The, Jersey City, N. J.; New York, N. Y., and Cleveland, Ohio. Jar-ring. No. 119,198; Oct. 30; v. 243; p. 1306.
- Medlin, Mrs. Jno. J., Monroe, Ga. Female specific recommended for certain named affections. No. 118,208; Aug. 21; p. 241; p. 907.
- Meeker, Channing D., Bedford, Ohio. Coupon-books of address-labels for use on all manner of packages. No. 116,913; June 5; v. 239; p. 314.
- Mellicke Calculator Company, Chicago, Ill. Card-indexes. No. 114,902; Jan. 9; v. 234; p. 668.
- Meinecke & Company, New York, N. Y. Bed and douche pans. No. 115,646; Feb. 27; v. 235; p. 1351.
- Meisel Press Manufacturing Company, Boston, Mass. Gears. No. 118,683; Sept. 25; v. 242; p. 989.
- Melba Manufacturing Co., Chicago, Ill. Perfumes, toilet waters, toilet powders, and cosmetics. No. 119,343; Nov. 13; v. 244; p. 560.
- Mellicow, Jacob, New York, N. Y. Predigested food and fermented milk preparation. No. 117,689; July 24; v. 240; p. 1163.
- Melodograph Corporation, New York, N. Y. Phonographs, talking-machines. No. 119,609; Dec. 4; v. 245; p. 275.
- Melrose Milling Company, Evansville, Ind. Self-rising wheat-flour. No. 115,647; Feb. 27; v. 235; p. 1351.
- Mendelson, Louis A., New York, N. Y. Ladies' coats, outer suits and skirts, and dresses. No. 118,902; Oct. 9; v. 243; p. 520.
- Menominee Electric Products, Inc., New York, N. Y. Magnets, electric starters, and electrical motors for automobiles. No. 119,610; Dec. 4; v. 245; p. 275.
- Merck & Co., New York, N. Y. Certain named chemicals, medicines, and pharmaceutical preparations. No. 119,460; Nov. 20; v. 244; p. 814.
- Mergenthaler Linotype Company, New York, N. Y. Matrices. No. 116,340; Apr. 24; v. 237; p. 1215.
- Merrill, Jesse S., Washington, D. C. Water and soft drinks. No. 115,648; Feb. 27; v. 235; p. 1351.
- Merrill & Mayo Co., Waterville, Me. Wheat-flour and stock feeds. No. 114,801; Jan. 2; v. 234; p. 371.
- Merrill Metallurgical Company, San Francisco, Cal. Materials for precipitating valuable metals from hydrometallurgical solutions containing the same. No. 115,003; Jan. 16; v. 234; p. 1041.
- Merrimack Manufacturing Company, Lowell, Mass. Corduroys, pile fabrics, fustians, khakis, velveteens, cotton piece goods. No. 118,903; Oct. 9; v. 243; p. 521.
- Merrimack Manufacturing Company, Lowell, Mass. Imitation-leather cotton fabrics. No. 118,984; Oct. 16; v. 243; p. 790.
- Mertin, Rudolph, Boston, Mass. Laxatives. No. 115,004; Jan. 16; v. 234; p. 1041.
- Merton Dairy Products Company, Merton, Wis. Skimmed-milk powder. No. 114,802; Jan. 2; v. 234; p. 371.
- Mestayer, Henry, New Orleans, La. Antiseptic, germicide, and disinfectant for dental use. No. 116,538; May 8; v. 238; p. 646.
- Metal Stampings Corporation, Streator, Ill. Folding tables. No. 118,797; Oct. 2; v. 243; p. 237.
- Metric Packing Company, Buffalo, N. Y. Certain named machinery packing. No. 117,182; June 19; v. 239; p. 936.

Alphabetical list of registrants of trade-marks—Continued.

- Meuser & Meuser, Chicago, Ill. Duplicating-inks. No. 116,964; June 5; v. 239; p. 315.
- Mexican Petroleum Corporation, Los Angeles, Cal. Fuel-oils. No. 116,667; May 15; v. 238; p. 973.
- Mexican Petroleum Corporation, Los Angeles, Cal. Fuel-oils. No. 118,075; Aug. 14; v. 241; p. 618.
- Meyer, Bacharach & Friedheim, New York, N. Y. Cravats. No. 118,312; Aug. 28; v. 241; p. 1152.
- Meyer & Degerdon, New York, N. Y. Apples, coffee, oleo-margarin, and jelly. No. 115,367; Feb. 6; v. 235; p. 320.
- Meyer, Joseph V., St. Louis, Mo. Soap. No. 117,345; July 3; v. 240; p. 335.
- Meyer Mayers Inc., New York, N. Y. Petticoats. No. 117,896; Aug. 7; v. 241; p. 295.
- Meyer, Theodore F., Springfield, Mass. Bluing for laundry purposes. No. 117,690; July 24; v. 240; p. 1163.
- Meyers & Son, Louis, New York, N. Y. Washable leather. No. 115,205; Jan. 30; v. 234; p. 1579.
- Meyers & Son, Louis, New York, N. Y., assignor to Louis Meyers & Son, a Firm. Leather gloves. Nos. 118,070-1; Aug. 14; v. 241; p. 618.
- Meyers & Son, Louis, assignor to Louis Meyers & Son, a Firm, New York, N. Y. Leather gloves. No. 118,313; Aug. 28; v. 241; p. 1152.
- Michael, John M., Aberdeen, Md. Canned vegetables. No. 118,554; Sept. 18; v. 242; p. 745.
- Michael, John M., Aberdeen, Md. Canned vegetables. No. 118,798; Oct. 2; v. 243; p. 237.
- Michele Ajello Co. Inc., Brooklyn, N. Y. Canned olive-oil. No. 118,480; Sept. 18; v. 242; p. 743.
- Michelson & Bro., L., Baltimore, Md. Cigars. No. 118,985; Oct. 16; v. 243; p. 790.
- Miero Piston Ring Co., Inc., New York, N. Y. Piston-rings. No. 115,985; Mar. 27; v. 236; p. 1217.
- Mid-West Box Company, Anderson and Kokomo, Ind. Corrugated and fiber board for boxes and products made from such board. No. 116,668; May 15; v. 238; p. 973.
- Mid-West Creamery Company, The, Denver, Colo. Butter. Nos. 119,973-6; Dec. 25; v. 245; p. 1022.
- Midland Chemical Company, Dubuque, Iowa. Insecticides, germicides, disinfectants, &c. No. 119,099; Oct. 23; v. 243; p. 1061.
- Midland Milling Company, Kansas City, Mo. Wheat-flour. Nos. 119,461-2; Nov. 20; v. 244; p. 814.
- Midland Milling Company, The, Kansas City, Mo. Wheat-flour. No. 119,748; Dec. 11; v. 245; p. 549.
- Midland Milling Company, assignor to Midland Milling Company, Kansas City, Mo. Wheat-flour. Nos. 119,100-1; Oct. 23; v. 243; p. 1061.
- Midland Tire & Rubber Co., The, Cleveland, Ohio. Certain named tires, belting, hose, and tire-shoes. No. 116,966; June 5; v. 239; p. 315.
- Migel, Julius A., New York, N. Y. Broad silk in the piece. No. 115,206; Jan. 30; v. 234; p. 1579.
- Migliaccio, Ginevra, New York, N. Y. Candy. No. 117,574; July 17; v. 240; p. 937.
- Mihalovitch Brothers Company, The, Cincinnati, Ohio. Certain named non-alcoholic beverages. No. 116,341; Apr. 24; v. 237; p. 1215.
- Mihalovitch Brothers Company, The, Cincinnati, Ohio. Certain named chemicals and pharmaceutical preparations. No. 117,277; June 26; v. 239; p. 1206.
- Mikesell, L. F., Traverse City, Mich. Sweet apple cider sold as a soft drink. No. 115,100; Jan. 23; v. 234; p. 1308.
- Milbury Atlantic Mfg. Co., New York, N. Y. Bathing and gymnasium shoes of canvas, sateen, leather, &c. No. 116,669; May 15; v. 238; p. 973.
- Mill Remnants Company, New York, N. Y. Cotton remnants and cotton waste. No. 117,691; July 24; v. 240; p. 1163.
- Mill Remnants Company, New York, N. Y. Wiping and polishing cloths. No. 117,897; Aug. 7; v. 241; p. 295.
- Miller, James, Chelsea, Mass. Women's leather and canvas shoes. No. 118,904; Oct. 9; v. 243; p. 521.
- Miller, Annie J., Chicago, Ill. Pile-salve. No. 119,345; Nov. 13; v. 244; p. 560.
- Miller Chemicals, Inc., Bloomfield, N. J., and New York, N. Y. Liquid chemical to be added to gasoline to increase combustion and eliminate carbon. No. 116,342; Apr. 24; v. 237; p. 1215.
- Miller, E. R., Frederick, Md. Ointment especially prepared for the eye, ear, and nose and general use. No. 116,539; May 8; v. 238; p. 646.
- Miller-Elmer Manufacturing Co., Ltd., New Orleans, La. Candy. No. 115,368; Feb. 6; v. 235; p. 320.
- Miller, Israel, New York, N. Y. Fluid preparation for cleaning white leather or white fabrics. No. 115,101; Jan. 23; v. 234; p. 1308.
- Miller and Mabel Gray, Helen G., Washington, D. C. Frocks. No. 118,076; Aug. 14; v. 241; p. 618.
- Miller Rubber Company, The, Akron, Ohio. Double-thread-tire-repair patches, repair-boots. No. 115,980; Mar. 27; v. 236; p. 1217.
- Miller Rubber Company, The, Akron, Ohio. Toy balloons. No. 116,670; May 15; v. 238; p. 973.
- Miller Rubber Company, The, Akron, Ohio. Balloons. No. 117,771; July 31; v. 240; p. 1446.
- Miller Rubber Company, The, South Akron, Ohio. Rubber tires. No. 117,898; Aug. 7; v. 241; p. 296.
- Miller Rubber Company, The, Akron, Ohio. Tires (rubber) and tubing, (rubber.) No. 118,799; Oct. 2; v. 243; p. 237.
- Miller Safety Tooth Brush Company, Boston, Mass. Tooth, hair, and shaving brushes. No. 118,468; Sept. 11; v. 242; p. 513.
- Mills, Felix, Stone Bluff, Okla. Ointment for the treatment of sores, sore eyes, and eruption. No. 119,433; Nov. 20; v. 244; p. 813.
- Mills & Gibb Corporation, New York, N. Y. Cotton fabrics known as nainsooks and batistes. No. 118,905; Oct. 9; v. 243; p. 521.
- Mills and Gibb Corporation, New York, N. Y. Hair-nets. No. 118,906; Oct. 9; v. 243; p. 521.
- Mills & Gibb Corporation, New York, N. Y. Dress snap-fasteners. No. 119,102; Oct. 23; v. 243; p. 1061.
- Mills & Gibb Corporation, New York, N. Y. Snap-fasteners, safety-pins, collar-supporters, hooks and eyes. No. 119,977; Dec. 25; v. 245; p. 1022.
- Mills Novelty Company, Chicago, Ill. Sound-reproducers and phonographs. No. 118,314; Aug. 28; v. 241; p. 1152.
- Mills, William, Birmingham, England. Certain named explosives, firearms, equipments, and projectiles. No. 115,987; Mar. 27; v. 236; p. 1217.
- Millville Manufacturing Company, The, Philadelphia, Pa. Hemmed diapers. No. 116,671; May 15; v. 238; p. 973.
- Milo Beverage Co., Milwaukee, Wis. Non-intoxicating malt beverage sold as a soft drink. No. 118,469; Sept. 11; v. 242; p. 513.
- Milton Bradley Co., Springfield, Mass. Toy cannons. No. 114,804; Jan. 2; v. 234; p. 371.
- Milton Bradley Co., Springfield, Mass. Games. No. 115,483; Feb. 20; v. 235; p. 1049.
- Milton Bradley Co., Springfield, Mass. Games. No. 117,183; June 19; v. 239; p. 936.
- Milton Bradley Co., Springfield, Mass. Games. No. 118,856; Oct. 9; v. 243; p. 519.
- Min-Nix Company, Rochester, N. Y. Artificial lures—viz., spoons, wabblers, and spinners. No. 116,779; May 22; v. 238; p. 1326.
- Minassian, David D., New York, N. Y. Cigarettes. No. 116,967; June 5; v. 239; p. 315.
- Minick, William A., Glasgow, Ky. Remedy for certain named ailments and all skin diseases. No. 115,457; Feb. 13; v. 235; p. 692.
- Minnick, William A., Glasgow, Ky. Tonic for treatment of all diseases arising from an impure blood. No. 117,692; July 24; v. 240; p. 1163.
- Mint Products Company, Incorporated, New York, N. Y. Chewing-gum, candy, sweetmeats, and confections. No. 115,650; Feb. 27; v. 235; p. 1351.
- Mint Products Company, Incorporated, New York, N. Y. Chewing-gum, candy, sweetmeats, and confections. No. 115,895; Mar. 20; v. 236; p. 885.
- Mishawaka Woolen Manufacturing Company, Mishawaka, Ind. Light-weight rubbers. Nos. 116,914-16; June 5; v. 239; p. 314.
- Mishawaka Woolen Manufacturing Company, Mishawaka, Ind. Composition soles used on rubber and woolen footwear. No. 116,917; June 5; v. 239; p. 314.
- Misko Seal Beverage Company, Montpelier, Vt. Ginger-ale, sodas, and soft drinks. No. 114,805; Jan. 2; v. 234; p. 371.
- Mississippi Lumber Company, Chicago, Ill. Hardwood and pine lumber. No. 117,184; June 19; v. 239; p. 936.
- Mitchell, James W., Russellville, Ala. Compound to be dissolved in water with soap to clean fabrics. No. 117,346; July 3; v. 240; p. 335.
- Mitchell, Ralph, Aberdeen, Md. Canned vegetables. No. 118,428; Sept. 4; v. 242; p. 250.
- Mitchell Vance Company, assignor to Mitchell Vance Co. Inc., New York, N. Y. Electric-lighting fixtures. Nos. 119,907-8; Dec. 18; v. 245; p. 840.
- Mittelstaedt, Edward L., New York, N. Y. Hair-nets. No. 119,749; Dec. 11; v. 245; p. 549.
- Mixola Company, New Haven, Conn. Soft drinks. No. 118,555; Sept. 18; v. 242; p. 745.
- Mocha Pipe Company, Newark, N. J. Smoking-pipes. No. 116,780; May 22; v. 238; p. 1326.
- Model Milling & Elevator Company, The, Greeley and Denver, assignor to Colorado Milling & Elevator Co., Denver, Colo. Wheat-flour. Nos. 117,575-8; July 17; v. 240; p. 937.
- Model Mills Company, Philadelphia, Pa. Textile rugs. No. 116,672; May 15; v. 238; p. 973.
- Modern Flour Mills, Macon, Ga. Self-rising wheat-flour. Nos. 117,772-4; July 31; v. 240; p. 1446.
- Modern Flour Mills, Macon, Ga. Self-rising wheat-flour. Nos. 117,899-900; Aug. 7; v. 241; p. 296.
- Modern Flour Mills, Macon, Ga. Self-rising wheat-flour. No. 118,078; Aug. 14; v. 241; p. 618.
- Modern Flour Mills, Macon, Ga. Self-rising wheat-flour. No. 118,556; Sept. 18; v. 242; p. 745.
- Modern Machinery Co., Wilmington, Del. Certain named bottle washing, rinsing, and capping machines and allied machinery. No. 115,207; Jan. 30; v. 234; p. 1579.
- Mohawk Valley Supply Co., Inc., Herkimer, N. Y. Preparation for removing tar and similar spots from vehicle-bodies, fabrics, and the like. No. 118,557; Sept. 18; v. 242; p. 745.

- Molassine Company, Ltd., The, Greenwich and London, England. Fertilizer. No. 115,651; Feb. 27; v. 235; p. 1351.
- Mole & Sons, Robt., Birmingham, England. Sword-blades, matchets, and matchet-knives. No. 115,005; Jan. 16; v. 234; p. 1041.
- Moler, Arthur B., Chicago, Ill. Face-cream, hair-tonic, face-lotion for use after shave or when desired. No. 116,673; May 15; v. 238; p. 973.
- Moline Plow Co., Moline, Ill. Traction-engines. No. 118,684; Sept. 25; v. 242; p. 989.
- Molo Medicine Co., Chattanooga, Tenn. Chill-tonic. No. 115,458; Feb. 13; v. 235; p. 692.
- Monahan Medicine Co., Asheville, N. C. Remedy for trachoma and other affections of the eyes. No. 115,782; Mar. 6; v. 236; p. 279.
- Monarch Sanitary Stock Trough Company, Inc., Webster City, Iowa. Stock-feeding devices. No. 119,553; Nov. 27; v. 244; p. 1083.
- Moneyback Corporation, The, New York, N. Y. Trading-stamps. No. 115,652; Feb. 27; v. 235; p. 1351.
- Monitor Stove & Range Co., The, Cincinnati, Ohio. Hot-air furnaces. No. 116,781; May 22; v. 238; p. 1326.
- Monitor Stove & Range Co., The, Cincinnati, Ohio. Hot-air furnaces. No. 117,185; June 19; v. 239; p. 936.
- Monitor Stove & Range Co., The, Cincinnati, Ohio. Hot-air furnaces. No. 118,212; Aug. 21; v. 241; p. 907.
- Monitor Stove & Range Co., The, Cincinnati, Ohio. Monthly publication. No. 118,800; Oct. 2; v. 243; p. 237.
- Mono Service Cream Co., Knoxville, Tenn. Ice-cream, butter, milk, and sweet cream. No. 117,049; June 12; v. 239; p. 652.
- Monroe Drug Company, Quincy, Ill. Baking-powder. Nos. 114,806-7; Jan. 2; v. 234; p. 371.
- Montana Flour Mills Company, Lewistown, Mont. Wheat-flour. No. 118,315; Aug. 28; v. 241; p. 1152.
- Montgomery Ward & Co., Inc., New York, N. Y., and Chicago, Ill. Talking-machines. No. 114,903; Jan. 9; v. 234; p. 668.
- Montwid & Son, Victor, Milwaukee, Wis. Certain named clothing for children and workmen's shirts, overalls, and pants. No. 118,907; Oct. 9; v. 243; p. 521.
- Moore, Ernest, London, England. Preventive from mosquito-stings. No. 116,852; May 29; v. 238; p. 1636.
- Moorehead, Matthew T., West Lafayette, Ohio. Ointment for treating ulcers, running sores, swellings, and tuberculosis of the bones. No. 119,554; Nov. 27; v. 244; p. 1083.
- Moorhouse, William R., Pittsburgh, Pa. Coffee. No. 116,343; Apr. 24; v. 237; p. 1215.
- Moran, Frederick M., New York, N. Y. Paste paints, paint-colors. No. 119,909; Dec. 18; v. 245; p. 840.
- Morgen, Abraham H., New York, N. Y. Dresses and petticoats. No. 117,460; July 10; v. 240; p. 636.
- Morley, William H., Austin, Tex. Purely vegetable soap. No. 119,346; Nov. 13; v. 244; p. 560.
- Morris & Co., Baltimore, Md. Women's and children's blouses, coats, skirts, and bloomers. No. 117,347; July 3; v. 240; p. 335.
- Morris & Company, Baltimore, Md. Certain named clothing for men, women, and children. No. 114,808; Jan. 2; v. 234; p. 371.
- Morris and Company, Chicago, Ill. Pork, and particularly for pork cured with dry salt and plain pickle. No. 116,542; May 8; v. 238; p. 646.
- Morris, Goldschmidt and Company Incorporated, Chicago, Ill. Men's suits, overcoats, jackets, mackinaws, and ulsters. No. 115,653; Feb. 27; v. 235; p. 1351.
- Morris & Morris, Baltimore, Md. Soft drink. No. 115,369; Feb. 6; v. 235; p. 320.
- Morrison, James M., Fort Wayne, Ind. Preparation for the relief of stomach troubles, rheumatism, and kidney ailments. No. 119,095; Oct. 23; v. 243; p. 1061.
- Morristown Flour Mills, Morristown, Tenn. Wheat-flour. No. 115,783; Mar. 6; v. 236; p. 279.
- Morton & Maguire Inc., Paterson, N. J. Ready-mixed paints. No. 118,685; Sept. 25; v. 242; p. 989.
- Morton Sundour Fabrics, Ltd., Carlisle, England. Textile fabrics comprising cloths made from certain materials or a mixture of same. No. 118,686; Sept. 25; v. 242; p. 989.
- Mosby, William A., Marvell, Ark. Candles. No. 116,543; May 8; v. 238; p. 646.
- Moser, Byron W., St. Louis, Mo. Desk paper-weights. No. 114,904; Jan. 9; v. 234; p. 668.
- Moss, Louis N., New York, N. Y. Mint lozenges. No. 118,987; Oct. 16; v. 243; p. 790.
- Moss, Louis N., New York, N. Y. Mint lozenges. No. 119,463; Nov. 20; v. 244; p. 814.
- Mosso, Bessie L., Chicago, Ill. Dressing for open wounds and a liniment for external use for the relief of pain. No. 118,558; Sept. 18; v. 242; p. 745.
- Mothers Macaroni Company. (See Elsinger, Rudolf, assignor.)
- Mother's Macaroni Company, Minneapolis, Minn. Wheat breakfast foods. No. 115,209; Jan. 30; v. 234; p. 1579.
- Mother's Macaroni Company, Minneapolis, Minn. Macaroni. No. 115,988; Mar. 27; v. 236; p. 1217.
- Motion Picture News, Inc., New York, N. Y. Semi-annual publication. No. 116,152; Apr. 10; v. 237; p. 618.
- Motor Parts Company, Philadelphia, Pa. Electrical conductors or cables. No. 115,210; Jan. 30; v. 234; p. 1579.
- Motor Print Company, The, New York, N. Y. Monthly publication. No. 115,211; Jan. 30; v. 234; p. 1579.
- Motor Sales Garage Company, East Orange, N. J. Lubricating motor-oil. No. 118,687; Sept. 25; v. 242; p. 989.
- Motor-Steam Generator Co., Philadelphia, Pa. Steam-supplying attachment for internal-combustion engines. No. 118,077; Aug. 14; v. 241; p. 618.
- Motor World Publishing Co., The, New York, N. Y. Weekly publications. No. 115,370; Feb. 6; v. 235; p. 320.
- Motorade Chemical Co., Memphis, Tenn. Motor-fuel intensifier or improver. No. 119,555; Nov. 27; v. 244; p. 1083.
- Mount Vernon-Woodberry Mills, Incorporated, Baltimore, Md. Cotton duck. Nos. 116,442-3; May 1; v. 238; p. 306.
- Mouquin Restaurant & Wine Co. Ltd., New York, N. Y. Cigars. No. 118,317; Aug. 28; v. 241; p. 1153.
- Mrs. A. B. King, Incorporated, Philadelphia, Pa. Leather, rubber, and canvas shoes. No. 117,880; Aug. 7; v. 241; p. 295.
- Mu-Col Company, The, Buffalo, N. Y. Laxative preparation. No. 114,809; Jan. 2; v. 234; p. 371.
- Mueller & Co., R. S., Cleveland, Ohio. Electrical test-clips. No. 116,230; Apr. 17; v. 237; p. 914.
- Mueller, Curt B., Cleveland, Ohio. Tennis-rackets. No. 115,371; Feb. 6; v. 235; p. 320.
- Mueller-Keller Candy Co., St. Joseph, Mo. Candy. No. 117,775; July 31; v. 240; p. 1446.
- Mueller Wild Co., Milwaukee, Wis. Canned tomatoes, corn, peas, pork and beans, wax and refugee beans. No. 117,050; June 12; v. 239; p. 652.
- Muller, Gustav A. H., New York, N. Y. Dry paints. No. 114,810; Jan. 2; v. 234; p. 371.
- Muller, Gustav A. H., New York, N. Y. Ready-mixed paints. No. 117,261; June 26; v. 239; p. 1205.
- Muller, Maclean & Co., Inc., New York, N. Y. Iron and brass wood-screws. No. 115,784; Mar. 6; v. 236; p. 279.
- Multiplex Fuse Corporation, New York, N. Y. Electric fuse. No. 119,910; Dec. 18; v. 245; p. 840.
- Multipuli Manufacturing Company, St. Louis, Mo. A tool more particularly described as a folding windlass and its appurtenances. No. 119,611; Dec. 4; v. 245; p. 275.
- Munch Brewing Bottling Dept., Inc., New York and Brooklyn, N. Y. Beverage made from a compound of malt and hops and cereals. No. 116,544; May 8; v. 238; p. 646.
- Munising Paper Company, Munising, Mich. Bond and waxing papers. No. 115,102; Jan. 23; v. 234; p. 1308.
- Munsch, Albert A., Pittsburgh, Pa. Surgical dressing in the form of a wax. No. 119,103; Oct. 23; v. 243; p. 1061.
- Munyon's Homeopathic Home Remedy Co., Philadelphia, Pa. Nerve-tonic. No. 115,006; Jan. 16; v. 234; p. 1041.
- Muriglio, Rocco M. S. G., Morristown, N. J. Abscesses and cataracts. No. 118,559; Sept. 18; v. 242; p. 745.
- Murphy Oil Company, East Whittier, Cal. Lemons. No. 115,785; Mar. 6; v. 236; p. 279.
- Murphy Oil Company, East Whittier, Cal. Oranges, lemons, grape-fruit. No. 116,344; Apr. 24; v. 237; p. 1215.
- Murray, Charles H., New York, N. Y. Certain named foods. No. 119,348; Nov. 13; v. 244; p. 560.
- Murray, John F., New York, N. Y. Periodical issued monthly. No. 116,345; Apr. 24; v. 237; p. 1215.
- Murray, John F., New York, N. Y. Preparations for restoring the color to gray or faded hair. No. 119,911; Dec. 18; v. 245; p. 840.
- Mutual Coffee Co., Montgomery, Ala. Coffee and tea. No. 115,372; Feb. 6; v. 235; p. 320.
- Mutual Creamery Company, Salt Lake City, Utah. Creamery-butter. Nos. 117,186-7; June 19; v. 239; p. 936.
- Mutual Oil Company, Kansas City, Mo. Certain named oils and greases. No. 118,079; Aug. 14; v. 241; p. 618.
- Mutual Motor Stores Company, The, Cleveland, Ohio. Rubber-cement and tire-tape. No. 118,802; Oct. 2; v. 243; p. 237.
- Mutual Motor Stores Company, The, Cleveland, Ohio. Certain belting, hose, machinery packing, and non-metallic tires. No. 118,989; Oct. 16; v. 243; p. 790.
- Mutual Motor Stores Company, The, Cleveland, Ohio. Electric auto-horns, spark-plugs, batteries, and battery-boxes. No. 119,612; Dec. 4; v. 245; p. 275.
- Mutual Sales Co., Kansas City, Mo. Certain named chemicals, medicines, and pharmaceutical preparations. No. 117,349; July 3; v. 240; p. 335.
- Myers, Louis M., Chicago, Ill. Weighing-scale. No. 119,556; Nov. 27; v. 244; p. 1083.
- Myle Mayker Company, Chicago, Ill. Devices for regulating the supply of air to carburetors of automobile-engines. No. 116,076; Apr. 3; v. 237; p. 306.
- Mystic Manufacturing Company. (See Campbell, George W., assignor.)
- N. Erlanger, Blumgart & Co., New York, N. Y. Silk piece goods. Nos. 117,749-50; July 31; v. 240; p. 1445.
- N. K. Fairbank Company. (See Kelley, William J., assignor.)
- N. R. Allen's Sons Company, Kenosha, Wis. Sole-strips. No. 117,729; July 31; v. 240; p. 1445.

Alphabetical list of registrants of trade-marks—Continued.

- Naamlooze Vennootschap De Nederlandsche Thermo-Telefoon Maatschappij, Utrecht, Netherlands. Telephones and parts thereof. No. 119,104; Oct. 23; v. 243; p. 1061.
- Naas-Sanderson Co., Evansville, Ind. Coffee in packages. No. 117,051; June 12; v. 239; p. 652.
- Nagle & Son, W. E., Pittsburgh, Pa. High-speed-steel bars. No. 119,557; Nov. 27; v. 244; p. 1083.
- Nairn Linoleum Co., Kearny, N. J. Composition floor-covering. No. 119,349; Nov. 13; v. 244; p. 560.
- Narco Company, Minneapolis, Minn. An antiseptic powder for certain named uses. No. 119,350; Nov. 13; v. 244; p. 560.
- Nashua Manuf'g Company, Nashua, N. H. Pure cotton blankets. No. 118,908; Oct. 9; v. 243; p. 521.
- Nathan and Cohen Co. Inc., New York, N. Y. Cotton piece goods. No. 117,461; July 10; v. 240; p. 636.
- Nathan, Max, New York, N. Y. Snap-fasteners for feminine apparel. No. 116,346; Apr. 24; v. 237; p. 1215.
- National Abrasive Company, The, Amesbury and Boston, Mass. Natural and artificial abrasives in comminuted form for use in grinding. No. 118,990; Oct. 16; v. 243; p. 790.
- National Acme Company, The, Cleveland, Ohio. Taps and thread-cutting metal-working tools. No. 119,558; Nov. 27; v. 244; p. 1083.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. No. 116,347; Apr. 24; v. 237; p. 1215.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. No. 117,462; July 10; v. 240; p. 637.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit, bread, sugar wafers, and candy. No. 118,318; Aug. 28; v. 241; p. 1153.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. No. 119,200; Oct. 30; v. 243; p. 1306.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. No. 119,751; Dec. 11; v. 245; p. 549.
- National Blank Book Co., Holyoke, Mass. Blank books and writing-paper. No. 115,530; Feb. 20; v. 235; p. 1051.
- National Brewing Company, New Orleans, La. Cereal beverages, fermented and flavored with hops. No. 119,105; Oct. 23; v. 243; p. 1061.
- National Candy Company, Jersey City, N. J., and St. Louis, Mo. Candies. No. 118,560; Sept. 18; v. 242; p. 745.
- National Candy Company, Jersey City, N. J., and St. Louis, Mo. Burnt peanuts. No. 118,991; Oct. 16; v. 243; p. 790.
- National Carbon Company, Cleveland, Ohio, assignor to National Carbon Co. Arc lamp electrodes. No. 117,188; June 19; v. 239; p. 936.
- National Carbon Company, Long Island City, N. Y. Portable electric lights and dry batteries. No. 117,262; June 26; v. 239; p. 1205.
- National Checking Company, St. Paul, Minn. Dairy, ice, merchandise, and lunch coupons. No. 117,463; July 10; v. 240; p. 637.
- National Chemical Co., Clinton, Iowa. Compound for closing holes or punctures in pneumatic tires. No. 118,909; Oct. 9; v. 243; p. 521.
- National Fruit Juice Company, La Fayette, Ind. Apple-juice. No. 117,189; June 19; v. 239; p. 936.
- National Garment Company, The, Massillon, Ohio. Petticoats. No. 115,654; Feb. 27; v. 235; p. 1351.
- National Gauge & Equipment Co., La Crosse, Wis. Temperature-gages. No. 115,007; Jan. 16; v. 234; p. 1041.
- National Grocery Co., Seattle, Wash. Vinegar and dried fruits. No. 117,693; July 24; v. 240; p. 1163.
- National Importing Co., Boston, Mass. Bread, toast, and potato-starch. No. 117,464; July 10; v. 240; p. 637.
- National Industrial Conference Board, Boston, Mass. Periodicals issued weekly. No. 119,351; Nov. 13; v. 244; p. 560.
- National Lead Company, New York, N. Y. Ready-mixed paint. No. 118,803; Oct. 2; v. 243; p. 237.
- National Licorice Co., Brooklyn, N. Y. Manufactured licorice. No. 116,153; Apr. 10; v. 237; p. 618.
- National Macaroni Company, Libertyville, Ill. Macaroni, spaghetti, and noodles. No. 118,319; Aug. 28; v. 241; p. 1153.
- National Malleable Castings Company, The, Cleveland, Ohio. Iron and steel castings. No. 115,858; Mar. 13; v. 236; p. 591.
- National Milling and Chemical Co., Philadelphia, Pa. Bleaching and water-softening compound. No. 115,786; Mar. 6; v. 236; p. 279.
- National Paper Products Company, San Francisco, Cal. Disinfectant. No. 116,348; Apr. 24; v. 237; p. 1215.
- National Paper Products Company, San Francisco, Cal. Insecticide. No. 116,349; Apr. 24; v. 237; p. 1215.
- National Paper Products Company, San Francisco, Cal. Stock-dip, insecticides, germicides, disinfectants. No. 116,350; Apr. 24; v. 237; p. 1215.
- National Paper Products Company, San Francisco, Cal. Floor dressings and polishes. No. 116,782; May 22; v. 238; p. 1326.
- National Papeterie Company, Springfield, Mass. Printing and writing papers. No. 116,675; May 15; v. 238; p. 973.
- National Petroleum Publishing Company, The, Cleveland, Ohio. Monthly periodical. No. 116,968; June 5; v. 239; p. 316.
- National Radiator Company, Johnstown, Pa. Cast-iron boilers and radiators for steam and hot-water heat. No. 118,992; Oct. 16; v. 243; p. 790.
- National Safety Appliance Company, The, San Francisco, Cal. Certain named cutlery, machinery, and tools, and parts thereof. No. 115,655; Feb. 27; v. 235; p. 1351.
- National Safety Appliance Company, The, San Francisco, Cal. Certain named electrical apparatus and supplies. No. 117,579; July 17; v. 240; p. 937.
- National Smelting & Refining Corporation, New York, N. Y. Platinum, gold, and silver solders. No. 117,263; June 26; v. 239; p. 1205.
- National Stamping & Electric Works, Chicago, Ill. Gasoline-burning lanterns. No. 117,904; Aug. 7; v. 241; p. 296.
- National Supply Company, The, Toledo, Ohio. Certain named belting, hose, tubing, packing, gaskets, and washers. No. 118,561; Sept. 18; v. 242; p. 745.
- National Supply Company, The, Toledo, Ohio. Leather belting and laces, washers, gaskets, and packing. No. 119,752; Dec. 11; v. 245; p. 549.
- National Supply Company, The, Toledo, Ohio. Certain named burners, stoves, mantles, mixers, &c. No. 119,753; Dec. 11; v. 245; p. 549.
- National Tire & Rubber Company, The, East Palestine, Ohio. Automobile tire-casings and tire-tubes. No. 114,811; Jan. 2; v. 234; p. 371.
- National Tire & Rubber Company, The, East Palestine, Ohio. Automobile tire casings and tire tubes composed of rubber. No. 115,531; Feb. 20; v. 235; p. 1051.
- National X-Ray Reflector Company, Chicago, Ill. Metal reflectors. No. 114,812; Jan. 2; v. 234; p. 371.
- Natski Medicine Company, Moweaqua, Ill. Blood-purifier. No. 115,787; Mar. 6; v. 236; p. 279.
- Naumkeag Steam Cotton Co., Salem, Mass. Sheets and pillow-cases. No. 118,910; Oct. 9; v. 243; p. 521.
- Nave-McCord Mercantile Co., St. Joseph, Mo. Certain named medicines and pharmaceutical preparations. No. 114,813; Jan. 2; v. 234; p. 371.
- Nave-McCord Mercantile Co., St. Louis, Mo. Certain named foods. Nos. 114,814-15; Jan. 2; v. 234; p. 371.
- Nave-McCord Mercantile Co., St. Joseph, Mo. Coffee. No. 117,580; July 17; v. 240; p. 937.
- Nave-McCord Mercantile Co., St. Joseph, Mo. Certain named foods. No. 119,352; Nov. 13; v. 244; p. 560.
- Naya Company, New York, N. Y. Hair-tonic. No. 116,444; May 1; v. 238; p. 306.
- Neal, John N., Coldwater, Mich. Puncture-proof solution. No. 115,532; Feb. 20; v. 235; p. 1051.
- Neal, John W., Cincinnati, Ohio. Cleaner for gloves and shoes. No. 118,320; Aug. 28; v. 241; p. 1153.
- Neclax, John, New Haven, Conn. Preparation for the treatment of the scalp. No. 117,350; July 3; v. 240; p. 335.
- Needham, George W., Formosa, Ark. Liquid preparation and a salve for use in the treatment of the eyes. No. 117,351; July 3; v. 240; p. 335.
- Neef Bros. Brewing Company, The, Denver, Colo. Near beer. No. 118,688; Sept. 25; v. 242; p. 989.
- Neenah Paper Company, Neenah, Wis. Bond and ledger paper. No. 115,008; Jan. 16; v. 234; p. 1041.
- Neenah Paper Company, Neenah, Wis. Ledger-paper. No. 118,213; Aug. 21; v. 241; p. 907.
- Neenah Paper Company, Neenah, Wis. Bond, ledger, and writing papers. No. 119,559; Nov. 27; v. 244; p. 1083.
- Neff, George L., Pittsburgh, Pa. Baking-powder. No. 119,353; Nov. 13; v. 244; p. 560.
- Nekoosa-Edwards Paper Company, Port Edwards, Wis. Wrapping-paper. No. 119,754; Dec. 11; v. 245; p. 549.
- Nelson, Augusta, Seattle, Wash. Hair-tonics. No. 115,103; Jan. 23; v. 234; p. 1308.
- Nelson Bros. Co., Saginaw, Mich. Motor-trucks and radiator-frames thereof. No. 119,755; Dec. 11; v. 245; p. 549.
- Nelson H. Brown, Boston, Mass. Clocks. No. 118,381; Sept. 4; v. 242; p. 249.
- Nelson-Rhoads Candy Co., The, Denver, Colo. Chocolates. No. 117,190; June 19; v. 239; p. 936.
- Neptune Meter Company, Jersey City, N. J., and New York, N. Y. Water and other fluid meters and parts thereof. No. 117,581; July 17; v. 240; p. 937.
- Nettles Co., S. S., The, Montgomery, Ala. Laxative tablet. No. 116,546; May 8; v. 238; p. 646.
- Neumaier, Eugene, New York, N. Y. Curtains of knitted, netted, and textile fabrics trimmed with lace, and material for making same. No. 117,776; July 31; v. 240; p. 1446.
- Neuman, Samuel, Chicago, Ill. Deodorizer and disinfectant. No. 117,352; July 3; v. 240; p. 335.
- Neuss, Hessel & Co., New York, N. Y. Woven cotton piece goods. No. 116,231; Apr. 17; v. 237; p. 914.
- Neustadter Bros., San Francisco, Cal. Coats, blouses, jumpers, jackets, aprons, overalls, trousers, and outer shirts. No. 119,354; Nov. 13; v. 244; p. 560.
- Nevertear Hose Supporter Co., New York, N. Y. Garter-clasps. No. 117,694; July 24; v. 240; p. 1163.
- New Chicago Crucible Co., Chicago, Ill. Crucibles. No. 119,878; Dec. 18; v. 245; p. 839.

- New Hampton Mills, New York, N. Y. Silk and cotton fabric in the piece. No. 116,232; Apr. 17; v. 237; p. 914.
- New Orleans Bottling Co., Inc., New Orleans, La. Non-alcoholic beverages sold as soft drinks. No. 117,582; July 17; v. 240; p. 937.
- New Orleans Coffee Co. Ltd., New Orleans, La. Rice. No. 115,213; Jan. 30; v. 234; p. 1579.
- New Orleans Coffee Co. Ltd., New Orleans, La. Coffee. No. 115,657; Feb. 27; v. 235; p. 1351.
- New Orleans Coffee Co. Ltd., New Orleans, La. Syrup and coffee. No. 115,989; Mar. 27; v. 236; p. 1217.
- New Orleans Coffee Co. Ltd., New Orleans, La. Rice. Nos. 115,990-1; Mar. 27; v. 236; p. 1217.
- New Orleans Coffee Co. Ltd., New Orleans, La. Rice. No. 116,352; Apr. 24; v. 237; p. 1215.
- New Prague Flouring Mill Company, New Prague, Minn. Wheat-flour. No. 115,214; Jan. 30; v. 234; p. 1579.
- New World Ginseng Company, New York, N. Y. Certain named chemicals, medicines, and pharmaceutical preparations. No. 119,560; Nov. 27; v. 244; p. 1083.
- New York Belting and Packing Company, New York, N. Y. Machinery belting composed of rubber and fabric. Nos. 115,788-9; Mar. 6; v. 236; p. 279.
- New York Blue Print Paper Company, New York, N. Y. Blue-print paper. No. 119,106; Oct. 23; v. 243; p. 1061.
- New York Color & Chemical Co., Inc., New York, N. Y. Anilin colors. No. 119,355; Nov. 13; v. 244; p. 560.
- New York Evening Post Co., New York, N. Y. Pamphlets published from time to time at intervals. No. 119,356; Nov. 13; v. 244; p. 560.
- New York Grocery Company, Newark, N. J. Coffee. No. 118,562; Sept. 18; v. 242; p. 745.
- New York Mackintosh Clothing Company, New York, N. Y. Waterproof clothing. No. 115,459; Feb. 13; v. 235; p. 692.
- New York Mills Corporation, New York Mills, N. Y. Velvets and velveteens. No. 116,969; June 5; v. 239; p. 316.
- New York Mills Corporation, New York Mills, N. Y. Waterproof fabrics in the piece. No. 119,912; Dec. 18; v. 245; p. 840.
- New York Rubber Company, Matteawan and New York, N. Y. Rubber belting and hose. Nos. 119,357-8; Nov. 13; v. 244; p. 560.
- New York Shield Company, The, New York, N. Y. Perfumery, toilet waters, face-powders, and pastes. No. 116,077; Apr. 3; v. 237; p. 306.
- New York Stamping Company, Brooklyn, N. Y. Fry-pans. No. 119,107; Oct. 23; v. 243; p. 1062.
- New York Steel & Copper Plate Co., Brooklyn, N. Y. Blank copper and zinc plates and blank steel dies for engravers' and etchers' use. No. 119,561; Nov. 27; v. 244; p. 1083.
- Newberry-Edmondson Co., Grand Island, Nebr. Rheumatism and neuritis medicine. No. 115,009; Jan. 16; v. 234; p. 1042.
- Newell & Bro., San Francisco, Cal. Scouring-soap. No. 117,695; July 24; v. 240; p. 1163.
- Newell & Bro., San Francisco, Cal. Kitchen and laundry soap. No. 117,696; July 24; v. 240; p. 1163.
- Newell & Bro., San Francisco, Cal. Scouring-soap. No. 117,697; July 24; v. 240; p. 1163.
- Newgass, George W., New York, N. Y. Motion-picture-projecting apparatus and parts thereof. No. 115,212; Jan. 30; v. 234; p. 1579.
- Newgass, Edw'd., New York, N. Y. Certain named female wearing-apparel. No. 118,214; Aug. 21; v. 241; p. 907.
- Newgass, Edw'd., New York, N. Y. Certain named female wearing-apparel. No. 118,911; Oct. 9; v. 243; p. 521.
- Newman, Solomon, New York, N. Y. Trousers and rain-coats. No. 115,373; Feb. 6; v. 235; p. 320.
- Newmark, Samuel M., Los Angeles, Cal. Coffee, cinnamon, tea, lemon extract for food-flavoring purposes. No. 118,215; Aug. 21; v. 241; p. 907.
- Newmark, Samuel M., Los Angeles, Cal. Coffee. No. 118,216; Aug. 21; v. 241; p. 907.
- Newspaper Enterprise Association, The, Cleveland, Ohio. Newspaper publications. No. 117,698; July 24; v. 240; p. 1163.
- Newspaper Feature Service Inc., New York, N. Y. Newspaper-section. No. 115,010; Jan. 16; v. 234; p. 1042.
- Newspaper Feature Service, Inc., New York, N. Y. Newspaper-section. No. 117,465; July 10; v. 240; p. 637.
- Newton, Henry, Waterville, Wash. Ointment. No. 119,756; Dec. 11; v. 245; p. 549.
- Newton Milling & Elevator Co., The, Newton, Kans. Wheat-flour. No. 117,583; July 17; v. 240; p. 937.
- Niagara Silk Mills, North Tonawanda, N. Y. Cotton goods in the piece. No. 116,445; May 1; v. 238; p. 306.
- Niagara Silk Mills, North Tonawanda, N. Y. Certain named women's clothing. No. 116,970; June 5; v. 239; p. 316.
- Niana Pure Food Company, Waukesha, Wis. Food product consisting of prepared animal milk. No. 116,783; May 22; v. 238; p. 1326.
- Nichols, Horace C., Brookline, Mass. Sewer and like traps, union sleeves, studs, and quarter-bends, tray legs and brackets. No. 115,859; Mar. 13; v. 236; p. 591.
- Nicolai Door Manufacturing Co., Portland, Oreg. Portable houses. No. 116,351; Apr. 24; v. 237; p. 1215.
- Nieman, John H., Clay Center, Nebr. Balm for external use for the alleviation of affections of the skin. No. 117,905; Aug. 7; v. 241; p. 296.
- Nikolow, George, New York, N. Y. Remedy for rheumatism. No. 115,460; Feb. 13; v. 235; p. 692.
- Niles-Bement-Pond Company, New York, N. Y. Certain named cutlery, machinery, and tools, and parts thereof. No. 118,689; Sept. 25; v. 242; p. 989.
- Nisbet, Theodore B., New York, N. Y. Automobile windshields. No. 117,906; Aug. 7; v. 241; p. 296.
- Nobscot Mountain Spring Co., Boston, Mass. Still and sparkling or carbonated waters, ginger-ale, and tonics and soft drinks. No. 116,078; Apr. 3; v. 237; p. 306.
- Nocatee Citrus Growers' Association, Nocatee, Fla. Oranges, grape-fruit, lemons, and all citrus fruits. No. 116,676; May 15; v. 238; p. 973.
- Nocatee Citrus Growers' Association, Nocatee, Fla. Oranges, grape-fruit, lemons, and all citrus fruits. No. 117,052; June 12; v. 239; p. 652.
- Noe & Sons, Wm. R., New York, N. Y. Watchmen's whistles. No. 115,533; Feb. 20; v. 235; p. 1051.
- Nonotuck Silk Company, Northampton, Mass. Piece goods made of silk. No. 118,912; Oct. 9; v. 243; p. 521.
- Nonotuck Silk Company, Northampton, Mass. Thread and yarn made of silk, cotton, or wool. No. 118,993; Oct. 16; v. 243; p. 790.
- Nonotuck Silk Company, Northampton, Florence, Mass. Thread and yarn made of silk, cotton, or wool. No. 119,757; Dec. 11; v. 245; p. 549.
- Norfolk Woolen Co., Franklin, Mass. Harness and saddle pads. No. 115,374; Feb. 6; v. 235; p. 320.
- Normandie Co., Norfolk, Va. Non-alcoholic beverages sold as a soft drink. Nos. 119,231-2; Nov. 6; v. 244; p. 287.
- Normandy, Charles O., Malden, Mass. Leather boots and shoes. No. 118,913; Oct. 19; v. 243; p. 521.
- Norris, Alister-Ball Company, The, Chicago, Ill. Annual catalogue or illustrated price-list for the jeweler's trade. No. 115,790; Mar. 6; v. 236; p. 279.
- North American Watch Co. Inc., Mansfield, Ohio. Clocks and watches and the works for the same. No. 117,053; June 12; v. 239; p. 652.
- North American Watch Co. Inc., Mansfield, Ohio. Certain named jewelry and precious-metal ware. No. 119,562; Nov. 27; v. 244; p. 1083.
- North Atlantic Metal Corporation, New York, N. Y. Babbitt and antifriction metals. No. 115,860; Mar. 13; v. 236; p. 592.
- North Western Company, Chicago, Ill. Soft drink or beverage. No. 116,918; June 5; v. 239; p. 314.
- North Western Steel & Iron Works, Eau Claire, Wis. Steam-pressure canning outfits, including steam-pressure sterilizers. No. 119,360; Nov. 13; v. 244; p. 560.
- Northam Warren Corporation, New York, N. Y. Certain named chemical and pharmaceutical preparations. No. 117,353; July 3; v. 240; p. 335.
- Northam Warren Corporation, New York, N. Y. Manicure buffers, sticks, and files, emery-boards. No. 117,584; July 17; v. 240; p. 937.
- Northeastern Company, The, Boston, Mass. Wood-preservation, fungicides, insecticides and disinfectants. No. 119,359; Nov. 13; v. 244; p. 560.
- Northern Insecticide Specialty Co., Hermon, N. Y. Insecticide, germ-killer and disinfectant, fly-killer and insecticide. No. 117,699; July 24; v. 240; p. 1163.
- Northern Insulating Company, St. Paul, Minn. Felted-vegetable-fiber heat-insulating material. No. 115,375; Feb. 6; v. 235; p. 320.
- Northern Paper Mills, Green Bay, Wis. Certain named paper and stationery. No. 115,376; Feb. 6; v. 235; p. 320.
- Northwestern Manufacturing Company, The, Milwaukee, Wis. Electric motors, dynamos, &c. No. 118,690; Sept. 25; v. 242; p. 989.
- Norton Brothers Company, The, Cleveland, Ohio. Roofing-felt or the like. No. 119,758; Dec. 11; v. 245; p. 549.
- Nortrop Cabarrus Co., Inc., New Orleans, La. Pepper sauce. No. 118,321; Aug. 28; v. 241; p. 1153.
- Nortrop Cabarrus Co., Inc., New Orleans, La. Coffee. No. 118,322; Aug. 28; v. 241; p. 1153.
- Nortrop Cabarrus Co., Inc., New Orleans, La. Coffee, pepper sauce, preserved, conserved, dried, canned, and fresh fruits, banana-flour and canned and fresh vegetables, &c. No. 119,361; Nov. 13; v. 244; p. 560.
- Noryzon Company, Inc., The, New York, N. Y. Nasal saline. No. 116,547; May 8; v. 238; p. 646.
- Nourse, John C., Kansas City, Mo. Harness-oil. No. 117,700; July 24; v. 240; p. 1163.
- Nova Manufacturing Co., Inc., New York, N. Y. Electric-flash-light batteries and casings therefor. No. 115,992; Mar. 27; v. 236; p. 1217.
- Novelty Candy Company, New York, N. Y. Candy. No. 119,464; Nov. 20; v. 244; p. 814.
- Novelty Mill Company, Seattle, Wash. Wheat flour and cereal. No. 117,191; June 19; v. 239; p. 936.
- Noyes Bros. & Cutler, Inc., St. Paul, Minn. Phonographs. No. 118,323; Aug. 28; v. 241; p. 1153.
- Noyes-Norman Shoe Co., St. Joseph, Mo. Men's and youths' leather boots and shoes. No. 115,215; Jan. 30; v. 234; p. 1579.
- Nu-Ex Fire Appliance Co., The, Columbus, Ohio. Fire-extinguishing compound. No. 116,548; May 8; v. 238; p. 646.
- Nusbaum & Brennerman, Seattle, Wash. Dandruff-remover. No. 115,012; Jan. 16; v. 234; p. 1042.

Alphabetical list of registrants of trade-marks—Continued.

- Nusystem Jewelry Mfg. Co. Inc., New York, N. Y. Jewelry for personal wear—viz., rings. No. 118,994; Oct. 16; v. 243; p. 790.
- Nut Products Co., New Haven, Conn. Nut paste for the preparation of certain named foods. No. 118,564; Sept. 18; v. 242; p. 745.
- Nutty McNutt, Incorporated, New York, N. Y. Nut confection. No. 117,455; July 10; v. 240; p. 636.
- Nyal Company, Detroit, Mich. Concentrated lime-juice beverage. No. 119,201; Oct. 30; v. 243; p. 1306.
- Nye, Alvin J., Orlando, Fla. Citrus fruits. No. 115,993; Mar. 27; v. 236; p. 1217.
- Nye, Arthur J., Walla Walla, Wash. Soldering compound. No. 115,791; Mar. 6; v. 236; p. 279.
- Nygaard, John O., Christiania, Norway. Press-buttons or separable fasteners. No. 117,192; June 19; v. 239; p. 936.
- O. B. Andrews' Company, Chattanooga, Tenn. Certain named poultry appliances. No. 115,139; Jan. 30; v. 234; p. 1577.
- O. C. Hansen Mfg. Company, Milwaukee, Wis. Gloves. No. 114,971; Jan. 16; v. 234; p. 1040.
- O'Brien-Ilicks Iceless Container Co., New York, N. Y. Heat-insulating cans. No. 119,233; Nov. 6; v. 244; p. 287.
- O'Brien Varnish Co., The, South Bend, Ind. Ready-mixed white enamel paint. No. 119,202; Oct. 30; v. 243; p. 1306.
- O'Connor, James, New York, N. Y. Electric lamps. No. 115,216; Jan. 30; v. 234; p. 1579.
- O'Dell, Lulu, St. Louis, Mo. Preparation used in dressing and growing hair. No. 116,154; Apr. 10; v. 237; p. 618.
- O'Grady, John H., Chicago, Ill. Antiseptic preparation for diseases of the skin. No. 115,217; Jan. 30; v. 234; p. 1579.
- O-M Specialty Company, Chicago, Ill. Polish for the finger-nails. No. 115,994; Mar. 27; v. 236; p. 1217.
- O' Riely, Cornelius J., Los Angeles, Cal. Certain named games, toys, and sporting goods. No. 115,534; Feb. 20; v. 235; p. 1051.
- O'Sullivan Rubber Company, Portland, Me., and New York, N. Y. Rubber heels for boots and shoes. No. 117,778; July 31; v. 240; p. 1446.
- Oakland Motor Car Co. of Michigan, Pontiac, Mich. Automobiles. No. 118,565; Sept. 18; v. 242; p. 745.
- Oakland Paving Company, The, Oakland, Cal. Asphaltic road-surfacing materials. No. 117,585; July 17; v. 240; p. 937.
- Oakley Varnish Co., Los Angeles, Cal. Ready-mixed paints. No. 116,079; Apr. 3; v. 237; p. 306.
- Obermeyer & Liebmann, Brooklyn, N. Y. Non-alcoholic beverages prepared from selected barley-malt, rice, and hops. No. 115,792; Mar. 6; v. 236; p. 279.
- Octava Co., The, Lake Placid, N. Y. Toilet preparations for the skin. No. 117,701; July 24; v. 240; p. 1163.
- Odenwelder, Asher J., Jr., Easton, Pa. Liquid preparation intended to destroy all kinds of minute vermin affecting the human body. No. 119,362; Nov. 13; v. 244; p. 560.
- Odier, Robert A., Geneva, Switzerland. Lotions, pomades, and powders for use in the treatment of wounds. No. 115,793; Mar. 6; v. 236; p. 279.
- Oehler, Sophia W., Carlstadt, N. J. Lotions for the cure of sore nipples, chapped hands and lips, burns, and bruises. No. 119,363; Nov. 13; v. 244; p. 560.
- Offray, Claudius M., New York, N. Y. Narrow fabrics—viz., ribbons and silk piece goods. No. 118,914; Oct. 9; v. 243; p. 521.
- Ogilvie Flour Mills Company, Limited, Montreal, Quebec, Canada. Wheat-flour. No. 119,465; Nov. 20; v. 244; p. 814.
- Ohio Brass Company, The, Mansfield, Ohio. Trolley-wire clamps. No. 115,861; Mar. 13; v. 236; p. 592.
- Ohio Butterine Co., The, Cincinnati, Ohio. Oleomargarin. No. 117,586; July 17; v. 240; p. 937.
- Ohio State Stove Co., The, Columbus, Ohio. Metal kitchen cabinets, tables, and stools. No. 116,853; May 29; v. 238; p. 1636.
- Ohio State Stove Co., The, Columbus, Ohio. Wood, coal, gas, oil, and vapor stoves and ranges. No. 116,971; June 5; v. 239; p. 316.
- Ohki, Shinzo, Detroit, Mich. Sauce for meats, fish, chop-suey. No. 118,217; Aug. 21; v. 241; p. 907.
- Okanogan Growers Union, Okanogan, Wash. Fresh apples in boxes. No. 116,353; Apr. 24; v. 237; p. 1215.
- Old-Wil Publishing Co., Milwaukee, Wis. Language-teaching publications, and particularly for such publications in card form. No. 115,378; Feb. 6; v. 235; p. 320.
- Oliver Brothers, Inc., New York, N. Y. Fire-brick, lining for furnaces, smelters, boilers, cupolas, stoves. No. 117,193; June 19; v. 239; p. 936.
- Olivoint Chemical Company, San Francisco, Cal. Skin irritations, sun and wind burn, poison-oak, cuts, &c. No. 118,566; Sept. 18; v. 242; p. 745.
- Olmstead Quabog Corset Company, West Brookfield, Mass. Corsets. No. 117,777; July 31; v. 240; p. 1446.
- Omaha Beverage Company, Omaha, Nebr. Non-alcoholic beverage sold as a soft drink. No. 116,974; June 5; v. 239; p. 316.
- Omaha Beverage Company, Omaha, Nebr. Non-intoxicating non-alcoholic beverage sold as a soft drink. No. 119,203; Oct. 30; v. 243; p. 1306.
- Omega Chemical Company, The, New York, N. Y. Tooth-paste. No. 117,908; Aug. 7; v. 241; p. 296.
- Oneida Community, Limited, Oneida, N. Y. Animal-traps. No. 118,567; Sept. 18; v. 242; p. 745.
- Oneida Community, Limited, Oneida, N. Y. Animal-traps. Nos. 119,204-7; Oct. 30; v. 243; p. 1306.
- Onondaga Steel Company, Incorporated, Syracuse, N. Y. Steel. No. 117,194; June 19; v. 239; p. 936.
- Operollo Phonograph Co. (See Silwiersky, Arthur, as-signor.)
- Oppenheim, Collins & Company, New York, New York, N. Y. Certain named clothing. No. 114,905; Jan. 9; v. 234; p. 668.
- Optimus Manufacturing Co., Boston, Mass. Polishes for automobile-bodies. No. 117,587; July 17; v. 240; p. 937.
- Opurgo Co., Chattanooga, Tenn. Cathartic pills. No. 114,816; Jan. 2; v. 834; p. 371.
- Ordinator Company, Inc., New York, N. Y. Metal shade-fittings. No. 118,805; Oct. 2; v. 243; p. 237.
- Oriental Candy Company, Chicago, Ill. Candy-corn and marshmallow-biscuit. No. 115,461; Feb. 13; v. 235; p. 692.
- Ornstein, Jacob W., Cincinnati, Ohio. Ladies' ready-to-wear garments—namely, skirts, petticoats, and waists. No. 119,208; Oct. 30; v. 243; p. 1306.
- Orrs Zinc White Limited, London and Widnes, England. Pigments for use in the rubber and lineoleum industries. No. 115,379; Feb. 6; v. 235; p. 320.
- Orton, Edward, Jr., Columbus, Ohio. Standard pyrometric cones. No. 118,691; Sept. 25; v. 242; p. 989.
- Ostby and Barton Company, Providence, R. I. Finger-rings and card jewelry. No. 115,104; Jan. 23; v. 234; p. 1308.
- Ostermoor & Co., New York, N. Y. Mattresses, pillows, bolsters, cushions, and bedsteads. No. 117,909; Aug. 7; v. 241; p. 296.
- Otis Elevator Company, Jersey City, N. J., and New York, N. Y. Elevators. No. 116,080; Apr. 3; v. 237; p. 306.
- Otto Eisenlohr & Bros. Incorporated, Philadelphia, Pa. Cigars. No. 114,955; Jan. 16; v. 234; p. 1040.
- Otto Higeli Company, Inc., Buffalo, N. Y. Player-actions for pianos. No. 117,255; June 26; v. 239; p. 1205.
- Otto Higeli Company, Inc., New York, N. Y. Electric motor-driven pump. No. 117,559; July 17; v. 240; p. 936.
- Ottumwa Serum Co., Ottumwa, Iowa. Anti-hog-cholera serum and hog-cholera virus. No. 119,364; Nov. 13; v. 244; p. 560.
- Overseas Products Corporation, New York, N. Y. Canned goods. No. 117,195; June 19; v. 239; p. 936.
- Overseas Products Corporation, New York, N. Y. Canned chicken, à la King, canned chicken soup, canned tomato soup. No. 119,108; Oct. 23; v. 243; p. 1062.
- Owen, Charles A., Syracuse, N. Y. Dairy-culture. No. 116,446; May 1; v. 238; p. 306.
- Owen Magnetic Car Co. of Philadelphia, The, Wilmington, Del., and Philadelphia, Pa. Automobiles. No. 118,806; Oct. 2; v. 243; p. 237.
- Owens, George L., Sioux City, Iowa. Medicated salt preparations for live stock. No. 118,568; Sept. 18; v. 242; p. 745.
- Owings, Matthew R. D., Chicago, Ill. Trailer-truck for attachment to automobiles. No. 119,209; Oct. 30; v. 243; p. 1306.
- Oxford-Print, Boston, Mass. Cardboard cut-out toys. No. 115,380; Feb. 6; v. 235; p. 320.
- P. Ballantine & Sons, Newark, N. J. Ginger-ale. No. 117,241; June 26; v. 239; p. 1205.
- P. Ballantine & Sons, Newark, N. J. Certain named non-alcoholic beverages. No. 119,029; Oct. 23; v. 243; p. 1059.
- P. Ballantine & Sons, Newark, N. J. Lager-beer. No. 119,244; Nov. 13; v. 244; p. 557.
- P. Ballantine & Sons, Newark, N. J. Certain named non-alcoholic beverages. No. 119,863; Dec. 18; v. 245; p. 839.
- P. C. Knowlton Co., Inc., successors to Baldwin, Knowlton & Lake, Memphis, Tenn. Coffee, butter, and rice. No. 115,768; Mar. 6; v. 236; p. 278.
- P. E. Harris & Co., Seattle, Wash. Canned salmon. No. 117,139; June 19; v. 239; p. 935.
- Pacific Cresoting Co., Seattle, Wash. Wood-block paving. No. 116,678; May 15; v. 238; p. 973.
- Pacific Extract Co., Fresno, Cal. Non-alcoholic carbonated beverage sold as a soft drink and syrup for making same. No. 116,233; Apr. 17; v. 237; p. 914.
- P. E. Harris & Co., Seattle, Wash. Canned salmon. No. 117,857; Aug. 7; v. 241; p. 294.
- P. E. Sharpless Company, Philadelphia, Pa. Neuchâtel style of soft-cheese. No. 117,787; July 31; v. 240; p. 1446.
- P. E. Sharpless Company, Philadelphia, Pa. Sweetened and condensed skimmed milk. No. 117,934; Aug. 7; v. 241; p. 297.
- P. E. Sharpless Company, Philadelphia, Pa. Pimento cheese. No. 117,935; Aug. 7; v. 241; p. 297.
- P. E. Sharpless Company, Philadelphia, Pa. Soft cheese. No. 118,476; Sept. 11; v. 242; p. 513.
- P. J. McCoy & Company, Newark, N. J. Phonographs and phonograph parts. No. 117,890; Aug. 7; v. 241; p. 295.

- P. W. Drackett & Sons Company, The, Cincinnati, Ohio. Washing and caustic sodas, chlorated lime, and causticized carbonate of soda. No. 118,008; Aug. 14; v. 241; p. 616.
- Pabst Brewing Company, Milwaukee, Wis. Non-alcoholic preparation. No. 115,862; Mar. 13; v. 236; p. 592.
- Pabst Brewing Company, Milwaukee, Wis. Certain named non-alcoholic beverages. No. 118,470; Sept. 11; v. 242; p. 513.
- Pabst, Dec'd, Estate of George, The, Philadelphia, Pa. Window-shade cloths of sized and oil-painted fabrics. Nos. 116,447-8; May 1; v. 238; pp. 306-7.
- Pacific Coast Biscuit Company, Seattle, Wash. Biscuits. No. 117,055; June 12; v. 239; p. 652.
- Pacific Mills, Lawrence and Boston, Mass. Certain named clothing. No. 118,324; Aug. 28; v. 241; p. 1153.
- Pacific Novelty Company, New York, N. Y. Barrettes. No. 116,975; June 5; v. 239; p. 316.
- Pacific Pea Packing Company, Eau Claire and Chetek, Wis., and Oakdale, Cal. Canned vegetables. No. 119,759; Dec. 11; v. 245; p. 549.
- Pacific Platinum Works, Los Angeles, Cal. Certain named resistant chemical ware for laboratory use. No. 116,081; Apr. 3; v. 237; p. 306.
- Pacific Press Publishing Association, Mountain View, Cal. Weekly and monthly religious periodicals. No. 117,354; July 3; v. 240; p. 335.
- Packard Dressing Co., Stoughton, Mass. Preparation for cleaning and preserving certain named articles of wearing-apparel. No. 118,807; Oct. 2; v. 243; p. 237.
- Paden, Charles E., Denver, Colo. Compound for use as a lubricant in internal-combustion-engine cylinders and as a carbon-forming preventive. No. 115,462; Feb. 13; v. 235; p. 692.
- Padgett, Andrew P., Augusta, Ga. Preparation for disinfecting purposes and for exterminating insects, disease-germs, and vermin. No. 117,355; July 3; v. 240; p. 335.
- Pageler, William, Gladbrook, Iowa. Hog-conditioner and worm-destroyer. No. 119,760; Dec. 11; v. 245; p. 549.
- Paint Manufacturers Association of the U. S., Philadelphia, Pa. Paints and paint-pigments. No. 119,566; Nov. 27; v. 244; p. 1083.
- Palmer & Co., H. H., New York, N. Y. Dry groceries and canned goods. No. 116,354; Apr. 24; v. 237; p. 1215.
- Palmer, Vance C., Sioux City, Iowa. Child's dressing-chair. No. 115,535; Feb. 20; v. 235; p. 1051.
- Palmetto Products Company, Inc., New York, N. Y., assignor to Palmetto Products Company, Jacksonville, Fla. Twines and ropes made from shredded palmetto or palm leaves. Nos. 115,013-14; Jan. 16; v. 234; p. 1042.
- Panama Rice Milling Co., New Orleans, La. Rice. No. 117,056; June 12; v. 239; p. 652.
- Panther Rubber Manufacturing Company, Stoughton, Mass. Rubber heels. No. 118,081; Aug. 14; v. 241; p. 618.
- Paper Mills Specialty Co., Inc., Chicago, Ill. Toilet, tissue, and wax or waxed paper, paper towels, napkins, and doilies. No. 116,234; Apr. 17; v. 237; p. 914.
- Paper Mills Specialty Co. Inc., Chicago, Ill. Paper drinking-cups, lunch rolls or wrappers, and egg-carriers. No. 117,466; July 10; v. 240; p. 637.
- Papyrus Artificial Paper Manufacturing Co., Kenilworth borough, N. J. Water-crape and tissue-crape papers, paper flower-pot covers. No. 115,105; Jan. 23; v. 234; p. 1308.
- Paraffine Paint Company, The, San Francisco, Cal. Ready-mixed paints. No. 116,854; May 29; v. 238; p. 1636.
- Paraffine Paint Company, The, San Francisco, Cal. Liquid stone veneer. No. 119,761; Dec. 11; v. 245; p. 549.
- Paramount Knitting Company, Chicago, Ill. Hosiery. Nos. 116,449-50; May 1; v. 238; p. 307.
- Paramount Products Co., New York, N. Y. Candy. No. 119,978; Dec. 25; v. 245; p. 1022.
- Parfumerie Marceau, Inc., New York, N. Y. Perfumes and toilet waters. No. 115,001; Jan. 16; v. 234; p. 1041.
- Paris Fashions Company, Chicago, Ill. Shampoos. No. 118,218; Aug. 21; v. 241; p. 907.
- Paris Milling Company, Paris, Tex. Wheat-flour. No. 115,219; Jan. 30; v. 234; p. 1579.
- Park Chemical Company, Detroit, Mich. Substances or materials used in the hardening and heat treatment of steel. No. 117,356; July 3; v. 240; p. 335.
- Park & Pollard Company, The, Boston, Mass. Feeders, drinking-fountains, and water-holders for poultry. No. 117,910; Aug. 7; v. 241; p. 296.
- Park & Pollard Company, The, Boston, Mass. Certain named foods. No. 117,911; Aug. 7; v. 241; p. 296.
- Parke Davis & Co., Detroit, Mich. Peptic coagulant. No. 116,082; Apr. 3; v. 237; p. 306.
- Parker, George W., Minneapolis, Minn. Mechanical toys. No. 117,912; Aug. 7; v. 241; p. 296.
- Parker, James D., Kansas City, Mo. Ventilating, circulating, exhaust fans, ventilating-blowers, steam, hot-water, and fluid-heat radiators. No. 118,471; Sept. 11; v. 242; p. 513.
- Parker Preservative Products Co., Brooklyn, N. Y. Paste and ready-mixed paints. No. 115,218; Jan. 30; v. 234; p. 1579.
- Parkesburg Iron Company, The, Parkesburg, Pa. Charcoal iron and skelp. No. 119,563; Nov. 27; v. 244; p. 1083.
- Parkville Milling Company, Parkville, Mo. Wheat-flour. No. 115,995; Mar. 27; v. 236; p. 1217.
- Parnitzky, Paul, New York, N. Y. Geographical maps. No. 116,785; May 22; v. 238; p. 1326.
- Paroquette Record Mfg. Co. Inc., New York, N. Y. Talking-machine records. No. 114,906; Jan. 9; v. 234; p. 668.
- Parsons & Higgins, Denver, Colo. Wooden nut and fruit bowls. No. 117,779; July 31; v. 240; p. 1446.
- Pass & Seymour, Inc., Solvay, N. Y. Electric-lamp receptacles. No. 115,863; Mar. 13; v. 236; p. 592.
- Passero, Alfred, Rochester, N. Y. Dyes for dyeing leather. No. 118,808; Oct. 2; v. 243; p. 237.
- Passow & Sons, Chicago, Ill. Certain named glassware. No. 115,536; Feb. 20; v. 235; p. 1051.
- Pasteur Laboratories of America, New York, N. Y. Disinfectant, antiseptic, germicide, insecticide, and deodorant. No. 116,083; Apr. 3; v. 237; p. 306.
- Patek Brothers, Milwaukee, Wis. Ready-mixed paints and varnishes. No. 119,109; Oct. 23; v. 243; p. 1062.
- Paterson, James F., St. Paul, Minn. Antifreezing liquids for automobile-radiators and plumbing-fixtures. No. 116,355; Apr. 24; v. 237; p. 1215.
- Pathe Exchange, Inc., New York, N. Y. Cinematograph-films. No. 119,564; Nov. 27; v. 244; p. 1083.
- Patten & Co., C. R., Tacoma, Ohio. Supporting devices for babies, known as baby-jumpers. No. 115,381; Feb. 6; v. 235; p. 320.
- Patterson Drug Co., Lynchburg, Va. Injection and capsules for the treatment of gonorrhea. No. 116,356; Apr. 24; v. 237; p. 1215.
- Patterson-Sargent Company, The, Cleveland, Ohio. Paints, driers, enamels, stains, &c. No. 115,656; Feb. 27; v. 235; p. 1351.
- Patterson-Sargent Company, The, Cleveland, Ohio. Paints, driers, enamels, stains, lacs, &c. No. 116,451; May 1; v. 238; p. 307.
- Patterson-Sargent Company, The, Cleveland, Ohio. Paints, driers, enamels, stains, lacs, fillers, varnishes. Nos. 116,855-6; May 29; v. 238; p. 1636.
- Patton Paint Company, Milwaukee, Wis. Ready-mixed white liquid paints and enamels. No. 116,085; Apr. 3; v. 237; p. 306.
- Patton Paint Company, Milwaukee, Wis. Oil-paint for interior use. No. 117,588; July 17; v. 240; p. 937.
- Paul F. Beich Co., Bloomington, Ill. Chocolates and confections. No. 117,021; June 12; v. 239; p. 651.
- Paul F. Beich Co., Bloomington, Ill. Chocolates of all kinds. No. 119,033; Oct. 23; v. 243; p. 1059.
- Paul M. Marks & Co. Inc., Brooklyn, N. Y. Starting, lighting, and ignition storage batteries. No. 119,904; Dec. 18; v. 245; p. 840.
- Paulson, William M., Mawer, Saskatchewan, Canada. Ointment for use in the treatment of piles. No. 119,565; Nov. 27; v. 244; p. 1083.
- Payne Chemical Company, Minneapolis, Minn. Dye. No. 117,357; July 3; v. 240; p. 335.
- Pe-La Chemical Co., Memphis, Tenn. Certain named paints and painters' materials. No. 119,913; Dec. 18; v. 245; p. 840.
- Peabody & Company, Henry W., New York, N. Y. Cigars. No. 118,569; Sept. 18; v. 242; p. 745.
- Peck & Hills Furniture Company, Chicago, Ill. Certain named furniture and upholstery. No. 119,467; Nov. 20; vol. 244; p. 814.
- Peerless Handcuff Company, Springfield, Mass. Handcuffs. No. 114,817; Jan. 2; v. 234; p. 371.
- Peerless Novelty Manufacturing Company, Grand Haven, Mich. Crochet-hooks. No. 115,794; Mar. 6; v. 236; p. 279.
- Peerless Rubber Manufacturing Company, New York, N. Y. Rubber and rubber-lined-fabric hose. No. 115,996; Mar. 27; v. 236; p. 1217.
- Peerless Thinner Company, The, Baltimore, Md. Paint-thinning materials. No. 116,976; June 5; v. 239; p. 316.
- Peerless Thinner Company, The, Baltimore, Md. Painters' materials consisting of thinners for paints, varnishes, &c. No. 118,082; Aug. 14; v. 241; p. 618.
- Peet Bros. Mfg. Co., Kansas City, Kans. Soap. No. 117,196; June 19; v. 239; p. 936.
- Peg Lock Block Company, Inc., New York, N. Y. Toy cannons. No. 115,017; Jan. 16; v. 234; p. 1042.
- Pejepsco Paper Company, New York, N. Y. News-print paper. No. 118,429; Sept. 4; v. 242; p. 250.
- Pejepsco Paper Company, New York, N. Y. News-print paper. No. 118,809; Oct. 2; v. 243; p. 237.
- Pelky, Miles, Point, Tex. Preparation for the treatment of piles. No. 119,914; Dec. 18; v. 245; p. 840.
- Penboss, George C., Brooklyn, N. Y. Flax and braided fiber packings. No. 119,762; Dec. 11; v. 245; p. 549.
- Peninsular Chemical Company, Detroit, Mich. Hot-water bottles and fountain-syringes. No. 115,015; Jan. 16; v. 234; p. 1042.
- Penn Leather Company, Philadelphia, Pa. Leather belting. No. 118,810; Oct. 2; v. 243; p. 287.
- Pennsylvania Chocolate Company, Pittsburgh, Pa. Chocolate. No. 118,325; Aug. 28; v. 241; p. 1153.
- Pennsylvania Textile Company, Boston, Mass., and New York, N. Y. Silk piece goods. No. 115,864; Mar. 13; v. 236; p. 592.
- Peoples Outfitting Company, Detroit, Mich. Watches. No. 117,913; Aug. 7; v. 241; p. 296.

Alphabetical list of registrants of trade-marks—Continued.

- People's Outfitting Company, Detroit, Mich. Piano-players. No. 119,468; Nov. 20; v. 241; p. 814.
- Peppard, Mayme J., Minneapolis, Minn. Hair-curlers. No. 119,998; Oct. 23; v. 243; p. 1061.
- Peppard, Mayme J., Minneapolis, Minn. Trunks. No. 119,613; Dec. 4; v. 245; p. 275.
- Peppett, William J., Boston, Mass. Medicine for certain named diseases. No. 116,452; May 1; v. 238; p. 307.
- Peres, Hardwig, Memphis, Tenn. Sweet potatoes. No. 118,326; Aug. 28; v. 241; p. 1153.
- Perfection Manufacturing Company, St. Louis, Mo. Swings and beds. No. 117,590; July 17; v. 240; p. 937.
- Perfect Notion Co., Inc., New York, N. Y. Compressed sanitary and sanitary napkins, sanitary aprons, bloomers, &c. No. 115,795; Mar. 6; v. 236; p. 279.
- Perin, Inc., New York, N. Y. Deodorant. No. 116,919; June 5; v. 239; p. 314.
- Periodical Publishing Co., Grand Rapids, Mich. Periodical published monthly. No. 118,995; Oct. 16; v. 243; p. 790.
- Periodical Publishing Co., Grand Rapids, Mich. Periodical published monthly. No. 119,110; Oct. 23; v. 243; p. 1062.
- Periodical Publishing Co., Grand Rapids, Mich. Periodical published monthly. No. 119,210; Oct. 30; v. 243; p. 1306.
- Periodical Publishing Co., Grand Rapids, Mich. News-paper-section published weekly. No. 119,763; Dec. 11; v. 245; p. 549.
- Periodical Publishing Co., Grand Rapids, Mich. Periodical published monthly. Nos. 119,764-6; Dec. 11; v. 245; p. 549.
- Perkins Brothers, Bay City, Mich. Peanut-butter. No. 117,197; June 19; v. 239; p. 936.
- Perlman, Harry W., Brooklyn, N. Y. Pianos. No. 117,914; Aug. 7; v. 241; p. 296.
- Perrault, Joseph E., Springfield, Mass. Polish for furniture, automobile-bodies, pianos, and woodwork generally. No. 115,382; Feb. 6; v. 235; p. 320.
- Perrucci, Delfo, New York, N. Y. Stomach-tonic. No. 115,016; Jan. 16; v. 234; p. 1042.
- Perry, William C., Duchesne, Utah. Cotton-waste, especially adapted for use in cleaning and polishing automobiles. No. 115,383; Feb. 6; v. 235; p. 320.
- Peter A. Frasse & Co., Inc., New York, N. Y. Steel rods, bars, and wires, cold-rolled sheet and strip steel. No. 118,651; Sept. 25; v. 242; p. 988.
- Peter A. Frasse & Co., Inc., New York, N. Y. Steel rods and bars, cold-rolled sheet and strip steel, and steel wires. No. 119,065; Oct. 23; v. 243; p. 1060.
- Peter Cailler Kohler Swiss Chocolates Co., Inc., New York, N. Y. Milk-chocolate. No. 119,792; Dec. 11; v. 245; p. 550.
- Peter Pan Film Corporation, Eddyville, N. Y. Photographic films, including motion-picture films. No. 118,693; Sept. 25; v. 242; p. 989.
- Peter Schoenhofen Brewing Company, The, Chicago, Ill. Cereal beverages sold as soft drinks. No. 116,686; May 15; v. 238; p. 973.
- Peters, Eleanore M., Chicago, Ill. Cover and hanger for hot-water bags, &c. No. 116,679; May 15; v. 238; p. 973.
- Peters, Mary A., Cincinnati, Ohio. Textile rugs, carpets, and mats. No. 118,084; Aug. 14; v. 241; p. 618.
- Peterson, Harold G., Chicago, Ill. Dressed poultry. No. 117,198; June 19; v. 239; p. 936.
- Petroleum Iron Works Company, The, Petroleum, Hubbard township, Trumbull county, Ohio. Penstocks and steel tanks. No. 119,769; Dec. 11; v. 245; p. 549.
- Petroleum Products Co. of California, San Francisco, Cal. Gasolene, benzine, naphtha, kerosene, motor-spirit, &c. No. 114,907; Jan. 9; v. 234; p. 668.
- Pettit, Lyman D., St. Joseph, Mich. Lubricants. No. 118,085; Aug. 14; v. 241; p. 618.
- Pettitt, George A., Syracuse, N. Y. Eye-wash. No. 115,796; Mar. 6; v. 236; p. 279.
- Pfeffer Milling Company, Lebanon, Ill. Wheat-flour. No. 117,591; July 17; v. 240; p. 937.
- Pfeffer Milling Company, Lebanon, Ill. Wheat-flour, more specifically self-rising flour. Nos. 117,592-3; July 17; v. 240; p. 937.
- Pfeffer Milling Company, Lebanon, Ill. Wheat-flour. Nos. 117,594-5; July 17; v. 240; p. 938.
- Pfeffer Milling Company, Lebanon, Ill. Wheat-flour. No. 117,915; Aug. 7; v. 241; p. 296.
- Pharis Tire & Rubber Co., The, Newark, Ohio. Pneumatic rubber tires and inner tubes therefor. No. 119,211; Oct. 30; v. 243; p. 1306.
- Phila. Belting Co., Philadelphia, Pa. Power-transmission leather belting. No. 118,811; Oct. 2; v. 243; p. 237.
- Philadelphia Lawn Mower Company, The, Philadelphia, Pa. Lawn-mowers. Nos. 116,453-6; May 1; v. 238; p. 307.
- Philadelphia Lawn Mower Company, The, Philadelphia, Pa. Lawn-mowers. Nos. 117,596-8; July 17; v. 240; p. 938.
- Philadelphia Quartz Company, Philadelphia, Pa. Sodium silicate. No. 116,549; May 8; v. 238; p. 646.
- Philadelphia Quartz Company, Philadelphia, Pa. Sodium silicate. No. 118,571; Sept. 18; v. 242; p. 745.
- Philadelphia Yeast Manufacturing Company, Philadelphia, Pa. Compressed yeast. No. 118,219; Aug. 21; v. 241; p. 907.
- Philip Munter Co., inc., New York, N. Y. Face-powder, rouge and powder compacts, creams, toilet water, perfume. No. 117,348; July 3; v. 240; p. 335.
- Phillips, Margaret B., Port Allegany, Pa. Dolls. No. 114,819; Jan. 2; v. 234; p. 371.
- Phillips, Mary E., Indianapolis, Ind. Hair-grower. No. 116,156; Apr. 10; v. 237; p. 618.
- Phillips, Della E., Philadelphia, Pa. Mixed vegetable relishes and pickles. No. 116,457; May 1; v. 238; p. 307.
- Phillips, Fred., New York, N. Y. Medicine for rheumatic pains. No. 115,384; Feb. 6; v. 235; p. 320.
- Phillips, Lz., Omaha, Nebr. Crockery and earthenware. No. 114,818; Jan. 2; v. 234; p. 371.
- Phillips' Patents, Limited, London, England. Devices for preventing shoes from slipping up and down on the heel when in wear. No. 118,915; Oct. 9; v. 243; p. 521.
- Phillips, Philip, Orlando, Fla. Citrus fruits. No. 117,916; Aug. 7; v. 241; p. 296.
- Philo Hay Specialties Co., Newark, N. J. Certain named pharmaceutical preparations for toilet purposes. No. 116,136; Apr. 10; v. 237; p. 617.
- Phoenix Oil Company, The, Cleveland, Ohio. Soluble lubricating-oils. No. 115,797; Mar. 6; v. 236; p. 279.
- Phoenix Oil Company, The, Cleveland, Ohio. Soluble lubricating and cutting oils. No. 115,997; Mar. 27; v. 236; p. 1217.
- Phonoharp Company, The, Boston, Mass. Zithers. No. 116,086; Apr. 3; v. 237; p. 307.
- Picher Lead Company, Joplin, Mo. Orange mineral, a pigment used as an ink constituent. No. 114,820; Jan. 2; v. 234; p. 371.
- Picher Lead Company, Joplin, Mo. Orange mineral, a pigment used as an ink constituent. No. 114,908; Jan. 9; v. 234; p. 668.
- Picture Press, Inc., The, New York, N. Y. Newspaper-supplements. No. 116,787; May 22; v. 238; p. 1326.
- Piel Bros., Brooklyn, N. Y. Beer. No. 115,798; Mar. 6; v. 236; p. 279.
- Pierce Company, The, East Rochester, N. Y. Leather-dressing oils. No. 119,111; Oct. 23; v. 243; p. 1062.
- Pierce Fordyce Oil Association, Dallas, Tex. Mineral wax. No. 116,681; May 15; v. 238; p. 973.
- Pieser-Livingston Co., The, Chicago, Ill. Bread, wheat-flour, and crackers. No. 119,365; Nov. 13; v. 244; p. 560.
- Pike Manufacturing Company, Pike and Littleton, N. H.; Evansville, Vt.; Orleans, Ind.; Hot Springs, Ark.; and New York, N. Y. Abrasive materials and tools. No. 119,366; Nov. 13; v. 244; p. 560.
- Pildoras Nacionales Corporation, New York, N. Y., and Los Angeles, Cal. Antimalarial pills. No. 119,112; Oct. 23; v. 243; p. 1062.
- Piner, Frederick, Los Angeles, Cal. Silver-polish. No. 116,920; June 5; v. 239; p. 314.
- Pinkerton Veterinary Medicine Co., J. W., Geary and Hinton, Okla., assignor to J. W. Pinkerton Veterinary Medicine Company. Liniment for use in treating all abrasions of the skin of animals. No. 119,367; Nov. 13; v. 244; p. 560.
- Pinkham, James R., Los Angeles, Cal. Grapes. No. 115,998; Mar. 27; v. 236; p. 1217.
- Pintsch Compressing Company, New York, N. Y. Oxygen gas. No. 114,821; Jan. 2; v. 234; p. 371.
- Pioneer Box Company, Crawfordsville, Ind. Wire-bound boxes. No. 119,770; Dec. 11; v. 245; p. 549.
- Pioneer Corporation, The, Chicago, Ill. Certain named electrical apparatus and supplies. No. 118,086; Aug. 14; v. 241; p. 618.
- Pioneer Corporation, The, Chicago, Ill. Crucifixes and hierological statues and reliefs. No. 118,812; Oct. 2; v. 243; p. 237.
- Pioneer Suspender Company, Philadelphia, Pa. Suspenders. No. 117,917; Aug. 7; v. 241; p. 296.
- Pioneer Suspender Company, Philadelphia, Pa. Combination suspenders and garters. No. 119,771; Dec. 11; v. 245; p. 549.
- Pitino Brothers & Company, Los Angeles, Cal. Medicine for certain named diseases. No. 116,357; Apr. 24; v. 237; p. 1215.
- Pittsburgh Toy Vehicle Co., The, Pittsburgh, Pa. Children's toy vehicles. No. 117,599; July 17; v. 240; p. 938.
- Pizzo, Giovanni, Philadelphia, Pa. Certain medicinal compounds. No. 119,772; Dec. 11; v. 245; p. 549.
- Plastic Cements & Fiblastic Ltd., Westminster, London, England. Preservative dressings or compositions for wood, stonework, brickwork, and metal. No. 115,659; Feb. 27; v. 236; p. 1351.
- Platt & Co., Inc., Baltimore, Md. Canned oysters. No. 115,799; Mar. 6; v. 236; p. 279.
- Platt-Maschek Company, The, Chicago, Ill. Toy furniture. No. 119,212; Oct. 30; v. 243; p. 1306.
- Platte Valley Milling Company, Gothenburg, Nebr., and Denver, Colo. Self-rising wheat-flour. No. 117,603; July 17; v. 240; p. 938.
- Pleasant River Canning Co., Columbia Falls, Wash. Canned blueberries. No. 117,604; July 17; v. 240; p. 938.

- Plenge, Henry, Charleston, S. C. Soda-water. No. 118,087; Aug. 14; v. 241; p. 618.
- Plough, Abe, Memphis, Tenn. Talcum powder. No. 115,463; Feb. 13; v. 235; p. 692.
- Plough, Abe, Memphis, Tenn. Ointments for medicinal use in the treatment of skin diseases. No. 119,368; Nov. 13; v. 244; p. 561.
- Plunkett, William H., Chicago, Ill. An odorless deodorizing fluid for toilets. No. 119,773; Dec. 11; v. 245; p. 549.
- Poehlmann, Andrew T., Baltimore, Md. Electrical signal and alarm bells and horns. No. 118,694; Sept. 25; v. 242; p. 989.
- Point-O-Graph Co., The, Wilmington, Del., and San Antonio, Tex. Copy-holding and indicating devices for type-writers. No. 119,567; Nov. 27; v. 244; p. 1083.
- Polack Tyre & Rubber Co., New York, N. Y. Certain named hose, machinery packing, and non-metallic tires. No. 115,385; Feb. 6; v. 235; p. 320.
- Poland and Savage, Philadelphia, Pa. Remedy for epileptic fits and convulsions. No. 115,800; Mar. 6; v. 236; p. 279.
- Pompeian Co., The, Baltimore, Md. Olive-oil emulsion. No. 115,013; Jan. 16; v. 234; p. 1042.
- Pompeian Co., The, Baltimore, Md. Macaroni, cheese, and olive-oil emulsion. No. 115,386; Feb. 6; v. 235; p. 320.
- Pompeian Mfg. Co., The, Cleveland, Ohio. Tooth-paste and beauty-powder—viz., face and toilet powder. No. 116,788; May 22; v. 238; p. 1326.
- Pompeian Mfg. Co., The, Cleveland, Ohio. Rouge. No. 119,369; Nov. 13; v. 244; p. 561.
- Polygon Products Co., Boston, Mass. Rust-penetrant. No. 118,088; Aug. 14; v. 241; p. 618.
- Pond, Edmund M., Rutland, Vt. Medicaments for rectal and vaginal application. No. 116,550; May 8; v. 238; p. 646.
- Ponemah Mills, Taftville, Conn. Cotton piece goods. No. 117,467; July 10; v. 240; p. 637.
- Pope, Joseph T., Chicago, Ill. Stencil-paper, painters' paper stencils and patterns. No. 119,774; Dec. 11; v. 245; p. 549.
- Popel-Giller Co., Warsaw, Ill. Non-alcoholic malt beverage. No. 116,235; Apr. 17; v. 237; p. 914.
- Porcupine Publishing Company, Inc., New York, N. Y. Periodicals published monthly. No. 118,572; Sept. 18; v. 242; p. 746.
- Port Morris Chemical Works, Inc., New York, N. Y. Decolorizing-powder. No. 115,801; Mar. 6; v. 236; p. 279.
- Porter Chemical Company, The, Hagerstown, Md. Chemical apparatus used as a game or toy. No. 115,537; Feb. 20; v. 235; p. 1051.
- Portland Flouring Mills Company, Portland, Oreg. Wheat-flour. No. 117,199; June 19; v. 239; p. 936.
- Portland Flouring Mills Company, Portland, Oreg. Wheat-flour, (self-rising.) No. 117,200; June 19; v. 239; p. 936.
- Portland Flouring Mills Company, Portland, Oreg. Wheat-flour. No. 117,201; June 19; v. 239; p. 936.
- Postex Cotton Mills, Post, Tex. Cotton piece goods, pillow-cases, sheets. No. 115,865; Mar. 13; v. 236; p. 592.
- Potter & Wrightington, Boston, Mass. Wheat-meal and entire-wheat flour. No. 117,605; July 17; v. 240; p. 938.
- Powers, Vance C., Reidsville, Ga. Ointment or salve for eczema, sores, tetter, dandruff. No. 119,370; Nov. 13; v. 244; p. 561.
- Prange Milling Co., New Douglas, Ill. Wheat-flour. No. 115,223; Jan. 30; v. 234; p. 1579.
- Prange Milling Company, New Douglas, Ill. Wheat-flour. Nos. 115,660-1; Feb. 27; v. 235; pp. 1351-2.
- Prange Milling Company, New Douglas, Ill. Wheat-flour. No. 116,358; Apr. 24; v. 237; p. 1215.
- Prather, Orville L., Claremore, Okla. Hair-tonic, shampoo preparations, cold-cream, powder, and rouge. No. 115,019; Jan. 16; v. 234; p. 1042.
- Pratt & Lambert, Incorporated, Buffalo, N. Y. Wood stains and fillers, varnishes, enamels, paints. No. 115,999; Mar. 27; v. 236; p. 1217.
- Pratt-Low Preserving Co., Santa Clara, Cal. Certain named canned foods. No. 115,106; Jan. 23; v. 234; p. 1308.
- Pratt-Low Preserving Company, Santa Clara, Cal. Certain named canned fruits and vegetables. No. 115,802; Mar. 6; v. 236; p. 279.
- Pratt-Low Preserving Company, Santa Clara, Cal. Certain named canned fruits and vegetables. No. 116,155; Apr. 10; v. 237; p. 618.
- Pratt & Whitney Company, New York, N. Y. Certain named cutlery, machinery, and tools, and parts thereof. No. 118,695; Sept. 25; v. 242; p. 989.
- Pratt & Whitney Company, New York, N. Y. Certain named gages. No. 119,915; Dec. 18; v. 245; p. 851.
- Pratt, William E., Chicago, Ill. Hog and pig rings. No. 114,909; Jan. 9; v. 234; p. 668.
- Pre-heated Air Company, Philadelphia, Pa. Preheating devices for inlet-air for stoves, ranges, heaters, and furnaces. No. 119,371; Nov. 13; v. 244; p. 561.
- Premier Bronze Powder Co., The, Cleveland, Ohio. Bronzing liquids, enamels, and bronze powders. No. 117,606; July 17; v. 240; p. 938.
- Premier Motor Corporation, Indianapolis, Ind. Automobiles. No. 117,918; Aug. 7; v. 241; p. 296.
- President Suspender Company, Shirley, Mass. Suspenders. No. 118,573; Sept. 18; v. 242; p. 746.
- Press Publishing Company, The, New York, N. Y. News-paper-section published periodically. Nos. 119,775-86; Dec. 11; v. 245; pp. 549-50.
- Pressure Proof Piston Ring Co., Boston, Mass. Piston-rings. No. 117,919; Aug. 7; v. 241; p. 296.
- Procter & Gamble Company, The, Cincinnati, Ohio. Cooking-fat. No. 114,822; Jan. 2; v. 234; p. 371.
- Procter & Gamble Company, The, Cincinnati, Ohio. Cooking-fat. No. 117,704; July 24; v. 240; p. 1163.
- Procter and Gamble Company, The, Cincinnati, Ohio. A lard compound composed of cotton-seed oil and hard fat. No. 119,372; Nov. 13; v. 244; p. 561.
- Progressive Glue Co., New York, N. Y. Glue. No. 118,916; Oct. 9; v. 243; p. 521.
- Protex Manufacturing Co., Chicago, Ill. Tire-gages and speedometers. No. 118,089; Aug. 14; v. 241; p. 618.
- Protexel Manufacturing Corporation, Chicago, Ill. Certain named clothing for men, women, and children. No. 115,387; Feb. 6; v. 235; p. 320.
- Pruett, A. R., Millen, Ga. A preparation for the kidneys and blood and a pepsin compound. No. 119,787; Dec. 11; v. 245; p. 550.
- Pupulidy Brothers, New York, N. Y. Cigarettes. No. 116,977; June 5; v. 239; p. 316.
- Purcell, Isaac S., assignor to Tentobed Company, Chicago, Ill. Tents. No. 118,327; Aug. 28; v. 241; p. 1153.
- Puritan Pharmaceutical Co., St. Louis, Mo. Certain named pharmaceutical preparations. No. 119,568; Nov. 27; v. 244; p. 1083.
- Purity Baking Company, St. Paul, Minn. Bread. No. 117,607; July 17; v. 240; p. 938.
- Purity Biscuit Company, The, Salt Lake City, Utah. Crackers, cakes, and biscuits. No. 118,996; Oct. 16; v. 243; p. 790.
- Puro Beverage Co., Mineral Point, Iowa. A non-intoxicating cereal beverage. No. 119,788; Dec. 11; v. 245; p. 550.
- Purpura, Alexandro R., New York, N. Y. Tomato sauce. No. 118,328; Aug. 28; v. 241; p. 1153.
- Puss'n Boots Confectionery Company. (See Ridean, Gilbert L., assignor.)
- Pyrene Manufacturing Company, New York, N. Y. Syringes for use with fire-extinguishing compounds. No. 119,569; Nov. 27; v. 244; p. 1083.
- Quabaug Rubber Company, Brookfield and North Brookfield, Mass. Rubber soles and heels. No. 116,551; May 8; v. 238; p. 646.
- Quabaug Rubber Company, Brookfield, Mass. Sheets of rubber or rubber compound for use especially in making rubber soles for shoes. No. 119,789; Dec. 11; v. 245; p. 550.
- Quackenbush, E. & G., New York, N. Y. Ornamental heads adapted to be applied to any article of manufacture. No. 115,224; Jan. 30; v. 234; p. 1579.
- Quaker Kola Company, The, Wilmington, Del., and Philadelphia, Pa. Non-alcoholic beverage sold as a soft drink and syrup for the manufacture of same. No. 118,090; Aug. 14; v. 241; p. 618.
- Queen City Flour & Feed Co., Cincinnati, Ohio. Wheat-flour. No. 117,468; July 10; v. 240; p. 637.
- Quevedo, José, assignor to Johnsen and Kildac, New York, N. Y. Condiments. No. 117,057; June 12; v. 239; p. 652.
- Quigley Furnace Specialties Co., Incorporated, New York, N. Y. Fire-brick cement. No. 115,538; Feb. 20; v. 235; p. 1051.
- Quincy Show Case Works, Quincy, Ill. Wall-case. No. 118,472; Sept. 11; v. 242; p. 513.
- Quinn & Nolan Beverwyck Brewing Company, Albany, N. Y. Non-intoxicating malt or cereal beverages. No. 119,916; Dec. 18; v. 245; p. 851.
- Quirin, Emil J. F., Olean, N. Y. Fabric rolls for leather-pressing machines. No. 115,020; Jan. 16; v. 234; p. 1042.
- R. E. Funsten Dried Fruit & Nut Co., St. Louis, Mo. Nut-meats. No. 114,742; Jan. 2; v. 234; p. 369.
- R. E. Taylor Corporation, New York, N. Y. House organ published monthly. No. 115,872; Mar. 13; v. 236; p. 592.
- R. E. Tongue & Bros. Co., Philadelphia, Pa. Fruit-jar rings. No. 117,271; June 26; v. 239; p. 1206.
- R. & G. Co., Attleboro, Mass. Certain named articles made of or plated with precious metal. No. 118,329; Aug. 28; v. 241; p. 1153.
- R. & H. Manufacturing Corporation, Detroit, Mich. Razor honers and stroppers. No. 116,087; Apr. 3; v. 237; p. 307.
- R. & H. Simon Company, Union Hill, N. J., and New York, N. Y. Silk piece goods. No. 115,679; Feb. 27; v. 235; p. 1352.
- R. & H. Simon Company, Union Hill, N. J., and New York, N. Y. Silk piece goods. No. 116,162; Apr. 10; v. 237; p. 618.
- R. & H. Simon Company, Union Hill, N. J., and New York, N. Y. Certain named knitted, netted, and textile fabrics. No. 117,936; Aug. 7; v. 241; p. 297.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. Plug and twist tobacco. No. 117,203; June 19; v. 239; p. 936.
- R. L. Kenyon Co., The, Waukesha, Wis. Certain named furniture. No. 115,624; Feb. 27; v. 235; p. 1350.

- Racine Auto Tire Company, Racine, Wis. Inner tubes for tires and non-metallic tires and tire-casings composed of rubber or rubber and fabric. No. 115,225; Jan. 30; v. 234; p. 1579.
- Radbridge Company, Inc., New York, N. Y. Score-pads. No. 117,264; June 26; v. 239; p. 1206.
- Radium Luminous Material Corporation, New York, N. Y. Luminous materials containing radium for general use. No. 115,021; Jan. 16; v. 234; p. 1042.
- Ralston Purina Company, St. Louis, Mo. Cereal food. No. 118,220; Aug. 21; v. 241; p. 907.
- Ramashauski, Klemens S., Chicago, Ill. Medicine as a remedy for diseases of the lungs, coughs, catarrh, and asthma. No. 117,058; June 12; v. 239; p. 652.
- Rand Company, North Tonawanda, N. Y. Indicators and index devices. No. 116,458; May 1; v. 238; p. 307.
- Randolph Marketing Co., San Francisco, Cal. Oranges and lemons. No. 117,265; June 26; v. 239; p. 1206.
- Randolph Marketing Co., Los Angeles, Cal. Oranges, lemons, grape-fruit, tangerines. No. 117,780; July 31; v. 240; p. 1446.
- Randolph Marketing Co., Los Angeles, Cal. Oranges and lemons. No. 117,920; Aug. 7; v. 241; p. 296.
- Randolph Rose Co., Chattanooga, Tenn. Non-alcoholic carbonated beverage sold as a soft drink and syrup for the same. No. 119,790; Dec. 11; v. 245; p. 550.
- Rauville, Looya A., Grand Rapids, Mich. Leather belting. No. 116,978; June 5; v. 239; p. 316.
- Ransford-Gay, St. Claire, New York, N. Y. Antiseptic compound. No. 115,113; Jan. 23; v. 234; p. 1309.
- Ranson, John H., New York, N. Y. Pork sausage. No. 118,917; Oct. 9; v. 243; p. 521.
- Rapid Addressing Machine Co., New York, N. Y. Card-stencils. No. 119,113; Oct. 23; v. 243; p. 1062.
- Rapid-Shine Products Co., St. Louis, Mo. Liquid polish for cleaning and polishing painted, varnished, and auto-body enameled surfaces. No. 118,696; Sept. 25; v. 242; p. 989.
- Rappahannock Woolen Mills Co., The, Laurel Mills, Va. Woolen goods in the piece. No. 117,781; July 31; v. 240; p. 1446.
- Rathbone Sard Electric Company, Inc., Albany, N. Y. Electric stoves and ranges. No. 118,697; Sept. 25; v. 242; p. 989.
- Rather, Oscar A., Milwaukee, Wis. Cough-drops. No. 117,059; June 12; v. 239; p. 652.
- Rauch Cigar Company, Inc., Indianapolis, Ind. Cigars, cigarettes, and smoking-tobacco. No. 115,803; Mar. 6; v. 236; p. 279.
- Rauch Cigar Company, Inc., Indianapolis, Ind. Cigars, cigarettes, and smoking-tobacco. No. 116,088; Apr. 3; v. 237; p. 307.
- Rausser, Katherine A., Chicago, Ill. Toy dressmaking outfit. No. 116,789; May 22; v. 238; p. 1326.
- Raymond Hadley Corporation, New York, N. Y. Wheat-flour. Nos. 119,114-15; Oct. 23; v. 243; p. 1062.
- Reade Manufacturing Co., Hoboken, N. J. Medicinal salve for burns, scalds, cuts, bruises, lameness, and wounds. No. 116,236; Apr. 17; v. 237; p. 914.
- Reading Toy Manufacturing Co., Inc., Reading, Pa. Wooden figure toys. No. 117,782; July 31; v. 240; p. 1446.
- Realty Service Publishing Co., by change of name Realty Publishing Co., Newark, N. J. Monthly magazine or periodical. No. 116,979; June 5; v. 239; p. 316.
- Ream, Robert L., Pittsburgh, Pa. Canvas belting. No. 118,997; Oct. 16; v. 243; p. 790.
- Reavis, Holland S., Houston, Tex. Monthly periodicals. No. 115,804; Mar. 6; v. 236; p. 279.
- Reavis, Holland S., Houston, Tex. Periodicals published monthly. No. 116,089; Apr. 3; v. 237; p. 307.
- Reckitt Corporation, The, Chicago, Ill. Prepared roofing. No. 119,117; Oct. 23; v. 243; p. 1062.
- Redmond, Florence, New York, N. Y. Face-creams. No. 116,360; Apr. 24; v. 237; p. 1215.
- Redsquare Company, The, Chicago, Ill. Children's games, building-blocks, and toy furniture. No. 118,813; Oct. 2; v. 243; p. 237.
- Redsquare Company, The, Chicago, Ill. Children's building-blocks. No. 119,873; Nov. 13; v. 244; p. 561.
- Reed Chocolate Co., Inc., Buffalo, N. Y. Candles. No. 115,663; Feb. 27; v. 235; p. 1352.
- Reed, William W., Buffalo, N. Y. Chocolate wheat bars. No. 119,980; Dec. 25; v. 245; p. 1022.
- Reese Company, The, Chicago, Ill. Breath-tablets. No. 115,464; Feb. 13; v. 235; p. 692.
- Reeves, Parvin & Co., Philadelphia, Pa. Canned fruits and vegetables. No. 116,001; Mar. 27; v. 236; p. 1217.
- Reflex Ignition Co., The, Cleveland, Ohio. Spark-plugs. No. 115,805; Mar. 6; v. 236; p. 279.
- Refractory Materials Company, New York, N. Y. High-temperature fire-brick cement, non-conducting boiler-covering and stove-lining. No. 116,857; May 29; v. 238; p. 1636.
- Regina Cement Company, Washington, D. C. Adhesive cement. No. 115,022; Jan. 16; v. 234; p. 1042.
- Reider, Carrie N., Cincinnati, Ohio. Hair-tonics. No. 119,570; Nov. 27; v. 244; p. 1083.
- Reiling & Schoen, Inc., New York, N. Y. Silk and cotton and silk piece goods. No. 118,918; Oct. 9; v. 243; p. 521.
- Reilly & Company, N. J., Boston, Mass. Kid, calf, patent, sheep, cabritas, split, and sole leather. No. 115,664; Feb. 27; v. 235; p. 1352.
- Reinbold, Emil, Chicago, Ill. Motion-picture films. No. 116,002; Mar. 27; v. 236; p. 1217.
- Reinhart Flour Co., The, Philadelphia, Pa. Wheat-flour. No. 119,791; Dec. 11; v. 245; p. 550.
- Reinherz, Philip, New York, N. Y. Phonographs and talking-machines and records for use therewith. No. 116,157; Apr. 10; v. 237; p. 618.
- Reiss Brothers & Company, Chicago, Ill. Smoking-pipes and mouthpieces. No. 115,898; Mar. 20; v. 236; p. 885.
- Reliable Fur Dressing & Dyeing Co., New York, N. Y. Dyed animal-skins. No. 117,469; July 10; v. 240; p. 637.
- Reliance Electric & Engineering Company, The, Cleveland, Ohio. Direct and alternating current electric motors. No. 118,698; Sept. 25; v. 242; p. 989.
- Reliance Manufacturing Company, Chicago, Ill. Work-shirts. No. 115,023; Jan. 16; v. 234; p. 1042.
- Reliance Manufacturing Company, Chicago, Ill. Overalls. No. 116,552; May 8; v. 238; p. 646.
- Reliance Manufacturing Company, Chicago, Ill. Chamberlay. No. 118,699; Sept. 25; v. 242; p. 989.
- Remiller Co., The, New York, N. Y. Certain named pharmaceutical preparations. No. 119,571; Nov. 27; v. 244; p. 1083.
- Remiller Co., The, New York, N. Y. Soaps, shaving powder and cream. No. 119,981; Dec. 25; v. 245; p. 1022.
- Remington Arms Union Metallic Cartridge Company, New York, N. Y., and Bridgeport, Conn. Shotgun-cartridges, loaded and empty. No. 115,388; Feb. 6; v. 235; p. 320.
- Remington, Oscar R., Chicago, Ill. Medical preparation used for external application as an eye remedy. No. 118,700; Sept. 25; v. 242; p. 989.
- Remington Typewriter Company, Ilion and New York, N. Y. Publication published quarterly each year. No. 118,998; Oct. 16; v. 243; p. 790.
- Remy, Schmidt & Pleissner, New York, N. Y. Towelings and towels. No. 115,389; Feb. 6; v. 235; p. 320.
- Remy, Schmidt & Pleissner, New York, N. Y. Linen and half-linen piece goods. No. 118,919; Oct. 9; v. 243; p. 521.
- Renaker, Leon, Winchester, Ky. Turkeys. No. 115,390; Feb. 6; v. 235; p. 320.
- Rennous, Kleiule & Company, Baltimore, Md. Certain named brushes. Nos. 115,108-9; Jan. 23; v. 234; p. 1309.
- Repetti, New York, N. Y. Hard candy. No. 118,814; Oct. 2; v. 243; p. 237.
- Replogle, Clare C., Shenandoah, Iowa. Wheat, Graham, and pancake flour. No. 115,391; Feb. 6; v. 235; p. 321.
- Replogle, Daniel B., Berkeley, Cal., and Toledo, Ohio. Electric vacuum-cleaners and parts thereof. No. 114,823; Jan. 2; v. 234; p. 371.
- Republic Metalware Co., The, Buffalo, N. Y. Certain named hardware. No. 115,806; Mar. 6; v. 236; p. 279.
- Republic Metalware Co., The, Buffalo, N. Y. Certain named cutlery for household use. No. 116,090; Apr. 3; v. 237; p. 307.
- Republic Metalware Co., The, Buffalo, N. Y. Certain named receptacles made of metal. No. 117,202; June 19; v. 239; p. 936.
- Republic Phonograph Co., Chicago, Ill. Talking-machines, gramophones, and phonographs and parts thereof. No. 118,330; Aug. 28; v. 241; p. 1153.
- Ressler, Isidore, Detroit, Mich. Disinfectants. No. 116,790; May 22; v. 238; p. 1326.
- Retherford Brothers Company, Muncie, Ind. Electric lamps. No. 119,917; Dec. 18; v. 245; p. 851.
- Rex Manufacturing Company, Connorsville, Ind. Bodies and tops and parts of same for certain named vehicles. No. 116,859; May 29; v. 238; p. 1636.
- Rex Spinning Co., Gastonia, N. C. Fine combed yarns. No. 115,807; Mar. 6; v. 236; p. 279.
- Reynaldo Cigar Company, Inc., Philadelphia, Pa. Cigars, cheroots, and little cigars. No. 117,705; July 24; v. 240; p. 1063.
- Reynolds Wire Co., Dixon, Ill. Wire screen-cloth. Nos. 116,237-40; Apr. 17; v. 237; p. 914.
- Reynolds Wire Co., Dixon, Ill. Wire screen-cloth. No. 116,858; May 29; v. 238; p. 1636.
- Reznor Manufacturing Company, Mercer borough, Pa. Gas and oil stoves and heaters. No. 117,470; July 10; v. 240; p. 637.
- Rhoads, Nellie H., Severy, Kans. Salve for the treatment of certain named affections. No. 117,706; July 24; v. 240; p. 1163.
- Rhoads & Sons, J. E., Philadelphia, Pa., and Wilmington, Del. Certain named belting, lacing, valves, and washers. Nos. 118,221-2; Aug. 21; v. 241; pp. 907-8.
- Rice Bros., Philadelphia, Pa. Tea. No. 115,392; Feb. 6; v. 235; p. 321.
- Rice Cereal & Milling Co., Fort Wayne, Ind. Rice, face, and talcum powders. No. 118,091; Aug. 14; v. 241; p. 618.
- Rice Cereal & Milling Co., Fort Wayne, Ind. Rice and a prepared rice used as a breakfast cereal. No. 118,331; Aug. 28; v. 241; p. 1153.
- Rice & Co., Irving W., New York, N. Y. Preparation for cleaning hats, shoes, and clothing. No. 115,226; Jan. 30; v. 234; p. 1579.
- Rice & Hutchins, Incorporated, Boston, Mass. Certain named clothing for men, women, and children. No. 118,430; Sept. 4; v. 242; p. 250.

- Rice-Stix Dry Goods Company, St. Louis, Mo. Middy-blouses and children's dresses. No. 116,091; Apr. 3; v. 237; p. 307.
- Rice-Stix Dry Goods Company, St. Louis, Mo. Hosiery. No. 116,921; June 5; v. 239; p. 314.
- Rice-Stix Dry Goods Company, St. Louis, Mo. Ribbons. No. 119,982; Dec. 25; v. 245; p. 1022.
- Rice & Wallenstein, New York, N. Y. Protective handles for hand-bags and other transportable articles. No. 116,003; Mar. 27; v. 236; p. 1217.
- Rich, Ralph E., Chicago, Ill. Alloy for bearings in ingots, castings, or forgings. No. 116,791; May 22; v. 238; p. 1326.
- Richard Hudnut, New York, N. Y. Certain pharmaceutical preparations for toilet purposes. No. 114,764; Jan. 2; v. 234; p. 370.
- Richard Hudnut, New York, N. Y. Certain named pharmaceutical preparations for toilet purposes. No. 115,450; Feb. 13; v. 235; p. 691.
- Richard Hudnut, New York, N. Y. Soap. (solid and liquid.) No. 117,326; July 3; v. 240; p. 334.
- Richardson Corporation, Rochester, N. Y. Fruit syrups for certain named purposes. No. 115,110; Jan. 23; v. 234; p. 1309.
- Richardson, Frank W., assignor to Richelow Mfg. Co., Inc., New York, N. Y. Solidified alcohol for fuel. No. 116,459; May 1; v. 238; p. 307.
- Richardson Silk Co., Chicago, Ill. Certain named threads and yarns. No. 117,471; July 10; v. 240; p. 637.
- Richelow Mfg. Co. (See Richardson, Frank W., assignor.)
- Richman, Joseph T., New York, N. Y. Cotton piece goods. No. 115,393; Feb. 6; v. 235; p. 321.
- Richman, Walter, Atlantic City, N. J. Liniment for the treatment of certain named diseases. No. 117,707; July 24; v. 240; p. 1163.
- Richmond Hosiery Mills, Rossville, Ga. Hosiery. No. 117,921; Aug. 7; v. 241; p. 296.
- Richmond Lace Works, Alton, R. I. Lace. No. 117,061; June 12; v. 239; p. 652.
- Richmond Mica Company, Inc., Richmond, Va. Mica powder. No. 115,227; Jan. 30; v. 234; p. 1579.
- Richmond Waterproof Products Co., Port Richmond, N. Y. Sweeping compounds. No. 116,361; Apr. 24; v. 237; p. 1215.
- Ridean, Gilbert L., Oakland, Cal., assignor to Puss'n Boots Confectionery Company, Seattle, Wash. Candy and confections. No. 115,808; Mar. 6; v. 236; p. 279.
- Ridenour-Baker Grocery Company, Kansas City, Mo. Baking-powder. No. 119,374; Nov. 13; v. 244; p. 561.
- Ridenour Baker Grocery Company, Kansas City, Mo. Baking-powder. No. 119,375; Nov. 13; v. 244; p. 561.
- Ridley's, The Old Chambers St. Candy Manufactory, New York, N. Y. Candy. No. 115,394; Feb. 6; v. 235; p. 321.
- Ridley's, The Old Chambers St. Candy Manufactory, New York, N. Y. Candy. No. 116,553; May 8; v. 238; p. 646.
- Rigney and Company, Brooklyn, N. Y. Food maple and sugar syrups, molasses, honey, sugar cream, lozenges, wafers. No. 118,999; Oct. 16; v. 243; p. 790.
- Rigo-Tone Chemical Co., Petersburg, Va. Medicinal tonics. No. 116,362; Apr. 24; v. 237; p. 1215.
- Ripin & Company, New York, N. Y. Bottled sparkling wines. No. 115,665; Feb. 27; v. 235; p. 1352.
- Ritchie, William J., Allentown, Pa. Remedies for indigestion and stomach disorders. No. 118,574; Sept. 18; v. 242; p. 746.
- Rite Specialty Co., New York, N. Y. Dolls. No. 116,682; May 15; v. 238; p. 973.
- Ritzville Flouring Mills, Ritzville, Wash. Self-rising wheat-flour. No. 119,376; Nov. 13; v. 244; p. 561.
- Ritzville Flouring Mills, Ritzville, Wash. Wheat-flour. No. 119,377; Nov. 13; v. 244; p. 561.
- Riveroll, Carlos M., Laredo, Tex. Anemia-tablets. No. 118,701; Sept. 25; v. 242; p. 989.
- Riverside Boiler Works, Inc., Cambridgeport, Mass. Tanks and stand or range boilers. No. 115,539; Feb. 20; v. 235; p. 1051.
- Riverside Oil Company, Pittsburgh, Pa. Lubricating-grease and illuminating-oils, carbon-oil, petroleum, &c. No. 118,702; Sept. 25; v. 242; p. 989.
- Roanoke Coffee and Spice Co., Roanoke, Va. Coffee. No. 119,793; Dec. 11; v. 245; p. 550.
- Robert, Albert, Minerva, Ohio. Preparation for treatment of gravel, bladder, backache, and kidney trouble. No. 116,554; May 8; v. 238; p. 646.
- Robbins Dress Company, The, New York, N. Y. Certain named clothing for women, misses, children, and infants. No. 119,000; Oct. 16; v. 243; p. 791.
- Robbins, John B., Malden, Mass. Chewing-gum. No. 115,111; Jan. 23; v. 234; p. 1309.
- Robert Mitchell Furniture Co., The, Cincinnati, Ohio. Liquid cleaning compound for white woodwork and enamels. No. 118,210; Aug. 21; v. 241; p. 907.
- Robert Reiner Importing Co., The, Weehawken Heights, N. J. Certain named machines, parts thereof, and accessories therefor. No. 116,004; Mar. 27; v. 236; p. 1217.
- Robert Reis & Co., New York, N. Y. Underwear as follows: shirts, drawers, and union-suits. No. 117,060; June 12; v. 239; p. 652.
- Robert Reis & Co., New York, N. Y. Underwear as follows: shirts, drawers, and union-suits in both knit and textile fabrics. No. 117,358; July 3; v. 240; p. 335.
- Robert Treat Manufacturing Company, Newark, N. J. Snap-fasteners. No. 119,139; Oct. 23; v. 243; p. 1062.
- Roberts Cone Manufacturing Company, St. Joseph, Mo. Ice-cream cones. No. 116,555; May 8; v. 238; p. 646.
- Roberts Dropsy Cure Co., St. Louis, Mo. Preparation for the treatment of dropsy. No. 115,024; Jan. 16; v. 234; p. 1042.
- Roberts, Pauline M. A., Milwaukee, Wis. Preparation for the treatment of cancers. No. 117,359; July 3; v. 240; p. 335.
- Roberts, Roy G., Jamestown, N. Y. Antiseptic mouthwash. No. 114,824; Jan. 2; v. 234; p. 371.
- Roberts Safety Water Tube Boiler Co., The, Red Bank, N. J. Water-tube boilers. No. 116,792; May 22; v. 238; p. 1326.
- Robertson, Thorburn B., Berkeley, Cal. Growth-controlling substance derived from the anterior lobe of the pituitary gland. No. 115,667; Feb. 27; v. 235; p. 1352.
- Robinson, Florence M., London, England. Ointment and pills for treating certain named affections. No. 118,092; Aug. 14; v. 241; p. 618.
- Robt. H. Ingersoll & Bro., New York, N. Y. Watches and clocks. No. 119,538; Nov. 27; v. 244; p. 1082.
- Rochester Button Company, Rochester, N. Y. Buttons for attachment to wearing-apparel. No. 116,980; June 5; v. 239; p. 316.
- Rochester Button Company, Rochester, N. Y. Buttons for use for personal apparel. No. 117,360; July 3; v. 240; p. 335.
- Rochester Heel Company, Rochester, N. Y. Heels for shoes. No. 115,465; Feb. 13; v. 235; p. 692.
- Rode Watch Company, New York, N. Y. Watches. No. 118,703; Sept. 25; v. 242; p. 989.
- Rodeheaver, Homer A., Chicago, Ill. Sheet, pamphlets, and books of music. No. 119,794; Dec. 11; v. 245; p. 550.
- Rodgers, Elmer R., St. Joseph, Mich. Veterinary remedy—namely, preparation for treatment of heaves in horses and mules. No. 116,556; May 8; v. 238; p. 647.
- Roessel & Co., Louis, New York, N. Y. Velvets, velveteens, corded velvets, corduroys, and other pile fabrics. No. 118,093; Aug. 14; v. 241; p. 618.
- Roessel & Co., Louis, New York, N. Y. Silk piece goods. No. 119,983; Dec. 25; v. 245; p. 1022.
- Roessler & Hasslacher Chemical Co., The, New York, N. Y. Cyanid salts adapted for metallurgical and other uses. Nos. 117,708-9; July 24; v. 240; p. 1163.
- Roessler & Hasslacher Chemical Co., The, New York, N. Y. Fumigating-machines adapted to apply disinfecting-gases for certain purposes. No. 119,572; Nov. 27; v. 244; p. 1084.
- Roessler & Hasslacher Chemical Co., The, New York, N. Y. Materials for generation of oxygen and peroxid of hydrogen for industrial and therapeutical uses. No. 119,573; Nov. 27; v. 244; p. 1084.
- Rogers Brothers, Chicago, Ill. Men's suits, overcoats, rain-coats, and gabardines. No. 117,783; July 31; v. 240; p. 1446.
- Rogers, Harry E., Bakersfield, Cal. Motor-lubricating oils and greases. No. 116,159; Apr. 10; v. 237; p. 618.
- Röhm & Haas, Philadelphia, Pa. Medicinal chemical for treatment of rheumatism. No. 115,025; Jan. 16; v. 234; p. 1042.
- Roko Manufacturing Co., Denver, Colo. Compositions for use with printers' and lithographers' inks. No. 116,461; May 1; v. 238; p. 307.
- Rollin Chemical Company, Incorporated, Charleston, W. Va. Certain named chemical compounds. No. 119,574; Nov. 27; v. 244; p. 1084.
- Romann & Bush Pig Iron & Coke Co., St. Louis, Mo. Coal. No. 115,026; Jan. 16; v. 234; p. 1042.
- Rorheimer-Brooks Studios Company, The, Cleveland, Ohio. Beds, cribs, couches, tables, chairs, &c. No. 117,608; July 17; v. 240; p. 938.
- Rose Patch and Label Co., The, Grand Rapids, Mich. Printed labels. No. 118,094; Aug. 14; v. 241; p. 619.
- Rose Patch & Label Co., The, Grand Rapids, Mich. Blank labels. No. 118,575; Sept. 18; v. 242; p. 746.
- Rosenberg Bros. & Co., San Francisco, Cal. Seeded raisins and dried fruits. No. 119,118; Oct. 23; v. 243; p. 1062.
- Rosenberg & Cohen, New York, N. Y. Ladies' muslin and silk underwear. No. 117,922; Aug. 7; v. 241; p. 296.
- Rosenberg, Joseph, New York, N. Y. Ladies' dresses. No. 117,784; July 31; v. 240; p. 1446.
- Rosenberg-Neugass Co., Inc., New York, N. Y. Japanese crapes and Chinese silks in the piece. No. 115,899; Mar. 20; v. 236; p. 885.
- Rosenthal Manufacturing Company, West Allis and Milwaukee, Wis. Cleansers for the removal of carbon. No. 115,540; Feb. 20; v. 235; p. 1051.
- Rosenwald & Weil (Incorporated), Chicago, Ill. Overcoats and summer-clothing consisting of men's suits, coats, vests, and trousers. No. 119,001; Oct. 16; v. 243; p. 791.
- Ross Gioss Co., Auburndale, Mass. Automobile and furniture polish. No. 119,575; Nov. 27; v. 244; p. 1084.
- Ross-Spiller Glove Co., Sheboygan, Wis. Gauntlets. No. 119,795; Dec. 11; v. 245; p. 550.

Alphabetical list of registrants of trade-marks—Continued.

- Rothacker Film Mfg. Co., Chicago, Ill. Motion-picture films. No. 117,361; July 3; v. 240; p. 335.
- Rothenbucher, George E. R., Woodhaven, Ky. Adhesive metal-cement. No. 119,119; Oct. 23; v. 243; p. 1062.
- Rothlein, Lewis E., New York, N. Y. Soldering fluid. No. 117,923; Aug. 7; v. 241; p. 296.
- Rotofotos, Inc., New York, N. Y. Newspaper-supplements. No. 116,793; May 22; v. 238; p. 1326.
- Rottenkolber, G., Scranton, Pa. Preparation for clarifying beer. No. 117,710; July 24; v. 240; p. 1163.
- Roundup Fisheries Co., Spokane, Wash. Canned salmon, cove-oysters, and minced clams, dried codfish. No. 116,684; May 15; v. 238; p. 973.
- Roussel, Jules G., New Orleans, La. Liniment for certain named ailments. No. 118,576; Sept. 18; v. 242; p. 746.
- Royal Palm Soap Co., Inc., Tampa, Fla. Soap. No. 115,112; Jan. 23; v. 234; p. 1309.
- Royal Remedies Company, Waukegan, Ill. Pharmaceutical preparation for checking excessive secretions of the skin and preventing the odor. No. 115,396; Feb. 6; v. 235; p. 321.
- Royal Remedies Company, Waukegan, Ill. Medicinal compound adapted to the treatment of certain named diseases. No. 119,120; Oct. 23; v. 243; p. 1062.
- Royal Valley Coffee Co., Detroit, Mich. Coffee. No. 115,397; Feb. 6; v. 235; p. 321.
- Rub-No-More Co., Fort Wayne, Ind. Soap. No. 117,266; June 26; v. 239; p. 1206.
- Rubber and Celluloid Harness Trimming Co., Newark, N. J. Paint, varnish, nail, hair, shaving, and clothes brushes. No. 117,472; July 10; v. 240; p. 637.
- Rubber Insulated Metals Corporation, Richmond, Va., and Plainfield, N. J. Rubber tires. No. 117,924; Aug. 7; v. 241; p. 296.
- Rubenstein, Louis, Seattle, Wash. Laxative preparation in powder form. No. 119,379; Nov. 13; v. 244; p. 561.
- Ruby Company, Inc., New York, N. Y. Toggle-bolts. No. 115,668; Feb. 27; v. 235; p. 1352.
- Rudder Publishing Co., The, New York, N. Y. Magazines issued monthly. No. 116,242; Apr. 17; v. 237; p. 914.
- Rueckheim Bros. & Eckstein, Chicago, Ill. Chewing-gum or candied chewing-gum. No. 115,107; Jan. 23; v. 234; p. 1309.
- Ruff's Brewing Co., Quincy, Ill. Malt beverage. No. 115,900; Mar. 20; v. 236; p. 885.
- Ruge Bro's Canning Co., Apalachicola, Fla. Canned shrimp. No. 117,204; June 19; v. 239; p. 936.
- Ruggles-Coles Engineering Co., New York, N. Y.; Chicago, Ill., and York, Pa. Driers. No. 114,826; Jan. 2; v. 234; p. 371.
- Ruggles-Coles Engineering Co., New York, N. Y.; Chicago, Ill., and York, Pa. Driers for driving off free moisture from various materials. No. 116,981; June 5; v. 239; p. 316.
- Runkel Brothers, Inc., New York, N. Y. Confections—namely, sweet milk-chocolate with roasted nuts. No. 117,473; July 10; v. 240; p. 637.
- Runner, Earl I., Wheeling, W. Va. Medicinal compound in tablet form for nourishing the blood, nerves, and tissues. No. 118,095; Aug. 14; v. 241; p. 619.
- Runner, Earl I., Wheeling, W. Va. Medicinal tonic and nutrient employed in the treatment of certain named diseases. No. 118,096; Aug. 14; v. 241; p. 619.
- Runyan, Arthur L., Waterloo, Iowa. Shoe-heels. No. 119,576; Nov. 27; v. 244; p. 1084.
- Ruscoe, Dewitt C., Stamford, Conn. Preparation for the relief of certain named diseases and conditions. No. 119,577; Nov. 27; v. 244; p. 1084.
- Russell-Miller Milling Co., Minneapolis, Minn. Wheat feed. No. 116,363; Apr. 24; v. 237; p. 1216.
- Russell-Miller Milling Co., Minneapolis, Minn. Wheat-flour. Nos. 116,364-5; Apr. 24; v. 237; p. 1216.
- Russell-Miller Milling Co., Minneapolis, Minn. Wheat-flour. No. 116,462; May 1; v. 238; p. 307.
- Russell Playing Card Co., Milltown, N. J. Playing-cards. No. 118,332; Aug. 28; v. 241; p. 1153.
- Russia Cement Company, Gloucester, Mass. Cod-liver oil. No. 115,398; Feb. 6; v. 235; p. 321.
- Russia Cement Company, Gloucester, Mass. Poultry food. No. 117,062; June 12; v. 239; p. 652.
- Russia Cement Company, Gloucester, Mass. Stove-polish. No. 119,985; Dec. 25; v. 245; p. 1022.
- Rust-Parker Company, Duluth, Minn. Canned foods. No. 115,399; Feb. 6; v. 235; p. 321.
- Ruttenberg, Sam, Chicago, Ill. Certain named foods. No. 119,470; Nov. 20; v. 244; p. 814.
- Ryan, John, Baltimore, Md. Belt-dressing to prevent slipping. No. 117,363; July 3; v. 240; p. 335.
- Ryan, John E., Boston, Mass. Non-glare devices for the headlights of automobiles. No. 117,925; Aug. 7; v. 241; p. 296.
- Rydale Remedy Company, Inc., The, Hampton, Va. Talcum powder. No. 119,121; Oct. 23; v. 243; p. 1062.
- S. Flory Mfg. Co., Bangor, Pa. Certain named cutlery, machinery, and tools, and parts thereof. No. 118,649; Sept. 25; v. 242; p. 988.
- S. Flory Mfg. Co., Bangor, Pa. Brake-linings. No. 119,182; Oct. 30; v. 243; p. 1305.
- S. Liebmann's Sons Brewing Company, Brooklyn, N. Y. Beverage brewed of malt and other cereals and is non-alcoholic. No. 119,332; Nov. 13; v. 244; p. 559.
- S. B. Goff & Sons Co., Camden, N. J. Remedy for certain named diseases and affections. No. 114,967; Jan. 16; v. 234; p. 1040.
- S. B. Penick & Company, Inc., New York, N. Y. Soap, and more particularly powdered soap. No. 117,589; July 17; v. 240; p. 937.
- S. B. Penick & Company Inc., New York, N. Y. Composition for use in the preparation of emulsions. No. 118,083; Aug. 14; v. 241; p. 618.
- S. E. Goldmann Co., Inc., New York, N. Y. Cotton piece goods. No. 115,851; Mar. 13; v. 236; p. 591.
- S. F. Gilman Mill Co. (See Gilman, Stephen F., assignor.)
- S. F. Zaloom & Co., New York, N. Y. Oyzo, koniak, matika, and arak. No. 116,813; May 22; v. 238; p. 1327.
- S. H. Kress & Company, New York, N. Y. Hosiery. Nos. 116,902-3; June 5; v. 239; p. 314.
- S. S. Borden Co., Chicago, Ill. Butter and eggs. No. 117,408; July 10; v. 240; p. 635.
- S. S. Kresge Co., Detroit, Mich. Catalogues, folders, printed books, valentines, &c. No. 116,956; June 5; v. 239; p. 315.
- S. S. Pierce Company, Boston, Mass. Coffee. No. 115,222; Jan. 30; v. 234; p. 1579.
- S. & S. Water Company, The, Philadelphia, Pa. Certain named soft drinks. No. 115,669; Feb. 27; v. 235; p. 1352.
- S. S. Wenzell Machine Company, The, Philadelphia, Pa. Bottle-washing machines. No. 116,186; Apr. 10; v. 237; p. 619.
- S. S. Wenzell Machine Company, Philadelphia, Pa. Bottle-washing machines. No. 116,869; May 29; v. 238; p. 1636.
- S. S. Wenzell Machine Company, The, Philadelphia, Pa. Ferrules, tips, and fingers of brushes for bottle-washing machines. No. 117,391; July 3; v. 240; p. 336.
- S. S. Wenzell Machine Company, The, Philadelphia, Pa. Rubber brushes for bottle-washing machines. No. 117,623; July 17; v. 240; p. 938.
- S. S. White Dental Manufacturing Company, Philadelphia, Pa.; New York and Brooklyn, N. Y.; Boston, Mass.; Chicago, Ill.; Atlanta, Ga.; Cincinnati, Ohio; San Francisco and Oakland, Cal.; Toronto and Montreal, Canada, and Berlin, Germany. Certain named pharmaceutical preparations. No. 116,870; May 29; v. 238; p. 1637.
- S. S. White Dental Manufacturing Company, The, Philadelphia, Pa. Teeth. No. 118,362; Aug. 28; v. 241; p. 1154.
- S. O. S. Manufacturing Company, Inc., Lake Charles, La. Dandruff-remover and hair-dresser. No. 117,374; July 3; v. 240; p. 336.
- Sabin Robbins Paper Co., The, Middletown, Ohio. White plain flat rectangular blanks of cardboard of various sizes. No. 119,214; Oct. 30; v. 243; p. 1306.
- Sackman Brothers Company, New York, N. Y. Children's overalls, one-piece outer suits, two-piece outer suits, and rompers. No. 119,796; Dec. 11; v. 245; p. 550.
- Sacks & Clyman, Philadelphia, Pa. Shoe-dressing for white shoes. No. 115,228; Jan. 30; v. 234; p. 1579.
- Sagan, Jurko, Wilmington, Del. Salves used on suppurating sores, boils, contusions, and wounds. No. 118,816; Oct. 2; v. 243; p. 237.
- Sal-Oda Chemical Co., The, Oneonta, N. Y. Preparation for the treatment of rheumatism. No. 117,364; July 3; v. 240; p. 335.
- "Salada" Tea Company, Incorporated, Portland, Me., and Boston, Mass. Tea. No. 116,557; May 8; v. 238; p. 647.
- Salleby, Samuel K., New York, N. Y. Medical and pharmaceutical preparation for the curing of corns. No. 115,027; Jan. 16; v. 234; p. 1042.
- Salomon & Phillips, New York, N. Y. Manufactured leather. No. 117,474; July 10; v. 240; p. 637.
- Salt Lake City Brewing Co., The, Salt Lake City, Utah. Lager-beer. No. 116,860; May 29; v. 238; p. 1636.
- Salttrates Company. (See Dae Health Laboratories, assignor.)
- Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Velvets and plushes in the piece. No. 116,243; Apr. 17; v. 237; p. 914.
- Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Coats, cloaks, wraps, capes, dresses, waists, skirts. No. 116,366; Apr. 24; v. 237; p. 1216.
- Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Velvets and plushes in the piece. No. 116,861; May 29; v. 238; p. 1636.
- Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Woven fabric in the piece. No. 117,267; June 26; v. 239; p. 1206.
- Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Women's, children's, and infants' coats, cloaks, wraps, and capes. No. 117,268; June 26; v. 239; p. 1206.
- Salt's Textile Manufacturing Company, Bridgeport, Conn., and New York, N. Y. Women's, children's, and infants' coats, cloaks, wraps, dresses, &c. No. 117,269; June 26; v. 239; p. 1206.
- Saltz, David A., New York, N. Y. Hair-remover. No. 115,810; Mar. 6; v. 236; p. 280.
- Salux Drug Company, St. Louis, Mo. Perfumes, cold-cream, massage-cream, toilet water, and face-powder. No. 116,558; May 8; v. 238; p. 647.
- Samek & Lobel, New York, N. Y. Ladies' blouses and sport-coats. No. 116,922; June 5; v. 239; p. 314.

- Saml. Gabriel Sons & Company, New York, N. Y. Dolls. No. 116,135; Apr. 10; v. 237; p. 617.
- Sample & Company, New York, N. Y. Scotch whisky. No. 117,609; July 17; v. 240; p. 938.
- Samson, Arthur M., New Orleans, La. Remedy for the treatment of ingrowing nails. No. 116,367; Apr. 24; v. 237; p. 1216.
- Samstag & Hilder Bros., New York, N. Y. Hair-nets. No. 115,229; Jan. 30; v. 234; p. 1579.
- Samstag & Hilder Bros., New York, N. Y. Dress and snap fasteners. No. 116,794; May 22; v. 238; p. 1326.
- Samstag & Hilder Bros., New York, N. Y. Toilet and safety pins, hooks, eyes, shoe and corset laces, snap-fasteners, dressing-combs. No. 116,982; June 5; v. 239; p. 316.
- Samstag & Hilder Bros., New York, N. Y. Corset-laces, lingerie, and souché braids, pin and doll cushions, &c. No. 116,983; June 5; v. 239; p. 316.
- Samstag & Hilder Bros., New York, N. Y. Snap-fasteners. Nos. 119,471-2; Nov. 20; v. 244; p. 814.
- Samstag & Hilder Bros., New York, N. Y. Certain named articles made of or plated with precious metal. No. 119,986; Dec. 25; v. 245; p. 1022.
- Samuel C. Tatum Co., The, Cincinnati, Ohio. Punching-machines as office appliances for perforating sheets. No. 115,034; Jan. 16; v. 234; p. 1042.
- Samuel D. Page & Co., Des Moines, Iowa. Certain named paper and stationery. No. 119,466; Nov. 20; v. 244; p. 814.
- Samuel F. Perkins, Inc., Boston, Mass. Toy kites. No. 119,979; Dec. 25; v. 245; p. 1022.
- Samuel J. Aronson, Inc., Paterson, N. J., and New York, N. Y. Crapes and silks in the piece. No. 114,923; Jan. 16; v. 234; p. 1039.
- Samuels Shoe Company, St. Louis, Mo. Leather shoes. No. 115,811; Mar. 6; v. 236; p. 280.
- San-Cura-Gon Co., Indianapolis, Ind. Remedy for gonorrhea and gleet. No. 117,365; July 3; v. 240; p. 335.
- San Fernando Heights Lemon Co., Los Angeles, Cal. Lemons, oranges, and grape-fruit. No. 117,205; June 19; v. 239; p. 936.
- San Fernando Lemon Association, near San Fernando and Los Angeles, Cal. Lemons. No. 117,926; Aug. 7; v. 241; p. 296.
- San Fernando Heights Lemon Co., Los Angeles, Cal. Lemons, grape-fruit, and oranges. No. 119,380; Nov. 13; v. 244; p. 561.
- San I. Baker Corporation, Inc., New Orleans, La. Coffee, tea, spices, and food-flavoring extracts. No. 119,634; Dec. 11; v. 245; p. 545.
- San Martin & Leon Company, Tampa, Fla. Cigars. No. 119,799; Dec. 11; v. 245; p. 550.
- Sanchez & Company, A. Key West, Fla. Manufactured cigars. No. 119,797; Dec. 11; v. 245; p. 550.
- Sander, Monroe, San Francisco, Cal. Bottled whisky. 114,827; Jan. 2; v. 234; p. 371.
- Sanford Manufacturing Co., Chicago, Ill. Paste. No. 119,235; Nov. 6; v. 244; p. 287.
- Sanger Brothers, Dallas and Waco, Tex., and New York, N. Y. Ladies' and children's dresses, aprons, and apron-cress. No. 118,431; Sept. 4; v. 242; p. 251.
- Sanger, Sarah J., Lima, N. Y. Ring-buffs—viz., buff-sticks. No. 115,400; Feb. 6; v. 235; p. 321.
- Sanispoon Co., The, Boston, Mass. Paper spoons. No. 114,828; Jan. 2; v. 234; p. 371.
- Sanitol Chemical Laboratory Co., St. Louis, Mo. Eye-bath. No. 119,381; Nov. 13; v. 244; p. 561.
- Saniwax Paper Co., Kalamazoo, Mich. Wrapping-paper. No. 117,366; July 3; v. 240; p. 335.
- Sanko Company, Cincinnati, Ohio. Candies. No. 119,798; Dec. 11; v. 245; p. 550.
- Sanpan Distributing Company, The, Harrisburg, Pa. A tonic and system-cleanser acting particularly on the stomach, intestines, liver, and kidneys. No. 119,382; Nov. 13; v. 244; p. 561.
- Sarrazin, Jules J., New Orleans, La. Prophylactic bodkins. No. 118,333; Aug. 28; v. 241; p. 1153.
- Sassy Jane Manufacturing Company, Los Angeles, Cal. Women's dresses. No. 118,920; Oct. 9; v. 243; p. 521.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. Toilet-paper. No. 115,028; Jan. 16; v. 234; p. 1042.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. Toilet-paper. No. 115,541; Feb. 20; v. 235; p. 1051.
- Sauquoit Toilet Paper Co., Inc., New Hartford, N. Y. Toilet-paper. No. 117,711; July 24; v. 240; p. 1163.
- Sauquoit Toilet Paper Co., New Hartford, N. Y. Toilet-paper. Nos. 118,704-5; Sept. 25; v. 242; pp. 989-90.
- Sauquoit Toilet Paper Co., New Hartford, N. Y. Toilet-paper. No. 118,817; Oct. 2; v. 243; p. 237.
- Save-O Co., Inc., Hartford, Conn. Chemical compound for preserving rubber. No. 116,463; May 1; v. 238; p. 307.
- Savon Chemical Co., Inc., New York, N. Y. Remedies for external use. No. 117,927; Aug. 7; v. 241; p. 296.
- Savon Chemical Co., Inc., New York, N. Y. Semisolid, liquid, or pasty cleansing composition. No. 119,122; Oct. 23; v. 243; p. 1062.
- Sawyer, G. Edwin, Niagara Falls, N. Y. Ointment for the treatment of certain named ailments. No. 119,800; Dec. 11; v. 245; p. 550.
- Sawyer, G. Edwin, assignor to Epock Co., Niagara Falls, N. Y. Toilet soaps. No. 119,987; Dec. 25; v. 245; p. 1022.
- Scarpelli Bros., Inc., Spokane, Wash. Certain named macaroni products. No. 118,223; Aug. 21; v. 241; p. 908.
- Schack, Joseph, Chicago, Ill. Paper sheeting for ornamental purposes. No. 119,123; Oct. 23; v. 243; p. 1062.
- Scher, Barney, New York, N. Y. Kitchen and parlor chairs, bedsteads, rockers, &c. No. 118,473; Sept. 11; v. 242; p. 513.
- Scherick & Kalender, New York, N. Y. Certain named clothing for boys and girls. No. 117,786; July 31; v. 240; p. 1446.
- Schering & Glatz, Inc., New York, N. Y. Ointment for treating certain named afflictions. No. 119,578; Nov. 27; v. 244; p. 1084.
- Scheuer & Sons, Herman, New York, N. Y. Letter-cases, wallets, and pocket-books. No. 116,368; Apr. 24; v. 237; p. 1216.
- Schickel Motor Co., The, Stamford, Conn. Motor-cycles. No. 118,474; Sept. 11; v. 242; p. 513.
- Schlesinger Radium Co., Denver, Colo. Luminous compounds. No. 117,063; June 12; v. 239; p. 652.
- Schlörer Delicatessen Company, The, Philadelphia, Pa. Mayonnaise and olivenaise. No. 117,929; Aug. 7; v. 241; p. 296.
- Schlörer Delicatessen Company, The, Philadelphia, Pa. Olivenaise made up in part of olives, pimentos, mayonnaise, and vegetables. No. 118,335; Aug. 28; v. 241; p. 1153.
- Schmelzer Arms Co., Kansas City, Mo. Certain named games, toys, and sporting goods. No. 116,244; Apr. 17; v. 237; p. 914.
- Schmidt Co., Arthur P., The, Boston, Mass. Printed books and musical works. No. 115,231; Jan. 30; v. 234; p. 1580.
- Schmitt, George, Newark, N. J. Non-poisonous balsam for certain named affections and inflammations. No. 116,160; Apr. 10; v. 237; p. 618.
- Schnellbacher, Jacob P., Peoria, Ill. Leather, rubber, and canvas shoes. No. 119,801; Dec. 11; v. 245; p. 550.
- Schnull & Co., Indianapolis, Ind. Coffee. No. 115,114; Jan. 23; v. 234; p. 1309.
- Schoenfeld, Leo E., Chicago, Ill. Olive-oil. No. 118,818; Oct. 2; v. 243; p. 238.
- Schoenfeld, Leo E., Chicago, Ill. Castile-soap. No. 119,802; Dec. 11; v. 245; p. 550.
- Scholl Manufacturing Company, Inc., Chicago, Ill. Foot-soap. No. 115,232; Jan. 30; v. 234; p. 1580.
- Scholl Manufacturing Company, The, Chicago, Ill. Certain named pharmaceutical preparation. No. 115,866; Mar. 13; v. 236; p. 592.
- Scholl Manufacturing Company, Inc., Chicago, Ill. Foot-soaps. No. 116,245; Apr. 17; v. 237; p. 914.
- Scholl Manufacturing Company, Inc., Chicago, Ill. Arch-supports. Nos. 116,369-70; Apr. 24; v. 237; p. 1216.
- Scholl Manufacturing Company, Inc., Chicago, Ill. Corn-plasters. No. 117,206; June 19; v. 239; p. 936.
- Scholl Manufacturing Company, Inc., Chicago, Ill. In-step-arch supports. No. 117,207; June 19; v. 239; p. 937.
- Scholl Manufacturing Company Inc., Chicago, Ill. Arch-supports. No. 117,930; Aug. 7; v. 241; p. 296.
- School of Applied Art, Battle Creek, Mich. Instruction-books and advertising-booklets. No. 115,670; Feb. 27; v. 235; p. 1352.
- Schorer, Eleanor, New York, N. Y. Newspaper and magazine articles, magazine-section published periodically. No. 116,371; Apr. 24; v. 237; p. 1216.
- Schreiber Flour & Cereal Co., Kansas City, Mo. Wheat-flour, cornmeal, and corn-grits. No. 119,383; Nov. 13; v. 244; p. 561.
- Schueneman, Emil J., Philadelphia, Pa. Candy, and more particularly chocolates. No. 117,931; Aug. 7; v. 241; p. 296.
- Schultz, Kurt J., Chicago, Ill. Wax preparation for application to the edges of collars, cuffs, and neckbands of shirts. No. 117,367; July 3; v. 240; p. 335.
- Schultz Pharmacy, Schleswig, Iowa. Medical compound for preventing and treating certain named diseases in cattle and cornstalks. No. 117,368; July 3; v. 240; p. 335.
- Schulze Baking Company, Chicago, Ill. Cake. No. 114,829; Jan. 2; v. 234; p. 371.
- Schumacher Wall Board Company, Phoenix, Ariz., and Los Angeles, Cal. Plaster, wall, and composition boards. No. 117,612; July 17; v. 240; p. 938.
- Schuster Company, The, Cleveland, Ohio. Certain named foods. No. 116,005; Mar. 27; v. 236; p. 1217.
- Schuster Company, The, Cleveland, Ohio. Flavoring extracts for confectioners', bakers', ice-cream-manufacturers', and household use. No. 117,932; Aug. 7; v. 241; p. 297.
- Schuster Company, The, Cleveland, Ohio. Non-alcoholic and carbonated beverages sold as soft drinks and extracts and syrups for making same. No. 118,225; Aug. 21; v. 241; p. 908.
- Schuykill Silk Mills, Reading, Pa. Certain named clothing for adults and babies. No. 116,092; Apr. 3; v. 237; p. 307.
- Schuykill Silk Mills, Reading, Pa. Certain named clothing for adults and babies. No. 116,161; Apr. 10; v. 237; p. 618.
- Schuykill Silk Mills, Reading, Pa. Silk cloth in the piece, both knitted and textile. No. 116,985; June 5; v. 239; p. 316.
- Schwarz, Harry E., New York, N. Y. Hosiery and knitted underwear in one and two piece garments. No. 117,476; July 10; v. 240; p. 637.

Alphabetical list of registrants of trade-marks—Continued.

- Schwarzenbach-Huber Company, New York, N. Y. Broad silk in the piece. No. 118,337; Aug. 28; v. 241; p. 1153.
- Scientific Products Co., New Cumberland, W. Va., and Steubenville, Ohio. Electric warming-pads, vulcanizers, toasters, and flat-irons. No. 115,234; Jan. 30; v. 234; p. 1580.
- Scientific Products Company, Steubenville, Ohio, and New Cumberland, W. Va. Electric warming-pads and rectal dilators. No. 118,338; Aug. 28; v. 241; p. 1153.
- Scoble, Andrew H., New York, N. Y. Cereal breakfast food and wheat-flour. No. 115,401; Feb. 6; v. 235; p. 321.
- Scott & Bowne, Bloomfield, N. J. Antiseptic solution. No. 117,208; June 19; v. 239; p. 937.
- Scott & Bowne, Bloomfield, N. J. Antiseptic solution. No. 117,369; July 3; v. 240; p. 335.
- Scott County Milling Company, Sikeston, Mo. Wheat-flour. Nos. 118,432-5; Sept. 4; v. 242; p. 251.
- Scott County Milling Company, Sikeston, Mo. Self-rising wheat-flour. No. 118,436; Sept. 4; v. 242; p. 251.
- Scott County Milling Company, Sikeston, Mo. Self-rising wheat-flour. No. 118,475; Sept. 11; v. 242; p. 513.
- Scott, Ernest A., Pasadena, Cal. Perfumes and deodorizers. No. 118,819; Oct. 2; v. 243; p. 238.
- Scott, Margaret H., New York, N. Y. Finger-print apparatus. No. 119,918; Dec. 18; v. 245; p. 851.
- Scott Publishing Company, St. Louis, Mo. Magazine section of a monthly publication. No. 117,933; Aug. 7; v. 241; p. 297.
- Scott, The estate of Walter, deceased, Plainfield, N. J. Certain named printing machinery. Nos. 114,830-1; Jan. 2; v. 234; p. 372.
- Scottsburg Canning Co., Inc., Scottsburg, Ind. Certain named foods. No. 114,832; Jan. 2; v. 234; p. 372.
- Scranton Button Company, The, Scranton, Pa. Certain named raw or partly-prepared materials. No. 118,339; Aug. 28; v. 241; p. 1153.
- Screen Advertising, Inc., Washington, D. C. Motion-picture films and stereopticon-slides. No. 119,124; Oct. 23; v. 243; p. 1062.
- Screen Advertising, Inc., Washington, D. C. Motion-picture films and stereopticon-slides. No. 119,125; Oct. 23; v. 243; p. 1062.
- Scudder, Isaiah C., New York, N. Y. Electrolyte. No. 116,795; May 22; v. 238; p. 1326.
- Sea Power Publishing Company, Incorporated, Washington, D. C. Monthly magazines. No. 115,236; Jan. 30; v. 234; p. 1580.
- Seacoast Canning Co., Eastport, Me. Canned American sardines. No. 115,235; Jan. 30; v. 234; p. 1580.
- Seamless Rubber Company, The, New Haven, Conn. Water-bottles, fountain and combination syringes, face and ice bags. No. 116,687; May 15; v. 238; p. 973.
- Seamless Rubber Company, The, New Haven, Conn. Tennis-balls. No. 116,923; June 5; v. 239; p. 314.
- Sears and Nichols Canning Co., The, Chillicothe, Ohio. Certain named canned foods. No. 115,812; Mar. 6; v. 236; p. 280.
- Sears, Roebuck and Co., Chicago, Ill. Plows. No. 115,671; Feb. 27; v. 235; p. 1352.
- Sears, Roebuck and Co., Chicago, Ill. Men's, women's, and children's leather shoes. No. 115,672; Feb. 27; v. 235; p. 1352.
- Sears, Roebuck and Co., Chicago, Ill. Men's leather shoes. Nos. 115,673-5; Feb. 27; v. 235; p. 1352.
- Sears, Roebuck and Co., Chicago, Ill. Oil-engines. No. 115,676; Feb. 27; v. 235; p. 1352.
- Sears, Roebuck and Co., Chicago, Ill. Poultry feed. No. 115,677; Feb. 27; v. 235; p. 1352.
- Sears, Roebuck and Co., Chicago, Ill. Leather shoes. No. 115,902; Mar. 20; v. 236; p. 886.
- Sears, Roebuck and Co., Chicago, Ill. Leather shoes. No. 116,559; May 8; v. 238; p. 647.
- Sears, Roebuck and Co., Chicago, Ill. Rubber heels and composition soles. No. 116,680; May 15; v. 238; p. 973.
- Sears, Roebuck and Co., Chicago, Ill. Stock foods. No. 117,064; June 12; v. 239; p. 652.
- Sears, Roebuck and Company, Chicago, Ill. Wringers and parts thereof. No. 117,209; June 19; v. 239; p. 937.
- Sears, Roebuck and Co., Chicago, Ill. Knockdown houses. No. 117,210; June 19; v. 239; p. 937.
- Sears, Roebuck and Co., Chicago, Ill. Folding shopping-bag. No. 117,211; June 19; v. 239; p. 937.
- Sears, Roebuck and Co., Chicago, Ill. Fertilizer. No. 117,477; July 10; v. 240; p. 637.
- Sears, Roebuck and Co., Chicago, Ill. Tea. Nos. 117,478-9; July 10; v. 240; p. 637.
- Sears, Roebuck and Co., Chicago, Ill. Varnish. No. 118,097; Aug. 14; v. 241; p. 619.
- Sears, Roebuck & Co., Chicago, Ill. Oil for dustless mops and dust-cloths. No. 118,098; Aug. 14; v. 241; p. 619.
- Sears, Roebuck and Co., Chicago, Ill. Candy. No. 118,340; Aug. 28; v. 241; p. 1153.
- Sears, Roebuck and Co., Chicago, Ill. Certain named undermuslins. No. 118,437; Sept. 4; v. 242; p. 251.
- Sears, Roebuck and Co., Chicago, Ill. Mandolins, guitars, music-rolls—to wit, perforated music-sheets, &c. No. 119,126; Oct. 23; v. 243; p. 1062.
- Segal and Pransky, Philadelphia, Pa. Overalls. No. 115,678; Feb. 27; v. 235; p. 1352.
- Seattle Grain Co., Seattle, Wash. Wheat-flour. No. 117,065; June 12; v. 239; p. 652.
- Seattle Grain Co., Seattle, Wash. Self-rising flour. No. 117,613; July 17; v. 240; p. 938.
- Seggerman Bros. Inc., New York, N. Y. Tuna fish, crab-meat. No. 116,689; May 15; v. 238; p. 973.
- Seguin Milling & Powder Co., Seguin, Tex. Wheat-flour. No. 116,006; Mar. 27; v. 236; p. 1218.
- Seidel, Paul A., Seattle, Wash. Liquid paints. No. 119,127; Oct. 23; v. 243; p. 1062.
- Seidenspinner, George J., Cincinnati, Ohio. Liniment for rheumatism, scalds, burns, sprains, backache. No. 116,924; June 5; v. 239; p. 314.
- Seiple, George M., York, Pa. Liniment for certain named diseases and affections. No. 117,370; July 3; v. 240; p. 335.
- Selig, Simon S., Jr., Atlanta, Ga. Toilet-paper. No. 116,093; Apr. 3; v. 237; p. 307.
- Selz, Schwab & Company, Chicago, Ill. Men's, women's, misses', children's, boys', and youths' rubber boots and shoes. Nos. 119,384-5; Nov. 13; v. 244; p. 561.
- Semple Rubber Company, Trenton, N. J. Inner tubes for automobile and motor-cycle pneumatic tires. No. 116,986; June 5; v. 239; p. 316.
- Seneca Food & Drug Co., Waterloo, N. Y. Food for infants and invalids. No. 118,577; Sept. 18; v. 242; p. 746.
- Senger Drug Co., Danville, Ill. Antiseptic liniment for sprains, stiff joints, bruises, &c. No. 116,796; May 22; v. 238; p. 1326.
- Sentanel Remedies Company, Inc., The, Cincinnati, Ohio. Nerve-tonic in tablet form. No. 119,919; Dec. 18; v. 245; p. 851.
- Service Motor Supply Co., Chicago, Ill. Monthly magazine. No. 114,833; Jan. 2; v. 234; p. 372.
- Service Motor Supply Company, Chicago, Ill. Monthly magazine. No. 118,578; Sept. 18; v. 242; p. 746.
- Settele, Frank H., Baltimore, Md. Non-alcoholic beverage sold as a soft drink. No. 117,480; July 10; v. 240; p. 637.
- Seward Trunk and Bag Company, Petersburg, Va. Wardrobe-trunks. No. 119,128; Oct. 23; v. 243; p. 1062.
- Seward Trunk & Bag Co., Petersburg, Va. Wardrobe-trunks. No. 119,803; Dec. 11; v. 245; p. 550.
- Shane Bros. & Wilson Company, Philadelphia, Pa. Wheat-flour. No. 115,813; Mar. 6; v. 236; p. 280.
- Shane Bros. & Wilson Company, Philadelphia, Pa. Wheat-flour. No. 116,007; Mar. 27; v. 236; p. 1218.
- Shanhouse & Sons, W., Rockford, Ill. Children's sleeping-garments. No. 116,560; May 8; v. 238; p. 647.
- Shaper, Lewis & Co., New York, N. Y. Ladies' and misses' dresses. No. 118,438; Sept. 4; v. 242; p. 251.
- Shapiro Brothers, New York, N. Y. Certain named clothing. No. 115,238; Jan. 30; v. 234; p. 1580.
- Shapiro Brothers, New York, N. Y. Middy-blouses and middy-blouse dresses for children, misses, and ladies. No. 115,239; Jan. 30; v. 234; p. 1580.
- Shapiro & Co., Louis, New York, N. Y. Men's and children's coats, vests, and trousers. No. 115,402; Feb. 6; v. 235; p. 321.
- Shapleigh Hardware Company, St. Louis, Mo. Talking-machines. No. 116,690; May 15; v. 238; p. 973.
- Shapleigh Hardware Company, St. Louis, Mo. Clocks. Nos. 116,987-8; June 5; v. 239; p. 316.
- Shatto, Clyde O., Sharon, Pa. Preparation in powder form for curing perspiration of the feet. No. 118,579; Sept. 18; v. 242; p. 746.
- Shaw, Wm. H., Edmonton, Alberta, Canada. Package biscuit. No. 117,858; Aug. 7; v. 241; p. 294.
- Shea Smith & Co., Chicago, Ill. Certain named paper and stationery. No. 118,580; Sept. 18; v. 242; p. 746.
- Shea Smith & Co., Chicago, Ill. Carbon-impression tablets and carbon and copying papers. No. 118,706; Sept. 25; v. 242; p. 990.
- Shearer Co., S., The, Sinking Spring, Pa. Remedy for la grippe, hay-fever, asthma, bronchitis, &c. No. 116,925; June 5; v. 239; p. 314.
- Shearston-Lowell Mfg. Co. Inc., Lockport, N. Y. Aprons. No. 118,341; Aug. 28; v. 241; p. 1153.
- Sheet Metal Mfg. Co. Inc., New York and Brooklyn, N. Y. Ventilators, stovepipe, elbows, &c. No. 118,820; Oct. 2; v. 243; p. 238.
- Sheldon School, The, Area and Chicago, Ill. Publications used in teaching scientific salesmanship, published periodically. Nos. 118,439-40; Sept. 4; v. 242; p. 251.
- Shepperd, Frederick W., New York, N. Y. Weekly publication. No. 115,240; Jan. 30; v. 234; p. 1580.
- Sherer-Gillett Company, Chicago, Ill. Bluing, ammonia, baking-powder, soda or saleratus, &c. No. 115,403; Feb. 6; v. 235; p. 321.
- Sherman, Charles H., North Attleboro, Mass. Certain named articles made in part of or plated with precious metal. No. 116,094; Apr. 3; v. 237; p. 307.
- Sherman, Edgar P., Woodward, Ala. Liver-tonic. No. 117,212; June 19; v. 239; p. 937.
- Sherman Overall Mfg. Co., Sherman, Tex. Overalls. No. 119,387; Nov. 13; v. 244; p. 561.
- Sherwin-Williams Co., The, Cleveland, Ohio. Medicinal linseed-oil for human and animal use and paranitranilin. No. 116,008; Mar. 27; v. 236; p. 1218.
- Shields & Son, Albany, N. Y. Smoking-tobacco. No. 116,372; Apr. 24; v. 237; p. 1216.
- Shobert Company, The, Avon, S. D., and Sioux City, Iowa. Photo materials—namely, flash machines and pans, reflectors, stands. No. 117,371; July 3; v. 240; p. 335.

- Shoemaker Company, The, Oakwood, N. Y. Feed for farm-stock. Nos. 118,821-3; Oct. 2; v. 243; p. 238.
- Shoemaker, John F., Des Moines, Iowa. Checks, check-books, and check-book holders or temporary binders. No. 118,581; Sept. 18; v. 242; p. 746.
- Shoomaker Co., The, Washington, D. C. Whisky. No. 118,228; Aug. 21; v. 241; p. 908.
- Shrauger & Johnson, Atlantic, Iowa. Certain named construction material. No. 115,029; Jan. 16; v. 234; p. 1042.
- Sidney Blumenthal & Company, New York, N. Y. Plushes in the piece. No. 114,868; Jan. 9; v. 234; p. 667.
- Sidney Blumenthal & Co. Inc., New York, N. Y. Plush lap-ropes. No. 115,584; Feb. 27; v. 235; p. 1349.
- Sidney Blumenthal & Co., Inc., New York, N. Y. Pile fabrics in the piece. Nos. 117,984-5; Aug. 14; v. 241; p. 615.
- Sidney Blumenthal & Co. Inc., New York, N. Y. Pile-fabric seal plush in the piece. No. 117,986; Aug. 14; v. 241; p. 615.
- Sidney Ross Co., The, New York, N. Y. Remedy for headaches, nervous fatigue, neuralgia, and irritability. No. 119,804; Dec. 11; v. 245; p. 550.
- Steben, Henry, Kansas City, Mo. Dolls. No. 116,797; May 22; v. 238; p. 1327.
- Siedle Studios, New York, N. Y. Stage-settings, scenery, and theatrical properties. No. 118,229; Aug. 21; v. 241; p. 908.
- Sieur de Monts Spring Company, Bar Harbor, Me. Water in its natural state and carbonated water. No. 118,230; Aug. 21; v. 241; p. 908.
- Sig. Schwartz Co., Inc., New York, N. Y. Dolls, manikins, and toy animal figures. No. 119,236; Nov. 6; v. 244; p. 287.
- Signode System, Inc., Chicago, Ill. Stretching-tool. No. 116,691; May 15; v. 238; p. 973.
- Signode System, Inc., Chicago, Ill. Sealing-tool. No. 116,692; May 15; v. 238; p. 973.
- Signode System, Inc., Chicago, Ill. Seal. No. 116,862; May 29; v. 238; p. 1636.
- Signode System, Inc., Chicago, Ill. Metal strapping for box-fastenings or the like. No. 116,863; May 29; v. 238; p. 1636.
- Signs Of The Times Publishing Company, The, Cincinnati, Ohio. Monthly magazine devoted to sign-painters, display-advertisers, and the like. No. 117,372; July 3; v. 240; p. 335.
- Siliconite Refractories Co., Irondale, Ala. Bricks. No. 119,805; Dec. 11; v. 245; p. 550.
- Silk Guide, Inc., The, New York, N. Y. Technical compendium of the silk industry compiled, collated, and edited twice a year. No. 115,542; Feb. 20; v. 235; p. 1051.
- Silver Metal Manufacturing Company Incorporated, New York, N. Y. Metals and metal alloys, particularly known to the trade as Silver metal. No. 115,241; Jan. 30; v. 234; p. 1580.
- Silver Metal Manufacturing Company Inc., New York, N. Y. Alloy containing copper, zinc, and lead. No. 118,342; Aug. 28; v. 241; p. 1153.
- Silver & Co., Brooklyn, N. Y. Burning-lamps. No. 115,543; Feb. 20; v. 235; p. 1051.
- Silverman, Morris R., New York, N. Y. Women's, misses', juniors', and girls' suits and coats. No. 116,989; June 5; v. 239; p. 316.
- Silwiersky, Arthur, assignor to Operollo Phonograph Co., Inc., Detroit, Mich. Phonographs, talking-machines, records. No. 119,579; Nov. 27; v. 244; p. 1084.
- Simon & Mendelsohn, New York, N. Y. Ladies' muslin underwear. No. 118,231; Aug. 21; v. 241; p. 908.
- Simonds, George L., Chicago, Ill., assignor to Vulcan Fuel Economy Company. Waterproofing composition for wood, concrete, brick, &c., surfaces. No. 115,544; Feb. 20; v. 235; p. 1051.
- Simpson, John T., Newark, N. J. Games and apparatus for playing same. No. 116,163; Apr. 10; v. 237; p. 618.
- Sinclair Oil & Refining Corporation, Chicago, Ill. Illuminating, lubricating, and burning oils and greases made from petroleum. No. 116,693; May 15; v. 238; p. 973.
- Singer Manufacturing Company, The, New York, N. Y. Electric motors for sewing-machines and controllers therefor. Nos. 118,708-11; Sept. 25; v. 242; p. 990.
- Sitterley, James E., New York, N. Y. Bimonthly publication. No. 118,824; Oct. 2; v. 243; p. 238.
- Slack, Alonzo, Chatham, N. J. Creole sauce. No. 114,834; Jan. 2; v. 234; p. 372.
- Slezengers, Limited, London, England. Certain named games, toys, and sporting goods. No. 115,404; Feb. 6; v. 235; p. 321.
- Sloat, Harry W., Chicago, Ill. Cakes. No. 115,242; Jan. 30; v. 234; p. 1580.
- Sloat, Harry W., Chicago, Ill. Cakes. No. 116,561; May 8; v. 238; p. 647.
- Small, Hugh C., Chicago, Ill. Confections. No. 118,922; Oct. 9; v. 243; p. 521.
- Small & Parks Limited, Harpurhey, Manchester, England. Packing, hose, and belting made of certain named materials. No. 119,388; Nov. 13; v. 244; p. 561.
- Smeyers, Benjamin F., Troutville, Pa. Preservative for fruit, vegetables, and meats. No. 116,464; May 1; v. 238; p. 307.
- Smidt, Lulah M., Los Angeles, Cal. Liquid and solid superfluous-hair remover. No. 115,814; Mar. 6; v. 236; p. 280.
- Smith, Albert C., Columbus, Ohio. Wheat-flour. No. 119,988; Dec. 25; v. 245; p. 1022.
- Smith Blank Book Co., Inc., New York, N. Y. Blank, account, and receipt books, tablets, pads, and box-paper. No. 119,473; Nov. 20; v. 244; p. 814.
- Smith & Co., A. M., London, Ontario, Canada. Dried fruits, cereal breakfast foods, extracts for food-flavoring. No. 117,937; Aug. 7; v. 241; p. 297.
- Smith, Dewane B., Utica, N. Y. Nurses, nursing-bottles, and rubber nipples. No. 116,798; May 22; v. 238; p. 1327.
- Smith-Dorsey Company, The, Lincoln, Nebr. Remedy for neuralgia and rheumatism in all forms. No. 118,825; Oct. 2; v. 243; p. 238.
- Smith, Edward D., Washington, D. C. Corsets, camisoles, envelop-chemises, combination-suits, and brassieres. No. 119,989; Dec. 25; v. 245; p. 1022.
- Smith, Francis S., Boston, Mass. Wheat-flour. No. 114,836; Jan. 2; v. 234; p. 372.
- Smith, Hogg & Co., New York, N. Y. Blankets. No. 115,815; Mar. 6; v. 236; p. 280.
- Smith & Horton Co., Limited, Warren, Pa. Bluing and ammonia. No. 119,129; Oct. 23; v. 243; p. 1062.
- Smith & Kaufmann, New York, N. Y. Silk piece goods and ribbons. No. 117,066; June 12; v. 239; p. 652.
- Smith, Kline & French Company, Philadelphia, Pa. Talcum, sachet, and face powders, perfumes. No. 117,938; Aug. 7; v. 241; p. 297.
- Smith Lichty and Hillman Company, Waterloo, Iowa. Cheese. No. 116,695; May 15; v. 238; p. 973.
- Smith, Lutellus, Chicago, Ill. Certain named toilet preparations. No. 115,243; Jan. 30; v. 234; p. 1580.
- Smith, Noah N., Frankfort, Ind. Cigars. No. 117,789; July 31; v. 240; p. 1446.
- Smith's Handy Handkerchief Co., Los Angeles, Cal. Handkerchiefs. No. 114,835; Jan. 2; v. 234; p. 372.
- Smolowitz, Meyer, New York, N. Y. Laces and cotton goods in the piece. No. 114,910; Jan. 9; v. 234; p. 668.
- Snolo Company, Chicago, Ill. Fruit-ice making and dispensing machines. No. 119,806; Dec. 11; v. 245; p. 550.
- Snyder Brothers, Boston, Mass. Hosiery. No. 115,405; Feb. 6; v. 235; p. 321.
- Snyder, Theodore J., Chicago, Ill. Combined bottle-stoppers and droppers. No. 115,545; Feb. 20; v. 235; p. 1051.
- Snyder, Winfield P., Great Falls, Mont. Preparation for the treatment of cholera in hogs and chickens. No. 115,471; Feb. 13; v. 235; p. 692.
- Société Anonyme d'Exploitation des Papeteries L. Lacroix Fils, Angoulême, France. Cigarette-paper. No. 119,807; Dec. 11; v. 245; p. 550.
- Société Anonyme Dubonnet, Paris, France. Appetizing-wine. No. 119,580; Nov. 27; v. 244; p. 1084.
- Society of Chemical Industry in Basle, Basel, Switzerland. Certain named pharmaceutical product. No. 115,546; Feb. 20; v. 235; p. 1051.
- Society of Chemical Industry in Basle, Basel, Switzerland. Pharmaceutical product containing all the alkaloids of opium and particularly applicable for sedative purposes. No. 118,582; Sept. 18; v. 242; p. 746.
- Society of Chemical Industry in Basle, Basel, Switzerland. Certain named pharmaceutical product. No. 118,583; Sept. 18; v. 242; p. 746.
- Society of Chemical Industry in Basle, Basel, Switzerland. Coal-tar colors. Nos. 119,390-1; Nov. 13; v. 244; p. 561.
- Society of Chemical Industry in Basle, Basel, Switzerland. Medicine to be used as hypnotic and sedative, especially for producing a twilight sleep during labor. No. 119,392; Nov. 13; v. 244; p. 561.
- Society of Chemical Industry in Basle, Basel, Switzerland. Medicine to be used as an oxytocic. No. 119,393; Nov. 13; v. 244; p. 561.
- Sodus Packing Co., Inc., Sodas, N. Y. Canned fruits and canned berries. No. 119,394; Nov. 13; v. 244; p. 561.
- Sohmer & Co., New York, N. Y. Pianos. No. 119,130; Oct. 23; v. 243; p. 1062.
- Solomon, John A., Omaha, Nebr. Bath-cabinets. No. 118,712; Sept. 25; v. 242; p. 990.
- Sommer, Philip L., New York, N. Y. Coffee. No. 117,482; July 10; v. 240; p. 637.
- Sonoma Remedy Co., (not Inc.), Chicago, Ill. Salves, liniment, herb tea and tablets, and blood-purifier. No. 119,921; Dec. 18; v. 245; p. 851.
- Sonora Phonograph Corporation, New York, N. Y. Certain named musical instruments and supplies. No. 118,584; Sept. 18; v. 242; p. 746.
- Sonora Phonograph Corporation, New York, N. Y. Certain named musical instruments and supplies. No. 119,474; Nov. 20; v. 244; p. 814.
- South American Shipping Company, New York, N. Y. Structural cement. No. 118,441; Sept. 4; v. 242; p. 251.
- South Texas Grain Company, Houston, Tex. Cornmeal, cream-meal, and grits. No. 115,816; Mar. 6; v. 236; p. 280.
- Southern Cement Co., Birmingham, Ala. Hydraulic cement. No. 114,837; Jan. 2; v. 234; p. 372.

Alphabetical list of registrants of trade-marks—Continued.

- Southern Cotton Oil Company, The, Jersey City and Bayonne, N. J.; Savannah, Ga.; New Orleans, La.; and New York, N. Y. Vegetable oil used for food purposes. No. 115,681; Feb. 27; v. 235; p. 1352.
- Southern Fertilizer & Chemical Company, Savannah, Ga. Complete fertilizers and acid phosphate. No. 115,406; Feb. 6; v. 235; p. 321.
- Southern Hardware & Bicycle Company, Jacksonville, Fla. Rubber tires. No. 116,373; Apr. 24; v. 237; p. 1216.
- Southern Hardware & Bicycle Company, Jacksonville, Fla. Bicycles. No. 118,343; Aug. 28; v. 241; p. 1153.
- Southern Railway Supply and Equipment Co., St. Louis, Mo. Saws, chisels, hatchets, files, axes, and adzes. No. 116,800; May 22; v. 238; p. 1327.
- Southern Railway Supply and Equipment Co., St. Louis, Mo. Rubber and fabric hose, rubber belting and packing. No. 118,442; Sept. 4; v. 242; p. 251.
- Southern Railway Supply and Equipment Co., St. Louis, Mo. Scoops, shovels, spades, picks, and hoes. No. 118,713; Sept. 25; v. 242; p. 990.
- Southern Garment Mfg. Company, Houston, Tex. Dresses, outer skirts, shirt-waists, middie-blouses. No. 118,443; Sept. 4; v. 242; p. 251.
- Southwestern Milling Company, Inc., The, New York, N. Y. Wheat-flour. No. 118,344; Aug. 28; v. 241; p. 1153.
- Southwestern Milling Company, Inc., New York, N. Y., and Kansas City, Mo. Wheat-flour. No. 118,612; Sept. 18; v. 242; p. 747.
- Southwestern Milling Co., Inc., The, New York, N. Y., and Kansas City, Mo. Wheat, rye, self-rising, and prepared flour. No. 119,808; Dec. 11; v. 245; p. 551.
- Sparhawk, Charles V., New York, N. Y. Certain named chemicals, medicines, and pharmaceutical preparations. No. 118,585; Sept. 18; v. 242; p. 746.
- Spartan Grain & Mill Co., Spartanburg, S. C. Mixed animal feeds. No. 117,939; Aug. 7; v. 241; p. 297.
- Speakman Supply & Pipe Company, Wilmington, Del. Shower-heads. No. 115,407; Feb. 6; v. 235; p. 321.
- Speedway Motor Oil Co., New York, N. Y. Illuminating, lubricating, and burning oils and greases. No. 117,213; June 19; v. 239; p. 937.
- Speer Carbon Company, St. Marys, Pa. Negative carbon used for illumination and projection. No. 118,714; Sept. 25; v. 242; p. 990.
- Speier, Sidney S., Louisville, Ky. Cigars. No. 116,801; May 22; v. 238; p. 1327.
- Spencer, William E., New York, N. Y. Varnishes. No. 116,864; May 29; v. 238; p. 1636.
- Spencer, William E., New York, N. Y. Adhesive vulcanizing patches and fabrics. No. 117,214; June 19; v. 239; p. 937.
- Sperry Flour Company, San Francisco, Cal. Wheat-flour. No. 119,395; Nov. 13; v. 244; p. 561.
- Sphinx Fuel Devices Company, Inc., Brooklyn, N. Y. Carbureters. No. 117,375; July 3; v. 240; p. 336.
- Spielman Electric Co., New York, N. Y. Telephones, electric cigar-lighters and lamps. No. 116,465; May 1; v. 238; p. 307.
- Spilker, A. Henriette, Oak Park, Ill. Shaving-creams. No. 118,232; Aug. 21; v. 241; p. 908.
- Spindler, Lorenz G., New York, N. Y. Wheat-flour. No. 117,940; Aug. 7; v. 241; p. 297.
- Spitz, Louis, Paterson, N. J. Ladies' leather shoes. No. 116,246; Apr. 17; v. 237; p. 914.
- Spitzer, Emil, Los Angeles, Cal. Candies and confections. No. 115,817; Mar. 6; v. 236; p. 280.
- Spiltdorf Electrical Company, Newark, N. J. Electric spark-plugs. No. 115,548; Feb. 20; v. 235; p. 1051.
- Sprague, Warner & Company, Chicago, Ill. Tea. No. 116,696; May 15; v. 238; p. 979.
- Spratt's Patent (America) Limited, London, England, and Newark, N. J. Medicines for dogs, cats, rabbits, fish, birds, and poultry. No. 116,466; May 1; v. 238; p. 307.
- Spratt's Patent (America) Limited, London, England, and Newark, N. J. Certain foods for animals, game-birds, and poultry. No. 117,483; July 10; v. 240; p. 637.
- Spraul, Paul C., Piqua, Ohio. Ice-cream and candies. No. 119,990; Dec. 25; v. 245; p. 1022.
- Spring Maid Broom & Mfg. Co., Chicago, Ill. Brooms, and scrubbing, dusting, and sweeping brushes. No. 119,475; Nov. 20; v. 244; p. 814.
- Springfield Coffee and Spice Co., Springfield, Ill. Coffee and spices. No. 114,839; Jan. 2; v. 234; p. 372.
- Springfield Grinding Co., Springfield, Mass. Grinding-wheels. No. 116,467; May 1; v. 238; p. 307.
- Squire Dingee Company, Chicago, Ill. Salad-dressing, peanut-butter, mustard, pepper sauce, vinegar. No. 115,408; Feb. 6; v. 235; p. 321.
- St. Joseph Brewing Co., St. Joseph, Mo. Non-intoxicating malt beverage to be sold as a soft drink. No. 119,477; Nov. 20; v. 244; p. 814.
- St. Louis Soluble Tea & Coffee Company, St. Louis, Mo. Non-alcoholic beverage in the nature of a soft drink. No. 117,790; July 31; v. 240; p. 1446.
- Stafford Company, The, Readville, Boston, Mass. Looms. Nos. 118,099-100; Aug. 14; v. 241; p. 619.
- Stamford Foundry Company, The, Stamford, Conn. Wood and coal burning ranges and stoves. No. 115,682; Feb. 27; v. 235; p. 1352.
- Stamford Rolling Mills Company, New York, N. Y. Brass, copper, cupro-nickel, gilding metal, and German silver in sheets and other forms. No. 115,683; Feb. 27; v. 235; p. 1352.
- Standard Brewery, The, Chicago, Ill. Malt beverage. No. 119,809; Dec. 11; v. 245; p. 551.
- Standard Music Roll Co., Orange, N. J. Perforated music sheets or rolls. No. 115,244; Jan. 30; v. 234; p. 1580.
- Standard Oil Company of New York, New York, N. Y. Certain named oils and greases. No. 114,840; Jan. 2; v. 234; p. 372.
- Standard Oil Company of New York, New York, N. Y. Disinfectants. No. 119,810; Dec. 11; v. 245; p. 551.
- Standard Oil Company, Richmond, Cal. Ready-mixed paint. No. 116,697; May 15; v. 238; p. 979.
- Standard Oil Company, Richmond, Cal. Petroleum-oils for lubricating and cushioning purposes. No. 116,698; May 15; v. 238; p. 979.
- Standard Oil Company, San Francisco, Cal. Solvent and thinner. No. 119,922; Dec. 18; v. 245; p. 851.
- Standard Oil Company, San Francisco, Cal. Solvent, priming solution, thinner, stain, and enamel paint. Nos. 119,923-4; Dec. 18; v. 245; p. 851.
- Standard Oil Company, Bayonne, N. J. Petroleum harness-oil and belt-dressing. No. 119,991; Dec. 25; v. 245; p. 1022.
- Standard Polish Company, Rapid City, S. D. Soap. No. 115,409; Feb. 6; v. 235; p. 321.
- Standard Tire and Rubber Manufacturing Company, The, Cleveland, Ohio. Rubber and fabric casings or shoes for pneumatic tires. No. 116,095; Apr. 3; v. 237; p. 307.
- Standard Tire and Rubber Manufacturing Company, The, Cleveland, Ohio. Inner tubes. No. 116,802; May 22; v. 238; p. 1327.
- Standard Ultramarine Co., The, Huntington, W. Va. Laundry blues. Nos. 119,811-13; Dec. 11; v. 245; p. 551.
- Standard Varnish Works, New York, N. Y. Varnishes, japans, driers, stains, &c. No. 115,245; Jan. 30; v. 234; p. 1580.
- Standard Woven Fabric Company, Walpole, Mass. Rubber matting. No. 116,803; May 22; v. 238; p. 1327.
- Standard Woven Fabric Company, Walpole, Mass. For use on brake-lining. No. 119,476; Nov. 20; v. 244; p. 814.
- Stanick, Joseph, Saginaw, Mich. Certain named theatrical make-up cosmetics. No. 118,586; Sept. 18; v. 242; p. 746.
- Stanley, Lynne, Oakland, Cal. Certain named articles of clothing. No. 119,992; Dec. 25; v. 245; p. 1022.
- Star Bedding Co., St. Louis, Mo. Feather pillows. No. 114,841; Jan. 2; v. 234; p. 372.
- Star Company, New York, N. Y. Newspaper-section. No. 114,842; Jan. 2; v. 234; p. 372.
- Star Company, New York, N. Y. Newspaper-sections. No. 115,410; Feb. 6; v. 235; p. 321.
- Star Company, New York, N. Y. Newspaper-sections. Nos. 116,247-9; Apr. 17; v. 237; p. 914.
- Star Company, New York, N. Y. Newspaper-section. No. 116,804; May 22; v. 238; p. 1327.
- Star Company, New York, N. Y. Newspaper-sections. Nos. 118,234-6; Aug. 21; v. 241; p. 908.
- Star Corundum Wheel Co., Detroit, Mich. Grinding-wheels. No. 115,116; Jan. 23; v. 234; p. 1309.
- Star Eczema Co., Corsicana, Tex. Eczema remedy. No. 115,903; Mar. 20; v. 236; p. 886.
- Star Fuse Co., Inc., New York, N. Y. Electric fuses and cartridges. No. 116,468; May 1; v. 238; p. 307.
- Stark Bro's Nurseries and Orchards Co., Louisiana, Mo. Fruit-trees. No. 115,246; Jan. 30; v. 234; p. 1580.
- Stark Bro's Nurseries & Orchards Co., Louisiana, Mo. Fruit trees and plants and hardy ornamentals. No. 115,549; Feb. 20; v. 235; p. 1051.
- Starr Piano Company, The, Richmond, Ind. Certain named musical instruments and supplies. No. 118,345; Aug. 28; v. 241; p. 1153.
- Staso Laminated Slate Company, Chicago, Ill. Crushed slate for use as a surfacing-grit for prepared roofings. No. 118,444; Sept. 4; v. 242; p. 251.
- Staybestos Manufacturing Company, Philadelphia, Pa. Brakelinings. No. 117,216; June 19; v. 239; p. 937.
- Staybestos Manufacturing Company, Philadelphia, Pa. Brakelinings and transmission-linings. No. 118,445; Sept. 4; v. 242; p. 251.
- Stecher Lithographic Co., Rochester, N. Y. Lithographed post-cards, folders, booklets, art-calendars, &c. No. 119,002; Oct. 16; v. 243; p. 791.
- Steel Basket Company, The, Cedar Rapids, Iowa. Shovels, spades, handles for shovels, spades, and agricultural forks. No. 116,469; May 1; v. 238; p. 307.
- Steel and Iron Mongers Inc., Newark, N. J. Hammers, saws, and ice-picks. No. 118,716; Sept. 25; v. 242; p. 990.
- Steele, Geo., Chicago, Ill. Porcelain teeth, platinum-pin facings, combination sets, and teeth generally. No. 119,216; Oct. 30; v. 243; p. 1306.
- Steeleville Milling Company, Steeleville, Ill. Self-rising wheat-flour. No. 115,247; Jan. 30; v. 234; p. 1580.
- Steeleville Milling Company, Steeleville, Ill. Wheat-flour. No. 119,993; Dec. 25; v. 245; p. 1022.
- Stein Brothers, Chicago, Ill. Lemon boarhound rock and rye, sloe and dry gin. No. 116,164; Apr. 10; v. 237; p. 618.

- Stein Brothers, Chicago, Ill. Whisky. No. 116,374; Apr. 24; v. 237; p. 1216.
- Stein, Charles F., Chicago, Ill. Polish for pianos, furniture, floors, automobiles, &c. No. 116,699; May 15; v. 238; p. 979.
- Steinwender-Stoffregen Coffee Co., St. Louis, Mo. Roasted coffee. No. 115,819; Mar. 6; v. 236; p. 280.
- Steinwender-Stoffregen Coffee Co., St. Louis, Mo. Coffee, spices, and flavoring extracts for food. No. 117,944; Aug. 7; v. 241; p. 297.
- Stenography & Reporting Company, Ltd., Trenton, N. J. Certain named paper and stationery. No. 115,117; Jan. 23; v. 234; p. 1309.
- Stenopaic Optical Co., The, New York, N. Y. Spectacles. No. 115,550; Feb. 20; v. 235; p. 1051.
- Stephen F. Whitman & Son, Incorporated, Philadelphia, Pa. Drinking-chocolate. No. 115,423; Feb. 6; v. 235; p. 321.
- Stephen F. Whitman & Son, Incorporated, Philadelphia, Pa. Chocolates and candy. No. 117,496; July 10; v. 240; p. 638.
- Stephens & Co., Brad, Boston, Mass. Publication issued quarterly. No. 115,248; Jan. 30; v. 234; p. 1580.
- Stephens, James M., near Fuquay Springs, N. C. Preparation for cancers. No. 117,376; July 3; v. 240; p. 336.
- Sterilized Egg Co., Chicago, Ill. Compound of neutral mineral oil used in a process for sterilizing eggs. No. 118,587; Sept. 18; v. 242; p. 746.
- Sterling Equipment & Supply Company, Wilmington, Del., and Philadelphia, Pa. Certain named chemicals for treating boilers and neutralizing acids of the feed-water. No. 118,588; Sept. 18; v. 242; p. 746.
- Sterling Grinding Wheel Co., The, Tiffin, Ohio. Grinding-wheels. Nos. 118,237-8; Aug. 21; v. 241; p. 908.
- Sterling Metal Co., Auburn, Ind. Certain named metals and metal castings and forgings. No. 118,101; Aug. 14; v. 241; p. 619.
- Sterling Products Company, Inc., Brooklyn, N. Y. Certain named chemical and pharmaceutical preparation. No. 116,928; June 5; v. 239; p. 314.
- Stern & Co., I., New York, N. Y. Solder-strips. No. 119,131; Oct. 23; v. 243; p. 1062.
- Stern, Julius, New York, N. Y. Moving-picture films. No. 118,346; Aug. 28; v. 241; p. 1153.
- Stern, Julius, New York, N. Y. Moving-picture films. No. 119,581; Nov. 27; v. 244; p. 1084.
- Stern, Louis J., Boston, Mass. Composition for stopping leaks, eliminating rust, preventing corrosion of metals and scale in boilers. No. 115,684; Feb. 27; v. 235; p. 1352.
- Stern & Saalberg Company, The, New York, N. Y. Monthly publication. No. 115,685; Feb. 27; v. 235; p. 1352.
- Stern & Saalberg Company, The, New York, N. Y. Cough-drops. Nos. 117,377-8; July 3; v. 240; p. 336.
- Sternfeld and Polin, Philadelphia, Pa. Ladies' shirt-waists. No. 116,990; June 5; v. 239; p. 316.
- Stettler, Christopher J., Buffalo, N. Y. Cigars. No. 115,820; Mar. 6; v. 236; p. 280.
- Stevens Milling & Feed Co. Inc., Lacona, N. Y. Dairy ration. No. 117,942; Aug. 7; v. 241; p. 297.
- Stevens Piston Ring Company, Freeport, N. Y. Piston-rings. No. 117,943; Aug. 7; v. 241; p. 297.
- Stevens-Wiley Manfg. Co., Inc., The, Philadelphia, Pa. Bleaching, bluing, and starching agent in cake form for use in washing clothes. No. 119,925; Dec. 18; v. 245; p. 851.
- Stewart Hartshorn Co., East Newark, N. J. Shade-cloth. Nos. 118,102-3; Aug. 14; v. 241; p. 619.
- Stewart Manufacturing Company, The, Chicago, Ill. Die-castings. No. 119,582; Nov. 27; v. 244; p. 1084.
- Stewart-Warner Speedometer Corporation, Chicago, Ill. Spark-plugs. No. 115,249; Jan. 30; v. 234; p. 1580.
- Stewart-Warner Speedometer Corporation, Chicago, Ill. Spark-plugs. No. 117,216; June 19; v. 239; p. 937.
- Stewart-Warner Speedometer Corporation, Chicago, Ill. Electric lamps. Nos. 117,217-18; June 19; v. 239; p. 937.
- Stiles, David W., La Fayette, Ga. Non-alcoholic beverage to be sold as a soft drink. No. 115,868; Mar. 13; v. 236; p. 592.
- Stoltz, James L., Cleveland, Ohio. Fertilizer. No. 118,829; Oct. 2; v. 243; p. 238.
- Stonegate Coke & Coal Co., Big Stone Gap and Wise and Lee counties, Va. Coal and coke. No. 115,030; Jan. 16; v. 234; p. 1042.
- Stork Company, The, Boston, Mass. Rubber nipples, baby comforters or pacifiers, and babies' nursing-bottles. No. 117,945; Aug. 7; v. 241; p. 297.
- Stowell Coffee Co., The, Cincinnati, Ohio. Coffee. No. 119,815; Dec. 11; v. 245; p. 551.
- Strahlke, Gustav A., Alton, Ill. Hair growers and tonics. No. 115,551; Feb. 20; v. 235; p. 1051.
- Straus & Sons, L., New York, N. Y. Glassware. No. 118,830; Oct. 2; v. 243; p. 238.
- Strauss, Max, New York, N. Y. Cotton piece goods and silk piece goods. No. 119,132; Oct. 23; v. 243; p. 1062.
- Strohmeyer & Arpe Company, New York, N. Y. Prunes. No. 115,118; Jan. 23; v. 234; p. 1309.
- Strohmeyer & Arpe Company, New York, N. Y. Canned fish, vegetables, and fruits and preserved fruits. No. 115,686; Feb. 27; v. 235; p. 1352.
- Strohmeyer & Arpe Company, New York, N. Y. Hair-tonic. No. 116,375; Apr. 24; v. 237; p. 1216.
- Strohmeyer & Arpe Company, New York, N. Y. Sardines in oil, canned fish, preserved fruits, &c. No. 118,831; Oct. 2; v. 243; p. 238.
- Struss-Anderson Laboratories, New York, N. Y. Photographic developers. Nos. 116,562-3; May 8; v. 238; p. 647.
- Strzyczkowski, Julian, New York, N. Y. Waterproofing preparation for incorporating in cement, plaster, bricks, and stucco. No. 115,411; Feb. 6; v. 235; p. 321.
- Stuhlmiller, William, New York, N. Y. Certain named adhesive materials. No. 118,347; Aug. 28; v. 241; p. 1153.
- Sturges, Wilton, Meridian, Miss. Cereal feed for horses, mules, cattle, and chickens. No. 115,687; Feb. 27; v. 235; p. 1352.
- Stuttgart Rice Mill Company, Stuttgart, Ark. Rice, rice-bran, and rice-polish used for a stock food. No. 117,067; June 12; v. 239; p. 652.
- Submarine Wireless Company, New York, N. Y. Certain named sound-operated toys. No. 117,485; July 10; v. 240; p. 637.
- Suckling & Sons, William, Birmingham, England. Certain named articles made of sterling silver or plated electrically with precious metals. No. 118,348; Aug. 28; v. 241; p. 1153.
- Suedetex Glove Company, Inc., New York, N. Y. Gloves. No. 116,096; Apr. 3; v. 237; p. 307.
- Suffolk Brewing Company, Boston, Mass. Non-alcoholic cereal beverage sold as a soft drink. No. 117,486; July 10; v. 240; p. 637.
- Sulferro-Sol Company, Inc., Birmingham, Ala. Medicine for treatment of certain named diseases. No. 119,133; Oct. 23; v. 243; p. 1062.
- Sullivan Metal Co., Detroit, Mich. Reclaimed metals. No. 119,926; Dec. 18; v. 245; p. 851.
- Suloway Mills, Franklin, N. H. Hosiery. No. 118,446; Sept. 4; v. 242; p. 251.
- Summerfield Bros., Memphis, Tenn. Preparation for killing trees, stumps, roots, and sprouts. No. 119,818; Dec. 11; v. 245; p. 551.
- Summit Foundry Co., Geneva, N. Y. Coal, wood, gas, oil, and vapor stoves and ranges. No. 119,004; Oct. 16; v. 243; p. 791.
- Sumter Brick Works, Sumter, S. C. Building-brick. No. 116,097; Apr. 3; v. 237; p. 307.
- Sumter Electrical Co., Chicago, Ill. Magnetos and magneto parts. No. 115,031; Jan. 16; v. 234; p. 1042.
- Sunbeam Motor Car Company Limited, The, Wolverhampton, England. Internal-combustion engines and parts thereof for aeroplanes and motor-vehicles other than motor-bicycles. No. 118,104; Aug. 14; v. 241; p. 619.
- Sunbeam Motor Car Company, Limited, The, Wolverhampton, England. Aeroplanes and airships. No. 119,217; Oct. 30; v. 243; p. 1306.
- Sunrise Shoe Polish Company, The, Chicago, Ill. Dressing for white leather shoes. No. 115,688; Feb. 27; v. 235; p. 1352.
- Sunset Soap Dye Company, New Rochelle, N. Y. Dyes. No. 116,009; Mar. 27; v. 236; p. 1218.
- Sunset Soap Dye Company, New Rochelle, N. Y. Dyes. No. 116,250; Apr. 17; v. 237; p. 914.
- Sunshine Poultry Farm, Shelby, Wis. Certain named foods. No. 116,701; May 15; v. 238; p. 979.
- Super Gas Producer Sales Company, The, St. Paul, Minn. Gas-producers. No. 116,098; Apr. 3; v. 237; p. 307.
- Super-Lighting Company, Inc., New York, N. Y. Head-light-lenses. No. 119,218; Oct. 30; v. 243; p. 1306.
- Superior Manufacturing Co., Knoxville, Tenn. Automobile-polish. No. 116,165; Apr. 10; v. 237; p. 618.
- Sussman, Wormser & Co., San Francisco, Cal. Certain named canned foods. No. 116,470; May 1; v. 238; p. 307.
- Swan & Finch Co., New York, N. Y. Transmission and gear-case grease. No. 115,412; Feb. 6; v. 235; p. 321.
- Swan-Myers Co., Indianapolis, Ind. Bacterial vaccins. No. 116,376; Apr. 24; v. 237; p. 1216.
- Swan Process Oil Company, The, Denver, Colo. Lubricating-oils. No. 119,583; Nov. 27; v. 244; p. 1084.
- Swan Shoe Company, The, Baltimore, Md. Baby or infant shoes made of soft leather or cloth. No. 115,487; Feb. 13; v. 235; p. 692.
- Swann, Charles C., Moscow, Idaho. Salad and mayonnaise dressings. No. 119,005; Oct. 16; v. 243; p. 791.
- Swedish Separator Co., Chicago, Ill. Bicycles. No. 118,832; Oct. 2; v. 243; p. 238.
- Sweet, Alvin H., Los Angeles, Cal. Parts simulating parts of animals for use as educational toys. No. 115,552; Feb. 20; v. 235; p. 1051.
- Sweet Candy Co., Salt Lake City, Utah. Chocolates. No. 116,564; May 8; v. 238; p. 647.
- Sweet & Hodgman, Dallas, Tex. Medicines for preventing hog-cholera and for removal of worms, lice, &c. No. 114,843; Jan. 2; v. 234; p. 372.
- Sweet, Thomas J., Albion, N. Y. Canned fruits and vegetables, tomato catsup, apple-cider vinegar. No. 116,010; Mar. 27; v. 236; p. 1218.
- Swift & Company, Chicago, Ill. Soap. No. 119,994; Dec. 25; v. 245; p. 1022.
- Swindell, Benjamin F., Baltimore, Md. Preparation for the treatment of cancers. No. 119,584; Nov. 27; v. 244; p. 1084.
- Swope, Lee R., Kansas City, Mo. Unguent. No. 119,397; Nov. 13; v. 244; p. 561.

Alphabetical list of registrants of trade-marks—Continued.

- Sydney Ross Co., The, New York, N. Y. Medicated soap. No. 118,239; Aug. 21; v. 241; p. 908.
- Syme, Eagle & Co., Chicago, Ill. Canned sardines. No. 116,011; Mar. 27; v. 236; p. 1218.
- Syme, Eagle & Co., Chicago, Ill. Canned salmon and sardines. No. 116,377; Apr. 24; v. 237; p. 1216.
- Syracuse Milling Company, Syracuse, N. Y. Certain named foods. No. 117,487; July 10; v. 240; p. 637.
- Syracuse Smelting Works, Brooklyn, N. Y. Babbitt metal. No. 119,134; Oct. 23; v. 243; p. 1062.
- Syrup Products Company, The, Baltimore, Md. Non-alcoholic maltless beverages sold as soft drinks. No. 118,924; Oct. 9; v. 243; p. 521.
- Szel Import and Export Co., Inc., New York, N. Y. Ointment. No. 118,105; Aug. 14; v. 241; p. 619.
- T. A. Flynn & Son Company, Inc., Olean, N. Y. Leather-filler in liquid form containing no oil. No. 118,169; Aug. 21; v. 241; p. 906.
- T. E. Bissell Company Limited, Elora, Ontario, Canada. Disk harrows and land-rollers. No. 115,582; Feb. 27; v. 235; p. 1349.
- T. J. Mitchell & Co., Inc., New York, N. Y. Silks in the piece. No. 118,211; Aug. 21; v. 241; p. 907.
- Takamine Laboratory, Inc., New York, N. Y. Salves and ointments for external application for cuts, bruises, burns, and diseases of the skin. No. 117,946; Aug. 7; v. 241; p. 297.
- Takamine Laboratory, Inc., New York, N. Y. Certain named chemicals, medicines, and pharmaceutical preparations. No. 119,927; Dec. 18; v. 245; p. 851.
- Takis, Costis, New York, N. Y. Candies. No. 116,702; May 15; v. 238; p. 979.
- Talbot Manufacturing Co., Providence, R. I. Certain named articles made of or plated with precious metal, including German silver. No. 119,135; Oct. 23; v. 243; p. 1062.
- Talcott, Phineas M., New Haven, Conn. Loading implements for rifle, pistol, and shotgun cartridges and molds for bullets. No. 116,866; May 29; v. 238; p. 1636.
- Tarr & Wonsou, Limited, Gloucester, Mass. Paints—namely, preservative paints for the bottoms of vessels. Nos. 119,136-7; Oct. 23; v. 243; p. 1062.
- Tasty Baking Company, Philadelphia, Pa. Bread, cake, and crackers. No. 115,821; Mar. 6; v. 236; p. 280.
- Tate Electrolytic Waterproofing Company Incorporated, New York, N. Y. Waterproofed fabric. No. 115,032; Jan. 16; v. 234; p. 1042.
- Tate Electrolytic Waterproofing Company Incorporated, New York, N. Y. Waterproofed threads and yarns. No. 115,033; Jan. 16; v. 234; p. 1042.
- Tate Electrolytic Waterproofing Company, Incorporated, New York, N. Y. Waterproofed paper. No. 116,703; May 15; v. 238; p. 979.
- Tate Jones & Co., Inc., Pittsburgh, Pa. Furnaces. Nos. 119,819-20; Dec. 11; v. 245; p. 551.
- Tavares, James G., New York, N. Y. Shoes, boots, and rubbers made of leather, rubber, and canvas. No. 119,398; Nov. 13; v. 244; p. 561.
- Taylor Chemical Company, Penn Yan, N. Y. Carbon bisulfid (CS₂) and compositions containing carbon bisulfid. No. 119,399; Nov. 13; v. 244; p. 561.
- Taylor, Clapp & Beall, New York, N. Y. Cotton piece goods. Nos. 119,821-4; Dec. 11; v. 245; p. 551.
- Taylor, James T., Fort Worth, Tex. Hollow tiles or building-blocks. No. 118,240; Aug. 21; v. 241; p. 908.
- Taylor-Logan Co. Papermakers, Holyoke, Mass. Ledger, record, bond, book and cover, &c., papers, envelopes. No. 116,012; Mar. 27; v. 236; p. 1218.
- Taylor-Logan Co. Papermakers, Holyoke, Mass. Certain named paper and stationery. No. 119,585; Nov. 27; v. 244; p. 1084.
- Taylor, Marshall W., Philadelphia, Pa. Overalls for men, women, boys, and girls. No. 117,068; June 12; v. 239; p. 652.
- Taylor, Ronald V., New York, N. Y. Furniture-polish. No. 115,553; Feb. 20; v. 235; p. 1051.
- Taylor, Stewart K., Mobile, Ala. Hardwood and fine timber and lumber. No. 116,166; Apr. 10; v. 237; p. 618.
- Taylor, Stewart K., Mobile, Ala. Logs. No. 116,991; June 5; v. 239; p. 316.
- Tebbetts & Garland Store, The, Chicago, Ill. Brandy, whiskies, cocktails, cordials, rum, gin, vermouth. No. 116,378; Apr. 24; v. 237; p. 1216.
- Tebbetts & Garland Store, The, Chicago, Ill. Soaps, washing-powders, cleansers, and metal-polish. No. 116,472; May 1; v. 238; p. 307.
- Tebbetts & Garland Store, The, Chicago, Ill. Whisky. No. 116,805; May 22; v. 238; p. 1327.
- Tebbetts and Garland Store, The, Chicago, Ill. Sarsaparilla, ginger-ale, root and birch beers, grape and loganberry juices. No. 117,712; July 24; v. 240; p. 1163.
- Tebbetts and Garland Store, The, Chicago, Ill. Blend coffee. No. 117,791; July 31; v. 240; p. 1446.
- Teller and Company, L. H., Philadelphia, Pa. Skirts. No. 117,792; July 31; v. 240; p. 1447.
- Temperance Beverage Company, Chicago, Ill. Carbonated non-alcoholic soft drink. No. 116,013; Mar. 27; v. 236; p. 1218.
- Temperance Beverage Company, Chicago, Ill. Non-intoxicating cereal beverage. No. 117,713; July 24; v. 240; p. 1163.
- Temple Garden Company, The, Boston, Mass. Tea coffee, cocoa, chocolate, spices, &c. No. 117,488; July 10; v. 240; p. 637.
- Tentobed Company. (See Purcell, Isaac S., assignor.)
- Teplow, Nathan, New York, N. Y. Remedies, ointments, and liniments for certain named diseases and affections. No. 115,413; Feb. 6; v. 235; p. 321.
- Terraplastica Manufacturing Co., Inc., Newark, N. J. Dental impression-trays. No. 117,219; June 19; v. 239; p. 937.
- Terry, Paul H., New York, N. Y. Motion-picture films of animated cartoons issued serially. No. 115,250; Jan. 30; v. 234; p. 1580.
- Terwilliger, Alexander C., Mims, Fla. Oranges and grapefruit. No. 115,689; Feb. 27; v. 235; p. 1352.
- Testa Cigar Co., San Francisco, Cal. Cigars, cigarettes, and smoking-tobacco. No. 116,251; Apr. 17; v. 237; p. 914.
- Testa Cigar Co., San Francisco, Cal. Cigars. No. 117,714; July 24; v. 240; p. 1163.
- Testa Cigar Co., San Francisco, Cal. Cigars, cigarettes, and smoking-tobacco. No. 117,715; July 24; v. 240; p. 1163.
- Testa Cigar Co., San Francisco, Cal. Cigars, cigarettes, and smoking-tobacco. No. 117,793; July 31; v. 240; p. 1447.
- Texas Co., The, Houston and Port Arthur, Tex., and New York, N. Y. Waterproof paint, roofing-paint, tank-coating. No. 119,586; Nov. 27; v. 244; p. 1084.
- Texas Company, The, Houston and Port Arthur, Tex., and New York, N. Y. Kerosene. No. 118,717; Sept. 25; v. 242; p. 990.
- Texas-Mexican Milling Co., The, Laredo, Tex. Wheat-flour. No. 117,794; July 31; v. 240; p. 1447.
- Texas Star Flour Mills, Galveston, Tex. Wheat-flour. No. 119,825; Dec. 11; v. 245; p. 551.
- Texas Tobacco Co., The, San Antonio, Tex. Smoking-tobacco. No. 115,035; Jan. 16; v. 234; p. 1042.
- Textile Publishing Company, New York, N. Y. Display frames and boxes. No. 117,615; July 17; v. 240; p. 938.
- Textile Publishing Company, New York, N. Y. Certain named prints and publications. No. 118,589; Sept. 18; v. 242; p. 746.
- Tharinger Macaroni Co., Milwaukee, Wis. Macaroni. No. 117,616; July 17; v. 240; p. 938.
- Theo. A. Kochs Company, Chicago, Ill. Razors. No. 118,050; Aug. 14; v. 241; p. 617.
- Theo. H. Gary Co., New York, N. Y. Hair-nets. No. 114,962; Jan. 16; v. 234; p. 1040.
- Theo. Hamm Brewing Company, St. Paul, Minn. Non-alcoholic cereal beverage put up in bottles and kegs. No. 115,183; Jan. 30; v. 234; p. 1578.
- Theobald and Oppenheimer Company, Philadelphia, Pa., and New York, N. Y. Cigars. No. 115,251; Jan. 30; v. 234; p. 1580.
- Theobald and Oppenheimer Company, Philadelphia, Pa., and New York, N. Y. Cigars. Nos. 115,690-1; Feb. 27; v. 235; p. 1352.
- Theobald and Oppenheimer Company, Philadelphia, Pa., and New York, N. Y. Cigars. No. 116,014; Mar. 27; v. 236; p. 1218.
- Theobald and Oppenheimer Company, Philadelphia, Pa., and New York, N. Y. Cigars. No. 116,099; Apr. 3; v. 237; p. 307.
- Theobald and Oppenheimer Company, Philadelphia, Pa. Cigars. No. 116,473; May 1; v. 238; p. 307.
- Theodoropoulos, George E., New York, N. Y. Tooth-powder. No. 118,591; Sept. 18; v. 242; p. 746.
- Thermogène Co. Limited, The, Haywards Heath, England. Medicated wadding. No. 116,379; Apr. 24; v. 237; p. 1216.
- Thermoid Rubber Company, Hamilton township, Trenton, Mercer county, N. J. Certain belting, hose, machinery packing, and non-metallic tires. No. 118,447; Sept. 4; v. 242; p. 251.
- Thermoid Rubber Company, Hamilton township, Mercer county, N. J. Brake-lining. No. 118,833; Oct. 2; v. 243; p. 238.
- Thexton & Wright, Ltd., Westminster, England. Men's overcoats. No. 116,015; Mar. 27; v. 236; p. 1218.
- Third National Bank of St. Louis, Missouri, St. Louis, Mo. Printed books, booklets, circulars, pamphlets, posters. No. 118,241; Aug. 21; p. 241; p. 908.
- Thistle Hat Co., The, New York, N. Y. Hats. No. 116,704; May 15; v. 238; p. 979.
- Thomas A. Edison, Incorporated, West Orange, N. J. Sound-records and sound-record blanks. No. 115,171; Jan. 30; v. 234; p. 1578.
- Thomas Advertising Service, The, Jacksonville, Fla. Pure juice of grape-fruit or pomelo. No. 116,705; May 15; v. 238; p. 979.
- Thomas Advertising Service, The, Jacksonville, Fla. Soft drink. No. 118,592; Sept. 18; v. 242; p. 746.
- Thomas G. Plant Company, Boston, Mass. Boots and shoes of leather, rubber, felt, &c. No. 115,658; Feb. 27; v. 235; p. 1351.
- Thomas, Leon, Paris, France. Corsets, corset girdles and covers of both knitted and textile materials. No. 116,252; Apr. 17; v. 237; p. 914.
- Thomas Medicine Co., Allentown, Pa. Salve for colds, coughs, piles, &c. No. 117,375; July 3; v. 240; p. 336.
- Thomas, Samuel, Lebanon, Oreg. Preparation for the kidneys. No. 115,554; Feb. 20; v. 235; p. 1051.

- Thomassen, Geo. J., Des Moines, Iowa. Remedy for constipation, dyspepsia, liver, kidney, stomach, and bowel disorders. No. 118,106; Aug. 14; v. 241; p. 619.
- Thompson, George L., New York, N. Y. Automobiles. No. 115,036; Jan. 16; v. 234; p. 1042.
- Thoms Bros. Co., Chicago, Ill. Wrapping-paper. No. 117,795; July 31; v. 240; p. 1447.
- Thomson Machine Company, Belleville, N. J. Certain named cutlery, machinery, and tools, and parts thereof. No. 118,107; Aug. 14; v. 241; p. 619.
- Thornton & Chester Milling Co., Buffalo, N. Y. Wheat-flour. No. 118,448; Sept. 4; v. 242; p. 251.
- Thoroughbred Dog Biscuit Co. Inc., New York, N. Y. Dog-biscuits. No. 114,844; Jan. 2; v. 234; p. 372.
- Thos. Crosby & Sons, Ltd., Birmingham, England. Certain named electrical apparatus, machines, and supplies. No. 118,002; Aug. 14; v. 241; p. 616.
- Three-A. Manufacturing Co., New Haven, Conn. Cleaning fluid for white leather and canvas. No. 117,380; July 3; v. 240; p. 336.
- Threshermen's Review Company, The, St. Joseph, Mich. Farm-paper issued monthly. No. 116,100; Apr. 3; v. 237; p. 307.
- Tichenor, Nimrod B., New York, N. Y. Overalls and work pants, shirts, and jumpers. Nos. 118,925-6; Oct. 9; v. 243; p. 521.
- Tide Water Oil Co., New York, N. Y. Refined petroleum. No. 115,822; Mar. 6; v. 236; p. 280.
- Tide Water Oil Co., New York, N. Y. Illuminating-oil. No. 116,017; Mar. 27; v. 236; p. 1218.
- Tide Water Oil Co., New York, N. Y. Illuminating-oils. No. 116,167; Apr. 10; v. 237; p. 618.
- Tide Water Oil Co., New York, N. Y. Refined petroleum. No. 118,108; Aug. 14; v. 241; p. 619.
- Tide Water Oil Co., New York, N. Y. Lubricating-oil. No. 118,109; Aug. 14; v. 241; p. 619.
- Tide Water Oil Co., New York, N. Y. Refined petroleum-oil. No. 118,718; Sept. 25; v. 242; p. 990.
- Tide Water Oil Co., New York, N. Y. Naphtha, gasoline, benzin, motor-spirits, petrol, kerosene, fuel-oil. No. 119,138; Oct. 23; v. 243; p. 1062.
- Tide Water Oil Company, New York, N. Y. Petroleum products. No. 117,381; July 3; v. 240; p. 336.
- Tilden Produce Company, St. Paul, Minn. Butter, cheese, eggs, cream, and poultry. No. 119,400; Nov. 13; v. 244; p. 562.
- Timson Bros. Inc., Boston, Mass. Boots, shoes, slippers, and sandals made wholly and in part of leather and cloth. No. 116,706; May 15; v. 238; p. 979.
- Tinas Company, Detroit, Mich. Remedy for dandruff, eczema, and falling hair. No. 116,101; Apr. 3; v. 237; p. 307.
- Tinker, Matthew, Baltimore, Md. Rubber-stamp outfit and inking-pad combined. No. 116,474; May 1; v. 238; p. 307.
- Tloga Mill & Elevator Co., Waverly, N. Y. Dairy feed. No. 115,119; Jan. 23; v. 234; p. 1309.
- Tire Store, The, Greensburg, Pa. Automobiles, motorcycles, bicycles, and automotor-cycles. No. 119,401; Nov. 13; v. 244; p. 562.
- Tireoid Company, The, Chicago, Ill. Composition for healing punctures in pneumatic tires. No. 115,415; Feb. 6; v. 235; p. 321.
- Titanium Alloy Manufacturing Company, The, New York, N. Y. Compositions containing titanium or its compounds employed as purifiers in metallurgical operations. No. 118,593; Sept. 18; v. 242; p. 746.
- Titanium Alloy Manufacturing Company, The, New York, N. Y. Compositions containing titanium or its compounds. No. 119,402; Nov. 13; v. 244; p. 562.
- Titanium Pigment Company, Inc., Niagara Falls, N. Y. Pigments. No. 117,382; July 3; v. 240; p. 336.
- Titus Blatter & Company, New York, N. Y. Cotton drapery fabrics. No. 116,707; May 15; v. 238; p. 979.
- Titus Blatter & Company, New York, N. Y. Drapery fabrics made of cotton and of cotton and silk mixtures. No. 116,708; May 15; v. 238; p. 979.
- Titus Blatter & Company, New York, N. Y. Artificial and imitation leather. No. 117,948; Aug. 7; v. 241; p. 297.
- Tivoli Mercantile Co., The, Cheyenne, Wyo. Whisky. No. 115,555; Feb. 20; v. 235; p. 1051.
- Tlach, Victor F. J., New York, N. Y. Certain named metal tools for cutting, forming, or holding. No. 116,709; May 15; v. 238; p. 979.
- Tmco Mfg. Co. Inc., New York, N. Y. Disinfecting-paint. No. 114,911; Jan. 9; v. 234; p. 668.
- Todd, Daniel, Sebastopol, Cal. Washing-powders. No. 119,006; Oct. 16; v. 243; p. 791.
- Todd, Mabel L., Cincinnati, Ohio. Tea, coffee, and cocoa. No. 119,995; Dec. 25; v. 245; p. 1022.
- Todd, Thomas J. A., Watonsville, Cal. Ranch products—viz., fresh fruits, berries, and root crops, poultry, and eggs. No. 117,220; June 19; v. 239; p. 937.
- Toepfer & Schroff, Inc., New York, N. Y. Designs for print-cloth, wall-paper, and the like. No. 116,993; June 5; v. 239; p. 316.
- Toepfer & Schroff, Inc., New York, N. Y. Decorative prints. No. 117,716; July 24; v. 240; p. 1163.
- Togan-Stiles Company, The, Grand Rapids, Mich. Sectional buildings. No. 119,007; Oct. 16; v. 243; p. 791.
- Tomahawk Shoe Co., Tomahawk, Wis. Boots and shoes made of leather skins and textiles. No. 117,221; June 19; v. 239; p. 937.
- Tomkins Brothers, Newark, N. J. Fiber used for plastering purposes. No. 115,416; Feb. 6; v. 235; p. 321.
- Tompsett, Henry T., St. Hilda, near Melbourne, Victoria, Australia. Insect-destroying powder. No. 116,380; Apr. 24; v. 237; p. 1216.
- Topeka Flour Mills Company, The, Topeka, Kans. Wheat-flour. No. 116,710; May 15; v. 238; p. 979.
- Topeka Flour Mills Company, The, Topeka, Kans. Wheat-flour. No. 118,349; Aug. 28; v. 241; p. 1154.
- Topeka Oil Company, The, Topeka, Kans. Illuminating, lubricating, and fuel oils. No. 116,475; May 1; v. 238; p. 307.
- Torsch Packing Co., Baltimore, Md. Canned fruits, vegetables, oysters, shrimp, fresh fruit, &c. No. 119,008; Oct. 16; v. 243; p. 791.
- Touraine Company, The, Boston, Mass. Chocolate coating for confectioners and bakers. No. 117,069; June 12; v. 239; p. 652.
- Tousey Varnish Company, Chicago, Ill. Driers. No. 115,253; Jan. 30; v. 234; p. 1580.
- Towle Maple Products Company, The, Wilmington, Del., and St. Paul, Minn. Syrup and molasses. No. 115,693; Feb. 27; v. 235; p. 1353.
- Tracy Company, Inc., New London, Conn. Preparation for use in the treatment of constipation. No. 116,930; June 5; v. 239; p. 314.
- Tracy Company, Inc., New London, Conn. Preparation for use in the treatment for indigestion. No. 116,931; June 5; v. 239; p. 314.
- Tracy Company, Inc., The, New London, Conn. Tablet triturates, compressed tablets, and chemical elements in lozenge form for certain named uses. No. 116,994; June 5; v. 239; p. 316.
- Tracy Company, Inc., The, New London, Conn. Preparation for use in the treatment for dyspepsia. No. 116,995; June 5; v. 239; p. 316.
- Traub Manufacturing Company, Detroit, Mich. Finger-rings. No. 115,556; Feb. 20; v. 235; p. 1051.
- Traub Manufacturing Company, The, Detroit, Mich. Finger-rings. No. 116,996; June 5; v. 239; p. 316.
- Traveler Remedy Co., The, Hot Springs, Ark. Liver-tonic. No. 115,037; Jan. 16; v. 234; p. 1042.
- Travis, Stephen J., Chicago, Ill. Phonographs. No. 116,711; May 15; v. 238; p. 979.
- Trenton Milling Co., Trenton, Ill. Wheat-flour, more specifically self-rising flour. No. 115,694; Feb. 27; v. 235; p. 1353.
- Treo Company, Inc., New York, N. Y. Corsets and brassieres. No. 116,998; June 5; v. 239; p. 316.
- Triangle Conduit Co. Inc., Brooklyn, N. Y. Electrical conduits. No. 118,834; Oct. 2; v. 243; p. 238.
- Triangle Film Corporation, Richmond, Va., and New York, N. Y. Motion-picture films. No. 116,253; Apr. 17; v. 237; p. 914.
- Triangle Music Pub. Co., New York, N. Y. Sheet-music. No. 116,102; Apr. 3; v. 237; p. 307.
- Triangle Pure Food Co., The, New York, N. Y. Sardellen-butter, salmon caviar, mustard, mayonnaise dressing, salmon-butter, anchovy-butter, and peanut-butter. No. 119,140; Oct. 23; v. 243; p. 1063.
- Trifolium Butter Company, Lexington, Ky. Butter. No. 119,478; Nov. 20; v. 244; p. 814.
- Triner, Joseph, Chicago, Ill. An antiseptic used as a gargle, wash, and spray for human uses. No. 119,403; Nov. 13; v. 244; p. 562.
- Trion Toy Company, Inc., Brooklyn, N. Y. Dolls and the heads, bodies, and limbs thereof. No. 116,381; Apr. 24; v. 237; p. 1216.
- Trippe, Barker & Co., New York, N. Y. Cotton and linen piece goods. No. 116,476; May 1; v. 238; p. 307.
- Triumph Trap Co., Inc., Oneida, N. Y. Game-traps. No. 119,827; Dec. 11; v. 245; p. 551.
- Tropical Pharmacal Co., The, New York, N. Y. Certain named medicines and pharmaceutical preparations. No. 115,417; Feb. 6; v. 235; p. 321.
- Troy Chemical Co., Binghamton, N. Y. Veterinary ointment. No. 116,997; June 5; v. 239; p. 316.
- Troy Underwear Co. Inc., Troy, N. Y. Certain named clothing. No. 117,489; July 10; v. 240; p. 637.
- True Blue Drug Co., Columbus, Ohio. Certain named chemicals, medicines, and pharmaceutical preparations. No. 118,111; Aug. 14; v. 241; p. 619.
- True's Oil Company, Spokane, Wash. Lubricating-oils. Nos. 117,222-4; June 19; v. 239; p. 937.
- Trumpler, Walter G., Tiffin, Ohio. Wheat-flour. No. 118,350; Aug. 28; v. 241; p. 1154.
- Trupakt, Inc., Milwaukee, Wis. Oysters. No. 119,479; Nov. 20; v. 244; p. 814.
- Tryalax Mfg. Co. Inc., Philadelphia, Pa. Laxative. No. 116,477; May 1; v. 238; p. 307.
- Tryon Honey Balm Company, Tryon, N. C. Cold-cream. No. 118,719; Sept. 25; v. 242; p. 990.
- Tube Brush Co., Boston, Mass. Shoe-polish. No. 116,254; Apr. 17; v. 237; p. 914.
- Tube Brush Co., Boston, Mass. Brush for polishing shoes. No. 117,225; June 19; v. 239; p. 937.
- Tulloss School Company, The, Springfield, Ohio. Lesson and lecture books, advertising-circulars, testimonial-sheets, catalogues. No. 117,717; July 24; v. 240; p. 1163.
- Turecan & Co., B. H., New York, N. Y. Powdered shaving-soap. No. 119,828; Dec. 11; v. 245; p. 551.

Alphabetical list of registrants of trade-marks—Continued.

- Turkeltaub & Lichter, New York, N. Y. Sewed-through and shank buttons used on women's apparel. No. 117,718; July 24; v. 240; p. 1163.
- Turnbull Manufacturing Company, The, Wilmington, Ohio. Valve-grinders, valve-spring lifters, gas-engines, cone-machines, and batter-mixers. No. 117,617; July 17; v. 240; p. 938.
- Turner, Forest, Kings Mountain, N. C. Soap. No. 116,168; Apr. 10; v. 237; p. 618.
- Turner, Howard B., Mount Sterling, Ky. Smoking and chewing leaf-tobacco. No. 119,219; Oct. 30; v. 243; p. 1306.
- Tuska, Clarence D., Hartford, Conn. Monthly magazine publication. No. 115,038; Jan. 16; v. 234; p. 1042.
- Tustin Hills Citrus Association, Tustin, Cal. Oranges. Nos. 117,949-50; Aug. 7; v. 241; p. 297.
- Tustin Lemon Association, Tustin, Cal. Lemons. No. 117,226; June 19; v. 239; p. 937.
- Twyman, Sidney J., Hamilton, Ohio. Certain named children's play-suits and boys' outer garments. No. 116,713; May 15; v. 238; p. 979.
- Tynion, Mae, New York, N. Y. Preparation for the treatment of lumbago, rheumatism, and swollen joints. No. 116,382; Apr. 24; v. 237; p. 1216.
- Typolith Company, The, Battle Creek, Mich. Overlays, sheet-rubber, and rubber fabric. No. 115,557; Feb. 20; v. 235; p. 1051.
- U. J. Ulery Co., New York, N. Y. Scissors, razors, pocket-knives, and steel table-cutlery. No. 116,019; Mar. 27; v. 236; p. 1218.
- U. S. Expansion Bolt Co., New York, N. Y. Toggle-bolts. No. 118,836; Oct. 2; v. 243; p. 238.
- U. S. Woolen Mills Company, Baltimore, Md. Men's and youths' coats, vests, trousers, and overcoats. No. 118,251; Aug. 21; v. 241; p. 908.
- Ucan Specialties Corporation. (See Yeomans, Thomas, assignor.)
- Uhrenfabrik von J. Rauschenbach's Erben vormals: International Watch Co., Schaffhausen, Switzerland. Watches, watch cases, and dials. No. 119,141; Oct. 23; v. 243; p. 1063.
- Ullrich, Jacob, New York, N. Y. Writing and drawing inks. No. 115,695; Feb. 27; v. 235; p. 1353.
- Umpqua Valley Fruit Union, Roseburg, Oreg. Fresh fruits and vegetables. No. 119,404; Nov. 13; v. 244; p. 562.
- Union Carbide Company, New York, N. Y. Calcium carbide. No. 119,405; Nov. 13; v. 244; p. 562.
- Union Fibre Company, Winona, Minn. Thermal and acoustic insulator made of vegetable fibers. No. 116,867; May 29; v. 238; p. 1636.
- Union Fibre Company, Winona, Minn. Composite sound-deadener made of vegetable fibers. No. 118,477; Sept. 11; v. 242; p. 513.
- Union Fish Co., San Francisco, Cal. Dried fish, and particularly codfish. No. 117,227; June 19; v. 239; p. 937.
- Union Furniture & Novelty Company, Warren, Pa. Folding crib or coop. No. 119,832; Dec. 11; v. 245; p. 551.
- Union Mills, Inc., New York, N. Y. Knitted underwear, sweaters, and sweater-coats. No. 117,796; July 31; v. 240; p. 1447.
- Union Pacific Tea Co., New York, N. Y. Coffee. No. 117,719; July 24; v. 240; p. 1163.
- Union Pacific Tea Company, New York, N. Y. Toilet, laundry, and scouring soaps, washing powder and tablets, silver-polish. No. 116,806; May 22; v. 238; p. 1327.
- Union Pacific Tea Company, New York, N. Y. Certain named chemical and pharmaceutical preparations. No. 119,587; Nov. 27; v. 244; p. 1084.
- Union Paper & Twine Company, The, Cleveland, Ohio. Printing, writing, and wrapping paper. No. 116,999; June 5; v. 239; p. 316.
- Union Petroleum Company, Philadelphia, Pa. Certain named oils and greases. No. 119,588; Nov. 27; v. 244; p. 1084.
- Union Petroleum Company, Philadelphia, Pa. Certain named oils and greases. No. 119,589; Nov. 27; v. 244; p. 1084.
- Union Seed & Fertilizer Company, Guttenberg, N. J. Foodstuffs for cattle and other animals consisting of cotton-seed meal. No. 115,696; Feb. 27; v. 235; p. 1353.
- Union Seed & Fertilizer Company, Guttenberg, N. J. Fertilizer consisting of cotton-seed meal. No. 116,169; Apr. 10; v. 237; p. 619.
- Union Seed & Fertilizer Company, Guttenberg, N. J. Foodstuffs for cattle, &c., consisting of cotton-seed meal. No. 116,714; May 15; v. 238; p. 979.
- Union Special Machine Company, Chicago, Ill. Knitted underwear, sweaters, and stockings, corsets. No. 115,697; Feb. 27; v. 235; p. 1353.
- Union Special Machine Company, Chicago, Ill. Certain named clothing. No. 115,700; Feb. 27; v. 235; p. 1353.
- Union Special Machine Company, Chicago, Ill. Underwear and sweaters. No. 116,255; Apr. 17; v. 237; p. 914.
- Union Switch & Signal Company, The, Swissvale, Pa. Apparatus and machinery with railway signaling and interlocking systems. No. 115,558; Feb. 20; v. 235; p. 1051.
- Union Thermometer Company, Inc., New York, N. Y. Clinical thermometers. No. 119,833; Dec. 11; v. 245; p. 551.
- United Alkali Company Limited, The, Liverpool, England. Caustic soda and potash, manganate of soda, &c. No. 117,951; Aug. 7; v. 241; p. 297.
- United Association of Plumbers and Steam Fitters of the United States and Canada, Chicago, Ill. Certain prints and publications. No. 118,594; Sept. 13; v. 242; p. 746.
- United Brass Manufacturing Company, Cleveland, Ohio. Cocks, metallic valves for general purposes, faucets, supply and drain pipes, and fittings. No. 118,112; Aug. 14; v. 241; p. 619.
- United Breweries Co., Chicago, Ill. Beer. No. 117,000; June 5; v. 239; p. 316.
- United Breweries Company, Chicago, Ill. Soft drink or beverage. No. 119,929; Dec. 18; v. 245; p. 851.
- United Cigar Manufacturers Company, New York, N. Y. Cigars. No. 114,847; Jan. 2; v. 234; p. 372.
- United Cigar Manufacturers Company, New York, N. Y. Cigars. Nos. 115,039-40; Jan. 16; v. 234; p. 1042.
- United Cigar Manufacturers Company, New York, N. Y. Cigars. Nos. 115,254-5; Jan. 30; v. 234; p. 1530.
- United Cigar Manufacturers Company, New York, N. Y. Cigars. Nos. 115,698-9; Feb. 27; v. 235; p. 1353.
- United Cigar Manufacturers Company, New York, N. Y. Cigars. No. 116,715; May 15; v. 238; p. 979.
- United Cigar Manufacturers Company, New York, N. Y. Cigars. No. 116,807; May 22; v. 238; p. 1327.
- United Cigar Manufacturers Company, (now by change of name General Cigar Co., Inc.) New York, N. Y. Cigars. No. 118,242; Aug. 21; v. 241; p. 908.
- United Cigar Manufacturing Company, (now by change of name General Cigar Co., Inc.) New York, N. Y. Cigars. Nos. 118,351-3; Aug. 28; v. 241; p. 1154.
- United Cigar Manufacturers Company, (now by change of name General Cigar Co., Inc.) New York, N. Y. Cigars. No. 118,595; Sept. 18; v. 242; p. 746.
- United Cigar Manufacturers Company, (now by change of name General Cigar Co., Inc.) New York, N. Y. Cigars. No. 118,720; Sept. 25; v. 242; p. 990.
- United Cigar Stores Company of America, Jersey City, N. J., and New York, N. Y. Ice-cream. No. 119,406; Nov. 13; v. 244; p. 562.
- United Combustion Company, New York, N. Y., assignor to Locomotive Pulverized Fuel Company. Combustion-engines, pulverized-fuel locomotives and their parts, &c. No. 115,121; Jan. 23; v. 234; p. 1309.
- United Dollar Shirt Shops, Incorporated, Pittsburgh, Pa. Certain named men's clothing. No. 118,927; Oct. 9; v. 243; p. 521.
- United Drug Company, Boston, Mass. Candy. No. 115,122; Jan. 23; v. 234; p. 1309.
- United Drug Company, Boston, Mass. Certain named rubber goods. No. 115,418; Feb. 6; v. 235; p. 321.
- United Drug Company, Boston, Mass. Rubber nipple. No. 116,808; May 22; v. 238; p. 1327.
- United Drug Company, Boston, Mass. Certain named rubber goods. No. 118,835; Oct. 2; v. 243; p. 238.
- United Drug Company, Boston, Mass. Certain named pharmaceutical preparations. No. 119,407; Nov. 13; v. 244; p. 562.
- United Dyestuff and Photochemical Co., Inc., Brooklyn, N. Y. Photographic developers. No. 115,559; Feb. 20; v. 235; p. 1051.
- United Kingdom Tobacco Company Limited, The, London, England. Cigarettes. No. 117,490; July 10; v. 240; p. 637.
- United Liquid Sulphur Co., Inc., New York, N. Y. Chemicals, medicines, and pharmaceutical preparations containing sulfur in a dissolved form. No. 116,716; May 15; v. 238; p. 979.
- United Phonographs Corporation. (See Dennett, Fred A., assignor.)
- United Phonographs Corporation, Port Washington, Wis. Phonographs and phonograph-records. No. 116,717; May 15; v. 238; p. 979.
- United Refrigerator Companies, Richmond, Ind. Refrigerators. No. 119,480; Nov. 20; v. 244; p. 814.
- United Shoe Machinery Company, Paterson, N. J. Brushes for general and certain named use. No. 116,863; May 29; v. 238; p. 1636.
- United Smelting & Aluminum Company, Inc., New Haven, Conn. Certain named metals and metal castings and forgings. No. 119,142; Oct. 23; v. 243; p. 1063.
- United States Asphalt Refining Co., The, New York, N. Y. Asphalt and asphalt paving materials. No. 117,952; Aug. 7; v. 241; p. 297.
- United States Asphalt Refining Co., The, New York, N. Y. Asphalt and asphalt paving materials. No. 119,834; Dec. 11; v. 245; p. 551.
- United States Envelope Company, Springfield, Mass. Envelopes. No. 117,720; July 24; v. 240; p. 1164.
- United States Gauge Co., The, New York, N. Y. Gages. No. 119,590; Nov. 27; v. 244; p. 1084.
- United States Lacquer Company, Brooklyn, N. Y. Lacquer and thinners. No. 117,001; June 5; v. 239; p. 317.
- United States Lens Company, Geneva, N. Y. Spectacle-lenses. No. 115,869; Mar. 13; v. 236; p. 592.
- United States Metal Cap & Seal Company, New York, N. Y. Closure-tops for bottles, jars, and the like. No. 115,041; Jan. 16; v. 234; p. 1042.
- United States Motion Picture Corporation, Wilkes-Barre, Pa. Motion-picture films. No. 116,478; May 1; v. 238; p. 307.

- United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Rubber, leather, and fabric boots and shoes. No. 114,848; Jan. 2; v. 234; p. 372.
- United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Boots and shoes of rubber, leather, and canvas. No. 115,701; Feb. 27; v. 235; p. 1353.
- United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Pneumatic pillows. No. 118,928; Oct. 9; v. 243; p. 521.
- United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Certain named dental, medical, and surgical appliances. No. 118,929; Oct. 9; v. 243; p. 521.
- United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Rubber cement. No. 118,930; Oct. 9; v. 243; p. 521.
- United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Rubber horseshoes and horse-shoe-pads. No. 118,931; Oct. 9; v. 243; p. 521.
- United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Rubber pails and hat-bags. No. 118,932; Oct. 9; v. 243; p. 521.
- United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Certain named clothing. No. 118,933; Oct. 9; v. 243; p. 521.
- United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Powdered soapstone. No. 119,009; Oct. 16; v. 248; p. 791.
- United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Insulated wire and friction-tape. No. 119,148; Oct. 23; v. 243; p. 1063.
- United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Furnace-bulbs, basin-plugs, force-cups, horn-bulbs, &c. No. 119,144; Oct. 23; v. 243; p. 1063.
- United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Rubber dolls and foot-balls, football bladders, and base-ball chest-protectors. No. 119,408; Nov. 13; v. 244; p. 562.
- United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Rubber sheeting, perforated matting, firemen's landing-mats and blankets. No. 119,835; Dec. 11; v. 245; p. 551.
- United States Rubber Company, New York, N. Y. Overcoats. Nos. 116,170-82; Apr. 10; v. 237; p. 619.
- United States Rubber Company, New York, N. Y. Composition insoles, box-toes, and heel-counters for boots and shoes. Nos. 116,565-6; May 8; v. 238; p. 647.
- United States Rubber Company, New York, N. Y. Rubberized air-craft fabrics. No. 117,002; June 5; v. 239; p. 317.
- United States Rubber Company, New York, N. Y. Rubber boots and shoes and fabric shoes having rubber soles attached thereto by vulcanization. Nos. 117,003-5; June 5; v. 239; p. 317.
- United States Rubber Company, New York, N. Y. Aero-plane-wing fabrics. No. 117,953; Aug. 7; v. 241; p. 297.
- United States Silica Co., Chicago, Ill. Sand-blast sand. No. 117,383; July 3; v. 240; p. 336.
- United States Spot Ground Corporation, Omaha, Nebr. Grounds. Nos. 117,228-9; June 19; v. 239; p. 937.
- United States Spot Ground Corporation, Omaha, Nebr. Grounds. No. 118,243; Aug. 21; v. 241; p. 908.
- United States Wire Mat Company, Decatur, Ill. Fly-killers or hand devices for killing flies, &c. No. 118,244; Aug. 21; v. 241; p. 908.
- Universal Optical Corporation, Providence, R. I. Certain named optical supplies. No. 116,718; May 15; v. 238; p. 979.
- Universal Portland Cement Company, Chicago, Ill. Portland cement. No. 115,560; Feb. 20; v. 235; p. 1051.
- Universal Register Co., Chicago, Ill. Certain named racks, registers, bulletins, and the like. No. 116,719; May 15; v. 238; p. 979.
- University Chemical Co., Philadelphia, Pa. Tooth-powder. No. 116,479; May 1; v. 238; p. 307.
- Usona Manufacturing Company, The, Toledo, Ohio. Electric batteries. No. 118,115; Aug. 14; v. 241; p. 619.
- Utah Fuel Company, Clear Creek and Salt Lake City, Utah. Coal. No. 117,721; July 24; v. 240; p. 1164.
- Utiley Company, The, Holyoke, Mass. Dolls. No. 117,618; July 17; v. 240; p. 938.
- Vaal, Felix, Rotterdam, Netherlands. Peppermint. No. 118,113; Aug. 14; v. 241; p. 619.
- Vacuum Can Co., Chicago, Ill. Food-containers. No. 115,042; Jan. 16; v. 234; p. 1043.
- Vacuum Oil Company, Rochester, N. Y. Illuminating, heating, and lubricating oils and greases. No. 115,043; Jan. 16; v. 234; p. 1043.
- Vahratoglou, Basil, Ithaca, N. Y. Dandruff cure and hair-tonic. No. 119,409; Nov. 13; v. 244; p. 562.
- Val Blatz Brewing Co., Milwaukee, Wis. Non-intoxicating brewed soft drink. No. 116,500; May 8; v. 238; p. 645.
- Valecia Evaporated Milk Company, Madison, Wis. Evaporated milk. No. 115,468; Feb. 13; v. 235; p. 692.
- Valentine, David, New York, N. Y. Silk piece goods. No. 117,797; July 31; v. 240; p. 1447.
- Valk & Bro., S. J., New York, N. Y. Olives. No. 115,419; Feb. 6; v. 235; p. 321.
- Vallaster, Quido, Jersey City, N. J. Salve for blood-poisoning, boils, abscesses, hives, running sores, and piles. No. 117,954; Aug. 7; v. 241; p. 297.
- Valley Chemical Co., Elkins, W. Va. Liniments used in the treatment of certain named diseases. No. 115,256; Jan. 30; v. 234; p. 1580.
- Valley Supply Company, St. Louis, Mo. Baby-crib swing. No. 119,591; Nov. 27; v. 244; p. 1084.
- Van Antwerp's Drug Corporation Inc., Mobile, Ala. Preparation for the destruction and prevention of roaches and water-bugs. No. 118,354; Aug. 28; v. 241; p. 1154.
- Van Antwerp's Drug Corporation, Inc., Mobile, Ala. Preparation for the relief of all raw and irritated skin surfaces. No. 118,596; Sept. 18; v. 242; p. 746.
- Van Dame, William L., Chicago, Ill. Tubular paper receptacles. No. 118,355; Aug. 28; v. 241; p. 1154.
- Van Landingham Co., C. E., Los Angeles, Cal. Canned sardines and tuna fish. No. 117,230; June 19; v. 239; p. 937.
- Van Landingham Co., C. E., Los Angeles, Cal. Canned sardines. No. 117,491; July 10; v. 240; p. 637.
- Van Loenen, Barbara R., Los Angeles, Cal. Prepared cheese made with rennet. No. 118,856; Aug. 28; v. 241; p. 1154.
- Van Nostrand, Alonzo G., assignor to Bunker Hill Breweries Incorporated, Boston, Mass. Non-intoxicating malt beverages. No. 115,702; Feb. 27; v. 235; p. 1353.
- Van Vleet-Mansfield Drug Company, Memphis, Tenn. Certain named chemical and pharmaceutical preparations. No. 117,384; July 3; v. 240; p. 336.
- Vanola Company, The, Winston-Salem, N. C. Chewing-gum and mint. No. 116,720; May 15; v. 238; p. 979.
- Vanola Company, The, Winston-Salem, N. C. Cough-drops. No. 117,006; June 5; v. 239; p. 317.
- Vaporine Co., The, Chicago, Ill. Cleaning and polishing compound for furniture and the like. No. 115,257; Jan. 30; v. 234; p. 1580.
- Varga, John, Linden, N. J. Preparation for the treatment of cancer and eczema. No. 118,114; Aug. 14; v. 241; p. 619.
- Varley, George P., St. Helens, England. Castings of certain named metals. No. 119,592; Nov. 27; v. 244; p. 1084.
- Velvet Grip Shoe Co., Inc., New York, N. Y. Boots and shoes made of leather and canvas. No. 117,007; June 5; v. 239; p. 317.
- Vermont Marble Company, Proctor, Vt. Marble-dust, hydrated lime, and other lime. No. 115,561; Feb. 20; v. 235; p. 1052.
- Vernam Pictures Co. (Inc.), New York, N. Y. Moving-picture films. No. 118,116; Aug. 14; v. 241; p. 619.
- Vesuvius Crucible Company, Swissvale, Pa. Crucibles. No. 118,117; Aug. 14; v. 241; p. 619.
- Vickrey, Harvey, Chicago, Ill. Antiseptic oil, a liniment, and a medicinal compound for treating certain named diseases. No. 117,722; July 24; v. 240; p. 1164.
- Vicsonia Mfg. Co. Inc., New York, N. Y. Phonographs and parts thereof. No. 117,723; July 24; v. 240; p. 1164.
- Victor Electrical Equipment Co., Boston, Mass. Motors and drives for talking-machines. No. 115,125; Jan. 23; v. 234; p. 1309.
- Victor Electrical Equipment Co., Boston, Mass. Motors and drives for talking-machines. No. 115,258; Jan. 30; v. 234; p. 1580.
- Vieglmann, Robert, New York, N. Y. Certain named women's and children's embroidered cotton or silk garments. No. 118,935; Oct. 9; v. 243; p. 522.
- Vineland Preserving Company, Jersey City, N. J. Macaroni. No. 117,070; June 12; v. 239; p. 652.
- Virginia Baking Co. Inc., Richmond, Va. Biscuit. No. 118,449; Sept. 4; v. 242; p. 251.
- Virginia Beverage Corporation, Salem, Va. Beverage carbonated and sold as a soft drink, and syrup for making same. No. 115,904; Mar. 20; v. 236; p. 886.
- Virginia Manufacturing Co., Norfolk, Va. Wooden baskets, tills for shipping fruits and vegetables, and crates. No. 115,905; Mar. 20; v. 236; p. 886.
- Virocullin Co., Waterbury, Conn. Medicinal preparation for treatment of the eyes. No. 115,906; Mar. 20; v. 236; p. 886.
- Vis Vitae Company, Inc., Portland, Oreg. Preparation for external application indicated in the treatment of rheumatism. No. 116,481; May 1; v. 238; p. 307.
- Vitrifyx Company, Chicago, Ill. Composition for surfacing floors. No. 119,410; Nov. 13; v. 244; p. 562.
- Viviano Bros. Macaroni Co. Inc., Chicago, Ill. Macaroni and spaghetti. No. 119,996; Dec. 25; v. 245; p. 1023.
- Voigt, William L., New York, N. Y. Liquid preparation for removing oils and greases from woollens and other textile fabrics. No. 116,256; Apr. 17; v. 237; p. 914.
- Voigt, William L., New York, N. Y. Liquid preparation for removing oils and greases from the skin. No. 116,257; Apr. 17; v. 237; p. 915.
- Von Epler, Joseph, New York, N. Y. Non-alcoholic beverage composed mainly of fruit-juices. No. 119,220; Oct. 30; v. 243; p. 1307.
- Vredeveld, Louis J., Zeeland, Mich. Salve for cuts, bruises, boils, burns, chapped hands, sores, chilblains. No. 118,118; Aug. 14; v. 241; p. 619.
- Vulcan Fuel Economy Company. (See Simonds, George L., assignor.)
- Vulcanite Manufacturing Co., Lindenhurst, N. Y. Snap-fasteners. No. 117,231; June 19; v. 239; p. 937.
- Vulcanite Manufacturing Co., Lindenhurst, N. Y. Snap-fasteners. No. 119,145; Oct. 23; v. 243; p. 1063.

Alphabetical list of registrants of trade-marks—Continued.

- W. Wren & Co. Limited, Northampton, England. Boot and shoe polishes and creams, saddle and harness paste. No. 119,013; Oct. 16; v. 243; p. 791.
- W. B. McVicker Company, New York, N. Y. Pipe-cleaning substance. No. 116,072; Apr. 3; v. 237; p. 306.
- W. B. McVicker Company, New York, N. Y. A cleansing disinfectant and germicide. No. 119,551; Nov. 27; v. 244; p. 1083.
- W. C. Munn Company, Houston, Tex. Corsets. No. 118,988; Oct. 16; v. 243; p. 790.
- W. D. Allen Manufacturing Company, Chicago, Ill. Machinery-belting formed of textile fabric. No. 116,933; June 5; v. 239; p. 315.
- W. D. Byron & Sons, Inc., Williamsport, Md. Leather, and particularly japanned or "patent" leather. No. 114,936; Jan. 16; v. 234; p. 1039.
- W. D. Kibler Co., Indianapolis, Ind. Lubricating-oil. No. 117,257; June 26; v. 239; p. 1205.
- W. D. Kibler Co., Indianapolis, Ind. Furniture-polish. No. 118,070; Sept. 25; v. 242; p. 988.
- W. H. Dyer Company, Evansville, Ind., Evansville, Ind. Pork and beans and canned beans. No. 119,680; Dec. 11; v. 245; p. 547.
- W. H. Marler Company, Inc., Winston-Salem, N. C. Hosiery. No. 119,229; Nov. 6; v. 244; p. 287.
- W. H. McElwain Company, Boston, Mass. Pamphlets issued occasionally and news or style letters issued weekly. No. 118,307; Aug. 28; v. 241; p. 1152.
- W. H. McElwain Company, Boston, Mass. Boots and shoes made of certain named leather. No. 118,894; Oct. 9; v. 243; p. 520.
- W. J. Bush & Co. Incorporated, New York, N. Y. Glycerin substitutes. No. 115,731; Mar. 6; v. 236; p. 277.
- W. J. Dennis & Company, Chicago, Ill. Weather-stripping. No. 119,055; Oct. 23; v. 243; p. 1060.
- W. J. Dennis & Company, Chicago, Ill. Squeegee window-cleaners. No. 119,056; Oct. 23; v. 243; p. 1061.
- W. J. Dennis & Company, Chicago, Ill. Weather-stripping. No. 119,177; Oct. 30; v. 243; p. 1305.
- W. J. Hartzel Company, The, Pittsburgh, Pa. Eggs, butter, butterin, oleomargarin, and cheese. No. 117,140; June 19; v. 239; p. 935.
- W. M. Finck & Company, Detroit, Mich. Men's overalls, jackets, trousers, coats, work-shirts. No. 116,422; May 1; v. 238; p. 306.
- W. N. Best, Inc., New York, N. Y. Certain named heating, lighting and ventilating apparatus, not including electrical apparatus. No. 119,639; Dec. 11; v. 245; p. 545.
- W. N. Clark Company, Rochester, N. Y. Canned fruits, berries, sweet pickled peaches and pears, and vegetables. No. 118,497; Sept. 18; v. 242; p. 743.
- W. R. Grace & Co., New York, N. Y. Chemical preparation to protect potato vines and tubers. No. 115,179; Jan. 30; v. 234; p. 1578.
- W. R. Grace & Co., New York, N. Y. Linseed-oil and ready-mixed paints. No. 116,427; May 1; v. 238; p. 306.
- W. R. Grace & Company. (See Fulton Shoe Polish Co., assignor.)
- W. S. Forbes & Company, Richmond, Va. Shortening composed of cotton-seed oil and stearin. No. 119,955; Dec. 25; v. 245; p. 1021.
- W. T. Grant Company, New York, N. Y. Hosiery. No. 115,887; Mar. 20; v. 236; p. 885.
- W. W. Lawrence & Company, Pittsburgh, Pa. Ready-mixed paint. No. 115,353; Feb. 6; v. 235; p. 319.
- W. W. Lawrence & Company, Pittsburgh, Pa. Ready-mixed paints and enamels; also varnishes, japans. No. 115,974; Mar. 27; v. 236; p. 1217.
- Wabash Chemical & Baking Powder Company, The, Wabash, Ind. Dessert-powder. No. 115,823; Mar. 6; v. 236; p. 280.
- Wabash Sanitary Company, Wabash, Ind. Baby-dressing tables. No. 117,619; July 17; v. 240; p. 938.
- Wachenheimer Bros., Providence, R. I. Certain named articles made of or plated with precious metal, including German silver. No. 119,010; Oct. 16; v. 243; p. 791.
- Wade & Sons, John, Memphis, Tenn. Stock foods. No. 116,383; Apr. 24; v. 237; p. 1216.
- Wadsworth, Howland & Co., Incorporated, Boston, Mass. Certain named paints and painters' materials. No. 116,258; Apr. 17; v. 237; p. 915.
- Wadsworth, Howland & Co., Incorporated, Boston, Mass. Flat and enamel paints and coatings in the nature of paints. No. 116,259; Apr. 17; v. 237; p. 915.
- Wagner, Elmer E., Hazleton, Pa. Overalls and jackets. No. 116,482; May 1; v. 238; p. 308.
- Wagner, Henry, *et al.*, executors. (See Weinhard, Henry.)
- Wagner Manufacturing Company, The, Sidney, Ohio. Metal saucepan. No. 117,008; June 5; v. 239; p. 317.
- Wahl-Henius Research Laboratory, The, Chicago, Ill. Soft drink. No. 119,930; Dec. 18; v. 245; p. 851.
- Wahl, Manfred, Philadelphia, Pa. Lactic-acid culture. No. 117,798; July 31; v. 240; p. 1447.
- Wailles Dove Bitumastic Limited, Newcastle-upon-Tyne, England. Ready-mixed and solid-block paints. No. 114,867; Jan. 9; v. 234; p. 667.
- Wald, Armin, New York, N. Y. Dental paste, almond and cold creams. No. 115,562; Feb. 20; v. 235; p. 1052.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary. Snap-fasteners of all kinds. No. 115,469; Feb. 13; v. 235; p. 692.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary. Cigarette-papers. No. 115,563; Feb. 20; v. 235; p. 1052.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary. Powder-paper. Nos. 115,824-5; Mar. 6; v. 236; p. 280.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary. Cigarette-paper. No. 115,907; Mar. 20; v. 236; p. 886.
- Waldes & Co., Prague-Wrschowitz, Bohemia, Austria-Hungary. Snap-buttons used as garment-fasteners. No. 117,385; July 3; v. 240; p. 336.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary. Certain named fancy goods; furnishings, and notions. Nos. 117,386-7; July 3; v. 240; p. 336.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary. Snap-buttons used as garment-fasteners. No. 117,492; July 10; v. 240; p. 637.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary. Cigarette-paper. Nos. 117,955-6; Aug. 7; v. 241; p. 297.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary, assignor to Waldes & Company of New Jersey. Certain named fancy goods, furnishings, and notions. Nos. 118,357-8; Aug. 28; v. 241; p. 1154.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary, assignor to Waldes & Company of New Jersey. Snap-fasteners of all kinds. No. 118,450; Sept. 4; v. 242; p. 251.
- Waldes & Co., Prague-Wrschowitz, Austria, assignor to Waldes & Company of New Jersey. Snap-buttons used as garment-fasteners. No. 118,597; Sept. 18; v. 242; p. 746.
- Waldes & Co., Prague-Wrschowitz, Austria, assignor to Waldes & Company of New Jersey. Certain named fancy goods, furnishings, and notions. No. 118,598; Sept. 18; v. 242; p. 746.
- Waldes & Co., Prague-Wrschowitz, Austria-Hungary, assignor, by mesne assignments, to Waldes & Company of New Jersey. Powder-paper. No. 119,593; Nov. 27; v. 244; p. 1084.
- Waldes & Company, New York, N. Y. Safety-pins. No. 115,126; Jan. 23; v. 234; p. 1309.
- Waldes & Company of New Jersey. (See Waldes & Co., assignor.)
- Waldes Company of New Jersey, New York, N. Y. Snap and packet fasteners. No. 118,359; Aug. 28; v. 241; p. 1154.
- Waldes & Company of New Jersey, New York, N. Y. Snap-fasteners. No. 118,360; Aug. 28; v. 241; p. 1154.
- Waldes & Company of New Jersey, New York, N. Y. Snap and packet fasteners. No. 118,599; Sept. 18; v. 242; p. 746.
- Waldes & Company of New Jersey, New York, N. Y. Certain named prints and publications. Nos. 119,221-2; Oct. 30; v. 243; p. 1307.
- Waldo, E. M. & F., New York, N. Y. Dry colors for painters' use. No. 115,564; Feb. 20; v. 235; p. 1052.
- Walker M. Levett Company, New York, N. Y. Metallic alloy. No. 114,782; Jan. 2; v. 234; p. 370.
- Wallace & Co., Brooklyn, N. Y. Chocolates and candies. No. 118,837; Oct. 2; v. 242; p. 238.
- Wallace, Harry B., St. Louis, Mo. Rubber tires. No. 115,704; Feb. 27; v. 235; p. 1353.
- Wallace, Savannah B., Augusta, Ga. Certain named hair-tonic. No. 115,123; Jan. 23; v. 234; p. 1309.
- Wallace & Smith Company, The, Laporte, Ind. Carriage-ropes. No. 116,103; Apr. 3; v. 237; p. 307.
- Wallace, Wilfred, New York, N. Y. Wheat-flour. No. 117,493; July 10; v. 240; p. 637.
- Wallace, William A., Savannah, Ga. Headache and neuralgia tablets. No. 119,411; Nov. 13; v. 244; p. 562.
- Wallach Bros., New York, N. Y. Scarfs, cravats, and neckties. No. 119,146; Oct. 23; v. 243; p. 1063.
- Wallach & Mayer, Inc., New York, N. Y. Hosiery. No. 115,044; Jan. 16; v. 234; p. 1043.
- Wallis, James F., Pleasantville, N. J. Preparation for the treatment of cancer and for charging water with radioactive therapeutic properties. No. 116,567; May 8; v. 238; p. 647.
- Wallis Tractor Company, Racine, Wis. Tractors. No. 117,388; July 3; v. 240; p. 336.
- Walsh, Wm. P., Aberdeen, Wash. Pulling implement for use in splicing wire cables and the like. No. 118,119; Aug. 14; v. 241; p. 619.
- Walter G. Ruggles Company, Boston, Mass. Certain named hardware and plumbing and steam-fitting supplies. No. 117,862; July 3; v. 240; p. 335.
- Walter W. Longstreth, Incorporated, Rosemont, Pa. Automobile-varnish. No. 117,342; July 3; v. 240; p. 334.
- Waltham Bag & Paper Company, Waltham, Mass. Paper bags and paper boxes. Nos. 119,147-8; Oct. 23; v. 243; p. 1063.
- Waltham Bag & Paper Company, Waltham, Mass. Paper bags and paper receptacles. No. 119,837; Dec. 11; v. 245; p. 551.
- Waltham Watch Company, Waltham, Mass. Watches, watchcases, all parts of watches, and watch-movements. No. 114,912; Jan. 9; v. 234; p. 669.
- Waltham Watch Company, Waltham, Mass. Watches. No. 119,997-120,000; Dec. 25; v. 245; p. 1023.
- Wanderer-Werke vorm. Winkhofer & Jaenicke Aktiengesellschaft, Schönaun, near Chemnitz, Germany. Certain named receptacles. No. 116,721; May 15; v. 238; p. 979.

- Wanderer-Werke vorm. Winkhofer & Jaenicke Aktiengesellschaft, Schönau, near Chemnitz, Germany. Certain named furniture. Nos. 116,722-3; May 15; v. 238; p. 979.
- Wanderer-Werke vorm. Winkhofer & Jaenicke Aktiengesellschaft, Schönau, near Chemnitz, Germany. Certain named cutlery, machinery, and tools, and parts thereof. No. 116,809; May 22; v. 238; p. 1327.
- Wanderer-Werke vorm. Winkhofer & Jaenicke Aktiengesellschaft, Schönau, near Chemnitz, Germany. Certain named paper and stationery. No. 117,009; June 5; v. 239; p. 317.
- Ward Baking Company, New York, N. Y. Bread. No. 115,706; Feb. 27; v. 235; p. 1353.
- Waring, Edward M., New York, N. Y. Certain cloth-cutting machines with the knives and parts thereof. No. 117,620; July 17; v. 240; p. 938.
- Waring-Underwood Company, The, Philadelphia, Pa. Certain named building construction. No. 117,232; June 19; v. 239; p. 937.
- Warner Bros. Co., The, Bridgeport, Conn. Corsets. No. 116,483; May 1; v. 238; p. 308.
- Warner Bros. Co., The, Bridgeport, Conn. Corsets. No. 117,010; June 5; v. 239; p. 317.
- Warner Bros. Co., The, Bridgeport, Conn. Corsets. Nos. 118,451-2; Sept. 4; v. 242; p. 251.
- Warner Brothers Company, The, Bridgeport, Conn. Brasieres. No. 115,127; Jan. 23; v. 234; p. 1309.
- Warner Brothers Company, Bridgeport, Conn. Corsets. No. 116,104; Apr. 3; v. 237; p. 307.
- Warnola Manufacturing Company Inc., New York, N. Y. Manually-operable automobile-horns. No. 117,621; July 17; v. 240; p. 938.
- Warren Manufacturing Company, Warren, Md. Cotton duck, canvas, and yarn spun or woven in textile fabrics. No. 116,484; May 1; v. 238; p. 308.
- Warren Oil Company, Warren, Pa. Illuminating-oils and lubricating oils and greases. No. 115,260; Jan. 30; v. 234; p. 1580.
- Warren Oil Company, Warren, Pa. Illuminating and lubricating oils and greases. No. 115,261; Jan. 30; v. 234; p. 1580.
- Warren Oil Company, Warren, Pa. Crude petroleum. No. 115,870; Mar. 13; v. 236; p. 592.
- Warren Refining & Chemical Co., The, Cleveland, Ohio. Lubricating-oil, transmission and differential greases. No. 118,120; Aug. 14; v. 241; p. 619.
- Warren Webster and Company, Camden, N. J. Certain named heating, lighting, and ventilating apparatus. Nos. 118,601-2; Sept. 18; v. 242; pp. 746-7.
- Washburn-Crosby Co., Minneapolis, Minn. Wheat-flour. Nos. 115,707-8; Feb. 27; v. 235; p. 1353.
- Washburn Crosby Company, Minneapolis, Minn. Wheat-flour. No. 116,724; May 15; v. 238; p. 979.
- Washburn Crosby Company, Minneapolis, Minn. Blended wheat and rye flour. No. 117,957; Aug. 7; v. 241; p. 297.
- Waskow, Frank, Chicago, Ill. Butter. No. 116,568; May 8; v. 238; p. 647.
- Wasmuth-Endicott Company, Andrews, Ind. Porcelain table-tops. No. 119,149; Oct. 23; v. 243; p. 1063.
- Waterbury Company, Jersey City, N. J., and New York, N. Y. Manila rope. No. 117,233; June 19; v. 239; p. 937.
- Waterloo and Cedar Falls Union Mill Company, The, Waterloo, Iowa. Wheat-flour. No. 118,245; Aug. 21; v. 241; p. 908.
- Waterloo Creamery Company, Council Bluffs, Iowa. Evaporated milk. No. 118,453; Sept. 4; v. 242; p. 251.
- Waters-Walch Mfg. Co., St. Louis, Mo. Writing-paper and envelopes. No. 117,958; Aug. 7; v. 241; p. 297.
- Waterside Mills, Inc., Lowell, Mass. Cotton piece goods—namely, corduroys and velveteens. No. 116,485; May 1; v. 238; p. 308.
- Watertown Carbonating Co., Watertown, S. D. Natural laxative medicinal water. No. 115,128; Jan. 23; v. 234; p. 1309.
- Wattles, Waldo M., Litchfield, Mich. Cigars. No. 119,223; Oct. 30; v. 243; p. 1307.
- Wauchula Citrus Growers' Association, Wauchula, Fla. Citrus fruits. No. 119,412; Nov. 13; v. 244; p. 562.
- Waukesha Pure Food Company, Waukesha, Wis. Jelly and ice-cream powders and gelatins. No. 115,420; Feb. 6; v. 235; p. 321.
- Wausau Abrasives Company, Chicago, Ill. Certain named abrasive material. No. 117,724; July 24; v. 240; p. 1164.
- Weatherall, John A., San Angelo, Tex. Tetter remedy. No. 119,413; Nov. 13; v. 244; p. 562.
- Weaver-Ebling Automobile Co., New York, N. Y. Bicycles. No. 118,361; Aug. 28; v. 241; p. 1154.
- Weaver, John J., New York, N. Y. Photographs and photographic enlargements. No. 118,600; Sept. 18; v. 242; p. 746.
- Weaver Manufacturing Company, Springfield, Ill. Vehicles for use in towing automobiles and the like. No. 115,565; Feb. 20; v. 235; p. 1052.
- Webb, Estelle, Los Angeles, Cal. Shampoo for hair and scalp. No. 119,841; Dec. 11; v. 245; p. 552.
- Webb Packing Co., W. H., The, Bloomington, Ind. Certain named foods. No. 117,071; June 12; v. 239; p. 652.
- Weber, Frederick, Salt Lake City, Utah. Flavoring-syrups and natural mineral waters. No. 114,850; Jan. 2; v. 234; p. 372.
- Weber & Heilbronner, New York, N. Y. Trunks, suitcases, and traveling-bags. No. 119,842; Dec. 11; v. 245; p. 552.
- Weddle Tea Company, New York, N. Y. Tea. No. 119,843; Dec. 11; v. 245; p. 552.
- Wedgefuth, Louis C., Yonkers, N. Y. Medicinal soap having in solution a pure soluble iodine. No. 116,260; Apr. 17; v. 237; p. 915.
- Weideman Co., Cleveland, Ohio. Certain named canned goods and food products. No. 116,486; May 1; v. 238; p. 308.
- Weideman Co., The, Cleveland, Ohio. Cigars. No. 117,011; June 5; v. 239; p. 317.
- Weidlich-Simpson Pen Company, Cincinnati, Ohio. Fountain-pens. No. 118,721; Sept. 25; v. 242; p. 990.
- Weil Corset Company, The, New Haven, Conn. Abdominal surgical health-belts. No. 116,725; May 15; v. 238; p. 979.
- Weil, Sam, St. Louis, Mo. Straw hats. No. 115,421; Feb. 6; v. 235; p. 321.
- Weil & Weil, Inc., New York, N. Y. Ladies' waists for outer wear. No. 118,121; Aug. 14; v. 241; p. 619.
- Weilaphone, Inc., The, New York, N. Y. Devices for telephones. No. 116,261; Apr. 17; v. 237; p. 915.
- Weiller, William C., Baltimore, Md. Middy-blouses. No. 115,129; Jan. 23; v. 234; p. 1309.
- Weinberg, Max W., Newark, N. J. Preparation for the treatment of certain named diseases. No. 117,012; June 5; v. 239; p. 317.
- Weiner, Carl, Chicago, Ill. Cordage constructed from glued ribbons made of cotton. No. 119,150; Oct. 23; v. 243; p. 1063.
- Weinhard, Henry, deceased, Portland, Oreg.; L. Weinhard, A. and P. Wessinger, and H. Wagner, executors. Apple-juice. No. 118,454; Sept. 4; v. 242; p. 251.
- Weinhard, Louise, *et al.*, executors. (See Weinhard, Henry.)
- Weinig, Jonas, New York, N. Y. Fur collars and muffs. No. 117,959; Aug. 7; v. 241; p. 297.
- Weinstein, Louis J., New York, N. Y. Certain named dental, medical, and surgical appliances. No. 119,151; Oct. 23; v. 243; p. 1063.
- Weir Frog Company, The, Norwood, Ohio. Cast-steel frogs. No. 119,152; Oct. 23; v. 243; p. 1063.
- Weiss-Bosley Sales Company, St. Louis, Mo. Certain named automobile equipments and supplies. No. 119,224; Oct. 30; v. 243; p. 1307.
- Weiss, Max, New York, N. Y. Enamel irrigators, bed-pans, douche-pans, and urinals. No. 119,414; Nov. 13; v. 244; p. 562.
- Weicher Brothers, New York, N. Y., and Chicago, Ill. Cigars. No. 115,262; Jan. 30; v. 234; p. 1580.
- Welding Engineer Publishing Co., Chicago, Ill. Monthly magazine. No. 118,246; Aug. 21; v. 241; p. 908.
- Welding Supply Company, Inc., New York, N. Y. Metallic valves for general purposes, and particularly valves used for high-pressure shipping-containers. No. 118,838; Oct. 2; v. 243; p. 238.
- Wellington, Sears & Company, Boston, Mass. Cloth known as cotton duck. No. 115,709; Feb. 27; v. 235; p. 1353.
- Wells-Abbott-Nieman Co., Schuyler, Nebr. Wheat-flour. No. 117,494; July 10; v. 240; p. 637.
- Wells Brothers, Dillon, Mont. Wheat-flour. No. 119,844; Dec. 11; v. 245; p. 552.
- Welsbach Co., Gloucester City, N. J. Certain named lighting apparatus and parts. No. 118,247; Aug. 21; v. 241; p. 908.
- Welsch & Culley, New York, N. Y. Cotton piece goods and silk and cotton piece goods. No. 119,845; Dec. 11; v. 245; p. 552.
- Weish, Joseph, Pasadena, Cal. Leader used in angling. No. 116,185; Apr. 10; v. 237; p. 619.
- Welsher, Samuel I., New York, N. Y. Witch-hazel cream and cold-cream. No. 118,839; Oct. 2; v. 243; p. 238.
- Wenatchee Milling Co., Wenatchee, Wash. Wheat-flour. No. 117,622; July 17; v. 240; p. 938.
- Wenzell Specialty Company, Philadelphia, Pa. Gear-shift for machine parts. No. 115,566; Feb. 20; v. 235; p. 1052.
- Wenzell Specialty Company, Philadelphia, Pa. Gear-shift. No. 115,710; Feb. 27; v. 235; p. 1353.
- Wessinger, Anna, *et al.*, executors. (See Weinhard, Henry.)
- Wessinger, Paul, *et al.*, executors. (See Weinhard, Henry.)
- West, Firm of Britton, and Charles R. Cooper, Chicago, Ill. Insoles. No. 116,385; Apr. 24; v. 237; p. 1216.
- West Coast Soap Company, Oakland, Cal. Soap. No. 117,960; Aug. 7; v. 241; p. 297.
- West Coast Specialty Co., Portland, Oreg. Certain named furniture. No. 117,961; Aug. 7; v. 241; p. 297.
- West Disinfecting Company, New York, N. Y. Disinfectants and insecticides. No. 115,130; Jan. 23; v. 234; p. 1309.
- West Disinfecting Company, New York, N. Y. Animal dips and disinfectants. No. 116,105; Apr. 3; v. 237; p. 307.
- West India Oil Company, Bayonne, N. J. Commodity composed of paraffin-wax and stearin. No. 119,932; Dec. 18; v. 245; p. 851.

Alphabetical list of registrants of trade-marks—Continued.

- West Side Foundry Co., Troy, N. Y. Engine-driven air-pump for automobile-tires. No. 117,495; July 10; v. 240; p. 638.
- West Virginia Pulp & Paper Company, New York, N. Y. Book-papers. No. 116,187; Apr. 10; v. 237; p. 619.
- West Virginia Pulp & Paper Co., New York, N. Y. Coated lithographic paper. No. 116,487; May 1; v. 238; p. 308.
- West Virginia Pulp & Paper Company, New York, N. Y. Music-paper. No. 119,846; Dec. 11; v. 245; p. 552.
- West Virginia Pulp & Paper Company, New York, N. Y. Printing-papers. Nos. 119,847-8; Dec. 11; v. 245; p. 552.
- Western Clock Co., Peru, Ill. Clocks and watches. Nos. 114,913-4; Jan. 9; v. 234; p. 669.
- Western Clock Co., Peru, Ill. Clocks and watches. No. 116,726; May 15; v. 238; p. 979.
- Western Clock Co., Peru, Ill. Clocks and watches. No. 117,962; Aug. 7; v. 241; p. 297.
- Western Clock Co., Peru, Ill. Alarm-clocks. No. 119,011; Oct. 16; v. 243; p. 791.
- Western Dry Battery Co., Seattle, Wash. Dry batteries. No. 116,727; May 15; v. 238; p. 979.
- Western Elaterite Roofing Company, Denver, Colo. Certain named construction materials. No. 118,248; Aug. 21; v. 241; p. 908.
- Western Grocer Company, Oskaloosa, Iowa. Certain named foods. No. 118,603; Sept. 18; v. 242; p. 747.
- Western Screw & Lock-Nut Co., San Francisco, Cal. Nuts. No. 116,810; May 22; v. 238; p. 1327.
- Western Specialty Manufacturing Co., The, Denver, Colo. Liquid refinishing preparation. No. 119,594; Nov. 27; v. 244; p. 1084.
- Western Thread Company, Elgin, Ill. Floss, thread, machine-twist, darning-cotton, &c. No. 119,012; Oct. 16; v. 243; p. 791.
- Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Certain named measuring and scientific appliances. No. 118,722; Sept. 25; v. 242; p. 990.
- Westmoreland Chemical and Color Company, Philadelphia, Pa. Ferric sulfate in solution. No. 117,725; July 24; v. 240; p. 1164.
- Wex, Harry F., Milwaukee, Wis. Disinfectant and insecticide preparations in powder and liquid form, &c. No. 119,153; Oct. 23; v. 243; p. 1063.
- Whartenby, Fred A., Oklahoma, Okla. Chemical tablet, when used in gasoline removes carbon and gives more power and mileage. No. 119,481; Nov. 20; v. 244; p. 815.
- Whatcom Fish Products Co., Bellingham, Wash. Canned salmon. Nos. 116,728-9; May 15; v. 238; p. 980.
- Wheeler Condenser and Engineering Co., Carteret, N. J. Tubes and pipes of seamless drawn brass for steam surface condensers. No. 118,249; Aug. 21; v. 241; p. 908.
- Wheeler & Motter Mercantile Company, St. Joseph, Mo. Woolen, cotton, silk, satin, &c., piece goods. No. 115,046; Jan. 16; v. 234; p. 1043.
- Wheeling Sanitary Mfg. Co., Wheeling, W. Va. Water-closets. No. 119,595; Nov. 25; v. 244; p. 1084.
- White Cross Chemical Company, Lynn, Mass. Insecticide and deodorizer. No. 119,154; Oct. 23; v. 243; p. 1063.
- White, Robert C., Philadelphia, Pa. Laxative pills. No. 119,849; Dec. 11; v. 245; p. 552.
- White Rock Mineral Springs Company, Waukesha, Wis., and New York, N. Y. Natural spring-water used as a beverage. No. 115,828; Mar. 6; v. 236; p. 280.
- White Star Canning Co., East San Pedro, Cal. Canned sardines. No. 118,608; Sept. 18; v. 242; p. 747.
- Whiteley, Clyde C., Wichita, Kans. Live poultry, particularly a strain of Rhode Island Reds. No. 116,188; Apr. 10; v. 237; p. 619.
- Whiting Paper Company, Holyoke, Mass. Writing-papers. No. 116,488; May 1; v. 238; p. 308.
- Whitlock, Miona, Denver, Colo. Cash-discount and cash-discount-savings receipts. No. 114,851; Jan. 2; v. 234; p. 372.
- Whitney Yeast Company, New York, N. Y. Yeast. No. 117,963; Aug. 7; v. 241; p. 297.
- Whittenton Manufacturing Company, Taunton, Mass. Gingham, cotton dress goods and blankets. No. 118,123; Aug. 14; v. 241; p. 619.
- Whole Wheat Coffee Company, Inc., Jersey City, N. J., and New York, N. Y. Coffee and substitutes for coffee. No. 115,711; Feb. 27; v. 235; p. 1353.
- Wickland, Louis P., Genoa, Ohio. Hair-tonic. No. 116,106; Apr. 3; v. 237; p. 307.
- Wid's Film & Film Folk. (See Gunning, Frederick C., assignor.)
- Wiese Packing Co., Seattle, Wash. Canned salmon. Nos. 116,021-2; Mar. 27; v. 236; p. 1218.
- Wilbraham Springs Company, Springfield, Mass. Carbonated soft drinks and syrup therefor. No. 117,013; June 5; v. 239; p. 317.
- Wilbur & Cannon, Syracuse, N. Y. Carbonizing-boxes. No. 116,262; Apr. 17; v. 237; p. 915.
- Wilcox, Crittenden & Co. Inc., Middletown, Conn. Certain named vehicles, not including engines. No. 116,263; Apr. 17; v. 237; p. 915.
- Wild Gardens of Acadia, Bar Harbor, Me. Printed books and pamphlets. No. 118,840; Oct. 2; v. 243; p. 238.
- Wilford Hall Laboratories, Scarsdale, N. Y., and Greenwich, Conn. Shaving-cream. No. 118,656; Sept. 25; v. 242; p. 988.
- Wilford Hall Laboratories, Scarsdale, N. Y., and Greenwich, Conn. Blister-plaster. No. 119,531; Nov. 27; v. 244; p. 1082.
- Wilkins, Horace P., Chicago, Ill. Medicinal preparation or tonic for use in certain named conditions. No. 116,569; May 8; v. 238; p. 647.
- Wilkinson Manufacturing Co., The, Binghamton, N. Y. Child's vehicle. No. 115,424; Feb. 6; v. 235; p. 321.
- Willapa Lumber Co., Raymond, Wash. Lumber. No. 118,363; Aug. 28; v. 241; p. 1154.
- Willett & Gray, New York, N. Y. Daily sugar-paper. No. 116,107; Apr. 3; v. 237; p. 307.
- Willett & Gray, New York, N. Y. Weekly sugar-paper. No. 116,108; Apr. 3; v. 237; p. 307.
- William B. Tighman Co., Salisbury, Md. Fertilizer. No. 118,110; Aug. 14; v. 241; p. 619.
- William B. Tighman Company, Inc., Salisbury, Md. Fertilizers. No. 119,826; Dec. 11; v. 245; p. 551.
- William G. Davidson & Company, Philadelphia, Pa. Wool. No. 118,956; Oct. 16; v. 243; p. 789.
- William J. Gravert, Inc., Long Island City, N. Y. Cement to be used as a bond for fire-brick structures. No. 116,055; Apr. 3; v. 237; p. 306.
- William J. Sheehan Co. Inc., New Haven, Conn. Whisky. No. 117,481; July 10; v. 240; p. 637.
- William Penn Hotel Company, Pittsburgh, Pa. Candy. No. 118,570; Sept. 18; v. 242; p. 745.
- William S. Merrell Chemical Company, The, Cincinnati, Ohio. Fluid medicines made from plant drugs and known as tinctures. No. 115,649; Feb. 27; v. 235; p. 1351.
- William S. Merrell Chemical Company, The, Cincinnati, Ohio. Pine-oil antiseptic. No. 116,537; May 8; v. 238; p. 646.
- William S. Merrell Chemical Company, The, Cincinnati, Ohio. Ointments for the relief of headache. No. 118,074; Aug. 14; v. 241; p. 618.
- William Schotten Coffee Company, St. Louis, Mo. Whole or ground spices. No. 118,336; Aug. 28; v. 241; p. 1153.
- William Tonk & Bro., Inc., New York, N. Y. Grand, upright, player, and electric player pianos. No. 115,692; Feb. 27; v. 235; p. 1352.
- Williams & Company, R. C., New York, N. Y. Mayonnaise dressing. No. 115,712; Feb. 27; v. 235; p. 1353.
- Williams, Epaula M., Terre Haute, Ind. Cough-syrup. No. 115,850; Mar. 6; v. 236; p. 280.
- Williams, Florence E., Savannah, Ga. Pomade preparation for improving the hair. No. 119,415; Nov. 13; v. 244; p. 562.
- Williams Hardware Co., The, Clarksburg, W. Va. Certain named tools. No. 115,263; Jan. 30; v. 234; p. 1581.
- Williams, James W., Paragould, Ark. Pile remedy. No. 117,234; June 19; v. 239; p. 937.
- Williams, Joshua H., Greenville, S. C. Baked food product manufactured principally from flour and sweet potatoes. No. 119,482; Nov. 20; v. 244; p. 815.
- Williams Mfg Co., Santa Ana, Cal. Electric search-lights. No. 115,264; Jan. 30; v. 234; p. 1581.
- Williams, Thos. L., Chicago, Ill. Preparation for stimulating the growth of eye brows and lashes. No. 116,386; Apr. 24; v. 237; p. 1216.
- Willis, Estate of John A., deceased, Columbia, S. C. Steam-engines. No. 118,125; Aug. 14; v. 241; p. 620.
- Willite Road Construction Company of America, New York, N. Y. Bituminous paving and paving materials. No. 115,425; Feb. 6; v. 235; p. 322.
- Willow Springs Brewing Co., Omaha, Nebr. Non-intoxicating cereal beverage sold as a soft drink. No. 117,014; June 5; v. 239; p. 317.
- Wills Mfg. Co., Mendota, Ill. Stock-tank heater. No. 118,841; Oct. 2; v. 243; p. 238.
- Wilmington Hosiery Mills, Inc., The, Wilmington, N. C. Hosiery. No. 116,731; May 15; v. 238; p. 980.
- Wilson, John J., Chicago, Ill. Pickles. Nos. 118,364-5; Aug. 28; v. 241; p. 1154.
- Wilson, O. G., Centralia, Mo. Medicine for the treatment of certain named diseases of horses. No. 115,426; Feb. 6; v. 235; p. 322.
- Wilson Provision Company, Peoria, Ill. Smoked meats, dried salt meats, and lard. No. 114,852; Jan. 2; v. 234; p. 372.
- Wilton Manufacturing Company, Inc., New York, N. Y. Cotton piece goods. No. 116,109; Apr. 3; v. 237; p. 307.
- Wily, James H., South Bethlehem, Pa. Toy gas-cannons. No. 117,799; July 31; v. 240; p. 1447.
- Windmuller, Carolyn T., New York, N. Y. Certain named clothing for women. No. 117,072; June 12; v. 239; p. 652.
- Windsor Material Company, St. Louis, Mo. Cement plaster used for plastering walls. No. 119,155; Oct. 23; v. 243; p. 1063.
- Windsor Print Works, North Adams, Mass., and New York, N. Y. Cotton piece goods and mixed silk and cotton piece goods. No. 118,366; Aug. 28; v. 241; p. 1154.
- Winona Oil Company, Winona, Minn. Lubricating oils and greases. No. 118,724; Sept. 25; v. 242; p. 990.
- Wintermint Co., Inc., The, Harrisburg, Pa. Candy. No. 116,732; May 15; v. 238; p. 980.

- Winton Company, The, Cleveland, Ohio. Automobiles. No. 118,455; Sept. 4; v. 242; p. 251.
- Wirebounds Corporation, Portland, Me., and Chicago, Ill. Boxes and packing-cases. No. 115,427; Feb. 6; v. 235; p. 322.
- Wirt Company, Germantown, Pa. Rheostats. No. 115,265; Jan. 30; v. 234; p. 1581.
- Wirt Company, Germantown, Pa. Rheostats. No. 118,126; Aug. 14; v. 241; p. 620.
- Wirthlin-Mann Company, The, Cincinnati, Ohio. Rubber belting, hose, packing, and tires. No. 115,829; Mar. 6; v. 236; p. 280.
- Wirthlin-Mann Company, The, Cincinnati, Ohio. Fire-extinguishers, drills, taps, and reamers. No. 117,392; July 3; v. 240; p. 336.
- Wisconsin Electric Company, Racine, Wis. Certain named electrical apparatus, machines, and supplies. No. 119,596; Nov. 27; v. 244; p. 1084.
- Wise Brothers, Inc., Baltimore, Md., and New York, N. Y. Overshirts, overalls, underwear, and workmen's garments. No. 116,189; Apr. 10; v. 237; p. 619.
- Wiseman, E. L., Reno, Nev. Preparation for the treatment of corns, calluses, ingrown nails, &c. No. 119,416; Nov. 13; v. 244; p. 562.
- Wiser, Louis E., Philadelphia, Pa. Certain named household, store, and office furniture. No. 115,428; Feb. 6; v. 235; p. 322.
- Wiss, Albert, Peekskill, N. Y. Finger-rings, lavallières, bracelets, brooches. No. 117,015; June 5; v. 239; p. 317.
- Witt, Charles F., Minneapolis, Minn. Print-butter. No. 117,498; July 10; v. 240; p. 638.
- Witte, E. B., Trenton, N. J. Remedy to be injected into the veins for treating certain named diseases. No. 117,727; July 24; v. 240; p. 1164.
- Wittenbacker, Christopher, Flushing, N. Y. Medicine for indigestion, gastritis, and stomach complaints. No. 119,933; Dec. 18; v. 245; p. 851.
- Wittwer, John J., Sr., Seattle, Wash. Shampoo preparation. No. 118,456; Sept. 4; v. 242; p. 251.
- Wm. A. Rogers, Limited, New York, N. Y. Silver-plated flat and hollow ware and cutlery. No. 115,395; Feb. 6; v. 235; p. 321.
- Wm. C. Robinson & Son Co., Baltimore, Md. Sulfonated oil for use in sizing cotton, silk, and woolen yarns. No. 119,378; Nov. 13; v. 244; p. 561.
- Wm. F. Read & Sons Company, Philadelphia, Pa. Woolen dress fabrics. No. 119,116; Oct. 23; v. 243; p. 1062.
- Wm. Filene's Sons Company, Boston, Mass. Certain named clothing for men and women. No. 117,905; July 3; v. 240; p. 333.
- Wm. Filene's Sons Company, Boston, Mass. Golf balls, clubs, and bags. No. 117,537; July 17; v. 240; p. 936.
- Wm. Greulich & Sons, Brooklyn, N. Y. Fittings for traveling-bags, trunks, &c., particularly for protecting footwear and the like carried therein. No. 116,759; May 22; v. 238; p. 1325.
- Wm. J. Moxley, Inc., Chicago, Ill. Oleomargarin. No. 119,547; Nov. 13; v. 244; p. 560.
- Wm. Wrigley, Jr., Company, Chicago, Ill. Chewing-gum. No. 117,966; Aug. 7; v. 241; p. 298.
- Wobb Drug Co., The, Scranton, Pa. Medicinal preparation for the treatment of indigestion. No. 119,850; Dec. 11; v. 245; p. 552.
- Wohl & Co., L., New York, N. Y. Children's rompers, dresses, and play-suits. No. 117,964; Aug. 7; v. 241; p. 298.
- Wohl & Co., M. J., Brooklyn, N. Y. Lighting-cabinets equipped with electric lamps. No. 117,393; July 3; v. 240; p. 336.
- Wolf, Fred W., Chicago, Ill. Refrigerating-machines and parts thereof and refrigerator-boxes. No. 119,156; Oct. 23; v. 243; p. 1063.
- Wolf, Fred W., Chicago, Ill. Refrigerating-machines and parts thereof and refrigerator-boxes. No. 119,225; Oct. 30; v. 243; p. 1307.
- Wolff, Benjamin, Chicago, Ill. Publications issued bi-weekly. No. 118,250; Aug. 21; v. 241; p. 908.
- Wolff Milling Company, New Haven, Mo. Wheat-flour. No. 117,624; July 17; v. 240; p. 938.
- Woman's Institute of Domestic Arts & Sciences, Inc., Scranton, Pa., and New York, N. Y. Monthly periodical. No. 119,417; Nov. 13; v. 244; p. 562.
- Wood, Putnam & Wood Co., Boston, Mass. Poison for rodents. No. 117,965; Aug. 7; v. 241; p. 298.
- Wood & Van Derwerken Varnish Co., Inc., Brooklyn, N. Y. Varnishes. No. 118,725; Sept. 25; v. 242; p. 990.
- Woodbury Shoe Company, Beverly, Mass. Canvas boots and shoes. No. 117,073; June 12; v. 239; p. 652.
- Woolson Spice Company, The, Toledo, Ohio. Coffee. No. 116,733; May 15; v. 238; p. 980.
- Worden Grocer Company, Grand Rapids, Mich. Canned vegetables. No. 120,003; Dec. 25; v. 245; p. 1023.
- World's Dispensary Medical Association, Buffalo, N. Y. Proprietary medicines and remedies for the treatment of certain named diseases and ailments. No. 119,157; Oct. 23; v. 243; p. 1063.
- World's Star Knitting Company, Augusta, Me., and Bay City, Mich. Certain named clothing. No. 118,252; Aug. 21; v. 241; p. 908.
- Wortendyke Manufacturing Co., Richmond, Va. Toilet-paper and paper towels. No. 114,915; Jan. 9; v. 234; p. 669.
- Wortendyke Manufacturing Co., Richmond, Va. Toilet-paper and paper towels. Nos. 116,489-91; May 1; v. 238; p. 308.
- Wortendyke Manufacturing Co., Richmond, Va. Toilet-paper and paper towels. Nos. 117,272-6; June 26; v. 239; p. 1206.
- Wortendyke Manufacturing Company, Richmond, Va. Toilet-paper. No. 115,567; Feb. 20; v. 235; p. 1052.
- Worthington Ball Company, The, Elyria, Ohio. Golf-balls. No. 115,831; Mar. 6; v. 236; p. 280.
- Worthington Ball Company, The, Elyria, Ohio. Golf-balls. No. 116,264; Apr. 17; v. 237; p. 915.
- Worthington Ball Company, The, Elyria, Ohio. Golf-balls. No. 117,625; July 17; v. 240; p. 938.
- Worthington Pump and Machinery Corporation, New York, N. Y. Internal-combustion engines. No. 116,492; May 1; v. 238; p. 308.
- Worumbo Manufacturing Company, Lisbon Falls, Me. Woolen goods in the piece. No. 115,908; Mar. 20; v. 236; p. 886.
- Worumbo Manufacturing Company, Lisbon Falls, Me. Woolen goods in the piece. Nos. 116,265-6; Apr. 17; v. 237; p. 915.
- Worumbo Manufacturing Company, Lisbon Falls, Me. Woolen goods in the piece. No. 116,493; May 1; v. 238; p. 308.
- Worumbo Manufacturing Company, Lisbon Falls, Me. Woolen goods in the piece. No. 117,801; July 31; v. 240; p. 1447.
- Wright Wire Company, Worcester, Mass. Picture-cord, wire ropes and cables. No. 115,909; Mar. 20; v. 236; p. 886.
- Wrigley & Company, Philadelphia, Pa. Tooth-paste. No. 115,832; Mar. 6; v. 236; p. 280.
- Wroblewski, David, New York, N. Y. Liniment for certain named purposes. No. 115,132; Jan. 23; v. 234; p. 1309.
- Wrock & Schueler, Detroit, Mich. Men's and boys' leather boots and shoes. No. 118,936; Oct. 9; v. 234; p. 522.
- Wuichet Fertilizer Company, The, Dayton, Ohio. Fertilizers. No. 116,023; Mar. 27; v. 236; p. 1218.
- Wunda-lusta Company of America. (See Callaway, Robert M., assignor.)
- Wyman, Partridge & Co., Minneapolis, Minn. Women's, misses', and children's coats, women's and misses' suits and dresses. No. 119,158; Oct. 23; v. 243; p. 1063.
- Wyoming Shovel Works, The, Wyoming, Pa. Shovels, spades, and scoops. No. 118,726; Sept. 25; v. 242; p. 990.
- X-Ray Incubator Company, Des Moines, Iowa. Incubators and brooders. No. 117,967; Aug. 7; v. 241; p. 298.
- Y. Pendas & Alvarez, New York, N. Y. Cigars. No. 115,602; Feb. 27; v. 235; p. 1352.
- Y. Pendas & Alvarez, New York, N. Y. Cigars and tobacco. No. 117,702; July 24; v. 240; p. 1163.
- Yale Light Co., The, Chicago, Ill. Gasolene and oil lamps and lanterns. No. 117,802; July 31; v. 240; p. 1447.
- Yale Novelty Company, Leominster, Mass. French-ivory and celluloid combs and fans. No. 115,266; Jan. 30; v. 234; p. 1581.
- Yamatoya Shirt Co., Yokohama, Japan. Dress and negligee shirts, collars, cuffs, pajamas, and kimonos. No. 118,368; Aug. 28; v. 241; p. 1154.
- Ybarra, Hijos de, Seville, Spain. Olive-oil. No. 119,279; Nov. 13; v. 244; p. 558.
- Yellow Pine Medicine Co., Montgomery, Ala. Composition to be applied to the human body to prevent mosquitos from stinging. No. 115,871; Mar. 13; v. 236; p. 592.
- Yeomans, Thomas, assignor to Ucan Specialties Corporation, New York, N. Y. Hair-cutters. No. 117,394; July 3; v. 240; p. 336.
- Yick, Wong, New York, N. Y. Treatment for rheumatism and sore muscles. No. 119,851; Dec. 11; v. 245; p. 552.
- York-Bradford Co., San Francisco, Cal. Paper boxes. No. 118,478; Sept. 11; v. 242; p. 513.
- York Pretzel Bakery, York, Pa. Pretzels, cakes, crackers, and biscuits. No. 119,852; Dec. 11; v. 245; p. 552.
- Yorkshire Creamery Co., Ottumwa, Iowa. Creamery-butter. No. 117,074; June 12; v. 239; p. 652.
- Yost-Merchant Co., Pittsburgh, Pa. Preparation for the treatment of certain named ailments. No. 119,853; Dec. 11; v. 245; p. 552.
- Young, Frederick H., Toledo, Ohio. Toilet creams and powders. No. 118,457; Sept. 4; v. 242; p. 251.
- Young & Griffin Coffee Co., Inc., New York, N. Y. Roasted coffee. No. 118,369; Aug. 28; v. 241; p. 1154.
- Young & Howard, San Francisco, Cal. Medicinal preparation for stomach and nervous troubles, la grippe, &c. No. 119,854; Dec. 11; v. 245; p. 552.
- Young, William C., Buffalo, N. Y. Corn-solvent, dandruff remedy, headache-tablets. No. 116,812; May 22; v. 238; p. 1327.
- Youngken, E. W., Philadelphia, Pa. Liquid shampoo. No. 118,128; Aug. 14; v. 241; p. 620.
- Yountstown Macaroni Co., The, Youngstown, Ohio. Macaroni. No. 115,713; Feb. 27; v. 235; p. 1353.
- Yours Truly Biscuit Co., Inc., Seattle, Wash. Cakes, crackers, and biscuits. No. 117,803; July 31; v. 240; p. 1447.
- Yu Ess Manufacturing Corporation, New York, N. Y. Type-writing machines. No. 119,614; Dec. 4; v. 245; p. 275.

- Zarpas, Nickolaos, Monessen, Pa. Preparation for treatment of certain named diseases and affections. No. 116,387; Apr. 24; v. 237; p. 1216.
- Zauder Bros. Inc., New York, N. Y. Certain named toilet articles. No. 115,133; Jan. 23; v. 234; p. 1309.
- Zechiel, Louis G., South Coventry, Conn. Paste for preventing the collection of moisture, frost, or sleet on glass surfaces. No. 117,395; July 3; v. 240; p. 336.
- Zechnowitz, Samuel, New York, N. Y. Cocoa. No. 118,610; Sept. 18; v. 242; p. 747.
- Ziegfeld Cinema Corporation, New York, N. Y. Moving-picture films. No. 116,494; May 1; v. 238; p. 308.
- Zieve, Rimal, Minneapolis, Minn. Fruit and vegetable compound for flavoring soft drinks. No. 117,016; June 5; v. 239; p. 317.
- Ziff, Joseph, Detroit, Mich. Suspenders, belts, garters. No. 116,734; May 15; v. 238; p. 980.
- Ziff, Joseph, Detroit, Mich. Suspenders. No. 118,937; Oct. 9; v. 243; p. 522.
- Zimetbaum, Abe, Tampa, Fla. Soft drink. No. 114,853; Jan. 2; v. 234; p. 372.
- Zimmer, Max, San Francisco, Cal. Hair-tonics. No. 119,418; Nov. 13; v. 244; p. 562.
- Zip Co., New York, N. Y. Bleaching and water-softening compound. No. 116,735; May 15; v. 238; p. 980.
- Zoes, Christ A., Chicago, Ill. Liquid shoe cleaner, polish, and dressing. No. 116,024; Mar. 27; v. 236; p. 1218.
- Zoes, Christ A., Chicago, Ill. Combined cleaner and dye for leather and leather articles. No. 117,396; July 3; v. 240; p. 336.
- Zol, Limited, London and Kensington, England. Preparation for the treatment of whooping-cough and like ailments. No. 115,134; Jan. 23; v. 234; p. 1309.
- Zuck & Sons, C. W., Erie, Pa. Lettuce. No. 119,159; Oct. 23; v. 243; p. 1063.
- Zuckerraffinerie Tangermünde Fr. Meyers Sohn, Aktiengesellschaft, Tangermünde, Germany. Refined sugar. No. 120,004; Dec. 25; v. 245; p. 1023.
- Zutz, Henry E., St. Paul, Minn. Shampoo powder and liquid, pile-ointment. No. 117,397; July 3; v. 240; p. 336.
- Zutz, Henry E., St. Paul, Minn. Certain named pharmaceutical preparations for toilet purposes. No. 119,855; Dec. 11; v. 245; p. 552.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

- A. Schoenhut Company, The, Philadelphia, Pa. "Big Game Hunter." (For a Toy.) No. 19,993; Mar. 20; v. 236; p. 887.
- A. Schreiber Brewing Co., Buffalo, N. Y. "Schreiber's Kloster Beer." (For Beer.) No. 20,100; May 15; v. 238; p. 981.
- A. Strassburger Company, The, Inc., Pittsburgh, Pa. "Diana Sosborszesz." (For Salt Spirits.) No. 20,364; Nov. 6; v. 244; p. 288.
- A. E. Rittwagen, New York, N. Y. "Rittwagen Allash Kummel." (For Allash Kummel.) No. 20,315; Oct. 9; v. 243; p. 523.
- A. G. Spalding & Bros., Jersey City, N. J., and New York, N. Y. "Spalding Midget Honor Golf Ball." (For Golf-Balls.) No. 20,131; May 29; v. 238; p. 1638.
- A. G. Spalding & Bros., Jersey City, N. J., and New York, N. Y. "Spalding Floating Honor Golf Ball." (For Golf-Balls.) No. 20,132; May 29; v. 238; p. 1638.
- A. J. Reach Co., Philadelphia, Pa. "Reach Whippet Golf Balls." (For Golf-Balls.) No. 20,109; May 22; v. 238; p. 1328.
- A. J. Reach Co., Philadelphia, Pa. "Reach Paramount Golf Balls." (For Golf-Balls.) No. 20,110; May 22; v. 238; p. 1328.
- A. J. Reach Co., Philadelphia, Pa. "Reach Meteor Golf Balls." (For Golf-Balls.) No. 20,111; May 22; v. 238; p. 1328.
- A. J. Reach Co., Philadelphia, Pa. "Reach New Scotty Golf Balls." (For Golf-Balls.) No. 20,112; May 22; v. 238; p. 1328.
- Adams & Elting Company, Chicago, Ill. "Ad-El-Itte Double Lustre Paint." (For Paint.) No. 19,866; Feb. 13; v. 235; p. 693.
- Adams & Elting Company, Chicago, Ill. "Ad-El-Itte Motor Carbon Remover." (For a Carbon-Remover.) No. 19,867; Feb. 13; v. 235; p. 693.
- Advance Automobile Accessories Corp., Chicago, Ill. "Advance Cork Insert Transmission Linings." (For Transmission-Linings.) No. 20,189; June 26; v. 239; p. 1207.
- Advance Automobile Accessories Corp., Chicago, Ill. "Advance Cork Insert Fan Belt." (For Fan-Belts.) No. 20,220; July 31; v. 240; p. 1448.
- Alaska-Pacific Fisheries, Portland, Oreg. "Luncheon." (For Canned Salmon.) No. 19,846; Jan. 30; v. 234; p. 1582.
- Albano, Francesco, New York, N. Y. "Albano's." (For Peppers.) No. 20,152; June 19; v. 239; p. 938.
- Albano, Francesco, New York, N. Y. "Cuoco's." (For Tomatoes.) No. 20,178; June 19; v. 239; p. 938.
- Albany Pharmaceutical Co. Inc., The, Albany, N. Y. "Sapofoam." (For Liquid Shampoo.) No. 20,190; June 26; v. 239; p. 1207.
- Albrecht, William G., Baltimore, Md. "Al-Brento." (For Material for Cleaning Glass and Like Surfaces and for Preventing Depositing of Moisture on the Same.) No. 20,187; June 26; v. 239; p. 1207.
- Alden, Lucy, Saginaw, Mich. "Sanitary Tooth Picks." (For Toothpicks.) No. 19,941; Mar. 6; v. 236; p. 281.
- Alfalfa Laboratories, Chicago, Ill. "Alfalfa Tonic E & K." (For Alfalfa Tonic.) No. 20,192; July 10; v. 240; p. 639.
- Alle-Rhume Remedy Company, Rochester, N. Y. "Allen-rhu." (For Remedy for Rheumatism, Liver, Kidney, and Bowel Complaints.) No. 20,188; June 26; v. 239; p. 1207.
- Allen, John E., El Paso, Tex. "Allen's Herbal Hair Health Tonic." (For a Hair-Tonic.) No. 19,942; Mar. 6; v. 236; p. 281.
- Aling & Cory Co., The, Rochester, N. Y. "Corduroy." (For Paper.) No. 20,221; July 31; v. 240; p. 1448.
- Allwood Lime Company, Allwood Siding, near Manitowoc, Wis. "Milk of Magnesia Lime." (For a Manufactured Lime Product.) No. 20,177; June 19; v. 239; p. 938.
- Alpino Cigar Co., New York, N. Y. "Sigari Italiani." (For Cigars.) No. 19,868; Feb. 13; v. 235; p. 693.
- American Goodstuff Company, Milwaukee, Wis. "Goodstuff." (For a Cleaner.) No. 20,383; Nov. 27; v. 244; p. 1055.
- American Lithographic Company, New York, N. Y. "Quality Cigars." (For Cigars.) No. 20,090; May 8; v. 238; p. 648.
- American Lithographic Company, New York, N. Y. "Seleccion Especial Cigars." (For Cigars.) No. 20,151; June 19; v. 239; p. 938.
- American Pure Food Company, Catlettsburg, Ky. "Two Quart Brand." (For Whisky.) No. 19,869; Feb. 13; v. 235; p. 693.
- American Safety Razor Co. Inc., Brooklyn, N. Y. "Ever-Ready Safety Razor." (For Safety Razors.) No. 19,901; Feb. 20; v. 235; p. 1053.
- Anaheim Citrus Fruit Association, Anaheim, Cal. "Anaheim Supreme." (For Oranges.) No. 20,136; June 5; v. 239; p. 318.
- Anderson, Alfred F. R., New York, N. Y. "The Cleanest Hand In Town." (For Hand Soap Powder.) No. 19,870; Feb. 13; v. 235; p. 693.
- Anderson, Alfred F. R., New York, N. Y. "Uzit Hand Soap Powder." (For Hand Soap Powder.) No. 19,871; Feb. 13; v. 235; p. 693.
- Armour & Company, Chicago, Ill. "'Transparosa' Complexion Glycerine Soap." (For Toilet Soap.) No. 20,312; Oct. 9; v. 243; p. 523.
- Aromint Company, The, Cincinnati, Ohio. "Kof Not." (For Candy Cough-Tablets.) No. 20,051; May 1; v. 238; p. 309.
- Asbury Mills, New York, N. Y. "Kal-I-Fornia Bathing Suit." (For Bathing-Suits.) No. 20,292; Sept. 25; v. 242; p. 991.
- Asch, Leonard C., New York, N. Y. "Annette Kellermann Two in One Bathing Suit." (For Bathing-Suits.) No. 20,298; Oct. 2; v. 243; p. 239.
- Atlantic Beverage Company, Petersburg, Va. "Blue Bird Ginger Ale." (For Ginger-Ale.) No. 20,153; June 19; v. 239; p. 938.
- Aufrecht, Joseph R. A., New York, N. Y. "Victorin." (For Polish.) No. 20,320; Oct. 16; v. 243; p. 792.
- Aunt Jemima Mills Company, St. Joseph, Mo. "Aunt Jemima." (For Pancake, Buckwheat, Corn, and Wheat Flour.) No. 20,103; May 22; v. 238; p. 1328.
- B. Frankel Company, The, New York, N. Y. "Sister Susie." (For Human-Hair Nets.) No. 19,882; Feb. 13; v. 235; p. 693.
- B-Nu Manufacturing Company, Memphis, Tenn. "Prest-O-Nu." (For Automobile-Polish.) No. 20,012; Apr. 10; v. 237; p. 620.
- Bader, William J., Philadelphia, Pa. "Sugar Doodle." (For Candy.) No. 19,831; Jan. 16; v. 234; p. 1044.
- Banks Bros. Packing Co., Norfolk, Va. "Sunshine Brand Pure Lard, With Oleo Stearine Added." (For Lard.) No. 20,119; May 29; v. 238; p. 1638.
- Banks Bros. Packing Co., Norfolk, Va. "Snow Bank." (For a Food Product.) No. 20,120; May 29; v. 238; p. 1638.
- Barbour, Sallm, New York, N. Y. "Barbour Coffee." (For Coffee.) No. 20,117; May 29; v. 238; p. 1638.
- Barley Foods Co., Morgantown, W. Va. "Breakfast Barley." (For Specially-Prepared Barley.) No. 19,872; Feb. 13; v. 235; p. 693.
- Barley Foods Co., Morgantown, W. Va. "Pearl Barley." (For Pearl-Barley.) No. 19,873; Feb. 13; v. 235; p. 693.

- Barnes, W. Porter, Santa Rosa, Cal. "Powerene." (For a Fuel Intensifier and Decarbonizer.) No. 20,137; June 5; v. 239; p. 318.
- Batchelder, Francis J., New York, N. Y. "Rainbow Game." (For Rainbow Game.) No. 19,921; Feb. 27; v. 235; p. 1354.
- Batterman Rubber Company, Boston, Mass. "Toesan Rubbers For Women." (For Women's Rubbers.) No. 20,249; Aug. 28; v. 241; p. 1155.
- Bay State Milling Co., Winona, Minn. "Wartime." (For Flour.) No. 20,294; Sept. 25; v. 242; p. 991.
- Becker-Moore Paint Company, The, St. Louis, Mo. "Security." (For Ready-Mixed Paints.) No. 20,193; July 10; v. 240; p. 639.
- Becker-Moore Paint Company, The, St. Louis, Mo. "Best Made." (For Ready-Mixed Paints.) No. 20,194; July 10; v. 240; p. 639.
- Beckley-Ralston Co., The, Chicago, Ill. "Canvas Back Patching Stock." (For Tire-Repair Material.) No. 19,959; Mar. 20; v. 236; p. 887.
- Beech-Nut Packing Company, Canajoharie, N. Y. "Beech-Nut Brand." (For a Beverage.) No. 20,118; May 29; v. 238; p. 1638.
- Beggs & Cobb, Inc., Boston, Mass. "Sno Buck." (For Upper-Leather for Boots and Shoes.) No. 20,228; Aug. 14; v. 241; p. 621.
- Beistle Company, The, Shippensburg, Pa. "Complete Party Outfit." (For Halloween Decorations.) No. 20,179; June 19; v. 239; p. 938.
- Bel-Car-Mo Nut Butter Company, Inc., Grand Rapids, Mich. "Cream Nut Brand Peanut Butter." (For Peanut-Butter Package.) No. 20,384; Nov. 27; v. 244; p. 1085.
- Berry, N. E., Buffalo, N. Y. "Nebline." (For a Cuticle-Salve.) No. 19,902; Feb. 20; v. 235; p. 1053.
- Billow Washable Pillow Company, The, Columbus, Ohio. "The Billow Washable Pillow." (For Pillows.) No. 20,195; July 10; v. 240; p. 639.
- Black Cat Textiles Company, Kenosha, Wis. "Black Cat." (For Hosiery.) Nos. 20,238-40; Aug. 21; v. 241; p. 910.
- Black Cat Textiles Company, Kenosha, Wis. "Cooper's Bennington Summerwear." (For Summer Wear.) No. 20,342; Oct. 30; v. 243; p. 1308.
- Blue Bird Beverage Company, New Orleans, La. "Blue Bird." (For Ginger-Ale.) No. 20,288; Sept. 25; v. 242; p. 991.
- Bradley Manufacturing Co. Inc., Bluefield, W. Va. "Bradley's Corn Remover." (For the Treatment of Corns.) No. 19,847; Jan. 30; v. 234; p. 1582.
- Brockton Macaroni Manufacturing Company, Brockton, Mass. "Brockton Brand Macaroni." (For Macaroni.) No. 20,052; May 1; v. 238; p. 309.
- Bunting, James E., Flushing, N. Y. "Daun." (For Toilet Powder.) No. 20,368; Nov. 20; v. 244; p. 816.
- Burgess Battery Company, Madison, Wis. "Burgess Batteries Full Of Pep." (For Electric Batteries.) No. 20,139; June 5; v. 239; p. 318.
- Burly Drug Co., Lansing, Mich. "Wa-Ke-Za For Sore Feet." (For Liquid for the Prevention and Cure of Sore Feet.) No. 20,053; May 1; v. 238; p. 309.
- Burton Bros. & Co., New York, N. Y. "Hawaiian Cloth." (For Cloth.) No. 20,393; Dec. 18; v. 245; p. 843.
- Buttler, Robert, New York, N. Y. "Arbeco." (For Pepper.) No. 20,343; Oct. 30; v. 243; p. 1308.
- Byrd, Atvill, Kansas City, Mo. "Plates for Stock Tags." (For Tags for Live Stock to Indicate That They Have Been Tested for Various Diseases.) No. 19,960; Mar. 20; v. 236; p. 887.
- C. A. Swoyer Co., Columbus, Ohio. "Casco Easy Polish." (For Polish for Pianos, Furniture, Woodwork, Leatherwork, and Automobiles.) No. 20,365; Nov. 6; v. 244; p. 288.
- C. F. Burgess Laboratories, Madison, Wis. "Burgess Battery." (For Electric Batteries.) Nos. 20,038-9; Apr. 24; v. 237; p. 1217.
- C. F. Burgess Laboratories, Madison, Wis. "Super-Six." (For Electric Batteries.) No. 20,116; May 29; v. 238; p. 1638.
- C. F. Burgess Laboratories, Madison, Wis. "Twin-Six." (For Electric Batteries.) No. 20,138; June 5; v. 239; p. 318.
- Caldwell Coffee Co., The, Duluth, Minn. "Gold Medal Steel Cut Coffee." (For Coffee.) No. 19,961; Mar. 20; v. 236; p. 887.
- Caldwell Coffee Co., The, Duluth, Minn. "Caldwell's Aroma Golden Blend Coffee." (For Coffee.) No. 19,962; Mar. 20; v. 236; p. 887.
- Caldwell Coffee Company, The, Duluth, Minn. "Caldwell's Aroma Electric Cut Coffee." (For Coffee.) No. 19,963; Mar. 20; v. 236; p. 887.
- Caldwell Coffee Co., The, Duluth, Minn. "Aroma Gold Medal Coffee." (For Coffee.) No. 19,964; Mar. 20; v. 236; p. 887.
- Caldwell Coffee Co., The, Duluth, Minn. "Moose Brand Coffee." (For Coffee.) No. 19,965; Mar. 20; v. 236; p. 887.
- Caldwell Coffee Co., The, Duluth, Minn. "Caldwell's Dinner Cup Blend Coffee." (For Coffee.) No. 19,966; Mar. 20; v. 236; p. 887.
- California Associated Olive Growers, Inc., San Francisco, Cal. "Serra California Ripe Olives." (For Olives.) No. 20,140; June 5; v. 239; p. 318.
- California Central Creameries, San Francisco, Cal. "Golden Gate." (For Butter.) No. 20,222; Aug. 7; v. 241; p. 299.
- California Prune and Apricot Growers, Inc., San Jose, Cal. "Sunsweet." (For Dried Prunes.) No. 20,289; Sept. 25; v. 242; p. 991.
- California Sanitary Canning Co., Los Angeles, Cal. "Red-Ripe." (For Canned Tomatoes.) No. 20,321; Oct. 16; v. 243; p. 792.
- California Sanitary Canning Co., Los Angeles, Cal. "Full-Ripe." (For Canned Peaches.) No. 20,322; Oct. 16; v. 243; p. 792.
- Cappiello, Nicola, Dunmore, Pa. "Café Spumante." (For Coffee.) No. 19,853; Jan. 30; v. 234; p. 1582.
- Caproni Brothers Company, Providence, R. I., and Florence, Italy. "Grotto." (For Vermuth.) No. 20,394; Dec. 18; v. 245; p. 843.
- Carnation Milk Products Company, Seattle, Wash. "Carnation." (For Milk Products and More Particularly Butter.) No. 20,313; Oct. 9; v. 243; p. 523.
- Cascade Packing Company, Anacortes, Wash. "Queen's Choice." (For Canned Salmon.) No. 20,369; Nov. 20; v. 244; p. 816.
- Caskel, Ira M., San Francisco, Cal. "Excello Brand, Grand Prize Guatemala Coffee." (For Coffee.) No. 19,875; Feb. 13; v. 235; p. 693.
- Casson, Wilmer, Salisbury, Md. "Casson's Cream Liniment." (For Liniment.) No. 19,832; Jan. 16; v. 234; p. 1044.
- Castle Brothers, San Francisco, Cal. "Cowboy." (For Prunes.) No. 19,922; Feb. 27; v. 235; p. 1354.
- Central Mfg. Co., Kansas City, Mo. "Star Dust." (For Silver-Cleaner.) No. 19,967; Mar. 20; v. 236; p. 887.
- Chamberlain Company, The, Pittsburgh, Pa. "K K." (For Cleaning Compound.) No. 20,191; June 26; v. 239; p. 1207.
- Channell Chemical Company, Chicago, Ill. "O-Cedar Dust Cloths." (For O-Cedar Dust-Cloths.) No. 19,925; Feb. 27; v. 235; p. 1354.
- Chardeau Company, The, New York, N. Y. "Chardeau." (For Vermuth.) No. 20,196; July 10; v. 240; p. 639.
- Charles, R. G., Wye Mills, Md. "Edible." (For Canned Corn.) No. 19,833; Jan. 16; v. 234; p. 1044.
- Charles S. Gove Company, Boston, Mass. "\$1,000 Pure Straight Whiskey." (For Whisky.) No. 20,337; Oct. 23; v. 243; p. 1064.
- Chas. Chipman's Sons Co. Inc., New York, N. Y. "Glad." (For Stockings.) No. 20,344; Oct. 30; v. 243; p. 1308.
- Chas. Chapman's Sons Co. Inc., New York, N. Y. "Accordion." (For Hosiery.) No. 20,395; Dec. 18; v. 245; p. 843.
- Chatfield & Wood Sack Company, The, Cincinnati, assignor to Chillicothe Milling Company, Chillicothe, Ohio. "Mount Logan Patent Flour." (For Flour.) No. 20,197; July 10; v. 240; p. 639.
- Chillicothe Milling Company, (See Chatfield & Wood Sack Company, The, assignor.)
- Chr. Hansen's Laboratory, Inc., Hansen Islands, Little Falls, N. Y. "Have Some Junket!" (For Hansen's Junket Tablets.) No. 20,314; Oct. 9; v. 243; p. 523.
- Clapham, August J., New York, N. Y. "Dentola." (For a Dentifrice.) No. 19,903; Feb. 20; v. 235; p. 1053.
- Clawson & Wilson Company, Buffalo, N. Y. "Rough & Tumble Play Suits." (For Boys' Cotton Fabric Play-Suits.) No. 20,040; Apr. 24; v. 237; p. 1217.
- Cleveland Home Sewing Co., The, Cleveland, Ohio. "Yake." (For Sewer.) No. 19,876; Feb. 13; v. 235; p. 693.
- Clochessy, John, New York, N. Y. "Side Seam, No Leak." (For Paper Bags.) No. 20,396; Dec. 18; v. 245; p. 843.
- Cohen, N. B., Scranton, Pa. "The Face Veil." (For Veils.) No. 20,104; May 22; v. 238; p. 1328.
- Cohen, Nathan B., Scranton, Pa. "Bestyette." (For Hair-Nets.) No. 20,345; Oct. 30; v. 243; p. 1308.
- Commercial Cigar Co., The, Newark, Ohio. "Commercial Club." (For Cigars.) No. 19,834; Jan. 16; v. 234; p. 1044.
- Connet, Hugh I., New York, N. Y., assignor to J. William Landenberger, Philadelphia, Pa. "Randolph Cuties." (For Children's Hosiery.) No. 20,180; June 19; v. 239; p. 938.
- Conrad, Charles F., New York, N. Y. "The Chiropractor." (For Cigars.) No. 20,208; July 24; v. 240; p. 1165.
- Conrad, Charles F., New York, N. Y. "The Chiropractor." (For Cigarettes.) No. 20,209; July 24; v. 240; p. 1165.
- Conrad, Charles F., New York, N. Y. "The Naturopath." (For Cigarettes.) No. 20,262; Sept. 4; v. 242; p. 252.
- Conrad, Charles F., New York, N. Y. "The Naturopath." (For Cigars.) No. 20,263; Sept. 4; v. 242; p. 252.
- Conrad, Charles F., New York, N. Y. "The Osteopath." (For Cigars.) No. 20,264; Sept. 4; v. 242; p. 252.
- Conrad, Charles F., New York, N. Y. "The Osteopath." (For Cigarettes.) No. 20,265; Sept. 4; v. 242; p. 252.
- Conrad, Charles F., New York, N. Y. "Peace (P. O. E.)." (For Cigars.) No. 20,278; Sept. 11; v. 242; p. 514.
- Conrad, Charles F., New York, N. Y. "Peace (P. O. E.)." (For Cigarettes.) No. 20,279; Sept. 11; v. 242; p. 514.
- Conrad, Charles F., New York, N. Y. "Dr. Conrad's Health Food." (For Food.) No. 20,299; Oct. 2; v. 243; p. 239.

Alphabetical list of registrants of labels—Continued.

- Consumers Brewing Company, New Orleans, La. "White Ribbon." (For a Temperance Beverage.) No. 20,210; July 24; v. 240; p. 1165.
- Coplay Cement Manufacturing Company, New York, N. Y. "Anchor Portland Cement." (For Portland Cement.) No. 20,181; June 19; v. 239; p. 938.
- Copps Co., The, Stevens Point, Wis. "Birchwood." (For Coffee.) No. 19,904; Feb. 20; v. 235; p. 1053.
- Cordo-Hyde Company, Brockton, Mass. "The Cordo-Hyde Lace." (For Shoe-Laces.) No. 19,877; Feb. 13; v. 235; p. 693.
- Crowley, Harry R., Philadelphia, Pa. "American Tutti-Frutti Uncle Sam's Choice Confections." (For Tutti-Frutti Tablets.) No. 20,266; Sept. 4; v. 242; p. 252.
- Crown Brewing Company, The, Cincinnati, Ohio. "Tang." (For a Non-Intoxicating Beverage.) No. 20,121; May 29; v. 238; p. 1638.
- Dahnke-Walker Mfg. Co., Union City, Tenn. "Jersey Cream." (For Wheat-Flour.) No. 19,848; Jan. 30; v. 234; p. 1582.
- Darvill, Frederick, South Berwick, Me. "Old English." (For Furniture-Polish.) No. 20,045; Apr. 24; v. 237; p. 1217.
- Davis & Co., New York, N. Y. "Fountain Brand Bathing Soda." (For Bathing-Soda.) No. 19,968; Mar. 20; v. 236; p. 887.
- Davis New Life Co., Kansas City, Mo. "Davis' New Life Polish." (For a Polish.) No. 20,198; July 10; v. 240; p. 639.
- Davis, Roger T., San Antonio, Tex. "Kleen-a-Pipe." (For a Dissolving Cleaning Disinfecting Compound.) No. 20,021; Apr. 17; v. 237; p. 916.
- Deehan, M. F., Boston, Mass. "Autotox Tablets." (For Medicinal Preparation.) No. 19,998; Apr. 10; v. 237; p. 620.
- Dehan, M. F., assignor to M. F. Deehan, Boston, Mass. "Autotox Tablets." (For a Medicinal Preparation.) No. 19,878; Feb. 13; v. 235; p. 693.
- Derryvale Linen Company, New York, N. Y. "Derryvale." (For Irish Linen.) No. 20,046; Apr. 24; v. 237; p. 1217.
- Detroit Dental Manufacturing Co., Detroit, Mich. "Kerr Ex-O-Dent." (For Chewing-Gum.) No. 20,022; Apr. 17; v. 237; p. 916.
- Detroit Stove Works, Detroit, Mich. "Jewel Stove and Furnaces Detroit Stove Works." (For Stoves and Furnaces.) No. 20,070; May 8; v. 238; p. 648.
- Dodge, Sweeney & Co., San Francisco, Cal. "Dodge." (For Canned Oysters.) No. 20,141; June 5; v. 239; p. 318.
- Donald Company, The, Grand Island, Nebr. "Rob Roy." (For Coffee.) No. 20,334; Oct. 23; v. 243; p. 1064.
- Donald Company, The, Grand Island, Nebr. "Rob Roy." (For Tea.) No. 20,397; Dec. 18; v. 245; p. 843.
- Drew & Lipke, New York, N. Y. "The Emblem Shirt." (For Shirts.) No. 19,926; Feb. 27; v. 235; p. 1354.
- Drew & Lipke, New York, N. Y. "The Fleur de Lis Shirt." (For Shirts.) No. 19,927; Feb. 27; v. 235; p. 1354.
- Du Pont, Auguste F. P., New York, N. Y. "Potage Du Pont." (For Concentrated Vegetable Soups Containing Beans.) No. 20,272; Sept. 4; v. 242; p. 252.
- Du Pont, Auguste F. P., New York, N. Y. "Puree Du Pont." (For Concentrated Vegetable Dish Containing Peas but Not Soup.) No. 20,273; Sept. 4; v. 242; p. 252.
- Du Pont, Auguste F. P., New York, N. Y. "Du Pont Soups Tri-Color Brand." (For Concentrated Soup Containing Green Vegetables.) No. 20,274; Sept. 4; v. 242; p. 252.
- Du Pont, Auguste F. P., New York, N. Y. "Du Pont Puree Tri-Color Brand." (For Concentrated Vegetable Dish Other Than Soups.) No. 20,275; Sept. 4; v. 242; p. 252.
- Du Pont, Auguste F. P., New York, N. Y. "Du Pont Concentrated Vegetable Soup." (For Soups Made of Vegetables.) No. 20,276; Sept. 4; v. 242; p. 252.
- Du Pont, Auguste F. P., New York, N. Y. "Du Pont Concentrated Vegetable Dish." (For Concentrated Vegetable Dish Containing Beans.) No. 20,277; Sept. 4; v. 242; p. 252.
- Dudley & Company, W. H., New York, N. Y. "Packed At The Water's Edge." (For Preserved Shrimp in Cans.) No. 20,370; Nov. 20; v. 244; p. 816.
- Dunlap, S. D., Batavia, N. Y. "Marbleoid Asphalt Roofing." (For Roofing-Paper.) No. 20,122; May 29; v. 238; p. 1638.
- Dunn, Albert L., Louisville, Ky. "Albert L. Dunn Mint Julep Gum." (For Mint-Julep Gum.) No. 19,928; Feb. 27; v. 235; p. 1354.
- Durabl-Ink Company, Chicago, Ill. "Durabl-Inks." (For Inks.) No. 20,286; Sept. 25; v. 242; p. 991.
- Dwinell-Wright Company, Boston, Mass. "Colonial Girl." (For Coffee.) No. 19,999; Apr. 10; v. 237; p. 620.
- Dwinell-Wright Company, Boston, Mass. "Grandma." (For Coffee.) No. 20,000; Apr. 10; v. 237; p. 620.
- E. B. Polish Co., Harrisville, R. I. "The E. B. Water Proof Polish For Cleaning and Polishing." (For Water-proof Polish.) No. 20,267; Sept. 4; v. 242; p. 252.
- E. B. Read & Son Co., Baltimore, Md. "Carried Home." (For Cigars.) No. 20,349; Oct. 30; v. 243; p. 1308.
- E. W. Gates & Son Co., Richmond, Va. "Aden." (For Succotash.) No. 20,044; Apr. 24; v. 237; p. 1217.
- E. W. Gates & Son Co., Richmond, Va. "Aden." (For Canned Sauer-Kraut.) No. 20,154; June 19; v. 239; p. 938.
- E. W. Gates & Son Co., Richmond, Va. "Aden." (For Canned Mixed Vegetables.) No. 20,155; June 19; v. 239; p. 938.
- E. W. Gates & Son Co., Richmond, Va. "Aden." (For Canned Peaches.) No. 20,156; June 19; v. 239; p. 938.
- E. W. Gates & Son Co., Richmond, Va. "Aden." (For Canned Beans.) No. 20,157; June 19; v. 239; p. 938.
- E. W. Gates & Son Co., Richmond, Va. "Aden." (For Canned Corn.) No. 20,158; June 19; v. 239; p. 938.
- E. W. Gates & Son Co., Richmond, Va. "Aden." (For Canned Peas.) No. 20,159; June 19; v. 239; p. 938.
- E. W. Gates & Son Co., Richmond, Va. "Aden." (For Canned Tomatoes.) No. 20,160; June 19; v. 239; p. 938.
- E. W. Gates & Son Co., Richmond, Va. "Aden." (For Canned Pineapple.) No. 20,202; July 10; v. 240; p. 639.
- Earl Fruit Company of the Northwest, Spokane, Wash. "Blue Snow Shoe." (For Apples.) No. 20,229; Aug. 14; v. 241; p. 621.
- Earl Fruit Company of the Northwest, Spokane, Wash. "Paradise." (For Apples.) No. 20,230; Aug. 14; v. 241; p. 621.
- Earl Fruit Company of the Northwest, Spokane, Wash. "Peacock." (For Apples.) No. 20,231; Aug. 14; v. 241; p. 621.
- Earl Fruit Company of the Northwest, Spokane, Wash. "Red Domino." (For Apples.) No. 20,232; Aug. 14; v. 241; p. 621.
- Earl Fruit Company of the Northwest, Spokane, Wash. "Blue Domino." (For Apples.) No. 20,233; Aug. 14; v. 241; p. 621.
- Earle C. Anthony, Inc., Los Angeles, Cal. "Multimotor Cylinder Oil." (For Lubricating-Oil.) No. 19,830; Jan. 16; v. 234; p. 1044.
- Earle C. Anthony, Inc., Los Angeles, Cal. "Columbia Motor Oil." (For Lubricating-Oil.) No. 19,843; Jan. 16; v. 234; p. 1044.
- Eddy and Fisher Co., The, Providence, R. I. "Clickquot Dry Gin." (For Dry Gin.) No. 19,905; Feb. 20; v. 235; p. 1053.
- Edwin B. Stimpson Company, Brooklyn, N. Y. "Stimpson-Rivets." (For Rivets.) No. 20,059; May 1; v. 238; p. 309.
- Egola Mfg. Co., West Cornwall, Conn. "Egola." (For a Substitute for Eggs.) No. 20,056; May 1; v. 238; p. 309.
- Elcholtz, John A., Gettysburg, Pa. "No Spot." (For a Cleaning Fluid.) No. 19,879; Feb. 13; v. 235; p. 693.
- Eisner-Mendelson Co., New York, N. Y. "Hoffex." (For a Non-Alcoholic Beverage.) No. 20,300; Oct. 2; v. 243; p. 239.
- Elk Brewing Co., Kittanning, Pa. "Elko." (For a Non-Intoxicating Beverage.) No. 20,142; June 5; v. 239; p. 318.
- Emerson Phonograph Company, Inc., New York, N. Y. "Emerson Record." (For Phonograph-Record Disks.) Nos. 19,880-1; Feb. 13; v. 235; p. 693.
- Emze Cigar Co., Philadelphia, Pa. "Smokewell." (For Cigars.) No. 19,943; Mar. 6; v. 236; p. 281.
- Engels, H., Chicago, Ill. "Dr. Engels' Anti-Diphtheritis." (For a Remedy for Diphtheria.) No. 20,398; Dec. 18; v. 245; p. 843.
- Evansville Brewing Assn., Evansville, Ind. "Sterling." (For a Non-Intoxicating Beverage.) No. 20,041; Apr. 24; v. 237; p. 1217.
- Excello Polish Co., Portsmouth, Ohio. "Excello." (For a Polish for Furniture.) No. 20,093; May 15; v. 238; p. 981.
- F. K. James Company, New York, N. Y. "James Sur-ratts." (For a Flesh-Whitening Solution.) No. 20,250; Aug. 28; v. 241; p. 1155.
- Farley Candy Company, Chicago, Ill. "Chick-A-dee." (For Candies.) No. 19,969; Mar. 20; v. 236; p. 887.
- Farley Candy Company, Chicago, Ill. "Br'er Rabbit." (For Candies.) No. 19,970; Mar. 20; v. 236; p. 887.
- Farley Candy Company, Chicago, Ill. "Just Out 'Baby Bantam Candy Eggs." (For Candies.) No. 20,023; Apr. 17; v. 237; p. 916.
- Felix Girard Company, The, Minneapolis, Minn. "Don't Forget Gopherget For Gophers." (For Poison for Gophers, Squirrels, Moles, and other Pest Animals.) No. 20,055; May 1; v. 238; p. 309.
- Fenn Manufacturing Co., The, Charlotte, Mich. "Gold Value Auger." (For Augers.) No. 20,200; July 10; v. 240; p. 639.
- Foose Chemical Company, The, Dayton, Ohio. "Zonite The World-War Antiseptic Stabilized." (For an Antiseptic, Germicide, and Deodorant.) No. 20,400; Dec. 18; v. 245; p. 843.
- Foster & Hays Co. Inc., The, Milwaukee, Wis. "Foster." (For Cigars.) No. 20,201; July 10; v. 240; p. 639.
- Foulds-Briggs Co., The, Cincinnati, Ohio. "Little Cook On Every Box." (For Macaroni.) No. 20,024; Apr. 17; v. 237; p. 916.
- Fox, Milton G., Berkeley, Cal. "C. C. C." (For Carbonated Pure Apple Cider.) No. 20,401; Dec. 18; v. 245; p. 843.

- Frank G. Fawkes & Co., Chicago, Ill. "Magic Whistle." (For Cartons Containing Whistles.) No. 20,054; May 1; v. 238; p. 309.
- Franklin Mfg. Co., Baltimore, Md. "Ironclad Khaki Twills." (For Woven Fabric Piece Goods.) No. 20,123; May 29; v. 238; p. 1638.
- Fredonia Salsina Canning Co., Fredonia, N. Y. "Sky Lark Brand." (For Salsina.) No. 20,358; Nov. 6; v. 244; p. 288.
- Fruited Cereal Company, The, Dover, Del., and Quincy, Ill. "Fruited Wheat." (For Food Products Comprising a Combination of Whole Wheat and Fruits.) No. 20,402; Dec. 18; v. 245; p. 843.
- Fruited Cereal Company, The, Dover, Del., and Quincy, Ill. "Fruited Oats." (For Food Products Comprising a Combination of Oats and Fruits.) No. 20,403; Dec. 18; v. 245; p. 843.
- G. Mennen Chemical Co., Newark, N. J. "Mennen's Shaving Cream." (For Mennen's Shaving-Cream.) No. 19,851; Jan. 30; v. 234; p. 1582.
- G. Mennen Chemical Co., Newark, N. J. "Mennen's Tar Shampooing Cream." (For Mennen's Tar Shampooing-Cream.) No. 19,852; Jan. 30; v. 234; p. 1582.
- G. E. Pagani Importing Co., Inc., New York, N. Y. "Rubino Vino Puro Da Pasto." (For Wine.) No. 19,854; Jan. 30; v. 234; p. 1582.
- Galanopoulos, Constantine S., New York, N. Y. "O-K." (For Olive-Oil.) No. 20,234; Aug. 14; v. 241; p. 621.
- Garnier, Charles, Livingston, Mont. "Montana Sport." (For Cigars.) No. 19,906; Feb. 20; v. 235; p. 1053.
- Gem Fountain Pen Corporation, New York, N. Y. "Ford." (For Fountain-Pens.) No. 20,184; June 19; v. 239; p. 938.
- Geo. Haas & Sons, San Francisco, Cal. "Diplomacy Chocolates." (For Chocolate Candy.) No. 20,143; June 5; v. 239; p. 318.
- Geo. Wiedemann Brewing Company, The, Newport, Ky. "Quizz." (For a Non-Intoxicating Non-Malt Beverage.) No. 19,976; Mar. 20; v. 236; p. 887.
- George Frost Company, Boston, Mass. "Baby Midget Hose Supporter." (For Hose-Supporters.) No. 19,883; Feb. 13; v. 235; p. 693.
- George H. Fritz & Sons, Newark, N. J. "Wild Cherry Drops." (For Wild-Cherry Drops.) No. 20,399; Dec. 18; v. 245; p. 843.
- George J. Richardson, Springfield, Mass. "Richardson's Cubanola Automobile Polish." (For Automobile-Polish.) No. 20,363; Nov. 6; v. 244; p. 288.
- Gerstman, Louis, Buffalo, N. Y. "Buffalo Special." (For Overalls.) No. 20,203; July 10; v. 240; p. 639.
- Getz Bros. & Co., San Francisco, Ill. "Getzbest." (For Canned Peaches.) No. 20,359; Nov. 6; v. 244; p. 288.
- Gleason, John H., New York, N. Y. "Creme de Mon Reve." (For a Cream for Purifying the Skin.) No. 20,001; Apr. 10; v. 237; p. 620.
- Gleason, John H., New York, N. Y. "Creme La Reine." (For a Cream for Softening and Whitening the Skin.) No. 20,002; Apr. 10; v. 237; p. 620.
- Gleason, John H., New York, N. Y. "Creme Mauveine." (For Cold-Cream.) No. 20,003; Apr. 10; v. 237; p. 620.
- Gleason, John H., New York, N. Y. "Creme Fleur de Neiges." (For a Cream for Purifying the Skin.) No. 20,004; Apr. 10; v. 237; p. 620.
- Gleason, John H., New York, N. Y. "Mauveine Gleason." (For a Tonic for the Skin.) No. 20,005; Apr. 10; v. 237; p. 620.
- Glenn, W. B., New York, N. Y. "A 100% Cigar Par A 100% Cigar." (For Cigars.) No. 20,025; Apr. 17; v. 237; p. 916.
- Glover, Irwin N., Bailey, N. C. "Glover's Medicated Salt Cake." (For a Medicated Salt Cake for Stock.) No. 20,026; Apr. 17; v. 237; p. 916.
- Goedecke Specialty Manufacturing Company, The, Cleveland, Ohio. "Snapfast." (For Garment-Fasteners.) No. 19,971; Mar. 20; v. 236; p. 887.
- Golden, David, Chicago, Ill. "Combination Stogies." (For Stogies.) No. 20,006; Apr. 10; v. 237; p. 620.
- Goodrich Drug Co., Anoka, Minn. "Hoff's." (For a Liniment.) No. 20,405; Dec. 18; v. 245; p. 843.
- Gordon-Thorne Company, Utica, N. Y. "Baby Bunting Powder." (For Toilet Powder.) No. 20,301; Oct. 2; v. 243; p. 239.
- Gosman Ginger Ale Company, The, Baltimore, Md. "Gosman's Ginger Ale." (For Ginger-Ale.) No. 20,211; July 24; v. 240; p. 1165.
- Gouled Embroidery Works, Union Hill, N. J. "Gouled Embroidered Initials." (For Embroidered Initials.) No. 20,105; May 22; v. 238; p. 1328.
- Graham Brothers & Company, Chicago, Ill. "Orcine." (For a Shampoo.) No. 20,223; Aug. 7; v. 241; p. 299.
- Grain Juice Co., Ltd., Chicago, Ill. "Graino." (For a Soft Drink.) No. 20,404; Dec. 18; v. 245; p. 843.
- Gray, Emily G., Philadelphia, Pa. "Wyte All." (For Shoe-Polish.) No. 20,183; June 19; v. 239; p. 938.
- Gray, L. S., Fort Worth, Tex. "Bald-E-No." (For a Hair-Restorative.) No. 20,042; Apr. 24; v. 237; p. 1217.
- Gray, L. S., Fort Worth, Tex. "Yargodine." (For a Dandruff Cure.) No. 20,043; Apr. 24; v. 237; p. 1217.
- Great Radium Spring Water Company, Inc., Brooklyn, N. Y. "Mayflower." (For Ginger-Ale.) No. 20,336; Oct. 23; v. 243; p. 1064.
- Gund, George, Cleveland, Ohio. "Pep." (For Smoking-Tobacco.) No. 19,884; Feb. 13; v. 235; p. 693.
- Guth Chocolate Company, Baltimore, Md. "Guth Chocolate Fruit & Nut Easter Egg." (For Candy.) No. 20,094; May 15; v. 238; p. 981.
- H. Jevne Co., Los Angeles, Cal. "Kofetaf." (For a Coffee-Flavored Taffy.) No. 20,409; Dec. 18; v. 245; p. 843.
- H. W. Johns-Manville Company, New York, N. Y. "J-M Flexstone Asbestos Roofing." (For Asbestos Roofing.) No. 20,167; June 19; v. 239; p. 938.
- Haak & Company, H. C., Scranton, Pa. "Dr. King's Health Pills." (For a Health-Restorative Pill.) No. 20,284; Sept. 18; v. 242; p. 748.
- Haak & Company, H. C., Scranton, Pa. "Dr. King's Headache Powders." (For a Headache-Powder.) No. 20,285; Sept. 18; v. 242; p. 748.
- Hagler, Isidor, Denver, Colo. "The Ranger." (For Cigars.) No. 20,027; Apr. 17; v. 237; p. 916.
- Hamilton, John W., Hutchinson, Kans. "Health Food." (For Bread.) No. 20,071; May 8; v. 238; p. 648.
- Hamilton, John W., Hutchinson, Kans. "Health Food." (For Candy.) No. 20,072; May 8; v. 238; p. 648.
- Hance, Anthony M., Philadelphia, Pa. "At the Sign of Potassaphen 'First Aid.'" (For Antiseptic Compounds.) No. 20,212; July 24; v. 240; p. 1165.
- Harris, James, New York, N. Y. "Dolly Varden Whiskey." (For Bottles of Whisky.) No. 20,297; Sept. 25; v. 242; p. 991.
- Harrison, Harry S., Baltimore, Md. "Easy Feet Foot Powder." (For Foot-Powder.) No. 20,161; June 19; v. 239; p. 938.
- Hauck, Cornelius J., Cincinnati, Ohio. "Hauck Green Label Beverages." (For Non-Intoxicating Beverages.) No. 20,406; Dec. 18; v. 245; p. 843.
- Hazell, Emma, Philadelphia, Pa. "French Rheumatism Cure." (For a Cure for Rheumatism.) No. 20,115; May 22; v. 238; p. 1328.
- Hazeloch Medicine Company, Providence, R. I. "Hazeloch." (For Liquid Herb Remedy.) No. 19,907; Feb. 20; v. 235; p. 1053.
- Helmet Company, The, Cincinnati, Ohio. "Sweet Spearmint." (For Chewing-Gum.) No. 19,908; Feb. 20; v. 235; p. 1053.
- Henry Bonn Co., Milwaukee, Wis. "Rex Floor Varnish." (For Floor-Varnish.) No. 20,037; Apr. 24; v. 237; p. 1217.
- Henry Sonneborn & Co. Inc., Baltimore, Md. "Styleplus Clothes \$17 and \$21." (For Clothing of Men and Boys.) No. 20,327; Oct. 16; v. 243; p. 792.
- Henry Sonneborn & Co. Inc., Baltimore, Md. "Styleplus Clothes \$21." (For Clothing for Men and Boys.) No. 20,328; Oct. 16; v. 243; p. 792.
- Henry Sonneborn & Co. Inc., Baltimore, Md. "Styleplus Clothes \$17 and \$21." (For Clothing of Men and Boys.) No. 20,329; Oct. 16; v. 243; p. 792.
- Henry Sonneborn & Co. Inc., Baltimore, Md. "Styleplus Clothes \$21 and \$25." (For Clothing of Men and Boys.) No. 20,330; Oct. 16; v. 243; p. 792.
- Henry Sonneborn & Co. Inc., Baltimore, Md. "Styleplus Clothes \$25." (For Clothing of Men and Boys.) No. 20,331; Oct. 16; v. 243; p. 792.
- Henschel & Co., A. C., Chicago, Ill. "Margona." (For Cigars.) No. 20,162; June 19; v. 239; p. 938.
- Henschel & Co., A. C., Chicago, Ill. "Francita." (For Cigars.) No. 20,163; June 19; v. 239; p. 938.
- Henschel & Co., A. C., Chicago, Ill. "San Julia." (For Cigars.) No. 20,164; June 19; v. 239; p. 938.
- Herpicide Company, The, Detroit, Mich. "Newbro's Herpicide." (For Hair-Dressing.) No. 20,371; Nov. 20; v. 244; p. 816.
- Herrero Bros., San Francisco, Cal. "La Bella Carmen." (For Tobacco-Packages.) No. 20,068; May 1; v. 238; p. 309.
- Hess, George, Chicago, Ill. "Directions." (For E-Z Marvel Cleaner.) No. 20,091; May 8; v. 238; p. 648.
- Hess, George, Chicago, Ill. "E-Z Marvel Cleaner." (For a Cleaner.) No. 20,092; May 8; v. 238; p. 648.
- Hillberg, Charles R., Campello, Mass. "For Balm Emulsion." (For a Remedy for the Treatment of Coughs, Colds, Hoarseness, and all Affections of the Throat and Lungs.) No. 19,972; Mar. 20; v. 236; p. 887.
- Hitt, Thomas G., Seattle, Wash. "Hitt's 'Flashcracka.'" (For Fire-Crackers.) No. 20,372; Nov. 20; v. 244; p. 816.
- Hollander, Joseph M., Braddock, Pa. "St. Joseph's." (For Tea.) No. 20,338; Oct. 23; v. 243; p. 1064.
- Holt, Charles S., Lynn, Mass. "Sel-Wyn Process Welt." (For Welts.) No. 20,373; Nov. 20; v. 244; p. 816.
- Honytone Manufacturing Co., Boston, Mass. "Wino Maryanskie." (For Bitter Tonic.) No. 20,150; June 5; v. 239; p. 318.
- Honytone Manufacturing Company, Somerville, Mass. "Honytone." (For a Medicinal Preparation.) No. 20,302; Oct. 2; v. 243; p. 239.
- Hood Rubber Co., Watertown, Mass. "Hiker." (For Canvas Rubber-Sole Shoes.) No. 19,909; Feb. 20; v. 235; p. 1053.
- Houle & Sons, Amedee, Springfield, Mass. "Foxy Grandpa Washing Liquid." (For a Liquid Cleansing Preparation.) No. 20,392; Dec. 18; v. 245; p. 843.
- Howard-Vaughan Co., The, Niagara Falls, N. Y. "Garage Vitagas." (For a Chemical Compound for Use in Gasoline.) No. 19,885; Feb. 13; v. 235; p. 693.

Alphabetical list of registrants of labels—Continued.

- Huffman & Van Camp, Westville, Ill. "Huffman & Van Camp Asthma Remedy." (For a Medicinal Preparation.) No. 20,346; Oct. 30; v. 243; p. 1308.
- Hunt, Hatch & Company, Oakland, Cal. "Above All." (For Oranges.) No. 20,386; Nov. 27; v. 244; p. 1085.
- Hunyadi Split Corporation, Wilmington, Del., and New York, N. Y. "American Hunyadi Split." (For a Cathartic Water.) No. 19,886; Feb. 13; v. 235; p. 693.
- Hutchins, Lucinda C., Philadelphia, Pa. "Lady Lu's Laxative." (For Cough-Syrup.) No. 20,145; June 5; v. 239; p. 318.
- Hydro Pure Company, Dallas, Tex. "Tulip Brand." (For Cream Tulip.) No. 20,407; Dec. 18; v. 245; p. 843.
- I. Michelson & Brothers, Cincinnati, Ohio. "Old Curtis Whiskey." (For Whisky.) No. 19,913; Feb. 20; v. 235; p. 1053.
- Independent Button & Machine Company, Chicago, Ill. "Men's Suit Buttons." (For Buttons.) No. 20,075; May 8; v. 238; p. 648.
- Independent Gum Co., Kansas City, Mo. "Morton's." (For Chewing-Gum.) Nos. 20,073-4; May 8; v. 238; p. 648.
- Independent Gum Co., Kansas City, Mo. "Morton's." (For Chewing-Gum.) No. 20,360; Nov. 6; v. 244; p. 288.
- Independent Starch Company, Inc., New York, N. Y. "Fluffy Ruffles Starch." (For Laundry Starch.) No. 19,835; Jan. 16; v. 234; p. 1044.
- Inter-State Product Co., Baltimore, Md. "Bra-So." (For a Soft Drink.) No. 20,165; June 19; v. 239; p. 938.
- Interstate Cotton Oil Refining Co., Sherman, Tex. "Grayson." (For Soap.) No. 20,166; June 19; v. 239; p. 938.
- Interwoven Stocking Company, New Brunswick, N. J. "Interwoven Socks." (For Socks.) No. 20,185; June 19; v. 239; p. 938.
- Iowa Pearl Button Company, Muscatine, Iowa. "Blue Bird Pearl Button." (For Pearl-Button-Display Sales-Boxes.) No. 20,303; Oct. 2; v. 243; p. 239.
- Iowa Pearl Button Company, Muscatine, Iowa. "Pearl Buttons of Distinction." (For Pearl-Button-Display Sales-Boxes.) No. 20,304; Oct. 2; v. 243; p. 239.
- Italo American Distilling Co. Inc., Chicago, Ill. "Metora Liquor Special." (For Brandy.) No. 20,374; Nov. 20; v. 244; p. 816.
- Iten Biscuit Co., Clinton, Iowa, and Omaha, Nebr. "Iten's Korn Crackers." (For Crackers.) No. 20,290; Sept. 25; v. 242; p. 991.
- J. A. Bokel Company, Baltimore, Md. "Old String Whiskey." (For Whisky.) No. 19,874; Feb. 13; v. 235; p. 693.
- J. L. Stifel & Sons, Wheeling, W. Va. "Miss Stifel Indigo." (For Woven Fabric Cloth.) No. 20,246; Aug. 21; v. 241; p. 910.
- Jackson, Eugene, Thonotosassa, Fla. "Zephyr Powder Blower." (For Powder-Blower.) No. 20,387; Nov. 27; v. 244; p. 1085.
- Jidas, Bros., & Co., J. D., Chicago, Ill. "Try Me." (For a Cleaner for Silver, Glassware, and Polished Metals.) No. 20,305; Oct. 2; v. 234; p. 239.
- John F. Oertel Co., Louisville, Ky. "Cereella." (For a Non-Intoxicating Beverage.) No. 20,217; July 24; v. 240; p. 1165.
- John F. Oertel Co., Louisville, Ky. "Beerella." (For a Non-Intoxicating Beverage.) No. 20,218; July 24; v. 240; p. 1165.
- John G. Neumeister Co., Chicago, Ill. "Altman's Blue Ribbon." (For Brick-Cheese.) No. 20,414; Dec. 18; v. 245; p. 843.
- John Royle & Sons, Paterson, N. J. "White Label 'Cutters That Cut.'" (For Cutters.) No. 19,986; Mar. 20; v. 236; p. 887.
- John Royle & Sons, Paterson, N. J. "Red Label 'Cutters That Cut.'" (For Cutters.) No. 19,987; Mar. 20; v. 236; p. 887.
- John Royle & Sons, Paterson, N. J. "Blue Label 'Cutters That Cut.'" (For Cutters.) No. 19,988; Mar. 20; v. 236; p. 887.
- Jos. Schlitz Brewing Co., Milwaukee, Wis. "Famo." (For Non-Intoxicating Beverage.) No. 19,989; Mar. 20; v. 236; p. 887.
- Jung Brewing Company, Milwaukee, Wis. "Servo." (For a Non-Intoxicating Beverage.) No. 20,408; Dec. 18; v. 245; p. 843.
- K & B Co., Philadelphia, Pa. "(Fill Easy) Bin Baler." (For Balers.) No. 20,028; Apr. 17; v. 237; p. 916.
- Kalamazoo Stationery Co., Kalamazoo, Mich. "Postage Saver." (For Writing-Paper and Envelops.) No. 20,388; Nov. 27; v. 244; p. 1085.
- Kalamazoo Stationery Co., Kalamazoo, Mich. "Straight Line." (For Writing-Tablets.) No. 20,410; Dec. 18; v. 245; p. 843.
- Keil, Julius M., Western Springs, Ill. "Keil's Deep Well Sparkling Ginger Ale." (For Ginger-Ale.) No. 19,836; Jan. 16; v. 234; p. 1044.
- Kentucky Tobacco Product Company, The, Louisville, Ky. "Black Leaf 40." (For Nicotin Solutions for Insecticides.) No. 20,213; July 24; v. 240; p. 1165.
- Knight Packing Company, Portland, Oreg. "Knights." (For Dill Pickles.) No. 20,411; Dec. 18; v. 245; p. 843.
- Knudsen's Laboratory, Los Angeles, Cal. "Yoghurt Bulgarian Ferment." (For Bottled Fermented Milk.) No. 20,144; June 5; v. 239; p. 318.
- Korn Baking Co., The H., Davenport and Clinton, Iowa. "Betsy Ross." (For Bread.) No. 19,973; Mar. 20; v. 236; p. 887.
- Krahn, Henry, Elmhurst, N. Y. "Orchard Blossom." (For a Disinfectant and Deodorizer.) No. 20,124; May 29; v. 238; p. 1638.
- Kramer & Sauber, Baltimore, Md. "Ladylike waists." (For Ladies' Shirt-Waists.) No. 20,241; Aug. 21; v. 241; p. 910.
- Kroeze, Nicholas V., Paterson, N. J. "Kindermeel." (For Baby Food.) No. 20,281; Sept. 11; v. 242; p. 514.
- Ku-Kall Medicine Co., The, Nashville, Tenn. "Ka-Dene." (For Ointment.) No. 20,106; May 22; v. 238; p. 1328.
- L. Vitelli & Son, Inc., New York, N. Y. "Aquila Brand." (For Tomatoes.) No. 20,391; Nov. 27; v. 244; p. 1085.
- L. B. Allen Co., Inc., Chicago, Ill. "Allen Soldering Stick." (For Soldering-Flux, Solid Form.) No. 20,367; Nov. 20; v. 244; p. 816.
- L. D. Caulk Company, The, Milford, Del. "A Weather Proof Cement Vermont White Cement." (For a Cement for Setting and Repairing Monuments and the Like.) No. 19,923; Feb. 27; v. 235; p. 1354.
- L. D. Caulk Company, The, Milford, Del. "Permanent Pigment For Coloring Vermont White Cement." (For a Pigment for Coloring Cement.) No. 19,924; Feb. 27; v. 235; p. 1354.
- L. E. Waterman Company, New York, N. Y. "Waterman's Ideal Ink." (For Ink.) No. 20,050; Apr. 24; v. 237; p. 1217.
- L. E. Waterman Company, New York, N. Y. "Waterman's Ideal Ink." (For Ink.) No. 20,069; May 1; v. 238; p. 309.
- La Kurba Cigar Company, Chicago, Ill. "Big Six." (For Cigars.) No. 20,029; Apr. 17; v. 237; p. 916.
- Landenberger, J. William. (See Connet, Hugh I., assignor.)
- Lape, George H., Adrian, Mich. "Save-the-Cow." (For Medicine for Cows.) No. 20,076; May 8; v. 238; p. 648.
- Lawrence & Harrison Co., Baltimore, Md. "Golden Glow Orange Marmalade." (For Marmalade.) No. 19,910; Feb. 20; v. 235; p. 1053.
- Le Roy, Harry, Los Angeles, Cal. "The Garden of Allah Oriental Incense." (For Incense.) No. 20,323; Oct. 16; v. 243; p. 792.
- Leibsigler, Szaia, Brooklyn, N. Y. "Hebrew words reading: 'Tuv (good) venoom (sweet) Kosher (Kosher) chamen (oil)'" (For Cotton-Seed Oil.) No. 19,974; Mar. 20; v. 236; p. 887.
- Leshin, S., Milwaukee, Wis. "White Lily Brand Butter." (For Butter.) No. 20,077; May 8; v. 238; p. 648.
- Lieb, Sarah H., New York, N. Y. "Lily Mayonnaise." (For Mayonnaise Dressing.) No. 20,030; Apr. 17; v. 237; p. 916.
- Lipton, Thos. J., New York, N. Y., and Chicago, Ill. "Lipton's Tea." (For Tea.) No. 20,011; Apr. 10; v. 237; p. 620.
- Lortie, Chesser, Brooklyn, N. Y. "Phonograph Stove Polish, It Talks For Itself." (For a Powder Stove-Polish.) No. 19,887; Feb. 13; v. 235; p. 693.
- Louis Hilfer Company, The, Chicago, Ill. "Security." (For Matches.) No. 19,849; Jan. 30; v. 234; p. 1582.
- Lower California Fisheries Co., San Diego, Cal. "Quality." (For Canned Tuna Fish.) No. 19,929; Feb. 27; v. 235; p. 1354.
- Lynn Rubber Manufacturing Company, Lynn, Mass. "Sans O Dor." (For Foot-Powders.) No. 20,095; May 15; v. 238; p. 981.
- M. Feigel & Bro. Inc., New York, N. Y. "Dependon." (For Clear Gloss Varnish.) No. 20,385; Nov. 27; v. 244; p. 1085.
- MacDonell-Chow Corp., New York, N. Y. "Take A Nip Of Nippo." (For Mineral Water.) No. 20,007; Apr. 10; v. 237; p. 620.
- Mack, A. D., San Diego, Cal. "Royal Windsor Table Sauce." (For Table Sauce.) No. 19,930; Feb. 27; v. 235; p. 1354.
- Maier & Co., R. E., Chicago, Ill. "R. E. Maier's Veribest." (For a Polishing and Cleaning Compound.) No. 20,107; May 22; v. 238; p. 1328.
- Manacea Water Company, New York, N. Y. "Man-A-Cea." (For a Natural Mineral Water.) No. 19,850; Jan. 30; v. 234; p. 1582.
- Manila Commercial Company, Manila, Philippine Islands, and New York, N. Y. "Aguinaldo." (For Cigars.) No. 19,911; Feb. 20; v. 235; p. 1053.
- Mankertz, Gus, Portland, Oreg. "Mankertz Malted Milk Bread." (For Bread.) No. 20,168; June 19; v. 239; p. 938.
- Marion Dress Co., New York, N. Y. "Maid Marion Dresses." (For Ladies' Dresses.) No. 19,975; Mar. 20; v. 236; p. 887.
- Maspero, C., New York, N. Y. "Avanti." (For Cans of Pure Olive-Oil.) No. 20,389; Nov. 27; v. 244; p. 1085.
- McCawley & Co. Inc., Baltimore, Md. "The 20th Century Shirt." (For Men's Work-Shirts.) No. 20,058; May 1; v. 238; p. 309.
- McCawley & Co., Inc., Baltimore, Md. "For Playtime And All Times." (For Boys' and Girls' Outer Garments.) No. 20,079; May 8; v. 238; p. 648.
- McQuay-Norris Mfg. Co., St. Louis, Mo. "Leak-Proof Piston Ring." (For Piston-Rings.) No. 19,912; Feb. 20; v. 235; p. 1053.

- McQuay-Norris Mfg. Co., St. Louis, Mo. "Superoyl." (For Rings.) No. 20,306; Oct. 2; v. 243; p. 239.
- McQuay-Norris Mfg. Co., St. Louis, Mo. "Potlicker." (For Rings.) No. 20,307; Oct. 2; v. 243; p. 239.
- Mead Pulp and Paper Company, The, Dayton, Ohio. "Chamois." (For Book-Paper.) No. 20,057; May 1; v. 238; p. 309.
- Mead Pulp and Paper Company, The, Dayton, Ohio. "Mepacote." (For Book-Paper.) No. 20,125; May 29; v. 238; p. 1638.
- Mead Pulp & Paper Company, The, Dayton, Ohio. "Mecopa." (For Bond-Paper.) No. 20,126; May 29; v. 238; p. 1638.
- Meade, E. B., Philadelphia, Pa. "Meade's Corn & Bunion Cure." (For a Medicinal Preparation.) No. 20,224; Aug. 7; v. 241; p. 299.
- Melches, George, Chicago, Ill. "Stop." (For Hair-Tonic.) No. 20,108; May 22; v. 238; p. 1328.
- Mendleson's Sons, A., Albany and New York, N. Y. "Chlorinated Lime." (For Chlorinated Lime.) No. 20,361; Nov. 6; v. 244; p. 288.
- Micajah & Co., Warren, Pa. "Micajah's Medicated Wafers." (For a Proprietary Medicine.) No. 20,235; Aug. 14; v. 241; p. 621.
- Michelson & Brothers, I., Cincinnati, Ohio. "Old Morris 1878 Brand." (For Whisky.) No. 20,078; May 8; v. 238; p. 648.
- Migliaccio, Firm of G., New York, N. Y. "Bella Farm Brand." (For Tomato Sauce.) No. 20,214; July 24; v. 240; p. 1165.
- Miller, Morris, Chicago, Ill. "Morris Miller's Original Liniment." (For Morris Miller's Original Liniment.) No. 19,977; Mar. 20; v. 236; p. 887.
- Milwaukee Paper Box Co., Milwaukee, Wis. "Redel's Whole Cherries Chocolate Coated." (For Candy-Boxes.) No. 20,215; July 24; v. 240; p. 1165.
- Milwaukee Paper Box Co., Milwaukee, Wis. "Fruity Bar." (For Candy-Boxes.) No. 20,390; Nov. 27; v. 244; p. 1085.
- Minnick, Howard B., Louisville, Ky. "Dan-D." (For a Beverage.) No. 20,096; May 15; v. 238; p. 931.
- Mir-A-Co Company, The, Houston, Tex. "Mir-A-Co Nature's Gift." (For Artificial Mineral Water.) No. 20,008; Apr. 10; v. 237; p. 620.
- Modern Drug & Commercial Co. Inc., New York, N. Y. "Apollo Water." (For Artificially-Prepared Medicinal Water.) No. 20,324; Oct. 16; v. 243; p. 792.
- Moehle Lithographic Company, The, Brooklyn, N. Y. "Amor y Arte." (For Cigars.) No. 19,931; Feb. 27; v. 235; p. 1354.
- Moehle Lithographic Company, The, Brooklyn, N. Y. "Beauties." (For Cigars.) No. 19,932; Feb. 27; v. 235; p. 1354.
- Moehle Lithographic Company, The, Brooklyn, N. Y. "Queen's Taste." (For Cigars.) No. 19,933; Feb. 27; v. 235; p. 1354.
- Moehle Lithographic Company, The, Brooklyn, N. Y. "La Culta." (For Cigars.) No. 19,934; Feb. 27; v. 235; p. 1354.
- Moeller & Zapp, Winona, Minn. "San Delco." (For Cigar-Boxes.) No. 19,978; Mar. 20; v. 236; p. 887.
- Montgomery, Mary E., Denver, Colo. "Revivient Liquid Massage and Bleach." (For Toilet Preparations.) No. 20,047; Apr. 24; v. 237; p. 1217.
- Moore, David, Cleveland, Ohio. "Colonial Furniture Polish." (For Furniture-Polish.) No. 20,325; Oct. 16; v. 243; p. 792.
- Moore-Shenker Grocer Co., Sioux City, Iowa. "Quick Suds." (For Borax Soap Powder.) No. 20,326; Oct. 16; v. 243; p. 792.
- Mosson, R. P., El Paso, Tex. "Mother Goose." (For Cane and Maple Syrup.) No. 20,251; Aug. 28; v. 241; p. 1155.
- Mother's Macaroni Company, Minneapolis, Minn. "Creamettes." (For Macaroni and other Paste Products.) No. 19,837; Jan. 16; v. 234; p. 1044.
- Mother's Macaroni Company, Minneapolis, Minn. "Creamettes." (For Macaroni.) No. 20,097; May 15; v. 238; p. 981.
- Mueller, Gustave A., Chicago, Ill. "Hamlet y Ofelia." (For Cigars.) No. 19,838; Jan. 16; v. 234; p. 1044.
- Murphy, J. M., New York, N. Y. "Columbia Corn Distillers Grains." (For Dried Distillers' Grains Made from Corn and Malt.) No. 20,295; Sept. 25; v. 242; p. 991.
- Murphy Oil Company, Whittier, Cal. "Murphy Ranch One Star." (For Lemons.) No. 19,888; Feb. 13; v. 235; p. 693.
- Murphy Oil Company, East Whittier, Cal. "Murphy Ranch Two Crown." (For Oranges.) No. 20,242; Aug. 21; v. 241; p. 910.
- Murphy Oil Company, East Whittier, Cal. "Murphy Ranch Three Star." (For Oranges.) No. 20,243; Aug. 21; v. 241; p. 910.
- Murphy Oil Company, East Whittier, Cal. "Murphy Ranch One Star." (For Oranges.) No. 20,244; Aug. 21; v. 241; p. 910.
- Musher & Co., Baltimore, Md. "The Tea the Russians Drink." (For Tea.) No. 19,979; Mar. 20; v. 236; p. 887.
- Nafizgan, Ralph L., Kansas City, Mo. "Wel-Bak't Golden Crust Butter-Cream Bread." (For Bread.) No. 20,172; June 19; v. 239; p. 938.
- National Clock and Manufacturing Company, The, Chicago, Ill. "Wash-White." (For Clothes-Washing Compound.) No. 19,980; Mar. 20; v. 236; p. 887.
- National Drug & Mfg. Co., Clinton, Ky. "I Am Old Doc Carbo-Sal." (For a Medicine for Hog-Cholera.) No. 20,169; June 19; v. 239; p. 938.
- National Fruit Juice Co., La Fayette, Ind. "Apella" Nature's Best Beverage." (For Non-Alcoholic Beverages.) No. 20,031; Apr. 17; v. 237; p. 916.
- National Pepsin Gum Company, The, San Francisco, Cal. "Honolulu Fruit Gum." (For Chewing-Gum.) No. 20,133; May 29; v. 238; p. 1638.
- National Peroxide Company, Brooklyn, N. Y. "Medicinal." (For Peroxid.) No. 20,032; Apr. 17; v. 237; p. 916.
- National Peroxide Company, Brooklyn, N. Y. "National." (For Peroxid.) No. 20,033; Apr. 17; v. 237; p. 916.
- Needleman, A. & S., Philadelphia, Pa. "The Vogue Waist." (For Ladies' Waists.) No. 20,413; Dec. 18; v. 245; p. 843.
- Neo-Tono Medicine Company, Mayaguez, Porto Rico. "Neo-Tono." (For a Medicinal Tonic.) No. 20,146; June 5; v. 239; p. 318.
- Nesom, J. J., Los Angeles, Cal. "Pyorrhea Remedy." (For Preparation for the Treatment of Pyorrhea.) No. 20,009; Apr. 10; v. 237; p. 620.
- New England Oil, Paint & Varnish Co., Everett, Mass. "Bunker Hill Varnishes." (For Varnish.) No. 19,981; Mar. 20; v. 236; p. 887.
- New York Golden Star Bread Co. Inc., New York, N. Y. "Adel's Rye Bread." (For Bread.) No. 19,982; Mar. 20; v. 236; p. 887.
- New York Mills Corporation, New York Mills, N. Y. "Tub Corduroy." (For Corduroy.) No. 20,127; May 29; v. 238; p. 1638.
- Newark Paraffine & Parchment Paper Co., New York, N. Y. "Fairy Bread." (For Bread.) No. 20,362; Nov. 6; v. 244; p. 288.
- Newark Paraffine & Parchment Paper Co., Newark, N. J., and New York, N. Y. "Fairy Bread." (For Bread.) No. 20,375; Nov. 20; v. 244; p. 816.
- Newgass, Edward, New York, N. Y. "Tri-Way." (For Sport-Clothes.) No. 20,170; June 19; v. 239; p. 938.
- Newmark, Samuel M., Los Angeles, Cal. "Lark." (For Coffee.) No. 20,415; Dec. 18; v. 245; p. 843.
- Night-Glow Novelty Company, Rockville, Conn. "Auto Head Light Amplifier." (For Auto-Headlight Amplifier.) No. 20,010; Apr. 10; v. 237; p. 620.
- Nirdlinger, Bertha, Leavenworth, Kans. "B. N. Universal." (For a Polish.) No. 20,347; Oct. 30; v. 243; p. 1308.
- Nofsinger, Lewis E., Kansas City, Mo. "Bul-Zi Nut." (For Nuts for Holding Push-Buttons on Top of Automobile Steering-Posts.) No. 20,216; July 24; v. 240; p. 1165.
- North Atlantic Oyster Farms, Inc., Boston, Mass. "Seal-shipt Oysters." (For Oysters.) No. 19,935; Feb. 27; v. 235; p. 1354.
- Northern California Olive Corporation, Palmero, Cal. "Burt Bros." (For Canned California Olives.) No. 20,416; Dec. 18; v. 245; p. 843.
- Northfield Milk Products Co., Northfield, Minn. "Northfield." (For Canned Evaporated Milk.) No. 20,417; Dec. 18; v. 245; p. 843.
- Nowater Soap and Cleanser Co. of U. S. A., The, Warren, Pa. "Nowater Cleanser Made In U. S. A." (For Cleansers.) No. 20,080; May 8; v. 238; p. 648.
- Nu-Tone Company, Toledo, Ohio. "Nu-Tone." (For Preparation for Restoring Phonographic Records.) No. 20,418; Dec. 18; v. 245; p. 843.
- Ohio Chemical Company, Cincinnati, Ohio. "Triple A. A. Oil Metal Polish." (For Metal-Polish.) No. 20,245; Aug. 21; v. 241; p. 910.
- Okolene Co., Los Angeles, Cal. "Okolene." (For a Solution for Poison-Oak Infection.) No. 19,983; Mar. 20; v. 236; p. 887.
- Old Dominion Iron & Nail Works Co., Richmond, Va. "Electric Engine Steel." (For Steel.) No. 20,098; May 15; v. 238; p. 981.
- Olson Coffee Co., Omaha, Nebr. "Happy Hollow." (For Coffee.) No. 20,081; May 8; v. 238; p. 648.
- Omaha Beverage Company, Omaha, Nebr. "Oma." (For a Non-Alcoholic Beverage.) No. 20,348; Oct. 30; v. 243; p. 1308.
- Oriental Herb Importing Co., Chicago, Ill. "Appetito." (For a Medicinal Preparation.) No. 20,376; Nov. 20; v. 244; p. 816.
- Owl Drug Co., Davenport, Okla. "Germicide Ointment." (For an Ointment.) No. 20,147; June 5; v. 239; p. 318.
- P. W. Drackett & Sons Company, Cincinnati, Ohio. "Drackett's Chlorinated Lime." (For Chlorinated Lime.) No. 20,199; July 10; v. 240; p. 639.
- Pacific Cigar Box Co., Los Angeles, Cal. "Labor Temple." (For Cigars.) No. 20,128; May 29; v. 238; p. 1638.
- Pacific Fruit & Produce Co., North Yakima, Wash. "Pacific." (For Fresh Apples.) No. 20,419; Dec. 18; v. 245; p. 843.
- Packard Dressing Co., Stoughton, Mass. "Packard Klassy White." (For a Cleaner.) No. 20,225; Aug. 7; v. 241; p. 299.

Alphabetical list of registrants of labels—Continued.

- Palazzolo, Joseph, New York, N. Y. "French Eau De Quinine." (For Hair-Wash.) No. 20,173; June 19; v. 239; p. 938.
- Para Paint Co., The, St. Louis, Mo. "Para." (For Ready-Mixed Paints.) No. 20,204; July 10; v. 240; p. 639.
- Parodi Cigar Company, Inc., Jersey City, N. J. "Parodi." (For Cigars.) No. 19,839; Jan. 16; v. 234; p. 1044.
- Peat, C. W., Aberdeen, Wash., and Portland, Oreg. "Peat's Waterproof Leather Dressing." (For Leather-Dressing.) Nos. 20,129-30; May 29; v. 238; p. 1638.
- Pendergast, Daisy A., Minneapolis, Minn. "Pendergast Nutritious Bean Bread." (For Bread.) No. 20,182; June 19; v. 239; p. 938.
- Perkins, Albert E., Dallas, Tex. "Shur-Klean." (For White-Shoe Polish.) No. 20,226; Aug. 7; v. 241; p. 299.
- Person's Sons, C., Buffalo, N. Y. "Person's Pennsylvania Pure Rye Whiskey." (For Whisky.) No. 19,555; Jan. 30; v. 234; p. 1582.
- Person's Sons, C., Buffalo, N. Y. "Domino." (For Alcoholic Liquors.) No. 20,442; Dec. 25; v. 245; p. 1024.
- Philo Hay Specialties Co., Newark, N. J. "Hay's Eau De Quinine Tonic." (For a Hair-Tonic.) No. 19,914; Feb. 20; v. 235; p. 1053.
- Philo Hay Specialties Co., Newark, N. J. "Sulpho-Sage." (For a Compound for Coloring Gray and Faded Hair, to Assist in Removing Dandruff, as a Corrective of Itching Scalp, and as a Dressing for the Hair.) No. 19,915; Feb. 20; v. 235; p. 1053.
- Philo Hay Specialties Co., Newark, N. J. "Hay's Coconut Oil Shampoo." (For a Hair-Shampoo.) No. 19,916; Feb. 20; v. 235; p. 1053.
- Pilcher Manufacturing Company, J. V., Louisville, Ky. "Pilcher's Guaranteed Bachelor Buttons." (For Buttons.) No. 19,845; Jan. 23; v. 234; p. 1310.
- Pinneo, Roger D., Seattle, Wash. "American Milk." (For Evaporated Milk.) No. 20,308; Oct. 2; v. 243; p. 239.
- Pohland, Lydia, Milwaukee, Wis. "Nature's Blood and Cell-Food." (For a Medicinal Preparation.) No. 19,917; Feb. 20; v. 235; p. 1053.
- Pratt Olive Company, Los Angeles, Cal. "Dr. Chas. Pratt's Olive-Nectar." (For a Beverage.) No. 20,377; Nov. 20; v. 244; p. 816.
- Price, Sterling S., Fayette county, near Lexington, Ky. "Price's Pure Pork Sausage & Lard." (For Pork Sausage, and Lard.) No. 20,013; Apr. 10; v. 237; p. 620.
- Progressive Glue Co., New York, N. Y. "Liquid Fish Glue." (For Glue.) No. 20,174; June 19; v. 239; p. 938.
- Providence Specialty Company, Providence R. I. "Hydroproof-Racket-Lak." (For a Finishing Lacquer or Varnish.) No. 19,984; Mar. 20; v. 236; p. 887.
- Puritan Manufacturing Co., Portland, Oreg. "R-Porter." (For Beverages and Non-Alcoholic Drinks.) No. 20,339; Oct. 23; v. 243; p. 1064.
- Purity Cream Cheese Co., The, Cleveland, Ohio. "Edelweiss." (For Cream-Cheese.) No. 19,985; Mar. 20; v. 236; p. 887.
- Purity Oats Company, Keokuk and Davenport, Iowa. "Purity Fancy Patent Rolled Oats." (For Rolled Oats.) No. 20,252; Aug. 28; v. 241; p. 1155.
- Qualite Products Company, Inc., New York, N. Y. "Peppermint Pepsogum, Pure Rings of Pepsin Gum." (For Chewing-Gum.) No. 19,889; Feb. 13; v. 235; p. 693.
- Quencho Co., The, Baltimore, Md. "For That Thirst." (For Non-Alcoholic Beverage.) No. 20,082; May 8; v. 238; p. 648.
- Quencho Co., The, Baltimore, Md. "For Dry People." (For Non-Alcoholic Beverage.) No. 20,083; May 8; v. 238; p. 648.
- Quencho Co., The, Baltimore, Md. "For Goodness Sake." (For Non-Alcoholic Beverage.) No. 20,084; May 8; v. 238; p. 648.
- R. B. Biscuit Co., The, Cleveland, Ohio. "Kleanlof." (For Bread.) No. 20,253; Aug. 28; v. 241; p. 1155.
- R. P. Richardson, Jr. & Co., Inc., East Orange, N. J., and Reidsville, N. C. "Bo." (For Cigars.) No. 20,087; May 8; v. 238; p. 648.
- Radium Golf Ball Co. Ltd., New York, N. Y. "Radio." (For Golf-Balls.) No. 20,282; Sept. 11; v. 242; p. 514.
- Ralston Purina Company, St. Louis, Mo. "Ralston Wheat Food." (For Cereal Food.) No. 20,236; Aug. 14; v. 241; p. 621.
- Randolph Fruit Co., Los Angeles, Cal. "Randolph Special." (For Oranges.) No. 20,085; May 8; v. 238; p. 648.
- Reliance Manufacturing Company, Chicago, Ill. "Sun-apee." (For Fine Yarn Chambray.) No. 20,086; May 8; v. 238; p. 648.
- Ridgways Incorporated, New York, N. Y., and Chicago, Ill. "Ridgways Tea." (For Packages of Ridgways Tea.) Nos. 19,890-1; Feb. 13; v. 235; p. 693.
- Ritchie, Arch B., New Tazewell, Tenn. "Dixie Highway." (For Canned Tomatoes.) No. 19,944; Mar. 6; v. 236; p. 281.
- Ritchie Canning Co., New Tazewell, Tenn. "Boone's Trail." (For Canned Tomatoes.) No. 19,945; Mar. 6; v. 236; p. 281.
- Riverside Mfg. Co., Utica, N. Y. "America's Junior Reserve." (For Boys' Uniforms, Including Blouses, Trousers, Caps, and Puttees.) No. 20,420; Dec. 18; v. 245; p. 843.
- Robert Treat Mfg Co., Newark, N. J. "Zip." (For Snap-Fasteners.) No. 20,332; Oct. 16; v. 243; p. 792.
- Roche, John, Albany, N. Y. "Thermolene." (For an Antifreezing Solution.) No. 20,048; Apr. 24; v. 237; p. 1217.
- Rodriguez, Lisardo, Milwaukee, Wis. "Arbella." (For Cigars.) No. 20,268; Sept. 4; v. 242; p. 252.
- Rogers, Lunt & Bowler Co., Greenfield, Mass. "Little Men and Little Women Sterling Silver Tableware." (For Babies' and Children's Sterling Silver Tableware.) No. 19,936; Feb. 27; v. 235; p. 1354.
- Rowe Manufacturing Co., Galesburg, Ill. "Rowe's Medicated Oil." (For Medicated Oil.) No. 20,171; June 19; v. 239; p. 938.
- Ruy Suarez & Co., New York, N. Y. "Apropo." (For Cigars.) No. 19,952; Mar. 6; v. 236; p. 281.
- S. Glemby, Inc., New York, N. Y. "LockTite." (For Hair-Nets.) No. 19,844; Jan. 16; v. 234; p. 1044.
- S. Schmidt & Co., New York, N. Y. "Smoked Salmon Paste." (For Canned Salmon Paste.) No. 20,015; Apr. 10; v. 237; p. 620.
- S. Schmidt & Co., New York, N. Y. "De Luxe." (For Canned Caviar.) No. 20,016; Apr. 10; v. 237; p. 620.
- S. S. White Dental Mfg. Co., Philadelphia, Pa. "S. S. White Tooth Paste." (For Tooth-Paste.) No. 19,856; Jan. 30; v. 234; p. 1582.
- S. S. White Dental Mfg. Co., The, Philadelphia, Pa. "Zinc Cement." (For S. S. White Oxophosphate-Zinc Cement.) No. 19,857; Jan. 30; v. 234; p. 1582.
- S. S. White Dental Mfg. Co., The, Philadelphia, Pa. "S. S. White Tooth Brush." (For a Tooth-Brush.) No. 19,858; Jan. 30; v. 234; p. 1582.
- S. S. White Dental Mfg. Co., The, Philadelphia, Pa. "S. S. White Mouth Wash." (For a Mouth-Wash.) No. 19,859; Jan. 30; v. 234; p. 1582.
- S. S. White Dental Mfg. Co., The, Philadelphia, Pa. "Zinc Cement." (For S. S. White Oxophosphate Zinc.) No. 19,860; Jan. 30; v. 234; p. 1582.
- S. S. White Dental Mfg. Co., The, Philadelphia, Pa. "Zinc Cement." (For S. S. White Oxophosphate-Zinc Cement.) No. 19,861; Jan. 30; v. 234; p. 1582.
- S. S. White Dental Mfg. Co., The, Philadelphia, Pa. "S. S. White Tooth Powder." (For Tooth-Powder.) No. 19,862; Jan. 30; v. 234; p. 1582.
- S. S. White Dental Mfg. Co., Philadelphia, Pa. "S. S. White Mouth Wash." (For a Mouth-Wash.) No. 19,863; Jan. 30; v. 234; p. 1582.
- S. S. White Dental Mfg. Co., Philadelphia, Pa. "S. S. White Tooth Powder." (For Tooth-Powder.) No. 19,864; Jan. 30; v. 234; p. 1582.
- Safe-Cabinet Company, The, Marietta, Ohio. "The World's Safest Safe." (For Safes.) No. 20,186; June 19; v. 239; p. 938.
- Sani-Dust Chemical Co., Chicago, Ill. "Sani-Dust." (For a Disinfectant and Odor-Killer.) No. 20,219; July 24; v. 240; p. 1165.
- Sanitol Manufacturing Company, The, Denver, Colo. "Sanitol, Death To Germs." (For a Germicide.) No. 19,937; Feb. 27; v. 235; p. 1354.
- Saniwax Paper Co., Kalamazoo, Mich. "Justrite." (For Bread.) No. 19,946; Mar. 6; v. 236; p. 281.
- Saniwax Paper Co., Kalamazoo, Mich. "Kleanrapt." (For Bread.) No. 19,947; Mar. 6; v. 236; p. 281.
- Saniwax Paper Co., Kalamazoo, Mich. "Bite O." (For Bread.) No. 19,948; Mar. 6; v. 236; p. 281.
- Saniwax Paper Co., Kalamazoo, Mich. "It's All." (For Bread.) No. 19,949; Mar. 6; v. 236; p. 281.
- Saniwax Paper Co., Kalamazoo, Mich. "Eatsum." (For Bread.) No. 19,950; Mar. 6; v. 236; p. 281.
- Saniwax Paper Co., Kalamazoo, Mich. "Meat-O-Wheat." (For Bread.) No. 19,951; Mar. 6; v. 236; p. 281.
- Sanna Co., Inc., New York, N. Y. "Sanna." (For Cheese.) No. 20,148; June 5; v. 239; p. 318.
- Sauquoit Toilet Paper Co., New Hartford, N. Y. "Honor Brand." (For Crape-Tissue.) No. 20,113; May 22; v. 238; p. 1328.
- Schafer Bakery, Inc., Savannah, Ga. "Schafer's The Bread That Nourishes." (For Bread.) No. 20,014; Apr. 10; v. 237; p. 620.
- Schlichting, Albert T., Newark, N. J. "Slick-Shine." (For Automobile-Body Polish.) No. 20,099; May 15; v. 238; p. 981.
- Schoeneman, Firm of J., Baltimore, Md. "King Kuhl Klothes." (For Clothing.) No. 19,892; Feb. 13; v. 235; p. 693.
- Schreier, Herman, Sheboygan, Wis. "Cardinal." (For Non-Alcoholic Beverages.) No. 19,953; Mar. 6; v. 236; p. 281.
- Schreier, Herman, Sheboygan, Wis. "Caramel." (For Non-Alcoholic Beverages.) No. 19,954; Mar. 6; v. 236; p. 281.
- Schreier, Herman, Sheboygan, Wis. "Imperial." (For Non-Alcoholic Beverages.) No. 19,955; Mar. 6; v. 236; p. 281.
- Schulze Baking Company, Chicago, Ill. "Schulze's Liberty Loaf." (For Bread.) No. 20,421; Dec. 18; v. 245; p. 843.
- Schulze, Paul, Chicago, Ill. "Victor." (For Bread.) No. 20,340; Oct. 23; v. 243; p. 1064.

- Shore Distilling Co., Philadelphia, Pa. "Mt. Purn Brand Cognac." (For Brandies.) No. 20,060; May 1; v. 238; p. 309.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "Shredded Whole Wheat." (For Shredded Whole Wheat.) No. 19,918; Feb. 20; v. 235; p. 1053.
- Silverberg Import Co., New York, N. Y. "Slip-pon." (For Vells.) No. 19,938; Feb. 27; v. 235; p. 1354.
- Smith, Clarence R., Philadelphia, Pa. "Sammies." (For Tobacco Cigarettes.) No. 20,247; Aug. 21; v. 241; p. 910.
- Smith & Nettle Co., Inc., New York, N. Y. "Ambassador." (For Sardines.) No. 20,351; Oct. 30; v. 243; p. 1308.
- Smith, O. F., Toledo, Ohio. "Onilla Polish." (For a Cleaning and Polishing Compound.) No. 20,017; Apr. 10; v. 237; p. 620.
- Smith & Son, J. H., Upper Sandusky, Ohio. "Silver Tip." (For Potatoe Chips.) No. 20,350; Oct. 30; v. 243; p. 1308.
- Snap Fastener Sales Co. Corp., New York, N. Y. "American Lady." (For Fasteners.) No. 20,134; May 29; v. 238; p. 1638.
- Snell Mill and Grain Co., The, Clay Center, Kans. "Snell's Imperial Flour." (For Flour.) No. 19,893; Feb. 13; v. 235; p. 693.
- Sockeye Salmon Company, Seattle, Wash. "Ever Ready." (For Canned Salmon.) No. 20,422; Dec. 18; v. 245; p. 843.
- Sodter, Morris, Chicago, Ill. "Gloss." (For Furniture and Automobile Polish.) No. 19,939; Feb. 27; v. 235; p. 1354.
- South Coast Canning Co., Long Beach, Cal. "Avalon." (For Sardines in Oil.) No. 20,034; Apr. 17; v. 237; p. 916.
- Spear & Co., H., New York, N. Y. "Spearmin's Peppermints." (For Candy.) No. 20,423; Dec. 18; v. 245; p. 843.
- Spear & Co., H., New York, N. Y. "Spearmin's Cloves." (For Candy.) No. 20,424; Dec. 18; v. 245; p. 843.
- Spencer-Hogin Grocery & Fruit Co., Marion, Ind. "Everybody Loves 'Lovers.'" (For Rolled White Oats.) No. 20,206; July 17; v. 240; p. 940.
- Spencer-Hogin Grocery & Fruit Co., Marion, Ind. "Everybody Loves 'Lovers.'" (For Blended Coffee.) No. 20,207; July 17; v. 240; p. 940.
- St. Louis Beverage Company, St. Louis, Mo. "Amber." (For a Non-Intoxicating Cereal Beverage.) No. 20,035; Apr. 17; v. 237; p. 916.
- Stadeker, Leonard J., Chicago, Ill. "Collier's." (For Cigars.) No. 19,919; Feb. 20; v. 235; p. 1053.
- Stephans, William P., Fort Worth, Tex. "Extra 'Duro Colours.'" (For Colors.) No. 20,020; Apr. 10; v. 237; p. 620.
- Strollo and Sons, Ltd., M., Barnesboro, Pa. "Tre-Col-Ore." (For Macaroni.) No. 20,296; Sept. 25; v. 242; p. 991.
- Tacoma Grain Company, Tacoma, Wash. "Pyramid." (For Flour.) No. 20,291; Sept. 25; v. 242; p. 991.
- Tanaka, Tom K., San Francisco, Cal. "Mt. Fuji." (For Beer.) No. 20,036; Apr. 17; v. 237; p. 916.
- Tarpley, E. J., Dublin, Ga. "Tarpley's White Mixture." (For Tarpley's White Mixture.) No. 19,894; Feb. 13; v. 235; p. 693.
- Taylor, Arthur, Los Angeles, Cal. "Taylor's Boneless Chicken Tamale." (For Canned Tamales.) No. 20,425; Dec. 18; v. 245; p. 843.
- Taylor, Arthur, Los Angeles, Cal. "Taylor's Beef Tamale." (For Canned Tamales.) No. 20,426; Dec. 18; v. 245; p. 843.
- Taylor, Charles M., Jr., Maple Shade, N. J. "Taylor Butter-Pan." (For Butter-Pans.) No. 20,175; June 19; v. 239; p. 938.
- Taylor, John W., Jr., Nashville, Tenn. "Ku-Rall." (For an Ointment.) No. 19,895; Feb. 13; v. 235; p. 693.
- Taylor, Milton M., Tampa, Fla. "Taylor's 6T6 Takes The Place Of Quinine." (For a Medicinal Preparation.) No. 20,378; Nov. 20; v. 244; p. 816.
- Taylor, William E., Battle Creek, Mich. "Sammie's Hav-A-Sac." (For Chocolate Chips.) No. 20,309; Oct. 2; v. 243; p. 239.
- Teixeira, A. D., Boston, Mass. "Tony." (For Pickles.) No. 19,940; Feb. 27; v. 235; p. 1354.
- Terre Haute Brewing Co., Terre Haute, Ind. "C. V." (For a Non-Intoxicating Beverage.) No. 20,269; Sept. 4; v. 242; p. 252.
- Terre Haute Brewing Company, Terre Haute, Ind. "C. V." (For a Non-Intoxicating Beverage Known as Champagne Velvet.) Nos. 20,352-3; Oct. 30; v. 243; p. 1308.
- Theo. Thomsen & Son, New York, N. Y. "Thomsen's Elk." (For Cigars.) No. 19,990; Mar. 20; v. 236; p. 887.
- Thornton Mineral Springs Company, Chicago, Ill. "Thornton Mineral Water." (For Mineral Waters.) Nos. 20,316-17; Oct. 9; v. 243; p. 523.
- Tieberman, Julius F., Cincinnati, Ohio. "Cotton-Top." (For Non-Intoxicating Beverages.) No. 20,088; May 8; v. 238; p. 648.
- Tincture & Extract Company, Philadelphia, Pa. "Surgaceous Purified Iodine." (For Iodin.) No. 20,248; Aug. 21; v. 241; p. 910.
- Tincture & Extract Company, Philadelphia, Pa. "Glyco-Iodine." (For Iodin.) No. 20,354; Oct. 30; v. 243; p. 1308.
- Tokalon, Inc., New York, N. Y. "Emazol." (For Mouth and Throat Wash.) No. 19,956; Mar. 6; v. 236; p. 281.
- Toy Tinkers, The, Evanston, Ill. "Miss Tilly Tinker The Terpsichorean Queen." (For a Wooden Toy.) No. 20,254; Aug. 28; v. 241; p. 1155.
- Trainor, George W., Chicago, Ill. "Lustr-Klene." (For a Cleaner and Polisher of Articles of White Kid.) No. 20,379; Nov. 20; v. 244; p. 816.
- Tree, D. M., Kansas City, Mo. "Cream-O-Lasses." (For Candy-Boxes.) No. 19,896; Feb. 13; v. 235; p. 693.
- Triaca Company, The, Baltimore, Md. "Tipperary." (For Dry Gin.) No. 20,101; May 15; v. 238; p. 981.
- True Blue Drug Co., Columbus, Ohio. "True Blue." (For a Compound of Camphor and Menthol Balm.) No. 20,102; May 15; v. 238; p. 981.
- Truesdell, C. B., Sac City, Iowa. "Home Made." (For Cough-Drops.) No. 20,061; May 1; v. 238; p. 309.
- Tucker, Charles O., Boston, Mass. "The O. V. Hand Painted Paper Dolls." (For Dolls.) No. 20,318; Oct. 9; v. 243; p. 523.
- Turlock Merchants & Growers, Incorporated, Turlock, Cal. "T. M. & G." (For Honaba Melons.) No. 20,427; Dec. 18; v. 245; p. 843.
- Turner Mfg. Co., M. E., St. Louis, Mo. "Flora de Ark Bloom of Eden Lotion." (For a Complexion-Lotion.) No. 20,287; Sept. 25; v. 242; p. 991.
- Tustin Hills Citrus Association, Tustin, Cal. "Geo. Washington." (For Oranges.) No. 20,062; May 1; v. 238; p. 309.
- United Drug Company, Boston, Mass. "Jonteel." (For Cold-Cream.) No. 20,049; Apr. 24; v. 237; p. 1217.
- United Grocers Corporation, Toledo, Ohio. "Un-Gro-Co. Products." (For Pork and Beans.) No. 20,866; Nov. 6; v. 244; p. 288.
- United Hat Stores, Inc., Philadelphia, Pa. "The Oak Brand." (For Hats.) No. 19,897; Feb. 13; v. 235; p. 693.
- United States Apothecaries Association, Newark, N. J. "Lecithinol." (For a Medicinal Preparation.) No. 19,898; Feb. 13; v. 235; p. 693.
- United States Apothecaries Association, Newark, N. J. "Thymo-Boroline." (For a Medicinal Preparation.) No. 19,899; Feb. 13; v. 235; p. 693.
- Universal Steel Wool Company, Chicago, Ill. "Universal Steel Wool." (For Steel-Wool.) No. 20,428; Dec. 18; v. 245; p. 843.
- Universal Steel Wool Company, Chicago, Ill. "Beaver Brand Steel Wool." (For Steel-Wool.) No. 20,429; Dec. 18; v. 245; p. 843.
- Vaile-Kimes Company, The, Dayton, Ohio. "Open-Cylinder Pump." (For Electric Deep-Well Pumps.) No. 19,865; Jan. 30; v. 234; p. 1582.
- Val Blatz Brewing Co., Milwaukee, Wis. "Barma." (For a Non-Intoxicating Cereal Beverage.) No. 19,994; Mar. 20; v. 236; p. 887.
- Val Blatz Jr. Candy Co., Milwaukee, Wis. "Assorted Chocolates To-morrows." (For Candy-Boxes.) No. 20,270; Sept. 4; v. 242; p. 252.
- Val Blatz Jr. Candy Co., Milwaukee, Wis. "Yesterday's Chocolates Assorted." (For Candy-Boxes.) No. 20,271; Sept. 4; v. 242; p. 252.
- Val Blatz, Jr. Candy Co., Milwaukee, Wis. "To-day's Chocolate Assorted." (For Candy-Boxes.) No. 20,310; Oct. 2; v. 243; p. 239.
- Val Blatz Jr. Candy Co., Milwaukee, Wis. "Milk Cluster." (For Candy-Boxes.) No. 20,430; Dec. 18; v. 245; p. 843.
- Van Landingham Co., C. E., Los Angeles, Cal. "Santa Barbara." (For Canned Sardines.) No. 19,995; Mar. 20; v. 236; p. 887.
- Victoria Broom & Whisk Factory, Victoria, Tex. "Kleene K-S Sweeper." (For Brooms.) No. 20,063; May 1; v. 238; p. 309.
- W. H. Dyer Co., Evansville, Ind. "W. H. Dyer's Own Pack Triple A. A." (For Pork and Beans.) No. 20,357; Nov. 6; v. 244; p. 288.
- W. H. Dyer Company Evansville, Ind., Evansville, Ind. "W. H. Dyer's Own Pack." (For Pork and Beans.) No. 20,335; Oct. 23; v. 243; p. 1064.
- W. S. Forbes & Co. Inc., Richmond, Va. "We Root For Forbes' Pure Food Products." (For Lard.) No. 20,280; Sept. 11; v. 242; p. 514.
- Wadsworth, Howland & Co., Incorporated, Boston, Mass. "Agate Floor." (For Varnishes.) No. 19,920; Feb. 20; v. 235; p. 1053.
- Wadsworth, Howland & Co., Incorporated, Boston, Mass. "Inorout." (For Varnishes.) No. 20,333; Oct. 16; v. 243; p. 792.
- Wagner, Henry, *et al.*, executor. (See Weinhard Estate, Henry.)
- Wagner, Henry, *et al.*, executors. (See Weinhard, Henry.)
- Wagner, Louise, *et al.*, executrix. (See Weinhard Estate, Henry.)
- Wakelee's Inc., San Francisco, Cal. "Wakelee's." (For Liquid Complexion-Powder.) No. 20,355; Oct. 30; v. 243; p. 1308.
- Walker, Robert R., and Jesse M. Owen, Elko, Nev. "Si-Ya-Ma." (For a Blood-Purifier.) No. 20,356; Oct. 30; v. 243; p. 1308.
- Walter Bros. Brewing Co., Menasha, Wis. "Dry-Cure." (For Non-Intoxicating Cereal Beverages.) No. 20,319; Oct. 9; v. 243; p. 523.

Alphabetical list of registrants of labels—Continued.

- Wambaugh, J. Leo, Wilkinsburg, Pa. "Burn=Dres." (For a Burn Treatment.) No. 20,135; May 29; v. 238; p. 1638.
- Warner, Frank L., San Francisco, Cal. "Sandwich." (For Meat Paste.) No. 20,431; Dec. 18; v. 245; p. 843.
- Warner, Frank L., San Francisco, Cal. "Sandwich." (For Prepared Creamed Mustard.) No. 20,432; Dec. 18; v. 245; p. 844.
- Warner Jenkinson Company, St. Louis, Mo. "True Fruit Lemon Flavored Soda Water." (For Soda-Water.) No. 20,255; Aug. 28; v. 241; p. 1155.
- Warner Jenkinson Company, St. Louis, Mo. "True Fruit Cherry Flavored Soda Water." (For Soda-Water.) No. 20,256; Aug. 28; v. 241; p. 1155.
- Warner Jenkinson Company, St. Louis, Mo. "True Fruit Orange Flavored Soda Water." (For Soda-Water.) No. 20,257; Aug. 28; v. 241; p. 1155.
- Warner Jenkinson Company, St. Louis, Mo. "True Fruit Raspberry Flavored Soda Water." (For Soda-Water.) No. 20,258; Aug. 28; v. 241; p. 1155.
- Warner Jenkinson Company, St. Louis, Mo. "True Fruit Pineapple Flavored Soda Water." (For Soda-Water.) No. 20,259; Aug. 28; v. 241; p. 1155.
- Warner Jenkinson Company, St. Louis, Mo. "True Fruit Strawberry Flavored Soda Water." (For Soda-Water.) No. 20,260; Aug. 28; v. 241; p. 1155.
- Waters, Dudley E., Grand Rapids, Mich. "Maryland Farms, Registered Holstein Milk." (For Milk.) No. 19,996; Mar. 20; v. 236; p. 887.
- Watson & Co., John, Houlton, Me. "Watson's Soluble Arsenoid." (For Insecticides.) No. 20,433; Dec. 18; v. 245; p. 844.
- Weideman Co., The, Cleveland, Ohio. "Best Value." (For Cigars.) No. 20,018; Apr. 10; v. 237; p. 620.
- Weinhard Estate, Henry; L. and A. Wessinger, L. Wagner, P. Wessinger, and H. Wagner, executrices and executors, Portland, Oreg. "Luxo." (For a Non-Intoxicating Beverage.) No. 19,992; Mar. 20; v. 236; p. 887.
- Weinhard Estate, Henry; L. and A. Wessinger, L. Wagner, P. Wessinger, and H. Wagner, executrices and executors, Portland, Oreg. "Luxo." (For a Non-Intoxicating Beverage.) No. 19,992; Mar. 20; v. 236; p. 887.
- Weinhard, Henry, deceased, Portland, Oreg.; L. Weinhard and A. Wessinger executrices, P. Wessinger and H. Wagner executors. "Appo." (For Unfermented Apple-Juice.) No. 20,176; June 19; v. 239; p. 938.
- Weinhard, Louise, *et al.*, executrices. (See Weinhard, Henry.)
- Weinstein, Harry, New York, N. Y. "Pride of Scotland County." (For Cantaloups.) No. 20,149; June 5; v. 239; p. 318.
- Wenatchee Realty & Investment Co., Wenatchee, Wash. "Eden Orchards." (For Boxed Apples.) No. 20,283; Sept. 11; v. 242; p. 514.
- Wenz, Mary L., Boston, Mass. "Acidulated Cartridges." (For Confectionery.) No. 20,311; Oct. 2; v. 243; p. 239.
- Wessinger, Anna, *et al.*, executrices. (See Weinhard, Henry.)
- Wessinger, Anna, *et al.*, executrix. (See Weinhard Estate, Henry.)
- Wessinger, Louise, *et al.*, executrix. (See Weinhard Estate, Henry.)
- Wessinger, Paul, *et al.*, executor. (See Weinhard Estate, Henry.)
- Wessinger, Paul, *et al.*, executors. (See Weinhard, Henry.)
- West Virginia Beverage Co., Charleston, W. Va. "The Pure Cola Drink Lymola." (For a Beverage.) No. 20,205; July 10; v. 240; p. 639.
- West Virginia Beverage Co., Charleston, W. Va. "Mountain Rock Ginger Ale." (For Ginger-Ale.) No. 20,227; Aug. 7; v. 241; p. 299.
- Westenfeiter, Charles W., Springfield, Ohio. "Denservo." (For Tooth-Paste.) No. 19,997; Mar. 20; v. 236; p. 887.
- Wheeler Beauty Co., New York, N. Y. "Nail Bright." (For Nail-Polish.) No. 20,089; May 8; v. 238; p. 648.
- White King Squab Products Co., Vineland, N. J. "White King Squab Soup." (For Squab Soup.) No. 20,114; May 22; v. 238; p. 1328.
- White & Wyckoff Mfg. Co., Holyoke, Mass. "Klearflax Linen." (For Envelops and Writing-Paper.) No. 20,434; Dec. 18; v. 245; p. 844.
- White & Wyckoff Mfg. Co., Holyoke, Mass. "Waverly Fine Linen." (For Envelops and Writing-Paper.) No. 20,435; Dec. 18; v. 245; p. 844.
- White & Wyckoff Mfg. Co., Holyoke, Mass. "Whiteflax Linen." (For Envelops and Writing-Paper.) No. 20,436; Dec. 18; v. 245; p. 844.
- White & Wyckoff Mfg. Co., Holyoke, Mass. "Old Salem Lawn." (For Envelops and Writing-Paper.) No. 20,437; Dec. 18; v. 245; p. 844.
- Wilson Coffee Company, Tampa, Fla. "Wilson's Orange Blossom Coffee." (For Coffee.) No. 20,438; Dec. 18; v. 245; p. 844.
- Wilson Coffee Company, Tampa, Fla. "Wilson's Custom House Coffee." (For Coffee.) No. 20,439; Dec. 18; v. 245; p. 844.
- Wilson Orchard Company, Nampa, Idaho. "Mountain Gem." (For Apples.) No. 20,380; Nov. 20; v. 244; p. 816.
- Windsor Print Works, North Adams, Mass., and New York, N. Y. "Khaki-Tex." (For Khaki-Colored Cloth.) No. 20,293; Sept. 25; v. 242; p. 991.
- Wm. H. Lee & Co., St. Louis, Mo. "Clarabelle." (For Claret-Wine.) No. 20,412; Dec. 18; v. 245; p. 843.
- Woodard, Clarke & Co., Portland, Oreg. "U-Ar-Das Bath Tablets." (For Bath-Tablets.) No. 19,957; Mar. 6; v. 236; p. 281.
- Woosley Medicine Company, Commerce, Tex. "Woosley's Liniment." (For Liniment.) No. 20,019; Apr. 10; v. 237; p. 620.
- Worcester Baking Company, Worcester, Mass. "Swanson's Wheat Bread." (For Bread.) No. 19,900; Feb. 13; v. 235; p. 693.
- Worthley & Strong Fruit Co., Inc., Riverside, Cal. "California Beauty." (For Oranges.) No. 20,341; Oct. 23; v. 243; p. 1064.
- Wright, E. A., Chicago, Ill. "All Wright Salve." (For Salve.) No. 20,261; Aug. 28; v. 241; p. 1155.
- Wright, Gillman H., Fallon, Nev. "Nevada Honey." (For Extracted Honey.) No. 19,958; Mar. 6; v. 236; p. 281.
- Wright, Mary E., Smiths Grove, Ky. "King of Cholera." (For a Remedy for Chicken and Hog Cholera.) No. 20,237; Aug. 14; v. 241; p. 621.
- Yakima Valley Fruit Growers' Association, North Yakima, Wash. "Sno-Kist." (For Apples.) No. 19,840; Jan. 16; v. 234; p. 1044.
- Yakima Valley Fruit Growers' Association, North Yakima, Wash. "Blue Stripe." (For Apples.) No. 19,841; Jan. 16; v. 234; p. 1044.
- Yakima Valley Fruit Growers' Association, North Yakima, Wash. "Red Stripe." (For Apples.) No. 19,842; Jan. 16; v. 234; p. 1044.
- Young, Willis G., Chicago, Ill. "Chocolate-Splash." (For a Game.) No. 20,064; May 1; v. 238; p. 309.
- Young, Willis G., Chicago, Ill. "Can-You Beat-It? (Solitaire)." (For a Game.) No. 20,065; May 1; v. 238; p. 309.
- Young, Willis G., Chicago, Ill. "Top-Pachecza." (For a Game.) No. 20,066; May 1; v. 238; p. 309.
- Young, Willis G., Chicago, Ill. "Fig-Mill." (For a Game.) No. 20,067; May 1; v. 238; p. 309.
- Young, Willis G., Chicago, Ill. "Birth-Heart." (For a Game.) No. 20,381; Nov. 20; v. 244; p. 816.
- Young, Willis G., Chicago, Ill. "Pin-Nock'l." (For a Game.) No. 20,382; Nov. 20; v. 244; p. 816.
- Young, Willis G., Chicago, Ill. "Climbers and Creepers." (For a Game.) No. 20,440; Dec. 18; v. 245; p. 844.
- Young, Willis G., Chicago, Ill. "Movie-Inn." (For a Game.) No. 20,441; Dec. 18; v. 245; p. 844.

PRINTS.

- A. Russell Howe, Buffalo, N. Y. "Nu-Eat-A Nut Cereal." (For Breakfast Food.) No. 4,604; Jan. 16; v. 234; p. 1044.
- A. Schrader's Son, Incorporated, Brooklyn, N. Y., and Chicago, Ill. "Twitcheil Pneumatic Tire Pressure Gauge." (For Pneumatic-Tire Pressure-Gages.) No. 4,603; Jan. 16; v. 234; p. 1044.
- Adams & Elting Co., Chicago, Ill. "Ad-El-Itte Motor Carbon Remover." (For Carbon-Remover.) No. 4,643; Mar. 20; v. 236; p. 888.
- Allen, Geo. H., Clinton, N. Y. "Rink-ly." (For Mops and Dust-Cloths.) No. 4,629; Feb. 27; v. 235; p. 1354.
- American Tobacco Company, The, New York, N. Y. "It's Toasted." (For Cigarettes.) No. 4,630; Feb. 27; v. 235; p. 1354.
- American Toilet Goods Co., Boston, Mass. "Jardin De Rose." (For Toilet Requisites.) No. 4,639; Mar. 6; v. 236; p. 281.
- Arbuckle Bros., New York, N. Y. "Yuban Chosen for Men by Men." (For Yuban Coffee.) No. 4,711; June 26; v. 239; p. 1207.
- Armour Grain Company, Chicago, Ill. "Breakfast, Luncheon and Dinner Armour's Oats." (For Armour's Oats.) No. 4,644; Mar. 20; v. 236; p. 888.
- Armour Grain Company, Chicago, Ill. "Armour's Oats." (For Armour's Oats.) No. 4,645; Mar. 20; v. 236; p. 888.
- Aunt Jemima Mills Company, St. Joseph, Mo. "So Economical and So Delicious! Try It and See." (For Pancake-Flour.) No. 4,822; Nov. 6; v. 244; p. 288.
- Aunt Jemima Mills Company, St. Joseph, Mo. "Aunt Jemima Pancake Flour Delicious! Economical! Convenient!" (For Pancake-Flour.) No. 4,823; Nov. 6; v. 244; p. 288.

- Aunt Jemima Mills Company, St. Joseph, Mo. "The Most Popular Pancake Flour in America." (For Pancake-Flour.) No. 4,824; Nov. 6; v. 244; p. 288.
- Aunt Jemima Mills Company, St. Louis, Mo. "Made in a Minute and So Good." (For Pancake-Flour.) No. 4,825; Nov. 6; v. 244; p. 288.
- B. V. D. Company, The, New York, N. Y. "B. V. D. 1917 Men's Union Suit." (For Athletic Underwear.) No. 4,621; Feb. 20; v. 235; p. 1053.
- B. V. D. Company, The, New York, N. Y. "B. V. D. 1917 Men's Two Piece Suit." (For Athletic Underwear.) No. 4,622; Feb. 20; v. 235; p. 1053.
- B. V. D. Company, The, New York, N. Y. "B. V. D. 1917 Men's Union Suit." (For Athletic Underwear.) No. 4,623; Feb. 20; v. 235; p. 1053.
- B. V. D. Company, The, New York, N. Y. "B. V. D. 1917 Men's Two Piece Suit." (For Athletic Underwear.) No. 4,624; Feb. 20; v. 235; p. 1053.
- B. V. D. Company, The, New York, N. Y. "Start Your Day This Way—B. V. D." (For Athletic Underwear.) No. 4,631; Feb. 27; v. 235; p. 1354.
- B. V. D. Company, The, New York, N. Y. "Say! I'm In My B. V. D.s—Be Right Over." (For Athletic Underwear.) No. 4,632; Feb. 27; v. 235; p. 1354.
- B. V. D. Company, The, New York, N. Y. "In Crowded Cars, Stuffy Offices, Hot Streets—Cool B. V. D." (For Athletic Underwear.) No. 4,742; Aug. 14; v. 241; p. 621.
- B. V. D. Company, The, New York, N. Y. "Outdoors In Your Heart, B. V. D. On Your Back." (For Athletic Underwear.) No. 4,743; Aug. 14; v. 241; p. 621.
- B. V. D. Company, The, New York, N. Y. "Each Hour's Recreation Is 60 Minutes Comfort in B. V. D." (For Athletic Underwear.) No. 4,744; Aug. 14; v. 241; p. 621.
- B. V. D. Company, The, New York, N. Y. "Solid Comfort and Stalwart Wear in B. V. D." (For Athletic Underwear.) No. 4,745; Aug. 14; v. 241; p. 621.
- B. V. D. Company, The, New York, N. Y. "A Brisk Walk in B. V. D." (For Athletic Underwear.) No. 4,746; Aug. 14; v. 241; p. 621.
- B. V. D. Company, The, New York, N. Y. "The Cool-Off Three, Wind, Wave and B. V. D." (For Athletic Underwear.) No. 4,747; Aug. 14; v. 241; p. 621.
- B. V. D. Company, The, New York, N. Y. "B. V. D. Lessens The Irrk In Desk Work." (For Athletic Underwear.) No. 4,748; Aug. 14; v. 241; p. 621.
- B. V. D. Company, The, New York, N. Y. "Every Day's A Holiday in Cool B. V. D." (For Athletic Underwear.) No. 4,749; Aug. 14; v. 241; p. 621.
- B. V. D. Company, The, New York, N. Y. "A Dip And B. V. D. For Coolness." (For Athletic Underwear.) No. 4,750; Aug. 14; v. 241; p. 621.
- B. V. D. Company, The, New York, N. Y. "American Institutions—Baseball and B. V. D." (For Athletic Underwear.) No. 4,751; Aug. 14; v. 241; p. 621.
- B. V. D. Company, The, New York, N. Y. "Cultivate Cool Comfort In B. V. D. Underwear." (For Athletic Underwear.) No. 4,752; Aug. 14; v. 241; p. 621.
- Bailey Non-Stall Differential Corporation, Chicago, Ill. "Brains In The Rear Axle Power To The Wheel That Can Use It." (For Differentials for Motor-Driven Vehicles.) No. 4,814; Oct. 23; v. 243; p. 1064.
- Ballard, Elijah F., Dallas, Tex. "Hygeian." (For a Disinfectant.) No. 4,696; May 29; v. 238; p. 1638.
- Barlow, Francis J., Chicago, Ill. "La Barlo." (For Cigars.) No. 4,691; May 15; v. 238; p. 981.
- Batterman Rubber Company, Boston, Mass. "Toesans Rubbers For Women." (For Women's Rubbers.) No. 4,782; Aug. 28; v. 241; p. 1155.
- Baumann, Wm. H., St. Louis, Mo. "Double Eccentric Piston Ring Corporation." (For Piston-Rings.) No. 4,757; Aug. 21; v. 241; p. 910.
- Beall, Emma R., Akron, Ohio. "Beauty is Within the Reach of All." (For a Toilet Preparation.) No. 4,755; Aug. 21; v. 241; p. 910.
- Bestol Co., The, Boston, Mass. "For Protection Bestol." (For Bestol Dental Cream, Mouth-Wash, and Tooth-Brushes.) No. 4,795; Sept. 25; v. 242; p. 991.
- Black Cat Textiles Company, Kenosha, Wis. "Black Cat." (For Hosiery.) No. 4,756; Aug. 21; v. 241; p. 910.
- Black Cat Textiles Company, Kenosha, Wis. "Cooper's Bennington Summer-Wear." (For Summer Wear.) No. 4,818; Oct. 30; v. 243; p. 1308.
- Brambach Piano Co., New York, N. Y. "Baby Grand Piano." (For Pianos.) No. 4,783; Aug. 28; v. 241; p. 1155.
- Brand, George, Brooklyn, N. Y. "The New Brand Vacuum Cleaner With Sweeper." (For Vacuum-Cleaners.) No. 4,646; Mar. 20; v. 236; p. 888.
- Bulliard, Edmond, St. Martinville, La. "Evangeline Tampico Sauce." (For Pepper Sauce.) No. 4,599; Jan. 16; v. 234; p. 1044.
- Bunte Brothers, Chicago, Ill. "Bunte 'Made.'" (For Cocoa.) No. 4,815; Oct. 23; v. 243; p. 1064.
- Carpenter-Morton Co., Boston, Mass. "Colorite." (For a Dye for Satin, Silk, and Canvas Slippers and Basketry.) No. 4,793; Sept. 25; v. 242; p. 991.
- Carter's Ink Company, The, Boston, Mass. "Carter Ink." (For Carter's Inks and Paste.) No. 4,667; Apr. 17; v. 237; p. 916.
- Case, Harold S., Winsted, Conn. "Fast as Niagara." (For Washable Name-Tapes.) No. 4,831; Nov. 27; v. 244; p. 1085.
- Central Consumers Company, Inc., Louisville, Ky. "Fehr's Ambrosia Nectar of the Gods." (For Beverages.) No. 4,723; July 17; v. 240; p. 940.
- Cham-Pay Products Co., Evansville, Ind. "Cham-Pay." (For a Soft Drink.) No. 4,658; Apr. 10; v. 237; p. 620.
- Channell Chemical Company, Chicago, Ill. "The O-Cedar Result." (For O-Cedar Polish.) No. 4,675; Apr. 24; v. 237; p. 1217.
- Channell Chemical Company, Chicago, Ill. "Your Dining Room Furniture." (For O-Cedar Polish.) No. 4,676; Apr. 24; v. 237; p. 1217.
- Channell Chemical Company, Chicago, Ill. "Cheerfully Bright Wherever O-Cedar Polish is used." (For O-Cedar Polish.) No. 4,683; May 8; v. 238; p. 648.
- Channell Chemical Company, Chicago, Ill. "The O-Cedar Way." (For O-Cedar Polish.) No. 4,684; May 8; v. 238; p. 648.
- Chr. Hansen's Lab. Inc., Little Falls, N. Y. "Nesnah." (For Nesnah.) No. 4,608; Jan. 30; v. 234; p. 1582.
- Chr. Hansen's Lab. Inc., Hansen Island, Little Falls, N. Y. "Nesnah Made In A Jiffy." (For Nesnah.) No. 4,634; Feb. 27; v. 235; p. 1354.
- Coca-Cola Co., The, Atlanta, Ga. "Drink Coca-Cola." (For Coca Cola.) No. 4,736; Aug. 7; v. 241; p. 299.
- Cortez Cigar Co., Savannah, Ga. "For Men of Brains." (For Cigars.) No. 4,719; July 10; v. 240; p. 639.
- Cosmetic Product Company, The, Montreal, Canada. "Le Lait Des Roses." (For Antiseptic and Tonic of the Skin.) No. 4,699; May 29; v. 238; p. 1638.
- Cragg, Samuel H., New York, N. Y. "The Fleur de Lys." (For a Decorative Shoe-Emblem.) No. 4,617; Feb. 13; v. 235; p. 694.
- Cream of Wheat Co., Minneapolis, Minn. "Financially Embarrassed." (For Wheat Breakfast Food.) No. 4,606; Jan. 30; v. 234; p. 1582.
- Cream of Wheat Co., Minneapolis, Minn. "Cooking Mama's Breakfast." (For Wheat Breakfast Food.) No. 4,625; Feb. 20; v. 235; p. 1053.
- Cream of Wheat Co., Minneapolis, Minn. "Here You Are." (For Wheat Breakfast Food.) No. 4,647; Mar. 20; v. 236; p. 888.
- Cream of Wheat Co., Minneapolis, Minn. "Open your mouth and shut your eyes, And I'll give you something to make you wise." (For Wheat Breakfast Food.) No. 4,706; June 19; v. 239; p. 938.
- Cream of Wheat Co., Minneapolis, Minn. "Rastus Art Gallery." (For Wheat Breakfast Food.) No. 4,737; Aug. 7; v. 241; p. 299.
- Cream of Wheat Co., Minneapolis, Minn. "Preparedness." (For Wheat Breakfast Food.) No. 4,789; Sept. 11; v. 242; p. 514.
- Cream of Wheat Co., Minneapolis, Minn. "Who Can Spell Cream of Wheat." (For Wheat Breakfast Food.) No. 4,805; Oct. 16; v. 243; p. 792.
- Cream of Wheat Co., Minneapolis, Minn. "The Man Who Put Cream Of Wheat On The Calendar." (For Wheat Breakfast Food.) No. 4,832; Nov. 27; v. 244; p. 1085.
- Cream of Wheat Co., Minneapolis, Minn. "Saying Grace." (For Wheat Breakfast Food.) No. 4,837; Dec. 18; v. 245; p. 844.
- Creanette Company, The, Minneapolis, Minn. "How To Cut the High Cost of Living With Creamettes." (For Macaroni.) No. 4,692; May 15; v. 238; p. 981.
- Cudahy Brothers Company, Cudahy, Wis. "Makes You A Champion." (For Lard.) No. 4,826; Nov. 6; v. 244; p. 288.
- Cudahy Brothers Company, Cudahy, Wis. "I'll Just Try It." (For Lard.) No. 4,827; Nov. 6; v. 244; p. 288.
- Dalton Machine Co. Inc., New York, N. Y. "Bulletin B-602." (For Lathes.) No. 4,685; May 8; v. 238; p. 648.
- Dalton Machine Co. Inc., New York, N. Y. "Bulletin B-601." (For Lathes.) No. 4,686; May 8; v. 238; p. 648.
- Dalton Machine Co. Inc., New York, N. Y. "Bulletin B-603." (For Lathes.) No. 4,687; May 8; v. 238; p. 648.
- David Weil's Sons Lithographic Co., Brooklyn, N. Y. "Advisor." (For Hosiery.) No. 4,695; May 22; v. 238; p. 1328.
- Davis & Geck Inc., Brooklyn, N. Y. "Surgical Sutures Exclusively." (For Surgical Sutures.) No. 4,758; Aug. 21; v. 241; p. 910.
- De Laval Separator Company, The, New York, N. Y. "They're Starting Right." (For De Laval Cream-Separators.) No. 4,607; Jan. 30; v. 234; p. 1582.
- Detmer Woolen Co., New York, N. Y. "Detmer Woolens Over 500 Designs to Select From." (For Woolens.) No. 4,838; Dec. 18; v. 245; p. 844.
- Dexter Yarn Company, Pawtucket, R. I. "Dexter Knitting Cotton." (For Knitting-Cotton.) No. 4,816; Oct. 23; v. 243; p. 1064.
- Dixie Oil & Refining Co., San Antonio, Tex. "Ever Ready Lubricant." (For a Lubricant.) No. 4,819; Oct. 30; v. 243; p. 1308.
- Dunham, James A., Brooklyn, N. Y. "The Atherton Veil." (For Veils.) No. 4,728; July 31; v. 240; p. 1448.
- Dunlap, S. D., Ratavia, N. Y. "Marbleoid Asphalt Roofing." (For Roofing-Paper.) No. 4,659; Apr. 10; v. 237; p. 620.

Alphabetical list of registrants of prints—Continued.

- E. A. Mallory & Sons, Inc., Danbury, Conn. "Mallory Hats." (For Hats.) No. 4,642; Mar. 6; v. 236; p. 281.
- E. A. Mallory & Sons Inc., Danbury, Conn. "Mallory Hats." (For Hats.) No. 4,791; Sept. 11; v. 242; p. 514.
- Eclipse Interchangeable Counterbore Co., Inc., Detroit, Mich. "The Eclipse Interchangeable Counterbore Co., Inc." (For Boring-Tools.) No. 4,618; Feb. 13; v. 235; p. 694.
- Emerson Drug Co., Baltimore, Md. "Keeps Your Head Well Balanced Bromo-Seltzer for Headache." (For Preparations for the Cure of Headaches.) No. 4,725; July 24; v. 240; p. 1165.
- Emerson Drug Co., Baltimore, Md. "Bromo-Seltzer For Headaches Keeps Your Head Well Balanced." (For Preparations for the Cure of Headaches.) No. 4,726; July 24; v. 240; p. 1165.
- Enos F. Jones Chem. Co., New York, N. Y. "Bocabelli." (For Soap.) No. 4,641; Mar. 6; v. 236; p. 281.
- Fleischl & Son, Emil, New York, N. Y. "UNXLD Butter." (For Butter.) No. 4,660; Apr. 10; v. 237; p. 620.
- Fletcher & Wilson Coffee Co., Nashville, Tenn. "The Wonder Food Luxury Peanut Butter Cream Of The Goobor." (For Peanut-Butter.) No. 4,839; Dec. 18; v. 245; p. 844.
- G. Mennen Chemical Co., Newark, N. J. "This Part Of Your Face Interests The House of Mennen." (For Mennen's Shaving-Cream.) No. 4,653; Mar. 20; v. 236; p. 888.
- G. Mennen Chemical Co., Newark, N. J. "Mennen's Talcum For Men." (For Mennen's Talcum Powder.) No. 4,654; Mar. 20; v. 236; p. 888.
- G. Mennen Chemical Co., Newark, N. J. "Mennen's Cold Cream Improves The Complexion." (For Cold-Cream.) No. 4,655; Mar. 20; v. 236; p. 888.
- G. Mennen Chemical Co., Newark, N. J. "Mennen's Borated Talcum." (For Talcum Powder.) No. 4,713; June 26; v. 239; p. 1207.
- G. Mennen Chemical Co., Newark, N. J. "Mennen's Cream Dentifrice." (For Cream Dentifrice.) No. 4,714; June 26; v. 239; p. 1207.
- G. Mennen Chemical Co., Newark, N. J. "Mennen's Cold Cream." (For Cold-Cream.) No. 4,715; June 26; v. 239; p. 1207.
- G. Mennen Chemical Co., Newark, N. J. "Mennen's Shaving Cream." (For Shaving-Cream.) No. 4,716; June 26; v. 239; p. 1207.
- G. Mennen Chemical Co., Newark, N. J. "Mennen's Cream Dentifrice." (For Cream Dentifrice.) No. 4,717; June 26; v. 239; p. 1207.
- G. Mennen Chemical Co., Newark, N. J. "Prolong The Life Of The Child's First Teeth." (For Mennen's Cream Dentifrice.) No. 4,739; Aug. 7; v. 241; p. 299.
- G. Mennen Chemical Co., Newark, N. J. "Mennen's Cold Cream and Cream Tint Talcum." (For Cold-Cream and Talcum Powder.) No. 4,740; Aug. 7; v. 241; p. 299.
- Geuder, Paeschke & Frey Co., Milwaukee, Wis. "No. 7 Cream City Roaster Display." (For Cream City Roasters.) No. 4,633; Feb. 27; v. 235; p. 1354.
- Geuder, Paeschke & Frey Co., Milwaukee, Wis. "No. 8 Cream City Dwarf Display Cut-Outs." (For Cream City Ware.) No. 4,640; Mar. 6; v. 236; p. 281.
- Goodyear Tire & Rubber Company, The, Akron, Ohio. "Goodyear Service Station." (For Cushion-Tires.) No. 4,648; Mar. 20; v. 236; p. 888.
- Gosman Ginger Ale Co., The, Baltimore, Md. "Gosman's Ginger Ale." (For Ginger-Ale.) No. 4,677; Apr. 24; v. 237; p. 1217.
- Hayward Company, The, New York, N. Y. "Hayward Buckets Dig For All The World." (For Buckets.) No. 4,798; Oct. 2; v. 243; p. 239.
- Henry Sonneborn & Co., Inc., Baltimore, Md. "Styleplus Clothes \$21 and \$25." (For Clothing for Men and Boys.) No. 4,806; Oct. 16; v. 243; p. 792.
- Henry Sonneborn & Co., Inc., Baltimore, Md. "Styleplus Clothes \$25." (For Clothing for Men and Boys.) No. 4,807; Oct. 16; v. 243; p. 792.
- Henry Sonneborn & Co., Inc., Baltimore, Md. "Styleplus Clothes \$21." (For Clothing for Men and Boys.) No. 4,808; Oct. 16; v. 243; p. 792.
- Henry Sonneborn & Co., Inc., Baltimore, Md. "Styleplus Clothes \$17 and \$21." (For Clothing for Men and Boys.) No. 4,809; Oct. 16; v. 243; p. 792.
- Henry Sonneborn & Co., Inc., Baltimore, Md. "Styleplus Clothes \$17 and \$21." (For Clothing for Men and Boys.) No. 4,810; Oct. 16; v. 243; p. 792.
- Hexagon Sewing Machine Company, New York, N. Y. "The Hexagon Sewing Machine." (For Sewing Machines.) Nos. 4,668-9; Apr. 17; v. 237; p. 916.
- Hitt, J. O., Staunton, Va. "Hitt's All-Healing Tobacco Ointment For External Use Only." (For Tobacco Ointment.) No. 4,817; Oct. 23; v. 243; p. 1064.
- Imperial Player Roll Co., Chicago, Ill. "'Jazz' Rag." (For Music-Rolls for Automatic Musical Instruments.) No. 4,600; Jan. 16; v. 234; p. 1044.
- Interwoven Stocking Company, New Brunswick, N. J. "In War as in Peace." (For Socks.) No. 4,784; Aug. 28; v. 241; p. 1155.
- Interwoven Stocking Company, New Brunswick, N. J. "Interwoven Socks." (For Socks.) No. 4,785; Aug. 28; v. 241; p. 1155.
- James S. Kirk & Company, Chicago, Ill. "Jap Rose With The True Rose Odor." (For Talcum Powder.) No. 4,703; June 5; v. 239; p. 318.
- James S. Kirk & Company, Chicago, Ill. "That Wonderful White Laundry Soap." (For Soap.) No. 4,783; Sept. 4; v. 242; p. 252.
- James S. Kirk & Company, Chicago, Ill. "It is Cheaper to Buy Good Soap Than New Clothes." (For Soap.) No. 4,804; Oct. 9; v. 243; p. 523.
- James S. Kirk & Company, Chicago, Ill. "Good Soap cheaper than new clothes." (For Soap.) No. 4,813; Oct. 16; v. 243; p. 792.
- Jos. Schlitz Brewing Company, Chicago, Ill. "Don't say Beer,—say Schlitz." (For Beer.) No. 4,670; Apr. 17; v. 237; p. 916.
- Kaufmann & Strauss Company, New York, N. Y. "A Good Smoke." (For Cigars.) No. 4,759; Aug. 21; v. 241; p. 910.
- Kellogg Toasted Corn Flake Co., Battle Creek, Mich. "Krumbles—Whole Wheat Cereal—Krumbles is Kellogg's whole Durum Wheat Food—every single tiny shred is thoroughly toasted. The flavor is delicious." (For a Cereal Breakfast Food.) No. 4,649; Mar. 20; v. 236; p. 888.
- Kellogg Toasted Corn Flake Co., Battle Creek, Mich. "Krumbles—The Strengthening Cereal—Better than any other wheat food, Krumbles gratifies the palate, satisfies the appetite and nourishes the body. Children like Krumbles." (For a Cereal Breakfast Food.) No. 4,650; Mar. 20; v. 236; p. 888.
- Kellogg Toasted Corn Flake Co., Battle Creek, Mich. "Krumbles—A Good Winter Cereal—Krumbles is a strengthening winter cereal for children because of the richness of the Durum Wheat. Try it with hot milk." (For a Cereal Breakfast Food.) No. 4,651; Mar. 20; v. 236; p. 888.
- Kellogg Toasted Corn Flake Co., Battle Creek, Mich. "Ask the American Boy Why He Prefers Kellogg's—These are the flakes that are delicately toasted and thin—the original toasted corn flakes, tender and crisp, with that appetizing 'come to breakfast' flavor you can't mistake or forget." (For a Food, Specifically Toasted Corn Flakes.) No. 4,661; Apr. 10; v. 237; p. 620.
- Kellogg Toasted Corn Flake Co., Battle Creek, Mich. "Be Fair to the Little Folks —, They Are Worth It. In most homes 'nothing is too good for the children' and the little folks enjoy the tender crispness and delicate flavor of Kellogg's—the Original Toasted Corn Flakes. In other homes the motto is 'anything will do for the children'—even the tough, tasteless imitations of Kellogg's." (For Toasted Corn Flakes.) No. 4,671; Apr. 17; v. 237; p. 916.
- Kellogg Toasted Corn Flake Co., Battle Creek, Mich. "Every Helping of Kellogg's Proves How Good Corn Flakes Can Be. Over a thousand-million dishes of Kellogg's Toasted Corn Flakes were eaten last year. No wonder people prefer Kellogg's—the Original. These tender golden flakes are crisp and appetizing, thin delicately toasted, with a flavor tempting to the last spoonful. The right package has this signature: W. K. Kellogg." (For Toasted Corn Flakes.) No. 4,672; Apr. 17; v. 237; p. 916.
- Kellogg Toasted Corn Flake Co., Battle Creek, Mich. "Always ready for Kellogg's Toasted Corn Flakes. Children tire of drinking milk; but the wise mother smiles and pours the milk plentifully into a big bowlful of Kellogg's. Children are always ready for Kellogg's—the original Toasted Corn Flakes,—thin, crisp and appetizing." (For Toasted Corn Flakes.) No. 4,673; Apr. 17; v. 237; p. 916.
- Kellogg Toasted Corn Flake Co., Battle Creek, Mich. "Kellogg's Will Always Maintain Quality. You can be sure of Kellogg's—the Original Toasted Corn Flakes—the Flakes that are delicate and thin. Whatever the time or the tendency, the quality of Kellogg's has our pledge and warranty—the finest Corn Flakes possible to produce." (For Toasted Corn Flakes.) No. 4,702; June 5; v. 239; p. 318.
- Kellogg Toasted Corn Flake Co., Battle Creek, Mich. "Try This Treat Krumbles With Fruit Or Berries. Every home in the land has a hearty welcome for Krumbles—the new whole wheat food, with its delicious flavor, and its high food value at a low price. Children like Krumbles, and it builds them up, because of the extra nutrition of Durum wheat which is rich in protein and mineral salts. Krumbles is appetizing with cream or milk, and a special treat with berries, sliced peaches, or bananas." (For a Cereal Breakfast Food.) No. 4,712; June 26; v. 239; p. 1207.
- Kellogg Toasted Corn Flakes Co., Battle Creek, Mich. "A Serving of Kellogg's For Less Than a Cent. The most delicious things sometimes cost the least. What is there more tempting at breakfast, between meals, or for the evening snack than these delicate thin flakes with their appetizing flavor and the wholesome quality of toasted corn? Keep some packages of Kellogg's—the original Toasted Corn Flakes—always in the cupboard, ready for the call of the healthy, hungry young folks of the family." (For Toasted Corn Flakes.) No. 4,800; Oct. 2; v. 243; p. 239.

- Kellogg Toasted Corn Flakes Co., Battle Creek, Mich. "Help the Food Situation by Eating More Corn. Boys and girls, if you don't know how delicious a food Corn can be, try Kellogg's Toasted Corn Flakes. Patriotic housewives who are seeking foods that are tempting and inexpensive, find that Kellogg's costs less than a penny a serving. Kellogg's are the Flakes that are delicately toasted and thin—the original Toasted Corn Flakes—tender and crisp, with that appetizing flavor you can't mistake or forget." (For Toasted Corn Flakes.) No. 4,801; Oct. 2; v. 243; p. 239.
- King Motor Car Company, Detroit, Mich. "Foursome." (For Automobiles.) No. 4,626; Feb. 20; v. 235; p. 1053.
- Kirkman & Son, Brooklyn, N. Y. "Tobie Pringkens." (For Soap.) No. 4,790; Sept. 11; v. 242; p. 514.
- Kramer, Francis W., Philadelphia, Pa. "Shady Brook Farm." (For Toy Farms.) No. 4,635; Feb. 27; v. 235; p. 1354.
- Krebs, Stanley W., Wayne, Pa. "You Cant Get On Without It." (For Cresbo Crum Catcher, a Device Which Brings Bread-Box, Bread-Board, Place for Knife, and Receptacle to Catch or Save the Crums All Together.) No. 4,657; Mar. 20; v. 236; p. 888.
- Lambert Pharmacal Co., St. Louis, Mo. "Listerine—The Safe Antiseptic." (For Listerine.) No. 4,609; Jan. 30; v. 234; p. 1582.
- Lambert Pharmacal Co., St. Louis, Mo. "Listerine—The Safe Antiseptic Prevents Infection and is a Beneficial Refreshing Lotion After Shaving." (For Listerine.) No. 4,610; Jan. 30; v. 234; p. 1582.
- Lambert Pharmacal Co., St. Louis, Mo. "Listerine—The Safe Antiseptic." (For Listerine.) No. 4,611; Jan. 30; v. 234; p. 1582.
- Lambert Pharmacal Co., St. Louis, Mo. "A Safe Antiseptic for General Family use." (For Listerine.) No. 4,612; Jan. 30; v. 234; p. 1582.
- Lambert Pharmacal Co., St. Louis, Mo. "Listerine." (For Listerine.) No. 4,652; Mar. 20; v. 236; p. 888.
- Lemp Brewing Co., St. Louis, Mo. "Lemp St. Louis." (For Beer.) No. 4,738; Aug. 7; v. 241; p. 299.
- M. Heminway & Sons Silk Co., Watertown, Conn., and New York, N. Y. "Heminway's Crochet Silks." (For Crochet and Embroidery Silks.) No. 4,799; Oct. 2; v. 243; p. 239.
- Maneatagos, George, New York, N. Y. "Rucos Rhemacure." (For Rheumatism Medicine.) No. 4,760; Aug. 21; v. 241; p. 910.
- Marston, Howard F., Dayton, Ohio. "Nite Lite." (For an Apparatus for Illumination.) No. 4,616; Feb. 6; v. 235; p. 322.
- Monitor Stove & Range Co., The, Cincinnati, Ohio. "Furnace Heat For Every Home." (For Pipeless Hot-Air Furnaces.) No. 4,792; Sept. 11; v. 242; p. 514.
- Moorhead Knitting Co., Harrisburg, Pa. "It's a Wise Lad That Listens to Dad And Wears Monito Silk Socks." (For Socks.) No. 4,729; July 31; v. 240; p. 1448.
- Moskowitz, Anton, New York, N. Y. "La Gera." (For Cigars.) No. 4,707; June 19; v. 239; p. 938.
- Mother's Macaroni Company, Minneapolis, Minn. "Creamettes." (For Macaroni.) No. 4,601; Jan. 16; v. 234; p. 1044.
- Mount Union Tanning & Extract Co., Mount Union, Pa. "Greene's Combination Sole." (For Shoe-Soles.) No. 4,730; July 31; v. 240; p. 1448.
- Moxie Co., The, Boston, Mass. "Drink Moxie." (For Moxie.) No. 4,613; Jan. 30; v. 234; p. 1582.
- Moxie Company, The, Boston, Mass. "Drink Moxie." (For a Drink or Beverage.) No. 4,753; Aug. 14; v. 241; p. 621.
- National Biscuit Company, Jersey City, N. J., and New York, N. Y. "Guests are coming." (For Biscuits.) No. 4,602; Jan. 14; v. 234; p. 1044.
- New Orleans Coffee Co., Ltd., New Orleans, La. "New South Pure Sugar Cane Syrup." (For Cane-Syrup.) No. 4,619; Feb. 13; v. 235; p. 694.
- New Orleans Coffee Co. Ltd., New Orleans, La. "Hickory Maple Syrup." (For Maple-Syrup.) No. 4,620; Feb. 13; v. 235; p. 694.
- New Orleans Coffee Co., Ltd., New Orleans, La. "French Market Rice." (For Rice.) No. 4,731; July 31; v. 240; p. 1448.
- New York Mills Corporation, New York Mills, N. Y. "Tub Corduroy." (For Corduroy.) No. 4,697; May 29; v. 238; p. 1638.
- Noglare Auto Lens Co., Portland, Oreg. "Noglare Auto Lens." (For Lenses for Automobile-Lamps.) No. 4,802; Oct. 2; v. 243; p. 239.
- Olson, Emma M., Grand Junction, Colo. "Darn It All." (For a Darning-Last.) No. 4,721; July 10; v. 240; p. 639.
- Osterbauer, Edwin J., Rockford, Ill. "Instant Service." (For Salt and Pepper Sifters.) No. 4,828; Nov. 20; v. 244; p. 816.
- Pabst Brewing Company, Milwaukee, Wis. "Pablo The Happy Hoppy Drink." (For a Non-Intoxicating Beverage.) No. 4,820; Oct. 30; v. 243; p. 1308.
- Peters Manufacturing Co., Boston, Mass., and New York, N. Y. "Art-Reignskin — — — Newest Shoe Artistry." (For Shoe-Cloth.) No. 4,708; June 19; v. 239; p. 938.
- Pilcher Manufacturing Company, J. V., Louisville, Ky. "Pilcher's Automatic Bachelor Button." (For Buttons.) No. 4,605; Jan. 23; v. 234; p. 1310.
- Postum Cereal Company, Battle Creek, Mich. "Health First." (For Postum Cereal.) No. 4,614; Jan. 30; v. 234; p. 1582.
- Postum Cereal Company, Battle Creek, Mich. "There's a Reason." (For Postum Cereal.) No. 4,694; May 22; v. 238; p. 1328.
- Postum Cereal Company, Battle Creek, Mich. "A Happy Suggestion." (For Post Toasties.) No. 4,709; June 19; v. 239; p. 938.
- Postum Cereal Company, Battle Creek, Mich. "There's health in Postum." (For Postum Cereal.) No. 4,829; Nov. 20; v. 244; p. 816.
- Potter Drug & Chemical Corp., Boston, Mass. "Cuticura Soap and Ointment." (For Cuticura Soap and Ointment.) No. 4,615; Jan. 30; v. 234; p. 1582.
- Potter Drug & Chemical Corp., Boston, Mass. "Cuticura Soap and Ointment." (For Cuticura Soap and Ointment.) No. 4,656; Mar. 20; v. 236; p. 888.
- Pratt & Lambert, Inc., Buffalo, N. Y. "'61' Floor Varnish." (For Floor-Varnish.) No. 4,724; July 17; v. 240; p. 940.
- Pratt & Lambert, Inc., Buffalo, N. Y. "Vitalite, The Long Life White Enamel." (For Vitalite Enamel.) No. 4,741; Aug. 7; v. 241; p. 299.
- Pratt & Lambert, Inc., Buffalo, N. Y. "Vitalite, The Long-Life White Enamel." (For Vitalite Enamel.) No. 4,796; Sept. 25; v. 242; p. 991.
- Pratt & Lambert, Inc., Buffalo, N. Y. "'61' Floor Varnish." (For "61" Floor-Varnish.) No. 4,797; Sept. 25; v. 242; p. 991.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Prince Albert answers your smoke appetites demand for quality." (For Smoking-Tobacco.) No. 4,754; Aug. 14; v. 241; p. 621.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "This Christmas pound-of-pleasure jams—quality—joy into his smokes!" (For Smoking-Tobacco.) No. 4,762; Aug. 21; v. 241; p. 910.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "See how this listens to your smokeappetite!" (For Smoking-Tobacco.) No. 4,763; Aug. 21; v. 241; p. 910.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "P. A. quality wins men who smoke for real satisfaction!" (For Smoking-Tobacco.) No. 4,764; Aug. 21; v. 241; p. 910.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Prince Albert has a value coupons or premiums can't produce—quality!" (For Smoking-Tobacco.) No. 4,765; Aug. 21; v. 241; p. 910.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Prince Albert's quality puts you on the express track—and signals full-speed-smoke!" (For Smoking-Tobacco.) No. 4,766; Aug. 21; v. 241; p. 910.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Prince Albert surely proves its quality with each fire up!" (For Smoking-Tobacco.) No. 4,767; Aug. 21; v. 241; p. 910.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Quality makes Prince Albert such a real man-gift!" (For Smoking-Tobacco.) No. 4,768; Aug. 21; v. 241; p. 910.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Prince Albert Certainly Will Bring You Back." (For Smoking-Tobacco.) No. 4,769; Aug. 21; v. 241; p. 910.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Prince Albert tobacco has made three men smoke pipes where one smoked before!" (For Smoking-Tobacco.) No. 4,770; Aug. 21; v. 241; p. 910.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Realize right off the trigger that P. A. is sold on its quality." (For Smoking-Tobacco.) No. 4,771; Aug. 21; v. 241; p. 910.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Prince Albert's quality—gives joy that makes smokers glad they're on the job!" (For Smoking-Tobacco.) No. 4,772; Aug. 21; v. 241; p. 911.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "P. A. quality wins men quick to smoking joy!" (For Smoking-Tobacco.) No. 4,773; Aug. 21; v. 241; p. 911.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Quality makes P. A. the best partner you ever met on smoke trails!" (For Smoking-Tobacco.) No. 4,774; Aug. 21; v. 241; p. 911.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Prince Albert quality hands such a new punch to the joys of smoking." (For Smoking-Tobacco.) No. 4,775; Aug. 21; v. 241; p. 911.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "P. A. quality slips such smoke-gladdness right down the line!" (For Smoking-Tobacco.) No. 4,776; Aug. 21; v. 241; p. 911.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "When you buy Prince Albert you are getting quality!" (For Smoking-Tobacco.) No. 4,777; Aug. 21; v. 241; p. 911.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "P. A. puts a new slant on the sport of smoking!" (For Smoking-Tobacco.) No. 4,778; Aug. 21; v. 241; p. 911.

- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Prince Albert the national joy smoke—Prince Albert's quality puts a new and keener edge on your smoke-appetite—and never tires it!" (For Smoking-Tobacco.) No. 4,779; Aug. 21; v. 241; p. 911.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Quality slips the 'unlimited' sign on P. A. smokes!" (For Smoking-Tobacco.) No. 4,780; Aug. 21; v. 241; p. 911.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "P. A. punches new tobacco notions about quality into the keenest smoke-appetite!" (For Smoking-Tobacco.) No. 4,781; Aug. 21; v. 241; p. 911.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Puff your way into the joys of 'Prince Albert'!" (For Smoking-Tobacco.) No. 4,833; Nov. 27; v. 244; p. 1085.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Dividends of real tobacco happiness for you via." (For Smoking-Tobacco.) No. 4,834; Nov. 27; v. 244; p. 1085.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "If you're out for tobacco quality then fire-up P. A.!" (For Smoking-Tobacco.) No. 4,835; Nov. 27; v. 244; p. 1085.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Why Prince Albert hands smokers such delight?" (For Smoking-Tobacco.) No. 4,836; Nov. 27; v. 244; p. 1085.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "You bet-your-bonnet Prince Albert wins in a walk!" (For Smoking-Tobacco.) No. 4,840; Dec. 25; v. 245; p. 1024.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "You'll want to sign a smoke contract as long as your left arm." (For Smoking-Tobacco.) No. 4,841; Dec. 25; v. 245; p. 1024.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "It's P. A. quality that chases the blight off your smoke career!" (For Smoking-Tobacco.) No. 4,842; Dec. 25; v. 245; p. 1024.
- R. J. Reynolds Tobacco Company, Winston-Salem, N. C. "Prince Albert certainly does wallop the wrinkles out of smoke worries!" (For Smoking-Tobacco.) No. 4,843; Dec. 25; v. 245; p. 1024.
- Rathbone Sard Electric Company, Inc., Albany, N. Y. "Cook by wire." (For Electric Ranges.) No. 4,636; Feb. 27; v. 235; p. 1354.
- Rathbone Sard & Company, Albany, N. Y. "Always Improving." (For Stoves and Ranges.) No. 4,638; May 8; v. 238; p. 648.
- Rathbone Sard & Company, Albany, N. Y. "Always Improving." (For Ranges and Heaters.) No. 4,639; May 8; v. 238; p. 648.
- Rathbone Sard Electric Company, Inc., Albany, N. Y. "Cook By Wire." (For Electric Stoves and Ranges.) Nos. 4,732-3; July 31; v. 240; p. 1448.
- Rathbone Sard Electric Company, Inc., Albany, N. Y. "Cook by Wire." (For Electric Stoves and Ranges.) No. 4,786; Aug. 28; v. 241; p. 1155.
- Renter, C. S., New York, N. Y. "A Seal of Satisfaction." (For Furniture.) No. 4,704; June 5; v. 239; p. 318.
- Reuter, Clifford S., New York, N. Y. "Acorn Brand Quality Furniture." (For Furniture.) No. 4,674; Apr. 17; v. 237; p. 916.
- Rothstein, Isidore, Pittsburgh, Pa. "Mrs. Santa Claus." (For Toys.) No. 4,701; May 29; v. 238; p. 1638.
- Rubber & Celluloid Products Company, Newark, N. J. "Old King Rubberset." (For Brushes.) No. 4,693; May 15; v. 238; p. 981.
- Rubber & Celluloid Products Company, Newark, N. J. "Rubberset The Brush that puts the Pay in Painting." (For Paint-Brushes.) No. 4,761; Aug. 21; v. 241; p. 910.
- S. Sternau & Company, Inc., Brooklyn, N. Y. "Sterno Canned-Heat." (For Canned-Heat and Sterno Kitchenette.) No. 4,678; Apr. 24; v. 237; p. 1217.
- Safety Press Inc., The, New York, N. Y. "Safety Engineering, The Magazine Of Safety—Accident Indicator." (For Safety Engineering Magazine.) No. 4,821; Oct. 30; v. 243; p. 1308.
- Samoset Chocolates Company, The, Boston, Mass. "Samoset." (For Chocolates.) Nos. 4,679-82; Apr. 24; v. 237; p. 1217.
- Sanders, Henry M., Brooklyn, N. Y. "Henrys Cough Buster." (For Coughs and Colds.) No. 4,722; July 10; v. 240; p. 639.
- Seiter & Kappes Lithographing Company, New York, N. Y. "Look for the Band." (For Cigars.) No. 4,662; Apr. 10; v. 237; p. 620.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "For Work Or For Play, the Best Food is Shredded Wheat With Hot Milk." (For Shredded Wheat.) No. 4,637; Feb. 27; v. 235; p. 1354.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "For Daddy, Mother, Brother and Me." (For Shredded Wheat.) No. 4,638; Feb. 27; v. 235; p. 1354.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "For The Home-Maker." (For Cereal Food, and Particularly for Shredded Wheat.) No. 4,663; Apr. 10; v. 237; p. 620.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "For Sturdy Boys And Girls." (For Cereal Food, and Particularly for Shredded Wheat.) No. 4,664; Apr. 10; v. 237; p. 620.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "For The Workers Of The World." (For Cereal Food, and Particularly for Shredded Wheat.) No. 4,665; Apr. 10; v. 237; p. 620.
- Shredded Wheat Company, The, Niagara Falls, N. Y. "For The Desk-Man." (For Cereal Food, and Particularly for Shredded Wheat.) No. 4,666; Apr. 10; v. 237; p. 620.
- Smith, Thomas W., Providence, R. I. "The Easy Slip Tie Holder." (For a Tie-Holder.) No. 4,787; Aug. 28; v. 241; p. 1155.
- Smolowitz, Meyer, New York, N. Y. "Family Cambric." (For Cambric.) No. 4,627; Feb. 20; v. 235; p. 1053.
- Spring Snap Fastener Company, Lynn, Mass. "Nugget Fastener." (For Spring Snap-Fasteners.) No. 4,690; May 8; v. 238; p. 648.
- Stedem Chemical Laboratory, Philadelphia, Pa. "Stedem's Formula Fairmount Weed Killer." (For a Weed-Killing Chemical.) No. 4,698; May 29; v. 238; p. 1638.
- Stetson Shoe Co., The, South Weymouth, Mass. "Here's Something for You." (For Shoes.) No. 4,794; Sept. 25; v. 242; p. 991.
- Swan Process Oil Co., Inc., The, Denver, Colo. "Spoco." (For Automobile-Oil.) No. 4,700; May 29; v. 238; p. 1638.
- Swartz Electric Company, Indianapolis, Ind. "It Saves Mother." (For Individual Electric Power Plants.) No. 4,811; Oct. 16; v. 243; p. 792.
- Taylor, Charles M., Jr., Maple Shade, N. J. "Taylor Butter-Pan." (For Butter-Pans.) No. 4,710; June 19; v. 239; p. 938.
- Thomas, Lake & Whiton, Inc., Boston, Mass. "Polar-Kloth." (For Shoe-Cloth.) No. 4,720; July 10; v. 240; p. 639.
- Tulloss School Company, The, Springfield, Ohio. "The New Way." (For Type-Writing Instruction-Manuals, Shorthand Instruction-Manuals, Business-Letter-Writing Manuals, Bookkeeping Instruction-Manuals, and Commercial-Law Books.) No. 4,628; Feb. 20; v. 235; p. 1053.
- Vivil Company, The, Baltimore, Md. "The Vivil Boy." (For Vivil Candy Tablets.) No. 4,727; July 24; v. 240; p. 1165.
- Vogeler, Henry, Oakland, Cal. "Vogeler Process." (For Honeycombs and Beeswax Scales.) No. 4,734; July 31; v. 240; p. 1448.
- Ward Baking Co., New York, N. Y. "Ward's Tip-Top Bread." (For Bread.) No. 4,705; June 5; v. 239; p. 318.
- Western Grocer Mills, Marshalltown, Iowa. "Chocolate Cream Coffee." (For Coffee.) No. 4,735; July 31; v. 240; p. 1448.
- Wholesome Films Corporation, Chicago, Ill. "Wholesome Films." (For Films for Moving Pictures.) No. 4,830; Nov. 20; v. 244; p. 816.
- Wicker, A. B., Chicago, Ill. "Off The Track But Perfectly Safe On Rubber Tires." (For Rubber Tires for Automobiles.) No. 4,718; June 26; v. 239; p. 1207.
- Wilcox, C. B., Corry, Pa. "Old Hickory Sausage." (For Sausage.) No. 4,812; Oct. 16; v. 243; p. 792.
- Willard Storage Battery Company, The, Cleveland, Ohio. "Battery Display Sign." (For Storage Batteries.) No. 4,803; Oct. 2; v. 243; p. 239.

DISCLAIMERS.

- Abbott, Franklin E., Buffalo, N. Y.; disclaimer filed by the inventor and assignee, Lackawanna Steel Company, Splice-bar. No. 1,152,375; disclaimer filed May 1, 1917; v. 238; p. 653.
- Allison, Daniel K., Cincinnati, Ohio, and B. D. Pinkney, Newport, Ky.; disclaimer filed by assignee, The J. H. Day Company, Cracker-cutting machine. No. 1,112,184; disclaimer filed May 7, 1917; v. 238; p. 653.
- Blessing, John G., Chicago, Ill.; disclaimer filed by assignor, Automatic Electric Company, Automatic telephone switching apparatus. No. 1,145,542; disclaimer filed Dec. 18, 1916; v. 234; p. 377.
- Brand, Samuel, Rockford, Ill.; disclaimer filed by assignee, Barber-Colman Company, Article-positioning means. No. 1,095,977; disclaimer filed June 2, 1917; v. 239; p. 327.
- Buhles, William C., Alameda, Cal.; disclaimer filed by assignee, The Aluminum Seal Company, Closing-machine. No. 1,150,992; disclaimer filed Feb. 7, 1917; v. 235; p. 713.
- Clausen, Henry P., Mount Vernon, N. Y.; disclaimer filed by patentee, with the consent of the assignee, by mesne assignments, Western Electric Company, Incorporated, Call-distributing system. No. 1,192,165; disclaimer filed June 26, 1917; v. 240; p. 645.
- Cochrane, Albert P., New York, N. Y.; disclaimer filed by assignee, Jane Hartley Cochrane, Corner-piece. No. 1,195,910; disclaimer filed Mar. 17, 1917; v. 236; p. 895.
- Down, Thomas M., London, England; disclaimer filed by assignee, Winchester Repeating Arms Co. Bullet for kinema-targets. No. 1,107,593; disclaimer filed Sept. 13, 1917; v. 242; p. 521.
- Finn, William, Bloomfield, N. J.; disclaimer filed by assignee, The Western Union Telegraph Company, Telegraph-repeater. No. 1,160,097; disclaimer filed July 17, 1917; v. 240; p. 945.
- Graf, William, and C. F. Nickel, Baltimore, Md.; disclaimer filed by patentees, Machine for making concrete blocks. No. 1,142,696; disclaimer filed Jan. 22, 1917; v. 234; p. 1584.
- Howard, Henry, Boston, Mass.; disclaimer filed by assignee, General Chemical Co. Making solid sodium bisulfite. No. 1,084,436; disclaimer filed June 20, 1917; v. 240; p. 1.
- Howard, Henry, Boston, Mass.; disclaimer filed by assignee, General Chemical Co. Stable crystalline sodium bisulfite and producing same. No. 1,099,177; disclaimer filed June 20, 1917; v. 240; p. 1.
- Huff, Russell, Detroit, Mich.; disclaimer filed by assignee, Dodge Brothers, Oil-guard. No. 1,207,759; disclaimer filed Oct. 15, 1917; v. 243; p. 1069.
- Jones, William, New York, N. Y.; disclaimer filed by patentee, Apparatus for the production of oxygen and hydrogen gases. No. 1,212,229; disclaimer filed Sept. 1, 1917; v. 242; p. 521.
- Laas, Edward, Elgin, and H. H. Sponenburg, Wadsworth, Ill.; disclaimer filed by assignee, Otto R. Barnett, Railway-rail stay. No. 703,602; disclaimer filed Apr. 9, 1917; v. 237; p. 920.
- Lundie, John, New York, N. Y.; disclaimer filed by patentee, Tie-plate. (Reissue.) No. 14,124; disclaimer filed Jan. 15, 1917; v. 234; p. 1051.
- Mees, Gustav, Dusseldorf, Germany; disclaimer filed by assignees, Westinghouse Electric & Manufacturing Company and The Colonial Trust Company, trustee, Valve-motion for gas-motors. No. 921,864; disclaimer filed Oct. 18, 1917; v. 244; p. 1.
- Miner, William H., Chicago, Ill., Chazy, N. Y.; disclaimer filed by patentee, Tandem-spring draft-rigging for locomotive-tenders. No. 668,656; disclaimer filed May 31, 1917; v. 239; p. 1.
- Murray, Thomas E., New York, N. Y.; disclaimer filed by patentee, Protective switch-box. No. 1,135,130; disclaimer filed Feb. 12, 1917; v. 235; p. 713.
- Neuberger, John, and J. F. Hines, Cleveland, Ohio; disclaimer filed by John Neuberger, Shade and curtain-pole support. No. 1,074,973; disclaimer filed Apr. 28, 1917; v. 238; p. 321.
- Ringland, Albert, and F. H. Schoenfuss, Philadelphia, Pa.; disclaimer filed by assignee, Marlin-Rockwell Corporation, Method of and apparatus for testing hardness. No. 1,125,912; disclaimer filed July 26, 1917; v. 240; p. 1173.
- Scott, David J., Plainfield, N. J.; disclaimer filed by assignee, The Kast Insetting and Gathering Machine Co. Paper folding and stitching machine. No. 1,163,374; disclaimer filed Aug. 15, 1917; v. 241; p. 917.
- Singer, Joseph B., Boston, Mass.; disclaimer filed by patentee, Combined carton and display device. No. 880,410; disclaimer filed July 28, 1917; v. 241; p. 1.
- Smith, Franklin H., Yonkers, N. Y.; disclaimer filed by assignee, Gold Car Heating & Lighting Company, Electric heater. No. 1,040,043; disclaimer filed May 2, 1917; v. 238; p. 653.
- Sulman, Henry L., H. F. Kirkpatrick-Picard, and J. Bal-lot, London, England; disclaimer filed by assignee, Minerals Separation, Limited, Ore concentration. No. 835,120; disclaimer filed Mar. 28, 1916; v. 237; p. 311.
- Treglown, William M., and W. Noble, London, England; disclaimer filed by assignee, Ingersoll-Rand Company, Drilling or boring tool. No. 1,169,582; disclaimer filed June 26, 1917; v. 240; p. 645.
- Weber, August, Sr., A., Jr., and J., Schenectady, N. Y.; disclaimer filed by assignee, Weber Electric Company, Electric-lamp socket. No. 916,812; disclaimer filed Feb. 19, 1917; v. 235; p. 1059.

ALPHABETICAL LIST OF INVENTIONS.

- Abdominal support. E. Lowry. No. 1,245,502; Nov. 6; v. 244; p. 140.
- Abdominal support. J. H. and E. M. Temple. No. 1,250,048; Dec. 11; v. 245; p. 499.
- Abdominal support. J. Woods. No. 1,250,407; Dec. 18; v. 245; p. 646.
- Abdominal support for medical and surgical use. S. A. Walton. No. 1,240,109; Sept. 11; v. 242; p. 467.
- Abrading-machine. J. Halterbeck. No. 1,212,213; Jan. 16; v. 234; p. 694.
- Abrading-machine. J. Halterbeck. No. 1,212,214; Jan. 16; v. 234; p. 694.
- Abrading-machine. R. C. Roberts. No. 1,247,152; Nov. 20; v. 244; p. 664.
- Abrading-machine. W. Sander. No. 1,241,027; Sept. 25; v. 242; p. 825.
- Abrasive, Aluminous. L. E. Saunders and R. H. White. No. 1,247,337; Nov. 20; v. 244; p. 716.
- Abrasive and polishing strip holder. E. J. Maloney. No. 1,220,658; Mar. 27; v. 236; p. 1070.
- Abrasive articles, Making. H. Urtel. No. 1,243,783; Oct. 23; v. 243; p. 835.
- Abrasive-coated material. J. C. Graft. No. 1,217,593; Feb. 27; v. 235; p. 1223.
- Abrasive material, Making. H. T. Kalmus. No. 1,226,892; May 22; v. 238; p. 1081.
- Abrasive wheel. C. R. King. No. 1,235,325; July 31; v. 240; p. 1364.
- Accelerator. E. H. and V. C. Mutz. No. 1,217,875; Feb. 27; v. 235; p. 1317.
- Accelerator and foot-rest, Combined. T. J. Anderson. No. 1,248,592; Dec. 4; v. 245; p. 50.
- Accelerator and system of control. A. J. Hall and L. G. Riley. No. 1,229,443; June 12; v. 239; p. 409.
- Accelerator and system of control. A. J. Hall and L. G. Riley. No. 1,229,446; June 12; v. 239; p. 410.
- Accelerator, Automatic. J. H. Leitch. No. 1,222,874; Apr. 17; v. 237; p. 729.
- Accelerator-controlling mechanism. J. H. Young. No. 1,214,866; Feb. 6; v. 235; p. 132.
- Access-opening. J. E. Blain. No. 1,249,005; Dec. 4; v. 245; p. 168.
- Accordion. R. Carbonari. No. 1,221,026; Apr. 3; v. 237; p. 8.
- Accordion-pleating machine. C. D. Matthews and A. D. Mitchell. No. 1,217,874; Feb. 27; v. 235; p. 1317.
- Accordions, Stop-action for. E. and A. Galizi. No. 1,234,895; July 31; v. 240; p. 1232.
- Account-filing system. W. B. Sewell. No. 1,219,175; Mar. 13; v. 236; p. 485.
- Account-register. S. M. Ratner. No. 1,216,731; Feb. 20; v. 235; p. 880.
- Account register, Credit-. E. T. Silvius. No. 1,238,208; Aug. 28; v. 241; p. 964.
- Account-register leaves, Hinge-back for. T. G. Maxwell. No. 1,236,199; Aug. 7; v. 241; p. 216.
- Account-register, Revolving. J. Leckie. No. 1,218,785; Mar. 13; v. 236; p. 350.
- Account-sheets, Manifold. U. W. Walton. No. 1,248,960; Dec. 4; v. 245; p. 155.
- Accounting and recording machines, Paper-feeding attachment for. J. F. Weedon. No. 1,216,526; Feb. 20; v. 235; p. 809.
- Accounting apparatus. E. Zipper. No. 1,234,851; July 31; v. 240; p. 1217.
- Accounting device. L. L. Story. No. 1,240,621; Sept. 18; v. 242; p. 665.
- Accounting-machine. M. Jacob. No. 1,240,218; Sept. 18; v. 242; p. 542.
- Accounting-machine. J. A. Werner. No. 1,233,528; July 17; v. 240; p. 725.
- Accounting machine, Card-. J. Powers. No. 1,236,481; Aug. 14; v. 241; p. 337.
- Accounting-machines, Automatic total-taking mechanism for. J. Powers. No. 1,245,506; Nov. 6; v. 244; p. 110.
- Accounting record-sheet. J. W. Pennewill. No. 1,227,653; May 29; v. 238; p. 1365.
- Accounting-sheet. S. H. Farnham. No. 1,250,443; Dec. 18; v. 245; p. 656.
- Accounting-sheet. J. W. Pennewill. No. 1,226,111; May 15; v. 238; p. 781.
- Accounting system. W. J. Crumpton. No. 1,237,620; Aug. 21; v. 241; p. 742.
- Accumulator-cell. L. J. Perry. No. 1,239,513; Sept. 11; v. 242; p. 281.
- Accumulator-cell and making the same. H. S. Hawkins. No. 1,246,595; Nov. 13; v. 244; p. 466.
- Acetaldehyde, Making. H. Hibbert and H. A. Morton. No. 1,213,486; Jan. 23; v. 234; p. 1175.
- Acetaldehyde, Making. H. Hibbert and H. A. Morton. No. 1,213,487; Jan. 23; v. 234; p. 1175.
- Acetaldehyde, Preparing. H. Hibbert. No. 1,247,270; Nov. 20; v. 244; p. 697.
- Acetaldehyde, Producing. E. F. Scheller. No. 1,244,901; Oct. 30; v. 243; p. 1212.
- Acetaldehyde, Producing. E. F. Scheller. No. 1,244,902; Oct. 30; v. 243; p. 1212.
- Acetate of lime, Purifying crude. O. T. Zinkeisen. No. 1,213,724; Jan. 23; v. 234; p. 1256.
- Acetic acid, Making. H. Hibbert. No. 1,230,899; June 26; v. 239; p. 967.
- Acetyl cellulose and making the same. W. G. Lindsay. No. 1,236,578; Aug. 14; v. 241; p. 369.
- Acetyl-cellulose plastics, Making. W. G. Lindsay. No. 1,216,581; Feb. 20; v. 235; p. 830.
- Acetyl-cellulose process and product. W. G. Lindsay. No. 1,236,579; Aug. 14; v. 241; p. 370.
- Acetyl-celluloses, Modifying. E. Knoevenagel. No. 1,241,995; Oct. 2; v. 243; p. 168.
- Acetylene-burner. B. Wiener. No. 1,225,383; May 8; v. 238; p. 493.
- Acetylene-generating apparatus. H. H. Mouton. No. 1,220,528; Mar. 27; v. 236; p. 1026.
- Acetylene-generator. A. P. Hagar. No. 1,225,434; May 8; v. 238; p. 510.
- Acetylene-generator. J. Harris. No. 1,237,898; Aug. 21; v. 241; p. 830.
- Acetylene-generator. M. L. Williams. No. 1,224,822; May 1; v. 238; p. 251.
- Acetylene-generator and attachment. H. E. Henwood. No. 1,246,094; Nov. 13; v. 244; p. 314.
- Acetylene-generators, Carbide-feed for. E. M. Rodebaugh. No. 1,221,475; Apr. 3; v. 237; p. 166.
- Acetylene-generators, Carbide-feeding mechanism for. J. Harris. No. 1,234,161; July 24; v. 240; p. 965.
- Acid and alkali testing and indicating device. A. A. Freeman. No. 1,238,123; Aug. 28; v. 241; p. 936.
- Acid, Apparatus for effecting the continuous concentration of sulfuric. S. Dreyfus. No. 1,217,577; Feb. 27; v. 235; p. 1216.
- Acid-collecting apparatus. E. T. Keller. No. 1,247,280; Nov. 20; v. 244; p. 700.
- Acid-concentrating apparatus, Sulfuric-. T. Kilroy. No. 1,211,594; Jan. 9; v. 234; p. 450.
- Acid, Concentrating sulfuric-. J. V. Skoglund. No. 1,232,109; July 3; v. 240; p. 194.
- Acid, Manufacture of hydrochloric. J. B. Garner and H. D. Clayton. No. 1,220,411; Mar. 27; v. 236; p. 985.
- Acid, Manufacture of hydrochloric. A. H. Peter. No. 1,229,509; June 12; v. 239; p. 431.
- Acid, Manufacture of hypochlorous. W. N. Haworth and J. C. Irvine. No. 1,227,049; May 22; v. 238; p. 1135.
- Acid, Manufacturing oxalic. H. C. Reed. No. 1,217,218; Feb. 27; v. 235; p. 1090.
- Acid, Producing sulfuric. P. Farup. No. 1,219,277; Mar. 13; v. 236; p. 519.
- Acid, Purifying acetic. A. Gorhan. No. 1,210,792; Jan. 2; v. 234; p. 143.
- Acid-receptacles, Outlet for. J. J. Dye and W. A. Lucas. No. 1,249,728; Dec. 11; v. 245; p. 406.
- Acids or metallic salts, Eliminating and recovering. H. E. Tiffany. No. 1,226,279; May 15; v. 238; p. 843.
- Acids, Substituted barbituric. W. Hiemenz and L. Taub. No. 1,217,446; Feb. 27; v. 235; p. 1170.
- Acids, Substituted barbituric. W. Hiemenz and L. Taub. No. 1,217,447; Feb. 27; v. 235; p. 1170.
- Acoustic device. R. Whitman. No. 1,223,545; Apr. 24; v. 237; p. 992.
- Acoustic diaphragm. C. F. Cookson. No. 1,246,552; Nov. 13; v. 244; p. 452.
- Acoustic diaphragm. W. W. Young. No. 1,224,102; Apr. 24; v. 237; p. 1184.
- Acoustic multiplier. E. E. Clement. No. 1,216,946; Feb. 20; v. 235; p. 952.
- Actinometer. A. C. Stewart. No. 1,211,781; Jan. 9; v. 234; p. 514.
- Actuating signals on and communicating with trains. H. A. Thompson. No. 1,227,021; May 22; v. 238; p. 1126.
- Adding and listing machine. E. R. Barrett. No. 1,214,000; Jan. 30; v. 234; p. 1381.
- Adding and listing machine. G. Runquist. No. 1,213,268; Jan. 23; v. 234; p. 1099.
- Adding and listing machine. W. F. Sweet. No. 1,245,635; Nov. 6; v. 244; p. 150.
- Adding and listing machine. O. Thieme. No. 1,249,554; Dec. 11; v. 245; p. 355.
- Adding and listing machines, Card-making attachment for. A. S. Trew. No. 1,224,813; May 1; v. 238; p. 247.
- Adding and recording machine. H. Landsiedel. No. 1,225,655; May 8; v. 238; p. 583.
- Adding and recording machine. H. Landsiedel. No. 1,225,656; May 8; v. 238; p. 584.
- Adding and recording machine. H. Landsiedel. No. 1,249,124; Dec. 4; v. 245; p. 201.
- Adding and recording machine. H. Landsiedel. No. 1,249,279; Dec. 4; v. 245; p. 246.

- Adding and sorting machine. H. Goerlitz. No. 1,223,690; Apr. 24; v. 237; p. 1045.
- Adding and subtracting machine. J. F. Anderson. No. 1,248,986; Dec. 4; v. 245; p. 162.
- Adding and subtracting machine. C. W. Gooch. No. 1,246,087; Nov. 13; v. 244; p. 312.
- Adding and subtracting machine. F. W. Rodolf. No. 1,243,224; Oct. 16; v. 243; p. 631.
- Adding and type-writing machine stand. W. L. Gumprecht. No. 1,250,305; Dec. 18; v. 245; p. 615.
- Adding device. M. J. Henoch. No. 1,211,581; Jan. 9; v. 234; p. 446.
- Adding-machine. J. H. Bair. No. 1,210,753; Jan. 2; v. 234; p. 129.
- Adding-machine. R. L. Burd. No. 1,221,829; Apr. 10; v. 237; p. 320.
- Adding-machine. J. A. Cheape. No. 1,242,921; Oct. 16; v. 243; p. 537.
- Adding-machine. P. A. Clark. No. 1,245,437; Nov. 6; v. 244; p. 88.
- Adding-machine. G. Cordts. No. 1,226,064; May 15; v. 238; p. 765.
- Adding-machine. J. L. Dalton. No. 1,225,590; May 8; v. 238; p. 562.
- Adding-machine. B. K. Fisher. No. 1,220,737; Mar. 27; v. 236; p. 1097.
- Adding-machine. H. M. Harrison. No. 1,214,030; Jan. 30; v. 234; p. 1393.
- Adding-machine. A. A. Horton. No. 1,229,461; June 12; v. 239; p. 415.
- Adding-machine. A. A. Horton. No. 1,243,839; Oct. 23; v. 243; p. 853.
- Adding-machine. C. E. James. No. 1,244,335; Oct. 23; v. 243; v. 1002.
- Adding-machine. G. E. Lamb. No. 1,233,066; July 10; v. 240; p. 538.
- Adding-machine. H. Landsiedel. No. 1,225,654; May 8; v. 238; p. 583.
- Adding-machine. W. J. Pasinski. No. 1,222,661; Apr. 17; v. 237; p. 656.
- Adding-machine. F. J. Peterson. No. 1,227,655; May 29; v. 238; p. 1366.
- Adding-machine. W. H. Pike, Jr. No. 1,223,329; Apr. 17; v. 237; p. 881.
- Adding-machine. F. C. Rinsche. No. 1,234,218; July 24; v. 240; p. 983.
- Adding-machine. F. C. Rinsche. No. 1,243,763; Oct. 23; v. 243; p. 829.
- Adding-machine. F. C. Rinsche. No. 1,248,718; Dec. 4; v. 245; p. 86.
- Adding-machine. A. Sprung. No. 1,219,878; Mar. 20; v. 236; p. 759.
- Adding-machine, Keyboard. F. Rauchwetter. No. 1,239,622; Sept. 11; v. 242; p. 316.
- Adding-machine attachment. S. M. Sirmans. No. 1,219,356; Mar. 13; v. 236; p. 546.
- Adding-machine-operating mechanism. H. Landsiedel. No. 1,248,678; Dec. 4; v. 245; p. 74.
- Adding-machines and type-writers, Attachment for. F. H. Montgomery. No. 1,221,568; Apr. 3; v. 237; p. 199.
- Adding-machines, Full-stroke mechanism and overthrow-preventer for. W. J. Pasinski. No. 1,229,508; June 12; v. 239; p. 431.
- Adding-machines, Mechanical movement for. J. P. Hunter and H. Kuntzler. No. 1,225,960; May 15; v. 238; p. 729.
- Adding-machines, Solenoid for driving. F. C. Rinsche. No. 1,226,697; May 22; v. 238; p. 1014.
- Adding or calculating machine attachment. G. H. Thomas. No. 1,246,186; Nov. 13; v. 244; p. 342.
- Adding, recording, and printing machine for service-checks. A. N. E. Boos. No. 1,233,546; July 17; v. 240; p. 731.
- Address-plates, Machine for making. S. Elliott. No. 1,232,666; July 10; v. 240; p. 407.
- Addresser, Automatic office-. U. G. Lee. No. 1,215,040; Feb. 6; v. 235; p. 197.
- Addressing envelops, Manifold device for. F. P. Bonham. No. 1,216,770; Feb. 20; v. 235; p. 894.
- Addressing-machine. J. S. Duncan. No. 1,231,576; July 3; v. 240; p. 12.
- Addressing-machine. S. Elliott. No. 1,210,440; Jan. 2; v. 234; p. 22.
- Addressing-machine. S. Elliott. No. 1,220,734; Mar. 27; v. 236; p. 1096.
- Addressing-machine. J. H. Ford. No. 1,241,946; Oct. 2; v. 243; p. 152.
- Addressing-machines, Safety device for. J. S. Duncan. No. 1,231,577; July 3; v. 240; p. 12.
- Adhesive. G. H. Brabrook. No. 1,244,463; Oct. 30; v. 243; p. 1078.
- Adhesive coatings and applying them to fabrics without the use of solvents, Preparing. J. Meade. No. 1,222,967; Apr. 17; v. 237; p. 760.
- Adhesive matter, Device for applying. H. Ichihara. No. 1,230,409; June 19; v. 239; p. 765.
- Adhesive-plaster container. O. C. Schulz. No. 1,210,546; Jan. 2; v. 234; p. 58.
- Adhesive-plaster container. O. C. Schulz. No. 1,246,830; Nov. 13; v. 244; p. 534.
- Adhesive-spreader. H. G. Francis. No. 1,213,857; Jan. 30; v. 234; p. 1332.
- Adhesive strips, Apparatus for delivering. C. B. Frost. No. 1,235,967; Aug. 7; v. 241; p. 144.
- Adhesive to wrapping-paper, Means for applying. M. Paridon and C. R. Harris. No. 1,217,989; Mar. 6; v. 236; p. 35.
- Adhesives and fibers, Machine for manufacturing material from. J. W. H. Dew. No. 1,241,938; Oct. 2; v. 243; p. 150.
- Adhesives; Manufacturing. W. Alexander. No. 1,237,011; Aug. 14; v. 241; p. 510.
- Adjustable bracket. J. H. Crist and J. C. Schilken. No. 1,231,000; June 26; v. 239; p. 1004.
- Adjustable bracket. W. H. Watrous. No. 1,237,428; Aug. 21; v. 241; p. 681.
- Adjustable chair. H. N. Ault. No. 1,238,078; Aug. 28; v. 241; p. 920.
- Adjustable chair. D. Pepper. No. 1,212,808; Jan. 16; v. 234; p. 907.
- Adjustable chair. G. H. Sautier. No. 1,228,249; May 29; v. 238; p. 1566.
- Adjustable chair. W. Wills. No. 1,237,850; Aug. 21; v. 241; p. 815.
- Adjustable clamp. E. O. Keator. No. 1,226,221; May 15; v. 238; p. 813.
- Adjustable cutter. B. D. Ford. No. 1,218,992; Mar. 13; v. 236; p. 423.
- Adjustable gage. M. Fellows. No. 1,212,134; Jan. 16; v. 234; p. 1018.
- Adjustable-head wrench. J. A. Anderson. No. 1,242,097; Oct. 2; v. 243; p. 199.
- Adjustable rack. W. O. Inami. No. 1,216,321; Feb. 20; v. 235; p. 737.
- Adjustable screen. G. W. Eckert. No. 1,211,560; Jan. 9; v. 234; p. 439.
- Adjustable seat. R. C. Gossett. No. 1,246,261; Nov. 13; v. 244; p. 364.
- Adjustable table. D. B. Miller. No. 1,243,750; Oct. 23; v. 243; p. 825.
- Adjustable wrench. J. T. Auburg. No. 1,249,587; Dec. 11; v. 245; p. 365.
- Adjustable wrench. J. H. Jenner. No. 1,214,473; Jan. 30; v. 234; p. 1542.
- Adjustable wrench. A. P. Jensen. No. 1,234,169; July 24; v. 240; p. 967.
- Adjusting and lifting means. J. Walther. No. 1,218,021; Mar. 6; v. 236; p. 46.
- Adjusting mechanism. C. A. Mankin. No. 1,211,608; Jan. 9; v. 234; p. 455.
- Adjusting mechanism. H. Starker. No. 1,216,745; Feb. 20; v. 235; p. 885.
- Advertising and book-holding apparatus. O. J. Larson. No. 1,240,151; Sept. 11; v. 242; p. 480.
- Advertising apparatus. E. Kluchansky. No. 1,223,887; Apr. 24; v. 237; p. 1113.
- Advertising apparatus. W. Sumner. No. 1,224,232; May 1; v. 238; p. 41.
- Advertising apparatus. S. Wadman. No. 1,230,348; June 19; v. 239; p. 747.
- Advertising apparatus, Automatic. A. A. L. Strömer. No. 1,235,168; July 31; v. 240; p. 1315.
- Advertising apparatus for vehicle-tops. E. A. Campbell. No. 1,224,446; May 1; v. 238; p. 120.
- Advertising apparatus, Illuminated. E. Buhlmann, Jr. No. 1,238,882; Sept. 4; v. 242; p. 51.
- Advertising-card. C. Reese. No. 1,213,015; Jan. 16; v. 234; p. 979.
- Advertising device. W. T. Bamford. No. 1,246,220; Nov. 13; v. 244; p. 352.
- Advertising device. W. G. Billerman. No. 1,224,261; May 1; v. 238; p. 53.
- Advertising device. C. H. Chamberlain and C. E. Best. No. 1,236,907; Aug. 14; v. 241; p. 476.
- Advertising device. P. Compton. No. 1,212,741; Jan. 16; v. 234; p. 885.
- Advertising device. C. T. Fairbanks. No. 1,246,076; Nov. 13; v. 244; p. 308.
- Advertising device. E. S. Jaros. No. 1,239,014; Sept. 4; v. 242; p. 95.
- Advertising device. G. F. Langbeck. No. 1,210,955; Jan. 2; v. 234; p. 200.
- Advertising device. J. P. Loftus. No. 1,213,388; Jan. 23; v. 234; p. 1141.
- Advertising device. J. R. Millward. No. 1,217,979; Mar. 6; v. 236; p. 32.
- Advertising device. B. E. Moreland. No. 1,238,177; Aug. 28; v. 241; p. 954.
- Advertising device. H. V. Sheppard. No. 1,240,379; Sept. 18; v. 242; p. 592.
- Advertising device. E. L. Sons. No. 1,243,354; Oct. 16; v. 243; p. 669.
- Advertising device. M. E. Torrey. No. 1,238,960; Sept. 4; v. 242; p. 77.
- Advertising device and the like. R. M. Gaffney. No. 1,214,534; Feb. 6; v. 235; p. 18.
- Advertising device, Electric. W. C. Gillespie. No. 1,219,933; Mar. 20; v. 236; p. 778.
- Advertising device, Electrical. F. Schneiblé. No. 1,225,865; May 15; v. 238; p. 697.
- Advertising device, Electrically-illuminated. H. Conover. No. 1,244,959; Oct. 30; v. 243; p. 1229.
- Advertising device for cars, Animated. L. A. Molteni. No. 1,219,839; Mar. 20; v. 236; p. 745.
- Advertising device, Revolving. T. F. Stubblefield. No. 1,233,931; July 17; v. 240; p. 855.

- Advertising-kiosk. G. W. Williamson. No. 1,240,637; Sept. 18; v. 242; p. 670.
- Advertising-machine. F. J. P. Kuhlmann. No. 1,251,244; Dec. 25; v. 245; p. 942.
- Advertising-machine. H. E. Phelps, B. T. Kirk, and J. Comstock. No. 1,239,037; Sept. 4; v. 242; p. 101.
- Advertising-machine. D. A. Ritchie. No. 1,232,606; July 10; v. 240; p. 387.
- Advertising-machine. H. M. Wood. No. 1,235,408; July 31; v. 240; p. 1387.
- Advertising novelty. E. Colborne. No. 1,245,872; Nov. 6; v. 244; p. 221.
- Advertising novelty. I. Heidenreich. No. 1,235,799; Aug. 7; v. 241; p. 88.
- Advertising novelty. E. S. Jaros. No. 1,239,013; Sept. 4; v. 242; p. 95.
- Advertising or signaling apparatus. J. P. Naylor. No. 1,222,658; Apr. 17; v. 237; p. 654.
- Advertising-poster. G. C. Murphy. No. 1,237,678; Aug. 21; v. 241; p. 762.
- Advertising vehicle-roof, illuminated. A. Jaminet. No. 1,232,037; July 3; v. 240; p. 169.
- Aerating device. O. Zistel. No. 1,214,637; Feb. 6; v. 235; p. 54.
- Aerator, Hydrocarbon-. W. C. Willard. No. 1,211,263; Jan. 2; v. 234; p. 306.
- Aerial apparatus for defense against hostile aircraft and for other purposes. I. F. Taylor. No. 1,230,881; June 26; v. 239; p. 962.
- Aerial bomb. J. Kovács. No. 1,218,871; Mar. 13; v. 236; p. 383.
- Aerial bomb. M. Mutro. No. 1,234,790; July 31; v. 240; p. 1199.
- Aerial craft, Cargo structure for. J. J. Reynolds and A. H. Jenkins. No. 1,243,556; Oct. 16; v. 243; p. 729.
- Aerial crafts, Means for dropping projectiles from. B. H. Jackson. No. 1,242,553; Oct. 9; v. 243; p. 385.
- Aerial hand-grenade. L. P. Barlow. No. 1,236,012; Aug. 14; v. 241; p. 511.
- Aerial locomotion. C. W. Sirch. No. 1,221,234; Apr. 3; v. 237; p. 82.
- Aerial machine. W. F. Saunt. No. 1,226,599; May 15; v. 238; p. 942.
- Aerial mail-carrier. V. W. Miller. No. 1,242,835; Oct. 9; v. 243; p. 475.
- Aerial mortar. L. P. Barlow. No. 1,235,637; Aug. 7; v. 241; p. 35.
- Aerial or marine propulsion or traction propeller and tractor for use in. S. Diggle. No. 1,246,891; Nov. 20; v. 244; p. 589.
- Aerial photography, Automatic apparatus for. A. B. Baron and C. M. A. Guinard. No. 1,212,884; Jan. 16; v. 234; p. 932.
- Aerial-propeller fastening. C. B. Kirkham. No. 1,246,023; Nov. 6; v. 244; p. 262.
- Aerial propellers and the like, Solidifying and toughening the hub portion of. A. F. Zahm. No. 1,246,029; Nov. 6; v. 244; p. 264.
- Aerial railways, Switching means for. A. H. Strampe. No. 1,242,735; Oct. 9; v. 243; p. 443.
- Aerial torpedo. F. H. Patton. No. 1,241,545; Oct. 2; v. 243; p. 24.
- Aerial tramways, Grip for. F. C. Carstarphen. No. 1,218,373; Mar. 6; v. 236; p. 169.
- Aerial-vehicle control. D. F. Cashman. No. 1,210,418; Jan. 2; v. 234; p. 14.
- Aerial vessel. A. L. Gusey. No. 1,241,623; Oct. 2; v. 243; p. 51.
- Aero-vehicle body. T. B. Slate. No. 1,238,839; Sept. 4; v. 242; p. 39.
- Aerocycle. K. Shotovskiy. No. 1,220,368; Mar. 27; v. 236; p. 970.
- Aerohydro-ship. C. E. Gordon. No. 1,238,907; Sept. 4; v. 242; p. 60.
- Aeronautical apparatus. L. Lewkowicz. No. 1,238,031; Aug. 21; v. 241; p. 873.
- Aeronautical apparatus. H. W. Schmidt. No. 1,245,389; Nov. 6; v. 244; p. 73.
- Aeronautical device. W. S. Howell, Jr. No. 1,232,313; July 3; v. 240; p. 259.
- Aeronautical machine. F. Clark. No. 1,233,982; July 17; v. 240; p. 872.
- Aeronautics. I. E. McCabe. No. 1,227,464; May 22; v. 238; p. 1271.
- Aeroplane. V. Ajello. No. 1,230,641; June 19; v. 239; p. 845.
- Aeroplane. J. W. Barcus. No. 1,215,466; Feb. 13; v. 235; p. 376.
- Aeroplane. L. Béchereau. No. 1,228,390; June 5; v. 239; p. 5.
- Aeroplane. A. Borrás and F. Irlarte. No. 1,216,652; Feb. 20; v. 235; p. 853.
- Aeroplane. E. A. Bullington. No. 1,249,593; Dec. 11; v. 245; p. 366.
- Aeroplane. J. R. Campbell. No. 1,229,410; June 12; v. 239; p. 399.
- Aeroplane. J. Chodakowski. No. 1,238,264; Aug. 28; v. 241; p. 983.
- Aeroplane. G. H. Curtiss. No. 1,246,015; Nov. 6; v. 244; p. 260.
- Aeroplane. C. B., Jr., and L. D. Forward. No. 1,218,387; Mar. 6; v. 236; p. 173.
- Aeroplane. L. L. Fosburgh. No. 1,224,915; May 8; v. 238; p. 333.
- Aeroplane. W. R. Fuller. No. 1,242,540; Oct. 9; v. 243; p. 380.
- Aeroplane. G. A. Furneaux. No. 1,211,131; Jan. 2; v. 234; p. 257.
- Aeroplane. E. F. Gallaudet. No. 1,214,536; Feb. 6; v. 235; p. 20.
- Aeroplane. E. F. Gallaudet. No. 1,219,285; Mar. 13; v. 236; p. 521.
- Aeroplane. R. H. Harris. No. 1,233,227; July 10; v. 240; p. 590.
- Aeroplane. W. A. Henley. No. 1,237,039; Aug. 14; v. 241; p. 520.
- Aeroplane. A. G. Holder, Jr. No. 1,212,954; Jan. 16; v. 234; p. 956.
- Aeroplane. J. W. Ingleton. No. 1,213,377; Jan. 23; v. 234; p. 1138.
- Aeroplane. H. W. Jacobs and R. Emerson. No. 1,245,724; Nov. 6; v. 244; p. 176.
- Aeroplane. D. MacKay. No. 1,215,295; Feb. 6; v. 235; p. 282.
- Aeroplane. R. B. McCann. No. 1,240,070; Sept. 11; v. 242; p. 455.
- Aeroplane. A. Melniczak. No. 1,228,227; May 29; v. 238; p. 1558.
- Aeroplane. A. T. O'Leary. No. 1,246,311; Nov. 13; v. 244; p. 379.
- Aeroplane. K. H. Piesch. No. 1,250,649; Dec. 18; v. 245; p. 717.
- Aeroplane. H. J. M. Rasmussen. No. 1,248,545; Dec. 4; v. 245; p. 34.
- Aeroplane. A. F. Russ. No. 1,227,937; May 29; v. 238; p. 1463.
- Aeroplane. E. L. Russell. No. 1,238,572; Aug. 28; v. 241; p. 1033.
- Aeroplane. R. B. Scroggs. No. 1,250,033; Dec. 11; v. 245; p. 495.
- Aeroplane. O. Shudow. No. 1,228,705; June 5; v. 239; p. 113.
- Aeroplane. G. C. St. Louis. No. 1,233,616; July 17; v. 240; p. 755.
- Aeroplane. M. Stupar. No. 1,220,374; Mar. 27; v. 236; p. 972.
- Aeroplane. F. E. Summers. No. 1,230,620; June 19; v. 239; p. 838.
- Aeroplane. W. F. Williams. No. 1,228,729; June 5; v. 239; p. 121.
- Aeroplane. F. Wondra. No. 1,250,262; Dec. 18; v. 245; p. 602.
- Aeroplane attachment. H. T. McMurray. No. 1,233,084; July 10; v. 240; p. 543.
- Aeroplane, Combined dirigible and hydro. M. Jelalian. No. 1,227,912; May 29; v. 238; p. 1454.
- Aeroplane construction. J. A. Blondin. No. 1,240,812; Sept. 25; v. 242; p. 758.
- Aeroplane construction. F. G. Ericson. No. 1,247,802; Nov. 27; v. 244; p. 885.
- Aeroplane construction and the like. A. P. Christensen. No. 1,244,470; Oct. 30; v. 243; p. 1080.
- Aeroplane-control surface. H. Kleckler. No. 1,246,027; Nov. 6; v. 244; p. 264.
- Aeroplane-controlling mechanism. F. A. Bullington. No. 1,224,357; May 1; v. 238; p. 87.
- Aeroplane-float. M. L. Bristol and H. C. Richardson. No. 1,213,453; Jan. 23; v. 234; p. 1164.
- Aeroplane, Folding-wing. G. H. Curtiss. No. 1,223,317; Apr. 17; v. 237; p. 877.
- Aeroplane furniture. H. Kleckler. No. 1,246,024; Nov. 6; v. 244; p. 263.
- Aeroplane-fuselage structure. W. C. Robinson. No. 1,222,140; Apr. 10; v. 237; p. 429.
- Aeroplane-hangar door. F. W. Dost. No. 1,250,992; Dec. 25; v. 245; p. 870.
- Aeroplane-launching device. F. Zemojtel. No. 1,240,400; Sept. 18; v. 242; p. 598.
- Aeroplane-motor. F. Gretsky. No. 1,245,902; Nov. 6; v. 244; p. 230.
- Aeroplane-motor support. N. W. Dalton. No. 1,246,022; Nov. 6; v. 244; p. 262.
- Aeroplane-propeller. E. Hutchinson. No. 1,237,340; Aug. 21; v. 241; p. 654.
- Aeroplane-propeller. R. Yates. No. 1,250,263; Dec. 18; v. 245; p. 603.
- Aeroplane-rib. W. C. Robinson. No. 1,214,955; Feb. 6; v. 235; p. 166.
- Aeroplane safety appliance. L. Pace. No. 1,229,649; June 12; v. 239; p. 480.
- Aeroplane, Self-stabilizing. F. C. Wright. No. 1,250,749; Dec. 18; v. 245; p. 747.
- Aeroplane, Soaring. J. W. Ruben. No. 1,225,059; May 8; v. 238; p. 382.
- Aeroplane stabilizer or control. N. Terry. No. 1,214,612; Feb. 6; v. 235; p. 45.
- Aeroplane steering or stabilizing device. W. H. McMullen. No. 1,237,072; Aug. 14; v. 241; p. 530.
- Aeroplane-wing. A. F. Russ. No. 1,213,909; Jan. 30; v. 234; p. 1350.
- Aeroplane-wing hinge. H. Kleckler. No. 1,246,028; Nov. 6; v. 244; p. 264.
- Aeroplanes and hydroaeroplanes, Landing device for. T. S. Duncan. No. 1,234,311; July 24; v. 240; p. 1013.
- Aeroplanes and the like, Apparatus for dispelling. M. H. Clarke and D. Maggiora. No. 1,219,703; Mar. 20; v. 236; p. 698.

- Aeroplanes and the like, Landing-chassis or under-carriage of. T. Sopwith. No. 1,239,736; Sept. 11; v. 242; p. 353.
- Aeroplanes, Anemometric regulator for. R. Arnoux. No. 1,217,679; Feb. 27; v. 235; p. 1253.
- Aeroplanes, Apparatus or device to control safe night landing of. C. H. Brockelbank. No. 1,239,155; Sept. 4; v. 242; p. 140.
- Aeroplanes for wireless signaling, Antenna structure on. W. Hahnemann. No. 1,219,550; Mar. 20; v. 236; p. 646.
- Aeroplanes, Incendiary attachment for. L. Nixon. No. 1,237,266; Aug. 14; v. 241; p. 591.
- Aeroplanes, Landing-chassis for. W. C. Robinson. No. 1,240,371; Sept. 18; v. 242; p. 589.
- Aeroplanes, Plane and the like for. A. A. Holle. No. 1,225,711; May 8; v. 238; p. 602.
- Aerotransit. A. C. Freeman, Jr. No. 1,214,150; Jan. 30; v. 234; p. 1431.
- Aging solidified plastic articles, Apparatus for rapidly. D. W. B. Young. No. 1,246,515; Nov. 13; v. 244; p. 441.
- Aging solidified plastic articles, Rapidly. D. W. B. Young. No. 1,250,540; Dec. 18; v. 245; p. 685.
- Agitating device. S. W. Lewis. No. 1,220,862; Mar. 27; v. 236; p. 1140.
- Agitator. S. L. Berry. No. 1,249,002; Dec. 4; v. 245; p. 167.
- Agitator. W. Lindsay. No. 1,242,824; Oct. 9; v. 243; p. 471.
- Agglomerating finely-divided material. H. Rodman. No. 1,239,221; Sept. 4; v. 242; p. 161.
- Agricultural implement. H. B. Rozard. No. 1,238,095; Aug. 28; v. 241; p. 926.
- Agricultural implement. H. S. Dickinson. No. 1,233,760; July 17; v. 240; p. 799.
- Agricultural implement. L. Easton. No. 1,219,444; Mar. 20; v. 236; p. 607.
- Agricultural implement. L. Fannesbeck. No. 1,225,423; May 8; v. 238; p. 507.
- Agricultural implement. C. C. Le Fever. No. 1,250,329; Dec. 18; v. 245; p. 622.
- Agricultural implement. E. C. Gille. No. 1,211,185; Jan. 2; v. 234; p. 259.
- Agricultural implement. J. A. Harris and A. W. Howard. No. 1,235,795; Aug. 7; v. 241; p. 86.
- Agricultural implement. J. M. Malacove. No. 1,212,377; Jan. 16; v. 234; p. 754.
- Agricultural implement. D. Ort. No. 1,237,947; Aug. 21; v. 241; p. 846.
- Agricultural implement. C. A. Peters. No. 1,245,121; Oct. 30; v. 243; p. 1277.
- Agricultural implement. C. E. Sackett. No. 1,211,241; Jan. 2; v. 234; p. 298.
- Agricultural implement. B. Sagen. No. 1,227,938; May 29; v. 238; p. 1464.
- Agricultural implement. B. M. Steele. No. 1,226,920; May 22; v. 238; p. 1091.
- Agricultural implement. G. A. Taylor. No. 1,248,034; Nov. 27; v. 244; p. 948.
- Agricultural implement. J. B. White. No. 1,228,273; May 29; v. 238; p. 1572.
- Agricultural implement, Combination. J. J. Fleming. No. 1,246,577; Nov. 13; v. 244; p. 461.
- Agricultural implement, Convertible. M. E. Jones. No. 1,214,041; Jan. 30; v. 234; p. 1396.
- Agricultural implement for plowing, Power-driven. J. M. Malacove. No. 1,222,647; Apr. 17; v. 237; p. 650.
- Agricultural implements, Guiding mechanism for. C. Esping. No. 1,250,156; Dec. 18; v. 245; p. 569.
- Agricultural implements, Motor-carriage for. A. Tiffany. No. 1,237,975; Aug. 21; v. 241; p. 855.
- Agricultural implements, Mounting the teeth or blades of. L. Willis. No. 1,213,566; Jan. 23; v. 234; p. 1203.
- Agricultural implements, Raising and lowering device for. J. Parker. No. 1,217,995; Mar. 6; v. 236; p. 37.
- Agricultural implements, Tool-shifting mechanism for. C. E. White. No. 1,247,762; Nov. 27; v. 244; p. 872.
- Agricultural machine. F. L. Babcock. No. 1,235,413; July 31; v. 240; p. 1389.
- Agricultural machine. L. Fjelstad. No. 1,214,532; Feb. 6; v. 235; p. 18.
- Agricultural machine. L. P. and U. L. Mathes and C. H. Russell. No. 1,223,818; Apr. 24; v. 237; p. 1089.
- Agricultural tool. E. Senn. No. 1,249,213; Dec. 4; v. 245; p. 227.
- Aileron. A. F. Zahm. No. 1,223,017; Apr. 17; v. 237; p. 777.
- Air accumulator and distributor. Warm. J. L. Brown. No. 1,220,723; Mar. 27; v. 236; p. 1092.
- Air-admission device, Auxiliary. T. N. C. Koressios. No. 1,238,691; Aug. 28; v. 241; p. 1117.
- Air and gas compressor. A. W. H. Griep. No. 1,225,805; May 15; v. 238; p. 677.
- Air and gas mixer. S. Leschziner. No. 1,212,233; Jan. 16; v. 234; p. 701.
- Air and stuffed cushion, Combined. C. W. Meinecke. No. 1,218,291; Mar. 6; v. 236; p. 142.
- Air and temperature modifying means. F. V. Benson, and R. Sandstrom. No. 1,240,656; Sept. 18; v. 242; p. 677.
- Air and vacuum controlling device. H. H. Hess. No. 1,239,440; Sept. 4; v. 242; p. 229.
- Air and water separator. L. S. Deal. No. 1,214,902; Feb. 6; v. 235; p. 146.
- Air, Apparatus for regulating the humidity and temperature of. W. H. Carrier. No. 1,231,705; July 3; v. 240; p. 57.
- Air-bag. F. J. Foote. No. 1,240,433; Sept. 18; v. 242; p. 608.
- Air-blast gate. W. S. Rockwell. No. 1,211,237; Jan. 2; v. 234; p. 297.
- Air-borne ship. Mechanical. G. A. Chaddock. No. 1,229,713; June 12; v. 239; p. 500.
- Air-brake. H. I. Redding. No. 1,248,912; Dec. 4; v. 245; p. 142.
- Air-brake attachment. M. I. Flowers. No. 1,223,267; Apr. 17; v. 237; p. 860.
- Air-brake attachment. M. Henry. No. 1,213,363; Jan. 23; v. 234; p. 1134.
- Air-brake attachment. A. L. Wright. No. 1,238,375; Aug. 28; v. 241; p. 1018.
- Air-brake, Automatic. B. W. Lundy and J. V. Giddins. No. 1,247,121; Nov. 20; v. 244; p. 655.
- Air-brake-control valve. J. R. Snyder. No. 1,212,829; Jan. 16; v. 234; p. 913.
- Air-brake-controlling mechanism. T. W. Scott. No. 1,240,796; Sept. 18; v. 242; p. 720.
- Air-brake couplng. M. A. Brown. No. 1,232,204; July 3; v. 240; p. 224.
- Air-brake for locomotive-cranes. B. Mullin. No. 1,221,079; Apr. 3; v. 237; p. 27.
- Air-brake-operating mechanism. W. C. Renshaw. No. 1,216,841; Feb. 20; v. 235; p. 917.
- Air-brake safety-valve. M. H. Ryan. No. 1,229,325; June 12; v. 239; p. 370.
- Air-brake stop. E. V. Palmquist and H. G. Lundquist. No. 1,230,767; June 19; v. 239; p. 885.
- Air-brake system. F. H. Dukesmith. No. 1,217,580; Feb. 27; v. 235; p. 1217.
- Air-brake system. W. J. Fried. No. 1,243,727; Oct. 23; v. 243; p. 816.
- Air-brake system. F. E. Schallock. No. 1,250,361; Dec. 18; v. 245; p. 631.
- Air-brake system. J. R. Snyder. No. 1,231,081; June 26; v. 239; p. 1031.
- Air-brake systems, Safety attachment for. E. Arrington. No. 1,232,475; July 10; v. 240; p. 346.
- Air-brake valve, Safety. W. S. Ingram. No. 1,212,955; Jan. 16; v. 234; p. 956.
- Air-brakes, Booster-valve for. W. V. Turner. No. 1,221,926; Apr. 10; v. 237; p. 356.
- Air-brakes, Electro-pneumatic valve for. T. W. Scott. No. 1,230,083; June 12; v. 239; p. 620.
- Air-brakes, Straight-air mechanism for. W. C. Webster. No. 1,244,804; Oct. 30; v. 243; p. 1181.
- Air-brake systems, Air-tester for. W. W. Pearce. No. 1,216,723; Feb. 20; v. 235; p. 877.
- Air, Carbureting. T. D. Bottomo. No. 1,230,101; June 19; v. 239; p. 664.
- Air-carbureting apparatus. F. W. O. Boeckem. No. 1,246,704; Nov. 13; v. 244; p. 497.
- Air-carbureting apparatus. C. N. Gray. No. 1,239,098; Sept. 4; v. 242; p. 121.
- Air-circulating device. W. M. McEwen. No. 1,214,199; Jan. 30; v. 234; p. 1448.
- Air cleaning and heating apparatus. W. F. Cox. No. 1,233,555; July 17; v. 240; p. 734.
- Air-compressing and shock-absorbing system for vehicles. R. G. Spink. No. 1,247,465; Nov. 20; v. 244; p. 753.
- Air-compressing apparatus. S. G. Skinner. No. 1,213,780; Jan. 23; v. 234; p. 1274.
- Air-compressor. W. F. Blanchet. No. 1,221,131; Apr. 3; v. 237; p. 45.
- Air-compressor. H. Bolthoff. No. 1,246,801; Nov. 13; v. 244; p. 526.
- Air-compressor. E. J. Brown. No. 1,232,202; July 3; v. 240; p. 223.
- Air-compressor. V. J. Guthrie. No. 1,226,328; May 15; v. 238; p. 858.
- Air-compressor. F. D. Holdsworth. No. 1,248,119; Nov. 27; v. 244; p. 972.
- Air-compressor. F. D. Holdsworth. No. 1,248,120; Nov. 27; v. 244; p. 973.
- Air-compressor. G. T. Kennedy. No. 1,238,683; Aug. 28; v. 241; p. 1115.
- Air-compressor. C. V. Kerr. No. 1,233,275; July 10; v. 240; p. 604.
- Air-compressor. W. Reavell. No. 1,242,040; Oct. 2; v. 243; p. 181.
- Air-compressor. W. E. Ver Planck. No. 1,245,643; Nov. 6; v. 244; p. 152.
- Air-compressor. C. W. Weiss. No. 1,219,511; Mar. 20; v. 236; p. 630.
- Air-compressor and motor. A. Reall. No. 1,230,219; June 19; v. 239; p. 704.
- Air-compressor, Hydraulic. K. Dougan. No. 1,249,921; Dec. 11; v. 245; p. 464.
- Air-compressor, Rotary. P. L. Hibner. No. 1,242,692; Oct. 9; v. 243; p. 430.
- Air-compressor, Steam-driven. D. A. Reagen. No. 1,215,192; Feb. 6; v. 235; p. 247.
- Air-compressors, Air-strainer for. N. T. Cline. No. 1,233,844; July 17; v. 240; p. 827.
- Air-compressors, &c., Mechanism for operating. I. E. Brown. No. 1,243,586; Oct. 16; v. 243; p. 738.

Alphabetical list of inventions—Continued.

- Air-compressors, Unloader for. W. H. Callan and G. J. MacFadden. No. 1,224,272; May 1; v. 238; p. 56.
- Air-compressors, Unloading device for. W. H. Wineman. No. 1,248,740; Dec. 4; v. 245; p. 93.
- Air-conditioning apparatus. H. Bentz. No. 1,218,045; Mar. 6; v. 236; p. 55.
- Air-conditioning-apparatus regulator. S. W. Cramer and W. B. Hodge. No. 1,231,570; July 3; v. 240; p. 10.
- Air controller and heater. Auxiliary. J. F. Keegan and R. D. Wright. No. 1,238,523; Aug. 28; v. 241; p. 1067.
- Air-cooling device. W. H. Thomas. No. 1,213,782; Jan. 23; v. 234; p. 1275.
- Air-coupling. J. G. Coffield. No. 1,221,682; Apr. 3; v. 237; p. 236.
- Air-currents, Means for producing. H. M. Scheibe. No. 1,224,218; May 1; v. 238; p. 36.
- Air cut-off, Automatic. J. G. Lundholm. No. 1,211,731; Jan. 9; v. 234; p. 496.
- Air-deflector. H. R. Gregory. No. 1,221,533; Apr. 3; v. 237; p. 187.
- Air-dispensing means. S. D. Black and A. G. Decker. No. 1,247,623; Nov. 27; v. 244; p. 829.
- Air-eliminator. W. J. Burkart. No. 1,247,218; Nov. 20; v. 244; p. 683.
- Air exhaust and compressor, Hydraulic motor-driven. S. M. Stone. No. 1,219,184; Mar. 13; v. 236; p. 488.
- Air-gas plants, Means for controlling the operation of. J. T. Graham. No. 1,243,509; Oct. 16; v. 243; p. 716.
- Air-heater. W. N. Best. No. 1,231,117; June 26; v. 239; p. 1044.
- Air-heater. W. D. Fleming. No. 1,213,178; Jan. 23; v. 234; p. 1067.
- Air-heater. P. Russell, F. J. Sepas, and E. B. Wilford. No. 1,227,324; May 22; v. 238; p. 1228.
- Air heater and drier. H. B. Hudepohl. No. 1,221,328; Apr. 3; v. 237; p. 115.
- Air-heater, Electric. C. O. Bergstrom. No. 1,235,761; Aug. 7; v. 241; p. 75.
- Air-heating furnace. B. S. Sheridan. No. 1,242,992; Oct. 16; v. 243; p. 559.
- Air-heating system, Electric. E. J. Smith. No. 1,217,229; Feb. 27; v. 235; p. 1093.
- Air-inlet device, Auxiliary. L. M. York. No. 1,250,409; Dec. 18; v. 245; p. 646.
- Air-intake. S. C. Crockett. No. 1,212,745; Jan. 16; v. 234; p. 886.
- Air-line-pipe connection. L. Steidle. No. 1,221,240; Apr. 3; v. 237; p. 84.
- Air-mediator, Electric, (Capillary-action type.) F. C. Doument. No. 1,246,247; Nov. 13; v. 244 p. 360.
- Air, Method and apparatus for treating. W. T. Hoofnagle. No. 1,243,524; Oct. 16; v. 243; p. 720.
- Air-moistener. R. W. Hardie. No. 1,239,908; Sept. 11; v. 242; p. 409.
- Air-moistener. W. Wyand. No. 1,228,157; May 29; v. 238; p. 1536.
- Air-moistener for steam-containers. J. A. Clark and C. H. Coon. No. 1,247,375; Nov. 20; v. 244; p. 726.
- Air-moistening apparatus. F. W. Masek. No. 1,228,801; June 5; v. 239; p. 146.
- Air-moistening device. O. I. Shaver. No. 1,225,684; May 8; v. 238; p. 593.
- Air-motor. M. Clark. No. 1,230,995; June 26; v. 239; p. 1001.
- Air or other gas, Apparatus for conditioning. B. R. Andrews. No. 1,214,114; Jan. 30; v. 234; p. 1420.
- Air-ozonizing machine. A. Peterson. No. 1,239,515; Sept. 11; v. 242; p. 282.
- Air-pipe coupling, Automatic. H. Currier. No. 1,224,611; May 1; v. 238; p. 177.
- Air plate and sewer-gas check, Combined fresh-. F. N. Rowan. No. 1,214,374; Jan. 30; v. 234; p. 1511.
- Air-pressure gage. S. S. Benson. No. 1,238,249; Aug. 28; v. 241; p. 978.
- Air-pressure-limiting device. J. H. Mitchell. No. 1,233,594; July 17; v. 240; p. 748.
- Air-proof composition. W. O. Fleckner. No. 1,212,925; Jan. 16; v. 234; p. 946.
- Air-propeller. T. B. Slate. No. 1,238,838; Sept. 4; v. 242; p. 38.
- Air purifier and humidifier. M. Dickerson. No. 1,248,631; Dec. 4; v. 245; p. 61.
- Air, Purifying and humidifying. A. W. Lissauer. No. 1,245,247; Nov. 6; v. 244; p. 32.
- Air-purifying and ventilating device. W. D. Doty. No. 1,219,811; Mar. 20; v. 236; p. 735.
- Air-purifying and ventilating device. W. D. Doty. No. 1,232,511; July 10; v. 240; p. 358.
- Air-spring. L. R. Gruss. No. 1,216,254; Feb. 13; v. 235; p. 661.
- Air-spring, Automatic. R. Liebau. No. 1,250,475; Dec. 18; v. 245; p. 665.
- Air-spring, Variable-load. R. Liebau. No. 1,218,875; Mar. 13; v. 236; p. 384.
- Air tank, Compressed-. M. B. Barkman. No. 1,250,078; Dec. 11; v. 245; p. 507.
- Air to certain light-rays, Machine for subjecting. E. M. Markel. No. 1,249,982; Dec. 11; v. 245; p. 480.
- Air to intake-manifolds, Means for admitting. W. C. Althen. No. 1,234,253; July 24; v. 240; p. 995.
- Air, Treating and simultaneously sterilizing. R. P. Van Calcar, J. Ellerman, and H. J. Martijn. No. 1,215,222; Feb. 6; v. 235; p. 258.
- Air-treating system and apparatus. F. White. No. 1,223,331; Apr. 17; v. 237; p. 881.
- Air washer, Compressed-. B. C. Donham. No. 1,222,541; Apr. 10; v. 237; p. 572.
- Air-washing apparatus. C. H. Bicalky. No. 1,225,696; May 8; v. 238; p. 597.
- Aircraft. J. P. Tarbox. No. 1,230,443; June 19; v. 239; p. 777.
- Aircraft, Air-pressure-maintenance chamber for. J. J. Reynolds. No. 1,243,557; Oct. 16; v. 243; p. 729.
- Aircraft, Balancing system for. G. H. Curtiss and H. Kleckler. No. 1,246,013; Nov. 6; v. 244; p. 259.
- Aircraft-balancing system. J. P. Tarbox. No. 1,239,636; Sept. 11; v. 242; p. 320.
- Aircraft-covering material and making same. W. G. Clark. No. 1,243,041; Oct. 16; v. 243; p. 576.
- Aircraft, Destroying. J. A. Steinmetz. No. 1,217,657; Feb. 27; v. 235; p. 1247.
- Aircraft-guns, Wind-screen for use with. T. O. M. Sopwith. No. 1,249,535; Dec. 11; v. 245; p. 350.
- Aircraft, Illuminating device for use on. H. E. S. Holt. No. 1,227,441; May 22; v. 238; p. 1263.
- Aircraft, Landing-gear for. G. H. Curtiss. No. 1,223,315; Apr. 17; v. 237; p. 876.
- Aircraft, Landing-gear for. G. H. Curtiss. No. 1,246,020; Nov. 6; v. 244; p. 261.
- Aircraft, Making covering material for. W. G. Clark. No. 1,243,654; Oct. 16; v. 243; p. 759.
- Aircraft, Making covering material for. W. G. Clark. No. 1,243,655; Oct. 16; v. 243; p. 759.
- Aircraft, Method and system for operating rudders of. G. H. Curtiss. No. 1,228,380; May 29; v. 238; p. 1608.
- Aircraft-propeller. F. H. Royce. No. 1,223,330; Apr. 17; v. 237; p. 881.
- Aircraft-propeller. J. H. Smyth. No. 1,243,885; Oct. 23; v. 243; p. 868.
- Aircraft, Range-finder and speed-indicator for. C. D. Miller. No. 1,235,909; Aug. 7; v. 241; p. 124.
- Aircraft. Stabilization of. C. A. Johansson. No. 1,223,698; Apr. 24; v. 237; p. 1047.
- Aircraft, Standard of position for. R. Wood. No. 1,237,734; Aug. 21; v. 241; p. 780.
- Airship. I. Andersson. No. 1,250,124; Dec. 18; v. 245; p. 560.
- Airship. J. M. Butcher. No. 1,242,766; Oct. 9; v. 243; p. 453.
- Airship. W. J. De La Mare. No. 1,221,841; Apr. 10; v. 237; p. 325.
- Airship. P. L. Eddy. No. 1,222,939; Apr. 17; v. 237; p. 749.
- Airship. A. Extrand. No. 1,221,430; Apr. 3; v. 237; p. 151.
- Airship. A. Fernandez. No. 1,237,888; Aug. 21; v. 241; p. 827.
- Airship. T. M. Finley. No. 1,233,210; July 10; v. 240; p. 585.
- Airship. J. Flink. No. 1,237,318; Aug. 21; v. 241; p. 645.
- Airship. A. H. S. Landor. No. 1,239,796; Sept. 11; v. 242; p. 372.
- Airship. T. R. Macmechen and W. V. Kamp. No. 1,219,122; Mar. 13; v. 236; p. 467.
- Airship. T. R. Macmechen and W. V. Kamp. No. 1,219,123; Mar. 13; v. 236; p. 467.
- Airship. T. R. Macmechen and W. V. Kamp. No. 1,219,124; Mar. 13; v. 236; p. 468.
- Airship. T. R. Macmechen and W. V. Kamp. No. 1,219,125; Mar. 13; v. 236; p. 468.
- Airship. T. R. Macmechen and W. V. Kamp. No. 1,235,988; Aug. 7; v. 241; p. 150.
- Airship. T. R. Macmechen and W. V. Kamp. No. 1,236,961; Aug. 14; v. 241; p. 495.
- Airship. T. R. Macmechen and W. V. Kamp. No. 1,238,315; Aug. 28; v. 241; p. 1000.
- Airship. T. R. Macmechen and W. V. Kamp. No. 1,238,316; Aug. 28; v. 241; p. 1000.
- Airship. J. W. Oman. No. 1,227,650; May 29; v. 238; p. 1364.
- Airship. C. Peterson. No. 1,218,456; Mar. 6; v. 236; p. 196.
- Airship. P. J. Prokop. No. 1,244,367; Oct. 23; v. 243; p. 1010.
- Airship. J. C. Schleicher. No. 1,232,614; July 10; v. 240; p. 390.
- Airship. M. Singelmann. No. 1,217,518; Feb. 27; v. 235; p. 1197.
- Airship. E. L. Sons. No. 1,238,451; Aug. 28; v. 241; p. 1044.
- Airship. J. B. Stage. No. 1,233,820; July 17; v. 240; p. 818.
- Airship. I. I. Zipperstein and A. C. Kaplan. No. 1,228,159; May 29; v. 238; p. 1536.
- Airship for military purposes, Dirigible. M. Jelallan. No. 1,241,219; Sept. 25; v. 242; p. 885.
- Airship-engine release. A. Fernandez. No. 1,237,889; Aug. 21; v. 241; p. 827.
- Airship or dirigible balloon. T. R. Macmechen and E. M. Fox. No. 1,219,121; Mar. 13; v. 236; p. 467.
- Airship-propeller. J. C. Schleicher. No. 1,233,610; July 17; v. 240; p. 754.
- Airship-shed, Rotatable. C. Dornier. No. 1,241,720; Oct. 2; v. 243; p. 81.
- Airship turn-table. J. T., J. A., and R. A. Rice. No. 1,247,010; Nov. 20; v. 244; p. 623.

- Airships and flying-machines, Telescope-sight for. O. Grauhedding. No. 1,217,169; Feb. 27; v. 235; p. 1074.
- Airships, Steering and propelling means for dirigible. R. R. Waterman. No. 1,222,499; Apr. 10; v. 237; p. 557.
- Alarm: *Sec—*
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| Automatic alarm. | Grain-bin alarm. |
| Automobile alarm. | Incubator alarm. |
| Automobile-thief alarm. | Indicator alarm. |
| Bilge-water alarm. | Low-water alarm. |
| Burglar alarm. | Railway-crossing alarm. |
| Burglar and fire alarm. | Rain alarm. |
| Burglary alarm. | Safe alarm. |
| Car alarm. | Thermostatic alarm. |
| Electric alarm. | Time and burglar alarm. |
| Engine alarm. | Tire-leak alarm. |
| Fire alarm. | Vehicle audible alarm. |
| Fire and burglar alarm. | Water-level alarm. |
| Fire and rain alarm. | |
| Fire and temperature alarm. | |
- Alarm. D. B. Shepp. No. 1,240,889; Sept. 25; v. 242; p. 782.
- Alarm apparatus. L. B. Davis. No. 1,229,723; June 12; v. 239; p. 503.
- Alarm apparatus. F. A. Lelless and J. M. Nangle. No. 1,240,662; Sept. 11; v. 242; p. 453.
- Alarm-box. C. A. Mahla. No. 1,218,198; Mar. 6; v. 236; p. 108.
- Alarm device. E. Anfero. (Reissue.) No. 14,378; Oct. 23; v. 243; p. 1036.
- Alarm device. L. P. Dixon. No. 1,225,940; May 15; v. 238; p. 723.
- Alarm device. H. H. Welch. No. 1,232,444; July 3; v. 240; p. 300.
- Alarm-glass. H. K. Hitchcock. No. 1,223,583; Apr. 24; v. 237; p. 1004.
- Alarm or signal apparatus. I. E. Stump. No. 1,221,920; Apr. 10; v. 237; p. 353.
- Alarm signaling device. G. F. Long. No. 1,242,957; Oct. 16; v. 243; p. 548.
- Alarm system. C. A. Kallnbach. No. 1,212,958; Jan. 16; v. 234; p. 958.
- Alarm system. J. H. Safford. No. 1,241,888; Oct. 2; v. 243; p. 135.
- Alarm system, Automatic. B. Ulferts. No. 1,211,644; Jan. 9; v. 234; p. 467.
- Alarm system, Centrally-controlled general-. F. W. Wood. No. 1,220,484; Mar. 27; v. 236; p. 1011.
- Alarm system, Pneumatic. F. T. Gracey and T. W. Lander. No. 1,219,723; Mar. 20; v. 236; p. 705.
- Album. J. C. Dawson. No. 1,232,898; July 10; v. 240; p. 485.
- Alcohol burners, Stand for solid-. H. P. Ball. No. 1,238,081; Aug. 28; v. 241; p. 921.
- Alcohol by hydrogenation, Producing. A. Brochet. No. 1,247,629; Nov. 27; v. 244; p. 831.
- Alcohol-extractor for brew-kettles. B. H. Hubbert. No. 1,250,884; Dec. 18; v. 245; p. 787.
- Alcohol from liquors, Removing. R. H. Pfugfelder. No. 1,249,480; Dec. 11; v. 245; p. 335.
- Alcohols, Manufacture of. B. T. Brooks and H. Essex. No. 1,221,667; Apr. 3; v. 237; p. 230.
- Alcohols, Manufacturing polyvalent. O. Matter. No. 1,237,076; Aug. 14; v. 241; p. 531.
- Aldehydes and phenols, Manufacture of hard compositions of matter from. K. Tarassoff. No. 1,216,516; Feb. 20; v. 235; p. 806.
- Aldol, Making. N. Grünstein. No. 1,234,156; July 24; v. 240; p. 964.
- Aldol, Manufacture of. W. Herrmann and M. Mugdan. No. 1,220,746; Mar. 27; v. 236; p. 1100.
- Alidade, Navigator's. A. Lietz. No. 1,218,422; Mar. 6; v. 236; p. 185.
- Alimentary pastes, Apparatus for the manufacture of stuffed. V. Tommasini. No. 1,236,998; Aug. 14; v. 241; p. 506.
- Alimentary pastes, Apparatus for treating. P. Barducci. No. 1,232,178; July 3; v. 240; p. 216.
- Alimentary products, Manufacture of. J. F. Desmarais. No. 1,220,205; Mar. 27; v. 236; p. 911.
- Alkali and alkaline-earth metal sulfids, Manufacture of. H. Specketer and W. Hofmann. No. 1,212,702; Jan. 16; v. 234; p. 872.
- Alkali-earth metals, Obtaining. W. M. Grosvenor. No. 1,239,178; Sept. 4; v. 242; p. 146.
- Alkali-metal percarbonate, Manufacturing. A. Schaldhauf. No. 1,225,722; May 8; v. 238; p. 606.
- Alkali perborates, Electrolytic process of making. O. Liebknecht. No. 1,235,904; Aug. 7; v. 241; p. 123.
- Alkali perborates, Electrolytic process of making. O. Liebknecht. No. 1,235,905; Aug. 7; v. 241; p. 123.
- Alkali percarbonates, Manufacturing. O. Liebknecht. No. 1,225,832; May 15; v. 238; p. 686.
- Alkali percarbonates stable, Rendering. A. Schaldhauf. No. 1,225,872; May 15; v. 238; p. 699.
- Alkali, Recovery of. J. S. Beckett. No. 1,247,619; Nov. 27; v. 244; p. 828.
- Alkalis from cement materials, Recovering. S. B. Newberry. No. 1,239,616; Sept. 11; v. 242; p. 314.
- Alkalis from kelp, Producing. H. L. Trumbull. No. 1,238,600; Aug. 28; v. 241; p. 1091.
- Alkaline aluminate solutions, Cooling apparatus for. R. S. Sherwin. No. 1,251,295; Dec. 25; v. 245; p. 958.
- Alkaline deposits, Recovering borax from. L. C. Jones and F. L. Grover. No. 1,215,545; Feb. 13; v. 235; p. 406.
- Alkaline deposits, Recovering constituents of value from. L. C. Jones and F. L. Grover. No. 1,215,543; Feb. 13; v. 235; p. 405.
- Alkaline deposits, Recovering constituents of value from natural. J. D. Pennock, L. C. Jones, and F. L. Grover. No. 1,215,574; Feb. 13; v. 235; p. 418.
- Alkaline deposits, Recovering constituents of value from natural. J. D. Pennock, L. C. Jones, and F. L. Grover. No. 1,215,575; Feb. 13; v. 235; p. 419.
- Alkaline deposits, Recovering potassium chlorid from. L. C. Jones and F. L. Grover. No. 1,215,544; Feb. 13; v. 235; p. 406.
- Alkaline-earth-metal compounds, Producing. F. W. Huber and B. W. Poindexter, Jr. No. 1,213,375; Jan. 23; v. 234; p. 1137.
- Alkaloidal compound. J. U. Lloyd. No. 1,250,331; Dec. 18; v. 245; p. 622.
- Alkylarylamine production. G. T. Morgan. No. 1,221,077; Apr. 3; v. 237; p. 26.
- Alligator-wrench, Adjustable. L. Marsh. No. 1,226,351; May 15; v. 238; p. 865.
- Alloy. F. M. Becket. No. 1,245,552; Nov. 6; v. 244; p. 125.
- Alloy. J. Churchward. No. 1,251,341; Dec. 25; v. 245; p. 972.
- Alloy. H. S. Cooper. No. 1,221,769; Apr. 3; v. 237; p. 266.
- Alloy, Aluminum. W. A. McAdams. No. 1,212,374; Jan. 16; v. 234; p. 753.
- Alloy, Aluminum. W. A. McAdams. No. 1,247,977; Nov. 27; v. 244; p. 934.
- Alloy and article made therefrom, Aluminum. A. W. Morris. No. 1,227,174; May 22; v. 238; p. 1179.
- Alloy and making the same, Aluminum-calcium. H. S. Cooper. No. 1,224,362; May 1; v. 238; p. 90.
- Alloy and producing the same. J. B. Grenagle. No. 1,248,648; Dec. 4; v. 245; p. 65.
- Alloy, Commutator-section of cast. H. K. Sandell. No. 1,248,924; Dec. 4; v. 245; p. 145.
- Alloy containing iron, cobalt, and silicon. F. M. Becket. No. 1,247,206; Nov. 20; v. 244; p. 680.
- Alloy, Copper-lead. E. D. Gleason. No. 1,228,017; May 29; v. 238; p. 1490.
- Alloy, Ferro-uranium. R. M. Keeney and L. F. Vogt. No. 1,240,054; Sept. 11; v. 242; p. 451.
- Alloy, High-speed-tool-steel. R. Furness. No. 1,233,862; July 17; v. 240; p. 833.
- Alloy, Iron. F. C. T. Daniels. No. 1,211,826; Jan. 9; v. 234; p. 531.
- Alloy, Iron. J. M. Flannery. No. 1,247,252; Nov. 20; v. 244; p. 693.
- Alloy, Metal. H. S. Cooper. No. 1,229,037; June 5; v. 239; p. 223.
- Alloy, Metal. H. S. Cooper. No. 1,248,621; Dec. 4; v. 245; p. 58.
- Alloy, Nickel-uranium. R. M. Keeney and L. F. Vogt. No. 1,240,055; Sept. 11; v. 242; p. 451.
- Alloy of tungsten and molybdenum. F. A. Fahrenwald. No. 1,236,384; Aug. 7; v. 241; p. 271.
- Alloy products and manufacture of same, German-silver-. R. Beck. No. 1,227,569; May 29; v. 238; p. 1337.
- Alloy roll-steel. F. D. Taggart. No. 1,213,973; Jan. 30; v. 234; p. 1371.
- Alloy, White metal. H. K. Sandell. No. 1,248,925; Dec. 4; v. 245; p. 145.
- Alloys, Forming high-percentage tungsten. H. Goldschmidt and O. Weil. No. 1,235,969; Aug. 7; v. 241; p. 144.
- Alloys, Making. I. Ladoff. No. 1,221,874; Apr. 10; v. 237; p. 335.
- Alloys, Making low-carbon manganese. E. Humbert. No. 1,228,925; June 5; v. 239; p. 186.
- Alloys, Making metallic. H. Eldridge. No. 1,246,571; Nov. 13; v. 244; p. 459.
- Alloys, Producing. I. Ladoff. No. 1,221,873; Apr. 10; v. 237; p. 335.
- Alloys, Producing metallic. M. A. Rebert. No. 1,215,857; Feb. 13; v. 235; p. 519.
- Alloying qualities of manganese with brass and bronze, Improving the. R. Goldschmidt and O. Weil. No. 1,214,539; Feb. 6; v. 235; p. 21.
- Alloys, Treating. H. E. Cleaves. No. 1,235,655; Aug. 7; v. 241; p. 41.
- Almond-huller. F. L. Martenette. No. 1,230,001; June 12; v. 239; p. 593.
- Almond-huller. E. A. Roberts. No. 1,221,598; Apr. 3; v. 237; p. 208.
- Alternator, High-frequency. E. F. W. Alexanderson. No. 1,229,856; June 12; v. 239; p. 548.
- Alumina and potassium sulfate from alunite, Production of. E. Blough and T. McIntosh. No. 1,214,991; Feb. 6; v. 235; p. 181.
- Alumina and zirconia, Composition containing. L. E. Saunders and R. H. White. No. 1,240,490; Sept. 18; v. 242; p. 627.
- Alumina, Manufacture of crystalline fused. F. J. Tone. No. 1,239,984; Sept. 11; v. 242; p. 431.
- Aluminate and sulfur, Manufacture of barium. P. R. Hershman. No. 1,240,571; Sept. 18; v. 242; p. 650.
- Aluminate from alunite, Production of. P. R. Hershman. No. 1,240,570; Sept. 18; v. 242; p. 650.

Alphabetical list of inventions—Continued.

- Aluminate, Production of barium. P. R. Hershman. No. 1,210,572; Sept. 18; v. 242; p. 650.
- Aluminium fluorid, Obtaining. C. A. Doremus. No. 1,237,488; Aug. 21; v. 241; p. 699.
- Aluminium hydrate, Producing. C. A. Doremus. No. 1,215,351; Feb. 13; v. 235; p. 337.
- Aluminium nitrid, Producing. O. Serpek. No. 1,212,119; Jan. 9; v. 234; p. 632.
- Aluminium, Producing bands of. E. R. Lauber and R. V. Neher. No. 1,225,044; May 8; v. 238; p. 377.
- Aluminous abrasive and preparing same. L. E. Saunders and R. H. White. No. 1,240,491; Sept. 18; v. 242; p. 627.
- Aluminum carbids, Producing. M. Barnett and L. Burgess. No. 1,219,797; Mar. 20; v. 236; p. 731.
- Aluminum carbid, Producing. M. Barnett and L. Burgess. No. 1,222,593; Apr. 17; v. 237; p. 630.
- Aluminum chlorid, Manufacture of. A. M. McAfee. No. 1,217,471; Feb. 27; v. 235; p. 1178.
- Aluminum chlorid, Producing. M. Barnett and L. Burgess. No. 1,218,588; Mar. 6; v. 236; p. 241.
- Aluminum compounds, Producing. F. Langford. No. 1,249,125; Dec. 4; v. 245; p. 201.
- Aluminum hydrate, Precipitating. R. S. Sherwin. No. 1,251,296; Dec. 25; v. 245; p. 959.
- Aluminum, its alloys, and other lighter metals, Apparatus for and process of die-casting pure. F. H. Borst. No. 1,215,243; Feb. 6; v. 235; p. 265.
- Aluminum nitrid, Manufacture of. O. Serpek. No. 1,233,925; July 17; v. 240; p. 853.
- Aluminum nitrid, Manufacture of. O. Serpek. No. 1,233,926; July 17; v. 240; p. 854.
- Aluminum nitrid, Producing. H. L. Duncan. No. 1,241,834; Oct. 2; v. 243; p. 117.
- Aluminum nitrid, Production of. P. R. Hershman. No. 1,250,874; Dec. 18; v. 245; p. 784.
- Aluminum salts from silicates, Obtaining. R. H. McKee. No. 1,222,960; Apr. 17; v. 237; p. 758.
- Aluminum skimmings, screenings, dross, slags, or analogous aluminous materials, Treating. J. W. Lawrie. No. 1,228,119; May 29; v. 238; p. 1524.
- Aluminum skimmings, screenings, slags, or analogous materials, Processing. P. R. Hershman. No. 1,229,611; June 12; v. 239; p. 467.
- Alunite, Treating. F. K. Cameron. No. 1,233,977; July 17; v. 240; p. 870.
- Alunite, Treating. F. K. Cameron and J. A. Cullen. No. 1,239,768; Sept. 11; v. 242; p. 362.
- Amalgamating apparatus. C. C. Lane. No. 1,221,461; Apr. 3; v. 237; p. 161.
- Amalgamating-mill. D. L. Penrod. No. 1,230,770; June 19; v. 239; p. 886.
- Amalgamator. W. W. Dill. No. 1,230,135; June 19; v. 239; p. 675.
- Amalgamator. R. F. Lounsberry. No. 1,211,729; Jan. 9; v. 234; p. 495.
- Amalgamator, Centrifugal. P. Weeks, C. R. McCollom, and C. O. Haskell. No. 1,211,019; Jan. 2; v. 234; p. 223.
- Amalgamator, Gold-saving. E. P. Mayhew. No. 1,221,347; Apr. 3; v. 237; p. 122.
- Amalgams, Making. L. L. Halvorsen. No. 1,243,062; Oct. 16; v. 243; p. 583.
- Ambulance Army. S. Kuterbach. No. 1,241,402; Sept. 25; v. 242; p. 943.
- Ambulance, Military. P. P. Alex. No. 1,233,009; July 10; v. 240; p. 519.
- Ambulance-vehicle. R. W. D. Leslie and G. A. Child. No. 1,223,592; Apr. 24; v. 237; p. 1007.
- Aminonaphthalene substances, Derivatives of substituted. B. Heymann, R. Kothe, O. Dressel, and A. Ossennebeck. No. 1,218,655; Mar. 13; v. 236; p. 302.
- Ammeter. P. M. Lincoln. No. 1,248,511; Dec. 4; v. 245; p. 23.
- Ammonia and apparatus therefor, Absorbing. C. Bosch. No. 1,216,059; Feb. 13; v. 235; p. 593.
- Ammonia and catalytic bodies therefor, Oxidizing. C. L. Parsons. No. 1,239,125; Sept. 4; v. 242; p. 130.
- Ammonia and potassium-containing material from tobacco waste, Producing. J. E. Zilk. No. 1,247,060; Nov. 20; v. 244; p. 637.
- Ammonia, Catalytic production of. C. Bosch and A. Mittasch. No. 1,225,755; May 15; v. 238; p. 661.
- Ammonia-compressors, Supporting and inclosing means for the driving-shafts of. T. Shipley. No. 1,250,037; Dec. 11; v. 245; p. 495.
- Ammonia from ammoniacal liquor, Extracting. N. Schuster. No. 1,244,903; Oct. 30; v. 243; p. 1212.
- Ammonia, Manufacture of carbonic-acid compounds of. C. Bosch. No. 1,211,393; Jan. 9; v. 234; p. 382.
- Ammonia-oxidation process. C. Ellis. No. 1,237,884; Aug. 21; v. 241; p. 826.
- Ammonia, Producing. C. Bosch. No. 1,243,382; Oct. 16; v. 243; p. 677.
- Ammonia, Producing. C. Bosch and A. Mittasch. No. 1,244,580; Oct. 30; v. 243; p. 1114.
- Ammonium fluorids, Producing. H. F. Chappell. No. 1,235,552; Aug. 7; v. 241; p. 7.
- Ammonium nitrate and other products, Making. F. S. Washburn. No. 1,217,247; Feb. 27; v. 235; p. 1100.
- Ammunition-chest. W. Feller. No. 1,212,201; Jan. 16; v. 234; p. 690.
- Ammunition-primer. G. F. Lallman. No. 1,240,859; Sept. 25; v. 242; p. 773.
- Ammunition package, Artillery. J. A. Steinmetz. No. 1,218,814; Mar. 13; v. 236; p. 362.
- Amount-indicator for credit-checks and cash. J. W. Ingle. No. 1,238,712; Aug. 28; v. 241; p. 1124.
- Amusement and exercising apparatus. M. G. Rives. No. 1,220,363; Mar. 27; v. 236; p. 968.
- Amusement apparatus. J. W. Andrews. No. 1,235,411; July 31; v. 240; p. 1388.
- Amusement apparatus. J. Guiliano. No. 1,222,622; Apr. 17; v. 237; p. 641.
- Amusement apparatus. J. W. Hinricks. No. 1,244,735; Oct. 30; v. 243; p. 1162.
- Amusement apparatus. P. Hurwitz. No. 1,245,350; Nov. 6; v. 244; p. 62.
- Amusement apparatus. W. J. Keefe. No. 1,238,151; Aug. 28; v. 241; p. 944.
- Amusement apparatus. H. E. Riehl. No. 1,242,865; Oct. 9; v. 243; p. 485.
- Amusement apparatus. H. F. Maynes. No. 1,218,200; Mar. 6; v. 236; p. 109.
- Amusement apparatus, Aquatic. H. A. Myers. No. 1,249,455; Dec. 11; v. 245; p. 327.
- Amusement device. E. J. Christ. No. 1,244,702; Oct. 30; v. 243; p. 1151.
- Amusement device. C. H. Cox. No. 1,217,714; Feb. 27; v. 235; p. 1264.
- Amusement device. J. A. Fisher. No. 1,228,011; May 29; v. 238; p. 1488.
- Amusement device. J. C. Griesel. No. 1,220,980; Mar. 27; v. 236; p. 1177.
- Amusement device. C. L. Moore. No. 1,226,565; May 15; v. 238; p. 932.
- Amusement device. L. Stephany and O. Grupp. No. 1,212,277; Jan. 16; v. 234; p. 720.
- Amusement device. L. Thome. No. 1,232,407; July 3; v. 240; p. 289.
- Amusement device. A. J. Wilson. No. 1,248,770; Dec. 4; v. 245; p. 101.
- Amusement or exercising device. F. P. Bachman. No. 1,248,056; Nov. 27; v. 244; p. 954.
- Amyl compounds, Purifying. H. Essex and I. W. Humphrey. No. 1,233,333; July 17; v. 240; p. 659.
- Amylaceous substances, Treating. A. Boldin and J. Efront. No. 1,227,374; May 22; v. 238; p. 1242.
- Analyzing and recording mechanism. J. Powers. No. 1,224,412; May 1; v. 238; p. 108.
- Anchor. K. Beebe. No. 1,239,557; Sept. 11; v. 242; p. 295.
- Anchor. J. E. Garvin. No. 1,249,062; Dec. 4; v. 245; p. 184.
- Anchor. G. E. Peterson. No. 1,239,820; Sept. 11; v. 242; p. 380.
- Anchor. A. V. Rowe. No. 1,218,211; Mar. 6; v. 236; p. 113.
- Anchor-bolt. A. J. McDonald. No. 1,242,569; Oct. 9; v. 243; p. 391.
- Anchor-jack. E. L. Hopkins. No. 1,240,210; Sept. 18; v. 242; p. 539.
- Anchoring device. G. H. Dillon. No. 1,244,432; Oct. 23; v. 243; p. 1030.
- Anchoring device. M. M. Hjermstad. No. 1,230,711; June 19; v. 239; p. 867.
- Anchoring device. M. J. Mertz. No. 1,246,975; Nov. 20; v. 244; p. 613.
- Andiron. C. M. Grace. No. 1,234,153; July 24; v. 240; p. 962.
- Anesthesia machine, Local. R. E. Farr. No. 1,211,304; Jan. 2; v. 234; p. 319.
- Anesthetic-administering apparatus. D. Lambert. No. 1,222,421; Apr. 10; v. 237; p. 530.
- Anesthetic apparatus, Animal. G. M. Dorman. No. 1,239,576; Sept. 11; v. 242; p. 302.
- Anesthetic-apparatus regulator. A. W. Cash. No. 1,216,285; Feb. 20; v. 235; p. 724.
- Anesthetic nerve-blocking tablet. A. E. Smith. No. 1,243,349; Oct. 16; v. 243; p. 668.
- Anesthetics, Apparatus for administering. W. P. Walter. No. 1,211,647; Jan. 9; v. 234; p. 468.
- Anesthetizing and resuscitation apparatus. A. H. Mitchell. No. 1,236,591; Aug. 14; v. 241; p. 373.
- Angle-defining gage, Adjustable. I. G. Longley. No. 1,222,959; Apr. 17; v. 237; p. 757.
- Angle-plates, Machine for punching and cutting. E. V. Wurts and L. A. Hawthorne. No. 1,241,260; Sept. 25; v. 242; p. 900.
- Angle-spreader and swivel. H. A. Schilling. No. 1,227,325; May 22; v. 238; p. 1228.
- Angling-clip. G. Kinsey. No. 1,250,189; Dec. 18; v. 245; p. 580.
- Angular movements, Means for transmitting. S. Petersen. No. 1,225,486; May 8; v. 238; p. 527.
- Anhydrous magnesium chlorids, Manufacture of. E. A. Ashcroft. No. 1,231,471; June 26; v. 239; p. 1161.
- Anhydrous metal chlorids, Manufacture or production of. E. A. Ashcroft. No. 1,232,169; July 3; v. 240; p. 213.
- Anhydrous products from phenol formaldehyde, Production of. F. G. Weichmann. No. 1,218,146; Mar. 6; v. 236; p. 90.
- Animal-holder. A. M. Johnson. No. 1,232,556; July 10; v. 240; p. 371.
- Animal-holding device. C. J. Cole. No. 1,229,888; June 12; v. 239; p. 558.

- Animal-releasing device J. L. Bottem. No. 1,247,626; Nov. 27; v. 244; p. 830.
- Animal-releasing device. M. Massard. No. 1,220,662; Mar. 27; v. 236; p. 1072.
- Animal-releasing device. G. Zohner. No. 1,242,302; Oct. 9; v. 243; p. 305.
- Animal-shears. L. H. Cribbs. No. 1,221,292; Apr. 3; v. 237; p. 103.
- Animal-trap. A. M. Ahern. No. 1,214,404; Jan. 30; v. 234; p. 1521.
- Animal-trap. M. D. Arrioja. No. 1,213,997; Jan. 30; v. 234; p. 1380.
- Animal-trap. J. N. Bane. No. 1,247,204; Nov. 20; v. 244; p. 679.
- Animal-trap. F. Benoit. No. 1,218,589; Mar. 6; v. 236; p. 242.
- Animal-trap. R. M. Bernard. No. 1,234,120; July 24; v. 240; p. 950.
- Animal-trap. C. E. Bittle. No. 1,222,063; Apr. 10; v. 237; p. 401.
- Animal-trap. A. Blakeslee. No. 1,218,514; Mar. 6; v. 236; p. 216.
- Animal-trap. C. Bunn. No. 1,246,539; Nov. 13; v. 244; p. 448.
- Animal-trap. W. M. Burgett. No. 1,232,210; July 3; v. 240; p. 226.
- Animal-trap. B. G. Burns. No. 1,243,588; Oct. 16; v. 243; p. 738.
- Animal-trap. F. F. Ellis and S. R. Leonard. No. 1,240,036; Sept. 11; v. 242; p. 446.
- Animal-trap. L. L. Graham. No. 1,221,312; Apr. 3; v. 237; p. 110.
- Animal-trap. A. M. Grubbs. No. 1,223,271; Apr. 17; v. 237; p. 861.
- Animal-trap. H. O. Halverson. No. 1,251,367; Dec. 25; v. 245; p. 980.
- Animal-trap. R. Harriman. No. 1,220,743; Mar. 27; v. 236; p. 1099.
- Animal-trap. J. N. Hoffman. No. 1,226,517; May 15; v. 238; p. 917.
- Animal-trap. C. C. Hoyis. No. 1,213,876; Jan. 30; v. 234; p. 1338.
- Animal-trap. R. S. Hurlbut. No. 1,238,019; Aug. 21; v. 241; p. 869.
- Animal-trap. M. Jakab. No. 1,222,406; Apr. 10; v. 237; p. 524.
- Animal-trap. A. Mazurek. No. 1,243,088; Oct. 16; v. 243; p. 592.
- Animal-trap. M. Mester. No. 1,242,462; Oct. 9; v. 243; p. 356.
- Animal-trap. W. C. Moore. No. 1,235,833; Aug. 7; v. 241; p. 99.
- Animal-trap. E. L. Neunecker. No. 1,244,069; Oct. 23; v. 243; p. 922.
- Animal-trap. J. L. Patterson. No. 1,231,782; July 3; v. 240; p. 82.
- Animal-trap. L. Pease and A. W. Schoenheit. No. 1,240,248; Sept. 18; v. 242; p. 550.
- Animal-trap. B. L. Phillips. No. 1,213,248; Jan. 23; v. 234; p. 1092.
- Animal-trap. S. Reesé. No. 1,239,722; Sept. 11; v. 242; p. 349.
- Animal-trap. J. E. Ruby. No. 1,250,022; Dec. 11; v. 245; p. 491.
- Animal-trap. A. D. Saxon and J. E. Lundy. No. 1,217,350; Feb. 27; v. 235; p. 1134.
- Animal-trap. C. W. Stockburger. No. 1,230,535; June 19; v. 239; p. 809.
- Animal-trap. C. J. Streams. No. 1,247,171; Nov. 20; v. 244; p. 669.
- Animal-trap. C. A. Stutzman. No. 1,242,737; Oct. 9; v. 243; p. 444.
- Animal-trap. S. Taylor. No. 1,243,008; Oct. 16; v. 243; p. 565.
- Animal-trap. W. Thompson. No. 1,249,248; Dec. 4; v. 245; p. 237.
- Animal-trap. M. A. Twitchell. No. 1,241,058; Sept. 25; v. 242; p. 835.
- Animal-trap. J. A. Uhls. No. 1,244,563; Oct. 30; v. 243; p. 1109.
- Animal-trap. Collapsible. A. E. Kinsley. No. 1,246,112; Nov. 13; v. 244; p. 320.
- Ankle support and protector. H. J. Collis. No. 1,231,332; June 26; v. 239; p. 1114.
- Ankle-supporter, Spring. R. Hoppe. No. 1,236,714; Aug. 14; v. 241; p. 416.
- Annealing and carbonizing metals. Pot for use in. J. G. McCarren. No. 1,232,346; July 3; v. 240; p. 270.
- Annealing articles. A. L. Pollard. No. 1,222,793; Apr. 17; v. 237; p. 701.
- Annealing-box-lifting mechanism. A. P. Diescher. No. 1,216,291; Feb. 20; v. 235; p. 726.
- Annealing-furnace. A. L. Stevens. No. 1,219,499; Mar. 20; v. 236; p. 626.
- Annealing furnace, Metal-. R. Masters. No. 1,241,750; Oct. 2; v. 243; p. 90.
- Annealing-leer. J. Plante. No. 1,214,217; Jan. 30; v. 234; p. 1454.
- Annealing-oven. W. Stender. No. 1,247,890; Nov. 27; v. 244; p. 909.
- Annular article. H. M. Foote. No. 1,225,023; May 8; v. 238; p. 370.
- Annular work, Apparatus for forming. F. A. Stevenson. No. 1,224,805; May 1; v. 238; p. 244.
- Annunciator. G. Alt. No. 1,236,647; Aug. 14; v. 241; p. 392.
- Annunciator. L. M. Jewell. No. 1,235,036; July 31; v. 240; p. 1277.
- Annunciator. O. M. Leich. No. 1,215,289; Feb. 6; v. 235; p. 280.
- Annunciator. R. R. Metz. No. 1,226,683; May 22; v. 238; p. 1009.
- Annunciator. A. Sullwold. No. 1,232,453; July 3; v. 240; p. 302.
- Annunciator. Visual automatic-setback. L. Stephens. No. 1,234,504; July 24; v. 240; p. 1077.
- Anode, Keep-alive. D. C. Davis. No. 1,222,537; Apr. 10; v. 237; p. 570.
- Ant-exterminator. G. G. Morehead. No. 1,225,471; May 8; v. 238; p. 523.
- Anthraquinone compound. P. Nawiasky. No. 1,238,932; Sept. 4; v. 242; p. 68.
- Anti-rail-spreader. W. G. Wilson and N. L. Jones. No. 1,216,903; Feb. 20; v. 235; p. 938.
- Anticreeper. O. R. Barnett. No. 1,248,790; Dec. 4; v. 245; p. 108.
- Anticreeper. H. G. Gillmor. No. 1,243,282; Oct. 16; v. 243; p. 648.
- Anticreeper. E. Laas. No. 1,214,689; Feb. 6; v. 235; p. 73.
- Anticreeper. E. Laas. No. 1,227,804; May 29; v. 238; p. 1417.
- Anticreeper. P. W. Moore. No. 1,216,156; Feb. 13; v. 235; p. 628.
- Anticreeper. F. A. Preston. No. 1,219,772; Mar. 20; v. 236; p. 721.
- Anticreeper. F. A. Preston. No. 1,228,597; June 5; v. 239; p. 76.
- Anticreeper. H. H. Spontenburg. No. 1,215,426; Feb. 13; v. 235; p. 362.
- Anticreeper. J. R. Steele. No. 1,245,056; Oct. 30; v. 243; p. 1257.
- Anticreeper. J. R. Steele. No. 1,249,687; Dec. 11; v. 245; p. 394.
- Anticreeper and spreadless tie-plate. D. J. Kontolampros. No. 1,250,901; Dec. 18; v. 245; p. 792.
- Anticreeper for rails. R. E. Belknap. No. 1,228,171; May 29; v. 238; p. 1540.
- Anticreeper for railway-rails. P. H. McCooe. No. 1,215,392; Feb. 13; v. 235; p. 351.
- Anticreeper for railway-rails. W. M. Mitchell. No. 1,235,492; July 31; v. 240; p. 1412.
- Anticreeper for railway-rails. W. M. Mitchell. No. 1,235,494; July 31; v. 240; p. 1412.
- Anticreeper for railway-rails. D. F. Vaughan. No. 1,216,256; Feb. 13; v. 235; p. 663.
- Anticreeper, Rail-. P. H. McFadden. No. 1,221,203; Apr. 3; v. 237; p. 71.
- Anticreeper, Two-way. F. A. Preston. No. 1,217,127; Feb. 20; v. 235; p. 1015.
- Anticreepering appliance. J. W. Thomas. No. 1,227,858; May 29; v. 238; p. 1436.
- Anticreepering device. W. R. Diehl. No. 1,241,202; Sept. 25; v. 242; p. 880.
- Anticreepering device for rails. D. E. Crowley. No. 1,227,755; May 29; v. 238; p. 1400.
- Anticreepering device for railway-rails. W. M. Mitchell. No. 1,235,496; July 31; v. 240; p. 1413.
- Anticreepering means for railway-rails. J. F. Lydon. No. 1,227,811; May 29; v. 238; p. 1420.
- Antifriction device. A. E. O'Brien. No. 1,212,992; Jan. 16; v. 234; p. 971.
- Antifriction device. C. J. Pembroke. No. 1,236,756; Aug. 14; v. 241; p. 430.
- Antifrosting device. F. Schonger. No. 1,228,482; June 5; v. 239; p. 37.
- Antimonates. Production of. P. Eyer. No. 1,211,564; Jan. 9; v. 234; p. 441.
- Antrattler. F. E. Griffith. No. 1,238,135; Aug. 28; v. 241; p. 940.
- Antrattler. R. C. Puckett. No. 1,236,352; Aug. 7; v. 241; p. 262.
- Antrattling device. J. Kirby, Jr. No. 1,211,860; Jan. 9; v. 234; p. 544.
- Antrattling device for control-rods. W. S. Graffam. No. 1,240,562; Sept. 18; v. 242; p. 648.
- Antiseptic-dispenser. H. A. Clifford. No. 1,227,997; May 29; v. 238; p. 1484.
- Antiskid attachment. E. Hartley. No. 1,247,529; Nov. 20; v. 244; p. 771.
- Antiskid-chain-applying tool. A. T. Derby. No. 1,238,647; Aug. 28; v. 241; p. 1106.
- Antiskid-chain hook. B. B. Gunnoe. No. 1,235,682; Aug. 7; v. 241; p. 48.
- Antiskid-chains. Tightening and locking device for. R. Briggs. No. 1,238,631; Aug. 28; v. 241; p. 1101.
- Antiskid device. W. H. Brown. No. 1,238,490; Aug. 28; v. 241; p. 1056.
- Antiskid device. T. R. Lloyd. No. 1,249,433; Dec. 11; v. 245; p. 320.
- Antiskid device. G. H. Martin. No. 1,231,181; June 26; v. 239; p. 1065.
- Antiskid device. W. McCleary. No. 1,218,430; Mar. 6; v. 236; p. 188.
- Antiskid device. H. W. Walden. No. 1,248,212; Nov. 27; v. 244; p. 999.
- Antiskid-device clamp. G. T. Heckmann. No. 1,238,765; Sept. 4; v. 242; p. 14.

Alphabetical list of inventions—Continued.

- Antiskid device for auto-tires. J. P. Martiny. No. 1,225,839; May 15; v. 238; p. 688.
- Antiskid device for automobiles. J. Kitak. No. 1,238,301; Aug. 28; v. 241; p. 996.
- Antiskid device for automobiles, &c. H. Thorne. No. 1,236,499; Aug. 14; v. 241; p. 344.
- Antiskid device for automobiles, &c. H. Thorne. No. 1,236,500; Aug. 14; v. 241; p. 344.
- Antiskid device for wheel-tires. D. H. Weir. No. 1,241,066; Sept. 25; v. 242; p. 837.
- Antiskid device for vehicle-wheels. J. G. Friberg. No. 1,237,770; Aug. 21; v. 241; p. 791.
- Antiskid device for vehicle-wheels. G. L. Himmelberger. No. 1,218,657; Mar. 13; v. 236; p. 303.
- Antiskid device for vehicles. D. W. Getter. No. 1,235,968; Aug. 7; v. 241; p. 144.
- Antiskid device for wheels. C. G. Greenleaf. No. 1,214,777; Feb. 6; v. 235; p. 102.
- Antiskid or antislip tread. A. J. Oehring. No. 1,211,619; Jan. 9; v. 234; p. 459.
- Antiskid-rudder for autos. R. C. Bright. No. 1,215,902; Feb. 13; v. 235; p. 535.
- Antiskid wheel-chains. Attaching device for. H. C. Bohack. No. 1,232,700; July 10; v. 240; p. 440.
- Antiskidding and braking device for automobiles. T. O'Dowd. No. 1,216,597; Feb. 20; v. 235; p. 835.
- Antiskidding attachment. A. Montanari. No. 1,215,179; Feb. 6; v. 235; p. 242.
- Antiskidding attachment for vehicle-wheels. J. G. Friberg. No. 1,237,771; Aug. 21; v. 241; p. 791.
- Antiskidding attachment for wheels. L. Friedrich. No. 1,216,104; Feb. 13; v. 235; p. 609.
- Antiskidding device. L. S. Bacon. No. 1,237,274; Aug. 21; v. 241; p. 631.
- Antiskidding device. J. F. Baxa. No. 1,226,171; May 15; v. 238; p. 801.
- Antiskidding device. P. Hadnagy. No. 1,234,896; July 31; v. 240; p. 1232.
- Antiskidding device. I. Harrison. No. 1,250,866; Dec. 18; v. 245; p. 782.
- Antiskidding device. W. H. McLaughlin. No. 1,240,465; Sept. 18; v. 242; p. 619.
- Antiskidding device. E. E. Proulx. No. 1,242,238; Oct. 9; v. 243; p. 285.
- Antiskidding device. T. A. Pyros. No. 1,213,256; Jan. 23; v. 234; p. 1095.
- Antiskidding device. A. L. Riker. No. 1,244,244; Oct. 23; v. 243; p. 974.
- Antiskidding device. N. Rinfrett. No. 1,217,999; Mar. 6; v. 236; p. 39.
- Antiskidding device. A. Schlopman. No. 1,221,226; Apr. 3; v. 237; p. 80.
- Antiskidding device. F. Winter. No. 1,247,775; Nov. 27; v. 244; p. 878.
- Antiskidding device for pneumatic tires. J. J. Snigo. No. 1,216,870; Feb. 20; v. 235; p. 927.
- Antiskidding device for use on automobile-wheels. C. E. Hershev. No. 1,219,397; Mar. 13; v. 236; p. 561.
- Antiskidding device for vehicle-wheels. J. H. Rose. No. 1,236,109; Aug. 7; v. 241; p. 187.
- Antiskidding device for vehicles. W. H. Putnam. No. 1,223,070; Apr. 17; v. 237; p. 795.
- Antiskidding device for wheel-tires. A. E. Canfield. No. 1,233,978; July 17; v. 240; p. 871.
- Antiskidding device for wheels. N. E. Wright. No. 1,232,468; July 3; v. 240; p. 307.
- Antiskidding grip-tread for vehicle-wheels. C. Reger. No. 1,213,949; Jan. 30; v. 234; p. 1363.
- Antiskidding means. Fastening device for. H. Mayer and G. Schlatter. No. 1,246,132; Nov. 13; v. 244; p. 326.
- Antiskidding means for vehicle-wheels. T. E. Murray. No. 1,237,367; Aug. 21; v. 241; p. 663.
- Antiskidding tire attachment for wheels. J. A. Granstrom. No. 1,234,538; July 24; v. 240; p. 1088.
- Antislipping attachment. P. A. Skiles. No. 1,242,056; Oct. 2; v. 243; p. 186.
- Antislipping attachment for wheels. W. T. Lowrey, Jr. No. 1,250,908; Dec. 18; v. 245; p. 795.
- Antislipping device. C. G. Clifford. No. 1,232,896; July 10; v. 240; p. 484.
- Antislipping device. D. Grieve. No. 1,227,431; May 22; v. 238; p. 1260.
- Antislipping device. F. Ischer. No. 1,215,539; Feb. 13; v. 235; p. 404.
- Antislipping device. H. A. Sarver. No. 1,228,056; May 29; v. 238; p. 1504.
- Antislipping device. M. E. Wickwire. No. 1,239,856; Sept. 11; v. 242; p. 392.
- Antislipping device for automobile-wheels. C. Unmissig and W. J. Miller. No. 1,249,561; Dec. 11; v. 245; p. 357.
- Antiswitching device. W. S. Haynes. No. 1,236,432; Aug. 14; v. 241; p. 321.
- Antitorpedo-protector. A. Paladini. No. 1,247,994; Nov. 27; v. 244; p. 939.
- Anvil, Metal-working work-holding. W. H. Wood. No. 1,243,125; Oct. 16; v. 243; p. 601.
- Anus, apparatus. Artificial. C. E. Clare. No. 1,217,567; Feb. 27; v. 235; p. 1213.
- Anvil for micrometer and similar gages. F. O. Jaques, Sr. No. 1,223,325; Apr. 17; v. 237; p. 879.
- Apiary. M. Hoffmann. No. 1,212,223; Jan. 16; v. 234; p. 697.
- Apparel, Apparatus for opening and pressing the seams of wearing. W. Wilkie. No. 1,249,267; Dec. 4; v. 245; p. 242.
- Apparel, Apparatus for renovating wearing. N. Rubenstein. No. 1,241,557; Oct. 2; v. 243; p. 29.
- Apparel, Infant's. W. K. Jones. (Reissue.) No. 14,328; July 17; v. 240; p. 911.
- Apparel, Infant's. W. K. Jones. (Reissue.) No. 14,389; Oct. 30; v. 243; p. 1290.
- Apparel, Wearing. W. C. Coleman. No. 1,222,735; Apr. 17; v. 237; p. 681.
- Apparel, Wearing. D. H. Hodes. No. 1,213,941; Mar. 13; v. 236; p. 406.
- Apparel, Wearing. W. Hurwitch. No. 1,245,720; Nov. 6; v. 244; p. 175.
- Applying and sealing device, Automatic. G. W. Tyler. No. 1,230,240; June 19; v. 239; p. 711.
- Apron. C. T. Lucas. No. 1,212,524; Jan. 16; v. 234; p. 805.
- Apron. A. Zimmermann. No. 1,217,855; Feb. 27; v. 235; p. 1311.
- Apron and drain-pail. Combination. J. P. Mohler. No. 1,230,756; June 19; v. 239; p. 882.
- Apron-canvas. A. F. Decker. No. 1,223,772; Apr. 24; v. 237; p. 1073.
- Apron-guiding device. F. G. Sargent. No. 1,227,835; May 29; v. 238; p. 1428.
- Apron, Sanitary. J. L. Bornstein. No. 1,243,693; Oct. 23; v. 243; p. 803.
- Apron, Spiked feed-. W. D. Palen and H. Coulston. No. 1,215,183; Feb. 6; v. 235; p. 244.
- Arbor-press. E. E. Bartlett. No. 1,234,259; July 24; v. 240; p. 996.
- Arbor-press, Combination. A. S. True. No. 1,251,136; Dec. 25; v. 245; p. 911.
- Arc device, Inclosed-. J. H. Clough. No. 1,246,054; Nov. 13; v. 244; p. 303.
- Arc-lights, Carbon-holder for. J. Gelb. No. 1,244,048; Oct. 23; v. 243; p. 916.
- Arc-lights for projectors, Operating flaming. E. A. Sperry. No. 1,227,210; May 22; v. 238; p. 1190.
- Arc-suppressing device. D. C. Davis. No. 1,224,150; May 1; v. 238; p. 12.
- Arcs, Means for describing circular and elliptic. J. A. Caldwell. No. 1,230,994; June 26; v. 239; p. 1001.
- Arch and ankle support. H. A. Bernstein. No. 1,211,055; Jan. 2; v. 234; p. 235.
- Arch-centering. H. H. Frick. No. 1,249,611; Dec. 11; v. 245; p. 372.
- Arch construction. W. Dyer. No. 1,223,266; Apr. 17; v. 237; p. 859.
- Arch-form, Collapsible. G. A. Compton. No. 1,211,291; Jan. 2; v. 234; p. 315.
- Arch-readjuster. W. G. Gray. No. 1,226,327; May 15; v. 238; p. 858.
- Arch-support. A. E. Block. (Reissue.) No. 14,264; Feb. 27; v. 235; p. 1324.
- Arch-support. J. M. Callahan. No. 1,221,833; Apr. 10; v. 237; p. 321.
- Arch-support. C. H. Druckenmiller. No. 1,241,832; Oct. 2; v. 243; p. 116.
- Arch-support. J. J. Keys. No. 1,219,331; Mar. 13; v. 236; p. 538.
- Arch-support. L. Lobel. No. 1,229,300; June 12; v. 239; p. 361.
- Arch-support. E. Mueller. No. 1,238,179; Aug. 28; v. 241; p. 955.
- Arch-support. W. M. Scholl. No. 1,216,849; Feb. 20; v. 235; p. 920.
- Arch-support. W. M. Scholl. No. 1,222,808; Apr. 17; v. 237; p. 706.
- Arch-support. G. F. Spiegel. No. 1,211,255; Jan. 2; v. 234; p. 303.
- Arch-support. J. H. Willett. No. 1,240,275; Sept. 18; v. 242; p. 559.
- Arch-support. W. H. Wood. No. 1,215,090; Feb. 6; v. 235; p. 213.
- Arch-support and heel-cushion. Combination. J. P. Calvey. No. 1,244,027; Oct. 23; v. 243; p. 910.
- Arch-support, Compound-spring. G. A. Runkel. No. 1,246,789; Nov. 13; v. 244; p. 522.
- Arch-support, Pneumatic. R. S. Carling. No. 1,223,368; Apr. 24; v. 237; p. 927.
- Arch-supporter. M. Golden. No. 1,236,924; Aug. 14; v. 241; p. 483.
- Arch-supporter. E. Schenk. No. 1,251,427; Dec. 25; v. 245; p. 996.
- Arch-supporter. C. C. Steger. No. 1,210,869; Jan. 2; v. 234; p. 169.
- Arch supporter, Os-calcis metatarsal-. G. Cornet. No. 1,219,257; Mar. 13; v. 236; p. 513.
- Arch-tubes, Protection for. L. Parish. No. 1,229,377; June 12; v. 239; p. 388.
- Argillaceous composition and making same. L. H. Minton. No. 1,228,465; June 5; v. 239; p. 31.
- Argon-concentrating apparatus and process. G. R. Fonda. No. 1,211,125; Jan. 2; v. 234; p. 256.
- Arm and fittings therefor, Artificial. P. M. McKay. No. 1,213,222; Jan. 23; v. 234; p. 1083.
- Arm and hand, Artificial. M. E. Cronemiller. No. 1,225,415; May 8; v. 238; p. 504.
- Arm, Artificial. P. Nicola. No. 1,247,710; Nov. 27; v. 244; p. 857.

- Arm-support for crutches and the like. F. A. Pennington. No. 1,247,143; Nov. 20; v. 244; p. 661.
- Armament, System of mobile. C. F. Dawson and L. W. Luellen. No. 1,244,431; Oct. 23; v. 243; p. 1030.
- Armature-banding machine. G. E. Austin and F. Lachance. No. 1,220,054; Mar. 20; v. 236; p. 820.
- Armature-coils, Sheet-metal form for. W. T. Hensley. No. 1,238,911; Sept. 4; v. 242; p. 62.
- Armature cross-connectors, Support for. G. H. Krauskopf. No. 1,229,759; June 12; v. 239; p. 515.
- Armature for dynamo-electric machines. J. Bljur. No. 1,237,459; Aug. 21; v. 241; p. 691.
- Armature-sleeve, Composite. W. J. Bauroth. No. 1,213,818; Jan. 30; v. 234; p. 1319.
- Armature-winding implement. W. T. Hensley. No. 1,240,448; Sept. 18; v. 242; p. 614.
- Armatures, Interlocking device for magnet-. F. W. Kulicke. No. 1,248,344; Nov. 27; v. 244; p. 1036.
- Armatures, Terminal-bending tool for. E. J. Tomlinson. No. 1,238,959; Sept. 4; v. 242; p. 77.
- Armor, Body-. O. L. Boucher. No. 1,210,407; Jan. 2; v. 234; p. 9.
- Armor for soldiers. J. R. Doran. No. 1,212,463; Jan. 16; v. 234; p. 784.
- Armor, Individual protective. P. C. Flanagan. No. 1,238,120; Aug. 28; v. 241; p. 935.
- Armor or reinforcement. C. L. Teevan. No. 1,251,444; Dec. 25; v. 245; p. 1001.
- Armor, Protective. S. M. Almengual. No. 1,236,033; Aug. 7; v. 241; p. 166.
- Armor, Protective. S. M. Almengual. No. 1,236,034; Aug. 7; v. 241; p. 166.
- Armor, Non-skid. F. H. Childs. No. 1,243,653; Oct. 16; v. 243; p. 759.
- Aromatic amino-oxy-compounds, Manufacture of. A. Pignat, E. Steinbuch, and R. Stocker. No. 1,239,822; Sept. 11; v. 242; p. 381.
- Arseno compound and making same, Complex. P. Karrer. No. 1,214,924; Feb. 6; v. 235; p. 155.
- Art-stage. S. Morrison and F. H. Fitch. No. 1,215,962; Feb. 13; v. 235; p. 558.
- Article-feeding means. W. A. Courtland. No. 1,230,870; June 26; v. 239; p. 953.
- Article-holder. A. R. Kinkelaar. No. 1,214,795; Feb. 6; v. 235; p. 108.
- Article-holder. F. J. Lovin. No. 1,211,463; Jan. 9; v. 234; p. 406.
- Article-holder. F. B. Meyer. No. 1,216,716; Feb. 20; v. 235; p. 875.
- Article-holding clip. M. J. Schultz. No. 1,237,223; Aug. 14; v. 241; p. 576.
- Article-holding device. G. Gummerson. No. 1,238,761; Sept. 4; v. 242; p. 13.
- Article-holding rack. S. Patrick. No. 1,221,584; Apr. 3; v. 237; p. 204.
- Article-lock. W. F. Schwartz. No. 1,229,663; June 12; v. 239; p. 484.
- Article of manufacture. A. H. Henderson. No. 1,215,275; Feb. 6; v. 235; p. 276.
- Article of manufacture and producing the same. A. O. Trostel. No. 1,250,051; Dec. 11; v. 245; p. 500.
- Article-supporting stand. P. Lepak. No. 1,226,543; May 15; v. 238; p. 925.
- Articulated connection. W. A. Blackburn. No. 1,220,595; Mar. 27; v. 236; p. 1049.
- Articulator. R. E. Hall. No. 1,218,178; Mar. 6; v. 236; p. 100.
- Articulatory joint. F. W. Saworski. No. 1,221,770; Apr. 3; v. 237; p. 266.
- Artillery carriage, Heavy-field-. H. F. Loomis. No. 1,220,246; Mar. 27; v. 236; p. 925.
- Artillery-carriage wheel. A. V. Mitchell. No. 1,222,232; Apr. 10; v. 237; p. 462.
- Artillery, Field and siege. G. C. Davison. No. 1,215,255; Feb. 6; v. 235; p. 270.
- Artist's tablet. E. W. Long. No. 1,241,866; Oct. 2; v. 243; p. 126.
- Asbestos mat. W. H. Vanderpoel. No. 1,215,223; Feb. 6; v. 235; p. 258.
- Asbestos or other material, Drying apparatus for. J. N. Bourque. No. 1,222,841; Apr. 17; v. 237; p. 716.
- Asbestos-sheet connector. R. Levens. No. 1,244,870; Oct. 30; v. 243; p. 1202.
- Ash and garbage receptacle, Rotary. W. M. Sharp. No. 1,219,176; Mar. 13; v. 236; p. 485.
- Ash-can. H. Meeking. No. 1,249,983; Dec. 11; v. 245; p. 480.
- Ash-can. W. Seehase. No. 1,229,532; June 12; v. 239; p. 440.
- Ash-conveying system. A. P. Strong. No. 1,211,500; Jan. 9; v. 234; p. 418.
- Ash-conveying system. A. P. Strong. No. 1,243,893; Oct. 23; v. 243; p. 870.
- Ash-dumping mechanism. P. L. Crowe. No. 1,224,904; May 8; v. 238; p. 330.
- Ash-pan. H. S. Nelson. No. 1,238,555; Aug. 28; v. 241; p. 1078.
- Ash-pit attachment. H. I. Rogers. No. 1,219,157; Mar. 13; v. 236; p. 479.
- Ash-receiver. J. S. Wise, Jr. No. 1,228,508; June 5; v. 239; p. 46.
- Ash-receptacle. J. Ehalainen. No. 1,237,763; Aug. 21; v. 241; p. 789.
- Ash receptacle and sifter. P. F. Quinn. No. 1,213,009; Jan. 16; v. 234; p. 977.
- Ash-sifting apparatus. H. Koppel. No. 1,226,976; May 22; v. 238; p. 1111.
- Ash-sifting machine. J. T. Frey. No. 1,232,784; July 10; v. 240; p. 447.
- Ash tank and settler. L. A. Griffin. No. 1,211,310; Jan. 2; v. 234; p. 321.
- Ash-tray. J. H. Astruck. No. 1,220,167; Mar. 27; v. 236; p. 899.
- Ash-tray. E. B. Cobb. No. 1,212,185; Jan. 16; v. 234; p. 684.
- Ash-tray. A. Leibner. No. 1,245,744; Nov. 6; v. 244; p. 182.
- Ash-tray and cigar-rest. E. Oldenbusch. No. 1,212,995; Jan. 16; v. 234; p. 972.
- Ashes and the like, Receptacle for. H. A. Poppenhusen and A. P. Strong. No. 1,243,873; Oct. 23; v. 243; p. 864.
- Asphalt-cutter. H. Schumacher. No. 1,250,521; Dec. 18; v. 245; p. 679.
- Asphalt-like masses and derivatives therefrom, Manufacture of. L. Landsberg. No. 1,211,721; Jan. 9; v. 234; p. 492.
- Asphalt limestone, Producing synthetic. C. L. V. Zimmer. No. 1,237,852; Aug. 21; v. 241; p. 816.
- Asphalt-tester, Automatically-timed. W. B. Howard. No. 1,225,438; May 8; v. 238; p. 511.
- Aspirator. A. P. Leonard. No. 1,221,463; Apr. 3; v. 237; p. 162.
- Aspirator. E. B. Porter. No. 1,213,901; Jan. 30; v. 234; p. 1348.
- Assembling and banding machine. R. W. Lewis. No. 1,221,196; Apr. 3; v. 237; p. 69.
- Assembling apparatus. B. F. Brown. No. 1,235,284; July 31; v. 240; p. 1351.
- Assembling-frame for machines. M. H. Flynn. No. 1,220,507; Mar. 27; v. 236; p. 1018.
- Assembling-machine. W. R. Jeavons and A. R. Whitaker. No. 1,212,227; Jan. 16; v. 234; p. 699.
- Assembling-machine. J. Ledwinka. No. 1,216,466; Feb. 20; v. 235; p. 788.
- Assembling-machine. J. Ledwinka. No. 1,216,467; Feb. 20; v. 235; p. 789.
- Associating and binding machine. R. C. Seymour. No. 1,213,425; Jan. 23; v. 234; p. 115a.
- Associating and collecting mechanism. H. A. W. Wood. No. 1,238,613; Aug. 28; v. 241; p. 1095.
- Assorting apparatus. J. Lomasney. No. 1,242,214; Oct. 9; v. 243; p. 277.
- Assorting apparatus. D. H. Parce. No. 1,217,988; Mar. 6; v. 236; p. 34.
- Athlete's guard. F. Haggerty. No. 1,229,947; June 12; v. 239; p. 577.
- Athletic brace for limbs. L. Allis. No. 1,226,160; May 15; v. 238; p. 798.
- Atlas and axis, Machine for correcting the maladjustment of the. A. D. Nichols. No. 1,233,476; July 17; v. 240; p. 714.
- Atomizer. J. H. Hamlin. No. 1,243,514; Oct. 16; v. 243; p. 718.
- Atomizer. J. J. Holland. No. 1,219,309; Mar. 13; v. 236; p. 530.
- Atomizer. J. J. Holland. No. 1,229,615; June 12; v. 239; p. 468.
- Atomizer. W. A. White. No. 1,227,352; May 22; v. 238; p. 1236.
- Atomizer for fluids. J. Patten. No. 1,219,994; Mar. 20; v. 236; p. 799.
- Atomizer, Fuel-oil outside. P. L. Geer. No. 1,235,678; Aug. 7; v. 241; p. 47.
- Atomizer, Liquid-. A. H. Light. No. 1,250,600; Dec. 18; v. 245; p. 703.
- Atomizer, Pneumatic. E. and E. Zawels. No. 1,246,213; Nov. 13; v. 244; p. 350.
- Atomizer, Pocket-. S. W. Burke. (Reissue.) No. 1,4325; July 3; v. 240; p. 309.
- Atomizing and nebulizing device. H. M. Reichenbach. No. 1,224,020; Apr. 24; v. 237; p. 1157.
- Attaching device. J. Abrahams. No. 1,235,631; Aug. 7; v. 241; p. 33.
- Audlon, Metallic. L. De Forest. No. 1,230,874; June 26; v. 239; p. 959.
- Audiphone, Hand-. F. A. Barber. No. 1,227,030; May 22; v. 238; p. 1129.
- Auditing and filing apparatus. C. F. Laganke. No. 1,235,701; Aug. 7; v. 241; p. 54.
- Auditorium-chair. F. F. Fischer. No. 1,247,521; Nov. 20; v. 244; p. 769.
- Auger-bit. J. E. Doldt. No. 1,244,593; Oct. 30; v. 243; p. 1118.
- Auger, Earth-. J. Ernst. No. 1,251,206; Dec. 25; v. 245; p. 931.
- Auger, Earth-. D. T. Phillips. No. 1,222,460; Apr. 10; v. 237; p. 543.
- Auger, Hollow. J. F. Alexander. No. 1,231,551; July 8; v. 240; p. 3.
- Auto attachment. L. C. Griffin and P. A. Jones. No. 1,222,850; Apr. 17; v. 237; p. 723.
- Auto-body, Convertible. G. C. Jackson. No. 1,247,840; Nov. 27; v. 244; p. 896.
- Auto-chain, Non-skid. T. M. Jarrell. No. 1,226,890; May 22; v. 238; p. 1080.

Alphabetical list of inventions—Continued.

- Auto commissary and table. A. N. Himes. No. 1,219,101; Mar. 13; v. 236; p. 459.
- Auto device. W. A. Kress. No. 1,211,597; Jan. 9; v. 234; p. 451.
- Auto-extractor. G. O. Batchelder. No. 1,229,864; June 12; v. 239; p. 551.
- Auto-fender. B. Nichols. No. 1,247,442; Nov. 20; v. 244; p. 746.
- Auto, Fish-conveying. O. Zistel. No. 1,227,732; May 29; v. 238; p. 1393.
- Auto-light dimmer. A. J. Frascolla. No. 1,244,441; Oct. 23; v. 243; p. 1033.
- Auto-limber. L. L. Driggs. No. 1,230,687; June 19; v. 239; p. 859.
- Auto-lock. J. L. Davidson. No. 1,217,419; Feb. 27; v. 235; p. 1159.
- Auto-mat holder. E. W. Cruikshank. No. 1,213,079; Jan. 16; v. 234; p. 999.
- Auto-puller. C. Davis. No. 1,229,901; June 12; v. 239; p. 563.
- Auto-repair coaster. W. B. Foster. No. 1,249,735; Dec. 11; v. 245; p. 408.
- Auto-rim forcer. G. A. E. Kaehler. No. 1,219,948; Mar. 20; v. 236; p. 784.
- Auto-signal. J. P. Kasper. No. 1,242,449; Oct. 9; v. 243; p. 351.
- Auto steering device. C. J. Patterson. No. 1,226,586; May 15; v. 238; p. 938.
- Auto-top. L. E. Sherman. No. 1,245,278; Nov. 6; v. 244; p. 40.
- Auto-trailer. N. W. Kline. No. 1,247,282; Nov. 20; v. 244; p. 701.
- Auto-truck body. W. K. Waterman. No. 1,223,912; Apr. 24; v. 237; p. 1120.
- Auto-wheel. J. G. Oehler. No. 1,231,780; July 3; v. 240; p. 82.
- Autos, Internal brake for drums of. R. R. Ramey. No. 1,250,656; Dec. 18; v. 245; p. 719.
- Autos, Mud-lug for propelling. E. P. Berry. No. 1,217,904; Mar. 6; v. 236; p. 7.
- Autograph attachment. D. F. Crawford. No. 1,232,771; July 10; v. 240; p. 443.
- Autographic register. C. Bristow. No. 1,223,759; Apr. 24; v. 237; p. 1068.
- Autographic register. A. F. Euchenhofer. No. 1,221,521; Apr. 3; v. 237; p. 183.
- Autographic register. E. A. Ferrabee. No. 1,250,573; Dec. 18; v. 245; p. 696.
- Autographic register. A. C. Gaynor. No. 1,235,677; Aug. 7; v. 241; p. 47.
- Autographic register. A. Heldrich. No. 1,216,312; Feb. 20; v. 235; p. 734.
- Automatic alarm. H. E. House. No. 1,242,349; Oct. 9; v. 243; p. 320.
- Automatic boiler. J. Hildebrand. No. 1,230,296; June 19; v. 239; p. 730.
- Automatic brake. A. H. Alkire. No. 1,228,734; June 5; v. 239; p. 122.
- Automatic brake. G. R. Maloney. No. 1,244,354; Oct. 23; v. 243; p. 1007.
- Automatic brake for baggage and express trucks. E. W. Tucker. No. 1,211,011; Jan. 2; v. 234; p. 220.
- Automatic control device. C. L. Fortier. No. 1,212,042; Jan. 9; v. 234; p. 606.
- Automatic dumping device. H. O. E. Beindorf. No. 1,234,717; July 31; v. 240; p. 1177.
- Automatic elevator. E. L. Dunn. No. 1,234,644; July 24; v. 240; p. 1120.
- Automatic furnace. E. Lundgren. No. 1,228,456; June 5; v. 239; p. 27.
- Automatic Jack for vehicles. B. W. Lefferdink. No. 1,217,320; Feb. 27; v. 235; p. 1124.
- Automatic lock. R. N. Parker and H. A. Smith. No. 1,220,448; Mar. 27; v. 236; p. 998.
- Automatic lubricator. S. P. Bilyeu. No. 1,230,371; June 19; v. 239; p. 754.
- Automatic lubricator for die-stocks. P. C. Fritz and H. C. Crawford. No. 1,231,591; July 3; v. 240; p. 18.
- Automatic-release hook. A. F. Mazoch and E. Sladeczek. No. 1,212,984; Jan. 16; v. 234; p. 968.
- Automatic selecting-switch. J. G. Blessing. No. 1,218,048; Mar. 6; v. 236; p. 56.
- Automatic signal. J. M. Carson. No. 1,231,847; July 3; v. 240; p. 105.
- Automatic sprinkler. R. S. Davidson. No. 1,228,412; June 5; v. 239; p. 13.
- Automatic sprinkler. W. B. Hammond. No. 1,213,631; Jan. 23; v. 234; p. 1226.
- Automatic sprinkler. W. B. Hammond. No. 1,228,553; June 5; v. 239; p. 61.
- Automatic sprinkler. W. B. Hammond. No. 1,233,777; July 17; v. 240; p. 804.
- Automatic sprinkler. A. C. Rowley. No. 1,231,653; July 3; v. 240; p. 38.
- Automatic sprinkler. G. G. Schelter. No. 1,215,202; Feb. 6; v. 235; p. 251.
- Automatic switch. J. Bijur. No. 1,222,720; Apr. 17; v. 237; p. 676.
- Automatic switch. H. P. Clausen. No. 1,238,106; Aug. 28; v. 241; p. 930.
- Automatic switch. C. W. Eisenmann. No. 1,250,152; Dec. 18; v. 245; p. 568.
- Automatic switch. E. M. Fitz. No. 1,247,946; Nov. 27; v. 244; p. 925.
- Automatic switch. F. A. Kuntz. No. 1,229,294; June 12; v. 239; p. 359.
- Automatic switch. F. A. Lundquist. No. 1,238,163; Aug. 28; v. 241; p. 949.
- Automatic switch. F. A. Lundquist. No. 1,238,164; Aug. 28; v. 241; p. 950.
- Automatic switch. H. H. Palmer. No. 1,237,949; Aug. 21; v. 241; p. 846.
- Automatic switch. J. N. Reynolds. No. 1,238,194; Aug. 28; v. 241; p. 959.
- Automatic switch. E. H. Schwarz. No. 1,221,609; Apr. 3; v. 237; p. 212.
- Automatic switch. W. Scribner. No. 1,248,021; Nov. 27; v. 244; p. 945.
- Automatic wrench. J. A. Stromberg. No. 1,218,488; Mar. 6; v. 236; p. 206.
- Automatically-actuated gate. E. K. Enebo. No. 1,226,761; May 22; v. 238; p. 1036.
- Automatically-controlled gate. R. M. and L. S. Campbell. No. 1,215,906; Feb. 13; v. 235; p. 536.
- Automobile. J. H. Allen. No. 1,230,361; June 19; v. 239; p. 751.
- Automobile. R. S. Fend. No. 1,244,045; Oct. 23; v. 243; p. 915.
- Automobile. D. M. Ferguson. No. 1,232,781; July 10; v. 240; p. 446.
- Automobile. H. S. Hale. No. 1,229,746; June 12; v. 239; p. 511.
- Automobile. J. A. Ingram and W. P. Hatch. No. 1,249,760; Dec. 11; v. 245; p. 416.
- Automobile. O. W. Peterson. No. 1,243,549; Oct. 16; v. 243; p. 727.
- Automobile. A. P. Tonon. No. 1,239,643; Sept. 11; v. 242; p. 322.
- Automobile-accelerators, Foot-rest for. G. W. Boynton. No. 1,229,023; June 5; v. 239; p. 218.
- Automobile air-deflector. W. F. Gage. No. 1,242,541; Oct. 9; v. 243; p. 381.
- Automobile-alarm. A. H. and G. D. Keller. No. 1,245,239; Nov. 6; v. 244; p. 30.
- Automobile-alarm. C. E. Robison and M. Askin. No. 1,230,787; June 19; v. 239; p. 892.
- Automobile ambulance. I. S. Mosher. No. 1,241,418; Sept. 25; v. 242; p. 948.
- Automobile ambulance. M. Ziehlke. No. 1,210,749; Jan. 2; v. 234; p. 128.
- Automobile and other vehicle frame. W. J. P. Moore. No. 1,247,705; Nov. 27; v. 244; p. 855.
- Automobile and power plant. Tractor. A. E. Cook and T. Van Tuyl. No. 1,232,505; July 10; v. 240; p. 356.
- Automobile and the like heater. H. A. Bruggeman. No. 1,218,367; Mar. 6; v. 236; p. 167.
- Automobile and truck. W. D. Paxton. No. 1,242,588; Oct. 9; v. 243; p. 297.
- Automobile and vehicle curtains. Fastener for. D. M. Winans. No. 1,228,627; June 5; v. 239; p. 86.
- Automobile and vehicle signaling device. J. L. M. Kelly. No. 1,222,301; Apr. 10; v. 237; p. 486.
- Automobile-antirattler. W. S. Graffam. No. 1,232,078; July 10; v. 240; p. 411.
- Automobile, Armored. E. M. Blacksher. No. 1,229,867; June 12; v. 239; p. 553.
- Automobile attachment. S. E. Austin. No. 1,240,006; Sept. 11; v. 242; p. 438.
- Automobile attachment. C. W. Coffey. No. 1,249,901; Dec. 11; v. 245; p. 458.
- Automobile attachment. F. W. Gerstenschlager. No. 1,215,017; Feb. 6; v. 235; p. 190.
- Automobile attachment. O. H. Gordon. No. 1,233,661; July 17; v. 240; p. 769.
- Automobile attachment. F. L. Heyer. No. 1,249,396; Dec. 11; v. 245; p. 310.
- Automobile attachment. A. S. Hickox. No. 1,238,404; Aug. 28; v. 241; p. 1028.
- Automobile attachment. T. H. Kruse. No. 1,247,691; Nov. 27; v. 244; p. 850.
- Automobile attachment. E. Maker. No. 1,218,947; Mar. 13; v. 236; p. 407.
- Automobile attachment. C. D. McCormack. No. 1,235,215; July 31; v. 240; p. 1330.
- Automobile attachment. E. R. Miller. No. 1,232,952; July 10; v. 240; p. 502.
- Automobile attachment. V. D. White. No. 1,236,638; Aug. 14; v. 241; p. 389.
- Automobile attachment. V. D. White. No. 1,245,293; Nov. 6; v. 244; p. 45.
- Automobile attachment, Friction-drive. S. A. Dalager. No. 1,211,416; Jan. 9; v. 234; p. 390.
- Automobile auxiliary brake. J. O. Michaud. No. 1,243,960; Oct. 23; v. 243; p. 889.
- Automobile auxiliary seat. W. H. Douglas. No. 1,211,108; Jan. 2; v. 234; p. 251.
- Automobile auxiliary seat. J. C. Gurley. No. 1,223,272; Apr. 17; v. 237; p. 862.
- Automobile-axle brace. W. Brown. No. 1,245,433; Nov. 6; v. 244; p. 87.
- Automobile baggage-carrier. A. F. MacGlashan. No. 1,232,350; July 3; v. 240; p. 271.
- Automobile baggage-holder. S. Hara. No. 1,246,591; Nov. 13; v. 244; p. 465.
- Automobile-bed. J. D. Axtell. No. 1,210,583; Jan. 2; v. 234; p. 71.
- Automobile-bed, Folding. H. S. Cole. No. 1,233,645; July 17; v. 240; p. 764.

- Automobile-body. R. W. Pierson and T. F. Briody. No. 1,242,035; Oct. 2; v. 243; p. 180.
- Automobile-body. G. S. Smith. No. 1,235,731; Aug. 7; v. 241; p. 64.
- Automobile-body. G. O. Stuck. No. 1,228,257; May 29; v. 238; p. 1568.
- Automobile body and seat. J. M. Austin. No. 1,238,480; Aug. 28; v. 241; p. 1053.
- Automobile-body construction. R. Mery. No. 1,227,290; May 22; v. 238; p. 1216.
- Automobile-body, Convertible. K. G. Anderson. No. 1,236,388; Aug. 14; v. 241; p. 307.
- Automobile-body, Convertible. J. A. Anglada. No. 1,233,957; July 17; v. 240; p. 864.
- Automobile-body, Convertible. H. Smith. No. 1,251,433; Dec. 25; v. 245; p. 998.
- Automobile-body support. W. G. Mayer. No. 1,230,748; June 19; v. 239; p. 878.
- Automobile-body-supporting means. L. Lefevre. No. 1,236,323; Aug. 7; v. 241; p. 254.
- Automobile-body ventilator. L. K. Snell. No. 1,218,708; Mar. 13; v. 236; p. 321.
- Automobile-brake. J. Ohelski. No. 1,226,245; May 15; v. 238; p. 828.
- Automobile-brake lock. L. Goldmerstein. No. 1,210,640; Jan. 2; v. 234; p. 91.
- Automobile-brake mechanism. A. J. Scaife. No. 1,245,040; Oct. 30; v. 243; p. 1252.
- Automobile-brake mechanism. G. Stowe and G. E. Molyneux. No. 1,232,621; July 10; v. 240; p. 392.
- Automobile-braking mechanism. J. E. Landry. No. 1,227,805; May 29; v. 238; p. 1417.
- Automobile-bumper. T. A. Hoover. No. 1,212,059; Jan. 9; v. 234; p. 612.
- Automobile-bumper. T. A. Hoover. No. 1,221,800; Apr. 3; v. 237; p. 277.
- Automobile-bumper. F. Lederer. No. 1,216,332; Feb. 20; v. 235; p. 740.
- Automobile-bumper. F. Lederer. No. 1,233,887; July 17; v. 240; p. 841.
- Automobile-bumper. R. M. Palmer. No. 1,247,569; Nov. 20; v. 244; p. 782.
- Automobile-bumper. E. Parradee. No. 1,245,015; Oct. 30; v. 243; p. 1246.
- Automobile-bumper. E. Parradee. No. 1,247,142; Nov. 20; v. 244; p. 661.
- Automobile-bumper. S. C. Rowland. No. 1,218,701; Mar. 13; v. 236; p. 319.
- Automobile-bumper. A. Tisman. No. 1,220,571; Mar. 27; v. 236; p. 1041.
- Automobile-bumper. H. Weileder. No. 1,234,986; July 31; v. 240; p. 1261.
- Automobile bumper and lock, Combined. F. R. Procnier. No. 1,245,124; Oct. 30; v. 243; p. 1278.
- Automobile-chain fasteners, Spring-clip for. Z. E. Rice. No. 1,220,002; Mar. 20; v. 236; p. 801.
- Automobile-chain tightener. M. Boes. No. 1,235,762; Aug. 7; v. 241; p. 76.
- Automobile-chassis, Interchangeable body for. R. Bulow. No. 1,248,410; Nov. 27; v. 244; p. 1054.
- Automobile-circuits, Distributor for. C. J. Wallace. No. 1,244,927; Oct. 30; v. 243; p. 1219.
- Automobile cone-clutch brake. R. M. Waldron, 2d. No. 1,215,750; Feb. 13; v. 235; p. 481.
- Automobile construction. D. F. Johnston. No. 1,246,604; Nov. 13; v. 244; p. 469.
- Automobile-control lock. S. W. Baldwin and C. A. Peney. No. 1,223,236; Apr. 17; v. 237; p. 850.
- Automobile-controlling apparatus. J. H. Pace. No. 1,239,949; Sept. 11; v. 242; p. 422.
- Automobile-controlling device. G. F. Noble. No. 1,235,365; July 31; v. 240; p. 1375.
- Automobile-controlling mechanism. B. B. Wells and L. W. Lapp. No. 1,221,122; Apr. 3; v. 237; p. 41.
- Automobile-cooling apparatus. H. T. Thomas. No. 1,241,681; Oct. 2; v. 243; p. 68.
- Automobile-couch. M. D. Murray. No. 1,241,420; Sept. 25; v. 242; p. 948.
- Automobile-cradle. J. H. Nesbitt. No. 1,232,070; July 3; v. 240; p. 181.
- Automobile current-lock. W. J. Dorgan. No. 1,217,719; Feb. 27; v. 235; p. 1266.
- Automobile-curtain. G. E. Bishop. No. 1,240,928; Sept. 25; v. 242; p. 796.
- Automobile-curtain. M. Rahr, Jr. No. 1,249,828; Dec. 11; v. 245; p. 436.
- Automobile-curtain carrier. H. E. Randall. No. 1,240,091; Sept. 11; v. 242; p. 461.
- Automobile-curtain-hanging device. R. A. Brown and F. M. Arnold. No. 1,236,143; Aug. 7; v. 241; p. 197.
- Automobile-curtain window. J. E. Spencer and A. C. Lilhe. No. 1,219,877; Mar. 20; v. 236; p. 759.
- Automobile-curtains, Antirattling device for. W. C. Koch. No. 1,224,177; May 1; v. 238; p. 22.
- Automobile demountable rim. J. S. Hemenway. No. 1,218,938; Mar. 13; v. 236; p. 405.
- Automobile direction-indicating attachment. F. P. Van Der Veer. No. 1,242,393; Oct. 9; v. 243; p. 334.
- Automobile direction-indicating signal. C. J. Baker. No. 1,250,763; Dec. 18; v. 245; p. 751.
- Automobile direction-indicator. O. C. Baumgart. No. 1,241,904; Oct. 2; v. 243; p. 140.
- Automobile direction-indicator. F. M. Bowen. No. 1,223,250; Apr. 17; v. 237; p. 855.
- Automobile direction-indicator. J. W. Davis. No. 1,224,905; May 8; v. 238; p. 330.
- Automobile direction-indicator. R. J. Miller and J. Bell. No. 1,224,657; May 1; v. 238; p. 193.
- Automobile direction-indicator. C. M. Nash. No. 1,225,721; May 8; v. 238; p. 606.
- Automobile direction-indicator. R. C. Nist. No. 1,249,463; Dec. 11; v. 245; p. 329.
- Automobile direction-indicator. J. A. Trimble and I. R. Concoff. No. 1,245,639; Nov. 6; v. 244; p. 151.
- Automobile direction-indicator. P. W. Vanderhoff. No. 1,234,975; July 31; v. 240; p. 1258.
- Automobile direction-indicator. W. F. Wager. No. 1,234,831; July 31; v. 240; p. 1211.
- Automobile direction-indicator. J. E. Warman. No. 1,216,025; Feb. 13; v. 235; p. 580.
- Automobile direction-indicators, Operating means for. J. M. Middleton and H. T. Shore. No. 1,219,757; Mar. 20; v. 236; p. 716.
- Automobile direction-signal. E. J. Bryan. No. 1,237,291; Aug. 21; v. 241; p. 636.
- Automobile direction-signal. H. C. Eggers. No. 1,229,246; June 12; v. 239; p. 343.
- Automobile direction-signal. J. C. Snow. No. 1,249,229; Dec. 4; v. 245; p. 232.
- Automobile direction signal or indicator. A. R. Tallman. No. 1,234,823; July 31; v. 240; p. 1208.
- Automobile-door. C. C. Adelsperger. No. 1,230,359; June 19; v. 239; p. 750.
- Automobile-door. S. A. Pickens. No. 1,223,903; Apr. 24; v. 237; p. 1118.
- Automobile-door curtain. G. E. Bishop. No. 1,244,692; Oct. 30; v. 243; p. 1147.
- Automobile-door lock. B. E. Taylor. No. 1,246,490; Nov. 13; v. 244; p. 434.
- Automobile-door opener. G. A. Bosler. No. 1,214,488; Jan. 30; v. 234; p. 1548.
- Automobile-door-operating mechanism. H. E. Gustafson. No. 1,218,645; Mar. 13; v. 236; p. 299.
- Automobile draft appliance. R. N. Cranford. No. 1,234,294; July 24; v. 240; p. 1008.
- Automobile drive mechanism. H. J. Schmick. No. 1,245,621; Nov. 6; v. 244; p. 145.
- Automobile-driver's hand-protector. D. G. White. No. 1,251,313; Dec. 25; v. 245; p. 963.
- Automobile driving-gear. P. L. Jordan. No. 1,224,750; May 1; v. 238; p. 226.
- Automobile driving mechanism. B. A. Adler. No. 1,218,613; Mar. 6; v. 236; p. 251.
- Automobile driving mechanism. H. Corwin, Jr. No. 1,247,229; Nov. 20; v. 244; p. 686.
- Automobile-elevating device. W. C. Bellows. No. 1,245,310; Nov. 6; v. 244; p. 51.
- Automobile-elevator. V. T. Wright. No. 1,248,235; Nov. 27; v. 244; p. 1005.
- Automobile emergency draft appliance. E. H. Knowles. No. 1,212,647; Jan. 16; v. 234; p. 851.
- Automobile-engine. H. W. Wistner. No. 1,230,257; June 19; v. 239; p. 717.
- Automobile-engines, Kerosene-vaporizer for. L. B. White. No. 1,220,039; Mar. 20; v. 236; p. 814.
- Automobile-engines, Lifting device for. H. Mayer and G. Schlatter. No. 1,242,712; Oct. 9; v. 243; p. 436.
- Automobile-engines, Water-shield for. J. H. Huff. No. 1,232,550; July 10; v. 240; p. 370.
- Automobile extension, Adjustable. N. L. Olson. No. 1,243,862; Oct. 23; v. 243; p. 860.
- Automobile extension-top. A. J. Sears. No. 1,232,103; July 3; v. 240; p. 192.
- Automobile-fan-belt tightener. W. M. Reynolds. No. 1,238,822; Sept. 4; v. 242; p. 33.
- Automobile-fender. P. Angelillo. No. 1,240,004; Sept. 11; v. 242; p. 437.
- Automobile-fender. W. Henke. No. 1,240,141; Sept. 11; v. 242; p. 477.
- Automobile-fender. B. Kempler. No. 1,240,057; Sept. 11; v. 242; p. 451.
- Automobile-fender. T. Masuda. No. 1,248,366; Nov. 27; v. 244; p. 1042.
- Automobile-fender. F. McCallin. No. 1,233,589; July 17; v. 240; p. 746.
- Automobile-fender. R. M. Nelson. No. 1,229,124; June 5; v. 239; p. 252.
- Automobile-fender. W. C. Reutter. No. 1,223,904; Apr. 24; v. 237; p. 1118.
- Automobile-fender. A. J. State. No. 1,211,887; Jan. 9; v. 234; p. 554.
- Automobile-fender. A. Tansley and W. H. Russell. No. 1,233,727; July 17; v. 240; p. 789.
- Automobile-fender. R. Throckmorton. No. 1,212,850; Jan. 16; v. 234; p. 920.
- Automobile-fender. M. Uribe. No. 1,226,420; May 15; v. 238; p. 887.
- Automobile-fender. S. T. Walkup. No. 1,237,589; Aug. 21; v. 241; p. 733.
- Automobile-fender, Automatic. J. Koniuszewski. No. 1,219,113; Mar. 13; v. 236; p. 464.
- Automobile-fender, Collapsible. W. Colvin. No. 1,241,709; Oct. 2; v. 243; p. 76.
- Automobile folding bed. G. Gallavan. No. 1,236,284; Aug. 7; v. 241; p. 242.
- Automobile for collecting and distributing. M. B. Church. No. 1,210,762; Jan. 2; v. 234; p. 132.

Alphabetical list of inventions—Continued.

- Automobile-frame extension. W. N. Shannon. No. 1,250,677; Dec. 18; v. 245; p. 725.
- Automobile friction steering device. I. Hanten. No. 1,220,104; Mar. 20; v. 236; p. 839.
- Automobile front-wheel drive mechanism. L. S. Kuns and J. E. Carter. No. 1,232,335; July 3; v. 240; p. 267.
- Automobile fuel-control device. W. M. Remington. No. 1,246,157; Nov. 13; v. 244; p. 333.
- Automobile fuel-gage. J. A. Britton. No. 1,225,618; May 15; v. 238; p. 949.
- Automobile fuel-tank. W. H. Hollar. No. 1,238,073; Aug. 21; v. 241; p. 886.
- Automobile gas-lock. W. Morris. No. 1,246,772; Nov. 13; v. 244; p. 517.
- Automobile gasoline-tanks, Register and indicator for. C. Eberhart, Jr. No. 1,242,664; Oct. 9; v. 243; p. 421.
- Automobile gear-shift, Automatic. A. N. Chenoweth. No. 1,213,794; Jan. 23; v. 234; p. 1280.
- Automobile-gear-shift levers, Safety-latch for. A. A. Still. No. 1,234,579; July 24; v. 240; p. 1100.
- Automobile-gearing. F. Banks. No. 1,225,102; May 8; v. 238; p. 397.
- Automobile-gearing. D. M. Ferguson. No. 1,232,780; July 10; v. 240; p. 446.
- Automobile glare-shield. A. C. Freeman, Jr. No. 1,225,608; May 8; v. 238; p. 569.
- Automobile grade-indicator. R. B. Potter. No. 1,232,394; July 3; v. 240; p. 285.
- Automobile-guard. G. T. Burrell. No. 1,225,406; May 8; v. 238; p. 501.
- Automobile guard and fender. E. Marinka. No. 1,214,049; Jan. 30; v. 234; p. 1399.
- Automobile hay-rake. D. O. Holeman. No. 1,251,373; Dec. 25; v. 245; p. 981.
- Automobile-heater. J. J. Brent. No. 1,213,069; Jan. 16; v. 234; p. 996.
- Automobile-heater. J. R. Creighton. No. 1,221,691; Apr. 3; v. 237; p. 230.
- Automobile-heater. T. C. Crouch. No. 1,219,924; Mar. 20; v. 236; p. 775.
- Automobile-heater. T. C. Hough. No. 1,214,921; Feb. 6; v. 235; p. 154.
- Automobile-heater. J. J. Redkey. No. 1,217,064; Feb. 20; v. 235; p. 991.
- Automobile heating and cooling apparatus. J. Verderber. No. 1,213,305; Jan. 23; v. 234; p. 1112.
- Automobile heating system. P. Brier. No. 1,211,667; Jan. 9; v. 234; p. 475.
- Automobile-hood. S. A. Deanes. No. 1,241,933; Oct. 2; v. 243; p. 149.
- Automobile-hood. A. W. Dickerson. No. 1,246,246; Nov. 13; v. 244; p. 359.
- Automobile-hood. H. E. Kailer. No. 1,242,813; Oct. 9; v. 243; p. 467.
- Automobile-hood. A. G. McGregor. No. 1,215,684; Feb. 13; v. 235; p. 459.
- Automobile-hood. L. Norvell. No. 1,226,576; May 15; v. 238; p. 936.
- Automobile hood and radiator cover. C. C. Anderson. No. 1,218,039; Mar. 6; v. 236; p. 53.
- Automobile-hood cover. E. B. Nathan. No. 1,227,181; May 22; v. 238; p. 1181.
- Automobile-hood fastener. E. T. Lark. No. 1,222,549; Apr. 10; v. 237; p. 575.
- Automobile-hood lock. L. W. Gustafson. No. 1,227,048; May 22; v. 238; p. 1135.
- Automobile-horn. R. H. Manson. No. 1,216,828; Feb. 20; v. 235; p. 912.
- Automobile ignition-switches, Combination-lock for. L. M. Greif. No. 1,238,134; Aug. 28; v. 241; p. 939.
- Automobile-indicator. H. Claude and O. Lacombe. No. 1,240,176; Sept. 18; v. 242; p. 527.
- Automobile-indicator. H. M. Nichols. No. 1,237,082; Aug. 14; v. 241; p. 533.
- Automobile-indicator. J. G. Pannebaker. No. 1,217,052; Feb. 20; v. 235; p. 988.
- Automobile-jack. B. T. Barton and W. M. Nolin. No. 1,216,923; Feb. 20; v. 235; p. 944.
- Automobile-jack. W. H. Bulla. No. 1,226,059; May 15; v. 238; p. 764.
- Automobile-jack. E. Haakenson. No. 1,217,757; Feb. 27; v. 235; p. 1279.
- Automobile-jack. M. J. Haug. No. 1,224,298; May 1; v. 238; p. 66.
- Automobile-jack. C. A. Hovey. No. 1,249,757; Dec. 11; v. 245; p. 415.
- Automobile-jack. J. Lamprecht. No. 1,217,609; Feb. 27; v. 235; p. 1228.
- Automobile-jack. G. W. Lee. No. 1,230,908; June 26; v. 239; p. 970.
- Automobile-jack. J. M. Lowe. No. 1,249,437; Dec. 11; v. 245; p. 321.
- Automobile-jack. A. F. Lutz. No. 1,223,814; Apr. 24; v. 237; p. 1088.
- Automobile-jack. T. J. Nash. No. 1,230,315; June 19; v. 239; p. 736.
- Automobile-jack. C. T. Nelson. No. 1,224,561; May 1; v. 238; p. 160.
- Automobile-jack. F. R. Parmenter. No. 1,241,011; Sept. 25; v. 242; p. 821.
- Automobile-jack. L. M. Pratt. No. 1,251,280; Dec. 25; v. 245; p. 953.
- Automobile-jack. A. J. Schubert. No. 1,248,929; Dec. 4; v. 245; p. 146.
- Automobile-jack. W. A. Stewart. No. 1,238,591; Aug. 23; v. 241; p. 1089.
- Automobile-jack. L. Townsend. No. 1,215,082; Feb. 6; v. 235; p. 211.
- Automobile-jack. I. A. Weaver. No. 1,211,373; Jan. 2; v. 234; p. 339.
- Automobile jack and roller, Combination. J. J. Olson. No. 1,248,896; Dec. 4; v. 245; p. 138.
- Automobile-jack and tire-pump, Combined. W. F. Rawlings. No. 1,213,012; Jan. 16; v. 234; p. 978.
- Automobile-jack, Automatic. E. E. Cunningham and H. L. Wilson. No. 1,212,329; Jan. 16; v. 234; p. 738.
- Automobile-jack, Automatic. W. P. Evans. No. 1,214,024; Jan. 30; v. 234; p. 1390.
- Automobile license-plate. D. D. Bartolomeo. No. 1,250,543; Dec. 18; v. 245; p. 686.
- Automobile license-sign. H. Brewster. No. 1,219,236; Mar. 13; v. 236; p. 505.
- Automobile-lift. B. S. and E. L. Benner. No. 1,218,510; Mar. 6; v. 236; p. 214.
- Automobile-lifter. B. E. Hensley. No. 1,234,759; July 31; v. 240; p. 1190.
- Automobile-lifting apparatus. O. E. Seymour. No. 1,240,496; Sept. 18; v. 242; p. 628.
- Automobile-lifting device. M. M. Lane and H. L. Boston. No. 1,248,872; Dec. 4; v. 245; p. 133.
- Automobile lifting-jack. A. Peteler. No. 1,214,710; Feb. 6; v. 235; p. 81.
- Automobile-lifting-jack apparatus. E. F. Kandlbinder. No. 1,225,644; May 8; v. 238; p. 580.
- Automobile-light-circuit controller. B. A. Morrison and J. H. Duis. No. 1,248,375; Nov. 27; v. 244; p. 1045.
- Automobile light-circuits, Current-regulator for. A. Wehmeier. No. 1,236,796; Aug. 14; v. 241; p. 443.
- Automobile-lighting apparatus. F. E. Wilson. No. 1,248,968; Dec. 4; v. 245; p. 157.
- Automobile-loading attachment. W. A. Atwood. No. 1,237,448; Aug. 21; v. 241; p. 688.
- Automobile-lock. H. I. Abbott. No. 1,228,633; June 5; v. 239; p. 88.
- Automobile-lock. J. P. Becker. No. 1,224,258; May 1; v. 238; p. 52.
- Automobile-lock. D. Berger. No. 1,216,054; Feb. 13; v. 235; p. 591.
- Automobile-lock. C. A. Bull. No. 1,233,973; July 17; v. 240; p. 869.
- Automobile-lock. C. N. Cahusac. No. 1,231,125; June 26; v. 239; p. 1047.
- Automobile-lock. H. D. and W. M. Calvin. No. 1,211,674; Jan. 9; v. 234; p. 477.
- Automobile-lock. J. F. Carson. No. 1,226,467; May 15; v. 238; p. 901.
- Automobile-lock. H. M. Cloude. No. 1,237,870; Aug. 21; v. 241; p. 821.
- Automobile-lock. C. A. Conger. No. 1,237,753; Aug. 21; v. 241; p. 786.
- Automobile-lock. P. J. Coté. No. 1,236,913; Aug. 14; v. 241; p. 479.
- Automobile-lock. P. J. Coté. No. 1,236,914; Aug. 14; v. 241; p. 479.
- Automobile-lock. C. O. Dick. No. 1,218,932; Mar. 13; v. 236; p. 403.
- Automobile-lock. J. M. Dougherty and H. C. Tabler. No. 1,210,914; Jan. 2; v. 234; p. 185.
- Automobile-lock. M. R. Golz. No. 1,221,044; Apr. 3; v. 237; p. 14.
- Automobile-lock. C. B. Hebbard. No. 1,250,313; Dec. 18; v. 245; p. 617.
- Automobile-lock. J. R. Jackson. No. 1,223,052; Apr. 17; v. 237; p. 789.
- Automobile-lock. F. H. Knight. No. 1,223,888; Apr. 24; v. 237; p. 1113.
- Automobile-lock. A. W. Lamp. No. 1,230,907; June 26; v. 239; p. 970.
- Automobile-lock. R. M. McMahan and J. B. Mauger. No. 1,221,882; Apr. 10; v. 237; p. 340.
- Automobile-lock. C. M. Mueller. No. 1,241,239; Sept. 25; v. 242; p. 892.
- Automobile-lock. E. T. Needham. No. 1,215,837; Feb. 13; v. 235; p. 512.
- Automobile-lock. S. Nicola. No. 1,238,557; Aug. 28; v. 241; p. 1078.
- Automobile-lock. G. H. Peake. No. 1,222,456; Apr. 10; v. 237; p. 541.
- Automobile-lock. G. B. Reed. No. 1,244,893; Oct. 30; v. 243; p. 1209.
- Automobile-lock. E. W. Rogers and T. C. Riebe. No. 1,238,945; Sept. 4; v. 242; p. 72.
- Automobile-lock. F. Scholly. No. 1,230,799; June 19; v. 239; p. 896.
- Automobile-lock. E. V. Slauson. No. 1,235,730; Aug. 7; v. 241; p. 64.
- Automobile-lock. G. L. Stuart. No. 1,247,594; Nov. 20; v. 244; p. 789.
- Automobile-lock. A. H. Sturges. No. 1,247,896; Nov. 27; v. 244; p. 911.
- Automobile-lock. C. W. Sturr. No. 1,218,013; Mar. 6; v. 236; p. 43.
- Automobile-lock. S. L. Terry. No. 1,236,889; Aug. 14; v. 241; p. 470.

- Automobile-lock. J. F. Vervoort. No. 1,236,124; Aug. 7; v. 241; p. 191.
- Automobile-lock. H. A. Williams. No. 1,240,471; Sept. 25; v. 242; p. 963.
- Automobile lock attachment. J. G. Dobler. No. 1,247,512; Nov. 20; v. 244; p. 766.
- Automobile lock mechanism. S. H. Fish. No. 1,250,575; Dec. 18; v. 245; p. 696.
- Automobile lock mechanism. G. C. Jensen. No. 1,221,993; Apr. 10; v. 237; p. 378.
- Automobile lock mechanism. G. C. Jensen. No. 1,221,994; Apr. 10; v. 237; p. 379.
- Automobile-locking apparatus. W. G. Vance. No. 1,218,495; Mar. 6; v. 236; p. 209.
- Automobile-locking device. M. W. Boyce. No. 1,211,064; Jan. 2; v. 234; p. 237.
- Automobile-locking device. M. W. Boyce. No. 1,220,315; Mar. 27; v. 236; p. 951.
- Automobile-locking device. I. D. Perry. No. 1,215,323; Feb. 6; v. 235; p. 293.
- Automobile-locking device. G. R. Rompf. No. 1,219,488; Mar. 20; v. 236; p. 622.
- Automobile-locking device. L. C. Schermerhorn. No. 1,223,906; Apr. 24; v. 237; p. 1119.
- Automobile-locking device. J. M. White. No. 1,228,625; June 5; v. 239; p. 85.
- Automobile-locking device. I. Yelton and R. C. Stry. No. 1,232,746; July 10; v. 240; p. 436.
- Automobile-locking means. G. M. Anderson. No. 1,250,123; Dec. 18; v. 245; p. 559.
- Automobile luggage-carrier. E. M. Arnold. No. 1,233,162; July 10; v. 240; p. 569.
- Automobile luggage-rack. J. C. Morrison. No. 1,217,807; Feb. 27; v. 235; p. 1296.
- Automobile-mat. E. A. Cohen and C. C. Colyer. No. 1,216,077; Feb. 13; v. 235; p. 599.
- Automobile non-skid tire-chains, Attachment for. H. G. Macwilliam. No. 1,237,929; Aug. 21; v. 241; p. 840.
- Automobile or motor-cycle horn. R. H. Manson. No. 1,211,208; Jan. 2; v. 234; p. 285.
- Automobile-pedal lock. A. B. and E. O. Hoefelman. No. 1,225,130; May 8; v. 238; p. 406.
- Automobile-pedals, Extension attachment for. R. Lawrence. No. 1,242,819; Oct. 9; v. 243; p. 470.
- Automobile permutation-lock. E. E. Quaintance. No. 1,238,435; Aug. 28; v. 241; p. 1038.
- Automobile pneumatic brake. C. F. Candler. No. 1,213,457; Jan. 23; v. 234; p. 1166.
- Automobile power-jack. D. S. Everett. No. 1,212,200; Jan. 16; v. 234; p. 689.
- Automobile power-transmission-gear-shift device. C. D. Smelser. No. 1,237,713; Aug. 21; v. 241; p. 773.
- Automobile power-transmitting apparatus. R. D. Braden and C. D. Wright. No. 1,243,649; Oct. 16; v. 243; p. 758.
- Automobile power-transmitting apparatus. C. D. Wright. No. 1,230,259; June 19; v. 239; p. 717.
- Automobile projectile. H. E. Elrod. No. 1,231,867; July 3; v. 240; p. 111.
- Automobile propelling and controlling mechanism. A. Kroeter. No. 1,246,116; Nov. 13; v. 244; p. 320.
- Automobile, Protector and lubricant-retainer for the joints of the steering mechanism and other parts of an. C. W. Beck. No. 1,221,015; Apr. 3; v. 237; p. 4.
- Automobile-puller. F. T. Owsley. No. 1,250,344; Dec. 18; v. 245; p. 627.
- Automobile-radiator. J. M. Fedders. No. 1,217,732; Feb. 27; v. 235; p. 1270.
- Automobile-radiator. I. Fleischmann. No. 1,227,770; May 29; v. 238; p. 1406.
- Automobile-radiators, Heat-controller for. R. Carlson. No. 1,248,073; Nov. 27; v. 244; p. 959.
- Automobile rain-shield. W. L. Scott. No. 1,238,579; Aug. 28; v. 241; p. 1085.
- Automobile-rim protector. E. A. Torrance. No. 1,221,245; Apr. 3; v. 237; p. 86.
- Automobile-rims, Rim-tool for. G. E. Lundberg. No. 1,214,807; Feb. 6; v. 235; p. 111.
- Automobile roller-jack. A. C. Hopkins. No. 1,242,111; Oct. 2; v. 243; p. 204.
- Automobile route-indicator. H. A. Hubschmitt, Jr. No. 1,236,565; Aug. 14; v. 241; p. 365.
- Automobile runner attachment. J. O'Brien. No. 1,236,343; Aug. 7; v. 241; p. 259.
- Automobile-running-board support. W. S. Schuyler. No. 1,215,721; Feb. 13; v. 235; p. 471.
- Automobile running-boards, Foot scraper and cleaner for. W. A. Roos. No. 1,212,111; Jan. 9; v. 234; p. 629.
- Automobile running-gear. C. D. Radliff. No. 1,213,904; Jan. 30; v. 234; p. 1349.
- Automobile runway and lift. A. A. Winer. No. 1,225,549; May 8; v. 238; p. 548.
- Automobile safety-crank. C. E. Glenn. No. 1,233,773; July 17; v. 240; p. 803.
- Automobile safety device. E. C. Shilling. No. 1,231,531; June 26; v. 239; p. 1178.
- Automobile safety device. H. and C. Weinberg. No. 1,222,828; Apr. 17; v. 237; p. 713.
- Automobile safety-sign. V. Pavloff and Z. Orizaroff. No. 1,218,308; Mar. 6; v. 236; p. 148.
- Automobile safety-signal. R. Gardner and P. E. Krier. No. 1,234,329; July 24; v. 240; p. 1019.
- Automobile safety-signal. D. R. Lashbrook. No. 1,235,335; July 31; v. 240; p. 1366.
- Automobile safety-signal. J. D. Mulvehill. No. 1,236,099; Aug. 7; v. 241; p. 184.
- Automobile safety steering device. F. Culter. No. 1,250,287; Dec. 18; v. 245; p. 609.
- Automobile safety steering device. F. M. Ross. No. 1,248,014; Nov. 27; v. 244; p. 943.
- Automobile-sander. A. A. Roth and B. B. James. No. 1,243,632; Oct. 16; v. 243; p. 753.
- Automobile-seat. H. M. Crane and R. R. Zimmer. No. 1,245,195; Nov. 6; v. 244; p. 16.
- Automobile-seat. W. R. French. No. 1,240,192; Sept. 18; v. 242; p. 532.
- Automobile-seat, Attachable. J. H. Nienstadt. No. 1,224,405; May 1; v. 238; p. 105.
- Automobile-seat, Adjustable. J. W. Daniels. No. 1,211,295; Jan. 2; v. 234; p. 316.
- Automobile-seat, Adjustable. L. Malone. No. 1,219,654; Mar. 20; v. 236; p. 681.
- Automobile-seat, Extra. R. G. Kelly. No. 1,236,316; Aug. 7; v. 241; p. 251.
- Automobile-seat, Removable. L. A. Freedman. No. 1,210,789; Jan. 2; v. 234; p. 142.
- Automobile-seating. C. B. Chatfield. No. 1,222,360; Apr. 10; v. 237; p. 508.
- Automobile-security-lock device. A. Mushaway. No. 1,250,207; Dec. 18; v. 245; p. 585.
- Automobile-signal. S. L. Carpenter. No. 1,240,024; Sept. 11; v. 242; p. 443.
- Automobile-signal. S. H. Davis. No. 1,228,187; May 29; v. 238; p. 1545.
- Automobile-signal. O. G. Deats. No. 1,247,797; Nov. 27; v. 244; p. 884.
- Automobile-signal. C. G. Diedrich. No. 1,238,725; Aug. 28; v. 241; p. 1128.
- Automobile-signal. H. C. Delan. No. 1,236,152; Aug. 7; v. 241; p. 200.
- Automobile-signal. J. T. Dye and F. S. Clark. No. 1,211,115; Jan. 2; v. 234; p. 253.
- Automobile-signal. W. A. and F. W. Falck. No. 1,236,830; Aug. 14; v. 241; p. 453.
- Automobile-signal. J. W. Fey. No. 1,225,022; May 8; v. 238; p. 370.
- Automobile-signal. A. W. Garity. No. 1,232,023; July 3; v. 240; p. 164.
- Automobile-signal. E. P. Goodchild. No. 1,240,702; Sept. 18; v. 242; p. 690.
- Automobile-signal. C. F. Gromann. No. 1,243,510; Oct. 16; v. 243; p. 716.
- Automobile-signal. B. Grutza. No. 1,250,162; Dec. 8; v. 245; p. 571.
- Automobile-signal. C. M. Hosford. No. 1,215,155; Feb. 6; v. 235; p. 234.
- Automobile-signal. E. L. Johnson. No. 1,225,714; May 8; v. 238; p. 603.
- Automobile-signal. D. J. Lanehart. No. 1,215,037; Feb. 6; v. 235; p. 196.
- Automobile-signal. J. H. MacLean. No. 1,243,320; Oct. 16; v. 243; p. 660.
- Automobile-signal. C. J. Mancl and N. A. Nelson. No. 1,238,169; Aug. 28; v. 241; p. 952.
- Automobile-signal. W. H. Miller. No. 1,234,787; July 31; v. 240; p. 1198.
- Automobile-signal. G. H. Nierman. No. 1,238,430; Aug. 28; v. 241; p. 1036.
- Automobile-signal. J. K. Payne. No. 1,215,845; Feb. 13; v. 235; p. 515.
- Automobile-signal. H. T. Randle. No. 1,226,004; May 15; v. 238; p. 744.
- Automobile-signal. J. C. Roeber. No. 1,241,444; Sept. 25; v. 242; p. 956.
- Automobile-signal. A. P. Rothermich. No. 1,224,022; Apr. 24; v. 237; p. 1158.
- Automobile-signal. S. F. Saxton. No. 1,217,223; Feb. 27; v. 235; p. 1091.
- Automobile-signal. J. C. and I. F. Simpson. No. 1,248,937; Dec. 4; v. 245; p. 149.
- Automobile-signal. T. M. Smith. No. 1,248,188; Nov. 27; v. 244; p. 992.
- Automobile-signal. R. L. B. Struble. No. 1,244,560; Oct. 30; v. 243; p. 1108.
- Automobile-signal. A. Sturtevant. No. 1,237,120; Aug. 14; v. 241; p. 546.
- Automobile-signal. R. W. Thibodeau. No. 1,213,709; Jan. 23; v. 234; p. 1251.
- Automobile-signal. V. Walsh. No. 1,227,226; May 22; v. 238; p. 1196.
- Automobile-signal. L. L. Zacharias. No. 1,245,853; Nov. 6; v. 244; p. 216.
- Automobile-signal device. L. L. Schmidt and T. W. Beuchel. No. 1,215,203; Feb. 6; v. 235; p. 251.
- Automobile-signal device. E. Simpson. No. 1,215,209; Feb. 6; v. 235; p. 253.
- Automobile-signal device. P. O. Swedberg. No. 1,240,899; Sept. 25; v. 242; p. 786.
- Automobile signaling device. R. S. Brown. No. 1,245,864; Nov. 6; v. 244; p. 219.
- Automobile signaling device. J. K. Barleigh and L. V. White. No. 1,213,456; Jan. 23; v. 234; p. 1165.
- Automobile signaling device. E. C. Cox. No. 1,222,078; Apr. 10; v. 237; p. 406.
- Automobile signaling device. T. J. and E. J. Downing. No. 1,242,896; Oct. 9; v. 243; p. 494.
- Automobile signaling device. G. M. Ducas. No. 1,233,203; July 10; v. 240; p. 583.

Alphabetical list of inventions—Continued.

- Automobile signaling device. A. W. Johnson. No. 1,223,981; Apr. 24; v. 237; p. 1143.
- Automobile signaling device. L. J. Killian. No. 1,212,863; Jan. 16; v. 234; p. 748.
- Automobile signaling device. H. T. Murphy. No. 1,211,213; Jan. 2; v. 234; p. 287.
- Automobile signaling device. H. P. Noble. No. 1,216,481; Feb. 20; v. 235; p. 794.
- Automobile signaling device. H. A. Pearse. No. 1,236,755; Aug. 14; v. 241; p. 430.
- Automobile signaling device. C. H. Shipman. No. 1,221,772; Apr. 3; v. 237; p. 267.
- Automobile signaling device. L. F. and J. C. Simpson. No. 1,248,938; Dec. 4; v. 245; p. 149.
- Automobile signaling device, Electric. G. F. Voight. No. 1,230,957; June 26; v. 239; p. 988.
- Automobile sled attachment. E. Stanley. No. 1,229,161; June 5; v. 239; p. 264.
- Automobile sled-runner. L. J. Collins. No. 1,229,889; June 12; v. 239; p. 559.
- Automobile-sleeper. F. D. Hall. No. 1,243,288; Oct. 16; v. 243; p. 650.
- Automobile speed control and lock, Combined. A. Braun. No. 1,251,176; Dec. 25; v. 245; p. 923.
- Automobile-speed-locking device. V. A. Williams. No. 1,218,028; Mar. 6; v. 236; p. 48.
- Automobile speed-regulator. I. E. Henry. No. 1,239,391; Sept. 4; v. 242; p. 214.
- Automobile spot-light. W. L. Kaufmann. No. 1,235,809; Aug. 7; v. 241; p. 92.
- Automobile-spring. W. Leroux. No. 1,233,675; July 17; v. 240; p. 773.
- Automobile-spring clamp. H. T. Whittekin. No. 1,236,522; Aug. 14; v. 241; p. 351.
- Automobile-spring suspension. O. P. Edwards. No. 1,230,466; June 19; v. 239; p. 786.
- Automobile-springs, Emergency device for. J. E. Allonby. No. 1,217,894; Mar. 6; v. 236; p. 3.
- Automobile-stabilizer. J. A. Kittle. No. 1,210,490; Jan. 2; v. 234; p. 39.
- Automobile-starter. E. Bootz. (Reissue.) No. 14,297; May 8; v. 238; p. 611.
- Automobile-starter. H. Chisholm. No. 1,246,233; Nov. 13; v. 244; p. 356.
- Automobile-starter. P. M. Lincoln. No. 1,222,222; Apr. 10; v. 237; p. 459.
- Automobile-starter. T. E. Reynolds. No. 1,223,292; Apr. 17; v. 237; p. 868.
- Automobile-starter, Mechanical. N. D. Munn. No. 1,237,803; Aug. 21; v. 241; p. 801.
- Automobile starting and generating system. A. Churchward. No. 1,247,793; Nov. 27; v. 244; p. 882.
- Automobile starting and lighting set. G. E. Stevens. No. 1,246,674; Nov. 13; v. 244; p. 488.
- Automobile starting-crank. F. E. Mains. No. 1,224,401; May 1; v. 238; p. 103.
- Automobile starting-crank. A. E. Miller. No. 1,236,587; Aug. 14; v. 241; p. 372.
- Automobile starting-crank. A. E. Miller. No. 1,236,588; Aug. 14; v. 241; p. 372.
- Automobile starting device. C. B. Mills. No. 1,215,568; Feb. 13; v. 235; p. 416.
- Automobile starting mechanism. J. L. Adams, Jr. No. 1,248,776; Dec. 4; v. 245; p. 103.
- Automobile starting mechanism. F. Conrad and J. P. Nikonow. No. 1,215,490; Feb. 13; v. 235; p. 386.
- Automobile starting mechanism. F. Conrad and C. E. Wilson. No. 1,246,057; Nov. 13; v. 244; p. 304.
- Automobile starting mechanism. W. G. Mylius. No. 1,247,138; Nov. 20; v. 244; p. 659.
- Automobile starting mechanism. J. B. Nikonow. No. 1,231,639; July 3; v. 240; p. 33.
- Automobile starting mechanism. C. E. Wilson. No. 1,215,453; Feb. 13; v. 235; p. 372.
- Automobile starting mechanism. C. E. Wilson. No. 1,246,205; Nov. 13; v. 244; p. 347.
- Automobile starting mechanism. C. E. Wilson. No. 1,246,206; Nov. 13; v. 244; p. 348.
- Automobile starting mechanism. C. E. Wilson. No. 1,246,207; Nov. 13; v. 244; p. 348.
- Automobile starting mechanism. C. E. Wilson. No. 1,246,691; Nov. 13; v. 244; p. 493.
- Automobile starting mechanism, Pneumatic. C. L. Walker. No. 1,250,735; Dec. 18; v. 245; p. 742.
- Automobile starting mechanism, Steam-. J. C. Fuller. No. 1,234,826; July 24; v. 240; p. 1018.
- Automobile starting system. F. Conrad. No. 1,246,717; Nov. 13; v. 244; p. 500.
- Automobile starting system. A. W. Copley. No. 1,246,719; Nov. 13; v. 244; p. 501.
- Automobile starting system. J. R. Langley. No. 1,246,761; Nov. 13; v. 244; p. 513.
- Automobile steering apparatus. J. Rebman. No. 1,235,055; July 31; v. 240; p. 1283.
- Automobile steering apparatus. E. Ruegamer. No. 1,251,111; Dec. 25; v. 245; p. 903.
- Automobile steering attachment. W. J. Corkran. No. 1,233,987; July 17; v. 240; p. 873.
- Automobile steering attachment and self-starting device. J. Marcinkowski and J. Buada. No. 1,224,402; May 1; v. 238; p. 103.
- Automobile-steering-control lock. J. H. Baker and C. D. Oberholzer. No. 1,238,247; Aug. 28; v. 241; p. 977.
- Automobile steering-coupling. J. G. Porter. No. 1,222,666; Apr. 17; v. 237; p. 657.
- Automobile steering device. W. B. Elam. No. 1,214,144; Jan. 30; v. 234; p. 1430.
- Automobile steering device. W. J. Laughlin. No. 1,223,988; Apr. 24; v. 237; p. 1145.
- Automobile steering device. Z. Nielsen. No. 1,222,238; Apr. 10; v. 237; p. 465.
- Automobile steering-gear. H. B. McKenzie. No. 1,243,317; Oct. 16; v. 243; p. 659.
- Automobile-steering-gear lock. H. W. Foote. No. 1,211,835; Jan. 6; v. 234; p. 535.
- Automobile-steering-gear lock. R. C. Shepherd. No. 1,220,996; Mar. 27; v. 236; p. 1183.
- Automobile steering mechanism. H. T. Hazard. (Re-issue.) No. 14,385; Oct. 30; v. 243; p. 1286.
- Automobile steering mechanism. R. Serban. No. 1,225,737; May 8; v. 238; p. 610.
- Automobile steering mechanism. H. C. Stratford. No. 1,227,851; May 29; v. 238; p. 1434.
- Automobile steering-wheel. C. S. Hall. No. 1,225,622; May 8; v. 238; p. 573.
- Automobile steering-wheel. G. T. Otte. No. 1,239,948; Sept. 11; v. 242; p. 421.
- Automobile-steering-wheel lock. J. L. Hughes. No. 1,243,941; Oct. 23; v. 243; p. 883.
- Automobile-steering-wheel lock. C. E. Mentzer. No. 1,227,644; May 29; v. 238; p. 1362.
- Automobile-steering-wheel lock. H. Neu and L. Blaha. No. 1,231,050; June 26; v. 239; p. 1021.
- Automobile-steering-wheel-locking means. J. A. Bowden. No. 1,224,440; May 1; v. 238; p. 118.
- Automobile-steering-wheel-locking means. J. A. Bowden. No. 1,225,697; May 8; v. 238; p. 597.
- Automobile-supporting device. H. C. King. No. 1,212,646; Jan. 16; v. 234; p. 850.
- Automobile-swing. S. M. Moore. No. 1,218,443; Mar. 6; v. 236; p. 192.
- Automobile-switch control. H. E. Miller. No. 1,241,752; Oct. 2; v. 243; p. 91.
- Automobile tail-light. J. A. Morin. No. 1,225,472; May 8; v. 238; p. 523.
- Automobile tail-light and signal. W. E. Hart. No. 1,231,736; July 3; v. 240; p. 68.
- Automobile-tank filler. J. L. Nilson and J. Prince. No. 1,212,384; Jan. 16; v. 234; p. 756.
- Automobile-theft-prevention device. T. W. McNally, Jr. No. 1,249,798; Dec. 11; v. 245; p. 428.
- Automobile thief-alarm. W. H. Hanssen. No. 1,220,627; Mar. 27; v. 236; p. 1060.
- Automobile-throttle-controlling mechanism. H. and A. P. Herrold. No. 1,218,939; Mar. 13; v. 236; p. 405.
- Automobile tool-case. T. J. Chappell. No. 1,237,750; Aug. 21; v. 241; p. 785.
- Automobile-top. S. Kahn. No. 1,230,904; June 26; v. 239; p. 969.
- Automobile-top. H. W. McMullin. No. 1,246,449; Nov. 13; v. 244; p. 421.
- Automobile-top. J. Vicie and H. J. Sandberg. No. 1,225,377; May 8; v. 238; p. 492.
- Automobile-top attachment. G. Farnsworth. No. 1,249,730; Dec. 11; v. 245; p. 407.
- Automobile-top, Disappearing. H. G. Womack. No. 1,233,946; July 17; v. 240; p. 861.
- Automobile-top-holding device. B. Berkovitz. No. 1,250,949; Dec. 25; v. 245; p. 857.
- Automobile-top, One-man folding. E. P. Porcher. No. 1,244,366; Oct. 23; v. 243; p. 1010.
- Automobile-top patch. H. C. Thompson. No. 1,211,642; Jan. 9; v. 234; p. 467.
- Automobile-tops, Bow-clamp for. C. V. Bates. No. 1,244,281; Oct. 23; v. 243; p. 986.
- Automobile torque-arm. J. W. Reigel. No. 1,239,521; Sept. 11; v. 242; p. 283.
- Automobile towing connection. J. E. Funk. No. 1,220,214; Mar. 27; v. 236; p. 914.
- Automobile tractor. W. H. Zimmerman. No. 1,234,437; July 24; v. 240; p. 1056.
- Automobile tractor. W. H. Zimmerman. No. 1,236,813; Aug. 14; v. 241; p. 448.
- Automobile tractor attachment. E. A. Faut. No. 1,222,750; Apr. 17; v. 237; p. 686.
- Automobile tractor-vehicle. O. A. Hollis. No. 1,229,082; June 5; v. 239; p. 236.
- Automobile traffic-indicator. J. M. Gillies and A. Moynihan. No. 1,216,435; Feb. 20; v. 235; p. 778.
- Automobile traffic-signal. B. B. Buck. No. 1,238,387; Aug. 28; v. 241; p. 1023.
- Automobile traffic-signal. F. J. Koch. No. 1,244,990; Oct. 30; v. 243; p. 1238.
- Automobile traffic-signal. A. B. Trott. No. 1,244,259; Oct. 23; v. 243; p. 979.
- Automobile-trailer. C. A. Rogers. No. 1,228,138; May 29; v. 238; p. 1530.
- Automobile-trailer attachment. P. A. Wood. No. 1,250,066; Dec. 11; v. 245; p. 503.
- Automobile-trailers, Coupling-bar for. J. Knapp. No. 1,250,899; Dec. 18; v. 245; p. 792.
- Automobile transmission. W. A. Miller. No. 1,239,505; Sept. 11; v. 242; p. 278.
- Automobile transmission-gear. E. Obrecht. No. 1,246,779; Nov. 13; v. 244; p. 519.
- Automobile transmission-gearing. J. E. Kellenberger. No. 1,247,279; Nov. 20; v. 244; p. 700.

- Automobile transmission mechanism. W. E. Haupt. No. 1,230,896; June 26; v. 239; p. 966.
- Automobile transmission mechanism. J. A. Reinschmidt. No. 1,251,418; Dec. 25; v. 245; p. 993.
- Automobile truck attachment. R. D. Gaston. No. 1,236,286; Aug. 7; v. 241; p. 243.
- Automobile truck-body. C. L. Cappel. No. 1,220,183; Mar. 27; v. 236; p. 904.
- Automobile turn-table. T. J. Welch. No. 1,249,263; Dec. 4; v. 245; p. 242.
- Automobile-turner. H. E. Sharp. No. 1,220,028; Mar. 20; v. 236; p. 810.
- Automobile turning and stopping signal. J. Boeck. No. 1,211,279; Jan. 2; v. 234; p. 312.
- Automobile turning-signal. J. M. Wyman. No. 1,224,348; May 1; v. 238; p. 84.
- Automobile-ventilator. R. N. Beare. No. 1,247,490; Nov. 20; v. 244; p. 760.
- Automobile visual and audible signal. M. Forsberg. No. 1,237,498; Aug. 21; v. 241; p. 703.
- Automobile, War-. F. Sabah. No. 1,228,603; June 5; v. 239; p. 78.
- Automobile warning device. B. Zabel. No. 1,236,526; Aug. 14; v. 241; p. 352.
- Automobile-washer. J. P. Johnson. No. 1,230,072; June 12; v. 239; p. 617.
- Automobile-wheel. S. Dominguez. No. 1,225,789; May 15; v. 238; p. 672.
- Automobile-wheel. T. L. Good and T. L. Tandy. No. 1,221,529; Apr. 3; v. 237; p. 186.
- Automobile-wheel. F. W. Howard. No. 1,247,681; Nov. 27; v. 244; p. 848.
- Automobile-wheel. J. L. Kunz. No. 1,237,065; Aug. 14; v. 241; p. 528.
- Automobile-wheel. H. M. Schloss. No. 1,234,394; July 24; v. 240; p. 1041.
- Automobile-wheel. L. C. Schwab. No. 1,227,841; May 29; v. 238; p. 1430.
- Automobile-wheel anchor. G. W. Marchant and C. B. Burch. No. 1,215,395; Feb. 13; v. 235; p. 352.
- Automobile-wheel guard. W. O. Bunnell and Q. A. Gates. No. 1,239,347; Sept. 4; v. 242; p. 201.
- Automobile-wheel guard. S. T. Walkup. No. 1,237,590; Aug. 21; v. 241; p. 733.
- Automobile-wheel-positioning device. C. Christiansen. No. 1,225,109; May 8; v. 238; p. 399.
- Automobile-wheel, Pressure-gage. J. J. Weinandt. No. 1,216,192; Feb. 13; v. 235; p. 640.
- Automobile-wheels, Attachment for. W. E. Dilsaver. No. 1,249,350; Dec. 11; v. 245; p. 298.
- Automobile-wheels, Mud or ice tread for. J. G. Crouch. No. 1,214,435; Jan. 30; v. 234; p. 1530.
- Automobile-wheels, Traction device for. C. F. Highfield. No. 1,241,848; Oct. 2; v. 243; p. 121.
- Automobile wind-shield. E. B. Hess. No. 1,243,937; Oct. 23; v. 243; p. 882.
- Automobile wind-shield. E. B. Hess. No. 1,244,732; Oct. 30; v. 243; p. 1161.
- Automobile wind-shield. E. B. Hess. No. 1,244,854; Oct. 30; v. 243; p. 1196.
- Automobile wind-shield. E. B. Hess. No. 1,244,855; Oct. 30; v. 243; p. 1196.
- Automobile wind-shield. E. B. Hess. (Reissue.) No. 1,441,3; Dec. 13; v. 245; p. 807.
- Automobile wind-shield. T. B. Nisbet. No. 1,238,803; Sept. 4; v. 242; p. 26.
- Automobile-wind-shield cleaner. G. E. Goodrich. No. 1,211,698; Jan. 9; v. 234; p. 485.
- Automobile-wind-shield cleaner. B. C. Thronson. No. 1,235,257; July 31; v. 240; p. 1343.
- Automobile wind-shield, Sectional. F. A. Dillingham. No. 1,229,594; June 12; v. 239; p. 461.
- Automobiles, Accelerator device for. M. S. Baldwin. No. 1,223,235; Apr. 17; v. 237; p. 850.
- Automobiles, Air-resistance speed-control device for. W. C. Carnegie. No. 1,236,263; Aug. 7; v. 241; p. 236.
- Automobiles and attachments thereof, Locking mechanism for. F. O. Boswell. No. 1,232,648; July 10; v. 240; p. 400.
- Automobiles and other conveyances, Inner tube to be used on. E. M. Pearson. No. 1,223,827; Apr. 24; v. 237; p. 1092.
- Automobiles and other vehicles, Elastic suspension device for the frames of. W. J. P. Moore. No. 1,243,752; Oct. 25; v. 243; p. 825.
- Automobiles and other vehicles, Locking device for. C. A. Pabst. No. 1,223,825; Apr. 24; v. 237; p. 1092.
- Automobiles and other vehicles, Running-gear for. W. S. Prosky. No. 1,243,217; Oct. 16; v. 243; p. 629.
- Automobiles and other vehicles, Steering-gear for. L. M. Dieterich. No. 1,232,775; July 10; v. 240; p. 444.
- Automobiles and similar vehicles, Locking device for. T. J. O'Brien. No. 1,244,237; Oct. 23; v. 243; p. 972.
- Automobiles and the like, Electric mechanism for starting. C. B. Kurtz. No. 1,230,175; June 19; v. 239; p. 690.
- Automobiles, Antikicking device for. H. P. Miller. No. 1,219,759; Mar. 20; v. 236; p. 717.
- Automobiles, Appliance to be attached to. W. B. Graham. No. 1,217,594; Feb. 27; v. 235; p. 1223.
- Automobiles, Attachable tractor for. H. D. Hapeman. No. 1,238,762; Sept. 4; v. 242; p. 13.
- Automobiles, Automatic covering for. D. C. Watt and F. A. Grearson. No. 1,233,425; July 17; v. 240; p. 691.
- Automobiles, Automatic gear-shift for. E. L. Miller. No. 1,244,629; Oct. 30; v. 243; p. 1128.
- Automobiles, Automatic guiding attachment for. I. J. Fosha. No. 1,240,555; Sept. 18; v. 242; p. 646.
- Automobiles, Automatic starter and lighter for. W. A. Turbayne. No. 1,217,244; Feb. 27; v. 235; p. 1099.
- Automobiles, Auxiliary carrier for. C. C. Crawford. No. 1,249,338; Dec. 11; v. 245; p. 294.
- Automobiles, Auxiliary constant-fuel-supply apparatus for. J. W. Wellington. No. 1,244,667; Oct. 30; v. 243; p. 1140.
- Automobiles, Axle attachment for. J. Hansen. No. 1,227,611; May 29; v. 238; p. 1350.
- Automobiles, Baby-carrier for. G. P. MacGowan. No. 1,217,474; Feb. 27; v. 235; p. 1179.
- Automobiles, Bearing for signals for. G. R. Williams. No. 1,223,917; Apr. 24; v. 237; p. 1122.
- Automobiles, Brake-shaft-operating mechanism for. H. Josephson. No. 1,227,797; May 29; v. 238; p. 1415.
- Automobiles, Carrier attachment for. H. L. Biegert. No. 1,243,034; Oct. 16; v. 243; p. 574.
- Automobiles, Clutch-pedal lock for. E. L. Taylor. No. 1,250,711; Dec. 18; v. 245; p. 736.
- Automobiles, Combination liquid-lock for. N. H. Wirtz. No. 1,239,997; Sept. 11; v. 242; p. 435.
- Automobiles, Combination-tank for. S. C. Pandolfo. No. 1,250,495; Dec. 18; v. 245; p. 672.
- Automobiles, Combined antiswaying and spring-guard device for. F. L. Ordway. No. 1,212,666; Jan. 16; v. 234; p. 858.
- Automobiles, Combined dash and toe board for. H. G. Moore. No. 1,243,962; Oct. 23; v. 243; p. 890.
- Automobiles, Combined fender, absorber, and brake-set for. A. H. Aaron and E. A. Teeter. No. 1,246,372; Nov. 13; v. 244; p. 399.
- Automobiles, Compressed-gas controlling and igniting mechanism for. C. J. Pembroke. No. 1,216,485; Feb. 20; v. 235; p. 795.
- Automobiles, Condenser for. J. B. High. No. 1,219,000; Mar. 13; v. 236; p. 426.
- Automobiles, Cot for use in. R. H. Proctor. No. 1,236,351; Aug. 7; v. 241; p. 262.
- Automobiles, Cut-out for. P. F. Mara. No. 1,217,800; Feb. 27; v. 235; p. 1294.
- Automobiles, Device for removing stalled. E. Sypkens. No. 1,241,679; Oct. 2; v. 243; p. 68.
- Automobiles, &c., Differential gearing for. J. P. P. Cardin. No. 1,227,382; May 22; v. 238; p. 1245.
- Automobiles, Differential mechanism for. H. W. Connell. No. 1,217,917; Mar. 6; v. 236; p. 11.
- Automobiles, Dimming device for regulating the electric lights of. R. E. Reed. No. 1,235,244; July 31; v. 240; p. 1338.
- Automobiles, Dirigible-lamp mechanism for. F. L. Johnson. No. 1,245,729; Nov. 6; v. 244; p. 177.
- Automobiles, Dirigible-light apparatus for. J. H. Reed. No. 1,242,042; Oct. 2; v. 243; p. 182.
- Automobiles, Dirigible light for. E. L. McCaslin. No. 1,213,220; Jan. 23; v. 234; p. 1082.
- Automobiles, Drive mechanism for. E. R. Hewitt. No. 1,224,543; May 1; v. 238; p. 154.
- Automobiles, Electric-circuit closer for. G. F. Voight. No. 1,239,236; Sept. 4; v. 242; p. 166.
- Automobiles, Electric control for. C. S. Altschul. No. 1,223,925; Apr. 24; v. 237; p. 1125.
- Automobiles, Electrical system for. F. Conrad. No. 1,248,460; Dec. 4; v. 245; p. 9.
- Automobiles, Elevated traction device for. G. Horniack. No. 1,251,033; Dec. 25; v. 245; p. 881.
- Automobiles, Emergency-stop for. J. F. Jennings. No. 1,211,710; Jan. 9; v. 234; p. 489.
- Automobiles, Emergency-windlass for. L. Fernholz. No. 1,225,946; May 15; v. 238; p. 725.
- Automobiles, Extension seat-back for. H. D. Chandler. No. 1,221,969; Apr. 10; v. 237; p. 370.
- Automobiles, Flag-holder attachment for. W. P. Seng. No. 1,240,377; Sept. 18; v. 242; p. 591.
- Automobiles, Folding bed for. D. M. Westcott and H. M. Vincent. No. 1,226,426; May 15; v. 238; p. 889.
- Automobiles, Foot-accelerator for. W. E. Ryan. No. 1,223,619; Apr. 24; v. 237; p. 1018.
- Automobiles, Foot control for the gasoline-supply of. E. J. Fulghum. No. 1,238,126; Aug. 28; v. 241; p. 936.
- Automobiles, Four-wheel drive for. C. W. Kennedy. No. 1,229,971; June 12; v. 239; p. 584.
- Automobiles from mud-holes, Device for pulling. L. H. Adamson. No. 1,219,210; Mar. 13; v. 236; p. 497.
- Automobiles from mud-holes, Device for pulling. L. H. Adamson. No. 1,240,472; Sept. 25; v. 242; p. 964.
- Automobiles from theft, Means for protecting. J. M. Chapman. No. 1,247,640; Nov. 27; v. 244; p. 834.
- Automobiles, Fuel-feeding device for. W. H. Muzzy. No. 1,222,235; Apr. 10; v. 237; p. 463.
- Automobiles, Gear-shifting lever for. G. A. E. Mellin. No. 1,232,449; July 3; v. 240; p. 301.
- Automobiles, Gearless differential for. W. T. and J. C. Code. No. 1,237,018; Aug. 14; v. 241; p. 513.
- Automobiles, Grease-catching device for. C. F. Pearson. No. 1,231,189; June 26; v. 239; p. 1067.
- Automobiles, Holder for tail-lights and number-plates for. E. E. Poole. No. 1,238,816; Sept. 4; v. 242; p. 31.
- Automobiles in freight-cars, Construction for loading. A. Copony. (Reissue.) No. 14,335; July 31; v. 240; p. 1430.

Alphabetical list of inventions—Continued.

- Automobiles, Instrument-board for. A. F. Holmberg. No. 1,211,707; Jan. 9; v. 234; p. 488.
- Automobiles into trucks, Means for converting. E. Greer. No. 1,244,727; Oct. 30; v. 243; p. 1159.
- Automobiles, Lamp and road-lighting system for. S. Lichtenstein. No. 1,248,140; Nov. 27; v. 244; p. 979.
- Automobiles, Lever-controlling device for planetary-gear. B. D. Stevenson. No. 1,249,688; Dec. 11; v. 245; p. 394.
- Automobiles, Locker-forming attachment for. J. R. Tufts. No. 1,237,421; Aug. 21; v. 241; p. 679.
- Automobiles, Locking device for center-controlled levers for shift-gears for. T. G. Anderson and H. A. McCoy. No. 1,247,202; Nov. 20; v. 244; p. 678.
- Automobiles, Locking device for gear-shifting levers of. I. C. Ellis. No. 1,215,509; Feb. 13; v. 235; p. 393.
- Automobiles, Locking device for the steering-gears of. T. Cuff. No. 1,211,550; Jan. 9; v. 234; p. 436.
- Automobiles, Lunch-carrier for. C. D. Updegraff. No. 1,240,391; Sept. 18; v. 242; p. 596.
- Automobiles, Machine for producing radiator-tubing for. S. Gargiulo. No. 1,225,730; May 8; v. 238; p. 608.
- Automobiles, Means for preventing rattling and lost motion of the steering-arms of Ford. M. Leader. No. 1,220,648; Mar. 27; v. 236; p. 1067.
- Automobiles, Mud-hole attachment for. C. M. Dailey. No. 1,235,557; Aug. 7; v. 241; p. 9.
- Automobiles, Number-plate bracket for. G. G. Bayne. No. 1,214,119; Jan. 30; v. 234; p. 1422.
- Automobiles or other closed bodies, Roof for. W. M. Healey. No. 1,237,902; Aug. 21; v. 241; p. 832.
- Automobiles or other vehicles, Mud-guard for. E. D. Self. No. 1,235,251; July 31; v. 240; p. 1341.
- Automobiles out of mud-holes, Device for lifting. J. Brown. No. 1,226,458; May 15; v. 238; p. 898.
- Automobiles, Portable turn-table for. J. P. L. Jorgensen. No. 1,250,318; Dec. 18; v. 245; p. 618.
- Automobiles, Power-transmission and driving mechanism for. T. F. McCallister. No. 1,240,069; Sept. 11; v. 242; p. 454.
- Automobiles, Power-transmitting apparatus for. C. G. Polleys. No. 1,219,040; Mar. 13; v. 236; p. 440.
- Automobiles, Power-transmitting attachment for. F. V. Chudomelka. No. 1,244,424; Oct. 23; v. 243; p. 1028.
- Automobiles, Protector for motor devices of. E. B. Hess. No. 1,228,436; June 5; v. 239; p. 21.
- Automobiles, Pump attachment for. H. G. Potter. No. 1,222,027; Apr. 10; v. 237; p. 390.
- Automobiles, Radius-rod for. B. C. Knudsen. No. 1,221,190; Apr. 3; v. 237; p. 67.
- Automobiles, Recording device for. C. Bornmann. No. 1,218,364; Mar. 6; v. 236; p. 166.
- Automobiles, Removable window structure for. M. A. Buch. No. 1,249,897; Dec. 11; v. 245; p. 457.
- Automobiles, Revolving light for. E. K. Macomber. No. 1,224,763; May 1; v. 238; p. 230.
- Automobiles, &c., Safety-brake for. B. M. McMeekin and H. N. Downs. No. 1,229,110; June 5; v. 239; p. 247.
- Automobiles, Safety reverse-movement lock for. C. P. Cirac. No. 1,237,169; Aug. 14; v. 241; p. 559.
- Automobiles, Sand-rim for. A. E. Gray. No. 1,240,337; Sept. 18; v. 242; p. 579.
- Automobiles, Self-locking mechanism for steering-wheel shafts of. S. A. Covart. No. 1,221,688; Apr. 3; v. 237; p. 238.
- Automobiles, Speed-changing device for. E. L. Conord. No. 1,230,125; June 19; v. 239; p. 672.
- Automobiles, Spring-attaching means for. H. Evans. No. 1,222,087; Apr. 10; v. 237; p. 410.
- Automobiles, Spring-suspended frame for. F. Guenther. No. 1,228,319; May 29; v. 238; p. 1588.
- Automobiles, Telltale and switch for rear signal-lights for. W. P. Seng. No. 1,216,370; Feb. 20; v. 235; p. 754.
- Automobiles, Theft-preventing mechanism for. J. Frykberg. No. 1,221,435; Apr. 3; v. 237; p. 153.
- Automobiles, Throttle-controller for. S. A. Pritchard. No. 1,228,244; May 29; v. 238; p. 1564.
- Automobiles, Touring accessory for. O. Sundquist. No. 1,241,449; Sept. 25; v. 242; p. 957.
- Automobiles, Traction and fire-protecting device for. A. C. Tilgner. No. 1,228,619; June 5; v. 239; p. 83.
- Automobiles, Tractor attachment for. G. S. Jacobs. No. 1,243,414; Oct. 16; v. 243; p. 686.
- Automobiles, Tractor attachment for. C. L. Olmstead. No. 1,234,074; July 17; v. 240; p. 900.
- Automobiles, Transmission control for. R. P. Palmer. No. 1,212,670; Jan. 16; v. 234; p. 860.
- Automobiles, Transmission for. A. G. Herreshoff. No. 1,242,803; Oct. 9; v. 243; p. 464.
- Automobiles, Transmission-gear for. E. M. Halbert. No. 1,212,210; Jan. 16; v. 234; p. 693.
- Automobiles, Transmission mechanism for. H. L. Fisher. No. 1,234,000; July 17; v. 240; p. 877.
- Automobiles, Transmission mechanism for. L. C. Freeman. No. 1,223,333; Apr. 17; v. 237; p. 882.
- Automobiles, Underpan construction for. J. M. and A. C. Edginton. No. 1,213,848; Jan. 30; v. 234; p. 1329.
- Automobiles, Variable-speed transmission mechanism for. W. K. Thomas. No. 1,239,541; Sept. 11; v. 242; p. 291.
- Automobiles, Watch-holder for. A. H. Wolf. No. 1,216,531; Feb. 20; v. 235; p. 811.
- Automobiles, Wheel-extractor for. W. W. Turner. No. 1,222,908; Apr. 17; v. 237; p. 739.
- Automobiles, Wire-wheel carrier for. F. G. Liady. No. 1,231,393; June 26; v. 239; p. 1135.
- Automonocycle. L. G. Wilson. No. 1,236,030; Aug. 7; v. 241; p. 165.
- Autoplow. A. Kuefer. No. 1,225,339; May 8; v. 238; p. 478.
- Autotrailer. C. A. Behlen. No. 1,227,872; May 29; v. 238; p. 1441.
- Autotruck. A. B. Rishel. No. 1,250,225; Dec. 18; v. 245; p. 591.
- Autotruck-fender. L. C. Madsen. No. 1,228,461; June 5; v. 239; p. 30.
- Autotruck-loading device. R. S. Maxwell. No. 1,231,182; June 26; v. 239; p. 1065.
- Autovehicles, Electrical system for. R. Varley. (Re-issue.) No. 14,352; Jan. 23; v. 234; p. 1287.
- Autovehicles, Friction transmission-gear for. J. W. Tabor. No. 1,215,076; Feb. 6; v. 235; p. 209.
- Auxiliary joint. C. A. Harvey. No. 1,233,228; July 10; v. 240; p. 590.
- Auxiliary seat. O. V. Dunn. No. 1,213,762; Jan. 23; v. 234; p. 1268.
- Auxiliary tank and means for maintaining the temperature of a circulating fluid. A. B. Modine. No. 1,233,100; July 10; v. 240; p. 549.
- Aviator's belt-support. A. V. Roe. No. 1,239,041; Sept. 4; v. 242; p. 102.
- Aviator's safety device. J. Onofrichuk. No. 1,250,213; Dec. 18; v. 245; p. 587.
- Aviators, Safety device for. K. W. Olson. No. 1,229,503; June 12; v. 239; p. 429.
- Awning. J. B. Fedorowicz. No. 1,248,299; Nov. 27; v. 244; p. 1025.
- Awning. C. L. Foord. No. 1,212,619; Jan. 16; v. 234; p. 839.
- Awning. L. A. Howe. No. 1,246,601; Nov. 13; v. 244; p. 437.
- Awning. E. C. Pfanschmidt. No. 1,231,786; July 3; v. 240; p. 84.
- Awning. H. H. Schroyer. No. 1,243,988; Oct. 23; v. 243; p. 897.
- Awning. E. Staehelin. No. 1,250,239; Dec. 18; v. 245; p. 595.
- Awning. C. J. Truemper. No. 1,222,907; Apr. 17; v. 237; p. 739.
- Awning. W. H. Walger, Jr. No. 1,218,725; Mar. 13; v. 236; p. 327.
- Awning. W. Walger. No. 1,230,244; June 19; v. 239; p. 712.
- Awning. P. F. Walger. No. 1,234,983; July 31; v. 240; p. 1260.
- Awning. H. S. Wilson. No. 1,237,006; Aug. 14; v. 241; p. 509.
- Awning-fixture. D. H. Harnly. No. 1,232,916; July 10; v. 240; p. 490.
- Awning-frame. W. Wells. No. 1,248,227; Nov. 27; v. 244; p. 1003.
- Awning-rolls, Automatic stop means for. W. R. Cunningham. No. 1,240,179; Sept. 18; v. 242; p. 527.
- Awning-support. F. W. Burch. No. 1,218,591; Mar. 6; v. 236; p. 242.
- Awning-support. R. B. Hughes. No. 1,217,765; Feb. 27; v. 235; p. 1281.
- Awning-support. R. B. Hughes. No. 1,249,759; Dec. 11; v. 245; p. 415.
- Awning support, Shade. A. Henauer. No. 1,228,668; June 5; v. 239; p. 99.
- Ax, Folding. E. Klepsch. No. 1,220,858; Mar. 27; v. 236; p. 1139.
- Ax, Manufacturing an. G. W. Campbell. No. 1,224,853; May 1; v. 238; p. 261.
- Ax or similar tool. W. Yanert. No. 1,219,895; Mar. 20; v. 236; p. 765.
- Ax-rack. J. M. Howeth. No. 1,232,923; July 10; v. 240; p. 493.
- Axle. J. J. Carney. No. 1,215,619; Feb. 13; v. 235; p. 435.
- Axle. N. J. Lewis. No. 1,248,684; Dec. 4; v. 245; p. 75.
- Axle and transmission construction, Rear. J. G. Heaslet. No. 1,212,635; Jan. 16; v. 234; p. 846.
- Axle, Automobile. F. J. Ballweg. No. 1,227,029; May 22; v. 238; p. 1129.
- Axle, Automobile front. S. R. Ramsay. No. 1,226,809; May 22; v. 238; p. 1054.
- Axle, Ball-bearing. F. J. Cochran. No. 1,210,422; Jan. 2; v. 234; p. 15.
- Axle-box lid. Car. D. W. McCord and I. A. Randel. No. 1,228,576; June 5; v. 239; p. 69.
- Axle brace, Buggy. W. T. Mooney. No. 1,216,346; Feb. 20; v. 235; p. 745.
- Axle brace, Front. R. Brittain. No. 1,221,665; Apr. 3; v. 237; p. 220.
- Axle, Car. J. F. Fox. No. 1,249,370; Dec. 11; v. 245; p. 303.
- Axle casing, Rear. W. W. Spearman. No. 1,248,739; Dec. 4; v. 245; p. 92.
- Axle-collar. G. M. Eaton. No. 1,239,893; Sept. 11; v. 242; p. 404.
- Axle-collars, Wearing-plate for. W. C. Orr. No. 1,245,960; Nov. 6; v. 244; p. 246.
- Axle construction. P. Evans. No. 1,228,307; May 29; v. 238; p. 1584.
- Axle construction, Automobile. C. A. Dean. No. 1,224,449; May 1; v. 238; p. 121.

- Axle construction for motor-vehicles, Rear-. C. W. Kelsey. No. 1,219,006; Mar. 13; v. 236; p. 428.
- Axle construction, Front-. A. P. Brush. No. 1,223,469; Apr. 24; v. 237; p. 963.
- Axle construction, Rear-. A. M. Chase. No. 1,245,680; Nov. 6; v. 244; p. 163.
- Axle, Differential. R. C. Wetherell. No. 1,241,457; Sept. 25; v. 242; p. 959.
- Axle, Driving-. A. M. Laycock. No. 1,236,949; Aug. 14; v. 241; p. 491.
- Axle for automobiles, Floating. C. S. Weigelt. No. 1,234,241; July 24; v. 240; p. 991.
- Axle for motor-vehicles, Combination steering and driving. J. W. Lupher. No. 1,233,487; July 17; v. 240; p. 711.
- Axle-housings, Making. R. E. Fries. No. 1,243,398; Oct. 16; v. 243; p. 681.
- Axle, Lubricating-. G. L. Birch. No. 1,216,768; Feb. 20; v. 230; p. 893.
- Axle-lubricating device. W. P. Kearney. No. 1,243,946; Oct. 23; v. 243; p. 885.
- Axle-lubricating device and nut-lock, Combined. R. McLaughlin. No. 1,231,180; June 26; v. 239; p. 1064.
- Axle-lubricator. T. O. Organ. No. 1,225,483; May 8; v. 238; p. 526.
- Axle lubricator, Car-. J. Alexander. No. 1,216,044; Feb. 13; v. 235; p. 588.
- Axle lubricator, Car-. O. Miller. No. 1,230,821; June 19; v. 239; p. 903.
- Axle, Motor-vehicle. H. W. Alden. No. 1,241,893; Oct. 2; v. 243; p. 136.
- Axle, Motor-vehicle driving-. S. D. Waldon. No. 1,228,504; June 5; v. 239; p. 44.
- Axle-mounting. R. S. Trott. No. 1,247,747; Nov. 27; v. 244; p. 868.
- Axle-mounting for motor-vehicles. G. and W. Geer. No. 1,214,151; Jan. 30; v. 234; p. 1432.
- Axle or shafting guard. P. E. Tarlton. No. 1,227,342; May 22; v. 238; p. 1238.
- Axle, Pit-car. F. M. Osborne. No. 1,225,166; May 8; v. 238; p. 417.
- Axle, Self-lubricating. J. J. Carney. No. 1,244,029; Oct. 23; v. 243; p. 910.
- Axle, Self-oiling rear. W. B. Hurlburt. No. 1,247,276; Nov. 20; v. 244; p. 699.
- Axle-setting tool. J. Hirst. No. 1,233,271; July 10; v. 240; p. 603.
- Axle stretcher, stover, and bender. F. A. Black. No. 1,236,583; Aug. 14; v. 241; p. 355.
- Axle structure, Worm-drive. T. J. Lindsay. (Reissue.) No. 14,398; Nov. 27; v. 244; p. 1062.
- Axle, Vehicle-. W. F. Bird. No. 1,224,262; May 1; v. 238; p. 53.
- Axle, Vehicle-. M. E. Griswold. No. 1,237,509; Aug. 21; v. 241; p. 707.
- Axle, Vehicle-. M. E. Griswold. No. 1,243,401; Oct. 16; v. 243; p. 682.
- Axle, Wagon-. F. Reissner. No. 1,219,153; Mar. 13; v. 236; p. 478.
- Axles, Antifriction-bearing for. J. N. Vandegriff. No. 1,215,749; Feb. 13; v. 235; p. 480.
- Azimuth-chronometer. H. S. Butterfield. No. 1,219,372; Mar. 13; v. 236; p. 553.
- Babbitt-retaining composition. L. Cameron. No. 1,215,109; Feb. 6; v. 235; p. 219.
- Baby-jumper. J. M. Erwin. No. 1,221,850; Apr. 10; v. 237; p. 327.
- Baby-jumper. S. H. Hunter. No. 1,233,240; July 10; v. 240; p. 593.
- Baby-jumper. N. E. Kurten. No. 1,238,693; Aug. 28; v. 241; p. 1118.
- Baby-jumper. C. R. Patten. No. 1,230,018; June 12; v. 239; p. 598.
- Baby-walker. J. S. Lyon. No. 1,223,707; Apr. 24; v. 237; p. 1050.
- Back-band. D. H. Harden. No. 1,210,796; Jan. 2; v. 234; p. 144.
- Back, Device for indicating the outline of the. E. C. Berriman. No. 1,234,527; July 24; v. 240; p. 1084.
- Back, Folding. H. W. Weed. No. 1,227,351; May 22; v. 238; p. 1236.
- Back-pedaling brake. J. S. Copeland. No. 1,234,137; July 24; v. 240; p. 957.
- Back-rest, Automatic. G. E. Peterson. (Reissue.) No. 14,299; May 8; v. 238; p. 612.
- Back-rest, Folding. H. E. Butler. No. 1,219,437; Mar. 20; v. 236; p. 605.
- Bacteria and fungi exterminator. W. R. Kleckner. No. 1,227,454; May 22; v. 238; p. 1268.
- Badge, Mechanical. G. S. Nickum. No. 1,234,559; July 24; v. 240; p. 1095.
- Baffle-plate. B. C. Calderwood. No. 1,222,733; Apr. 17; v. 237; p. 680.
- Bag. See—
- Air-bag.
- Breathing-bag.
- Caddy-bag.
- Clothes-bag.
- Clothes-pin bag.
- Dust-bag.
- Feed-bag.
- Game and shell bag.
- Golf-bag.
- Hand-bag.
- Laundry-bag.
- Nose-bag.
- Pack-bag.
- Paper bag.
- Refuse-collecting bag.
- Shopping-bag.
- Sleeping-bag.
- Traveling-bag.
- Watch-bag.
- Water-bag.
- Waterproof bag.
- Bag. G. E. Huggins. No. 1,211,853; Jan. 9; v. 234; p. 542.
- Bag. J. W. Leary. No. 1,238,411; Aug. 28; v. 241; p. 1030.
- Bag. G. E. Strauss. No. 1,228,715; June 5; v. 239; p. 116.
- Bag-carrier. M. J. Bird. No. 1,246,530; Nov. 13; v. 244; p. 446.
- Bag clasp, Hand-. F. J. Quigan. No. 1,241,657; Oct. 2; v. 243; p. 60.
- Bag-counting means. J. Duvall. No. 1,210,618; Jan. 2; v. 234; p. 83.
- Bag-fastener. F. A. Fuller. No. 1,211,931; Jan. 9; v. 234; p. 570.
- Bag-fastener. F. A. Fuller. No. 1,225,950; May 15; v. 238; p. 726.
- Bag-fastener. F. A. Fuller. No. 1,232,525; July 10; v. 240; p. 362.
- Bag-fastener. F. A. Fuller. No. 1,247,106; Nov. 20; v. 244; p. 650.
- Bag-fastener. H. M. Gallie. No. 1,236,285; Aug. 7; v. 241; p. 243.
- Bag-fastener. W. R. Gatlin. No. 1,236,159; Aug. 7; v. 241; p. 202.
- Bag-fastener. J. L. Orr. No. 1,243,865; Oct. 23; v. 243; p. 861.
- Bag fastener, Grain-. W. Taggart. No. 1,243,233; Oct. 16; v. 243; p. 633.
- Bag fastening and locking mechanism. H. Tarshis, L. Berzon, and J. Brezin. No. 1,245,132; Oct. 30; v. 243; p. 1281.
- Bag-filling mechanism. E. F. Anderson. No. 1,216,257; Feb. 20; v. 235; p. 715.
- Bag for umbrellas, shoes, and other articles. S. Spector. No. 1,220,798; Mar. 27; v. 236; p. 1115.
- Bag-frame. F. A. Fuller. No. 1,232,526; July 10; v. 240; p. 363.
- Bag-frame. F. A. Fuller. No. 1,240,557; Sept. 18; v. 242; p. 646.
- Bag-frame. W. A. Heilmann. No. 1,220,224; Mar. 27; v. 236; p. 917.
- Bag-frame fastener. H. Tueckmantel. No. 1,247,182; Nov. 20; v. 244; p. 672.
- Bag-frame fastener. L. Widlak. No. 1,229,845; June 12; v. 239; p. 545.
- Bag-frame, Sheet-metal. W. A. Heilmann. No. 1,224,540; May 1; v. 238; p. 152.
- Bag-holder. R. Allen. No. 1,242,755; Oct. 9; v. 243; p. 450.
- Bag-holder. A. D. Back. (Reissue.) No. 14,279; Apr. 3; v. 237; p. 283.
- Bag-holder. C. G. G. Bergstrom. No. 1,230,060; June 12; v. 239; p. 611.
- Bag-holder. L. D. Burtch. No. 1,221,671; Apr. 3; v. 237; p. 232.
- Bag-holder. W. W. Camp. No. 1,216,941; Feb. 20; v. 235; p. 950.
- Bag-holder. A. P. Craig. No. 1,214,761; Feb. 6; v. 235; p. 98.
- Bag-holder. P. Israelson. No. 1,240,852; Sept. 25; v. 242; p. 771.
- Bag-holder. O. E. Peterson. No. 1,214,064; Jan. 30; v. 234; p. 1404.
- Bag-holder. C. Schrears. No. 1,225,866; May 15; v. 238; p. 697.
- Bag-holder. L. S. Sherwood. No. 1,235,388; July 31; v. 240; p. 1381.
- Bag holder and filler. J. R. Runions. No. 1,244,900; Oct. 30; v. 243; p. 1211.
- Bag-holding device. J. N. Weyland. No. 1,218,142; Mar. 6; v. 236; p. 89.
- Bag-jaw fastener. R. L. Praher. No. 1,237,382; Aug. 21; v. 241; p. 667.
- Bag-machine. C. B. Sanders. No. 1,249,509; Dec. 11; v. 245; p. 343.
- Bag-making machine. H. G. Bender. No. 1,240,924; Sept. 25; v. 242; p. 795.
- Bag numbering and marking machine. A. B. Vasquez. No. 1,234,511; July 24; v. 240; p. 1079.
- Bag or receptacle. B. Ries. No. 1,228,822; June 5; v. 239; p. 152.
- Bag reinforcement and handle. L. F. Hutchison. No. 1,233,784; July 17; v. 240; p. 807.
- Bag-ribbon. S. English. No. 1,246,898; Nov. 20; v. 244; p. 591.
- Bag-shaking machine. L. P. Willsea. No. 1,214,628; Feb. 6; v. 235; p. 51.
- Bag-tie. W. Taggart. No. 1,243,232; Oct. 16; v. 243; p. 633.
- Bag-tying machine. L. D. Nelson. No. 1,226,794; May 22; v. 238; p. 1049.
- Bag-tying machines, Tension device for. J. Jessen. No. 1,247,961; Nov. 27; v. 244; p. 929.
- Bags, Device for wire-tying. A. S. Kuhn and R. R. Miller. No. 1,242,353; Oct. 9; v. 243; p. 321.
- Bags, Machine for wire-tying. R. R. Miller. No. 1,222,014; Apr. 10; v. 237; p. 385.
- Bags or suitcases, Handle for traveling. B. Markowitz. No. 1,233,504; Apr. 24; v. 237; p. 978.
- Bags, Pressed-out, raised, or embossed corner-pieces for. A. Kaufmann. No. 1,211,165; Jan. 2; v. 234; p. 270.
- Bagging and weighing granular and powdery substances, particularly cocoa powder, Machine for. J. Halsig. No. 1,219,302; Mar. 13; v. 236; p. 528.

Alphabetical list of inventions—Continued.

- Bail-car for pails. H. L. Staley and W. B. Simmons. No. 1,221,619; Apr. 3; v. 237; p. 216.
- Bail-cars, Process for use in the formation of attaching means for. H. A. Beyer. No. 1,236,043; Aug. 7; v. 241; p. 168.
- Bail-ring, Sanitary. G. A. Hartman, Sr. No. 1,244,980; Oct. 30; v. 243; p. 1235.
- Bait. W. J. Jamison. No. 1,232,804; July 10; v. 240; p. 454.
- Bait, Artificial. A. Burkman. No. 1,232,211; July 3; v. 240; p. 226.
- Bait, Artificial. E. L. Cox. (Reissue.) No. 14,377; Oct. 16; v. 243; p. 768.
- Bait, Artificial. W. J. Grube. No. 1,247,955; Nov. 27; v. 244; p. 928.
- Bait, Artificial. W. E. Phinney. No. 1,239,956; Sept. 11; v. 242; p. 423.
- Bait, Artificial. W. E. Phinney and S. O. Larrabee. No. 1,239,957; Sept. 11; v. 242; p. 424.
- Bait, Artificial fish-. R. T. Wilson. No. 1,220,921; Mar. 27; v. 236; p. 1158.
- Bait, Fish-. K. Kuroki. No. 1,235,331; July 31; v. 240; p. 1365.
- Bait, Fish-. K. Kuroki. No. 1,237,529; Aug. 21; v. 241; p. 714.
- Bait, Fish-. F. R. Wilber and H. E. Ball. No. 1,230,968; June 26; v. 239; p. 992.
- Bait, Fishing-. J. L. Donaly. No. 1,243,391; Oct. 16; v. 243; p. 680.
- Bait or frog, Artificial bass-. T. Reimere. No. 1,239,724; Sept. 11; v. 242; p. 350.
- Bait or lure, Fish. J. T. McCormic. No. 1,250,913; Dec. 18; v. 245; p. 796.
- Bait or lure, Fish. J. W. Reynolds. No. 1,233,507; July 17; v. 240; p. 718.
- Bait or lure, Fish. H. H. Schillinger. No. 1,226,701; May 22; v. 238; p. 1016.
- Baits to lines, Means for attaching. J. W. Jay. No. 1,226,891; May 22; v. 238; p. 1080.
- Bake-pan. E. W. Lively. No. 1,232,939; July 10; v. 240; p. 498.
- Bake-pan. N. C. Merrill. No. 1,226,353; May 15; v. 238; p. 866.
- Baker's mixture. T. G. Blacklock. No. 1,210,588; Jan. 2; v. 234; p. 73.
- Baker's peel. G. J. Kraushaar. No. 1,216,703; Feb. 20; v. 235; p. 870.
- Baker's peel. L. Schlager. No. 1,221,914; Apr. 10; v. 237; p. 351.
- Baker's peel. L. Schlager. No. 1,225,864; May 15; v. 238; p. 697.
- Bakery appliance. L. Yere. No. 1,240,000; Sept. 11; v. 242; p. 436.
- Bakery machinery. R. L. Davidson. No. 1,248,629; Dec. 4; v. 245; p. 60.
- Baking compound. T. G. Blacklock. No. 1,234,858; July 31; v. 240; p. 1219.
- Baking-cone. F. W. Pepper. No. 1,224,564; May 1; v. 238; p. 161.
- Baking-furnace. R. K. Wehner. No. 1,251,309; Dec. 25; v. 245; p. 962.
- Baking-machine. J. W. McGowan. No. 1,238,544; Aug. 28; v. 241; p. 1075.
- Baking materials, Device for testing the spreading value of. J. P. Bachman. No. 1,222,590; Apr. 17; v. 237; p. 630.
- Baking-pan. E. and S. C. Katzinger. No. 1,229,282; June 12; v. 239; p. 355.
- Baking-pan. F. F. Lewandowski. No. 1,238,030; Aug. 21; v. 241; p. 872.
- Baking-pan. G. Mueller. No. 1,228,471; June 5; v. 239; p. 33.
- Baking-pan. P. D. Wells. No. 1,223,226; Apr. 17; v. 237; p. 847.
- Baking-pan. A. J. Will. No. 1,212,864; Jan. 16; v. 234; p. 925.
- Baking-powder. M. Vaygouny. No. 1,214,726; Feb. 6; v. 235; p. 87.
- Baking rolls, Mold for. K. Stiga. No. 1,234,407; July 24; v. 240; p. 1046.
- Baking wafers and the like, Apparatus for use in. H. W. Mackenzie. No. 1,215,829; Feb. 13; v. 235; p. 509.
- Balance-wheel poisoning and truing machine. C. E. Sanford. No. 1,228,053; May 29; v. 238; p. 1503.
- Balance-wheels, Device for regulating. W. E. Porter. No. 1,226,998; May 22; v. 238; p. 1120.
- Balance-wheels, Device for regulating. W. E. Porter. No. 1,228,820; June 5; v. 239; p. 152.
- Balanced lubricator. S. E. Burch. No. 1,243,252; Oct. 16; v. 243; p. 638.
- Balancer. S. Sano. No. 1,237,559; Aug. 21; v. 241; p. 723.
- Balancer, Automatic. M. Leblanc. No. 1,233,485; July 17; v. 240; p. 711.
- Balancers, Regulator for phase-. R. M. Carothers. No. 1,235,436; July 31; v. 240; p. 1395.
- Balancing device. F. A. Nichols. No. 1,218,689; Mar. 13; v. 236; p. 314.
- Balancing device. W. A. Reed. No. 1,211,488; Jan. 9; v. 234; p. 413.
- Balancing-machine, Liquid dynamic. C. B. Rodgers. No. 1,243,345; Oct. 16; v. 243; p. 667.
- Balancing means for phase-converting systems. S. G. Nottage. No. 1,248,531; Dec. 4; v. 245; p. 29.
- Balancing mechanism. J. P. Tarbox. No. 1,239,635; Sept. 11; v. 242; p. 319.
- Balcony, Sleeping-. H. M. Coe. No. 1,212,019; Jan. 9; v. 234; p. 599.
- Bale and package tie. C. Dousel. No. 1,242,156; Oct. 9; v. 243; p. 260.
- Bale-bands, Tool for tightening and fastening. G. M. Williams. No. 1,241,483; Sept. 25; v. 242; p. 967.
- Bale covers, Device for fastening cotton-. G. R. Brown. No. 1,247,630; Nov. 27; v. 244; p. 831.
- Bale-tie-securing device. J. T. A. Todd. No. 1,217,851; Feb. 27; v. 235; p. 1310.
- Bale ties or bands, Fastening for. R. E. Fletcher. No. 1,247,253; Nov. 20; v. 244; p. 693.
- Bale-tying mechanism. W. J. Ray. No. 1,225,173; May 8; v. 238; p. 420.
- Baler. H. H. Burns. No. 1,250,558; Dec. 18; v. 245; p. 691.
- Baler, Hay-. W. H. Hilligass. No. 1,235,975; Aug. 7; v. 241; p. 146.
- Baler, Hay-. E. T. Hudson. No. 1,241,981; Oct. 2; v. 243; p. 162.
- Baler, Hay-. H. Peacock. No. 1,241,548; Oct. 2; v. 243; p. 25.
- Baler, Hay-. J. E. Robbins. No. 1,249,505; Dec. 11; v. 245; p. 342.
- Baler, Sack-. J. F. Jones. No. 1,249,109; Dec. 4; v. 245; p. 196.
- Baler, Sack-. W. A. Webster. No. 1,223,542; Apr. 24; v. 237; p. 991.
- Balers, Block for hay-. W. M. Brush. No. 1,225,219; May 8; v. 238; p. 435.
- Baling hay, Means for. E. Faint. No. 1,218,175; Mar. 6; v. 236; p. 100.
- Baling-machine, Traction. A. P. Wright. No. 1,227,355; May 22; v. 238; p. 1235.
- Baling-press. J. D. Bickerstaff. No. 1,241,491; Oct. 2; v. 243; p. 4.
- Baling-press. F. H. G. Brandt and J. R. Evans. No. 1,239,871; Sept. 11; v. 242; p. 397.
- Baling-press. G. R. Brown. No. 1,215,613; Feb. 13; v. 235; p. 433.
- Baling-press. E. W. Burgess. No. 1,237,608; Aug. 21; v. 241; p. 739.
- Baling-press. W. E. Dees. No. 1,217,921; Mar. 6; v. 236; p. 13.
- Baling-press. H. S. Edwards. No. 1,248,292; Nov. 27; v. 244; p. 1022.
- Baling-press. U. D. Ezell. No. 1,237,495; Aug. 21; v. 241; p. 702.
- Baling-press. C. A. and B. S. Fleming and C. F. Ladwig. No. 1,215,014; Feb. 6; v. 235; p. 189.
- Baling-press. H. M. Hanson. No. 1,249,750; Dec. 11; v. 245; p. 413.
- Baling-press. J. G. Haugh. No. 1,250,310; Dec. 18; v. 245; p. 616.
- Baling-press. A. W. Knutson. No. 1,246,759; Nov. 13; v. 244; p. 513.
- Baling-press. J. Lowrie. No. 1,229,628; June 12; v. 239; p. 473.
- Baling-press. J. A. Marx. No. 1,220,870; Mar. 27; v. 236; p. 1142.
- Baling-press. J. A. Marx and F. E. Holden. No. 1,212,658; Jan. 16; v. 234; p. 855.
- Baling-press. C. L. Miller and L. J. Toffelmier. No. 1,239,932; Sept. 11; v. 242; p. 416.
- Baling-press. G. W. North. No. 1,229,126; June 5; v. 239; p. 253.
- Baling-press. C. Preston. No. 1,234,937; July 31; v. 240; p. 1246.
- Baling-press. P. C. Southwick. No. 1,213,551; Jan. 23; v. 234; p. 1199.
- Baling-press. C. J. Starks. No. 1,223,211; Apr. 17; v. 237; p. 843.
- Baling-press. E. E. Sutton and J. W. Baker, Jr. No. 1,221,625; Apr. 3; v. 237; p. 217.
- Baling-press. F. S. Wier. No. 1,230,253; June 19; v. 239; p. 715.
- Baling-press. W. Zachow. No. 1,213,993; Jan. 30; v. 234; p. 1378.
- Baling-press-feeding attachment. J. M. Bondurant. No. 1,216,407; Feb. 20; v. 235; p. 769.
- Baling press, Hay-. C. W. Mizell and M. G. Hall. No. 1,235,044; July 31; v. 240; p. 1279.
- Baling press, Hay-. T. E. Turner and O. J. Heath. No. 1,237,586; Aug. 21; v. 241; p. 732.
- Baling-press, Household. J. T. Johnsen. No. 1,241,122; Sept. 25; v. 242; p. 854.
- Baling press, Paper-. T. F. Horrigan. No. 1,246,923; Nov. 20; v. 244; p. 598.
- Baling-press, Tie-welding. L. B. Wygant. No. 1,232,643; July 10; v. 240; p. 398.
- Baling presses, Automatic wire-tier for. E. G. Paddeck. No. 1,236,751; Aug. 14; v. 241; p. 428.
- Baling-presses, Automatic wire-tier for. E. G. Paddeck. No. 1,236,752; Aug. 14; v. 241; p. 428.
- Baling-presses, Division-block for. J. W. Wright. No. 1,224,697; May 1; v. 238; p. 207.

- Baling-presses, Pressure and valve mechanism for cotton-trampers for. S. Johansen. No. 1,234,035; July 17; v. 240; p. 888.
- Ball: *See*—
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| Game-ball. | Playing-ball. |
| Golf-ball. | Tank-ball. |
| Golf and other playing ball. | Tea-ball. |
| Hollow cast ball. | Toy ball. |
| Pipe-ball. | Valve-ball. |
- Ball and other games, Illuminating system for base-. G. F. Cahill. No. 1,235,527; July 31; v. 240; p. 1425.
- Ball cutter, Vegetable-. T. Kawakubo. No. 1,218,566; Mar. 6; v. 236; p. 234.
- Ball-finishing machine. F. Mayhew. No. 1,223,087; Apr. 17; v. 237; p. 801.
- Ball for shrapnel and making the same. A. W. G. Wilson. No. 1,246,204; Nov. 13; v. 244; p. 347.
- Ball-forming machine. G. E. Abbott. No. 1,226,435; May 15; v. 238; p. 891.
- Ball goal, Basket-. H. C. Ohlson. No. 1,218,204; Mar. 6; v. 236; p. 110.
- Ball-grinding machine. J. Vorraber. No. 1,231,818; July 3; v. 240; p. 96.
- Ball-joint. L. W. Andersen. No. 1,232,473; July 10; v. 240; p. 345.
- Ball-key. W. Gadke. No. 1,244,848; Oct. 30; v. 243; p. 1194.
- Ball-mill, Mortar. L. S. Ropes. No. 1,213,264; Jan. 23; v. 234; p. 1097.
- Ball pitcher, Power-driven base-. H. G. Boardman. No. 1,213,577; Jan. 23; v. 234; p. 1207.
- Ball-pitchers, Feed mechanism for mechanical. J. M. Kyle. No. 1,229,979; June 12; v. 239; p. 586.
- Ball-pitching machine, Automatic base-. B. N. Marty. No. 1,211,738; Jan. 9; v. 234; p. 498.
- Ball-retainer. W. W. Neighbour. No. 1,222,447; Apr. 10; v. 237; p. 538.
- Ball-retainer. S. Schneider. No. 1,241,669; Oct. 2; v. 243; p. 64.
- Ball-rolling machine. F. E. Canda. No. 1,225,765; May 15; v. 238; p. 664.
- Ball-shooter. J. Straka. No. 1,244,793; Oct. 30; v. 243; p. 1178.
- Ball-trap. F. Kimble. No. 1,229,092; June 5; v. 239; p. 240.
- Ball-turning tool. J. Alexander. No. 1,228,086; May 29; v. 238; p. 1514.
- Balls, Machine for registering the trajectories of captive. C. G. Guthrie and L. W. Neilson. No. 1,240,198; Sept. 18; v. 242; p. 535.
- Balls, Machine for winding the cores of golf-. M. McDaid. No. 1,224,397; May 1; v. 238; p. 101.
- Balls or bobbins, Holder for rotary. F. J. Lightbody. No. 1,215,824; Feb. 13; v. 235; p. 507.
- Balls or bobbins, Holder for rotary. F. J. Lightbody. No. 1,215,825; Feb. 13; v. 235; p. 507.
- Balling-machine. M. Curry. No. 1,250,436; Dec. 18; v. 245; p. 654.
- Balling-machine guard. C. M. Greising and J. Dahlin. No. 1,237,635; Aug. 21; v. 241; p. 747.
- Ballast-pile for covering, Machine for preparing a burning. H. G. Butler. No. 1,212,323; Jan. 16; v. 234; p. 736.
- Ballast-screening machine. G. C. Harris and W. F. Muft. No. 1,214,674; Feb. 6; v. 235; p. 68.
- Balloon. J. Korzeniewski. No. 1,225,139; May 8; v. 238; p. 409.
- Balloon construction, Dirigible-. J. J. Reynolds and A. H. Jenkins. No. 1,236,603; Aug. 14; v. 241; p. 377.
- Balloon fabric. J. E. Gammeter. No. 1,247,658; Nov. 27; v. 244; p. 840.
- Balloon, Hand-power-propelled hydroaero sporting dirigible. M. Jelalian. No. 1,247,960; Nov. 27; v. 244; p. 929.
- Balloons, Coloring rubber. M. M. Harrison. No. 1,239,180; Sept. 4; v. 242; p. 147.
- Ballot-box. L. J. Hyslop. No. 1,211,854; Jan. 9; v. 234; p. 542.
- Balluster for seating appliances. E. P. Wanner. No. 1,235,263; July 31; v. 240; p. 1344.
- Banana-carrier. C. P. Arthur. No. 1,229,205; June 12; v. 239; p. 329.
- Banana heater and ripener. A. L. Frankeberger. No. 1,232,270; July 3; v. 240; p. 246.
- Banana-protector. J. J. Burk. No. 1,244,954; Oct. 30; v. 243; p. 1227.
- Banana-rack. A. J. Dodd. No. 1,211,926; Jan. 9; v. 234; p. 568.
- Band and manufacturing the same, Endless. T. Sloper. No. 1,223,742; Apr. 24; v. 237; p. 1062.
- Band-brake. W. T. Haen. No. 1,214,778; Feb. 6; v. 235; p. 103.
- Band-clamp. J. G. Elkin. No. 1,219,273; Mar. 13; v. 236; p. 518.
- Band-fastener. G. H. Taylor. No. 1,218,337; Mar. 6; v. 236; p. 157.
- Band, Safety carrying-. E. Maker. No. 1,235,582; Aug. 7; v. 241; p. 18.
- Band-tying gage. M. Curry and A. Cook. (Reissue.) No. 1,402; Dec. 4; v. 245; p. 252.
- Band-wheel construction. W. B. Wigle. No. 1,213,785; Jan. 23; v. 234; p. 1276.
- Bandage, Hot-water. C. S. Ferguson. No. 1,238,901; Sept. 4; v. 242; p. 59.
- Bandage or catamenial sack, Menstrual. P. Roger. No. 1,233,811; July 17; v. 240; p. 815.
- Bandage roller, Plaster-. E. M. Saunders. No. 1,241,029; Sept. 25; v. 242; p. 826.
- Bandage, Sanitary. E. A. Knieriem. No. 1,217,014; Feb. 20; v. 235; p. 976.
- Banjo construction. E. A. Stathopoulos. No. 1,248,196; Nov. 27; v. 244; p. 994.
- Banjo-head. A. A. Farland. No. 1,251,360; Dec. 25; v. 245; p. 977.
- Bank, Coin-. J. Kuczynska. No. 1,245,470; Nov. 6; v. 244; p. 98.
- Bank, Coin-actuated clock-. F. Wright. No. 1,212,597; Jan. 16; v. 234; p. 832.
- Bank or coin-repository, Savings-. B. Von Eigen. No. 1,229,829; June 12; v. 239; p. 539.
- Bank, Pocket savings-. W. P. Scully. No. 1,211,248; Jan. 2; v. 234; p. 301.
- Bank record, Savings-. A. M. Glossbrenner. No. 1,216,562; Feb. 20; v. 235; p. 822.
- Bank-remittance sheet. I. L. Darby. No. 1,223,566; Apr. 24; v. 237; p. 999.
- Bank-robber trap. E. E. Nunn. No. 1,214,358; Jan. 30; v. 234; p. 1505.
- Bank, Savings-. J. B. Carroll. No. 1,227,580; May 29; v. 238; p. 1340.
- Bank, Savings-. G. Felsenthal. No. 1,248,640; Dec. 4; v. 245; p. 63.
- Bank, Savings-. H. L. Stanton. No. 1,243,356; Oct. 16; v. 243; p. 670.
- Bank, Terminal. H. P. Clausen. No. 1,226,947; May 22; v. 238; p. 1100.
- Banking instruments, Blank for negotiable. D. B. Wheeler. No. 1,225,543; May 8; v. 238; p. 545.
- Bar: *See*—
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| Boring-bar. | Mosquito-bar. |
| Concrete-reinforcing bar. | Mower finger-bar. |
| Connecting-bar. | Pinch-bar. |
| Curb-bar. | Sickle-bar. |
| Detector-bar. | Sine-bar. |
| Draft-bar. | Splice-bar. |
| Draw-bar. | Switch-point tie-bar. |
| Evener-bar. | Tabular bar. |
| Glazing-bar. | Tubular bar. |
| Grate-bar. | Type-bar. |
| Knife-holding bar. | |
- Bar and tubing feeding and severing means. E. Danner. No. 1,220,201; Mar. 27; v. 236; p. 909.
- Bar and wire-rope clip. E. O. Keator. No. 1,233,366; July 17; v. 240; p. 670.
- Bar-bending machine. D. F. Kirby. No. 1,250,896; Dec. 18; v. 245; p. 791.
- Barber's bib. R. B. Squier. No. 1,251,127; Dec. 25; v. 245; p. 908.
- Barber's chair. W. F. Koken. No. 1,242,109; Oct. 2; v. 243; p. 203.
- Barber's chair. W. F. Koken. No. 1,242,110; Oct. 2; v. 243; p. 204.
- Barbers' poles, Actuating mechanism for rotary. H. L. Wilson. No. 1,248,233; Nov. 27; v. 244; p. 1005.
- Barber's shears. J. V. Genovese. No. 1,238,400; Aug. 28; v. 241; p. 1027.
- Barge, Header-. W. Boyd. A. L. and J. J. Delapp. No. 1,212,893; Jan. 16; v. 234; p. 935.
- Barge, Metal. J. L. Taylor. No. 1,249,690; Dec. 11; v. 245; p. 395.
- Barges, Connector for. W. C. Sansom. No. 1,231,067; June 26; v. 239; p. 1026.
- Barium hydrate, Obtaining. C. Deguide. No. 1,247,510; Nov. 20; v. 244; p. 766.
- Barium oxid and hydroxid, Making. B. Peacock. No. 1,250,642; Dec. 18; v. 245; p. 715.
- Barium oxid, Making. J. G. Kremers. No. 1,243,190; Oct. 16; v. 243; p. 622.
- Bark extracts, Obtaining. D. C. Reynolds. No. 1,220,557; Mar. 27; v. 236; p. 1036.
- Barking-drum. J. J. Ross. No. 1,228,374; May 29; v. 238; p. 1606.
- Barking-machine. J. A. De Cew. No. 1,233,321; July 17; v. 240; p. 655.
- Barking slabs. H. Guettler. No. 1,247,526; Nov. 20; v. 244; p. 770.
- Barn. H. J. Ley. No. 1,226,783; May 22; v. 238; p. 1045.
- Barn-cleaner. C. O. Carlson. No. 1,243,257; Oct. 16; v. 243; p. 640.
- Barn, Dairy-. A. B. Klay. No. 1,230,305; June 19; v. 239; p. 732.
- Barometer-switch, Electric. P. E. Stoff. No. 1,219,679; Mar. 20; v. 236; p. 690.
- Barrel. J. O. Ellinger. No. 1,215,355; Feb. 13; v. 235; p. 338.
- Barrel. G. E. Herrmann and B. W. Tucker. No. 1,216,804; Feb. 20; v. 235; p. 906.
- Barrel. G. E. Herrmann and B. W. Tucker. No. 1,216,805; Feb. 20; v. 235; p. 906.
- Barrel. G. E. Herrmann and B. W. Tucker. No. 1,216,806; Feb. 20; v. 235; p. 906.
- Barrel. G. E. Herrmann and B. W. Tucker. No. 1,216,807; Feb. 20; v. 235; p. 907.
- Barrel. G. E. Herrmann and B. W. Tucker. No. 1,216,808; Feb. 20; v. 235; p. 907.
- Barrel. J. L. Malm. No. 1,215,565; Feb. 13; v. 235; p. 415.

Alphabetical list of inventions—Continued.

- Barrel. G. F. Warren. No. 1,246,510; Nov. 13; v. 244; p. 439.
- Barrel, Ash and garbage, dustless, and odorless. R. W. Vail. No. 1,216,022; Feb. 13; v. 235; p. 579.
- Barrel caking and renovating machine. M. Lupinski and G. J. Meyer. No. 1,225,983; May 15; v. 238; p. 737.
- Barrel-chime. C. H. Wegner, G. A. Loescher, and B. Plowright. No. 1,221,120; Apr. 3; v. 237; p. 41.
- Barrel-clamp for followers. J. T. Doran. No. 1,249,046; Dec. 4; v. 245; p. 179.
- Barrel-cleat. L. I. Cope and A. F. Zinsmaster. No. 1,223,853; Apr. 24; v. 237; p. 1101.
- Barrel-closure. J. Januchowsky. No. 1,242,352; Oct. 9; v. 243; p. 321.
- Barrel, Collapsible. T. W. Corkell. No. 1,214,650; Feb. 6; v. 235; p. 59.
- Barrel, Collapsible. E. C. Schreiner. No. 1,226,018; May 15; v. 238; p. 750.
- Barrel-cooling device. C. C. Sheppard. No. 1,242,890; Oct. 9; v. 243; p. 492.
- Barrel, Corrugated metallic. J. F. Eaton. No. 1,249,606; Dec. 11; v. 245; p. 370.
- Barrel-cover. W. F. Moore. No. 1,214,813; Feb. 6; v. 235; p. 114.
- Barrel-filler. A. B. Carll. No. 1,233,024; July 10; v. 240; p. 524.
- Barrel-filling apparatus. F. L. Shelor. No. 1,230,334; June 19; v. 239; p. 742.
- Barrel-head. H. Ellis. No. 1,216,972; Feb. 20; v. 235; p. 961.
- Barrel-head. W. H. Sherman and J. F. McGinnitey. No. 1,249,217; Dec. 4; v. 245; p. 228.
- Barrel-head-fastening device. O. L. Weinrich. No. 1,246,366; Nov. 13; v. 244; p. 397.
- Barrel-head-fastening means. O. L. Weinrich. No. 1,246,367; Nov. 13; v. 244; p. 397.
- Barrel-head, Removable. G. E. Mittinger. No. 1,216,718; Feb. 20; v. 235; p. 875.
- Barrel-heading apparatus. T. A. Sullivan and H. J. Von Beck. No. 1,228,076; May 29; v. 238; p. 1511.
- Barrel-heading machine. G. Squire. No. 1,234,577; July 24; v. 240; p. 1100.
- Barrel-heading saw mechanism. J. J. Krohn and F. J. Davis. No. 1,229,760; June 12; v. 239; p. 516.
- Barrel-hoist. T. L. Morris. No. 1,217,047; Feb. 20; v. 235; p. 986.
- Barrel hoist and rack. H. A. Schaub and F. S. Crawford. No. 1,223,295; Apr. 17; v. 237; p. 869.
- Barrel-lifter. W. S. Lobdell. No. 1,250,602; Dec. 18; v. 245; p. 704.
- Barrel-lifting device. J. Karsten. No. 1,229,090; June 5; v. 239; p. 240.
- Barrel, Metal. J. Jaszkeel. No. 1,231,368; June 26; v. 239; p. 1127.
- Barrel, Metallic. J. W. Darley, Jr. No. 1,240,029; Sept. 11; v. 242; p. 444.
- Barrel, Metallic. J. W. Darley, Jr. No. 1,240,030; Sept. 11; v. 242; p. 444.
- Barrel-moving implement. H. O. Wolfe. No. 1,244,680; Oct. 30; v. 243; p. 1143.
- Barrel or hogshead, Knockdown. W. S. Carter. No. 1,223,767; Apr. 24; v. 237; p. 1070.
- Barrel-rack. W. B. Pavey and G. M. French. No. 1,220,450; Mar. 27; v. 236; p. 998.
- Barrel, Sheet-metal. T. Silk. No. 1,225,876; May 15; v. 238; p. 701.
- Barrel-shells to receive heads, Machine for preparing. E. F. Bengler. No. 1,241,080; Sept. 25; v. 242; p. 841.
- Barrel, Shipping. W. J. Ruff. No. 1,226,814; May 22; v. 238; p. 1055.
- Barrel-smoking oven. F. Stankowski. No. 1,230,050; June 12; v. 239; p. 609.
- Barrel-stand. W. H. Kelly. No. 1,220,640; Mar. 27; v. 236; p. 1064.
- Barrel-stand. F. Maier. No. 1,233,091; July 10; v. 240; p. 545.
- Barrel, Subcaliber. G. F. Egbers. No. 1,217,162; Feb. 27; v. 235; p. 1072.
- Barrel-support. O. Blumgren and J. E. Roose. No. 1,247,624; Nov. 27; v. 244; p. 830.
- Barrel-support. L. Hecht. No. 1,235,471; July 31; v. 240; p. 1405.
- Barrel-support. F. L. Purcell. No. 1,250,655; Dec. 18; v. 245; p. 718.
- Barrel-support. R. Ulvig. No. 1,214,617; Feb. 6; v. 235; p. 47.
- Barrel weaving and renovating machine. M. Lupinski and G. J. Meyer. No. 1,225,982; May 15; v. 238; p. 736.
- Barrel-washing machine. A. J. Suhm. No. 1,231,092; June 26; v. 239; p. 1035.
- Barrel-washing machine. C. B. Van Horn. No. 1,212,587; Jan. 16; v. 234; p. 829.
- Barrel-washing machine. C. B. Van Horn. No. 1,244,391; Oct. 23; v. 243; p. 1017.
- Barrel-washing machine. C. B. Van Horn. No. 1,244,392; Oct. 23; v. 243; p. 1018.
- Barrels, Detachable spout for. H. A. Koster. No. 1,248,136; Nov. 27; v. 244; p. 977.
- Barrels, Forming bilge. H. W. Avery and W. S. Judd. No. 1,216,396; Feb. 20; v. 235; p. 765.
- Barrels, Polishing-body for burnishing. J. C. Andrews. No. 1,218,158; Mar. 6; v. 236; p. 94.
- Barrette. C. Adams. No. 1,234,108; July 24; v. 240; p. 947.
- Barrettes and the like, Hinge member for. E. E. Hamilton. No. 1,243,834; Oct. 23; v. 243; p. 852.
- Barricade, Street. F. W. Myers. No. 1,222,020; Apr. 10; v. 237; p. 388.
- Barrier-cut-out switch. J. C. Phelps. No. 1,224,409; May 1; v. 238; p. 106.
- Barrow for carrying stretchers for wounded. R. J. Molliné. No. 1,242,887; Oct. 9; v. 243; p. 491.
- Base-ball apparatus, Automatic. D. Handelan. No. 1,223,386; Apr. 24; v. 237; p. 934.
- Base-ball grounds, Base for. S. M. Falconer, Sr. No. 1,244,044; Oct. 23; v. 243; p. 915.
- Basin, Sedimentation. F. W. Keeney and J. M. Perkins. No. 1,226,893; May 22; v. 238; p. 1081.
- Basket. F. C. Dabney. No. 1,226,472; May 15; v. 238; p. 903.
- Basket. M. Hinkley. No. 1,235,976; Aug. 7; v. 241; p. 147.
- Basket. W. A. J. Lowe. No. 1,219,969; Mar. 20; v. 236; p. 791.
- Basket and handle therefor. J. B. Miller. No. 1,241,542; Oct. 2; v. 243; p. 22.
- Basket-carrier. S. B. Long. No. 1,217,030; Feb. 20; v. 235; p. 981.
- Basket, Collapsible. L. Barbour. No. 1,233,832; July 17; v. 240; p. 823.
- Basket, Collapsible. L. S. Lundy. No. 1,245,479; Nov. 6; v. 244; p. 100.
- Basket, Collapsible. W. B. Schreyer. No. 1,220,464; Mar. 27; v. 236; p. 1004.
- Basket-handling machine. G. Kistner. No. 1,243,185; Oct. 16; v. 243; p. 620.
- Basket-machine. E. J. Youngs. No. 1,248,590; Dec. 4; v. 245; p. 49.
- Basket, Metallic waste-. M. S. Potter and W. Noble. No. 1,234,085; July 17; v. 240; p. 903.
- Basket, Sheet-metal. E. H. Derry. No. 1,218,632; Mar. 13; v. 236; p. 294.
- Basket, Waste-. P. M. Wege. No. 1,234,516; July 24; v. 240; p. 1081.
- Basket, Waste-paper. A. Kunath. No. 1,237,914; Aug. 21; v. 241; p. 835.
- Basket, Waterproof. J. A. Bruder. No. 1,211,671; Jan. 9; v. 234; p. 476.
- Basket, Weigh-. J. J. Fleming. No. 1,231,147; June 26; v. 239; p. 1053.
- Bast fiber, Dividing, lanifizing and bleaching. L. D. Wante. No. 1,247,757; Nov. 27; v. 244; p. 871.
- Bat. J. A. Hillerich. No. 1,213,370; Jan. 23; v. 234; p. 1136.
- Bat-forming machine. F. Franke. No. 1,243,058; Oct. 16; v. 243; p. 582.
- Bath—See—
Bird-bath. Pickling-bath.
- Bath apparatus, Electric. J. D. Lowe. No. 1,217,321; Feb. 27; v. 235; p. 1125.
- Bath apparatus, Internal-. J. B. Bookman. No. 1,217,692; Feb. 27; v. 235; p. 1257.
- Bath attachment, Shower-. A. F. Luzzi. No. 1,218,879; Mar. 13; v. 236; p. 386.
- Bath-cabinet. L. Wiloth and A. L. Greer. No. 1,240,911; Sept. 25; v. 242; p. 790.
- Bath-cabinet, Electric. H. C. Marrinan. No. 1,241,234; Sept. 25; v. 242; p. 890.
- Bath-cabinet heater. M. M. Jones. No. 1,240,053; Sept. 11; v. 242; p. 451.
- Bath cabinet, Vapor-. R. R. Stitt. No. 1,247,167; Nov. 20; v. 244; p. 668.
- Bath cabinet, Vapor-. J. R. Wright. No. 1,231,466; June 26; v. 239; p. 1159.
- Bath-chair. F. Behm. No. 1,245,660; Nov. 6; v. 244; p. 158.
- Bath robe and towel, Combined. J. T. Norman. No. 1,243,206; Oct. 16; v. 243; p. 626.
- Bath-room fixture. H. W. A. Lehnert. No. 1,228,453; June 5; v. 239; p. 26.
- Bath system, Dry hot-. J. O. Daniels. No. 1,231,001; June 26; v. 239; p. 1004.
- Bath-tub. L. M. Hooper. No. 1,227,140; May 22; v. 238; p. 1168.
- Bath-tub. J. Vandreuill. No. 1,246,190; Nov. 13; v. 244; p. 343.
- Bath-tub and lavatory direct waste. G. H. Barker. No. 1,215,237; Feb. 6; v. 235; p. 263.
- Bath-tub and shower-stall or shower-bath, Combined folding. D. W. Anderson. No. 1,235,091; July 31; v. 240; p. 1293.
- Bath-tub attachment. R. J. Buell. No. 1,235,652; Aug. 7; v. 241; p. 40.
- Bath-tub attachment. F. W. Burwell. No. 1,217,147; Feb. 27; v. 235; p. 1066.
- Bath-tub attachment. F. Maycomber. No. 1,212,659; Jan. 16; v. 234; p. 855.
- Bath-tub attachment. W. E. Peck and J. W. Pennington. No. 1,226,908; May 22; v. 238; p. 1086.
- Bath-tub attachment. W. D. Rees. No. 1,242,113; Oct. 2; v. 243; p. 204.
- Bath-tub foot-rest. E. J. Clarke. No. 1,232,223; July 3; v. 240; p. 230.
- Bath-tub heater, Electric. J. W. Purnell. No. 1,222,669; Apr. 17; v. 237; p. 659.
- Bath-tub mat, Safety. L. D. Tolley. No. 1,239,642; Sept. 11; v. 242; p. 322.

- Bath-tub overflow-shield. J. Serper. No. 1,235,387; July 31; v. 240; p. 1381.
- Bath-tub seat. J. L. Nichols and C. J. Olson. No. 1,240,479; Sept. 18; v. 242; p. 623.
- Baths, Cascade or fountain for internal. E. Carlsen. No. 1,215,111; Feb. 6; v. 235; p. 219.
- Baths, Spray-head for shower-. M. Schnaier. No. 1,229,327; June 12; v. 239; p. 370.
- Bathing apparatus. C. S. Frink. No. 1,221,163; Apr. 3; v. 237; p. 57.
- Bathing-cap. V. Guinzburg. No. 1,242,684; Oct. 9; v. 243; p. 428.
- Bathing-cap. T. W. Miller. No. 1,215,311; Feb. 6; v. 235; p. 288.
- Bathing-cap. J. Riley. No. 1,221,473; Apr. 3; v. 237; p. 165.
- Bathing-cap. W. T. Sears. No. 1,246,948; Nov. 20; v. 244; p. 605.
- Bathing-cap and suit-bag, Combined. J. Zuckerman. No. 1,213,571; Jan. 23; v. 234; p. 1205.
- Bathing-suit. L. Rauh. No. 1,213,257; Jan. 23; v. 234; p. 1095.
- Bathing-suit. O. B. Shulhof. No. 1,248,562; Dec. 4; v. 245; p. 40.
- Batten-strip. M. L. Hunker. No. 1,226,334; May 15; v. 238; p. 860.
- Batteries and making the same, Negative-pole plate for storage. W. G. S. Grant and L. H. Flanders. No. 1,228,551; June 5; v. 239; p. 60.
- Batteries and making the same, Separator for storage. T. A. Willard. No. 1,218,967; Mar. 13; v. 236; p. 414.
- Batteries and producing the same, Separator for storage. T. A. Willard. No. 1,243,368; Oct. 16; v. 243; p. 673.
- Batteries, Apparatus for charging storage. A. R. Bullock. No. 1,223,471; Apr. 24; v. 237; p. 965.
- Batteries, Charging and utilizing storage. J. L. Creveling. No. 1,250,978; Dec. 25; v. 245; p. 865.
- Batteries, Charging secondary. E. B. Jacobson. No. 1,227,149; May 22; v. 238; p. 1170.
- Batteries, Combined switchboard and rheostat for controlling the charging of electrical storage. W. C. Carr. No. 1,248,074; Nov. 27; v. 244; p. 959.
- Batteries, Connector and connection for storage. T. A. Willard. No. 1,225,297; May 8; v. 238; p. 463.
- Batteries, Connector and connection for storage. T. A. Willard. No. 1,225,298; May 8; v. 238; p. 463.
- Batteries, Connector for. C. B. Johnson. No. 1,241,737; Oct. 2; v. 243; p. 87.
- Batteries, Cover for storage. W. L. Bliss. No. 1,245,428; Nov. 6; v. 244; p. 85.
- Batteries, Governor for regulating the overcharge for storage. P. Okey. No. 1,240,590; Sept. 18; v. 242; p. 656.
- Batteries, Machine for making bobbins for electric. A. Kipniss and M. P. Neumann. No. 1,211,176; Jan. 2; v. 234; p. 274.
- Batteries, Means for charging storage. S. G. Langley. No. 1,215,809; Feb. 6; v. 235; p. 287.
- Batteries, Plate-guard for secondary. J. O. Luthy. No. 1,247,122; Nov. 20; v. 244; p. 655.
- Batteries, Plate-guard for secondary. J. O. Luthy. No. 1,247,123; Nov. 20; v. 244; p. 655.
- Batteries, Plate-remover for storage. R. F. Robertson. No. 1,230,786; June 19; v. 239; p. 892.
- Batteries, Porous tube for storage. T. A. Willard. No. 1,243,371; Oct. 16; v. 243; p. 674.
- Battery: See—
 Dry-cell battery. Primary battery.
 Electric battery. Secondary or storage battery.
 Galvanic battery. tery.
 Portable battery.
- Battery. C. F. Burgess. No. 1,211,363; Jan. 2; v. 234; p. 336.
- Battery. J. M. Flannery. No. 1,217,738; Feb. 27; v. 235; p. 1272.
- Battery. J. M. Flannery. No. 1,217,739; Feb. 27; v. 235; p. 1272.
- Battery. C. Hambuechen. No. 1,224,376; May 1; v. 238; p. 94.
- Battery. N. Kribs. No. 1,238,529; Aug. 28; v. 241; p. 1069.
- Battery. F. B. Smith. No. 1,247,022; Nov. 20; v. 244; p. 626.
- Battery-boxes and means for locking same, Handle for. B. Ford. No. 1,238,753; Sept. 4; v. 242; p. 11.
- Battery-capping machine. S. L. Casella. No. 1,246,876; Nov. 20; v. 244; p. 583.
- Battery-case. M. H. Moffett. No. 1,240,239; Sept. 18; v. 242; p. 548.
- Battery-cell. C. C. Carpenter and R. J. Ellis. No. 1,214,647; Feb. 6; v. 235; p. 58.
- Battery-cell. J. M. Gauss. No. 1,214,669; Feb. 6; v. 235; p. 66.
- Battery-cell. W. E. Holland. No. 1,250,460; Dec. 18; v. 245; p. 661.
- Battery-cell of the mercuric-oxid type, Galvanic. J. N. Brönsted. No. 1,219,074; Mar. 13; v. 236; p. 450.
- Battery-cells, Filling device for. J. M. Skinner. No. 1,244,909; Oct. 30; v. 243; p. 1214.
- Battery-changer. A. P. Smith. No. 1,249,223; Dec. 4; v. 245; p. 230.
- Battery charger, Storage-. C. Auth. No. 1,222,257; Apr. 10; v. 237; p. 471.
- Battery-charging apparatus, Storage-. D. H. Wilson. No. 1,224,986; May 8; v. 238; p. 357.
- Battery-charging equipment. E. T. Foote. No. 1,227,771; May 29; v. 238; p. 1406.
- Battery-charging system. W. L. Bliss. No. 1,246,855; Nov. 20; v. 244; p. 578.
- Battery circuits, Automatic regulator for combined dynamo and storage. A. E. Doman. No. 1,238,896; Sept. 4; v. 242; p. 57.
- Battery-clip, Spring. F. H. Speice. No. 1,237,718; Aug. 21; v. 241; p. 776.
- Battery-connector. S. M. Decker. No. 1,215,004; Feb. 6; v. 235; p. 186.
- Battery connectors, Removing and replacing storage-. H. S. Bowler. No. 1,248,443; Dec. 4; v. 245; p. 5.
- Battery construction, Storage-. D. J. Cartwright. No. 1,220,603; Mar. 27; v. 236; p. 1052.
- Battery construction, Storage-. J. M. Skinner. No. 1,228,250; May 29; v. 238; p. 1566.
- Battery couples, Separator for storage. W. A. Crowds. No. 1,217,573; Feb. 27; v. 235; p. 1215.
- Battery-cover-removing device. M. Melia. No. 1,243,539; Oct. 16; v. 243; p. 724.
- Battery-depolarizer. M. E. Holmes. No. 1,216,451; Feb. 20; v. 235; p. 783.
- Battery-depolarizer. M. E. Holmes. No. 1,218,772; Mar. 13; v. 236; p. 345.
- Battery-depolarizers, Making. M. E. Holmes. No. 1,221,991; Apr. 10; v. 237; p. 378.
- Battery electrodes and producing the same, Tubular diaphragm for storage-. T. A. Willard. No. 1,243,369; Oct. 16; v. 243; p. 674.
- Battery-element puller. M. Melia. No. 1,239,420; Sept. 4; v. 242; p. 222.
- Battery-elevator. T. G. Stiles. No. 1,244,558; Oct. 30; v. 243; p. 1108.
- Battery grid and plate and making same, Storage-. R. N. Chamberlain. No. 1,236,672; Aug. 14; v. 241; p. 401.
- Battery grids and making the same, Mold for storage-. T. Spencer. No. 1,238,211; Aug. 28; v. 241; p. 964.
- Battery-holder. R. E. Cole. No. 1,218,056; Mar. 6; v. 236; p. 59.
- Battery-jars, Apparatus for forming hard-rubber. S. Curtis. No. 1,242,776; Oct. 9; v. 243; p. 456.
- Battery-package. J. Smith. No. 1,214,836; Feb. 6; v. 235; p. 122.
- Battery plants, Self-starting device for storage-. J. H. Gugler. No. 1,248,848; Dec. 4; v. 245; p. 125.
- Battery plate, Storage-. D. J. Cartwright. No. 1,220,604; Mar. 27; v. 236; p. 1053.
- Battery plate, Storage-. W. S. Hutchinson. No. 1,228,675; June 5; v. 239; p. 102.
- Battery plate, Storage-. H. S. Mills. No. 1,214,210; Jan. 30; v. 234; p. 1452.
- Battery plates and making the same, Paste for storage-. L. H. Flanders. No. 1,228,546; June 5; v. 239; p. 59.
- Battery-plates, Grid for. R. S. Mears. No. 1,240,075; Sept. 11; v. 242; p. 457.
- Battery plates, Making pasted storage-. L. H. Flanders. No. 1,228,547; June 5; v. 239; p. 59.
- Battery plates, Paste for storage-. C. C. Carpenter. No. 1,215,907; Feb. 13; v. 235; p. 537.
- Battery plates, Separator for storage-. W. Morrison. No. 1,228,369; May 29; v. 238; p. 1605.
- Battery plates, Wood separator for storage-. W. Morrison. No. 1,228,368; May 29; v. 238; p. 1605.
- Battery-receptacle. E. A. Hawthorne. No. 1,223,167; Apr. 17; v. 237; p. 829.
- Battery-separator. F. E. Whitney. No. 1,245,080; Oct. 30; v. 243; p. 1265.
- Battery separator and producing the same, Storage-. T. A. Willard. No. 1,243,370; Oct. 16; v. 243; p. 674.
- Battery separators, Making storage-. T. A. Willard. No. 1,243,372; Oct. 16; v. 243; p. 674.
- Battery-tester. E. L. Clark. No. 1,231,708; July 3; v. 240; p. 58.
- Battery-tester. E. L. Clark. No. 1,244,425; Oct. 23; v. 243; p. 1028.
- Bayonet. G. Hammond. No. 1,237,330; Aug. 21; v. 241; p. 649.
- Bayonet. G. Pesikan. No. 1,249,476; Dec. 11; v. 245; p. 333.
- Bayonet, Disappearing. G. Gerace. No. 1,246,258; Nov. 13; v. 244; p. 363.
- Bayonet, Wire-cutting. L. Chodakowski. No. 1,246,051; Nov. 13; v. 244; p. 302.
- Bead for necklaces and similar articles. H. B. Pratt. No. 1,245,965; Nov. 6; v. 244; p. 247.
- Bead-positioning device. J. F. Bradley. No. 1,241,913; Oct. 2; v. 243; p. 143.
- Beading-machine. R. D. Gillette. No. 1,226,503; May 15; v. 238; p. 913.
- Beading-machine. W. E. Smith. No. 1,244,650; Oct. 30; v. 243; p. 1135.
- Beam, Composite. P. B. Frost and F. Rings. No. 1,212,759; Jan. 16; v. 234; p. 892.
- Beam, Composite. P. M. Stewart. No. 1,243,000; Oct. 16; v. 243; p. 563.
- Beam construction. W. I. Tuttle. No. 1,249,559; Dec. 11; v. 245; p. 357.
- Beam head, Section-. R. Thornton. No. 1,239,744; Sept. 11; v. 242; p. 355.
- Beam, Masonry. W. P. Francis. No. 1,227,418; May 22; v. 238; p. 1256.

Alphabetical list of inventions—Continued.

- Beam, Metal. F. S. Parks. No. 1,217,685; Feb. 27; v. 235; p. 1255.
- Bean and pea hulling machine. E. N. Maull. No. 1,232,064; July 3; v. 240; p. 179.
- Bean-drier. G. G. Egge. No. 1,241,465; Sept. 25; v. 242; p. 962.
- Bean-picker, Vacuum. C. D. Naramor. No. 1,242,840; Oct. 9; v. 243; p. 477.
- Bean-picking machines, Roll adjustment for. A. T. Ferrell. No. 1,240,693; Sept. 18; v. 242; p. 688.
- Bean-separator. E. H. Mueller. No. 1,240,999; Sept. 25; v. 242; p. 817.
- Bean-snipper. F. Wegner. No. 1,229,840; June 12; v. 239; p. 543.
- Beans, &c. Machine for snipping. W. Killingsworth. No. 1,246,110; Nov. 13; v. 244; p. 319.
- Bearing. H. W. Alden. No. 1,231,320; June 26; v. 239; p. 1110.
- Bearing. B. R. Barto. No. 1,246,699; Nov. 13; v. 244; p. 495.
- Bearing. O. J. Board. No. 1,240,019; Sept. 11; v. 242; p. 442.
- Bearing. A. L. Broomall and E. G. Tidlund. No. 1,241,493; Oct. 2; v. 243; p. 5.
- Bearing. A. J. Brown. No. 1,227,880; May 29; v. 238; p. 1443.
- Bearing. B. D. Coppage. No. 1,235,116; July 31; v. 240; p. 1300.
- Bearing. F. G. Eppley. No. 1,214,289; Jan. 30; v. 234; p. 1481.
- Bearing. D. H. Friend. No. 1,223,952; Apr. 24; v. 237; p. 1134.
- Bearing. P. F. Holmgren. No. 1,215,374; Feb. 13; v. 235; p. 344.
- Bearing. G. D. Howard. No. 1,232,312; July 3; v. 240; p. 259.
- Bearing. S. Orbán. (Reissue.) No. 14,315; June 12; v. 239; p. 623.
- Bearing. P. A. Reed. No. 1,249,196; Dec. 4; v. 245; p. 222.
- Bearing. E. G. Tidlund. No. 1,231,670; July 3; v. 240; p. 45.
- Bearing. G. H. Wolfe. No. 1,224,874; May 1; v. 238; p. 268.
- Bearing, Adjustable. C. W. Griffin. No. 1,239,266; Sept. 4; v. 242; p. 176.
- Bearing, Adjustable machine-. W. G. Trautman. No. 1,242,744; Oct. 9; v. 243; p. 446.
- Bearing, Adjustable side. S. Hansson. No. 1,233,348; July 17; v. 240; p. 664.
- Bearing, Adjustable side. J. J. Hennessey. No. 1,222,951; Apr. 17; v. 237; p. 754.
- Bearing, Alloy. H. K. Sandell. No. 1,223,001; Apr. 17; v. 237; p. 772.
- Bearing and assembling the same, Antifriction-. A. H. Miller. No. 1,247,858; Nov. 27; v. 244; p. 901.
- Bearing and manufacturing the same, Antifriction-. F. G. Hughes. No. 1,233,476; July 17; v. 240; p. 708.
- Bearing, Antifriction-. L. S. Bache. No. 1,234,853; July 31; v. 240; p. 1217.
- Bearing, Antifriction-. F. Beemer. No. 1,242,911; Oct. 16; v. 243; p. 533.
- Bearing, Antifriction-. F. E. Bright. No. 1,215,474; Feb. 13; v. 235; p. 379.
- Bearing, Antifriction-. T. V. Buckwalter. No. 1,247,928; Nov. 27; v. 244; p. 920.
- Bearing, Antifriction-. R. J. Koster. No. 1,220,345; Mar. 27; v. 236; p. 962.
- Bearing, Antifriction-. A. H. Miller and L. M. Watkin, Jr. No. 1,247,859; Nov. 27; v. 244; p. 901.
- Bearing, Antifriction-. J. H. Moreland. No. 1,211,956; Jan. 9; v. 234; p. 580.
- Bearing, Antifriction-. L. H. Seubert. No. 1,218,605; Mar. 6; v. 236; p. 247.
- Bearing, Antifriction-. L. R. Spencer. No. 1,240,382; Sept. 18; v. 242; p. 593.
- Bearing, Antifriction-. A. A. Weigel. No. 1,221,781; Apr. 3; v. 237; p. 270.
- Bearing, Antifriction-. A. A. Weigel. No. 1,226,729; May 22; v. 238; p. 1026.
- Bearing, Antifriction-. E. S. Woods. No. 1,213,991; Jan. 30; v. 234; p. 1377.
- Bearing, Antifriction-. L. W. Zaar. No. 1,222,059; Apr. 10; v. 237; p. 400.
- Bearing, Antifriction-. L. W. Zaar. No. 1,243,028; Oct. 16; v. 243; p. 571.
- Bearing, Antifriction center-. J. F. O'Connor. No. 1,222,978; Apr. 17; v. 237; p. 763.
- Bearing, Antifriction roller-. C. R. Harris. No. 1,245,145; Oct. 30; v. 243; p. 1284.
- Bearing, Antifriction side. H. M. Perry. No. 1,236,478; Aug. 14; v. 241; p. 336.
- Bearing, Antifriction side. J. M. Rohlfing. No. 1,244,781; Oct. 30; v. 243; p. 1175.
- Bearing, Ball-. J. Bosnyakovits. No. 1,235,102; July 31; v. 240; p. 1296.
- Bearing, Ball-. C. A. Carlson. No. 1,222,846; Apr. 17; v. 237; p. 718.
- Bearing, Ball-. A. L. Carter. No. 1,242,767; Oct. 9; v. 243; p. 454.
- Bearing, Ball-. C. H. Chapman. No. 1,213,805; Jan. 23; v. 234; p. 1284.
- Bearing, Ball-. F. A. Collins, Jr. No. 1,219,919; Mar. 20; v. 236; p. 773.
- Bearing, Ball-. F. A. Collins, Jr. No. 1,219,920; Mar. 20; v. 236; p. 773.
- Bearing, Ball-. F. A. Collins, Jr. No. 1,219,921; Mar. 20; v. 236; p. 774.
- Bearing, Ball-. E. H. Cooper. No. 1,250,805; Dec. 18; v. 245; p. 764.
- Bearing, Ball-. H. H. Dickerhoof. No. 1,242,153; Oct. 9; v. 243; p. 258.
- Bearing, Ball-. A. F. Englerth. No. 1,220,615; Mar. 27; v. 236; p. 1056.
- Bearing, Ball-. A. F. Englerth. No. 1,220,616; Mar. 27; v. 236; p. 1056.
- Bearing, Ball-. P. L. Focardi. No. 1,210,921; Jan. 2; v. 234; p. 188.
- Bearing, Ball-. R. H. Fox. No. 1,213,089; Jan. 16; v. 234; p. 1002.
- Bearing, Ball-. R. H. Fox. No. 1,213,090; Jan. 16; v. 234; p. 1003.
- Bearing, Ball-. D. H. Friend. No. 1,244,846; Oct. 30; v. 243; p. 1194.
- Bearing, Ball-. M. Gohlke. No. 1,239,904; Sept. 11; v. 242; p. 407.
- Bearing, Ball-. E. Kayser. No. 1,238,783; Sept. 4; v. 242; p. 19.
- Bearing, Ball-. O. C. Knipe. No. 1,233,583; July 17; v. 240; p. 744.
- Bearing, Ball-. A. M. Laycock. No. 1,231,752; July 3; v. 240; p. 73.
- Bearing, Ball-. A. E. Lemieux. No. 1,226,782; May 22; v. 238; p. 1045.
- Bearing, Ball-. K. J. Ljungberg. No. 1,234,779; July 31; v. 240; p. 1196.
- Bearing, Ball-. S. V. Mawn. No. 1,246,450; Nov. 13; v. 244; p. 421.
- Bearing, Ball-. J. L. Morris. No. 1,210,516; Jan. 2; v. 234; p. 48.
- Bearing, Ball-. W. H. Needham, D. P. Cook, and E. Klahn. No. 1,242,582; Oct. 9; v. 243; p. 395.
- Bearing, Ball-. W. P. O'Toole. No. 1,235,235; July 31; v. 240; p. 1335.
- Bearing, Ball-. J. F. Richardson. No. 1,214,825; Feb. 6; v. 235; p. 118.
- Bearing, Ball-and-roller. F. Starin. No. 1,241,296; Sept. 25; v. 242; p. 913.
- Bearing cage, Roller-. J. A. Perkins. No. 1,212,551; Jan. 16; v. 234; p. 815.
- Bearing, Car center-. J. F. O'Connor. No. 1,249,468; Dec. 11; v. 245; p. 330.
- Bearing, Car-journal roller-. R. S. Woodward, Jr. No. 1,223,335; Apr. 17; v. 237; p. 883.
- Bearing, cones, Making ball-. C. G. Swenson. No. 1,228,352; May 29; v. 238; p. 1600.
- Bearing, Connecting-rod. H. J. Sheldrup and O. O. Maland. No. 1,226,603; May 15; v. 238; p. 944.
- Bearing construction. D. M. White. No. 1,244,669; Oct. 30; v. 243; p. 1141.
- Bearing-cooling device. B. E. Viele. No. 1,236,238; Aug. 7; v. 241; p. 229.
- Bearing, Cross-head. H. M. Landis. No. 1,247,549; Nov. 20; v. 244; p. 776.
- Bearing, Disk-. H. S. Dickinson. No. 1,234,533; July 24; v. 240; p. 1086.
- Bearing, Double-thrust. C. S. Lockwood. No. 1,226,345; May 15; v. 238; p. 863.
- Bearing, Dust-proof. W. P. Haynie. No. 1,235,470; July 31; v. 240; p. 1405.
- Bearing, Flexible. P. L. Kimball. No. 1,246,111; Nov. 13; v. 244; p. 319.
- Bearing, Floating spindle-. J. M. Clark, 3d. No. 1,229,414; June 12; v. 239; p. 400.
- Bearing for centrifugal machines, Thrust-. T. A. Bryson. No. 1,235,548; Aug. 7; v. 241; p. 6.
- Bearing for centrifugal separators, Spring-. N. Rasmusen. No. 1,235,841; Aug. 7; v. 241; p. 102.
- Bearing for conveyer-rollers. J. A. Alvey. No. 1,219,901; Mar. 20; v. 236; p. 767.
- Bearing for conveyer-rollers. J. A. Alvey. No. 1,241,324; Sept. 25; v. 242; p. 920.
- Bearing for conveyers. G. W. Younkman. No. 1,243,375; Oct. 16; v. 243; p. 676.
- Bearing for drawers, Ball-. E. W. Cox. No. 1,227,889; May 29; v. 238; p. 1447.
- Bearing for gravity-carriers, Ball-. H. J. Buck. No. 1,235,880; Sept. 4; v. 242; p. 51.
- Bearing for journal-boxes, Ball-and-roller. A. O. Irwin. No. 1,212,065; Jan. 9; v. 234; p. 614.
- Bearing for journals, shafts, and hubs. W. D. Quigley. No. 1,242,239; Oct. 9; v. 243; p. 285.
- Bearing for quilling-machines and the like. E. P. Searing. No. 1,234,223; July 24; v. 240; p. 985.
- Bearing for scales. G. C. Devitt and S. B. Whistler. No. 1,245,202; Nov. 6; v. 244; p. 18.
- Bearing for spindles, Ball-. J. H. Mayes. No. 1,248,885; Dec. 4; v. 245; p. 135.
- Bearing for stamp-mills, Antifriction-. T. R. Garnier. No. 1,228,312; May 29; v. 238; p. 1586.
- Bearing for vertical shafts. W. Bartholomew. No. 1,213,145; Jan. 23; v. 234; p. 1056.
- Bearing for wrought-metal structures and forming the same, Composite. A. L. Putnam. No. 1,217,633; Feb. 27; v. 235; p. 1238.
- Bearing, Horizontal-thrust. A. Kingsbury. No. 1,242,948; Oct. 16; v. 243; p. 646.

- Bearing-housing. E. G. Tidlund. No. 1,221,108; Apr. 3; v. 237; p. 36.
- Bearing, Lubricating-. M. P. Chaplin. No. 1,225,577; May 8; v. 238; p. 558.
- Bearing, Lubricating-. A. G. M. Michell. No. 1,236,337; Aug. 7; v. 241; p. 258.
- Bearing lubrication. L. L. Battu. No. 1,226,844; May 22; v. 238; p. 1065.
- Bearing lubrication. M. F. Williams. No. 1,238,239; Aug. 28; v. 241; p. 974.
- Bearing, Machine-. C. A. Hirth. No. 1,244,090; Oct. 23; v. 243; p. 928.
- Bearing, Oil-tight. C. G. Swenson. No. 1,231,216; June 26; v. 239; p. 1077.
- Bearing remover, Cam-shaft-. E. H. Gron. No. 1,241,846; Oct. 2; v. 243; p. 120.
- Bearing, Rock-shaft. E. D. Roy. No. 1,234,808; July 31; v. 240; p. 1204.
- Bearing, Rocker side. C. B. Patch. No. 1,250,638; Dec. 18; v. 245; p. 714.
- Bearing, Roller-. A. Amess. No. 1,232,750; July 10; v. 240; p. 437.
- Bearing, Roller-. L. H. Cormier. No. 1,222,534; Apr. 10; v. 237; p. 569.
- Bearing, Roller-. D. W. Crosland. No. 1,242,530; Oct. 9; v. 243; p. 377.
- Bearing, Roller-. E. S. Folk. No. 1,230,145; June 19; v. 239; p. 679.
- Bearing, Roller-. E. S. Folk. No. 1,232,523; July 10; v. 240; p. 362.
- Bearing, Roller-. L. D. Freeland. No. 1,251,004; Dec. 25; v. 245; p. 873.
- Bearing, Roller-. D. G. Galbraith. No. 1,210,632; Jan. 2; v. 234; p. 88.
- Bearing, Roller-. W. Gihon. No. 1,244,190; Oct. 23; v. 243; p. 957.
- Bearing, Roller-. C. R. Harris and L. W. Lyons. No. 1,245,146; Oct. 30; v. 243; p. 1284.
- Bearing, Roller-. C. R. Harris and L. W. Lyons. No. 1,245,147; Oct. 30; v. 243; p. 1285.
- Bearing, Roller-. A. T. Killian. No. 1,246,934; Nov. 20; v. 244; p. 601.
- Bearing, Roller-. A. M. Laycock. No. 1,236,950; Aug. 14; v. 241; p. 491.
- Bearing, Roller-. A. M. Laycock. No. 1,247,288; Nov. 20; v. 244; p. 702.
- Bearing, Roller-. A. M. Laycock. No. 1,247,289; Nov. 20; v. 244; p. 703.
- Bearing, Roller-. A. M. Laycock. No. 1,249,784; Dec. 11; v. 245; p. 424.
- Bearing, Roller-. W. H. Makutchan. No. 1,246,294; Nov. 13; v. 244; p. 374.
- Bearing, Roller-. P. Massman. No. 1,250,607; Dec. 18; v. 245; p. 705.
- Bearing, Roller-. O. E. Michaud. No. 1,220,765; Mar. 27; v. 236; p. 1106.
- Bearing, Roller-. J. H. Modler. No. 1,226,685; May 22; v. 238; p. 1010.
- Bearing, Roller-. H. J. Moysey. No. 1,250,620; Dec. 18; v. 245; p. 709.
- Bearing, Roller-. T. W. Owen. No. 1,225,266; May 8; v. 238; p. 450.
- Bearing, Roller-. E. A. Perkins. No. 1,212,253; Jan. 16; v. 234; p. 710.
- Bearing, Roller-. J. A. Perkins. No. 1,212,550; Jan. 16; v. 234; p. 815.
- Bearing, Roller-. J. A. Perkins. No. 1,233,905; July 17; v. 240; p. 847.
- Bearing, Roller-. J. A. Perkins. No. 1,239,619; Sept. 11; v. 242; p. 315.
- Bearing, Roller-. E. L. Sharpneck. No. 1,250,367; Dec. 18; v. 245; p. 633.
- Bearing, Roller-. G. W. Thomas. No. 1,236,017; Aug. 7; v. 241; p. 160.
- Bearing, Roller-. A. P. Wills. No. 1,222,833; Apr. 17; v. 237; p. 714.
- Bearing, Roller-. S. G. Wingquist. No. 1,224,346; May 1; v. 238; p. 83.
- Bearing roller, Ball-. E. Klahn. No. 1,212,508; Jan. 16; v. 234; p. 798.
- Bearing roller, Ball-. E. Klahn. No. 1,218,275; Mar. 6; v. 236; p. 137.
- Bearing, Roller, side. R. E. Fordice. No. 1,226,202; May 15; v. 238; p. 812.
- Bearing, Roller, side. J. F. O'Connor. No. 1,228,236; May 29; v. 238; p. 1561.
- Bearing, Roller, side. J. F. O'Connor. No. 1,251,090; Dec. 25; v. 245; p. 897.
- Bearing, Roller, side. C. B. Patch. No. 1,225,677; May 8; v. 238; p. 591.
- Bearing, Roller, side. A. Stuckl. No. 1,232,118; July 3; v. 240; p. 197.
- Bearing, Self-adjusting ball-. T. G. Rennerfelt. No. 1,246,321; Nov. 13; v. 244; p. 382.
- Bearing, Self-adjusting shaft-. W. B. Titus and J. Pashinsky. No. 1,230,628; June 19; v. 239; p. 841.
- Bearing, Self-centering hydraulic. F. Hayes. No. 1,238,515; Aug. 28; v. 241; p. 1064.
- Bearing, Self-centering roller-. O. T. Gregg. No. 1,246,589; Nov. 13; v. 244; p. 464.
- Bearing, Self-ooling. J. M. Seymour, Jr. No. 1,227,082; May 22; v. 238; p. 1147.
- Bearing, Self-ooling. E. D. Spicer. No. 1,244,914; Oct. 30; v. 243; p. 1216.
- Bearing, Self-ooling. H. G. Vance. No. 1,237,423; Aug. 21; v. 241; p. 680.
- Bearing, Shaft-. W. Sparks. No. 1,239,057; Sept. 4; v. 242; p. 108.
- Bearing, Side. F. L. Barber and E. W. Webb. No. 1,212,436; Jan. 16; v. 234; p. 775.
- Bearing, Side. F. L. Barber and E. W. Webb. No. 1,214,118; Jan. 30; v. 234; p. 1422.
- Bearing, Side. A. Page, Jr. No. 1,214,580; Feb. 6; v. 235; p. 34.
- Bearing, Side. W. E. Wine. No. 1,224,345; May 1; v. 238; p. 83.
- Bearing spring casing-hook, Ball-. W. B. Wigle. (Re-issue.) No. 14,253; Jan. 23; v. 234; p. 1288.
- Bearing, Spring-controlled roller side. C. B. Patch. No. 1,225,678; May 8; v. 238; p. 591.
- Bearing-surface for machinery. E. H. Waring. No. 1,236,511; Aug. 14; v. 241; p. 348.
- Bearing, Thrust-. H. Hess. No. 1,232,800; July 10; v. 240; p. 453.
- Bearing, Thrust-. A. T. Killiam. No. 1,228,567; June 5; v. 239; p. 66.
- Bearing, Thrust-. A. Kingsbury. No. 1,229,291; June 12; v. 239; p. 358.
- Bearing, Thrust-. F. W. Krogh. No. 1,243,429; Oct. 16; v. 243; p. 692.
- Bearing, Thrust-. C. W. Mercer. No. 1,229,306; June 12; v. 239; p. 363.
- Bearing, Thrust-. J. A. Perkins. No. 1,218,311; Mar. 6; v. 236; p. 149.
- Bearing, Thrust-. J. A. Perkins. No. 1,218,312; Mar. 6; v. 236; p. 149.
- Bearing, Thrust-. R. Siegfried. No. 1,215,314; Feb. 6; v. 235; p. 290.
- Bearing, Thrust-. M. P. and J. B. Zimmerman. No. 1,249,707; Dec. 11; v. 245; p. 400.
- Bearing, Truck-. F. G. Koehler. No. 1,226,894; May 22; v. 238; p. 1081.
- Bearing, Truck-retaining center-. J. N. Coleman. No. 1,243,387; Oct. 16; v. 243; p. 678.
- Bearing, Truck side. B. W. Kadel. No. 1,241,396; Sept. 25; v. 242; p. 941.
- Bearing-wheel. F. J. Miner. No. 1,239,288; Sept. 4; v. 242; p. 183.
- Bearing with contact-shoe, Side. J. M. Rohlfing. No. 1,244,782; Oct. 30; v. 243; p. 1176.
- Bearing, Yielding neck-. J. V. M. Risberg and G. W. Johansson. No. 1,213,546; Jan. 23; v. 234; p. 1197.
- Bearings and manufacturing same, Adjusting device for. C. E. Wilson. No. 1,229,693; June 12; v. 239; p. 494.
- Bearings, Apparatus for assembling ball-. F. W. Gurney. No. 1,232,293; July 3; v. 240; p. 253.
- Bearings, Ball-cage for. L. R. Heim. No. 1,222,760; Apr. 17; v. 237; p. 690.
- Bearings, Ball-cage for ball-. F. E. Johanson. No. 1,223,492; Apr. 24; v. 237; p. 972.
- Bearings, Ball-cage for ball-. K. Karlsson. No. 1,223,396; Apr. 24; v. 237; p. 937.
- Bearings, Ball-cage for ball-. K. Karlsson and F. E. Johanson. No. 1,223,395; Apr. 24; v. 237; p. 937.
- Bearings, Ball-cage for ball-. V. E. Westerberg. No. 1,211,903; Jan. 9; v. 234; p. 560.
- Bearings, Ball-container for ball-. J. O. Burklund. No. 1,222,927; Apr. 17; v. 237; p. 746.
- Bearings, Ball-retainer for radial ball-. S. G. Wingquist. No. 1,242,502; Oct. 9; v. 243; p. 368.
- Bearings, Ball-retainer of sheet metal for ball-. B. W. Fjellman. No. 1,224,624; May 1; v. 238; p. 181.
- Bearings, Cage for antifriction-. F. E. Bright. No. 1,221,020; Apr. 3; v. 237; p. 6.
- Bearings, Cage for roller-. C. S. Lockwood. No. 1,238,309; Aug. 28; v. 241; p. 998.
- Bearings, Cage for roller-. A. J. Strong. No. 1,242,388; Oct. 9; v. 243; p. 322.
- Bearings, Clamping device for ball-. J. Vorraber. No. 1,251,449; Dec. 25; v. 245; p. 1003.
- Bearings, Device for loosening outer races of ball-. E. P. Campbell. No. 1,241,819; Oct. 2; v. 243; p. 112.
- Bearings, Finishing ball-. F. Starin. No. 1,224,680; May 1; v. 238; p. 201.
- Bearings, Housing for ball or roller. F. G. Beetem. No. 1,211,814; Jan. 9; v. 234; p. 527.
- Bearings, Lubricating device for. C. F. Timm. No. 1,248,754; Dec. 4; v. 245; p. 97.
- Bearings, Lubrication of. H. S. Wheeler. No. 1,212,862; Jan. 16; v. 234; p. 924.
- Bearings of rotating devices, Apparatus for elevating and lowering the. G. F. Helson. No. 1,244,206; Oct. 23; v. 243; p. 962.
- Bearings, Packing for shaft. F. J. Union. No. 1,248,040; Nov. 27; v. 244; p. 949.
- Bearings, Retainer for ball-. R. H. Fox and E. D. House. No. 1,246,001; Nov. 6; v. 244; p. 255.
- Bearings, Two-part race for roller or ball. C. A. Hirth. No. 1,220,633; Mar. 27; v. 236; p. 1062.
- Beater. W. B. Albright. No. 1,214,493; Feb. 6; v. 235; p. 3.
- Beater. E. Schubert. No. 1,237,707; Aug. 21; v. 241; p. 771.
- Beater-blade for centrifugal dressers. J. J. Trefz. No. 1,216,891; Feb. 20; v. 235; p. 934.
- Beater mill, Rotary-. T. J. Sturtevant. No. 1,212,418; Jan. 16; v. 234; p. 769.

Alphabetical list of inventions—Continued.

- Beater mill, Rotary-. T. L. Sturtevant. No. 1,212,419; Jan. 16; v. 234; p. 769.
- Beater mill, Rotary-. T. J. Sturtevant. No. 1,215,075; Feb. 6; v. 235; p. 208.
- Beater or mixer. L. Rupp. No. 1,243,982; Oct. 23; v. 243; p. 896.
- Beater-roll. J. A. Muir. No. 1,225,476; May 8; v. 238; p. 524.
- Beaters, Operating device for. E. A. Joinette. No. 1,246,103; Nov. 13; v. 244; p. 317.
- Beating-engine. P. R. Thom. No. 1,229,545; June 12; v. 239; p. 445.
- Beating-machine, Sanitary. R. Olleo. No. 1,229,778; June 12; v. 239; p. 522.
- Bed. N. R. Brady. No. 1,224,065; Apr. 24; v. 237; p. 1172.
- Bed. C. B. Chenault. No. 1,241,195; Sept. 25; v. 242; p. 878.
- Bed. P. C. Creso. No. 1,229,722; June 12; v. 239; p. 503.
- Bed. J. E. Hanger, Sr. No. 1,242,545; Oct. 9; v. 243; p. 382.
- Bed. E. J. Hickson. No. 1,221,856; Apr. 10; v. 237; p. 329.
- Bed. L. C. Hunter. No. 1,218,775; Mar. 13; v. 236; p. 346.
- Bed. B. McIntosh. No. 1,230,913; June 26; v. 239; p. 971.
- Bed. I. McTimmonds. No. 1,229,168; June 5; v. 239; p. 267.
- Bed. F. A. Mershon. No. 1,218,102; Mar. 6; v. 236; p. 75.
- Bed. P. Pedersen. No. 1,224,782; May 1; v. 238; p. 236.
- Bed. D. Steffen. No. 1,245,131; Oct. 30; v. 243; p. 1280.
- Bed and crib coupling device. H. H. Bugele. No. 1,229,221; June 12; v. 239; p. 334.
- Bed and other article of furniture. J. Close. No. 1,239,158; Sept. 4; v. 242; p. 140.
- Bed and parcel-carrier, Combined. J. C. Goin. No. 1,229,255; June 12; v. 239; p. 345.
- Bed and similar article. W. E. Frank. No. 1,245,211; Nov. 6; v. 244; p. 21.
- Bed and table, Combined. B. J. Cobb. No. 1,233,313; July 17; v. 240; p. 652.
- Bed and tent, Folding camp. G. P. Chapman. No. 1,241,342; Sept. 25; v. 242; p. 925.
- Bed attachment. A. E. Anderson. No. 1,223,230; Apr. 17; v. 237; p. 848.
- Bed attachment. C. H. Reynolds. No. 1,234,804; July 31; v. 240; p. 1203.
- Bed attachment. E. Rose. No. 1,219,158; Mar. 13; v. 236; p. 479.
- Bed attachment, Invalid-. J. H. Leal. No. 1,222,873; Apr. 17; v. 237; p. 729.
- Bed attachment, Invalid's-. A. R. Potts and J. M. Crow. No. 1,215,850; Feb. 13; v. 235; p. 517.
- Bed, Baby-. F. M. Sawyer. No. 1,211,762; Jan. 9; v. 234; p. 507.
- Bed-bottom or the like. B. McIntosh. No. 1,242,960; Oct. 16; v. 243; p. 549.
- Bed-bottom, Spring. W. B. Anderson. No. 1,211,522; Jan. 9; v. 234; p. 425.
- Bed-bottom, Spring. M. Daxe. No. 1,211,922; Jan. 9; v. 234; p. 566.
- Bed-chair. A. S. Johnson. No. 1,230,301; June 19; v. 239; p. 731.
- Bed, Collapsible. Z. C. Angevine. No. 1,246,218; Nov. 13; v. 244; p. 351.
- Bed, Collapsible. F. Strug. No. 1,250,697; Dec. 18; v. 245; p. 731.
- Bed, Collapsible baby-. A. I. Lucas. No. 1,211,730; Jan. 9; v. 234; p. 495.
- Bed, Combination-. S. Lundblad. No. 1,211,196; Jan. 2; v. 234; p. 281.
- Bed construction. C. H. Russell. No. 1,238,441; Aug. 28; v. 241; p. 1040.
- Bed, Contact-point. I. Hadley. No. 1,248,318; Nov. 27; v. 244; p. 1029.
- Bed, Cot-. N. Kaplan. No. 1,237,052; Aug. 14; v. 241; p. 525.
- Bed, Couch-. H. B. Arnold. No. 1,218,608; Mar. 6; v. 236; p. 249.
- Bed, Couch-. C. H. Young. No. 1,247,777; Nov. 27; v. 244; p. 878.
- Bed, Davenport-. L. J. Voelz. No. 1,231,223; June 26; v. 239; p. 1078.
- Bed, Disappearing. J. C. and H. W. Beach. No. 1,228,872; June 5; v. 239; p. 170.
- Bed, Disappearing. J. C. and H. W. Beach. No. 1,249,269; Dec. 4; v. 245; p. 243.
- Bed, Disappearing. L. C. Hunter. No. 1,244,736; Oct. 30; v. 243; p. 1162.
- Bed, Disappearing. E. C. Pitcher. No. 1,236,348; Aug. 7; v. 241; p. 261.
- Bed, Disappearing. C. H. Taylor. No. 1,239,540; Sept. 11; v. 242; p. 290.
- Bed, Disappearing. G. S. Welch. No. 1,236,515; Aug. 14; v. 241; p. 349.
- Bed elevating and transporting device. S. Fillion. No. 1,214,769; Feb. 6; v. 235; p. 100.
- Bed-fabric chains, Machine for assembling. G. B. Smith. No. 1,227,972; May 29; v. 238; p. 1476.
- Bed-fabric chains, Machine for assembling. G. B. Smith. No. 1,228,491; June 5; v. 239; p. 40.
- Bed fastening, Metal-. W. T. Bonner. No. 1,212,736; Jan. 16; v. 234; p. 883.
- Bed, Folding. J. C. Beach. No. 1,249,270; Dec. 4; v. 245; p. 243.
- Bed, Folding. H. Brandt. No. 1,241,705; Oct. 2; v. 243; p. 75.
- Bed, Folding. M. Cox. No. 1,224,715; May 1; v. 238; p. 214.
- Bed, Folding. J. A. Dewey. No. 1,214,284; Jan. 30; v. 234; p. 1479.
- Bed, Folding. J. A. Dewey. No. 1,229,242; June 12; v. 239; p. 341.
- Bed, Folding. J. A. Dewey. No. 1,233,759; July 17; v. 240; p. 799.
- Bed, Folding. W. Goodcell. No. 1,224,738; May 1; v. 238; p. 222.
- Bed, Folding. C. R. Klok. No. 1,243,423; Oct. 16; v. 243; p. 690.
- Bed, Folding. C. R. Klok. No. 1,244,987; Oct. 30; v. 243; p. 1237.
- Bed, Folding. C. R. Klok. No. 1,244,988; Oct. 30; v. 243; p. 1237.
- Bed, Folding. W. L. Murphy. No. 1,218,202; Mar. 6; v. 236; p. 109.
- Bed, Folding. J. G. Negrete. No. 1,234,067; July 17; v. 240; p. 897.
- Bed, Folding. W. Pappas. No. 1,246,781; Nov. 13; v. 244; p. 520.
- Bed, Folding. O. Pearce. No. 1,234,798; July 31; v. 240; p. 1201.
- Bed, Folding. G. F. Sisbower and L. E. Pittoni. No. 1,220,015; Mar. 20; v. 236; p. 806.
- Bed, Folding. G. F. Sisbower and L. E. Pittoni. No. 1,220,016; Mar. 20; v. 236; p. 806.
- Bed, Folding cot-. B. H. Jones. No. 1,218,868; Mar. 13; v. 236; p. 382.
- Bed, Folding couch-. H. Chessler. No. 1,234,627; July 24; v. 240; p. 1115.
- Bed foot-rail connection, Wall-. C. M. Henderson and E. Cocks. No. 1,228,915; June 5; v. 239; p. 184.
- Bed-frame. J. H. Bradley. No. 1,218,519; Mar. 6; v. 236; p. 217.
- Bed-frame. W. L. Fredericks. No. 1,240,697; Sept. 18; v. 242; p. 689.
- Bed-frame. C. W. Walstrom. No. 1,243,234; Oct. 16; v. 243; p. 633.
- Bed-frame. J. Zatzkin. No. 1,242,509; Oct. 9; v. 243; p. 370.
- Bed-frame corner-block. W. J. Grotenhuis. No. 1,213,098; Jan. 16; v. 234; p. 1006.
- Bed-frame corner construction. J. F. Banta. No. 1,211,908; Jan. 9; v. 234; p. 562.
- Bed-frames, Section-locking means for foldable. P. J. De Does. No. 1,218,748; Mar. 13; v. 236; p. 837.
- Bed, Hospital-. M. J. Ford. No. 1,246,078; Nov. 13; v. 244; p. 309.
- Bed, Hydraulic. S. N. Hall. No. 1,212,479; Jan. 16; v. 234; p. 789.
- Bed, Invalid-. W. C. De Wendt. No. 1,227,399; May 22; v. 238; p. 1251.
- Bed, Invalid-. C. T. Joslin. No. 1,219,558; Mar. 20; v. 236; p. 648.
- Bed, Invalid-. W. A. McMullin and F. E. Rittenhouse. No. 1,238,545; Aug. 28; v. 241; p. 1075.
- Bed, Invalid-. M. McNeil. No. 1,224,478; May 1; v. 238; p. 131.
- Bed-linen. A. V. Hansen. No. 1,241,968; Oct. 2; v. 243; p. 159.
- Bed-lounge, Folding. D. F. Dyke. No. 1,232,013; July 3; v. 240; p. 160.
- Bed of the foldable type. J. M. Whalbe. No. 1,247,192; Nov. 20; v. 244; p. 674.
- Bed or crib corner, Metal. H. S. Weissmann. No. 1,246,512; Nov. 13; v. 244; p. 440.
- Bed-pan. H. C. Milligan. No. 1,237,673; Aug. 21; v. 241; p. 761.
- Bed-pan. A. T. Webster. No. 1,218,023; Mar. 6; v. 236; p. 47.
- Bed-pan. F. Welsh. No. 1,251,311; Dec. 25; v. 245; p. 963.
- Bed-plate. C. B. Mills. No. 1,227,292; May 22; v. 238; p. 1217.
- Bed-plate. C. I. Ware. No. 1,212,159; Jan. 9; v. 234; p. 647.
- Bedpost bracket attachment. R. Hoder. No. 1,248,117; Nov. 27; v. 244; p. 972.
- Bed-rail. J. R. Kemper. No. 1,230,490; June 19; v. 239; p. 793.
- Bed-rail coupling. W. L. Fredericks. No. 1,240,696; Sept. 18; v. 242; p. 689.
- Bed, Sliding. J. T. Price. No. 1,232,602; July 10; v. 240; p. 386.
- Bed, Sofa-. F. L. Andren. No. 1,237,740; Aug. 21; v. 241; p. 782.
- Bed, Sofa-. P. J. De Does. No. 1,210,432; Jan. 2; v. 234; p. 19.
- Bed, Sofa-. O. J. Englund. No. 1,225,942; May 15; v. 238; p. 723.
- Bed, Sofa-. F. W. Gent. No. 1,233,218; July 10; v. 240; p. 588.
- Bed, Sofa-. W. J. Kelly. No. 1,223,798; Apr. 24; v. 237; p. 1082.
- Bed, Spring-. J. A. Fraize. No. 1,239,171; Sept. 4; v. 242; p. 144.

- Bed-spring. M. Lowy. No. 1,214,560; Feb. 6; v. 235; p. 27.
- Bed-spring. M. Lowy. No. 1,214,805; Feb. 6; v. 235; p. 111.
- Bed-spring. W. W. Nolting. No. 1,244,635; Oct. 30; v. 243; p. 1130.
- Bed-spring. G. G. Powers. No. 1,243,099; Oct. 16; v. 243; p. 594.
- Bed-spring. C. G. Smith. No. 1,241,293; Sept. 25; v. 242; p. 912.
- Bed-spring. J. L. Yates. No. 1,228,158; May 29; v. 238; p. 1536.
- Bed-spring, Adjustable. J. H. Willems. No. 1,229,561; June 12; v. 239; p. 450.
- Bed-spring and similar structure, Spiral. W. E. Frank. No. 1,245,210; Nov. 6; v. 244; p. 21.
- Bed-spring and tightener. C. C. Mitchell and W. J. Barmham. No. 1,223,193; Apr. 17; v. 237; p. 838.
- Bed-spring, Collapsible. C. H. Baldwin and A. R. Shute. No. 1,211,041; Jan. 2; v. 234; p. 230.
- Bed-spring construction. W. J. Kain. No. 1,246,277; Nov. 13; v. 244; p. 369.
- Bed-spring cover. J. L. Tandy. No. 1,227,693; May 29; v. 238; p. 1379.
- Bed-spring-dividing member. W. H. Holmes. No. 1,230,406; June 19; v. 239; p. 764.
- Bed-spring fabric. G. B. Smith. No. 1,227,970; May 29; v. 238; p. 1475.
- Bed-spring fabric. G. B. Smith. No. 1,227,971; May 29; v. 238; p. 1475.
- Bed-spring for beds, davenport, couches, and the like, Adjustable. J. R. Stark. No. 1,243,887; Oct. 23; v. 243; p. 868.
- Bed-spring hanger. W. B. Foster. No. 1,224,158; May 1; v. 238; p. 14.
- Bed-spring-locking device. F. P. Chesley. No. 1,224,601; May 1; v. 238; p. 173.
- Bed-spring-reinforcing member. J. H. Montstream. No. 1,240,755; Sept. 18; v. 242; p. 707.
- Bed-spring, Spiral. W. E. Frank. No. 1,245,209; Nov. 6; v. 244; p. 20.
- Bed-springs, Device for stretching wire-fabric. J. H. Marsh. No. 1,247,857; Nov. 27; v. 244; p. 900.
- Bed structure, Folding-. G. F. Sisbower and L. E. Pittoni. No. 1,229,536; June 12; v. 239; p. 441.
- Bed-support. J. E. Butler. No. 1,247,369; Nov. 20; v. 244; p. 725.
- Bed-support, Adjustable. A. Tonnele and W. J. Curtis. No. 1,226,415; May 15; v. 238; p. 885.
- Bed, Table-. C. R. Klok. No. 1,243,424; Oct. 16; v. 243; p. 690.
- Bed, Table-. C. R. Klok. No. 1,243,425; Oct. 16; v. 243; p. 691.
- Bed, Table-. C. R. Klok. No. 1,243,426; Oct. 16; v. 243; p. 691.
- Bed, Table-. C. R. Klok. No. 1,246,611; Nov. 13; v. 244; p. 471.
- Bed, Table-. C. R. Klok. No. 1,246,612; Nov. 13; v. 244; p. 471.
- Bed, Table-. P. E. Kroehler. No. 1,216,704; Feb. 20; v. 235; p. 870.
- Bed-table. A. F. L. Merz. No. 1,235,359; July 31; v. 240; p. 1373.
- Bed-table. H. A. Walker. No. 1,231,678; July 3; v. 240; p. 48.
- Bed-table, Adjustable. C. N. Nelson. No. 1,247,990; Nov. 27; v. 244; p. 938.
- Bed-table, Folding. O. J. Wise. No. 1,220,578; Mar. 27; v. 236; p. 1044.
- Bed, Wall-. M. Brand. No. 1,230,105; June 19; v. 239; p. 665.
- Bed, Wall-. N. C. Nelsen. No. 1,243,336; Oct. 16; v. 243; p. 664.
- Bed, wardrobe, and dresser, Combination wall-. P. S. Sorensen. No. 1,242,382; Oct. 9; v. 243; p. 330.
- Beds and other articles of furniture, Corner-fastening for. W. Shannon. No. 1,230,333; June 19; v. 239; p. 742.
- Beds and the like, Corner-fastening for metal. L. Frank. No. 1,228,898; June 5; v. 239; p. 178.
- Beds, Bedclothes-support for folding. T. Spaulding. No. 1,214,090; Jan. 30; v. 234; p. 1412.
- Beds, Corner-fastener for iron. A. E. Hoene. No. 1,226,885; May 22; v. 238; p. 1079.
- Beds, Detaining attachment for. M. M. Morrill. No. 1,216,719; Feb. 20; v. 235; p. 876.
- Beds, Disappearing table attachment for. C. A. Pertsch. No. 1,233,502; July 17; v. 240; p. 717.
- Beds, Reading-bracket for. M. S. Bogdanski. No. 1,218,923; Mar. 13; v. 236; p. 400.
- Beds, Spring-bottom for. S. Stransky. No. 1,245,060; Oct. 30; v. 243; p. 1258.
- Beds, Table attachment for. C. Dresel. No. 1,221,296; Apr. 3; v. 237; p. 104.
- Beds, Table attachment for. C. R. Wilson. No. 1,217,676; Feb. 27; v. 235; p. 1253.
- Beds, Wardrobe attachment for. F. L. Groff and W. N. Bunce. No. 1,218,396; Mar. 6; v. 236; p. 177.
- Bedclothes-clamp. W. J. Pendry. No. 1,226,807; May 22; v. 238; p. 1053.
- Bedclothes-holder. J. T. Cowles. No. 1,220,198; Mar. 27; v. 236; p. 909.
- Bedclothes-holder. C. L. Wecht. No. 1,251,308; Dec. 25; v. 245; p. 962.
- Bedding-roll. S. Miles. No. 1,239,712; Sept. 11; v. 242; p. 346.
- Bedroom-chair. K. Ross. No. 1,229,657; June 12; v. 239; p. 483.
- Bedside-guard. S. Haskes. No. 1,240,201; Sept. 18; v. 242; p. 536.
- Bedstead. G. Golden. No. 1,240,195; Sept. 18; v. 242; p. 534.
- Bedstead. L. L. Judge. No. 1,248,338; Nov. 27; v. 244; p. 1034.
- Bedstead. M. Lachman. No. 1,221,872; Apr. 10; v. 237; p. 335.
- Bedstead. S. W. Martin. No. 1,245,484; Nov. 6; v. 244; p. 102.
- Bedstead attachment. J. D. Parker. No. 1,215,403; Feb. 13; v. 235; p. 354.
- Bedstead construction. R. Bradshaw. No. 1,214,503; Feb. 6; v. 235; p. 6.
- Bedstead construction. P. H. Friel. No. 1,213,473; Jan. 23; v. 234; p. 1171.
- Bedstead corner-bracket. H. V. Lough. No. 1,213,218; Jan. 23; v. 234; p. 1081.
- Bedstead, Metallic. L. Frank and J. Cooper. No. 1,210,924; Jan. 2; v. 234; p. 189.
- Bedstead, Surgical. T. W. Bevan. No. 1,242,315; Oct. 9; v. 243; p. 309.
- Bedsteads, Tray attachment for. L. E. Berkey. No. 1,232,757; July 10; v. 240; p. 439.
- Bee-shipping package. F. W. Summerfield. No. 1,239,536; Sept. 11; v. 242; p. 289.
- Beehive. E. Hains. No. 1,211,145; Jan. 2; v. 234; p. 263.
- Beehive. J. W. Jordan. No. 1,211,587; Jan. 9; v. 234; p. 448.
- Beehive. H. B. Knights. No. 1,235,576; Aug. 7; v. 241; p. 16.
- Beehive. A. G. Woodman. No. 1,242,628; Oct. 9; v. 243; p. 409.
- Beehive attachment. T. Akashi. No. 1,247,607; Nov. 27; v. 244; p. 825.
- Beehives, Adjustable entrance-gate for. M. E. Reisinger. No. 1,243,555; Oct. 16; v. 243; p. 728.
- Beefsteak-conditioner, Noiseless. F. R. Peeler. No. 1,212,999; Jan. 16; v. 234; p. 973.
- Beer, ale, and the like, Apparatus for carbonating. O. P. Rindelhardt. No. 1,215,864; Feb. 13; v. 235; p. 521.
- Beer-cooler. J. A. Steinmetz. No. 1,244,140; Oct. 23; v. 243; p. 943.
- Beer-cooler. W. F. Vosseler. No. 1,218,724; Mar. 13; v. 236; p. 327.
- Beer, &c., Manufacture of dry extracts of. H. Heuser. No. 1,228,917; June 5; v. 239; p. 184.
- Beer-preserving compound. G. Rottenkolber. No. 1,217,641; Feb. 27; v. 235; p. 1241.
- Beer, Producing yoghurt. W. Henneberg. No. 1,228,916; June 5; v. 239; p. 184.
- Beer, Treating. C. S. Ash. No. 1,234,255; July 24; v. 240; p. 996.
- Beer-wort and for precipitating sludge from same, Apparatus for cooling and rousing. L. Nathan. No. 1,235,231; July 31; v. 240; p. 1334.
- Beet and vegetable topper. L. N. Meek. No. 1,225,841; May 15; v. 238; p. 688.
- Beet-chopper. W. Butler. No. 1,250,794; Dec. 18; v. 245; p. 760.
- Beet-cutter. R. J. Binkley and R. A. Steps. No. 1,241,702; Oct. 2; v. 243; p. 74.
- Beet-cutter. J. Sailer. No. 1,230,329; June 19; v. 239; p. 740.
- Beet-cutting machine. R. J. Binkley. No. 1,238,982; Sept. 4; v. 242; p. 85.
- Beet-digger. R. Nelson. No. 1,248,379; Nov. 27; v. 244; p. 1046.
- Beet lifting and digging device. F. P. Addleman. No. 1,211,030; Jan. 2; v. 234; p. 226.
- Beet-lifting machine. J. B. Hancock. No. 1,222,098; Apr. 10; v. 237; p. 414.
- Beet-pulling machine. W. K. Lewis. No. 1,235,903; Aug. 7; v. 241; p. 123.
- Beet thinner and weeder. W. Larson. No. 1,251,059; Dec. 25; v. 245; p. 889.
- Beet-topper. C. Arndt. No. 1,231,837; July 3; v. 240; p. 102.
- Beet-topper. H. D. Brown. No. 1,225,759; May 15; v. 238; p. 662.
- Beet-topper. J. L. Goulet. No. 1,220,977; Mar. 27; v. 236; p. 1176.
- Beet-topper. A. H. Kramer. No. 1,235,490; July 31; v. 240; p. 1411.
- Beet-topper. J. M. Sherer. No. 1,214,381; Jan. 30; v. 234; p. 1514.
- Beet-topping knife. O. P. Huish and O. E. McClellan. No. 1,248,330; Nov. 27; v. 244; p. 1033.
- Beet-topping machine. J. B. Hancock. No. 1,222,099; Apr. 10; v. 237; p. 415.
- Beet-topping machine. S. A. Moon. No. 1,217,330; Feb. 27; v. 235; p. 1127.
- Beet-topping machine. W. T. Pomranke. No. 1,241,761; Oct. 2; v. 243; p. 93.
- Beet-topping machine. W. A. Rush. No. 1,235,843; Aug. 7; v. 241; p. 102.
- Beet-topping machine. G. C. Thayer. No. 1,221,775; Apr. 3; v. 237; p. 263.

Alphabetical list of inventions—Continued.

- Beets and the like, Machine for cutting off the tops of. O. Frankman. No. 1,212,931; Jan. 16; v. 234; p. 948.
- Bell. A. F. Rockwell and V. W. Page. No. 1,237,818; Aug. 21; v. 241; p. 805.
- Bell, Alarm-. A. F. Rockwell. No. 1,226,010; May 15; v. 238; p. 746.
- Bell and burglar-alarm, Combined. E. J. Lutwyche. No. 1,211,732; Jan. 9; v. 234; p. 496.
- Bell and buzzer, Electric. H. G. Osborne. No. 1,235,234; July 31; v. 240; p. 1335.
- Bell, Bicycle-. R. G. Fessler. No. 1,213,469; Jan. 23; v. 234; p. 1170.
- Bell, Crossing-. E. W. Vogel. No. 1,239,850; Sept. 11; v. 242; p. 390.
- Bell, Electric. W. J. Smith. No. 1,216,743; Feb. 20; v. 235; p. 884.
- Bell, Electric. M. Suwa. No. 1,222,159; Apr. 10; v. 237; p. 436.
- Bell-end pipe. J. Gradl. No. 1,249,743; Dec. 11; v. 245; p. 410.
- Bell-operating device. W. Sak. No. 1,214,831; Feb. 6; v. 235; p. 120.
- Bell, Signal-. L. O. Smith. No. 1,236,117; Aug. 7; v. 241; p. 189.
- Bell support, Smoke-. M. A. Kaminetsky. No. 1,211,317; Jan. 2; v. 234; p. 323.
- Bell, Vibratory. A. Bagutti. No. 1,244,013; Oct. 23; v. 243; p. 906.
- Bellows for pneumatic leaf-turners. J. C. Holcom. No. 1,216,693; Feb. 20; v. 235; p. 866.
- Belt. A. H. Fleming. No. 1,225,947; May 15; v. 238; p. 725.
- Belt. G. W. Gilmer, Jr. No. 1,216,437; Feb. 20; v. 235; p. 779.
- Belt. U. H. Hill. No. 1,234,165; July 24; v. 240; p. 966.
- Belt. E. A. Kann. No. 1,247,688; Nov. 27; v. 244; p. 850.
- Belt. G. King. No. 1,222,302; Apr. 10; v. 237; p. 486.
- Belt. C. Minnich, J. J. and H. B. Mathews. No. 1,225,843; May 15; v. 238; p. 689.
- Belt. F. A. Patten. No. 1,224,203; May 1; v. 238; p. 31.
- Belt. A. Koznišek. No. 1,222,800; Apr. 17; v. 237; p. 703.
- Belt. A. B. Sistek. No. 1,245,995; Nov. 6; v. 244; p. 254.
- Belt. A. A. Turnage. No. 1,246,684; Nov. 13; v. 244; p. 491.
- Belt, Abdominal. F. G. Baugatz. No. 1,230,650; June 19; v. 239; p. 847.
- Belt and bandage, Sanitary. J. C. Allen. No. 1,245,655; Nov. 6; v. 244; p. 156.
- Belt and making the same. O. J. Lear. No. 1,228,792; June 5; v. 239; p. 142.
- Belt and trousers-supporter. T. F. Hayes. No. 1,239,439; Sept. 4; v. 242; p. 229.
- Belt-clasp. A. Buren. No. 1,236,261; Aug. 7; v. 241; p. 235.
- Belt-clamp. W. H. Cobb. No. 1,235,656; Aug. 7; v. 241; p. 41.
- Belt-clamp. L. E. De Camp. No. 1,216,959; Feb. 20; v. 235; p. 956.
- Belt-clamp. W. J. Grinden. No. 1,231,521; June 26; v. 239; p. 1175.
- Belt-clasp. W. E. Rounseville. No. 1,237,389; Aug. 21; v. 241; p. 669.
- Belt cleaner, Conveyor-. C. A. Winters. No. 1,239,066; Sept. 4; v. 242; p. 110.
- Belt, Conveyor-. G. F. Lucore. No. 1,212,651; Jan. 16; v. 234; p. 852.
- Belt conveyor. F. C. Thornley. No. 1,251,135; Dec. 25; v. 245; p. 911.
- Belt-coupling. A. W. Jones. No. 1,248,128; Nov. 27; v. 244; p. 975.
- Belt-cutting tool. T. J. Hayes. No. 1,231,021; June 26; v. 239; p. 1010.
- Belt-dressing. P. H. Crawford. No. 1,242,424; Oct. 9; v. 243; p. 344.
- Belt-dressing. E. B. Stack. No. 1,211,638; Jan. 9; v. 234; p. 465.
- Belt, Driving-. G. Davison. No. 1,223,769; Apr. 24; v. 237; p. 1071.
- Belt, Driving-. A. H. and G. Griffin. No. 1,228,429; June 5; v. 239; p. 19.
- Belt, Driving-. A. H. and G. Griffin. No. 1,229,441; June 12; v. 239; p. 408.
- Belt, Driving-. T. Osaki. No. 1,249,661; Dec. 11; v. 245; p. 386.
- Belt, Driving-. M. Stone. No. 1,220,795; Mar. 27; v. 236; p. 1116.
- Belt, Electric. V. Sence. No. 1,211,492; Jan. 9; v. 234; p. 415.
- Belt, Endless-web. W. Achtmeyer. No. 1,225,554; May 8; v. 238; p. 549.
- Belt-fastener. O. C. Brooks. No. 1,250,958; Dec. 25; v. 245; p. 860.
- Belt-fastener. C. Bryant. No. 1,225,572; May 8; v. 238; p. 556.
- Belt-fastener. W. P. Davis. No. 1,229,903; June 12; v. 239; p. 564.
- Belt-fastener. M. E. Gross and J. L. Howland. No. 1,245,099; Oct. 30; v. 243; p. 1270.
- Belt-fastener. G. B. Kinsler. No. 1,249,419; Dec. 11; v. 245; p. 316.
- Belt-fastener. J. Millar. No. 1,250,611; Dec. 18; v. 245; p. 706.
- Belt-fastener. H. Petersen. No. 1,224,498; May 1; v. 238; p. 137.
- Belt-fastener. L. S. Sawyer. No. 1,223,116; Apr. 17; v. 237; p. 811.
- Belt-fastener. M. S. Stone. No. 1,232,731; July 10; v. 240; p. 430.
- Belt-fastener. W. O. Talcott. No. 1,212,712; Jan. 16; v. 234; p. 875.
- Belt-fastener. W. O. Talcott. No. 1,218,227; Mar. 6; v. 236; p. 119.
- Belt-fastener. F. S. Voss. No. 1,246,194; Nov. 13; v. 244; p. 344.
- Belt-fastener for machinery and the like. C. E. Queen. No. 1,248,709; Dec. 4; v. 245; p. 84.
- Belt-fastening. G. E. Purple. No. 1,212,258; Jan. 16; v. 234; p. 712.
- Belt for speed-varying devices. T. P. Chisholm. No. 1,238,494; Aug. 28; v. 241; p. 1057.
- Belt for trusses and the like. W. T. Bobo. No. 1,247,925; Nov. 27; v. 244; p. 919.
- Belt-gluing device. H. A. Blanchard. No. 1,224,837; May 1; v. 238; p. 256.
- Belt-guard. H. L. Boesiger. No. 1,228,875; June 5; v. 239; p. 171.
- Belt-guide. E. R. Brown. No. 1,240,537; Sept. 18; v. 242; p. 641.
- Belt guide and shifter. W. R. Klier. No. 1,211,716; Jan. 9; v. 234; p. 490.
- Belt guides and shifters, Attachment for. W. R. Klier. No. 1,224,553; May 1; v. 238; p. 157.
- Belt, Hog-beater. S. Wenzel. No. 1,213,717; Jan. 23; v. 234; p. 1254.
- Belt-hole guard. G. P. Erhard. No. 1,233,267; July 10; v. 240; p. 602.
- Belt hook or staple. J. K. Diamond. No. 1,227,253; May 22; v. 238; p. 1205.
- Belt-hooks, Mount for. A. Vanderveld. No. 1,220,298; Mar. 27; v. 236; p. 945.
- Belt-loops, Forming. J. R. Moffatt. No. 1,240,754; Sept. 18; v. 242; p. 707.
- Belt or garment supporter or holder. A. Schrama. No. 1,223,739; Apr. 24; v. 237; p. 1061.
- Belt, Power-transmission. M. D. Campbell. No. 1,228,528; June 5; v. 239; p. 53.
- Belt, Power-transmission. S. Nikoloff. No. 1,223,513; Apr. 24; v. 237; p. 981.
- Belt, Power-transmission. C. W. Stricker. No. 1,224,230; May 1; v. 238; p. 41.
- Belt-punching tool. T. J. Hayes. No. 1,231,020; June 26; v. 239; p. 1010.
- Belt-replacing device. A. P. Fay. No. 1,250,571; Dec. 18; v. 245; p. 695.
- Belt, Self-adjusting driving-. E. J. and J. R. Richardson. No. 1,215,196; Feb. 6; v. 235; p. 249.
- Belt-shifter. W. Oesterlein. No. 1,224,954; May 8; v. 238; p. 346.
- Belt-shifter. E. F. Parks. No. 1,218,207; Mar. 6; v. 236; p. 111.
- Belt-shifter mechanism. W. Osterlein. No. 1,210,830; Jan. 2; v. 234; p. 155.
- Belt-shifting device. E. R. Kresse. No. 1,222,216; Apr. 10; v. 237; p. 456.
- Belt-shifting device. G. A. Sexton. No. 1,241,036; Sept. 25; v. 242; p. 828.
- Belt-shifting mechanism. D. T. Sharples. No. 1,223,430; Apr. 24; v. 237; p. 957.
- Belt-staples, Tool for handling. A. Vanderveld. No. 1,238,965; Sept. 4; v. 242; p. 79.
- Belt-stapling machine. A. Vanderveld. No. 1,238,964; Sept. 4; v. 242; p. 78.
- Belt stretching and lacing device. P. O. Christianson. No. 1,217,276; Feb. 27; v. 235; p. 1109.
- Belt-tensioning means for driving mechanism, Automatic. J. W. Fitzgerald. No. 1,242,166; Oct. 9; v. 243; p. 262.
- Belt thrower and guider. H. K. Hallderson. No. 1,217,304; Feb. 27; v. 235; p. 1119.
- Belt-tightener. R. J. Blough. No. 1,220,065; Mar. 20; v. 236; p. 825.
- Belt-tightener. C. W. Hubbard. No. 1,219,313; Mar. 13; v. 236; p. 532.
- Belt-tightener. E. D. Mackintosh. No. 1,220,656; Mar. 27; v. 236; p. 1070.
- Belt tightener and spreader. J. Kaplan. No. 1,227,541; May 22; v. 238; p. 1298.
- Belt, Traction-. C. F. Nelson. No. 1,235,915; Aug. 7; v. 241; p. 127.
- Belt, Traction-. D. Nelson. No. 1,230,504; June 19; v. 239; p. 798.
- Belt, Tractor-. H. McGuckin. No. 1,245,001; Oct. 30; v. 243; p. 1241.
- Belt-wheel. H. Wood. No. 1,244,396; Oct. 23; v. 243; p. 1020.
- Belt, Woven-fabric endless. A. G. Reed. No. 1,219,151; Mar. 13; v. 236; p. 477.
- Belts, Anchor for window-washer's. G. F. Minnis. No. 1,250,202; Dec. 18; v. 245; p. 584.
- Belts and conveying-bands, Impregnating woven. H. W. Andersen. No. 1,218,350; Mar. 6; v. 236; p. 161.
- Belts and punching their ends, Implement for cutting. C. J. Webre. No. 1,211,987; Jan. 9; v. 234; p. 590.

- Belts, Making conveyer-. R. B. Price. No. 1,211,350; Jan. 2; v. 234; p. 333.
- Belts, Treating the fabric for power-transmission. E. L. Burrell. No. 1,218,052; Mar. 6; v. 236; p. 58.
- Belting and making the same. W. H. Bradshaw. No. 1,235,425; July 31; v. 240; p. 1392.
- Belting, Leather link and leather laminated. D. K. Tullis. No. 1,250,247; Dec. 18; v. 245; p. 597.
- Belting or webbing. F. W. Alexander. No. 1,220,927; Mar. 27; v. 236; p. 1160.
- Belting web, Apparatus for making an elastic body-. J. Jacobs. No. 1,242,698; Oct. 9; v. 243; p. 432.
- Bench: See—
- Composite bench. Pipe-bench.
- Knockdown bench. Vertical bench.
- Jeweler's work-bench. Washbench.
- Piano-bench. Work-bench.
- Bench-block. O. A. Anderson. No. 1,236,134; Aug. 7; v. 241; p. 194.
- Bending and piercing fiber strips or similar material, Machine for. C. Englert. No. 1,218,249; Mar. 6; v. 236; p. 127.
- Bending-machine. G. T. Bond. No. 1,240,534; Sept. 18; v. 242; p. 640.
- Bending-tool. J. F. Scribner. No. 1,247,729; Nov. 27; v. 244; p. 863.
- Benzene disulfonic acid from sulfuric acid and converting the benzene disulfonic acid into a salt, Separating. L. M. Dennis. No. 1,227,252; May 22; v. 238; p. 1205.
- Benzene sulfonic acid from sulfuric acid and converting the benzene sulfonic acid into a salt, Separating. L. M. Dennis. No. 1,212,612; Jan. 16; v. 234; p. 837.
- Benzyl chloride, Producing. J. B. Conant. No. 1,233,986; July 17; v. 240; p. 873.
- Berry-box. C. H. Long. No. 1,217,029; Feb. 20; v. 235; p. 981.
- Berry-box, Folding. C. H. Proctor. No. 1,223,202; Apr. 17; v. 237; p. 841.
- Berth construction. E. Hanson. No. 1,250,307; Dec. 18; v. 245; p. 615.
- Berth for ships, Swinging. J. Rastija. No. 1,245,769; Nov. 6; v. 244; p. 189.
- Berth for sleeping-cars. P. J. O'Callaghan. No. 1,224,660; May 1; v. 238; p. 194.
- Berth, Sleeping-car. P. R. Odell. No. 1,233,113; July 10; v. 240; p. 553.
- Betain from vinasses, Manufacture of. O. Bergami and C. Saemann. No. 1,219,226; Mar. 13; v. 236; p. 502.
- Bevel-gear generator. G. D. Sundstrand. No. 1,244,659; Oct. 30; v. 243; p. 1138.
- Bevel-gear puller. W. E. Connerton. No. 1,227,583; May 29; v. 238; p. 1341.
- Beverage. D. Cozzolino. No. 1,250,095; Dec. 11; v. 245; p. 513.
- Beverage and making same. J. Ashus. No. 1,226,439; May 15; v. 238; p. 893.
- Beverage and making same. J. G. Dietrich. No. 1,249,044; Dec. 4; v. 245; p. 178.
- Beverage and making same, Carbonated. C. G. Kummerlander. No. 1,218,190; Mar. 6; v. 236; p. 105.
- Beverage and making the same, Non-intoxicating fermented. C. A. Nowak. No. 1,243,440; Oct. 16; v. 243; p. 695.
- Beverage and preparing same, Unfermented malt. W. A. Steinemann. No. 1,237,724; Aug. 21; v. 241; p. 777.
- Beverage and producing the same, Maltless non-alcoholic. R. Wahl. No. 1,249,259; Dec. 4; v. 245; p. 240.
- Beverage and water cooler and dispenser, Combined. A. H. Spellmeyer. No. 1,238,842; Sept. 4; v. 242; p. 39.
- Beverage-dispensing apparatus. J. J. Edmundson. No. 1,246,804; Nov. 13; v. 244; p. 527.
- Beverage, Making a non-alcoholic. A. L. Straus. No. 1,223,121; Apr. 17; v. 237; p. 813.
- Beverage, Making a non-alcoholic. A. L. Straus. (Reissue.) No. 1,4391; Nov. 6; v. 244; p. 266.
- Beverage-mixing device. W. H. Howard and B. E. Taylor. No. 1,249,403; Dec. 11; v. 245; p. 312.
- Beverage, Preparing a non-alcoholic chill-proof. J. Beerhalter. No. 1,240,016; Sept. 11; v. 242; p. 441.
- Beverages, Composition of. N. Rosewater. No. 1,229,656; June 12; v. 239; p. 482.
- Beverages, Extract for carbonated. L. Stein. No. 1,237,723; Aug. 21; v. 241; p. 777.
- Beverages, Means for dispensing. P. J. Hentschel. No. 1,247,678; Nov. 27; v. 244; p. 847.
- Beverages, Method and apparatus for producing dealcoholized fermented. G. Ciapetti. No. 1,243,811; Oct. 23; v. 243; p. 844.
- Beverages, Preparing. G. Defren. No. 1,214,518; Feb. 6; v. 235; p. 12.
- Beverages, Preparing. G. Defren. No. 1,235,881; Aug. 7; v. 241; p. 115.
- Beverages, Producing. M. and L. Wallerstein. No. 1,214,729; Feb. 6; v. 235; p. 87.
- Beverages, Producing carbonated. D. Humphrey. No. 1,243,068; Oct. 16; v. 243; p. 585.
- Beverages, Treating fermented. J. Schneible. No. 1,238,577; Aug. 28; v. 241; p. 1085.
- Bicarbonate of an alkali or alkaline-earth metal, Producing the. J. E. Bucher. No. 1,221,506; Apr. 3; v. 237; p. 178.
- Bicycle. M. Ritter. No. 1,220,560; Mar. 27; v. 236; p. 1037.
- Bicycle. J. B. Whittaker. No. 1,250,740; Dec. 18; v. 245; p. 745.
- Bicycle attachment. G. F. Cook. No. 1,227,390; May 22; v. 238; p. 1248.
- Bicycle attachment. G. E. Eckel. No. 1,211,303; Jan. 2; v. 234; p. 318.
- Bicycle-bell ringer. J. Alukonis. No. 1,213,058; Jan. 16; v. 234; p. 992.
- Bicycle-carrier. C. H. Cooper. No. 1,223,258; Apr. 17; v. 237; p. 857.
- Bicycle-crank hanger. F. M. Jones. No. 1,235,530; July 31; v. 240; p. 1426.
- Bicycle, Floating. P. Kraemer. No. 1,224,653; May 1; v. 238; p. 191.
- Bicycle-frame. M. F. Hardnett. No. 1,222,398; Apr. 10; v. 237; p. 521.
- Bicycle-gearing. A. M. Bonvicin. No. 1,217,691; Feb. 27; v. 235; p. 1257.
- Bicycle-gearing. F. V. Whitman. No. 1,225,544; May 8; v. 238; p. 546.
- Bicycle-lock. L. P. Conway. No. 1,216,660; Feb. 20; v. 235; p. 856.
- Bicycle-lock. E. R. Fell. No. 1,218,540; Mar. 6; v. 236; p. 224.
- Bicycle-lock. J. Taralle. No. 1,218,336; Mar. 6; v. 236; p. 157.
- Bicycle mud-guard. K. A. Fialkowski. No. 1,226,323; May 15; v. 238; p. 856.
- Bicycle or motor-cycle frames, Truss for. T. F. Bowker. No. 1,221,823; Apr. 10; v. 237; p. 318.
- Bicycle-rack. J. I. Colen. No. 1,232,501; July 10; v. 240; p. 355.
- Bicycle-saddle-spring support. J. C. Walker. No. 1,229,353; June 12; v. 239; p. 379.
- Bicycle-skate. B. F. Bowen. No. 1,241,607; Oct. 2; v. 243; p. 45.
- Bicycle-stand lock. W. J. Doyle. No. 1,218,843; Mar. 13; v. 236; p. 372.
- Bicycle-stands, Watch-trip for. W. Monahan. No. 1,237,541; Aug. 21; v. 241; p. 717.
- Bicycles and the like, Mud-guard for. A. B. Chapman. No. 1,241,091; Sept. 25; v. 242; p. 845.
- Bicycle-support. I. L. Bancalari. No. 1,233,300; July 17; v. 240; p. 648.
- Bifocal. L. W. Bugbee. No. 1,221,967; Apr. 10; v. 237; p. 369.
- Bilge-water alarm. C. R. Ford. No. 1,216,678; Feb. 20; v. 235; p. 861.
- Bill-board and the like. C. H. Taylor and C. F. Melville. No. 1,216,012; Feb. 13; v. 235; p. 575.
- Bill-delivery apparatus. N. Kolár. No. 1,251,386; Dec. 25; v. 245; p. 985.
- Bill-fold. F. M. Blanchard. No. 1,230,100; June 19; v. 239; p. 664.
- Bill-fold and card-case. H. Bock. No. 1,211,533; Jan. 9; v. 234; p. 430.
- Bill-head, Self sealing and addressing. E. F. Andres. No. 1,244,161; Oct. 23; v. 243; p. 949.
- Bill-holder. J. J. Gilchrist. No. 1,245,455; Nov. 6; v. 244; p. 94.
- Bill-holder. S. J. Stone. No. 1,227,339; May 22; v. 238; p. 1232.
- Bill-payment form. H. F. Price. No. 1,240,255; Sept. 18; v. 242; p. 553.
- Bill-posting blanking device. P. Gallia. No. 1,247,390; Nov. 20; v. 244; p. 731.
- Billiard-chalk, Suspension device for. F. C. Hobbs. No. 1,217,941; Mar. 6; v. 236; p. 19.
- Billiard-cue. A. D. Du Bose. No. 1,248,634; Dec. 4; v. 245; p. 62.
- Billiard-cue. J. H. Goodell. No. 1,240,336; Sept. 18; v. 242; p. 578.
- Billiard-cue tip. J. J. Connell. No. 1,230,122; June 19; v. 239; p. 672.
- Billiard-cue-tip fastening. D. J. Sullivan. No. 1,221,107; Apr. 3; v. 237; p. 36.
- Billiard-cues, Device for trimming the tips of. C. C. Abbott. No. 1,227,025; May 22; v. 238; p. 1128.
- Billiard-cues, Manufacture of. O. Carlson and H. Pick. No. 1,241,194; Sept. 25; v. 242; p. 877.
- Billiard-cues, Powder-dispenser for. W. A. McKinnon. No. 1,224,944; May 8; v. 238; p. 344.
- Billiard rack and operating mechanism therefor, Pocket. G. G. Kitzeman. No. 1,246,436; Nov. 13; v. 244; p. 418.
- Billiard-table. E. A. Kemp. No. 1,220,236; Mar. 27; v. 236; p. 921.
- Billiard-table construction. F. P. Grode. No. 1,243,161; Oct. 16; v. 243; p. 611.
- Billiard-table cushion. E. Ringsmith. No. 1,213,950; Jan. 30; v. 234; p. 1364.
- Billiard-table gully, Pocket. T. R. Treiber. No. 1,237,419; Aug. 21; v. 241; p. 678.
- Billiard table, Pocket. M. A. Andrews. No. 1,230,059; June 12; v. 239; p. 611.
- Billiard-table, Ship's. J. F. Booth. No. 1,248,797; Dec. 4; v. 245; p. 110.
- Billiard-tables, Automatic ball-racking device for. J. R. Russell. No. 1,227,833; May 29; v. 238; p. 1428.
- Billiard tables, Game attachment for pocket. A. and G. Debelack. No. 1,215,624; Feb. 13; v. 235; p. 437.

Alphabetical list of inventions—Continued.

- Bimetallic articles, Making composite. W. H. Miller. No. 1,250,612; Dec. 18; v. 245; p. 707.
- Bin: See—
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| Counter-bin. | Metal bin. |
| Dispensing-bin. | Sanitary bin. |
| Flour-bin. | Scoop-out bin. |
| Grain-bin. | Storage-bin. |
- Bin. J. C. Adams. No. 1,219,367; Mar. 13; v. 236; p. 551.
- Bin. J. N. Hipschen. No. 1,234,900; July 31; v. 240; p. 1234.
- Bin. J. M. Waddell. No. 1,246,364; Nov. 13; v. 244; p. 396.
- Binder. H. S. Brenan. No. 1,214,270; Jan. 30; v. 234; p. 1474.
- Binder. A. Dom. No. 1,241,610; Oct. 2; v. 243; p. 47.
- Binder. G. H. Jenkins and S. A. Hyers. No. 1,215,161; Feb. 6; v. 235; p. 236.
- Binder. C. E. Morehouse. No. 1,250,203; Dec. 18; v. 245; p. 584.
- Binder. C. E. Morehouse. No. 1,250,204; Dec. 18; v. 245; p. 585.
- Binder. G. W. Phelps. No. 1,223,103; Apr. 17; v. 237; p. 807.
- Binder. P. Tomanek. No. 1,212,425; Jan. 16; v. 234; p. 771.
- Binder. C. B. Williams. No. 1,215,602; Feb. 13; v. 235; p. 429.
- Binder. L. H. Woddrop. No. 1,221,259; Apr. 3; v. 237; p. 91.
- Binder and holder, Loose-leaf. B. F. Davis. No. 1,233,990; July 17; v. 240; p. 874.
- Binder and transfer device. G. H. Jenkins and M. N. Murphy. No. 1,218,262; Mar. 6; v. 236; p. 132.
- Binder attachment. C. S. Harmsen. No. 1,232,681; July 10; v. 240; p. 412.
- Binder construction, Loose-leaf. E. F. Hill. No. 1,224,464; May 1; v. 238; p. 126.
- Binder device, Loose-leaf. W. B. Cain. No. 1,211,672; Jan. 9; v. 234; p. 477.
- Binder for cards, papers, &c. J. B. Wood. No. 1,238,472; Aug. 28; v. 241; p. 1050.
- Binder, Leaf. E. Richards. No. 1,250,016; Dec. 11; v. 245; p. 489.
- Binder, Leaf. F. J. Strobel. No. 1,225,886; May 15; v. 238; p. 704.
- Binder-locking mechanism. C. R. Raney. No. 1,242,240; Oct. 9; v. 243; p. 285.
- Binder, Loose-leaf. C. H. Bissell and F. W. Clary. No. 1,227,740; May 29; v. 238; p. 1396.
- Binder, Loose-leaf. B. D. Brink. No. 1,249,015; Dec. 4; v. 245; p. 170.
- Binder, Loose-leaf. C. M. Cott. No. 1,229,891; June 12; v. 239; p. 559.
- Binder, Loose-leaf. B. E. Cummings. No. 1,215,496; Feb. 13; v. 235; p. 388.
- Binder, Loose-leaf. J. O. Deckert. No. 1,213,757; Jan. 23; v. 234; p. 1266.
- Binder, Loose-leaf. F. W. Dusten. No. 1,249,929; Dec. 11; v. 245; p. 466.
- Binder, Loose-leaf. T. E. Heeter. No. 1,236,560; Aug. 14; v. 241; p. 364.
- Binder, Loose-leaf. E. W. Hill. No. 1,224,465; May 1; v. 238; p. 127.
- Binder, Loose-leaf. W. G. Jones. No. 1,241,220; Sept. 25; v. 242; p. 885.
- Binder, Loose-leaf. A. Landsberg and H. Rubin. No. 1,238,410; Aug. 28; v. 241; p. 1030.
- Binder, Loose-leaf. O. C. Mantufel. No. 1,221,466; Apr. 3; v. 237; p. 163.
- Binder, Loose-leaf. J. O. McLaughlin. No. 1,243,319; Oct. 16; v. 243; p. 660.
- Binder, Loose-leaf. J. C. Merwin. No. 1,233,897; July 17; v. 240; p. 844.
- Binder, Loose-leaf. H. C. Miller. No. 1,236,466; Aug. 14; v. 241; p. 332.
- Binder, Loose-leaf. H. C. Miller. No. 1,240,356; Sept. 18; v. 242; p. 584.
- Binder, Loose-leaf. H. C. Miller. No. 1,242,018; Oct. 2; v. 243; p. 175.
- Binder, Loose-leaf. H. C. Miller. No. 1,247,704; Nov. 27; v. 244; p. 855.
- Binder, Loose-leaf. J. B. Moody. No. 1,244,756; Oct. 30; v. 243; p. 1167.
- Binder, Loose-leaf. W. S. Proudft. No. 1,222,668; Apr. 17; v. 237; p. 658.
- Binder, Loose-leaf. W. S. Proudft. No. 1,224,664; May 1; v. 238; p. 196.
- Binder, Loose-leaf. W. S. Proudft, W. H. Edwards, and A. F. Winters. No. 1,249,666; Dec. 11; v. 245; p. 388.
- Binder, Loose-leaf. J. Schade, Jr. No. 1,212,565; Jan. 16; v. 234; p. 821.
- Binder, Loose-leaf. I. Spinner and G. E. Perry. No. 1,227,685; May 29; v. 238; p. 1376.
- Binder, Loose-leaf. C. D. Trussell. No. 1,238,846; Sept. 4; v. 242; p. 40.
- Binder, Loose-leaf. I. Wolf. No. 1,216,532; Feb. 20; v. 235; p. 811.
- Binder or loose-sheet holder, Temporary. G. P. Wigginton. No. 1,218,733; Mar. 13; v. 236; p. 331.
- Binder or loose-sheet holder, Temporary. G. P. Wigginton. No. 1,218,734; Mar. 13; v. 236; p. 332.
- Binder or loose-sheet holder, Temporary. G. P. Wigginton. No. 1,222,705; Apr. 17; v. 237; p. 671.
- Binder post, Loose-leaf. E. J. Oyston. No. 1,241,008; Sept. 25; v. 242; p. 820.
- Binder-ring. S. Amoroso. No. 1,228,866; June 5; v. 239; p. 168.
- Binder, Row. E. J. Gruben. No. 1,239,685; Sept. 11; v. 242; p. 337.
- Binder, Sheet-music and loose-leaf. H. B. Waters. No. 1,222,500; Apr. 10; v. 237; p. 557.
- Binder, Shock. J. W. Strait. No. 1,250,046; Dec. 11; v. 245; p. 498.
- Binder-spring and picker-check, Combined. C. E. Field. No. 1,232,262; July 3; v. 240; p. 243.
- Binder, Temporary. E. B. Arnold. No. 1,221,953; Apr. 10; v. 237; p. 365.
- Binder, Temporary. W. E. and H. J. Gaylord. No. 1,219,721; Mar. 20; v. 236; p. 704.
- Binder, Temporary. F. Harcourt. No. 1,228,432; June 5; v. 239; p. 20.
- Binder, Temporary. M. A. Judd. No. 1,235,900; Aug. 7; v. 241; p. 122.
- Binder, Temporary. J. R. Turner. No. 1,220,294; Mar. 27; v. 236; p. 944.
- Binder, Temporary. G. P. Wigginton. No. 1,227,717; May 29; v. 238; p. 1387.
- Binder, Temporary. G. P. Wigginton. No. 1,227,718; May 29; v. 238; p. 1388.
- Binder, Temporary. G. P. Wigginton. No. 1,231,317; June 26; v. 239; p. 1109.
- Binder, Temporary. G. P. Wigginton. No. 1,241,801; Oct. 2; v. 243; p. 105.
- Binder, Temporary. G. P. Wigginton. No. 1,241,802; Oct. 2; v. 243; p. 106.
- Binder, Temporary. G. P. Wigginton. No. 1,247,047; Nov. 20; v. 244; p. 632.
- Binder, Tray. C. R. Fargo. No. 1,250,293; Dec. 18; v. 245; p. 611.
- Binder, Tray loose-leaf. C. R. Fargo. No. 1,223,160; Apr. 17; v. 237; p. 827.
- Binder, Tray loose-leaf. C. R. Fargo. No. 1,247,945; Nov. 27; v. 244; p. 925.
- Binders, Bundle-holder for. J. S. G. Hofer. No. 1,235,977; Aug. 7; v. 241; p. 147.
- Binders, Canvas platform for. W. Brugmann. No. 1,212,011; Jan. 9; v. 234; p. 596.
- Binders, Holder for loose-leaf. F. H. Crump. No. 1,229,894; June 12; v. 239; p. 560.
- Binders, Motor-driving attachment for. T. G. Mabley. No. 1,214,564; Feb. 6; v. 235; p. 28.
- Binding and cohering composition. R. F. Tompkins. No. 1,247,595; Nov. 20; v. 244; p. 789.
- Binding and wrapping machine. A. J. Hadert. No. 1,235,313; July 31; v. 240; p. 1360.
- Binding device. F. C. Harriman. No. 1,213,479; Jan. 23; v. 234; p. 1173.
- Binding material and preparing same. W. Mathesius. No. 1,233,384; July 17; v. 240; p. 677.
- Binding mechanism. B. R. Benjamin. No. 1,247,069; Nov. 20; v. 244; p. 639.
- Binding mechanism. C. R. Raney. No. 1,226,376; May 15; v. 238; p. 873.
- Binding-post. F. W. Cole. No. 1,210,764; Jan. 2; v. 234; p. 133.
- Binding-post. W. Kaisling. No. 1,219,003; Mar. 13; v. 236; p. 427.
- Binding-post. H. E. Phillips. No. 1,249,481; Dec. 11; v. 245; p. 335.
- Binding-post. E. F. Weston. No. 1,234,840; July 31; v. 240; p. 1213.
- Binding-posts, Spring-terminal for. C. H. Smith. No. 1,245,628; Nov. 6; v. 244; p. 148.
- Binnacle, Compensating. A. Lietz. No. 1,241,132; Sept. 25; v. 242; p. 857.
- Binocular-magnifier. C. J. Troppman. No. 1,240,905; Sept. 25; v. 242; p. 788.
- Bird-bath. J. C. Kraus. No. 1,224,305; May 1; v. 238; p. 68.
- Bird bath-house. W. Mack. No. 1,227,471; May 22; v. 238; p. 1274.
- Bird-cage. P. Reber. No. 1,224,415; May 1; v. 238; p. 109.
- Bird-cage, Knockdown. T. R. Maxwell. No. 1,227,814; May 29; v. 238; p. 1421.
- Bird-food-holding device. B. S. Bowdish. No. 1,221,019; Apr. 3; v. 237; p. 6.
- Bird-house. E. H. Reiber. No. 1,230,780; June 19; v. 239; p. 890.
- Bird-trap. W. J. Moyle. No. 1,215,048; Feb. 6; v. 235; p. 200.
- Biscuit-cutting machine. T. J. and E. L. Vicars. No. 1,231,817; July 3; v. 240; p. 95.
- Bisulfite liquor, Apparatus for making. G. A. Stebbins. No. 1,224,578; May 1; v. 238; p. 166.
- Bit: See—
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| Auger-bit. | Rotary bit. |
| Bridle-bit. | Taper bit. |
| Drill-bit. | Underreaming-bit. |
| Drilling-bit. | Washer-cutting bit. |
| Extension-bit. | Weaning-bit. |
| Holing-bit. | Well-drilling bit. |
| Roller-bit. | |
- Bit. A. J. Calhoun. No. 1,218,053; Mar. 6; v. 236; p. 58.

- Bit. J. J. Teasck. No. 1,216,628; Feb. 20; v. 235; p. 846.
- Bit and rotary underreamer, Combination. L. S. Campbell and J. Grant. (Reissue.) No. 14,301; May 15; v. 238; p. 950.
- Bit-brace. S. N. Hall. No. 1,212,481; Jan. 16; v. 234; p. 790.
- Bit-brace. S. N. Hall and C. M. Petersen. No. 1,212,480; Jan. 16; v. 234; p. 789.
- Bit-brace extension. H. E. Parker. No. 1,241,143; Sept. 25; v. 242; p. 861.
- Bitumen product. H. B. Pullar. No. 1,248,909; Dec. 4; v. 245; p. 141.
- Bituminous grouting. E. J. Lovegrove and N. G. Crompton. No. 1,237,921; Aug. 21; v. 241; p. 837.
- Bituminous materials, Heating apparatus for. A. J. Aitken. No. 1,234,091; July 17; v. 240; p. 905.
- Blackboard. L. L. Gribble. No. 1,237,636; Aug. 21; v. 241; p. 747.
- Blackboard, Self-cleaning. J. D. Sartakoff. No. 1,227,205; May 22; v. 238; p. 1189.
- Blackboards, &c., Composition of matter for cleaning or polishing. J. N. and M. L. Bachman. No. 1,223,846; Apr. 24; v. 237; p. 1098.
- Blacking-dauber. W. I. Young. No. 1,226,432; May 15; v. 238; p. 891.
- Blackening-machine. F. M. Furber. No. 1,216,304; Feb. 20; v. 235; p. 731.
- Blackening-machine or the like. F. M. Furber. No. 1,248,642; Dec. 4; v. 245; p. 64.
- Blackening stand, Shoe-. E. J. Reilly. No. 1,242,043; Oct. 2; v. 243; p. 182.
- Blackleading-machine. B. S. Redd. No. 1,233,400; July 17; v. 240; p. 683.
- Blade-adjusting mechanism, Folding-. H. A. W. Wood and J. A. Isbell. No. 1,213,325; Jan. 23; v. 234; p. 1120.
- Blade-holder. W. H. Harriss. No. 1,245,908; Nov. 6; v. 244; p. 232.
- Blading construction for turbo-compressor impellers. O. Banner. No. 1,217,386; Feb. 27; v. 235; p. 1148.
- Blank-bending machine. J. D. Reifsnnyder. No. 1,211,757; Jan. 9; v. 234; p. 505.
- Blank-feeding mechanism. W. Cameron. No. 1,242,520; Oct. 9; v. 243; p. 373.
- Blank-feeding mechanism. G. W. Drake. No. 1,218,987; Mar. 13; v. 236; p. 422.
- Blank-feeding mechanism. H. C. Harvey. No. 1,244,086; Oct. 23; v. 243; p. 927.
- Blank-feeding mechanism. E. E. Lane. No. 1,247,846; Nov. 27; v. 244; p. 898.
- Blank-feeding mechanisms, Pneumatically-controlled blank-tripping mechanism for. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,244,537; Oct. 30; v. 243; p. 1100.
- Blank-fitting machine. E. E. Lane. No. 1,235,984; Aug. 7; v. 241; p. 149.
- Blank-gumming machines, Automatic blank-feeding mechanism for. M. Peters, G. H. Fath, and A. F. Miller. No. 1,235,501; July 31; v. 240; p. 1415.
- Blank-gumming machines, Automatically-operating blank or label feeding mechanism for. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,235,500; July 31; v. 240; p. 1414.
- Blank receiving and delivering table. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,229,513; June 12; v. 239; p. 433.
- Blank-transferring mechanism, Pneumatic. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,235,499; July 31; v. 240; p. 1414.
- Blank-treating machines, Feed mechanism for. L. E. La Bombard and M. H. Sidebotham. No. 1,238,790; Sept. 4; v. 242; p. 21.
- Blanks of ceramic material, Apparatus for forming. B. A. Jeffery. No. 1,226,668; May 22; v. 238; p. 1005.
- Blanks, Making. F. B. Bell. No. 1,242,127; Oct. 9; v. 243; p. 250.
- Blanker. M. T. Price. No. 1,218,697; Mar. 13; v. 236; p. 318.
- Blanket. H. C. Whitman. No. 1,249,266; Dec. 4; v. 245; p. 242.
- Blanket, Horse-. A. J. Hanisch. No. 1,239,478; Sept. 11; v. 242; p. 270.
- Blanket, Lamb-. H. Sayles. No. 1,218,004; Mar. 6; v. 236; p. 41.
- Blast-furnace. G. L. Collord. No. 1,234,630; July 24; v. 240; p. 1116.
- Blast-gate, Frictionally-held. W. S. Rockwell. No. 1,211,371; Jan. 2; v. 234; p. 339.
- Blast-heater. W. W. Kemp and W. H. Van Horn. No. 1,244,863; Oct. 30; v. 243; p. 1199.
- Blasting-box, Miner's. J. S. Beeneck. No. 1,217,902; Mar. 6; v. 236; p. 6.
- Blasting-cap protector, Electric-. F. Alexander. No. 1,218,504; Mar. 6; v. 236; p. 212.
- Blasting charges in which liquid air is used, Producing. A. Kowatch. No. 1,219,645; Mar. 20; v. 236; p. 678.
- Blasting device. E. Hutton. No. 1,241,386; Sept. 25; v. 242; p. 938.
- Blasting system, Subaqueous-. C. H. Allison. No. 1,239,247; Sept. 4; v. 242; p. 170.
- Bleaching textile fibers. A. Schaidhauf. No. 1,235,929; Aug. 7; v. 241; p. 131.
- Bleeding apparatus, Animal-. G. H. Roberts. No. 1,226,598; May 15; v. 238; p. 942.
- Blind-buffer. A. T. Hotchkiss. No. 1,239,393; Sept. 4; v. 242; p. 215.
- Blind-fastener. C. A. Petersen. No. 1,237,089; Aug. 14; v. 241; p. 535.
- Blind-opener and latch control. E. S. Jones. No. 1,220,144; Mar. 20; v. 236; p. 856.
- Blind or shutter fastener. S. C. Evans. No. 1,218,068; Mar. 6; v. 236; p. 63.
- Blind, Venetian. J. Plate. No. 1,215,985; Feb. 13; v. 235; p. 565.
- Blind, Window-. W. J. Hopper. No. 1,242,940; Oct. 16; v. 243; p. 543.
- Blinds, Apparatus for operating roller window-. S. P. Evans. No. 1,235,451; July 31; v. 240; p. 1399.
- Blinds, Mechanism for weaving slat-. A. C. Hough. No. 1,225,815; May 15; v. 238; p. 680.
- Blindstitching-machines, Feeding mechanism for. T. J. Hayes. No. 1,225,628; May 8; v. 238; p. 574.
- Block. See—
- Bed-frame corner-block. Interlocking block.
 - Bench-block. Machinery-block.
 - Building-block. Mop-block.
 - Bur-block. Nailing-block.
 - Cable-block. Paving-block.
 - Car dead-block. Pillow-block.
 - Chock-block. Printing-block.
 - Concrete block. Pulley-block.
 - Concrete building-block. Quad-block.
 - Cotton-gin press-block. Sheave-block.
 - Cutting-block. Stock-block.
 - Die-block. Switch-block.
 - Engraving-block. Toy block.
 - Filing-block. Toy building-block.
 - Fuse-block. Toy construction-block.
 - Galley-block. Twyer-block.
 - Hoist-block. Wheel-block.
- Block. S. M. Smith. No. 1,222,334; Apr. 10; v. 237; p. 498.
- Block and tackle. W. Hood. No. 1,230,164; June 19; v. 239; p. 685.
- Block-dropper, Automatic. G. C. Mumma. No. 1,244,360; Oct. 23; v. 243; p. 1008.
- Block-finishing apparatus. E. Lajeunesse. No. 1,218,780; Mar. 13; v. 236; p. 348.
- Block-hook. S. M. Smith. No. 1,246,174; Nov. 13; v. 244; p. 338.
- Block-leveler. A. Cash. No. 1,249,026; Dec. 4; v. 245; p. 173.
- Block-machine. C. S. Wert. No. 1,239,326; Sept. 4; v. 242; p. 194.
- Block-mold. W. H. Patterson. No. 1,219,660; Mar. 20; v. 236; p. 683.
- Block-mold. A. S. Tanner. No. 1,235,858; Aug. 7; v. 241; p. 107.
- Block mold, Cement-. F. W. Melde. No. 1,214,571; Feb. 6; v. 235; p. 31.
- Block mold, Plastic-. C. J. Perkins. No. 1,219,348; Mar. 13; v. 236; p. 544.
- Block-molding apparatus. C. A. Baldwin. No. 1,232,177; July 3; v. 240; p. 216.
- Block-molding machine. F. E. Peters. No. 1,220,452; Mar. 27; v. 236; p. 999.
- Block-molding machine. C. R. Walter. No. 1,228,269; May 29; v. 238; p. 1571.
- Block or tile press. L. N. McCarter. No. 1,213,219; Jan. 23; v. 234; p. 1082.
- Block shaping and trimming machine. J. W. Lee. No. 1,231,625; July 3; v. 240; p. 29.
- Block-signal. D. F. Crawford. No. 1,241,927; Oct. 2; v. 243; p. 147.
- Block-signal apparatus, Automatic. V. W. Baumgartner. No. 1,228,168; May 29; v. 238; p. 1539.
- Block-signal, Safety. G. W. Gerlach. No. 1,211,697; Jan. 9; v. 234; p. 485.
- Block-signal system. H. W. Balcom. No. 1,219,528; Mar. 20; v. 236; p. 637.
- Block-signal system. M. R. Julian. No. 1,230,903; June 26; v. 239; p. 968.
- Block-signal system. M. R. Julian. No. 1,232,561; July 10; v. 240; p. 373.
- Block-signal system. M. R. Julian. No. 1,243,418; Oct. 16; v. 243; p. 687.
- Block-signal system. M. R. Julian. No. 1,243,419; Oct. 16; v. 243; p. 688.
- Block-signal system. R. H. and H. W. Souder. No. 1,215,421; Feb. 13; v. 235; p. 361.
- Block-signal system, Absolute permissive automatic. W. W. Salmon and F. L. Dodgson. (Reissue.) No. 14,326; July 10; v. 240; p. 610.
- Block-signal systems, Circuit-breaker for. M. R. Julian and J. V. Morris. No. 1,231,169; June 26; v. 239; p. 1061.
- Block-signal systems, Speed-controlling mechanism for. M. R. Julian, M. H. Hovey, and T. E. Clark. No. 1,248,663; Dec. 4; v. 245; p. 70.
- Block-signaling, Absolute and permissive. J. Shoecraft. No. 1,229,155; June 5; v. 239; p. 262.
- Block-signaling system. R. C. Millard. No. 1,241,873; Oct. 2; v. 243; p. 129.
- Blotter. W. D. Smith. No. 1,225,519; May 8; v. 238; p. 537.

Alphabetical list of inventions—Continued.

- Blouse, Boy's. A. H. Gordon. No. 1,226,654; May 22; v. 238; p. 1000.
- Blower. A. L. Loewen. No. 1,237,212; Aug. 14; v. 241; p. 572.
- Blower. I. H. Spencer. No. 1,226,131; May 15; v. 238; p. 788.
- Blower. A. A. Thommen. No. 1,242,077; Oct. 2; v. 243; p. 193.
- Blower, Centrifugal. C. H. Smoot. No. 1,218,223; Mar. 6; v. 236; p. 117.
- Blower, Chair-actuated. M. Blanarik. No. 1,215,103; Feb. 6; v. 235; p. 217.
- Blower, Electromagnetic. E. K. Müller. No. 1,249,654; Dec. 11; v. 245; p. 384.
- Blower for boilers. G. W. Watson. No. 1,243,464; Oct. 16; v. 243; p. 701.
- Blower for cleaning furnace-flues. W. P. Sparboom. No. 1,229,539; June 12; v. 239; p. 442.
- Blower for pneumatic cleaners. Multistage. G. W. Allen. No. 1,247,064; Nov. 20; v. 244; p. 638.
- Blower for steam-boiler furnaces. E. B. Pitts, Sr. No. 1,225,053; May 8; v. 238; p. 380.
- Blower, Oscillating pressure. H. O. Jackson. No. 1,243,299; Oct. 16; v. 243; p. 653.
- Blower, Portable. H. E. Clark. No. 1,234,446; July 24; v. 240; p. 1057.
- Blower, Steam. C. S. Farrer. No. 1,222,274; Apr. 10; v. 237; p. 477.
- Blower, Turbine-driven. F. H. C. Coppus. No. 1,244,427; Oct. 23; v. 243; p. 1028.
- Blowers, Hoisting device for ensilage. W. E. Beretter. No. 1,215,241; Feb. 6; v. 235; p. 264.
- Blowpipe. J. Aslin. No. 1,227,104; May 22; v. 238; p. 1155.
- Blowpipe-cleaning device. J. P. Goggin. No. 1,234,010; July 17; v. 240; p. 880.
- Blowpipe, Cutting or welding. E. C. Martin. No. 1,237,534; Aug. 21; v. 241; p. 715.
- Blowpipe, Welding and cutting. E. C. Martin. No. 1,237,535; Aug. 21; v. 241; p. 716.
- Blue-print machine. J. L. Marquis. No. 1,246,974; Nov. 20; v. 244; p. 612.
- Bluing, Laundry. A. Stürcke. No. 1,219,186; Mar. 13; v. 236; p. 489.
- Board: See—
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| Bill-board. | Lath-board. |
| Black-board. | Leather-board. |
| Bolt-board. | Mold-board. |
| Building-board. | Mortuary board. |
| Bulletin-board. | Panel-board. |
| Composition board. | Paper-board. |
| Cotton-gin mote-board. | Pastry-board. |
| Cotton-press follower-board. | Peg-board. |
| Creasing-board. | Piano sounding-board. |
| Display-board. | Plaster-board. |
| Dough-board. | Pressing-board. |
| Drain-board. | Shampoo-board. |
| Drawing-board. | Sign-board. |
| Educational board. | Splash-board. |
| Fabric-bolt board. | Spring-board. |
| Game-board. | Switchboard. |
| Ironing-board. | Time-check board. |
| Ironing and pressing board. | Wall-board. |
| | Washboard. |
- Boarding-machine. C. A. Rausch. No. 1,232,975; July 10; v. 240; p. 509.
- Boat: See—
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| Canal-boat. | Power-boat. |
| Collapsible boat. | Reversible boat. |
| Flying-boat. | Safety double boat. |
| Hydroplane-boat. | Ship's boat. |
| Life-boat. | Submarine boat. |
| Manually-propelled boat. | Wooden boat. |
| Pleasure-boat. | |
- Boat. H. B. Hills. No. 1,243,938; Oct. 23; v. 243; p. 883.
- Boat. L. L. McGee. No. 1,231,924; July 3; v. 240; p. 130.
- Boat. S. Odabashian. No. 1,244,123; Oct. 23; v. 243; p. 938.
- Boat. G. W. Richardson. No. 1,220,558; Mar. 27; v. 236; p. 1036.
- Boat. F. L. Saunders. No. 1,226,699; May 22; v. 238; p. 1015.
- Boat. H. Weber. No. 1,241,065; Sept. 25; v. 242; p. 837.
- Boat and its propeller. O. A. W. Riecks. No. 1,223,616; Apr. 24; v. 237; p. 1016.
- Boat and the like, Life. H. W. Broady. No. 1,226,944; May 22; v. 238; p. 1099.
- Boat, Collapsible. W. H. Cox. No. 1,227,247; May 22; v. 238; p. 1204.
- Boat, Diving. L. Pierce. No. 1,223,730; Apr. 24; v. 237; p. 1057.
- Boat-driving device. C. A. and O. W. Hult. No. 1,228,776; June 5; v. 239; p. 137.
- Boat for submarines, Life. W. Brown. No. 1,221,282; Apr. 3; v. 237; p. 100.
- Boat, Gliding. D. La Chapelle. No. 1,221,871; Apr. 10; v. 237; p. 335.
- Boat hook, Life. V. R. Kalbfleisch. No. 1,214,313; Jan. 30; v. 234; p. 1490.
- Boat-hull. G. H. Curtiss. No. 1,223,318; Apr. 17; v. 237; p. 877.
- Boat hull, Flying. G. H. Curtiss. No. 1,223,319; Apr. 17; v. 237; p. 878.
- Boat-landing. W. C. Ross. No. 1,243,981; Oct. 23; v. 243; p. 895.
- Boat, Life-saving. T. McWatters. No. 1,227,284; May 22; v. 238; p. 1214.
- Boat, Multiple-step flying. G. H. Curtiss and J. P. Tarbox. No. 1,223,320; Apr. 17; v. 237; p. 878.
- Boat, Non-sinkable. A. J. Chauvin. No. 1,220,955; Mar. 27; v. 236; p. 1170.
- Boat or ship construction. C. W. White. No. 1,241,799; Oct. 2; v. 243; p. 105.
- Boat raising and lowering mechanism. W. T. Oliver. No. 1,237,085; Aug. 14; v. 241; p. 534.
- Boat-raising device. H. A. Houghton. No. 1,240,453; Sept. 18; v. 242; p. 616.
- Boat-stopping device. L. Shubatt. No. 1,217,845; Feb. 27; v. 235; p. 1309.
- Boat, Submarine life. D. V. Reeves. No. 1,210,840; Jan. 2; v. 234; p. 158.
- Boat-type wing-pontoon. G. H. Curtiss. No. 1,246,017; Nov. 6; v. 244; p. 261.
- Boats and the like, Safety-balloonette for. T. P. Brooke. No. 1,240,414; Sept. 18; v. 242; p. 603.
- Boats, Attachment for. W. H. Moore. No. 1,220,876; Mar. 27; v. 236; p. 1144.
- Boats from ships, Launching of. J. C. Snelling. No. 1,216,868; Feb. 20; v. 235; p. 926.
- Boats, Motor attachment for. B. E. Byrd. No. 1,228,094; May 29; v. 238; p. 1517.
- Boats, Motor attachment for. W. J. Johnston. No. 1,225,252; May 8; v. 238; p. 445.
- Boats overland, Apparatus for transporting submarine torpedo. S. Lake. No. 1,219,647; Mar. 20; v. 236; p. 679.
- Boats, Safety device for submarine. J. P. Ryan. No. 1,219,667; Mar. 20; v. 236; p. 686.
- Bob-knee, Oscillating. C. E. Barnes. No. 1,212,883; Jan. 16; v. 234; p. 931.
- Bobbin. G. H. Benjamin. No. 1,237,457; Aug. 21; v. 241; p. 690.
- Bobbin. R. Fisher. No. 1,217,429; Feb. 27; v. 235; p. 1163.
- Bobbin. M. Gorrell. No. 1,243,157; Oct. 16; v. 243; p. 610.
- Bobbin. J. W. Reid. No. 1,243,102; Oct. 16; v. 243; p. 595.
- Bobbin-handling apparatus. H. D. Colman. No. 1,226,606; May 15; v. 238; p. 945.
- Bobbin-holder. G. W. Kretschmar. No. 1,233,064; July 10; v. 240; p. 537.
- Bobbin-holder, Automatic ball-bearing. W. J. Sullivan. No. 1,231,217; June 26; v. 239; p. 1077.
- Bobbin-magazine. G. W. Foster. No. 1,218,601; Mar. 6; v. 236; p. 246.
- Bobbin-skewer. E. D. Roy. No. 1,245,620; Nov. 6; v. 244; p. 145.
- Bobbin-skewer. A. Taylor. No. 1,239,138; Sept. 4; v. 242; p. 135.
- Bobbin-skewer. A. Taylor. No. 1,239,139; Sept. 4; v. 242; p. 135.
- Bobbin-sorter. H. D. Colman. No. 1,227,118; May 22; v. 238; p. 1160.
- Bobbin-spindle. T. H. Smith. No. 1,238,352; Aug. 28; v. 241; p. 1012.
- Bobbin-spindle. T. H. Smith. No. 1,238,353; Aug. 28; v. 241; p. 1012.
- Bobbin-supporting pin for a creel. C. L. Lytton. No. 1,234,551; July 24; v. 240; p. 1091.
- Bobbin-tender. D. L. Chandler. No. 1,229,228; June 12; v. 239; p. 337.
- Bobbin-winder. A. Rotter. No. 1,240,881; Sept. 25; v. 242; p. 780.
- Bobbin-winder guard. S. Gogel. No. 1,213,862; Jan. 30; v. 234; p. 1333.
- Bobbin-winding machine. C. E. Hayes. No. 1,210,643; Jan. 2; v. 234; p. 93.
- Bobbins, Magnetic clutch for. A. K. Miller. No. 1,236,965; Aug. 14; v. 241; p. 496.
- Bobbins or cops, Support for. J. O. McKean. No. 1,229,491; June 12; v. 239; p. 425.
- Bodkin. L. B. Mitchell. No. 1,217,046; Feb. 20; v. 235; p. 936.
- Bodies of extended discontinuously-associated particles of calcium carbonate and the product thereof, Producing. W. R. Seigle. No. 1,228,486; June 5; v. 239; p. 38.
- Bodies of extended discontinuously-associated solid particles and the product thereof, Producing. W. R. Seigle. No. 1,228,485; June 5; v. 239; p. 37.
- Body-elevating device. E. K. Day. No. 1,229,240; June 12; v. 239; p. 341.
- Body-lowering device. J. C. Bernales. No. 1,219,530; Mar. 20; v. 236; p. 638.
- Body-protector. W. L. Stewart. No. 1,239,980; Sept. 11; v. 242; p. 430.
- Body-rest. M. W. Kaye. No. 1,238,782; Sept. 4; v. 242; p. 19.

- Bog-cutter. H. L. Doane and S. Caswell. No. 1,247,382; Nov. 20; v. 244; p. 729.
- Boiler: *See*—
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| Automatic boiler. | Pulp-boiler. |
| Clothes-boiler. | Sectional boiler. |
| Culinary boiler. | Steam-boiler. |
| Electric boiler. | Steam and gas boiler. |
| Feed-boiler. | Sun-boiler. |
| Heating-boiler. | Superheater-boiler. |
| Hot-water boiler. | Washboiler. |
| Locomotive-boiler. | Water-tube boiler. |
| Milk-boiler. | |
- Boiler. P. A. Bancel. No. 1,225,304; May 8; v. 238; p. 465.
- Boiler. H. W. Bell. No. 1,210,586; Jan. 2; v. 234; p. 72.
- Boiler. P. Crosti. No. 1,250,979; Dec. 25; v. 245; p. 866.
- Boiler. W. L. R. Emmet. No. 1,236,155; Aug. 7; v. 241; p. 201.
- Boiler. W. J. Linton. No. 1,214,195; Jan. 30; v. 234; p. 1446.
- Boiler. J. M. McClellon. No. 1,248,356; Nov. 27; v. 244; p. 1040.
- Boiler. E. C. Meier. No. 1,239,026; Sept. 4; v. 242; p. 99.
- Boiler. E. C. Meier. No. 1,245,005; Oct. 30; v. 243; p. 1242.
- Boiler. O. T. Nelson. No. 1,235,916; Aug. 7; v. 241; p. 127.
- Boiler. R. F. E. Okrassa. No. 1,218,453; Mar. 6; v. 236; p. 195.
- Boiler. G. W. Rist. No. 1,241,884; Oct. 2; v. 243; p. 133.
- Boiler. C. G. Warner. No. 1,239,546; Sept. 11; v. 242; p. 292.
- Boiler. W. H. Winslow. No. 1,237,233; Aug. 14; v. 241; p. 579.
- Boiler and other furnace. J. Reagan. No. 1,211,755; Jan. 9; v. 234; p. 504.
- Boiler and water-heater. Combined. J. Erdödi. No. 1,221,520; Apr. 3; v. 237; p. 183.
- Boiler-arch construction. J. Warner. No. 1,231,224; June 26; v. 239; p. 1079.
- Boiler attachment. N. H. Neuens. No. 1,241,002; Sept. 25; v. 242; p. 818.
- Boiler casing or jacket. R. Hutsel. No. 1,239,106; Sept. 4; v. 242; p. 124.
- Boiler-cleaner. F. McIlvane. No. 1,231,276; June 26; v. 239; p. 1095.
- Boiler-cleaner. F. McIlvane. No. 1,245,750; Nov. 6; v. 244; p. 133.
- Boiler combustion-controlling apparatus. G. C. G. Gray. No. 1,234,154; July 24; v. 240; p. 963.
- Boiler compound. V. J. Melsted. No. 1,210,965; Jan. 2; v. 234; p. 203.
- Boiler-compound feeder. J. W. Etienne. No. 1,221,851; Apr. 10; v. 237; p. 328.
- Boiler control, Multiple-unit. E. F. Fisher. No. 1,250,832; Dec. 18; v. 245; p. 772.
- Boiler door. Steam-. H. T. Noble. No. 1,250,629; Dec. 18; v. 245; p. 712.
- Boiler economizer, Steam-. D. S. Jacobus. No. 1,219,320; Mar. 13; v. 236; p. 534.
- Boiler economizer, Steam-. D. S. Jacobus. No. 1,219,321; Mar. 13; v. 236; p. 535.
- Boiler element with tubes of increasing diameter, Belleville-. C. Radiguer. No. 1,223,108; Apr. 17; v. 237; p. 808.
- Boiler explosions, leakage, &c., Means for preventing. L. S. Ross. No. 1,238,825; Sept. 4; v. 242; p. 33.
- Boiler-feed apparatus. W. L. Oswald. No. 1,251,092; Dec. 25; v. 245; p. 898.
- Boiler feed mechanism. Flash-. V. H. Slosser. No. 1,210,995; Jan. 2; v. 234; p. 214.
- Boiler-feeding means. W. L. R. Emmet. No. 1,236,154; Aug. 7; v. 241; p. 201.
- Boiler fire-box, Locomotive-. J. L. Nicholson. No. 1,229,376; June 12; v. 239; p. 388.
- Boiler fire-boxes, Fire-brick arch for. M. F. Cox. No. 1,231,854; July 3; v. 240; p. 107.
- Boiler-fire-setting device. F. Schmitt. No. 1,222,806; Apr. 17; v. 237; p. 705.
- Boiler-flues, Steam-blast cleaner for. J. M. Shea. No. 1,227,007; May 22; v. 238; p. 1123.
- Boiler-flues, Thimble for. J. F. McKenna. No. 1,220,438; Mar. 27; v. 236; p. 995.
- Boiler-furnace. J. F. Cunningham. No. 1,216,661; Feb. 20; v. 235; p. 856.
- Boiler-furnace. E. R. Fish. No. 1,228,102; May 29; v. 238; p. 1519.
- Boiler furnace, Locomotive-. A. H. Wellett. No. 1,229,379; June 12; v. 239; p. 389.
- Boiler-furnace, Sectional. C. Phelps. No. 1,242,856; Oct. 9; v. 243; p. 482.
- Boiler furnace, Steam-. C. Freihofer. No. 1,244,311; Oct. 23; v. 243; p. 995.
- Boiler furnace, Steam-. O. D. Orvis. No. 1,217,492; Feb. 27; v. 235; p. 1186.
- Boiler furnace, Steam-. F. C. Stimmel. No. 1,211,782; Jan. 9; v. 234; p. 514.
- Boiler fusible plug. W. F. Ray and R. Bonnett. No. 1,237,957; Aug. 21; v. 241; p. 848.
- Boiler-grates, Reinforced center frame for. J. Mahon. No. 1,213,521; Jan. 23; v. 234; p. 1187.
- Boiler-hand-hole scraper. O. Bache and C. Berg. No. 1,239,754; Sept. 11; v. 242; p. 358.
- Boiler heater, Water-tube-. W. W. Kemp and W. H. Van Horn. No. 1,234,173; July 24; v. 240; p. 969.
- Boiler-manhead. L. Houts. No. 1,243,178; Oct. 16; v. 243; p. 616.
- Boiler-operating method and means. C. H. Nichols. No. 1,234,201; July 24; v. 240; p. 977.
- Boiler or heater. W. Kane. No. 1,215,031; Feb. 6; v. 235; p. 194.
- Boiler-plugs, Safety-cap for. R. L. Ettenger. No. 1,248,297; Nov. 27; v. 244; p. 1024.
- Boiler-repair plug. E. C. Worns. No. 1,241,597; Oct. 2; v. 243; p. 43.
- Boiler safety device. D. J. Duggan. No. 1,247,244; Nov. 20; v. 244; p. 691.
- Boiler-scale, Removing and preventing. M. W. Willson. No. 1,223,547; Apr. 24; v. 237; p. 993.
- Boiler scraper, Steam-. F. S. Hammond. No. 1,233,776; July 17; v. 240; p. 804.
- Boiler-seam protector. J. J. Gage. No. 1,223,781; Apr. 24; v. 237; p. 1076.
- Boiler-stand. W. D. Banks. No. 1,240,648; Sept. 18; v. 242; p. 674.
- Boiler-stand. W. Hawks. No. 1,245,228; Nov. 6; v. 244; p. 27.
- Boiler-stand. L. H. Manneschildt. No. 1,236,329; Aug. 7; v. 241; p. 255.
- Boiler-stand. W. G. Probst. No. 1,234,087; July 17; v. 240; p. 904.
- Boiler stand and fitting, Combined. J. Phillips. No. 1,246,459; Nov. 13; v. 244; p. 425.
- Boiler-stay. C. A. Thomas. No. 1,236,231; Aug. 7; v. 241; p. 227.
- Boiler stay-bolt. E. I. Dodds. No. 1,216,551; Feb. 20; v. 235; p. 819.
- Boiler stay-bolt. E. I. Dodds. No. 1,229,909; June 12; v. 239; p. 565.
- Boiler stay-bolt. E. I. Dodds. No. 1,229,910; June 12; v. 239; p. 565.
- Boiler stay-bolt. E. I. Dodds. No. 1,236,065; Aug. 7; v. 241; p. 174.
- Boiler stay-bolt. B. E. D. Stafford. No. 1,236,224; Aug. 7; v. 241; p. 225.
- Boiler stay-bolt. B. E. D. Stafford and E. I. Dodds. No. 1,230,048; June 12; v. 239; p. 608.
- Boiler stay-bolt. B. E. D. Stafford and E. I. Dodds. No. 1,236,015; Aug. 7; v. 241; p. 160.
- Boiler stay-bolt. B. E. D. Stafford and E. I. Dodds. No. 1,244,915; Oct. 30; v. 243; p. 1216.
- Boiler-stay-bolt connection. B. E. D. Stafford. No. 1,244,916; Oct. 30; v. 243; p. 1216.
- Boiler-stay-bolt connection, Flexible. B. E. D. Stafford. No. 1,250,240; Dec. 18; v. 245; p. 595.
- Boiler stay-bolt structure. C. Hyland. No. 1,222,292; Apr. 10; v. 237; p. 483.
- Boiler structure. W. Kane. No. 1,231,375; June 26; v. 239; p. 1128.
- Boiler-tube cleaner. S. J. Herman. No. 1,235,317; July 31; v. 240; p. 1361.
- Boiler-tube cleaner. G. W. Watson. No. 1,225,292; May 8; v. 238; p. 460.
- Boiler-tube cleaner, Marine-. J. Hikida. No. 1,228,437; June 5; v. 239; p. 22.
- Boiler-tube-cleaning means. K. Kimura. No. 1,237,527; Aug. 21; v. 241; p. 713.
- Boiler-tube ferrule. J. J. Finnigan. No. 1,248,099; Nov. 27; v. 244; p. 967.
- Boiler-tube plug. W. J. Baker. No. 1,213,060; Jan. 16; v. 234; p. 992.
- Boiler-tubes, Internal fitting for. T. Henderson. No. 1,243,168; Oct. 16; v. 243; p. 613.
- Boiler-tubes, Means for cleaning. K. Kimura. No. 1,234,909; July 31; v. 240; p. 1237.
- Boiler washing and filling system. F. W. Miller. No. 1,238,172; Aug. 28; v. 241; p. 952.
- Boiler water-gage. F. S. Young. No. 1,229,848; June 12; v. 239; p. 546.
- Boiler water-gage, Steam-. J. J. Froehlich. No. 1,247,256; Nov. 20; v. 244; p. 693.
- Boiler water-gage protector, Steam-. W. G. Werbeck. No. 1,223,456; Apr. 24; v. 237; p. 958.
- Boiler-water, Purifying. H. Kriegsheim. No. 1,243,191; Oct. 16; v. 243; p. 622.
- Boiler-water, Treating. H. Kriegsheim. No. 1,235,815; Aug. 7; v. 241; p. 94.
- Boilers and other fixtures containing steam under pressure. Safety device for steam-. A. L. Bridgham. No. 1,220,944; Mar. 27; v. 236; p. 1166.
- Boilers and the like, Carbon-consumer for. J. S. Andrews. No. 1,216,392; Feb. 20; v. 235; p. 763.
- Boilers, Apparatus for feeding scale-preventive into. W. W. Bonfield. No. 1,226,300; May 15; v. 238; p. 850.
- Boilers, &c., Apparatus for returning water of condensation to. G. L. C. Earle. No. 1,223,944; Apr. 24; v. 237; p. 1131.
- Boilers, Arch-protector for. D. Smith. No. 1,231,803; July 3; v. 240; p. 90.
- Boilers, Auxiliary inner fire-tube for steam-. W. S. Bridges. No. 1,216,408; Feb. 20; v. 235; p. 769.

Alphabetical list of inventions—Continued.

- Boilers, Circulating and protective means for steam-. F. Illescas. No. 1,238,773; Sept. 4; v. 242; p. 16.
- Boilers, Feed apparatus for rotating. J. V. Blomquist. No. 1,242,131; Oct. 9; v. 243; p. 251.
- Boilers, Flexible stay-bolt connection for. C. Hyland. No. 1,229,961; June 12; v. 239; p. 582.
- Boilers, Fluid-jet blower for the cleaning of the tubes of water-tube. T. Gruenwald. No. 1,217,755; Feb. 27; v. 235; p. 1279.
- Boilers, Gage-glass for steam-. T. L. Peterson. No. 1,227,305; May 22; v. 238; p. 1222.
- Boilers, Grate for marine and stationary. W. C. Codd. No. 1,232,897; July 10; v. 240; p. 485.
- Boilers, Hand-hole plate for. H. D. Kelly. No. 1,226,080; May 15; v. 238; p. 771.
- Boilers, Liquid-level indicator for steam-. W. A. Kitts, Sr. No. 1,223,799; Apr. 24; v. 237; p. 1082.
- Boilers, Means for protecting water-gage tubes of steam-. W. G. Werbeck. No. 1,213,986; Jan. 30; v. 234; p. 1375.
- Boilers, Radial stay for locomotive-. A. R. Hodges. No. 1,249,958; Dec. 11; v. 245; p. 474.
- Boilers, Safety device to prevent the collapsing of hot-water. E. F. Donnelly. No. 1,212,148; Jan. 9; v. 234; p. 642.
- Boilers, Safety relief device for low-pressure steam-. M. C. Honeywell. No. 1,243,604; Oct. 16; v. 243; p. 743.
- Boilers, Soot-blower for. G. C. and J. C. Bennett. No. 1,240,926; Sept. 25; v. 242; p. 796.
- Boilers, Soot-cleaner for water-tube. F. W. Linaker. No. 1,222,641; Apr. 17; v. 237; p. 648.
- Boilers, Soot-ejector for steam-. W. J. Bradley. No. 1,222,177; Apr. 10; v. 237; p. 443.
- Boilers, Water-column connection for steam-. T. G. Stratton. No. 1,234,955; July 31; v. 240; p. 1252.
- Boilers, Water-indicating means for steam-. W. C. Blundell. No. 1,221,963; Apr. 10; v. 237; p. 368.
- Boilers, Water-leg for. J. Lusk. No. 1,249,790; Dec. 11; v. 245; p. 426.
- Boilers, Water-purifying device for. J. H. Mutchler. No. 1,237,942; Aug. 21; v. 241; p. 844.
- Bolt breaker and cleaner. T. L. Kinne. No. 1,231,171; June 26; v. 239; p. 1062.
- Bolt-weepil and square collector. J. H. Fike. No. 1,213,087; Jan. 16; v. 234; p. 1002.
- Bolt-weepil catcher. R. L. Grant. No. 1,232,679; July 10; v. 240; p. 412.
- Bolt-weepil catcher. J. Richards. No. 1,244,895; Oct. 30; v. 243; p. 1210.
- Bolt-weepil catcher and destroyer. W. C. McAdams. No. 1,224,555; May 1; v. 238; p. 158.
- Bolt-weepil collector. W. E. Frady. No. 1,220,213; Mar. 27; v. 236; p. 914.
- Bolt-weepil destroyer. J. T. Andrew. No. 1,216,917; Feb. 20; v. 235; p. 942.
- Bolt-weepil destroyer. J. N. Graves. No. 1,239,684; Sept. 11; v. 242; p. 337.
- Bolt-weepil destroyer. W. L. Henry and I. E. Calloway. No. 1,235,473; July 31; v. 240; p. 1405.
- Bolt-weepil destroyer. S. J. Patton. No. 1,241,012; Sept. 25; v. 242; p. 821.
- Bolt-weepil destroyer. W. W. Fuller. No. 1,241,727; Oct. 2; v. 243; p. 84.
- Bolt-weepil-destroying machine. J. H. Nolin. No. 1,223,415; Apr. 24; v. 237; p. 945.
- Bolt-weepil exterminator. R. K. Goar. No. 1,228,313; May 29; v. 238; p. 1586.
- Bolt-weepil exterminator. B. F. Gray. No. 1,226,505; May 15; v. 238; p. 914.
- Bolt-weepil exterminator. E. A. Salter. No. 1,250,516; Dec. 18; v. 245; p. 678.
- Bolt-weepil exterminator. J. K. Stallings. No. 1,216,006; Feb. 13; v. 235; p. 573.
- Bolt-weepil machine. H. A. Jones and B. C. Harrell. No. 1,243,302; Oct. 16; v. 243; p. 655.
- Bolt-weepil trap. G. H. Russell. No. 1,244,547; Oct. 30; v. 243; p. 1104.
- Bolt-weepils, Device for catching. G. E. Keyser and J. U. Till. No. 1,240,736; Sept. 18; v. 242; p. 701.
- Bolster-stake holder. C. Faust. No. 1,217,584; Feb. 27; v. 235; p. 1220.
- Bolster-support, Auxiliary. R. D. Cramer. No. 1,248,815; Dec. 4; v. 245; p. 116.
- Bolt: See—
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| Anchor-bolt. | Securing and tightening bolt. |
| Boiler stay-bolt. | Self-lubricating bolt. |
| Coupling-bolt. | Self-tightening bolt. |
| Door-bolt. | Slide-bolt. |
| Expansion-bolt. | Stay-bolt. |
| Lock-bolt. | Stud-bolt. |
| Locking-bolt. | Toggle-bolt. |
| Oil-bolt. | |
| Resilient bolt. | |
- Bolt. W. C. Brubaker. No. 1,210,595; Jan. 2; v. 234; p. 74.
- Bolt. E. I. Dodds. No. 1,236,063; Aug. 7; v. 241; p. 174.
- Bolt. J. A. Frauenheim. No. 1,228,199; May 29; v. 238; p. 1549.
- Bolt. A. D. Newman. No. 1,249,176; Dec. 4; v. 245; p. 216.
- Bolt. S. W. Parsons. No. 1,246,992; Nov. 20; v. 244; p. 618.
- Bolt-anchor. H. W. Pleister. No. 1,222,987; Apr. 17; v. 237; p. 766.
- Bolt-anchor. H. W. Pleister. No. 1,222,988; Apr. 17; v. 237; p. 767.
- Bolt-anchor. H. W. Pleister. No. 1,248,003; Nov. 27; v. 244; p. 941.
- Bolt-anchor. H. W. Pleister. No. 1,248,004; Nov. 27; v. 244; p. 941.
- Bolt-anchor. H. W. Pleister. No. 1,248,005; Nov. 27; v. 244; p. 941.
- Bolt-anchor. H. W. Pleister. No. 1,248,006; Nov. 27; v. 244; p. 942.
- Bolt-anchor. H. W. Pleister. No. 1,248,007; Nov. 27; v. 244; p. 942.
- Bolt-anchor. H. W. Pleister. No. 1,248,008; Nov. 27; v. 244; p. 942.
- Bolt-anchor. H. W. Pleister. No. 1,248,009; Nov. 27; v. 244; p. 942.
- Bolt and nut lock. A. Damboise. No. 1,216,957; Feb. 20; v. 235; p. 955.
- Bolt and nut lock. S. Woina. No. 1,220,579; Mar. 27; v. 236; p. 1044.
- Bolt blanks, Making flexible. E. I. Dodds. No. 1,250,148; Dec. 18; v. 245; p. 567.
- Bolt-board. W. M. Austin. No. 1,232,171; July 3; v. 240; p. 214.
- Bolt construction, Hollow-. C. H. Atkins. No. 1,216,395; Feb. 20; v. 235; p. 764.
- Bolt headers and shears, Operating mechanism for. N. Grandchamp. No. 1,241,728; Oct. 2; v. 243; p. 84.
- Bolt-lock. H. Dempsey. No. 1,231,135; June 26; v. 239; p. 1050.
- Bolt lock, Double-. G. Blume. No. 1,213,827; Jan. 30; v. 234; p. 1322.
- Bolt-lock, Knob. M. L. Silverstein. No. 1,245,049; Oct. 30; v. 243; p. 1255.
- Bolt lock, Multiple-. C. Liberman. No. 1,237,794; Aug. 21; v. 241; p. 798.
- Bolt-locking device. W. L. Campbell. No. 1,231,703; July 3; v. 240; p. 57.
- Bolts, Locking device for Cremorne. O. C. Rixson. No. 1,249,831; Dec. 11; v. 245; p. 437.
- Bolt mechanism. D. Walter. No. 1,228,995; June 5; v. 239; p. 209.
- Bolt-securing means. G. R. Hohorst. No. 1,238,915; Sept. 4; v. 242; p. 62.
- Bolt-tightener. W. I. Harp. No. 1,234,020; July 17; v. 240; p. 883.
- Bolts and similar devices, Retaining means for. G. D. Pogue. No. 1,229,783; June 12; v. 239; p. 523.
- Bolts, Apparatus for making compound twisted. J. A. Frauenheim. No. 1,226,497; May 15; v. 238; p. 911.
- Bolts, Making. L. Parish. No. 1,244,125; Oct. 23; v. 243; p. 938.
- Bolts, Manufacturing composite. J. A. Frauenheim. No. 1,228,198; May 29; v. 238; p. 1548.
- Boltless tie. P. J. Harrigan. No. 1,212,217; Jan. 16; v. 234; p. 695.
- Bomb, Aerial multiple explosive. H. L. Courtesy. No. 1,241,095; Sept. 25; v. 242; p. 846.
- Bomb-dropper. J. H. F. Lafamme and O. Gravel. No. 1,231,387; June 26; v. 239; p. 1133.
- Bomb-dropping apparatus. F. H. Peterson. No. 1,251,414; Dec. 25; v. 245; p. 992.
- Bomb-dropping mechanism. A. Fernandez. No. 1,237,890; Aug. 21; v. 241; p. 827.
- Bomb, grenade, and like explosive projectile. W. H. McCandlish. No. 1,234,358; July 24; v. 240; p. 1029.
- Bomb or shell, Anti-aircraft. N. F. Rodzikevitch. No. 1,225,497; May 8; v. 238; p. 530.
- Bomb-signal for trains, Safety. W. McMane. No. 1,214,201; Jan. 30; v. 234; p. 1449.
- Bond-wire connector. W. W. Coleman. No. 1,241,497; Oct. 2; v. 243; p. 6.
- Bonded fabric, Laminated, cohesive, interwound. L. A. Subers. No. 1,230,338; June 19; v. 239; p. 743.
- Bonding and locking device, Combined. F. A. Hapton-stall. No. 1,220,983; Mar. 27; v. 236; p. 1179.
- Bonding-pin. E. M. Deems. No. 1,225,781; May 15; v. 238; p. 669.
- Bone-setting device. L. G. Rink. No. 1,217,637; Feb. 27; v. 235; p. 1239.
- Book. A. D. Parrett. No. 1,220,884; Mar. 27; v. 236; p. 1147.
- Book. D. Farquhar. No. 1,243,394; Oct. 16; v. 243; p. 256.
- Book. R. Mayhew. No. 1,236,333; Aug. 7; v. 241; p. 1076.
- Book. R. H. Smith. No. 1,234,502; July 24; v. 240; p. 1076.
- Book. B. Webster. No. 1,233,827; July 17; v. 240; p. 821.
- Book, Account-. M. P. Exline. No. 1,238,655; Aug. 28; v. 241; p. 1108.
- Book, Account-. C. L. Smith. No. 1,238,585; Aug. 28; v. 241; p. 1087.
- Book and combination page and envelop therefor, Order-. L. Wessel, Jr. No. 1,221,931; Apr. 10; v. 237; p. 358.
- Book and foot-measuring device and record, Sales-. P. A. Jesberg. No. 1,233,481; July 17; v. 240; p. 710.
- Book binding or covering machine. A. Bredenberg. No. 1,248,252; Nov. 27; v. 244; p. 1010.
- Book binding or covering machine. A. Bredenberg. No. 1,248,254; Nov. 27; v. 244; p. 1012.

- Book, Carbon-paper form-. E. B. Traub. No. 1,221,111; Apr. 3; v. 237; p. 37.
- Book, Check-. J. Glaenger. No. 1,222,201; Apr. 10; v. 237; p. 451.
- Book, Check-. E. A. Leavitt. No. 1,211,324; Jan. 2; v. 234; p. 325.
- Book, Check-. P. W. Schwander. No. 1,222,037; Apr. 10; v. 237; p. 393.
- Book, Check-. J. F. Shoemaker. No. 1,230,044; June 12; v. 239; p. 607.
- Book-clasp. A. T. Palmer. No. 1,226,001; May 15; v. 238; p. 743.
- Book cover, Check-. H. A. Smith. No. 1,217,849; Feb. 27; v. 235; p. 1310.
- Book-cover holder. G. M. Daniels. No. 1,246,243; Nov. 13; v. 244; p. 358.
- Book-cover protector. C. M. Aument. No. 1,220,389; Mar. 27; v. 236; p. 978.
- Book-cover protector. E. L. Rowles. No. 1,238,342; Aug. 28; v. 241; p. 1009.
- Book-cover, Removable. W. R. Hotchkiss. No. 1,221,737; Apr. 3; v. 237; p. 254.
- Book-covers, Machine for shaping the backs of. J. C. Gourley. No. 1,230,292; June 19; v. 239; p. 729.
- Book, Folding check-. J. P. Normann. No. 1,228,589; June 5; v. 239; p. 73.
- Book-hanger. A. J. MacDougall. No. 1,224,947; May 8; v. 238; p. 345.
- Book-holder. C. H. Bartlett. No. 1,215,898; Feb. 13; v. 235; p. 533.
- Book-holder. J. Boyd. No. 1,246,859; Nov. 20; v. 244; p. 579.
- Book-holder. O. E. Enell. No. 1,238,899; Sept. 4; v. 242; p. 58.
- Book-holder. M. Le Vino. No. 1,217,024; Feb. 20; v. 235; p. 979.
- Book-holder. W. T. Reed. No. 1,228,136; May 29; v. 238; p. 1529.
- Book-holder. H. M. Ridall. No. 1,219,777; Mar. 20; v. 236; p. 723.
- Book-holder. L. P. Ryan. No. 1,237,101; Aug. 14; v. 241; p. 540.
- Book-holder. A. E. Wood. No. 1,239,655; Sept. 11; v. 242; p. 326.
- Book holder and protector. E. B. Hess. No. 1,228,435; June 5; v. 239; p. 21.
- Book holder, Check-. J. B. Robertson. No. 1,242,475; Oct. 9; v. 243; p. 360.
- Book holder, Note-. W. H. Freundt. No. 1,251,006; Dec. 25; v. 245; p. 874.
- Book holder, Note-. F. J. Klein. No. 1,237,912; Aug. 21; v. 241; p. 834.
- Book-holding device. V. L. Stolze. No. 1,243,891; Oct. 23; v. 243; p. 869.
- Book, Laundry-. W. S. Freeman. No. 1,240,698; Sept. 18; v. 242; p. 689.
- Book, Loose-leaf. J. W. Myatt. No. 1,233,104; July 10; v. 240; p. 550.
- Book, Loose-leaf. J. Murray. No. 1,243,544; Oct. 16; v. 243; p. 726.
- Book, Loose-leaf. R. G. Whitlock. No. 1,222,058; Apr. 10; v. 237; p. 400.
- Book, Loose-leaf. R. G. Whitlock. No. 1,228,860; June 5; v. 239; p. 163.
- Book, Manifolded sales-. E. K. Bottle. No. 1,236,665; Aug. 14; v. 241; p. 399.
- Book, Manifolded sales-. E. K. Bottle. No. 1,236,666; Aug. 14; v. 241; p. 399.
- Book, Manifolded sales-. E. K. Bottle. No. 1,249,310; Dec. 11; v. 245; p. 287.
- Book, Manifolded sales-. E. C. Fisher. No. 1,217,166; Feb. 27; v. 235; p. 1073.
- Book, Manifolded sales-. L. Rotenberg. No. 1,218,700; Mar. 13; v. 236; p. 319.
- Book, Manifolded sales-. C. L. Spence. No. 1,240,613; Sept. 18; v. 242; p. 662.
- Book-mark. R. O. Pierce. No. 1,229,516; June 12; v. 239; p. 434.
- Book-mark. Adjustable and reversible. F. W. Stechan. No. 1,232,116; July 3; v. 240; p. 197.
- Book-mark record, Adjustable. H. S. Mahan. No. 1,249,980; Dec. 11; v. 245; p. 479.
- Book-marker. T. F. Matthews. No. 1,210,964; Jan. 2; v. 234; p. 203.
- Book-marker. W. Mayfield. No. 1,250,926; Dec. 18; v. 245; p. 800.
- Book-marker clip. J. A. Lee. No. 1,216,468; Feb. 20; v. 235; p. 789.
- Book-marking device. G. Perry. No. 1,222,023; Apr. 10; v. 237; p. 389.
- Book-marking device. A. Smith. No. 1,248,567; Dec. 4; v. 245; p. 41.
- Book or binder, Loose-leaf. J. W. Myatt. No. 1,244,233; Oct. 23; v. 243; p. 971.
- Book or catalogue. C. N. Stone. No. 1,212,279; Jan. 16; v. 234; p. 721.
- Book or lesson markers, Spring-grip. H. P. Loveland. No. 1,245,936; Nov. 6; v. 244; p. 240.
- Book or pad, Manifolded. W. E. Dunning. No. 1,213,341; Jan. 23; v. 234; p. 1125.
- Book or sales-slip holder, Manifold-. J. F. Huber. No. 1,213,877; Jan. 30; v. 234; p. 1339.
- Book, Pass-. C. L. Marcus. No. 1,239,285; Sept. 4; v. 242; p. 182.
- Book-rack. J. G. Larson. No. 1,245,111; Oct. 30; v. 243; p. 1274.
- Book-rest. E. H. Bancroft. No. 1,216,048; Feb. 13; v. 235; p. 589.
- Book-rest. J. Harrison. No. 1,219,393; Mar. 13; v. 236; p. 560.
- Book-rest. J. E. Jargo. No. 1,241,218; Sept. 25; v. 242; p. 884.
- Book-rest. J. J. Sleeper. No. 1,235,070; July 31; v. 240; p. 1286.
- Book-rest. C. A. S. Tayte. No. 1,220,705; Mar. 27; v. 236; p. 1086.
- Book, Separable-leaf sample-. W. J. Foster. No. 1,247,104; Nov. 20; v. 244; p. 650.
- Book-stack. H. P. and A. S. Macdonald. No. 1,251,072; Dec. 25; v. 245; p. 892.
- Book-stub holder, Check-. M. P. Exline. No. 1,222,375; Apr. 10; v. 237; p. 513.
- Book-support. G. Drews. No. 1,245,206; Nov. 6; v. 244; p. 19.
- Book-support. A. P. Dunmar. No. 1,245,890; Nov. 6; v. 244; p. 226.
- Book-support. E. Riebe. No. 1,232,089; July 3; v. 240; p. 188.
- Book-supporting stand. C. E. Rice. No. 1,244,373; Oct. 23; v. 243; p. 1012.
- Book-trimming machines, Book-pad adjuster for automatic. J. Rowe. No. 1,213,266; Jan. 23; v. 234; p. 1098.
- Book-trimming machines, Feed attachment for automatic. J. Rowe. No. 1,213,265; Jan. 23; v. 234; p. 1097.
- Books, Apparatus for use in the manufacture of. A. Von Auw. No. 1,250,728; Dec. 18; v. 245; p. 741.
- Books, Back-frame for loose-leaf. R. G. Whitlock. No. 1,241,692; Oct. 2; v. 243; p. 72.
- Books, Binding for. F. Reuter. No. 1,224,667; May 1; v. 238; p. 197.
- Books, Flexible binder-post for loose-leaf. H. C. Miller. No. 1,247,438; Nov. 20; v. 244; p. 745.
- Books, Making. O. E. Schaefer. No. 1,219,589; Mar. 20; v. 236; p. 658.
- Books or the like, Machine for fumigating or disinfecting. W. H. Wagner. No. 1,248,211; Nov. 27; v. 244; p. 999.
- Books, &c., Stand or support for loose-leaf. W. H. Kidder. No. 1,223,075; Apr. 17; v. 237; p. 797.
- Books, &c., Stand or support for loose-leaf. A. G. Kupertz. No. 1,226,336; May 15; v. 238; p. 861.
- Books, Temporary leaf-holder for. A. W. Osterhout. No. 1,217,625; Feb. 27; v. 235; p. 1235.
- Bookbinding. J. G. Garels. No. 1,219,544; Mar. 20; v. 236; p. 643.
- Bookbinding. E. R. Richards. No. 1,235,382; July 31; v. 240; p. 1380.
- Bookbinding appliance. G. H. Jenkins. No. 1,215,160; Feb. 6; v. 235; p. 236.
- Bookbinding device. C. F. Hill. No. 1,212,352; Jan. 16; v. 234; p. 745.
- Bookbinding device. G. H. Jenkins. No. 1,235,322; July 31; v. 240; p. 1363.
- Bookbinding-machine. A. Bredenberg. No. 1,248,253; Nov. 27; v. 244; p. 1011.
- Bookbinding-machines, Evener-board for. C. F. McBee. No. 1,231,765; July 3; v. 240; p. 77.
- Bookbinding, Rounding and backing machine for. J. L. C. Mercer. No. 1,237,537; Aug. 21; v. 241; p. 716.
- Bookcase, Knockdown. E. C. Lawton. No. 1,216,465; Feb. 20; v. 235; p. 788.
- Bookcase, Revolving. T. C. Drury. No. 1,224,083; Apr. 24; v. 237; p. 1178.
- Bookkeeping, Apparatus for teaching. S. A. Ellis. No. 1,234,743; July 31; v. 240; p. 1186.
- Bookkeeping-machine. J. R. Peirce. No. 1,219,766; Mar. 20; v. 236; p. 719.
- Bookkeeping-machine. J. R. Peirce. No. 1,233,699; July 17; v. 240; p. 781.
- Boomerang. W. H. V. Shrum. No. 1,245,279; Nov. 6; v. 244; p. 41.
- Boot. A. E. Archambeau. No. 1,250,940; Dec. 25; v. 245; p. 854.
- Boot. M. Larson. No. 1,223,804; Apr. 24; v. 237; p. 1084.
- Boot and shoe cementing machine. W. D. Baker. No. 1,216,539; Feb. 20; v. 235; p. 814.
- Boot and shoe trees, Forepart for. O. J. Howe. No. 1,231,359; June 26; v. 239; p. 1123.
- Boot and shoe uppers, Method and apparatus for forming. L. M. Brown. No. 1,235,651; Aug. 7; v. 241; p. 40.
- Boot-leg-turning machine. F. Ricks. No. 1,246,323; Nov. 13; v. 244; p. 383.
- Boot or shoe. J. Lemieux. No. 1,216,579; Feb. 20; v. 235; p. 829.
- Boot or shoe. P. T. MacGown. No. 1,246,630; Nov. 13; v. 244; p. 477.
- Boot or shoe. L. Murr. No. 1,247,313; Nov. 20; v. 244; p. 709.
- Boot or shoe. J. W. Saffold. No. 1,219,165; Mar. 13; v. 236; p. 481.
- Boot or shoe and manufacturing same, Rubber. R. B. Price. No. 1,211,962; Jan. 9; v. 234; p. 582.
- Boot or shoe, Rubber. T. E. La Fayette. No. 1,249,639; Dec. 11; v. 245; p. 380.
- Boot or shoe, Ventilated. E. M. D. Carollin. No. 1,211,542; Jan. 9; v. 234; p. 434.

Alphabetical list of inventions—Continued.

- Boot repairer, Rubber-. C. F. Dilks. No. 1,238,648; Aug. 28; v. 241; p. 1106.
 Boot-tree. T. G. Gilbertson. No. 1,232,529; July 10; v. 240; p. 364.
 Boot-tree. N. E. Raber. No. 1,217,499; Feb. 27; v. 235; p. 1189.
 Boots and shoes, Arch-supporter for. S. H. Boyajian. No. 1,242,317; Oct. 9; v. 243; p. 810.
 Boots and shoes, Machine for operating upon. C. E. Graham. No. 1,238,133; Aug. 28; v. 241; p. 939.
 Boots and shoes, Machine for use in the manufacture of. F. M. Furber. No. 1,212,203; Jan. 16; v. 234; p. 690.
 Boots and shoes, Marginal strip for. H. Holden. No. 1,250,459; Dec. 18; v. 245; p. 660.
 Boots and shoes, Roll for operating upon. W. H. Burke. No. 1,217,405; Feb. 27; v. 235; p. 1153.
 Boots and shoes, Stiffening parts of. F. Schwartz. No. 1,215,875; Feb. 13; v. 235; p. 526.
 Boots and shoes, Toe portion of. J. E. Traver. No. 1,245,534; Nov. 6; v. 244; p. 119.
 Boots and shoes, Tread-surface for. J. D. Prince. No. 1,226,247; May 15; v. 238; p. 828.
 Boots and shoes, Wiring or binding the ends of lasted. A. Perri. No. 1,237,549; Aug. 21; v. 241; p. 720.
 Booth. T. A. De Vilbiss. No. 1,229,046; June 5; v. 239; p. 225.
 Booth, Telephone or other. H. E. Van Orden. No. 1,211,790; Jan. 9; v. 234; p. 517.
 Bore-holes, Apparatus for ascertaining the direction of. C. L. Carlson and G. Bergström. No. 1,239,351; Sept. 4; v. 242; p. 202.
 Bore-holes charged with blasting compounds, Means for tamping. W. Weber. No. 1,218,140; Mar. 6; v. 236; p. 88.
 Bore-holes, Declination-recorder for. F. Neuroth. No. 1,215,840; Feb. 13; v. 235; p. 514.
 Boring and drilling machine. H. M. Brightman. No. 1,219,803; Mar. 20; v. 236; p. 733.
 Boring and general-use machine. W. R. Cary. No. 1,244,449; Oct. 23; v. 243; p. 1035.
 Boring and grinding tool. C. H. Scholer. No. 1,226,388; May 15; v. 238; p. 877.
 Boring apparatus. U. Thompson, Jr. No. 1,238,362; Aug. 28; v. 241; p. 1014.
 Boring axially-curved holes, Device for. F. A. Close. No. 1,223,938; Apr. 24; v. 237; p. 1129.
 Boring-bar. H. Austin. No. 1,241,073; Sept. 25; v. 242; p. 839.
 Boring-bar. R. W. Mewes. No. 1,217,481; Feb. 27; v. 235; p. 1181.
 Boring-bar. J. Van Der Vorn. No. 1,232,411; July 3; v. 240; p. 290.
 Boring-bar, Expansion. E. P. Mertes. No. 1,233,683; July 17; v. 240; p. 776.
 Boring-bar for use in the manufacture of ammunition-shells or the like. J. W. Barnes. No. 1,225,745; May 15; v. 238; p. 657.
 Boring-cutter. C. L. Dixon. No. 1,230,569; June 19; v. 239; p. 821.
 Boring-drill, Roller. C. E. Reed. No. 1,236,983; Aug. 14; v. 241; p. 502.
 Boring-drill, Rotary. H. R. Hughes. No. 1,231,159; June 26; v. 239; p. 1058.
 Boring-drill, Rotary. H. R. Hughes. No. 1,238,407; Aug. 28; v. 241; p. 1029.
 Boring-drill, Rotary. H. R. Hughes. No. 1,245,462; Nov. 6; v. 244; p. 96.
 Boring-drill, Rotary. H. R. Hughes. No. 1,247,839; Nov. 27; v. 244; p. 896.
 Boring drill, Well-. C. E. Reed. No. 1,236,982; Aug. 14; v. 241; p. 502.
 Boring-head. H. A. Pedrick. No. 1,230,020; June 12; v. 239; p. 599.
 Boring-machine. H. Hanson. No. 1,228,110; May 29; v. 238; p. 1522.
 Boring-machine. E. J. Rollings. No. 1,230,034; June 12; v. 239; p. 604.
 Boring-machine, Automatic. D. L. Calahan. No. 1,219,078; Mar. 13; v. 236; p. 452.
 Boring-machines, Tapping attachment for. B. W. Brander. No. 1,224,596; May 1; v. 238; p. 172.
 Boring mechanism. W. H. Cowell. No. 1,220,399; Mar. 27; v. 236; p. 981.
 Boring metals or other hard substances, Appliance for. H. Austin. No. 1,226,164; May 15; v. 238; p. 799.
 Boring-rigs, Rope-guard for. J. Tomsany. No. 1,237,414; Aug. 21; v. 241; p. 677.
 Boring square holes, Bit for. W. H. Smith. No. 1,241,294; Sept. 25; v. 242; p. 912.
 Boring-tool. E. Gairing. No. 1,214,773; Feb. 6; v. 235; p. 101.
 Boring-tool. H. Schneekloth. No. 1,233,813; July 17; v. 240; p. 816.
 Boring-tool. E. J. H. Thiemer. No. 1,251,133; Dec. 25; v. 245; p. 910.
 Boring-tool. J. Van Der Vorn. No. 1,251,139; Dec. 25; v. 245; p. 912.
 Boring-tool. J. Van Der Vorn. No. 1,251,140; Dec. 25; v. 245; p. 912.
 Boring-tool holder. G. Amborn. No. 1,217,895; Mar. 6; v. 236; p. 3.
 Boring-tools, Adjustable holder for. B. Borjeson. No. 1,233,174; July 10; v. 240; p. 574.
 Bosses on metal blades, Forming. G. F. Hutchins. No. 1,220,748; Mar. 27; v. 236; p. 701.
 Bottle. B. S. Alsop. No. 1,223,351; Apr. 24; v. 237; p. 923.
 Bottle. E. Greene. No. 1,211,934; Jan. 9; v. 234; p. 571.
 Bottle. E. Greene. (Reissue.) No. 14,382; Oct. 23; v. 243; p. 1040.
 Bottle. J. C. Hill. No. 1,220,988; Mar. 27; v. 236; p. 1180.
 Bottle. L. A. Maiden. No. 1,240,072; Sept. 11; v. 242; p. 455.
 Bottle. J. F. Scypinski. No. 1,223,207; Apr. 17; v. 237; p. 842.
 Bottle and cap. G. A. Williams. No. 1,214,734; Feb. 6; v. 235; p. 89.
 Bottle and jar closure. J. Heberling. No. 1,244,088; Oct. 23; v. 243; p. 928.
 Bottle and mail receptacle, Safety milk-. S. Sala. No. 1,218,477; Mar. 6; v. 236; p. 203.
 Bottle and nipple therefor, Vacuum nursing-. J. N. Kline. No. 1,221,335; Apr. 3; v. 237; p. 118.
 Bottle and similar receptacle, Milk-. W. M. Decker. No. 1,225,017; May 8; v. 238; p. 368.
 Bottle and similar receptacle, Milk-. W. M. Decker. No. 1,236,273; Aug. 7; v. 241; p. 239.
 Bottle and storage-battery filler, Distilled-water. R. W. Harvey. No. 1,223,971; Apr. 24; v. 237; p. 1140.
 Bottle and syringe, Combination water-. R. I. Parks. No. 1,230,318; June 19; v. 239; p. 737.
 Bottle, Antirefiable. A. I. Schall. No. 1,217,509; Feb. 27; v. 235; p. 1193.
 Bottle, Antirefiling. F. H. Chapman. No. 1,244,423; Oct. 23; v. 243; p. 1027.
 Bottle appliance, Milk-. C. W. Skiff. No. 1,242,994; Oct. 16; v. 243; p. 560.
 Bottle attachment, Ink-. H. H. Euverard. No. 1,238,653; Aug. 28; v. 241; p. 1108.
 Bottle-blowing machine. J. W. Lynch. No. 1,232,703; July 10; v. 240; p. 419.
 Bottle-blowing machine. J. Mainzer. No. 1,232,353; July 3; v. 240; p. 272.
 Bottle-blowing machines, Neck-mold for. F. O'Neill. No. 1,231,188; June 26; v. 239; p. 1067.
 Bottle-bracket. C. W. Crum. No. 1,215,495; Feb. 13; v. 235; p. 387.
 Bottle bracket, Nursing-. P. D. Keenan. No. 1,232,690; July 10; v. 240; p. 416.
 Bottle-cap. T. S. Bell. No. 1,214,746; Feb. 6; v. 235; p. 93.
 Bottle-cap. A. L. Bernardin. No. 1,244,412; Oct. 23; v. 243; p. 1025.
 Bottle-cap. A. L. Bernardin. No. 1,244,413; Oct. 23; v. 243; p. 1025.
 Bottle-cap. V. R. Doncaster. No. 1,231,508; June 26; v. 239; p. 1172.
 Bottle-cap. C. W. Dudley. No. 1,239,261; Sept. 4; v. 242; p. 174.
 Bottle-cap. J. F. McDonnell. No. 1,233,896; July 17; v. 240; p. 844.
 Bottle-cap. C. E. O'Malley. No. 1,240,767; Sept. 18; v. 242; p. 711.
 Bottle-cap. F. E. Walden. No. 1,250,534; Dec. 18; v. 245; p. 683.
 Bottle-cap. E. V. White. No. 1,239,238; Sept. 4; v. 242; p. 167.
 Bottle cap and stopper. J. T. Dwyer. No. 1,237,761; Aug. 21; v. 241; p. 789.
 Bottle-cap-coating machine. F. Meisel. No. 1,224,768; May 1; v. 238; p. 232.
 Bottle-cap corks, Cover for. R. G. Koch. No. 1,238,156; Aug. 28; v. 241; p. 946.
 Bottle-cap, Manually-removable. P. Finkelstein. No. 1,238,902; Sept. 4; v. 242; p. 59.
 Bottle cap, Milk-. J. E. Hill. No. 1,228,775; June 5; v. 239; p. 137.
 Bottle-cap puller. J. A. Ekelund. No. 1,240,833; Sept. 25; v. 242; p. 766.
 Bottle-cap remover. F. J. Kristofek. No. 1,233,483; July 17; v. 240; p. 710.
 Bottle-cap remover. W. O'Neill. No. 1,212,389; Jan. 16; v. 234; p. 758.
 Bottle-cap remover. J. R. Schultz. No. 1,219,047; Mar. 13; v. 236; p. 442.
 Bottle-cap-retaining device, Milk-. P. N. Fretwell. No. 1,215,923; Feb. 13; v. 235; p. 543.
 Bottle-cap, Sanitary. A. Segall. No. 1,213,959; Jan. 30; v. 234; p. 1367.
 Bottle-cap, Sanitary. O. Westover. No. 1,237,228; Aug. 14; v. 241; p. 578.
 Bottle-caps, Facing material for cork or other disks for. C. E. McManus. No. 1,213,926; Jan. 30; v. 234; p. 1355.
 Bottle-caps, Formation of. C. Hammer. No. 1,241,509; Oct. 2; v. 243; p. 11.
 Bottle-capper. J. J. Illian. No. 1,215,812; Feb. 13; v. 235; p. 503.
 Bottle-capping device. J. A. Gwinner. No. 1,218,550; Mar. 6; v. 236; p. 228.
 Bottle-capping machine. L. A. Arnstein. No. 1,251,166; Dec. 25; v. 245; p. 920.
 Bottle-capping machine. H. E. Asbury. No. 1,245,658; Nov. 6; v. 244; p. 157.
 Bottle-capping machine. H. A. Beyer. No. 1,249,003; Dec. 4; v. 245; p. 167.

- Bottle-capping machine. L. R. N. Carvalho. No. 1,249,025; Dec. 4; v. 245; p. 173.
- Bottle-capping machine. T. O'Brien. No. 1,241,141; Sept. 25; v. 242; p. 861.
- Bottle-capping machine. G. Strandt. No. 1,221,105; Apr. 3; v. 237; p. 35.
- Bottle-carrier. T. M. Morgan. No. 1,228,348; May 29; v. 238; p. 1598.
- Bottle-carrier. W. I. Sherwood. No. 1,236,610; Aug. 14; v. 241; p. 379.
- Bottle-carrier. A. M. Snyder. No. 1,225,069; May 8; v. 238; p. 385.
- Bottle carrier and conveyer. B. E. Linfoot. No. 1,242,825; Oct. 9; v. 243; p. 472.
- Bottle-case. B. T. Webb. No. 1,240,520; Sept. 18; v. 242; p. 636.
- Bottle case, Milk-. R. A. Waldman. No. 1,220,301; Mar. 27; v. 236; p. 946.
- Bottle-casing. I. McIntyre. No. 1,241,640; Oct. 2; v. 243; p. 56.
- Bottle-cleaning device. F. C. Altpeter. No. 1,213,445; Jan. 23; v. 234; p. 1161.
- Bottle-cleaning machine, Revolving. A. A. Pindstoffe. No. 1,246,460; Nov. 13; v. 244; p. 425.
- Bottle-closure. A. F. Foss. No. 1,229,436; June 12; v. 239; p. 407.
- Bottle-closure. H. M. Gray. No. 1,223,867; Apr. 24; v. 237; p. 1105.
- Bottle-closure. F. Hachmann. No. 1,214,026; Jan. 30; v. 234; p. 1391.
- Bottle-closure. J. M. W. Kitchen. No. 1,224,649; May 1; v. 238; p. 190.
- Bottle-closure. H. W. Spangier. No. 1,239,836; Sept. 11; v. 242; p. 385.
- Bottle-closure attachment. S. T. Whitaker. No. 1,245,292; Nov. 6; v. 244; p. 45.
- Bottle-closures, Machine for the manufacture of. A. Bogdanffy and J. Alberti. No. 1,245,180; Nov. 6; v. 244; p. 11.
- Bottle-closures, Machine for the manufacture of. A. Bogdanffy. No. 1,249,714; Dec. 11; v. 245; p. 402.
- Bottle-closures, Manufacturing. J. Alberti. No. 1,234,109; July 24; v. 240; p. 947.
- Bottle container, Milk-. W. Sturges. No. 1,227,214; May 22; v. 238; p. 1191.
- Bottle container, Safety milk-. T. Moore. No. 1,237,676; Aug. 21; v. 241; p. 761.
- Bottle-conveyer. W. Wachs and R. L. Gallup. No. 1,213,308; Jan. 23; v. 234; p. 1114.
- Bottle-cover and advertising device. P. Bimeler. No. 1,246,385; Nov. 13; v. 244; p. 403.
- Bottle, Dosage-. B. L. Feiner. No. 1,233,656; July 17; v. 240; p. 768.
- Bottle filling and capping apparatus. J. C. Miller. No. 1,225,349; May 8; v. 238; p. 482.
- Bottle filling and capping machine. E. E. Winkley. No. 1,216,036; Feb. 13; v. 235; p. 584.
- Bottle-filling apparatus. A. Pinnola. No. 1,222,463; Apr. 10; v. 237; p. 544.
- Bottle-filling apparatus. F. L. Shelor. No. 1,232,105; July 3; v. 240; p. 192.
- Bottle-filling machine. W. J. Beals. No. 1,242,313; Oct. 9; v. 243; p. 309.
- Bottle-filling machine. C. A. Youngman. No. 1,211,027; Jan. 2; v. 234; p. 226.
- Bottle guard, Poison-. H. Metcalfe. No. 1,214,938; Feb. 6; v. 235; p. 160.
- Bottle-handling apparatus. H. J. Chilton. No. 1,244,701; Oct. 30; v. 243; p. 1150.
- Bottle-holder. C. A. Ffley. No. 1,243,500; Oct. 16; v. 243; p. 713.
- Bottle-holder. E. G. George. No. 1,217,087; Feb. 20; v. 235; p. 999.
- Bottle-holder. L. C. Hauck. No. 1,236,929; Aug. 14; v. 241; p. 484.
- Bottle-holder. H. Kennell. No. 1,227,451; May 22; v. 238; p. 1267.
- Bottle-holder. C. Klauberg. No. 1,239,109; Sept. 4; v. 242; p. 125.
- Bottle-holder. L. Solem. No. 1,228,612; June 5; v. 239; p. 81.
- Bottle-holder. J. A. Swanson. No. 1,222,486; Apr. 10; v. 237; p. 552.
- Bottle holder, Adjustable nursing-. F. H. Schumacher. No. 1,222,246; Apr. 10; v. 237; p. 468.
- Bottle-holder and ink-feeder, Combined. E. L. Stocking. No. 1,227,977; May 29; v. 238; p. 1478.
- Bottle holder and lock. A. J. Krekeler. No. 1,250,191; Dec. 18; v. 245; p. 580.
- Bottle holder, Milk-. C. Auer. No. 1,233,163; July 10; v. 240; p. 570.
- Bottle holder, Milk-. A. Cipri. No. 1,249,330; Dec. 11; v. 245; p. 292.
- Bottle holder, Milk-. C. M. Davis and M. J. Loomis. No. 1,226,192; May 15; v. 238; p. 809.
- Bottle holder, Milk-. M. H. Grob. No. 1,244,050; Oct. 23; v. 243; p. 917.
- Bottle holder, Milk-. E. M. Summerhays. No. 1,232,867; July 10; v. 240; p. 474.
- Bottle holder, Nursing-. C. H. Ott. No. 1,220,266; Mar. 27; v. 236; p. 932.
- Bottle holder, Safety milk-. L. Poltronieri. No. 1,237,217; Aug. 14; v. 241; p. 574.
- Bottle holding and locking device. M. J. Trumble. No. 1,227,220; May 22; v. 238; p. 1193.
- Bottle-holding device. A. F. Erickson. No. 1,222,086; Apr. 10; v. 237; p. 409.
- Bottle, Hot-water. A. S. Campbell. No. 1,239,350; Sept. 4; v. 242; p. 202.
- Bottle, Indicating-. W. C. Schmidt. No. 1,228,832; June 5; v. 239; p. 156.
- Bottle indicator, Milk-. H. K. Royer and W. S. Bowen. No. 1,233,404; July 17; v. 240; p. 684.
- Bottle indicator, Poison-. W. H. Kettler. No. 1,245,736; Nov. 6; v. 244; p. 179.
- Bottle indicator, Poison-. A. E. Longabaugh. No. 1,224,393; May 1; v. 238; p. 100.
- Bottle indicator, Poison-. R. M. Page. No. 1,213,130; Jan. 16; v. 234; p. 1017.
- Bottle, Ink-. I. Lautman. No. 1,219,011; Mar. 13; v. 236; p. 431.
- Bottle, Ink-. E. C. Smaw. No. 1,227,209; May 22; v. 238; p. 1190.
- Bottle, Liquid dispensing and filtering. H. E. Schulse. No. 1,228,837; June 5; v. 239; p. 158.
- Bottle-making machines, Lift-out for. J. J. Meyer, Jr., and J. G. Lepper. No. 1,211,611; Jan. 9; v. 234; p. 456.
- Bottle, Milk-testing. I. H. Kendall. No. 1,221,455; Apr. 3; v. 237; p. 159.
- Bottle-molds, Apparatus for milling. A. R. Bethel. No. 1,219,227; Mar. 13; v. 236; p. 503.
- Bottle, Mucilage-. C. M. Siever. No. 1,226,821; May 22; v. 238; p. 1058.
- Bottle-neck mold-roll apparatus. S. Schiff. No. 1,226,700; May 22; v. 238; p. 1015.
- Bottle, Non-refillable. W. J. Beisel. No. 1,241,810; Oct. 2; v. 243; p. 109.
- Bottle, Non-refillable. W. J. Beisel. No. 1,241,811; Oct. 2; v. 243; p. 109.
- Bottle, Non-refillable. C. Berg. No. 1,220,592; Mar. 27; v. 236; p. 1049.
- Bottle, Non-refillable. M. L. Burke. No. 1,242,136; Oct. 9; v. 243; p. 254.
- Bottle, Non-refillable. F. Q. Cuesta. No. 1,229,895; June 12; v. 239; p. 561.
- Bottle, Non-refillable. G. E. Hager. No. 1,215,798; Feb. 13; v. 235; p. 497.
- Bottle, Non-refillable. H. Kraut. No. 1,214,324; Jan. 30; v. 234; p. 1495.
- Bottle, Non-refillable. S. Lazarus. No. 1,214,329; Jan. 30; v. 234; p. 1496.
- Bottle, Non-refillable. J. B. Mars and N. Stramaglia. No. 1,239,803; Sept. 11; v. 242; p. 374.
- Bottle, Non-refillable. F. A. Mertz. No. 1,216,343; Feb. 20; v. 235; p. 744.
- Bottle, Non-refillable. F. C. Murray. No. 1,223,720; Apr. 24; v. 237; p. 1054.
- Bottle, Non-refillable. S. Narunsky. No. 1,216,837; Feb. 20; v. 235; p. 916.
- Bottle, Non-refillable. S. Narunsky. No. 1,227,648; May 29; v. 238; p. 1363.
- Bottle, Non-refillable. J. N. G. Nesbit. No. 1,243,965; Oct. 23; v. 243; p. 891.
- Bottle, Non-refillable. E. M. Pine. No. 1,222,889; Apr. 17; v. 237; p. 734.
- Bottle, Non-refillable. J. Pinson. No. 1,232,967; July 10; v. 240; p. 507.
- Bottle, Non-refillable. J. H. Plaisted. No. 1,220,361; Mar. 27; v. 236; p. 967.
- Bottle, Non-refillable. J. R. Russell. No. 1,249,834; Dec. 11; v. 245; p. 438.
- Bottle, Non-refillable. W. W. Shaw. No. 1,251,429; Dec. 25; v. 245; p. 997.
- Bottle, Non-refillable. A. C. Smith. No. 1,226,822; May 22; v. 238; p. 1058.
- Bottle, Non-refillable. S. Sumich. No. 1,224,231; May 1; v. 238; p. 41.
- Bottle, Non-refillable. J. C. Uhlein. No. 1,210,728; Jan. 2; v. 234; p. 121.
- Bottle, Non-refillable. W. Wozny and P. Husak. No. 1,248,774; Dec. 4; Gaz. vol. 245; p. 103.
- Bottle, Non-refillable and self-closing. A. J. Hitchcock. No. 1,215,023; Feb. 6; v. 235; p. 191.
- Bottle-opener. L. W. Bolick. No. 1,240,657; Sept. 18; v. 242; p. 677.
- Bottle-opener. C. S. Brown. No. 1,248,608; Dec. 4; v. 245; p. 54.
- Bottle-opener. R. B. Cochrane. No. 1,247,507; Nov. 20; v. 244; p. 765.
- Bottle-opener. T. H. Low. No. 1,214,802; Feb. 6; v. 235; p. 110.
- Bottle or the like stopper. J. Allen. No. 1,216,045; Feb. 13; v. 235; p. 588.
- Bottle receptacle, Milk-. J. Hoey. No. 1,229,268; June 12; v. 239; p. 350.
- Bottle receptacle, Milk-. T. P. Sealalla. No. 1,236,214; Aug. 7; v. 241; p. 222.
- Bottle-safe. W. F. Focha. No. 1,217,430; Feb. 27; v. 235; p. 1164.
- Bottle safety-receptacle, Milk-. A. Schaffer. No. 1,228,057; May 29; v. 238; p. 1504.
- Bottle-sealing cap. F. E. Andersen. No. 1,242,510; Oct. 9; v. 243; p. 370.
- Bottle-sealing machine. A. H. Braecklein. No. 1,245,561; Nov. 6; v. 244; p. 127.

Alphabetical list of inventions—Continued.

- Bottle-securing device, Milk-. P. Goodrow. No. 1,216,110; Feb. 13; v. 235; p. 611.
- Bottle-soaking machine. R. F. Beutlich. No. 1,234,611; July 24; v. 240; p. 1110.
- Bottle-stopper. L. G. Abbott. No. 1,212,871; Jan. 16; v. 234; p. 927.
- Bottle-stopper. G. H. Brown. No. 1,247,497; Nov. 20; v. 244; p. 762.
- Bottle-stopper. A. L. Currey. No. 1,233,757; July 17; v. 240; p. 798.
- Bottle-stopper. J. D. Karle. No. 1,214,550; Feb. 6; v. 235; p. 24.
- Bottle-stopper. T. C. Spelling. No. 1,216,005; Feb. 13; v. 235; p. 572.
- Bottle-stopper. H. F. Stock and J. Nader. No. 1,240,383; Sept. 18; v. 242; p. 593.
- Bottle-stopper, Antifilling. M. S. Finkelstein. No. 1,216,428; Feb. 20; v. 235; p. 776.
- Bottle-stopper, Automatic. J. M. Howlett. No. 1,217,093; Feb. 20; v. 235; p. 1001.
- Bottle-stopper blank. L. N. Bruner. No. 1,232,765; July 10; v. 240; p. 441.
- Bottle-stopper fastener. C. F. Thatcher. No. 1,240,511; Sept. 18; v. 242; p. 633.
- Bottle stopper, Ink-. J. W. Fost. No. 1,241,947; Oct. 2; v. 243; p. 152.
- Bottle stopper, Nursing. F. S. Richards. No. 1,250,658; Dec. 18; v. 245; p. 719.
- Bottle-stopper, Wood. J. Neumann. No. 1,247,864; Nov. 27; v. 244; p. 902.
- Bottle-stoppers, Machine for applying. J. H. Gruver. No. 1,212,209; Jan. 16; v. 234; p. 692.
- Bottle-stoppering machine. H. M. Brown. No. 1,235,429; July 31; v. 240; p. 1393.
- Bottle top, Milk-. G. Wieber. No. 1,224,251; May 1; v. 238; p. 49.
- Bottle, Vacuum-. F. E. Carlson. No. 1,219,246; Mar. 13; v. 236; p. 509.
- Bottle-vent. V. I. Moser. No. 1,243,963; Oct. 23; v. 243; p. 890.
- Bottle-washer. J. R. Dostal. No. 1,227,594; May 29; v. 238; p. 1344.
- Bottle-washer. C. Hamann. No. 1,241,508; Oct. 2; v. 243; p. 11.
- Bottle washing and sterilizing machine. J. C. Miller. No. 1,234,373; July 24; v. 240; p. 1035.
- Bottle-washing apparatus. J. W. Dawson. No. 1,212,747; Jan. 16; v. 234; p. 887.
- Bottle-washing apparatus. J. S. McDaniel. No. 1,217,887; Feb. 27; v. 235; p. 1322.
- Bottle-washing machine. J. Baenninger. No. 1,232,175; July 3; v. 240; p. 215.
- Bottle-washing machine. I. Cole. No. 1,214,278; Jan. 30; v. 234; p. 1477.
- Bottle-washing machine. J. W. Dawson. No. 1,212,459; Jan. 16; v. 234; p. 783.
- Bottle-washing machine. J. A. Johnson. No. 1,210,484; Jan. 2; v. 234; p. 37.
- Bottle-washing machine. J. T. Lally. No. 1,242,817; Oct. 9; v. 243; p. 469.
- Bottle-washing machine. T. J. Lampe. No. 1,225,653; May 8; v. 238; p. 582.
- Bottle-washing machine. A. J. Rice. No. 1,216,496; Feb. 20; v. 235; p. 799.
- Bottle-washing machine. W. Wachs and R. L. Gallup. No. 1,213,307; Jan. 23; v. 234; p. 1113.
- Bottle-wrapping machine. R. M. Nichols. No. 1,245,952; Nov. 6; v. 244; p. 244.
- Bottles and like receptacles, Metal top for. A. L. Edwards. No. 1,214,523; Feb. 6; v. 235; p. 14.
- Bottles and like receptacles, Stoppering means for. A. M. Low. No. 1,232,061; July 3; v. 240; p. 178.
- Bottles and the like with capsules, Machine for closing. A. J. L. Lassen. No. 1,224,937; May 8; v. 238; p. 341.
- Bottles and other containers, Closure for. T. C. Spelling. No. 1,249,540; Dec. 11; v. 245; p. 352.
- Bottles and similar articles, Mechanism for feeding. E. H. Weatherhead and T. H. Schutt. No. 1,250,256; Dec. 18; v. 245; p. 600.
- Bottles, jars, and other receptacles, Closure for. G. E. Stahl. No. 1,215,737; Feb. 13; v. 235; p. 476.
- Bottles, jars, and other receptacles, Sealing-closure for. W. E. Heath. No. 1,214,675; Feb. 6; v. 235; p. 68.
- Bottles, jars, and other vessels, Closure for. E. C. Miller. No. 1,221,350; Apr. 3; v. 237; p. 123.
- Bottles, Ac. Machine for the manufacture of glass. J. H. Steele. No. 1,234,406; July 24; v. 240; p. 1046.
- Bottles or jars, Closure for milk and cream. J. G. Roehm. Jr. No. 1,242,045; Oct. 2; v. 243; p. 182.
- Bottles or the like to an annealing-oven, Apparatus for transferring. C. Brauer. No. 1,226,633; May 22; v. 238; p. 994.
- Bottles, Safety depository for milk-. M. Caggiano. No. 1,240,303; Sept. 18; v. 242; p. 569.
- Bottles, Valve for filling. C. S. Adams. (Reissue.) No. 1,400; Dec. 4; v. 245; p. 251.
- Bottling-machine. G. A. and M. Hendrickson. No. 1,237,038; Aug. 14; v. 241; p. 520.
- Bottling-machine. A. Welling. No. 1,232,137; July 3; v. 240; p. 204.
- Bottling-machines, Drainage-platform for. T. A. Pacetty. No. 1,247,141; Nov. 20; v. 244; p. 660.
- Bottling-machines, Feeding mechanism for. J. H. Champ. No. 1,234,729; July 31; v. 240; p. 1181.
- Bouquet holder, Corsage-. E. Lewy. No. 1,210,957; Jan. 2; v. 234; p. 200.
- Bow guide. L. Mollenhauer. No. 1,228,949; June 5; v. 239; p. 194.
- Bow-rest. H. G. Hancock. No. 1,223,275; Apr. 17; v. 237; p. 862.
- Bow-rest. V. G. McBrayer. No. 1,220,522; Mar. 27; v. 236; p. 1024.
- Bow rest and clamping device. O. E. Eschliman. No. 1,246,731; Nov. 13; v. 244; p. 504.
- Bow rest and clamping device. H. B. White. No. 1,218,966; Mar. 13; v. 236; p. 414.
- Bow rest and clamping device. H. B. White. No. 1,220,306; Mar. 27; v. 236; p. 947.
- Bow rest and clamping device. H. B. White. No. 1,222,057; Apr. 10; v. 237; p. 399.
- Bow rest and clamping device. H. B. White. No. 1,226,287; May 15; v. 238; p. 845.
- Bow rest and clamping device. H. B. White. No. 1,233,541; July 17; v. 240; p. 729.
- Bow rest and clamping device. H. B. White. No. 1,238,234; Aug. 28; v. 241; p. 972.
- Bow rest and clamping device. H. B. White. No. 1,247,193; Nov. 20; v. 244; p. 675.
- Bows, Machine for making. J. Bricken. No. 1,224,268; May 1; v. 238; p. 55.
- Bowl or the like, Sugar-. F. Schreidt. No. 1,217,078; Feb. 20; v. 235; p. 996.
- Bowl, Sanitary toilet-. A. D. Grant. No. 1,211,137; Jan. 2; v. 234; p. 259.
- Bowl-support. W. E. Surface. No. 1,239,842; Sept. 11; v. 242; p. 387.
- Bowling-alley. G. E. Colman. No. 1,245,684; Nov. 6; v. 244; p. 165.
- Bowling apparatus. W. J. Powell. No. 1,224,322; May 1; v. 238; p. 75.
- Bowling-balls, Bushing for. J. H. Hill. No. 1,217,940; Mar. 6; v. 236; p. 19.
- Bowling-pin. O. J. Boldt. No. 1,214,126; Jan. 30; v. 234; p. 1424.
- Bowling-pin and making same. F. G. Crane. No. 1,227,248; May 22; v. 238; p. 1204.
- Bowling-pin setter. W. T. States and H. F. Lapp. No. 1,217,235; Feb. 27; v. 235; p. 1095.
- Bowling-pin-setting mechanism. A. Cameron. No. 1,211,405; Jan. 9; v. 234; p. 386.
- Box: See—
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| Alarm-box. | Jewelry-box. |
| Ballot-box. | Journal-box. |
| Berry-box. | Junction-box. |
| Blasting-box. | Junction or outlet box. |
| Boiler fire-box. | Knockdown box. |
| Bread-box. | Lamp-box. |
| Cable-box. | Letter-box. |
| Cigar-box. | Locomotive driving-box. |
| Cigarette-box. | Locomotive fire-box. |
| Cigarette and like box. | Locomotive smoke-box. |
| Cigarette and match box. | Lunch-box. |
| Cigarette-dispensing box. | Mail-box. |
| Circuit extension-box. | Mail and milk box. |
| Coin-box. | Match-box. |
| Collapsible box. | Mess and ice box. |
| Collecting-box. | Meter-box. |
| Compression-box. | Milk-box. |
| Conduit outlet-box. | Milk and bread box. |
| Connection-box. | Miter-box. |
| Core-box. | Mold-box. |
| Cream-box. | Novelty-box. |
| Day-by-day box. | Orchard-box. |
| Delivery-box. | Organ swell-box. |
| Display-box. | Outlet-box. |
| Driving-box. | Paint-box. |
| Egg-box. | Paper box. |
| Electric-conduit outlet-box. | Phonograph sound-box. |
| Electric contact-box. | Pin-box. |
| Electric cut-out box. | Plant-box. |
| Electric switch and fuse box. | Post-office box. |
| Fare-box. | Postal box. |
| Farrowing-box. | Powder-box. |
| Feed-box. | Powder and puff box. |
| File-box. | Rifle-box. |
| Filing-box. | Roadway-box. |
| Fire-box. | Round box. |
| Fire-alarm box. | Sand-setting box. |
| Fire-alarm signal-box. | Sealing-box. |
| Flower-box. | Service-box. |
| Flower and plant box. | Sheet-metal box. |
| Foldable box. | Shipping-box. |
| Folding box. | Shuttle-box. |
| Fruit or berry box. | Signal-box. |
| Fuel-box. | Sound-box. |
| Garment-box. | Steel box. |
| Graphophone-needle box. | Stereotype-casting box. |
| Gum-box. | Stuffing-box. |
| Hangar-box. | Stuffing or packing bearing-box. |
| Hat-box. | Suction-box. |
| Header-box. | Switch-box. |
| Herring-box. | Talking-machine sound-box. |
| Ice-box. | Terminal box. |
| Ink-pad box. | Tobacco-box. |
| Jewel-box. | |

- Box: See—
 Tobacco and match box. Vent-box.
 Toilet-box. Wagon-box.
 Tool-box. Wagon-box.
 Tote-box. Wardrobe seat-box.
 Utility-box. Window-box.
 Valve-box. Window-sill provision-box.
 Vanity-box. Wrapped box.
- Box. G. C. Babcock. No. 1,240,296; Sept. 18; v. 242; p. 566.
 Box. G. C. Babcock. No. 1,240,297; Sept. 18; v. 242; p. 566.
 Box. O. M. Babcock. No. 1,247,359; Nov. 20; v. 244; p. 722.
 Box. S. Bachmann. No. 1,218,353; Mar. 6; v. 236; p. 162.
 Box. W. S. Goodwillie. No. 1,234,152; July 24; v. 240; p. 962.
 Box. E. A. Hey. No. 1,233,471; July 17; v. 240; p. 706.
 Box. H. E. Hood. No. 1,214,464; Jan. 30; v. 234; p. 1539.
 Box. J. G. Huye. No. 1,249,097; Dec. 4; v. 245; p. 193.
 Box. J. G. Huye. No. 1,249,098; Dec. 4; v. 245; p. 194.
 Box. J. G. Huye. No. 1,249,099; Dec. 4; v. 245; p. 194.
 Box. C. H. Kors. No. 1,232,935; July 10; v. 240; p. 497.
 Box. G. Livingston. No. 1,224,391; May 1; v. 238; p. 99.
 Box. C. S. McMullin. No. 1,239,284; Sept. 4; v. 242; p. 181.
 Box. L. C. Palmer. No. 1,221,900; Apr. 10; v. 237; p. 346.
 Box. W. Pente. No. 1,250,348; Dec. 18; v. 245; p. 628.
 Box. M. F. Robison. No. 1,224,794; May 1; v. 238; p. 240.
 Box. J. W. Rodgers. No. 1,247,332; Nov. 20; v. 244; p. 714.
 Box. C. Springfels. No. 1,250,689; Dec. 18; v. 245; p. 729.
 Box. H. B. Walter. No. 1,238,601; Aug. 28; v. 241; p. 1092.
 Box. P. R. Warren. No. 1,217,375; Feb. 27; v. 235; p. 1143.
 Box. P. E. White. No. 1,219,610; Mar. 20; v. 236; p. 665.
 Box and plunger and blank registering mechanism. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,226,995; May 22; v. 238; p. 1118.
 Box and table, Combination. C. Schmitt. No. 1,236,012; Aug. 7; v. 241; p. 159.
 Box assembling and nailing machine. J. B. Kitch. No. 1,244,986; Oct. 30; v. 243; p. 1237.
 Box-blank machine, Wire-bound. J. J. Miller. No. 1,214,702; Feb. 6; v. 235; p. 78.
 Box-blank machine, Wire-bound. J. J. Miller. No. 1,248,418; Nov. 27; v. 244; p. 1057.
 Box-blank-making machine. K. I. Herman. No. 1,219,941; Mar. 20; v. 236; p. 781.
 Box-blank-folding table. J. K. Stewart. No. 1,213,812; Jan. 23; v. 234; p. 1287.
 Box-blanks, Machine for cutting and scoring. M. P. Daven. No. 1,235,293; July 31; v. 240; p. 1353.
 Box blanks, Making wire-bound. W. P. Healy. No. 1,248,414; Nov. 27; v. 244; p. 1056.
 Box-closure fastener. L. C. Davidson. No. 1,222,367; Apr. 10; v. 237; p. 510.
 Box construction. J. A. Lafore. No. 1,218,872; Mar. 13; v. 236; p. 383.
 Box construction. J. Melson. No. 1,216,587; Feb. 20; v. 235; p. 832.
 Box construction. J. A. Nones. No. 1,247,443; Nov. 20; v. 244; p. 746.
 Box-corner. J. J. Nero. No. 1,215,839; Feb. 13; v. 235; p. 513.
 Box-corner, Metal. I. M. Hescheles. No. 1,212,219; Jan. 16; v. 234; p. 696.
 Box-coupling. W. C. Clark. No. 1,248,423; Nov. 27; v. 244; p. 1058.
 Box-cover. M. R. Kondolf. No. 1,234,480; July 24; v. 240; p. 1069.
 Box-cover fastener. D. S. Trumbower. No. 1,217,668; Feb. 27; v. 235; p. 1250.
 Box-cover-shell-making machine. M. J. Milmo. No. 1,244,066; Oct. 23; v. 243; p. 921.
 Box-covering machine. J. W. Nasmith. No. 1,212,241; Jan. 16; v. 234; p. 704.
 Box cutter and trimmer. H. A. Dougall. No. 1,235,192; July 31; v. 240; p. 1322.
 Box-drying apparatus. M. Paridon. No. 1,217,990; Mar. 6; v. 236; p. 35.
 Box-ending machines, Safety device for. E. H. Taylor. No. 1,222,695; Apr. 17; v. 237; p. 668.
 Box-fastener. J. A. Deindoerfer, Jr. No. 1,227,590; May 29; v. 238; p. 1343.
 Box-fastener. S. E. Miller. No. 1,210,967; Jan. 2; v. 234; p. 204.
 Box-fastener. E. W. Stamm. No. 1,235,075; July 31; v. 240; p. 1288.
 Box-fastening. R. C. Cole. No. 1,234,133; July 24; v. 240; p. 955.
 Box-filler. C. H. Sears. No. 1,246,334; Nov. 13; v. 244; p. 387.
 Box-filling machine. J. C. Donnelly. No. 1,248,465; Dec. 4; v. 245; p. 11.
 Box-filling machines, Match-jarring mechanism for. M. Paridon. No. 1,248,538; Dec. 4; v. 245; p. 32.
 Box-folding machine. C. F. Raynaud. No. 1,230,516; June 19; v. 239; p. 802.
 Box for the transportation of eggs. H. Gregg. No. 1,238,662; Aug. 28; v. 241; p. 1110.
 Box handle attachment, Suit. J. Schuman. No. 1,239,130; Sept. 4; v. 242; p. 132.
 Box-handle, Detachable. E. S. Porter. No. 1,251,278; Dec. 25; v. 245; p. 952.
 Box-holder and supplemental display-lid. P. A. Becker. No. 1,214,502; Feb. 6; v. 235; p. 6.
 Box-lid holder or hanger. W. Tappe. No. 1,233,142; July 10; v. 240; p. 563.
 Box-lid, Supplemental. P. A. Becker. No. 1,244,163; Oct. 23; v. 243; p. 949.
 Box-lid support. F. L. Schaeffe. No. 1,245,986; Nov. 6; v. 244; p. 251.
 Box lids and bottoms, Apparatus for making and securing. W. R. Comings and E. J. Hall. No. 1,221,835; Apr. 10; v. 237; p. 322.
 Box-liner. C. Lile. No. 1,222,221; Apr. 10; v. 237; p. 458.
 Box-lining machine. W. H. Doble and G. A. Robinson. No. 1,247,238; Nov. 20; v. 244; p. 689.
 Box-loading machine. F. Rogers and B. E. Taylor. No. 1,247,722; Nov. 27; v. 244; p. 860.
 Box-lock. D. J. Richardson. No. 1,239,725; Sept. 11; v. 242; p. 350.
 Box, lock, and handle. C. Scudder. No. 1,232,102; July 3; v. 240; p. 192.
 Box lock and seal. S. B. Field. No. 1,247,251; Nov. 20; v. 244; p. 692.
 Box lock, Sheet-metal. V. H. Wattles and P. A. Reynolds. No. 1,214,731; Feb. 6; v. 235; p. 88.
 Box-making machine. J. Gell. No. 1,247,259; Nov. 20; v. 244; p. 694.
 Box-making machine. L. H. Morgridge. No. 1,214,814; Feb. 6; v. 235; p. 114.
 Box-making process and apparatus. M. R. Kondolf. No. 1,220,517; Mar. 27; v. 236; p. 1022.
 Box-nailing machine. E. C. Northrup. No. 1,226,907; May 22; v. 238; p. 1086.
 Box-nailing machines, Hooping or strapping attachment for. A. Bluege. No. 1,230,989; June 26; v. 239; p. 999.
 Box-opening device, Wrapped. B. Ruysdael. No. 1,221,911; Apr. 10; v. 237; p. 350.
 Box or can hook. E. S. Smith. No. 1,243,565; Oct. 16; v. 243; p. 731.
 Box or container. F. J. Hild. No. 1,237,781; Aug. 21; v. 241; p. 794.
 Box or crate, Folding. P. C. Flagstad and W. Sands. No. 1,219,289; Mar. 13; v. 236; p. 520.
 Box-panel. W. H. Doble. No. 1,228,760; June 5; v. 239; p. 131.
 Box-partitions, crates, or racks, Machine for making. A. Bluege. No. 1,235,646; Aug. 7; v. 241; p. 38.
 Box-plaiter. M. D. Dickman. No. 1,231,139; June 26; v. 239; p. 1051.
 Box-splints, veneers, shingles, &c., Machine for making. S. Carlin. No. 1,226,185; May 15; v. 238; p. 807.
 Box-staying machine. R. H. Ritter. No. 1,243,877; Oct. 23; v. 243; p. 865.
 Box-strap. P. J. Forbes. No. 1,220,835; Mar. 27; v. 236; p. 1131.
 Box-strapping. J. E. MacMurray. No. 1,235,353; July 31; v. 240; p. 1371.
 Box-topping machine. A. Parent. No. 1,220,540; Mar. 27; v. 236; p. 1030.
 Box-transferring mechanism for box or package transmission machines. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,239,819; Sept. 11; v. 242; p. 380.
 Box-wrapping machines, Third-stage treatment for. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,244,538; Oct. 30; v. 243; p. 1100.
 Boxes and similar receptacles, Manufacture of. W. G. Fiske. No. 1,216,791; Feb. 20; v. 235; p. 901.
 Boxes, Apparatus for wrapping extension-edge. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,244,539; Oct. 30; v. 243; p. 1101.
 Boxes, Handle and cover-opening appliance for. R. Fabrizio. No. 1,220,834; Mar. 27; v. 236; p. 1131.
 Boxes, &c., Machine for cutting holes in metallic panel. F. C. Johnson. No. 1,232,926; July 10; v. 240; p. 494.
 Boxes, Metal tiering and flap-retaining means for. J. C. Johnson. No. 1,241,633; Oct. 2; v. 243; p. 54.
 Boxes or the like, Cover for service. J. F. Hall. No. 1,224,534; May 1; v. 238; p. 150.
 Boxes, Sifting attachment for. E. O. De Vries. No. 1,227,121; May 22; v. 238; p. 1161.
 Boxes with gummed blanks, Side-turn-in wiper for wrapping the side edges of. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,244,540; Oct. 30; v. 243; p. 1101.
 Boxing and bearing. C. Tipton. No. 1,239,543; Sept. 11; v. 242; p. 291.

Alphabetical list of inventions—Continued.

- Boyle's law, Instrument for demonstrating. W. R. Ahrens. No. 1,220,808; Mar. 27; v. 236; p. 1121.
- Brace: *See*—
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| Athletic brace. | Heel-sweep brace. |
| Automobile-axle brace. | Leg-brace. |
| Axle-brace. | Post-brace. |
| Bit-brace. | Rail-brace. |
| Broom-brace. | Scenery-brace. |
| Chair-brace. | Shoulder-brace. |
| Coat-brace. | Steering-post brace. |
| Fender-brace. | Switch-brace. |
| Hand-brace. | |
- Brace and locking means for hinged or swinging parts. C. E. Sturgis. No. 1,213,969; Jan. 30; v. 234; p. 1370.
- Bracelet. J. Chabot. No. 1,215,776; Feb. 13; v. 235; p. 490.
- Bracelet. H. Ginnel. No. 1,224,528; May 1; v. 238; p. 148.
- Bracelet. A. Hadley. No. 1,224,921; May 8; v. 238; p. 335.
- Bracelet. J. C. O'Brien. No. 1,234,204; July 24; v. 240; p. 978.
- Bracelet. J. J. Schoeninger. No. 1,231,796; July 3; v. 240; p. 87.
- Bracelet. A. Schwartzman. No. 1,211,631; Jan. 9; v. 234; p. 462.
- Bracelet. C. B. Ware. No. 1,224,585; May 1; v. 238; p. 168.
- Bracelet-catch. A. Hadley. No. 1,228,018; May 29; v. 238; p. 1490.
- Bracelet, Expandible. F. S. Ellis. No. 1,250,153; Dec. 18; v. 245; p. 569.
- Bracelet-link. A. Eklund. No. 1,215,920; Feb. 13; v. 235; p. 542.
- Bracelet-lock. E. R. Nebeling. No. 1,217,048; Feb. 20; v. 235; p. 986.
- Bracelet, Wrist-watch. W. R. Kales. No. 1,216,322; Feb. 20; v. 235; p. 737.
- Bracelets, Connector for band-. C. H. Patten. No. 1,250,498; Dec. 18; v. 245; p. 672.
- Bracelets, Terminal link for. S. Bruner. No. 1,245,671; Nov. 6; v. 244; p. 161.
- Bracing element, Sectional. A. R. Hodges. No. 1,249,959; Dec. 11; v. 245; p. 475.
- Bracket: *See*—
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| Adjustable bracket. | Light-bracket. |
| Bedstead corner-bracket. | Mirror-bracket. |
| Bottle-bracket. | Pipe-coupling bracket. |
| Brake-hanger bracket. | Radiator wall-bracket. |
| Curtain-bracket. | Rail-bracket. |
| Curtain and shade bracket. | Release-rigging bracket. |
| Curtain-pole bracket. | Roofing-bracket. |
| Eaves-gutter bracket. | Safety-indicator and li- |
| Guide-bracket. | cence-bracket. |
| Handle-bar bracket. | Scaffold-bracket. |
| Headlight-bracket. | Scaffold corner-bracket. |
| Insulator-bracket. | Scaffold folding bracket. |
| Insulator-supporting | Shade-bracket. |
| bracket. | Shade and curtain bracket. |
| Insulator-suspension | Shade-roller bracket. |
| bracket. | Speedometer-pinion |
| Ladder-bracket. | bracket. |
| Ladder-step bracket. | Supporting-bracket. |
| Lamp-bracket. | Telephone-bracket. |
| Lamp-shade bracket. | Tire-bracket. |
| Lamp-supporting bracket. | Wall-bracket. |
| Lantern-bracket. | Wringer-bracket. |
- Bracket. C. I. Fluck. No. 1,248,101; Nov. 27; v. 244; p. 967.
- Bracket. W. D. Kyle. No. 1,250,597; Dec. 18; v. 245; p. 703.
- Bracket. E. A. Larson. No. 1,246,119; Nov. 13; v. 244; p. 321.
- Bracket. W. Marin. No. 1,227,165; May 22; v. 238; p. 1176.
- Bracket. G. W. Mertz. No. 1,219,025; Mar. 13; v. 236; p. 435.
- Bracket. O. Mueller. No. 1,228,583; June 5; v. 239; p. 71.
- Bracket. G. Ross. No. 1,230,521; June 19; v. 239; p. 804.
- Bracket-clamp. C. C. Couper. No. 1,241,823; Oct. 2; v. 243; p. 113.
- Bracket-hanger, Insulator-block cable. E. J. Burdick. No. 1,227,111; May 22; v. 238; p. 1157.
- Bracket-support. W. F. Postles. No. 1,247,449; Nov. 20; v. 244; p. 748.
- Bracket-support or the like. F. Erisman. No. 1,229,427; June 12; v. 239; p. 404.
- Bracket-supporting construction. J. H. Crist. No. 1,230,999; June 26; v. 239; p. 1003.
- Braid-binder. J. P. Legere. No. 1,225,831; May 15; v. 238; p. 686.
- Braiding-machine. W. H. Dunkerley. No. 1,213,601; Jan. 23; v. 234; p. 1216.
- Braiding-machine. A. Petersen. No. 1,241,550; Oct. 2; v. 243; p. 26.
- Brake: *See*—
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| Air-brake. | Fly-wheel brake. |
| Automatic brake. | Friction-brake. |
| Automobile-brake. | Hand-brake. |
| Automobile auxiliary brake. | Hemp-brake. |
| Automobile cone-clutch | Hydraulic brake. |
| brake. | Load-brake. |
| Automobile pneumatic | Machine-brake. |
| brake. | Magnetic brake. |
| Back-pedaling brake. | Non-skid brake. |
| Band-brake. | Paper-reel brake. |
| Car-brake. | Phonograph-brake. |
| Car hand-brake. | Plow-brake. |
| Carriage-brake. | Pneumatic brake. |
| Centrifugal brake. | Power-brake. |
| Clasp-brake. | Railway-brake. |
| Coaster-brake. | Safety-brake. |
| Compression-brake. | Ship-brake. |
| Corn-degerminator brake. | Sled-brake. |
| Electric brake. | Sleigh-brake. |
| Electrically-controlled | Talking-machine brake. |
| brake. | Truck-brake. |
| Electrofluid-pressure brake. | Vehicle-brake. |
| Electromagnetic brake. | Vehicle automatic brake. |
| Electropneumatic brake. | Vehicle safety-brake. |
| Elevator-brake. | Vessel-brake. |
| Emergency-brake. | Wagon-brake. |
| Fluid-pressure brake. | Water-cooled brake. |
- Brake. F. W. Adsit. No. 1,246,831; Nov. 29; v. 244; p. 571.
- Brake. D. L. Ainsley. No. 1,222,347; Apr. 10; v. 237; p. 503.
- Brake. E. Barger. No. 1,236,392; Aug. 14; v. 241; p. 308.
- Brake. F. C. Carstarphen. No. 1,225,009; May 8; v. 238; p. 366.
- Brake. C. J. Cutler. No. 1,239,358; Sept. 4; v. 242; p. 205.
- Brake. W. C. Hedgcock. No. 1,223,582; Apr. 24; v. 237; p. 1004.
- Brake. W. J. Miller. No. 1,229,119; June 5; v. 239; p. 250.
- Brake. C. B. Mills. No. 1,231,633; July 3; v. 240; p. 31.
- Brake. M. Savio. No. 1,218,479; Mar. 6; v. 236; p. 203.
- Brake. F. W. Shiel. No. 1,237,108; Aug. 14; v. 241; p. 542.
- Brake. G. Smith. No. 1,225,517; May 8; v. 238; p. 536.
- Brake. W. J. Wilson. No. 1,236,243; Aug. 7; v. 241; p. 231.
- Brake. C. W. Zimmer. No. 1,217,260; Feb. 27; v. 235; p. 1104.
- Brake-actuating lever. J. Novotny. No. 1,242,366; Oct. 9; v. 243; p. 324.
- Brake and clutch mechanism. F. E. Davis. No. 1,227,758; May 29; v. 238; p. 1401.
- Brake and safety car control. W. V. Turner. No. 1,224,238; May 1; v. 238; p. 44.
- Brake and skid-preventing device, Combination. H. Nakamizo. No. 1,236,971; Aug. 14; v. 241; p. 498.
- Brake apparatus. D. L. Lindquist and D. C. Larson. No. 1,248,512; Dec. 4; v. 245; p. 24.
- Brake apparatus. A. E. Metzger. No. 1,223,192; Apr. 17; v. 237; p. 838.
- Brake apparatus, Fluid-pressure. W. V. Turner. No. 1,214,614; Feb. 6; v. 236; p. 46.
- Brake apparatus, Fluid-pressure. W. V. Turner. No. 1,241,581; Oct. 2; v. 243; p. 37.
- Brake apparatus, Fluid-pressure. W. V. Turner. No. 1,241,582; Oct. 2; v. 243; p. 37.
- Brake appliance. E. E. Ewing. No. 1,240,127; Sept. 11; v. 242; p. 473.
- Brake-applying mechanism. C. C. Wright. No. 1,222,839; Apr. 17; v. 237; p. 716.
- Brake attachment for motor-vehicles. R. S. Franz. No. 1,219,718; Mar. 20; v. 236; p. 703.
- Brake-band. C. W. Landers. No. 1,229,624; June 12; v. 239; p. 471.
- Brake-band guide, Expanding. S. A. Teel. No. 1,245,065; Oct. 30; v. 243; p. 1260.
- Brake-band lining and the like, Receptacle for retaining. E. L. Pohlman. No. 1,239,960; Sept. 11; v. 242; p. 425.
- Brake-beam. E. M. Applebaugh and G. M. Keller. No. 1,213,996; Jan. 30; v. 234; p. 1380.
- Brake-beam. A. Christianson. No. 1,235,553; Aug. 7; v. 241; p. 7.
- Brake-beam. E. C. McDowell. No. 1,222,882; Apr. 17; v. 237; p. 732.
- Brake-beam. C. D. Morris. No. 1,215,397; Feb. 13; v. 235; p. 352.
- Brake-beam. F. E. Schwentler. No. 1,225,869; May 15; v. 238; p. 698.
- Brake beam, Clasp-. C. H. Williams. No. 1,236,804; Aug. 14; v. 241; p. 446.
- Brake-beam fulcrum. J. W. McGee. No. 1,250,915; Dec. 18; v. 245; p. 796.
- Brake-beam hanger. H. Miller. No. 1,239,206; Sept. 4; v. 242; p. 155.
- Brake-beam-supporting attachment. C. H. Williams. No. 1,221,938; Apr. 10; v. 237; p. 360.

- Brake-beam supports, Connection for. C. H. Williams. No. 1,249,578; Dec. 11; v. 245; p. 362.
- Brake-beam, Trussed. E. G. Busse. No. 1,219,435; Mar. 20; v. 236; p. 605.
- Brake-beam, Trussed. E. G. Busse. No. 1,219,436; Mar. 20; v. 236; p. 605.
- Brake-block iron. J. C. Wilson. No. 1,244,678; Oct. 30; v. 243; p. 1143.
- Brake control, Polyphase-electromagnet. B. McInnerney. No. 1,238,313; Aug. 28; v. 241; p. 999.
- Brake-cylinder-pressure regulator. W. V. Turner. No. 1,219,606; Mar. 20; v. 236; p. 664.
- Brake device. L. M. Masson. No. 1,215,949; Feb. 13; v. 235; p. 553.
- Brake device, Vacuum-. W. V. Turner. No. 1,230,950; June 26; v. 239; p. 985.
- Brake-hanger bracket. L. N. Bear. No. 1,213,729; Jan. 23; v. 234; p. 1258.
- Brake-hangers, Locking-block for. R. F. C. Schultz. No. 1,220,367; Mar. 27; v. 236; p. 970.
- Brake-handle. J. Eckert. No. 1,241,359; Sept. 25; v. 242; p. 931.
- Brake-head. G. H. Fahrenbruch. No. 1,247,652; Nov. 27; v. 244; p. 839.
- Brake-head. R. E. L. Mechan. No. 1,230,749; June 19; v. 239; p. 879.
- Brake-head construction. E. G. Busse. No. 1,237,609; Aug. 21; v. 241; p. 739.
- Brake-head construction. C. H. Williams. No. 1,232,637; July 10; v. 240; p. 396.
- Brake-heads and brake-shoes, Interlocking means for. C. V. Rote. No. 1,213,420; Jan. 23; v. 234; p. 1152.
- Brake-lever, Car-truck. J. A. Pilcher. No. 1,241,440; Sept. 25; v. 242; p. 954.
- Brake-lever, Car-truck. J. A. Pilcher. No. 1,241,441; Sept. 25; v. 242; p. 954.
- Brake lever, Wagon-. W. Mossman. No. 1,241,419; Sept. 25; v. 242; p. 948.
- Brake-locking device. L. P. Welch. No. 1,232,872; July 10; v. 240; p. 476.
- Brake mechanism. E. A. Dietrich. No. 1,225,595; May 8; v. 238; p. 564.
- Brake mechanism. E. Friedlaender. No. 1,231,590; July 3; v. 240; p. 17.
- Brake mechanism. J. W. Johnson and G. W. Hoover. No. 1,225,965; May 15; v. 238; p. 731.
- Brake mechanism. C. A. Lane, C. D. Hendry, and J. B. Kirkaldie. No. 1,238,305; Aug. 28; v. 241; p. 997.
- Brake mechanism. E. T. Larkin. No. 1,246,952; Nov. 20; v. 244; p. 606.
- Brake mechanism. S. A. Mathers. No. 1,230,002; June 12; v. 239; p. 593.
- Brake mechanism. F. H. Royce. No. 1,210,846; Jan. 2; v. 234; p. 160.
- Brake mechanism. G. L. Wiser. No. 1,224,826; May 1; v. 238; p. 252.
- Brake mechanism for automatic instruments. F. Cheney. No. 1,236,542; Aug. 14; v. 241; p. 358.
- Brake mechanism for lifting-jacks. I. E. Hindman. No. 1,234,334; July 24; v. 240; p. 1021.
- Brake mechanism for motor-cars. A. L. Campbell. No. 1,222,929; Apr. 17; v. 237; p. 746.
- Brake mechanism for motor-vehicles. A. C. Boyd. No. 1,243,696; Oct. 23; v. 243; p. 805.
- Brake mechanism, Front-wheel-. L. Melanowski. No. 1,218,794; Mar. 13; v. 236; p. 354.
- Brake mechanism, Motor-vehicle-. E. A. Nelson. No. 1,211,742; Jan. 9; v. 234; p. 500.
- Brake mechanism, Vacuum-operated. R. F. Berkebile. No. 1,216,542; Feb. 20; v. 235; p. 815.
- Brake mechanism, Vehicle-. S. M. Norberg. No. 1,229,314; June 12; v. 239; p. 366.
- Brake-pedal mounting. J. R. Konetsky. No. 1,218,415; Mar. 6; v. 236; p. 183.
- Brake-rigging. T. L. Burton. No. 1,249,320; Dec. 11; v. 245; p. 289.
- Brake-rigging, Clasp. T. L. Burton. No. 1,240,819; Sept. 25; v. 242; p. 760.
- Brake-rigging for rolling-stock. T. F. Tomlinson. No. 1,218,720; Mar. 13; v. 236; p. 326.
- Brake-rings, Forming. J. F. Smith and G. H. Williams. No. 1,220,470; Mar. 27; v. 236; p. 1006.
- Brake-rod, Weldless. E. E. Schwentler. No. 1,210,708; Jan. 2; v. 234; p. 115.
- Brake-rods, Combined brace and antirattler for. H. E. Hill. No. 1,220,747; Mar. 27; v. 236; p. 1100.
- Brake-shoe. C. W. Armbrust. No. 1,210,582; Jan. 2; v. 234; p. 71.
- Brake-shoe. C. W. Armbrust. No. 1,214,873; Feb. 6; v. 235; p. 135.
- Brake-shoe. C. W. Armbrust. No. 1,214,874; Feb. 6; v. 235; p. 136.
- Brake-shoe. C. W. Armbrust. No. 1,231,691; July 3; v. 240; p. 52.
- Brake-shoe. C. W. Armbrust. No. 1,239,444; Sept. 11; v. 242; p. 260.
- Brake-shoe. C. W. Armbrust. No. 1,239,445; Sept. 11; v. 242; p. 260.
- Brake-shoe. C. W. Armbrust. No. 1,239,446; Sept. 11; v. 242; p. 260.
- Brake-shoe. C. W. Armbrust. No. 1,239,447; Sept. 11; v. 242; p. 261.
- Brake-shoe. C. W. Armbrust. No. 1,239,448; Sept. 11; v. 242; p. 261.
- Brake-shoe. J. Cook. No. 1,225,583; May 8; v. 238; p. 560.
- Brake-shoe. J. Cook. No. 1,237,479; Aug. 21; v. 241; p. 697.
- Brake-shoe. H. Jones. No. 1,218,668; Mar. 13; v. 236; p. 307.
- Brake-shoe. H. Jones. No. 1,225,336; May 8; v. 238; p. 477.
- Brake-shoe. J. J. Kinzer. No. 1,219,462; Mar. 20; v. 236; p. 614.
- Brake-shoe. J. J. Kinzer. No. 1,219,463; Mar. 20; v. 236; p. 614.
- Brake-shoe. J. J. Kinzer. No. 1,219,464; Mar. 20; v. 236; p. 614.
- Brake-shoe. J. J. Kinzer. No. 1,219,465; Mar. 20; v. 236; p. 615.
- Brake-shoe. J. J. Kinzer. No. 1,219,824; Mar. 20; v. 236; p. 740.
- Brake-shoe. I. B. Lesh. No. 1,231,756; July 3; v. 240; p. 74.
- Brake-shoe. I. B. Lesh. No. 1,231,757; July 3; v. 240; p. 74.
- Brake-shoe. W. H. McDonough. No. 1,228,683; June 5; v. 239; p. 104.
- Brake-shoe. F. Sargent. No. 1,218,704; Mar. 13; v. 236; p. 320.
- Brake-shoe. H. K. Schoenheiter. No. 1,224,419; May 1; v. 238; p. 110.
- Brake-shoe. W. G. L. Totten. No. 1,245,824; Nov. 6; v. 244; p. 207.
- Brake-shoe. C. N. Winter. No. 1,238,867; Sept. 4; v. 242; p. 47.
- Brake-shoe and brake-head. C. V. Rote. No. 1,213,419; Jan. 23; v. 234; p. 1152.
- Brake-shoe and wear-plate. A. Thrasher and J. B. Ozbirn. No. 1,219,195; Mar. 13; v. 236; p. 492.
- Brake-shoe back. I. B. Lesh. No. 1,231,754; July 3; v. 240; p. 74.
- Brake-shoe backs, Making. I. B. Lesh. No. 1,231,755; July 3; v. 240; p. 74.
- Brake-shoe clamp. L. M. Macomb. No. 1,214,342; Jan. 30; v. 234; p. 1500.
- Brake-shoe, Composition-filled. H. Jones and R. C. Augur. No. 1,213,379; Jan. 23; v. 234; p. 1139.
- Brake-shoe mechanism. C. V. Rote. No. 1,250,513; Dec. 18; v. 245; p. 677.
- Brake-shoe mechanism. C. V. Rote. No. 1,250,514; Dec. 18; v. 245; p. 677.
- Brake-shoe mechanism. C. V. Rote. No. 1,250,515; Dec. 18; v. 245; p. 677.
- Brake shoe, Wagon-. E. A. Bly. No. 1,246,386; Nov. 13; v. 244; p. 403.
- Brake-shoes and product thereof, Making. G. T. Bond. No. 1,227,376; May 22; v. 238; p. 1243.
- Brake-shoes, Combined reinforcing-plate and key-lug for. W. H. McDonough. No. 1,226,545; May 15; v. 238; p. 926.
- Brake-shoes, Combined reinforcing-plate and key-lug for. W. H. McDonough. No. 1,227,282; May 22; v. 238; p. 1214.
- Brake-shoes, Composition lining for. R. J. Stokes. No. 1,242,069; Oct. 2; v. 243; p. 191.
- Brake-shoes, Device for automatically compensating for wear of. W. J. Stahr. No. 1,244,388; Oct. 23; v. 243; p. 1016.
- Brake-shoes, Reinforcing-back for. H. Jones. No. 1,224,867; May 1; v. 238; p. 265.
- Brake-shoes, Reinforcing-back for. F. Sargent. No. 1,224,503; May 1; v. 238; p. 139.
- Brake-shoes, Reinforcing back-plate and key-lug attachment for. W. H. McDonough. No. 1,224,476; May 1; v. 238; p. 130.
- Brake-shoes, Safety-lock for. E. Kari. No. 1,229,281; June 12; v. 239; p. 355.
- Brake slack-adjuster. T. L. Burton. No. 1,235,286; July 31; v. 240; p. 1351.
- Brake system. N. Fallek. No. 1,210,444; Jan. 2; v. 234; p. 23.
- Brake-valve device. W. V. Turner. No. 1,219,605; Mar. 20; v. 236; p. 663.
- Brake-valve device, Engineer's. W. V. Turner. No. 1,228,499; June 5; v. 239; p. 42.
- Brake-valve, Engineer's. W. V. Turner. No. 1,228,500; June 5; v. 239; p. 43.
- Brakes, clutches, and the like, Mechanism for operating. A. C. Sargent. No. 1,246,330; Nov. 13; v. 244; p. 385.
- Brakes, clutches, and the like, Operating mechanism for. J. W. Fellmeth. No. 1,224,621; May 1; v. 238; p. 180.
- Brakes on derailing, Means for applying. G. A. Humason. No. 1,219,946; Mar. 20; v. 236; p. 784.
- Brakes, Release-valve for vacuum-. W. V. Turner. No. 1,230,953; June 26; v. 239; p. 987.
- Brakes, Take-up for momentum-. P. S. Morgan. No. 1,231,284; June 26; v. 239; p. 1099.
- Braking apparatus. M. Loughead. No. 1,249,143; Dec. 4; v. 245; p. 206.
- Braking device. E. R. Klemm. No. 1,217,188; Feb. 27; v. 235; p. 1080.
- Braking system. A. F. Batchelder. No. 1,248,439; Dec. 4; v. 245; p. 4.
- Braking system. C. Renshaw. No. 1,236,760; Aug. 14; v. 241; p. 431.

Alphabetical list of inventions—Continued.

- Braking system. K. A. Simmon. No. 1,236,779; Aug. 14; v. 241; p. 437.
- Braking system, Electric. J. T. Skinner. No. 1,230,935; June 26; v. 239; p. 980.
- Branding-iron. J. M. Baskett. No. 1,220,932; Mar. 27; v. 236; p. 1161.
- Branding-iron. C. B. Delbridge. No. 1,244,180; Oct. 23; v. 243; v. 954.
- Brassière. G. L. Anderman. No. 1,242,118; Oct. 9; v. 243; p. 247.
- Brassière. D. Glasgow. No. 1,231,011; June 26; v. 239; p. 1007.
- Brassière. W. Kops. No. 1,237,059; Aug. 14; v. 241; p. 527.
- Brassière. W. Kops. No. 1,237,060; Aug. 14; v. 241; p. 527.
- Brassière. P. S. McOmber. No. 1,235,218; July 31; v. 240; p. 1330.
- Brassière. G. M. Poix. No. 1,226,113; May 15; v. 238; p. 782.
- Brassière and girdle, Combined. B. and H. Prince. No. 1,212,677; Jan. 16; v. 234; p. 863.
- Brazing material. T. S. Fuller. No. 1,215,138; Feb. 6; v. 235; p. 228.
- Bread-box. R. H. Berkstresser. No. 1,241,330; Sept. 25; v. 242; p. 922.
- Bread, Cooling and treating. W. M. Campbell. No. 1,212,900; Jan. 16; v. 234; p. 937.
- Bread-cutter. N. Ersnes. No. 1,221,300; Apr. 3; v. 237; p. 105.
- Bread-cutter. A. W. Wood. No. 1,233,947; July 17; v. 240; p. 861.
- Bread-cutter. Gang. S. A. Brazeau. No. 1,237,162; Aug. 14; v. 241; p. 557.
- Bread-cutting machine. C. D. Dye. No. 1,229,918; June 12; v. 239; p. 568.
- Bread-cutting machine. J. S. Hodges. No. 1,236,083; Aug. 7; v. 241; p. 179.
- Bread-knife. B. R. Bacon. No. 1,227,234; May 22; v. 238; p. 1199.
- Bread-knife. W. H. Garlock and W. J. Stubbe. No. 1,246,905; Nov. 20; v. 244; p. 593.
- Bread, Making. F. Narobe. No. 1,224,492; May 1; v. 238; p. 136.
- Bread-making. R. and A. S. Wahl. No. 1,247,349; Nov. 20; v. 244; p. 720.
- Bread manufacture. A. S. Wahl. No. 1,242,396; Oct. 9; v. 243; p. 335.
- Bread, Manufacture of. H. A. Kohman, T. M. Godfrey, and L. H. Ashe. No. 1,222,304; Apr. 10; v. 237; p. 487.
- Bread, Manufacture of whole-grain. P. Gross. No. 1,213,627; Jan. 23; v. 234; p. 1224.
- Bread, meat, cheese, &c., Machine for cutting. A. Hansen. No. 1,234,540; July 24; v. 240; p. 1088.
- Bread-mixer. C. Gensheimer. No. 1,229,934; June 12; v. 239; p. 572.
- Bread or the like, Manufacture and composition of. E. S. Roworth. No. 1,215,995; Feb. 13; v. 235; p. 569.
- Bread raising and warming cabinet. W. G. Askew. No. 1,227,103; May 22; v. 238; p. 1154.
- Bread softener. Altar. P. Saurasaitis. No. 1,239,973; Sept. 11; v. 242; p. 428.
- Bread-tin handle. Detachable. E. F. Maaske. No. 1,227,920; May 29; v. 238; p. 1457.
- Break switch, Selective oil. F. T. Cope. No. 1,218,059; Mar. 6; v. 236; p. 60.
- Breaker and drier. H. G. Schwarz. No. 1,217,351; Feb. 27; v. 235; p. 1135.
- Breast-drill, Ratchet chain. S. McClellan. No. 1,249,794; Dec. 11; v. 245; p. 426.
- Breast-strap. F. M. Smith. No. 1,248,939; Dec. 4; v. 245; p. 150.
- Breast-strap slide. J. B. Baxter. No. 1,227,870; May 29; v. 238; p. 1440.
- Breast-strap slide and attaching means therefor, Combined. J. B. Baxter. No. 1,227,871; May 29; v. 238; p. 1440.
- Breast-supporter. E. M. Quirk. No. 1,237,095; Aug. 14; v. 241; p. 538.
- Breastplate and protector. A. Louppe. No. 1,250,197; Dec. 18; v. 245; p. 583.
- Breath-guard. S. L. Gladish and J. T. De Armond. No. 1,249,377; Dec. 11; v. 245; p. 305.
- Breathing. Apparatus for creating artificial. O. Buchhorn. No. 1,245,867; Nov. 6; v. 244; p. 220.
- Breathing apparatus for use in mine-rescue work or like purposes. Absorbent for carbon dioxide in. E. J. Bevan. No. 1,223,244; Apr. 17; v. 237; p. 853.
- Breathing apparatus for use in noxious gases. J. W. Paul and C. Hall. No. 1,225,269; May 8; v. 238; p. 451.
- Breathing-bag. R. H. Davis. No. 1,213,160; Jan. 23; v. 234; p. 1061.
- Breech mechanism, Power-operated. D. F. Asbury. No. 1,229,859; June 12; v. 239; p. 550.
- Brewers' use, Product for. G. Defren. No. 1,235,882; Aug. 7; v. 241; p. 116.
- Brick and furnace-linings. Composition for making fire. R. R. Zell. No. 1,244,275; Oct. 23; v. 243; p. 984.
- Brick, Apparatus for mechanically hacking. R. C. Penfield. No. 1,241,879; Oct. 2; v. 243; p. 132.
- Brick, Basic. H. A. Kennedy. No. 1,240,148; Sept. 11; v. 242; p. 479.
- Brick-carrier. E. D. Danielson. No. 1,249,723; Dec. 11; v. 245; p. 405.
- Brick-cleaning machine. J. J. Hardin. No. 1,239,480; Sept. 11; v. 242; p. 271.
- Brick composition. F. Cordery. No. 1,218,239; Mar. 6; v. 236; p. 123.
- Brick-forming machine. G. E. Richmond. No. 1,233,604; July 17; v. 240; p. 752.
- Brick-handling apparatus. H. B. Crum. No. 1,222,535; Apr. 10; v. 237; p. 569.
- Brick-handling machine. C. E. Ross. No. 1,234,493; July 24; v. 240; p. 1073.
- Brick-kiln. G. C. Heilman. No. 1,237,036; Aug. 14; v. 241; p. 519.
- Brick-kiln. J. T. Underwood. (Reissue.) No. 14,251; Jan. 16; v. 234; p. 1022.
- Brick-kiln and operating same. C. E. Vredenburg and T. Lacey. No. 1,224,243; May 1; v. 238; p. 46.
- Brick, Lifting and perforating. R. C. Penfield. No. 1,221,765; Apr. 3; v. 237; p. 264.
- Brick-machine. W. Kespohl. No. 1,241,398; Sept. 25; v. 242; p. 942.
- Brick-machine attachment. D. E. Reagan. No. 1,224,019; Apr. 24; v. 237; p. 1156.
- Brick, Machine for producing ornamented. N. Allen. No. 1,230,362; June 19; v. 239; p. 751.
- Brick-machines, Scratch die and roller for. R. A. Fontaine. No. 1,246,411; Nov. 13; v. 244; p. 410.
- Brick manufacture. H. N. Kilby. No. 1,231,267; June 26; v. 239; p. 1093.
- Brick, Manufacture of sand-lime. H. W. Charlton. No. 1,235,766; Aug. 7; v. 241; p. 77.
- Brick, Marginal. E. P. Stevens. No. 1,229,389; June 12; v. 239; p. 392.
- Brick-molding machine, Chemical. T. M. Curd. No. 1,246,722; Nov. 13; v. 244; p. 502.
- Brick-pallet. A. J. Bentley. No. 1,213,575; Jan. 23; v. 234; p. 1207.
- Brick, Paving. J. W. Tucker and W. A. McCool. No. 1,220,292; Mar. 27; v. 236; p. 943.
- Brick-pointer. L. W. Wolf. No. 1,216,389; Feb. 20; v. 235; p. 761.
- Brick-press. M. H. Avram. No. 1,239,072; Sept. 4; v. 242; p. 112.
- Brick-press. W. L. Wettlauffer. No. 1,223,457; Apr. 24; v. 237; p. 959.
- Brick, Refractory. R. H. Youngman. No. 1,231,684; July 3; v. 240; p. 51.
- Bricks and other molded articles. H. W. Charlton. No. 1,249,028; Dec. 4; v. 245; p. 174.
- Bricks and paving blocks or stones, Apparatus for handling. O. Carlson. No. 1,239,879; Sept. 11; v. 242; p. 400.
- Bricks and the like from continually-fed material, Apparatus for cutting. N. Fredriksson. No. 1,214,668; Feb. 6; v. 235; p. 66.
- Bricks and the like, Making. J. W. Tucker and W. A. McCool. No. 1,220,293; Mar. 27; v. 236; p. 943.
- Bricks and tiles, Apparatus for surfacing. C. C. Wolfe. No. 1,220,807; Mar. 27; v. 236; p. 1121.
- Bricks, Burning. F. B. Lambert. No. 1,239,189; Sept. 4; v. 242; p. 149.
- Bricks, Making. F. W. Butterworth. No. 1,229,532; June 12; v. 239; p. 457.
- Bricks, Manufacturing enameled. B. Jacquart. No. 1,214,793; Feb. 6; v. 235; p. 108.
- Bricks, Means for carrying out a process for burning. F. B. Lambert. No. 1,230,493; June 19; v. 239; p. 794.
- Bricks, Ornamentally roughening. W. C. Koch. No. 1,234,098; July 17; v. 240; p. 907.
- Bricklayer's line-stretching gage. J. Butler. No. 1,234,282; July 24; v. 240; p. 1004.
- Brickmaking apparatus. M. P. Andrews. No. 1,242,120; Oct. 9; v. 243; p. 248.
- Brickmaking-machine. F. W. Bryson. No. 1,236,144; Aug. 7; v. 241; p. 197.
- Brickmaking-machine. R. I. McCarty. No. 1,211,464; Jan. 9; v. 234; p. 406.
- Brickmaking-machine. D. E. Reagen. No. 1,226,115; May 15; v. 238; p. 782.
- Brickmaking-machine. J. R. Root. No. 1,218,473; Mar. 6; v. 236; p. 202.
- Brickmaking-machine. D. Strickland. No. 1,215,215; Feb. 6; v. 235; p. 255.
- Bridge. J. B. Strauss. No. 1,211,640; Jan. 9; v. 234; p. 466.
- Bridge. J. B. Strauss. No. 1,241,052; Sept. 25; v. 242; p. 832.
- Bridge and culvert construction. W. Dunning. No. 1,246,404; Nov. 13; v. 244; p. 408.
- Bridge and making same, Selenium. F. C. Brown. No. 1,219,432; Mar. 20; v. 236; p. 604.
- Bridge, Bascule. T. E. Brown. No. 1,210,410; Jan. 2; v. 234; p. 10.
- Bridge, Bascule. C. H. Mercer and C. H. Woehle. No. 1,241,237; Sept. 25; v. 242; p. 891.
- Bridge, Bascule. J. B. Strauss. No. 1,211,639; Jan. 9; v. 234; p. 465.
- Bridge, Coal-handling. T. S. Watson. No. 1,220,804; Mar. 27; v. 236; p. 1119.
- Bridge construction. J. D. Hyatt. No. 1,215,537; Feb. 13; v. 235; p. 403.
- Bridge, Ferry. F. L. Du Bosque. (Reissue.) No. 14,313; June 5; v. 239; p. 284.
- Bridge, Movable filling. F. W. May. No. 1,216,830; Feb. 20; v. 235; p. 913.

- Bridge-protector. W. E. Ashley. No. 1,227,565; May 29; v. 238; p. 1336.
- Bridge signal apparatus. N. O. Baty. No. 1,213,062; Jan. 16; v. 234; p. 993.
- Bridge split attachment, Cone-shaped removable-. J. Yirikian. No. 1,218,033; Mar. 6; v. 236; p. 50.
- Bridge, Suspension-. L. Woodward. No. 1,235,627; Aug. 7; v. 241; p. 32.
- Bridges and the like, Jointing device for the members of military. C. E. Inglis. No. 1,231,365; June 26; v. 239; p. 1125.
- Bridges, Operating mechanism for lift-. L. H. Shoemaker. No. 1,210,715; Jan. 2; v. 234; p. 117.
- Bridle. S. E. Estes. No. 1,215,357; Feb. 13; v. 235; p. 339.
- Bridle-bit. J. H. Grant. No. 1,241,729; Oct. 2; v. 243; p. 85.
- Bridle-bit, Convertible riding, driving, and veterinary. J. A. Fretwell. No. 1,240,041; Sept. 11; v. 242; p. 447.
- Bridle-blinder, Detachable. N. C. Weimer. No. 1,245,542; Nov. 6; v. 244; p. 121.
- Bridle-rod. M. Robertson and L. R. Albritton. No. 1,233,917; July 17; v. 240; p. 850.
- Briquet, Weather-resisting. C. Ellis. No. 1,246,808; Nov. 13; v. 244; p. 528.
- Briquets, Manufacture of. F. A. Vogel. No. 1,212,291; Jan. 16; v. 234; p. 725.
- Briquets, Manufacture of house-building. G. H. Lundberg. No. 1,231,921; July 3; v. 240; p. 129.
- Briquets or other molded articles, Making. C. Ellis. No. 1,246,805; Nov. 13; v. 244; p. 527.
- Briqueting-machine. T. Gilmore, Jr. No. 1,247,667; Nov. 27; v. 244; p. 844.
- Briqueting-machine. C. Korte. No. 1,242,704; Oct. 9; v. 243; p. 434.
- Briqueting-machine. J. F. Lovejoy. No. 1,221,878; Apr. 10; v. 237; p. 337.
- Briqueting-machine. G. W. Rigby. No. 1,227,831; May 29; v. 238; p. 1427.
- Briqueting-press. O. C. Duryea. No. 1,220,733; Mar. 27; v. 236; p. 1095.
- Briqueting process. C. Ellis. No. 1,246,807; Nov. 13; v. 244; p. 528.
- Broaching appliance, Spiral. R. R. Lapointe. No. 1,218,191; Mar. 6; v. 236; p. 105.
- Broaching-machine. G. J. Spohrer. No. 1,236,782; Aug. 14; v. 241; p. 438.
- Broaching-press. H. W. Lockley. No. 1,218,426; Mar. 6; v. 236; p. 187.
- Broaching-tool. F. O. Furber. No. 1,243,504; Oct. 16; v. 243; p. 714.
- Broiler. B. De Ganner. No. 1,229,591; June 12; v. 239; p. 460.
- Broiler and like cooker. L. Durgarian. No. 1,244,965; Oct. 30; v. 243; p. 1230.
- Broiler and toaster, Electric. C. E. Hubbard. No. 1,220,947; Mar. 27; v. 236; p. 1167.
- Brooch. C. G. King. No. 1,221,869; Apr. 10; v. 237; p. 334.
- Brooch. A. Spaney. No. 1,246,670; Nov. 13; v. 244; p. 487.
- Brooch-fastening device. G. A. Siefken. No. 1,242,054; Oct. 2; v. 243; p. 186.
- Brooder. J. F. MacKay. No. 1,234,782; July 31; v. 240; p. 1197.
- Brooder. J. F. MacKay. No. 1,244,111; Oct. 23; v. 243; p. 934.
- Brooder. E. Maurer. No. 1,229,113; June 5; v. 239; p. 248.
- Brooder. E. Maurer. No. 1,230,917; June 26; v. 239; p. 973.
- Brooder. F. X. Meile. No. 1,226,235; May 15; v. 238; p. 823.
- Brooder. E. O. Perry. No. 1,215,982; Feb. 13; v. 235; p. 564.
- Brooder. W. A. Schleit. No. 1,245,041; Oct. 30; v. 243; p. 1253.
- Brooder. M. A. Stevens. No. 1,222,901; Apr. 17; v. 237; p. 737.
- Brooder. E. D. Taylor. No. 1,239,637; Sept. 11; v. 242; p. 320.
- Brooder and grain-sprouter, Chicken-. P. K. Siert. No. 1,225,063; May 8; v. 238; p. 383.
- Brooder, Chicken-. A. A. Edwards. No. 1,210,438; Jan. 2; v. 234; p. 21.
- Brooder, Chicken-. J. Orr. No. 1,236,102; Aug. 7; v. 241; p. 184.
- Brooder-heater. C. V. Hill. (Reissue.) No. 14,386; Oct. 30; v. 243; p. 1287.
- Brooders and the like, Air-supply device for. J. F. MacKay. No. 1,241,641; Oct. 2; v. 243; p. 56.
- Broom. C. Brudsig. No. 1,229,027; June 5; v. 239; p. 219.
- Broom. W. P. Newell. No. 1,232,832; July 10; v. 240; p. 462.
- Broom. W. P. Newell and C. W. Carman. No. 1,222,237; Apr. 10; v. 237; p. 464.
- Broom-brace. L. Zeiger. No. 1,216,909; Feb. 20; v. 235; p. 939.
- Broom-bridle. C. A. Fosdick. No. 1,214,447; Jan. 30; v. 234; p. 1533.
- Broom-case. L. F. Aldrich. No. 1,221,648; Apr. 3; v. 237; p. 224.
- Broom-hanging device. F. E. Welcome. No. 1,246,197; Nov. 13; v. 244; p. 345.
- Broom-holder. A. B. Holden. No. 1,213,645; Jan. 23; v. 234; p. 1230.
- Broom-holder. C. Selvine. No. 1,227,208; May 22; v. 238; p. 1189.
- Broom-machine. W. F. McClaine. No. 1,235,349; July 31; v. 240; p. 1370.
- Broom-rack. H. M. Draper. No. 1,223,043; Apr. 17; v. 237; p. 786.
- Broom-rack, Auto. J. E. S. Anthony. No. 1,211,998; Jan. 9; v. 234; p. 593.
- Brooms and other articles, Holder for. A. Thiele. No. 1,246,492; Nov. 13; v. 244; p. 435.
- Brush. T. F. Barry. No. 1,212,313; Jan. 16; v. 234; p. 732.
- Brush. A. C. Bass. No. 1,250,767; Dec. 18; v. 245; p. 752.
- Brush. E. B. Burrell. No. 1,232,212; July 3; v. 240; p. 227.
- Brush. O. H. Dorsch. No. 1,216,666; Feb. 20; v. 235; p. 858.
- Brush. J. D. Garvey. No. 1,240,558; Sept. 18; v. 242; p. 647.
- Brush. W. P. Gray. No. 1,227,047; May 22; v. 238; p. 1135.
- Brush. D. Levy. No. 1,240,860; Sept. 25; v. 242; p. 773.
- Brush. G. Moe. No. 1,222,971; Apr. 17; v. 237; p. 761.
- Brush. A. A. Picard. No. 1,241,881; Oct. 2; v. 243; p. 132.
- Brush. G. Rasmussen, Jr. No. 1,240,604; Sept. 18; v. 242; p. 660.
- Brush. D. L. Sadler. No. 1,221,606; Apr. 3; v. 237; p. 211.
- Brush. G. Summer. No. 1,219,504; Mar. 20; v. 236; p. 628.
- Brush. J. Timk6. No. 1,219,196; Mar. 13; v. 236; p. 492.
- Brush. M. Veeck. No. 1,234,977; July 31; v. 240; p. 1259.
- Brush, Air-. A. Kopinski. No. 1,218,279; Mar. 6; v. 236; p. 138.
- Brush, Air-. C. H. Parkin. No. 1,234,378; July 24; v. 240; p. 1036.
- Brush and dentifrice holder, Tooth-. C. F. Creelius. No. 1,240,681; Sept. 18; v. 242; p. 685.
- Brush and glass holder. A. Lewyt. No. 1,242,956; Oct. 16; v. 243; p. 548.
- Brush and holder, Combination shaving-. S. D. Newton. No. 1,245,951; Nov. 6; v. 244; p. 244.
- Brush and manufacturing same, Tooth-. D. L. Chandler and J. H. Frayne. No. 1,238,635; Aug. 28; v. 241; p. 1102.
- Brush and manufacturing the same. A. H. Timmis. No. 1,219,054; Mar. 13; v. 236; p. 444.
- Brush and shaving-stick, Combined. H. H. Oswald. No. 1,244,771; Oct. 30; v. 243; p. 1172.
- Brush and timber cutting device. W. F. Twombly. No. 1,225,531; May 8; v. 238; p. 541.
- Brush-back-boring machine. W. S. Lang. No. 1,251,056; Dec. 25; v. 245; p. 888.
- Brush, Bath-. A. Pludowski. No. 1,211,225; Jan. 2; v. 234; p. 292.
- Brush, Bottle-washing. M. C. Rosenfeld. No. 1,228,140; May 29; v. 238; p. 1530.
- Brush, Compound tooth-. K. Kimura. No. 1,232,933; July 10; v. 240; p. 496.
- Brush construction. C. C. McIntosh. No. 1,222,645; Apr. 17; v. 237; p. 649.
- Brush, Dental. H. T. Hartman. No. 1,216,311; Feb. 20; v. 235; p. 733.
- Brush, Dental. B. A. Lewis. No. 1,242,821; Oct. 9; v. 243; p. 470.
- Brush, Electric-machine. E. F. Ster. No. 1,246,825; Nov. 13; v. 244; p. 533.
- Brush, Flexible. E. B. Oates. No. 1,232,075; July 3; v. 240; p. 182.
- Brush, Foldable. E. O. Sundeen. No. 1,231,093; June 26; v. 239; p. 1036.
- Brush for electric machinery. E. M. Soreng. No. 1,226,130; May 15; v. 238; p. 787.
- Brush, Fountain-. J. Auld. No. 1,226,163; May 15; v. 238; p. 799.
- Brush, Fountain-. L. H. and G. C. Dunlap. No. 1,218,534; Mar. 6; v. 236; p. 222.
- Brush, Fountain-. C. Eickmier. No. 1,220,506; Mar. 27; v. 236; p. 1018.
- Brush, Fountain-. C. A. Garvey. No. 1,250,842; Dec. 18; v. 245; p. 775.
- Brush, Fountain-. J. Hecht and C. Cizenfeld. No. 1,217,597; Feb. 27; v. 235; p. 1224.
- Brush, Fountain-. P. Huether. No. 1,226,520; May 15; v. 238; p. 918.
- Brush, Fountain-. J. H. Pride. No. 1,230,325; June 19; v. 239; p. 739.
- Brush, Fountain-. W. T. Snyder. No. 1,237,567; Aug. 21; v. 241; p. 726.
- Brush, Fountain-. F. Templeman. No. 1,228,847; June 5; v. 239; p. 162.
- Brush, Fountain blacking-. G. M. Schaff. No. 1,235,060; July 31; v. 240; p. 1284.

Alphabetical list of inventions—Continued.

- Brush, Fountain shaving. S. W. B. Renouf. No. 1,244,894; Oct. 30; v. 243; p. 1210.
- Brush, Fountain shoe. M. C. Cooper. No. 1,248,622; Dec. 4; v. 245; p. 58.
- Brush, Fountain tooth-. A. J. Salvas. No. 1,236,878; Aug. 14; v. 241; p. 467.
- Brush, Gauze. E. O. Schweitzer. No. 1,228,484; June 5; v. 239; p. 37.
- Brush, Gin-. S. D. Murray. No. 1,236,341; Aug. 7; v. 241; p. 259.
- Brush-handle. G. Dyer. No. 1,224,724; May 1; v. 238; p. 218.
- Brush handle, Tooth-. W. J. McLean. No. 1,211,468; Jan. 9; v. 234; p. 407.
- Brush-holder. R. G. Clark. No. 1,226,309; May 15; v. 238; p. 852.
- Brush-holder. P. T. Flach. No. 1,233,212; July 10; v. 240; p. 586.
- Brush-holder. D. B. Flower. No. 1,220,082; Mar. 20; v. 236; p. 830.
- Brush-holder. G. T. Hastings. No. 1,237,901; Aug. 21; v. 241; p. 831.
- Brush-holder. C. E. Hecht. No. 1,228,774; June 5; v. 239; p. 137.
- Brush holder and sterilizer, Antiseptic tooth-. J. D. Wise. No. 1,224,696; May 1; v. 238; p. 207.
- Brush holder and sterilizer, Tooth-. A. Feinberg. No. 1,212,335; Jan. 16; v. 234; p. 740.
- Brush holder, Paint-. J. H. Coon. No. 1,238,641; Aug. 28; v. 241; p. 1104.
- Brush holder, Paint-. M. M. Nelson. No. 1,215,052; Feb. 6; v. 235; p. 201.
- Brush holder, Sanitary tooth-. H. G. Olena. No. 1,226,799; May 22; v. 238; p. 1050.
- Brush holder, Shaving-. W. T. Wilson. No. 1,234,596; July 24; v. 240; p. 1105.
- Brush holder, Tooth-. A. L. Kane and J. J. O'Neill. No. 1,212,645; Jan. 16; v. 234; p. 850.
- Brush holder, Tooth-. F. D. Newberry. No. 1,234,199; July 24; v. 240; p. 977.
- Brush holder, Tooth-. J. J. Taylor. No. 1,228,261; May 29; v. 238; p. 1569.
- Brush-holding device. E. M. Tingley. No. 1,248,574; Dec. 4; v. 245; p. 44.
- Brush, Knockdown tooth-. R. R. Oldham. No. 1,216,159; Feb. 13; v. 235; p. 629.
- Brush-lifting device. A. J. Brown. No. 1,231,844; July 3; v. 240; p. 104.
- Brush-lifting mechanism. C. W. Steen. No. 1,228,710; June 5; v. 239; p. 114.
- Brush-making machine. W. E. Alexander. No. 1,227,562; May 29; v. 238; p. 1335.
- Brush-making machine. B. W. Tucker and L. H. Arnold. No. 1,240,516; Sept. 18; v. 242; p. 634.
- Brush-making machines, Tuft-gathering mechanism for. W. G. Liebig. No. 1,236,954; Aug. 14; v. 241; p. 492.
- Brush-mounting. E. P. and T. L. Lee. No. 1,240,738; Sept. 18; v. 242; p. 702.
- Brush, Paint-. F. L. Benedict. No. 1,240,017; Sept. 11; v. 242; p. 441.
- Brush, Paint-. W. M. Raeburn. No. 1,226,368; May 15; v. 238; p. 870.
- Brush, Powder-applying. P. Amadeo. No. 1,231,834; July 3; v. 240; p. 101.
- Brush, Pressure-fountain paint-. S. Gasparaitis. No. 1,221,170; Apr. 3; v. 237; p. 60.
- Brush protector, Paint-. H. S. Throckmorton. No. 1,239,638; Sept. 11; v. 242; p. 321.
- Brush-rake. H. M. Gilbert. No. 1,225,432; May 8; v. 238; p. 509.
- Brush receptacle, Tooth-. A. Hippius. No. 1,241,977; Oct. 2; v. 243; p. 161.
- Brush, Rotary. W. M. Baechtel. No. 1,236,249; Aug. 7; v. 241; p. 232.
- Brush, Rotary. J. H. Cary. No. 1,231,491; June 26; v. 239; p. 1167.
- Brush, Rotary. W. Kenstowicz. No. 1,212,360; Jan. 16; v. 234; p. 748.
- Brush, Rotary. M. Weller. No. 1,231,825; July 3; v. 240; p. 98.
- Brush, Rotary electric. D. L. Lowery. No. 1,247,849; Nov. 27; v. 244; p. 899.
- Brush, Rotary tooth-. W. J. Dossey. No. 1,226,482; May 15; v. 238; p. 906.
- Brush, Rotary tooth-. G. N. Elwin. No. 1,225,230; May 8; v. 238; p. 439.
- Brush, Rotary tooth-. J. C. Green. No. 1,224,740; May 1; v. 238; p. 223.
- Brush, Rotary tooth-. J. Hickman. No. 1,225,955; May 15; v. 238; p. 727.
- Brush, Rotatable. G. B. Allen. No. 1,248,778; Dec. 4; v. 245; p. 104.
- Brush, Sanitary tooth-. N. Le Vene and E. Fee. No. 1,214,556; Feb. 6; v. 235; p. 26.
- Brush, Scrubbing and mopping. P. A. Bayless. No. 1,215,239; Feb. 6; v. 235; p. 264.
- Brush, Self-moistening and self-soaping. S. Light and W. Eichelberger. No. 1,212,967; Jan. 16; v. 234; p. 962.
- Brush, Shaving-. L. C. Albrecht, Jr. No. 1,247,484; Nov. 20; v. 244; p. 758.
- Brush, Shaving-. H. L. Brice. No. 1,230,660; June 19; v. 239; p. 850.
- Brush, Shaving-. H. J. Gaisman. No. 1,216,433; Feb. 20; v. 235; p. 777.
- Brush, Shaving-. R. W. Smith, Jr. No. 1,220,020; Mar. 20; v. 236; p. 807.
- Brush, Shaving-. A. R. Vore. No. 1,220,033; Mar. 20; v. 236; p. 812.
- Brush, Shaving-. J. W. White. No. 1,242,095; Oct. 2; v. 243; p. 198.
- Brush, Shoe-. F. C. Clark. No. 1,237,475; Aug. 21; v. 241; p. 695.
- Brush, Tooth-. B. O. Bates. No. 1,243,579; Oct. 16; v. 243; p. 736.
- Brush, Tooth-. H. T. Baxter. No. 1,212,001; Jan. 9; v. 234; p. 594.
- Brush, Tooth-. G. L. Brown. No. 1,212,010; Jan. 9; v. 234; p. 596.
- Brush, Tooth-. C. J. Coffey. No. 1,230,279; June 19; v. 239; p. 724.
- Brush, Tooth-. C. H. Ely. No. 1,232,517; July 10; v. 240; p. 360.
- Brush, Tooth-. A. E. Fendrich. No. 1,227,412; May 22; v. 238; p. 1254.
- Brush, Tooth-. J. C. Feser. No. 1,210,623; Jan. 2; v. 234; p. 86.
- Brush, Tooth-. T. M. Heard, Jr. No. 1,250,454; Dec. 18; v. 245; p. 659.
- Brush, Tooth-. M. Kowinsky. No. 1,248,675; Dec. 4; v. 245; p. 73.
- Brush, Tooth-. A. A. Libby. No. 1,251,250; Dec. 25; v. 245; p. 944.
- Brush, Tooth-. G. H. Love. No. 1,212,373; Jan. 16; v. 234; p. 753.
- Brush, Tooth-. A. A. Picard. No. 1,219,147; Mar. 13; v. 236; p. 476.
- Brushes and the like, Identification device for tooth-. B. B. Flint. No. 1,222,377; Apr. 10; v. 237; p. 513.
- Brushes, Cover for tooth-. P. D. Meiers. No. 1,213,235; Jan. 23; v. 234; p. 1087.
- Brushes, Making. D. S. King. No. 1,244,132; Oct. 23; v. 243; p. 940.
- Brushes, Manufacture of. E. E. Robinson. No. 1,230,518; June 19; v. 239; p. 803.
- Brushes, Protective device for. S. Tactkian. No. 1,218,963; Mar. 13; v. 236; p. 413.
- Brushing apparatus. I. P. Armstrong. No. 1,218,040; Mar. 6; v. 236; p. 53.
- Bubble-blower. R. D. Buitrago. No. 1,215,617; Feb. 13; v. 235; p. 435.
- Buck-clamp. C. W. Wolfe. No. 1,226,045; May 15; v. 238; p. 759.
- Bucket. P. M. Armstrong. No. 1,218,826; Mar. 13; v. 236; p. 366.
- Bucket. H. S. Atkinson. No. 1,249,298; Dec. 11; v. 245; p. 283.
- Bucket. T. F. Barnett. No. 1,232,181; July 3; v. 240; p. 217.
- Bucket. J. Hayward. No. 1,232,542; July 10; v. 240; p. 367.
- Bucket and trap, Minnow. C. L. Love. No. 1,231,034; June 26; v. 239; p. 1015.
- Bucket apparatus, Clam-shell-. J. C. French. No. 1,246,578; Nov. 13; v. 244; p. 461.
- Bucket apparatus, Drag-. A. L. Hanot. No. 1,228,554; June 5; v. 239; p. 61.
- Bucket apparatus, Traveling-. J. C. French. No. 1,231,589; July 3; v. 240; p. 17.
- Bucket apparatus, Traveling-. J. C. French. No. 1,241,476; Sept. 25; v. 242; p. 965.
- Bucket bottom and lift. A. L. Beckett. No. 1,227,032; May 22; v. 238; p. 1130.
- Bucket, Clam-shell. B. C. Brown. No. 1,234,277; July 24; v. 240; p. 1002.
- Bucket-closure. J. Strange. No. 1,222,047; Apr. 10; v. 237; p. 396.
- Bucket, Collapsible. G. B. Sexton. No. 1,225,511; May 8; v. 238; p. 534.
- Bucket, Collapsible fabric. H. M. Parker. No. 1,233,117; July 10; v. 240; p. 554.
- Bucket, Conveyor-. S. E. Pfahler. No. 1,213,408; Jan. 23; p. 234; p. 1148.
- Bucket cover, Sap-. W. H. Cotton. No. 1,228,096; May 29; v. 238; p. 1518.
- Bucket, Digging-. J. J. Rehally. No. 1,217,500; Feb. 27; v. 235; p. 1190.
- Bucket-elevator. W. W. Hudson. No. 1,234,764; July 31; v. 240; p. 1191.
- Bucket, Excavating-. C. J. Cook. No. 1,231,852; July 3; v. 240; p. 107.
- Bucket, Excavating-. T. S. Miller. No. 1,244,117; Oct. 23; v. 243; p. 936.
- Bucket, Folding. H. D. and F. A. Bokop. No. 1,243,381; Oct. 16; v. 243; p. 677.
- Bucket for derricks, Grab-. G. K. Seymour. No. 1,225,186; May 8; v. 238; p. 425.
- Bucket, Grab-. W. H. Batten. No. 1,223,309; Apr. 17; v. 237; p. 874.
- Bucket, Grab-. W. H. Botten. No. 1,248,605; Dec. 4; v. 245; p. 53.
- Bucket, Grab-. E. E. Brosius. No. 1,214,997; Feb. 6; v. 235; p. 182.
- Bucket, Grab-. W. E. Watters. No. 1,218,343; Mar. 6; v. 236; p. 159.
- Bucket-handle. A. Z. Snyder. No. 1,226,403; May 15; v. 238; p. 882.
- Bucket, Hoisting-. E. E. Brosius. No. 1,228,526; June 5; v. 239; p. 52.

- Bucket, Hoisting-. A. E. Norris. No. 1,231,779; July 3; v. 240; p. 81.
- Bucket, Hoisting-. W. Rutan. No. 1,219,402; Mar. 13; v. 236; p. 563.
- Bucket, Hoisting-. J. H. Wilson. No. 1,222,834; Apr. 17; v. 237; p. 714.
- Bucket-holder. J. D. Moritz. No. 1,246,140; Nov. 13; v. 244; p. 328.
- Bucket mounting, Excavator-. R. M. Downie. No. 1,228,654; June 5; v. 239; p. 94.
- Bucket-operating device, Cargo-. E. E. Bissett. No. 1,225,215; May 8; v. 238; p. 434.
- Bucket or pail. H. B. Walter. No. 1,233,150; July 10; v. 240; p. 566.
- Bucket or scoop, Excavator. R. M. Downie. No. 1,237,878; Aug. 21; v. 241; p. 824.
- Bucket or shovel, Excavator. R. M. Downie. No. 1,237,879; Aug. 21; v. 241; p. 824.
- Bucket, Self-feeding calf-. J. Hubbard. No. 1,251,376; Dec. 25; v. 245; p. 982.
- Bucket, Well-. W. Behan. No. 1,251,325; Dec. 25; v. 245; p. 967.
- Bucket, Well-. E. H. Taylor. No. 1,224,040; Apr. 24; v. 237; p. 1163.
- Bucket, Well-. F. D. Walpole. No. 1,218,497; Mar. 6; v. 236; p. 209.
- Buckets, Dumping device for excavating-. F. T. Crowe. No. 1,234,734; July 31; v. 240; p. 1183.
- Buckets in a horizontal plane, Mechanism for turning derick-suspended grab-. G. K. Seymour. No. 1,225,185; May 8; v. 238; p. 424.
- Buckets, Operating mechanism for scraper-. J. R. McGiffert. No. 1,231,275; June 26; v. 239; p. 1095.
- Buckle. B. R. Benjamin. No. 1,234,718; July 31; v. 240; p. 1178.
- Buckle. C. E. Bradshaw. No. 1,238,096; Aug. 28; v. 241; p. 926.
- Buckle. E. S. Colby. No. 1,231,130; June 26; v. 239; p. 1048.
- Buckle. A. Côté. No. 1,212,328; Jan. 16; v. 234; p. 738.
- Buckle. D. F. Dalton. No. 1,246,725; Nov. 13; v. 244; p. 502.
- Buckle. G. L. Gilberthorpe. No. 1,212,622; Jan. 16; v. 234; p. 841.
- Buckle. H. E. Leibe. No. 1,235,820; Aug. 7; v. 241; p. 95.
- Buckle. J. W. Mallory. No. 1,233,092; July 10; v. 240; p. 546.
- Buckle. J. Malthy. No. 1,242,571; Oct. 9; v. 243; p. 392.
- Buckle. J. H. Mauzy. No. 1,214,052; Jan. 30; v. 234; p. 1400.
- Buckle. F. A. McGee. No. 1,245,749; Nov. 6; v. 244; p. 183.
- Buckle. G. R. Nettleton. No. 1,213,530; Jan. 23; v. 234; p. 1191.
- Buckle. G. R. Nettleton. No. 1,220,533; Mar. 27; v. 236; p. 1028.
- Buckle. M. J. Robinson. No. 1,232,978; July 10; v. 240; p. 510.
- Buckle. J. C. Staples. No. 1,247,030; Nov. 20; v. 244; p. 628.
- Buckle. H. J. Stuart. No. 1,236,121; Aug. 7; v. 241; p. 190.
- Buckle. J. Sturrock. No. 1,234,818; July 31; v. 240; p. 1207.
- Buckle. C. A. Swanson. No. 1,218,334; Mar. 6; v. 236; p. 156.
- Buckle. J. H. Tabler. No. 1,216,881; Feb. 20; v. 235; p. 931.
- Buckle. F. E. Vandercook. No. 1,239,849; Sept. 11; v. 242; p. 390.
- Buckle. C. Wilcox. No. 1,224,252; May 1; v. 238; p. 49.
- Buckle, Adjusting-. B. F. Orewiler. No. 1,249,812; Dec. 11; v. 245; p. 431.
- Buckle, &c., Back-band. L. W. Swafford. No. 1,233,932; July 17; v. 240; p. 856.
- Buckle, Bale-. H. P. Childress. No. 1,219,702; Mar. 20; v. 236; p. 698.
- Buckle, Bale-. H. P. Childress. No. 1,240,672; Sept. 18; v. 242; p. 682.
- Buckle, Bale-tie. E. A. Frantz. No. 1,219,283; Mar. 13; v. 236; p. 521.
- Buckle, Bale-tie. J. F. Hales. No. 1,251,226; Dec. 25; v. 245; p. 937.
- Buckle, Baling-tie. G. W. Furth. No. 1,226,876; May 22; v. 238; p. 1076.
- Buckle, Belt-. W. B. Ballou. (Reissue.) No. 14,316; June 19; v. 239; p. 907.
- Buckle, Belt-. J. Chabot. No. 1,227,115; May 22; v. 238; p. 1159.
- Buckle, Belt-. D. M. Cohn. No. 1,227,998; May 29; v. 238; p. 1484.
- Buckle, Belt-. D. M. Cohn. No. 1,250,970; Dec. 25; v. 245; p. 863.
- Buckle, Belt-. S. George. No. 1,230,886; June 26; v. 239; p. 963.
- Buckle, Binding-strap. E. A. McMillin. No. 1,235,827; Aug. 7; v. 241; p. 97.
- Buckle-clasp. A. Person. No. 1,246,995; Nov. 20; v. 244; p. 619.
- Buckle, Cloth-covered. J. B. Scutti. No. 1,213,695; Jan. 23; v. 234; p. 1247.
- Buckle for webbing. W. A. Holden. No. 1,232,546; July 10; v. 240; p. 368.
- Buckle for wristbands and similar uses. H. J. Collis. No. 1,223,671; Apr. 24; v. 237; p. 1037.
- Buckle, Ornamental. S. Rivelis. No. 1,225,358; May 8; v. 238; p. 485.
- Buckle, Shoe-. A. Kilstrom. No. 1,213,109; Jan. 16; v. 234; p. 1011.
- Buckle, Shoe-. L. Ostmann. No. 1,226,582; May 15; v. 238; p. 937.
- Buckling device. N. A. Anderson. No. 1,225,740; May 15; v. 238; p. 655.
- Buffer. W. H. Aspegren. No. 1,223,845; Apr. 24; v. 237; p. 1098.
- Buffer. J. C. F. McCauley. No. 1,217,033; Feb. 20; v. 235; p. 982.
- Buffer-bar support. C. M. Sager. No. 1,227,834; May 29; v. 238; p. 1428.
- Buffing and draft gear. B. F. Lively. No. 1,220,652; Mar. 27; v. 236; p. 1068.
- Buffing and polishing machine. L. L. Pfeifer. No. 1,246,996; Nov. 20; v. 244; p. 619.
- Buffing articles, Holding-forms for. C. S. Stacey. No. 1,215,735; Feb. 13; v. 235; p. 475.
- Buffing-machine. E. A. Kuen. No. 1,234,350; July 24; v. 240; p. 1026.
- Buffing-machine. E. A. Kuen. No. 1,234,351; July 24; v. 240; p. 1026.
- Buffing-machine. F. A. Thurston. No. 1,218,339; Mar. 6; v. 236; p. 158.
- Buffing or polishing machine. L. L. Pfeifer. No. 1,233,701; July 17; v. 240; p. 781.
- Buffing-roll. J. L. Small. No. 1,217,848; Feb. 27; v. 235; p. 1310.
- Buffing-wheel. A. L. Kraus. No. 1,238,925; Sept. 4; v. 242; p. 65.
- Buffing-wheels, Hood for. W. M. Hauser and J. McDaniel. No. 1,218,652; Mar. 13; v. 236; p. 301.
- Buffet, Portable serving-. J. L. Abadie. No. 1,240,163; Sept. 18; v. 242; p. 523.
- Bugging-machine. M. Harmon. No. 1,242,546; Oct. 9; v. 243; p. 382.
- Builder-motion. G. S. Harris. No. 1,246,814; Nov. 13; v. 244; p. 529.
- Builder-motion. A. E. Rhoades. No. 1,247,880; Nov. 27; v. 244; p. 906.
- Building and road material, Apparatus for treating. G. M. Von Hassel. No. 1,213,982; Jan. 30; v. 234; p. 1374.
- Building-block. A. De Ciciliani. No. 1,216,550; Feb. 20; v. 225; p. 818.
- Building-block. A. D. Converse. No. 1,245,440; Nov. 6; v. 244; p. 89.
- Building-block. J. Purdy. No. 1,236,483; Aug. 14; v. 241; p. 338.
- Building-block and making the same. F. J. Straub. No. 1,212,840; Jan. 16; v. 234; p. 917.
- Building-block, Hollow-tile. H. R. Straight. No. 1,212,417; Jan. 16; v. 234; p. 768.
- Building-block mold. G. M. Marshall. No. 1,219,127; Mar. 13; v. 236; p. 469.
- Building-block mold. G. M. Marshall. No. 1,220,526; Mar. 27; v. 236; p. 1025.
- Building block or brick, Child's. G. Tuck. No. 1,237,728; Aug. 21; v. 241; p. 778.
- Building block or tile. C. L. Hutchisson. No. 1,246,926; Nov. 20; v. 244; p. 599.
- Building-blocks, Apparatus for molding. J. V. Fisher. No. 1,249,942; Dec. 11; v. 245; p. 470.
- Building-board. J. Feigen. No. 1,227,767; May 29; v. 238; p. 1405.
- Building construction. C. R. Ballner. No. 1,222,174; Apr. 10; v. 237; p. 442.
- Building construction. M. Davis. No. 1,221,150; Apr. 3; v. 237; p. 52.
- Building construction. M. Davis. No. 1,221,151; Apr. 3; v. 237; p. 52.
- Building construction. W. H. Evers. (Reissue.) No. 14,352; Sept. 11; v. 242; p. 487.
- Building construction. C. W. Fellgren. No. 1,218,385; Mar. 6; v. 236; p. 173.
- Building construction. P. Gerhardt. No. 1,243,281; Oct. 16; v. 243; p. 647.
- Building construction. F. R. Hahn. No. 1,213,188; Jan. 23; v. 234; p. 1070.
- Building construction. R. Z. Hopkins. No. 1,226,214; May 15; v. 238; p. 816.
- Building construction. G. A. Leonard. No. 1,211,725; Jan. 9; v. 234; p. 493.
- Building construction. H. Ryan. No. 1,241,445; Sept. 25; v. 242; p. 956.
- Building construction. F. M. Sawyer. No. 1,240,492; Sept. 18; v. 242; p. 627.
- Building construction. J. and J. E. Schumacher. No. 1,242,609; Oct. 9; v. 243; p. 405.
- Building construction, Circular. A. Y. Caddell. No. 1,246,872; Nov. 20; v. 244; p. 582.
- Building construction, Sectional. W. H. Wells. No. 1,236,635; Aug. 14; v. 241; p. 387.
- Building construction, Support for sheet material in. B. Adey. No. 1,230,093; June 19; v. 239; p. 661.
- Building-construction unit. W. C. Schnabel. No. 1,250,031; Dec. 11; v. 245; p. 494.

Alphabetical list of inventions—Continued.

- Building-form. J. A. Stubbjare. No. 1,230,055; June 12; v. 239; p. 610.
- Building machine. Mica. J. A. Burns. No. 1,231,866; July 31; v. 240; p. 1222.
- Building material. E. J. Schroder. No. 1,218,217; Mar. 6; v. 236; p. 115.
- Building material, Composition for lithic. W. L. and C. B. Willing. No. 1,226,292; May 15; v. 238; p. 847.
- Building material, Waterproof. A. C. de Caudenberg. No. 1,220,401; Mar. 27; v. 236; p. 982.
- Building-plate, Metal. L. H. Dickelman. No. 1,226,477; May 15; v. 238; p. 904.
- Building purposes, Hollow block for. F. Burchartz. No. 1,215,106; Feb. 6; v. 235; p. 218.
- Building-screed. A. T. Gibson. No. 1,231,010; June 26; v. 239; p. 1007.
- Building, Sheet-metal. A. A. Kramer. No. 1,229,477; June 12; v. 239; p. 421.
- Building, Sheet-metal. A. A. Kramer. No. 1,229,478; June 12; v. 239; p. 421.
- Building structure, Metallic. T. Allsop and W. W. Sibson. No. 1,246,826; Nov. 13; v. 244; p. 533.
- Building structure, Knockdown. J. C. Wuellner. No. 1,237,137; Aug. 14; v. 241; p. 550.
- Building structure, Sectional-unit. A. C. Wendelken. No. 1,238,704; Aug. 28; v. 241; p. 1121.
- Buildings, Device for connecting outside wires to. P. C. Ragatzky. No. 1,213,011; Jan. 16; v. 234; p. 978.
- Buildings, Device for connecting outside wires to. P. C. Ragatzky. (Reissue). No. 1,431,2; June 5; v. 239; p. 284.
- Buildings, Sheathing for wooden. H. J. Evans. No. 1,236,829; Aug. 14; v. 241; p. 453.
- Bulb-mold, Screw-threaded. F. J. Moloney. No. 1,222,784; Apr. 17; v. 237; p. 697.
- Bulkhead. G. C. Bohn. No. 1,224,130; May 1; v. 238; p. 5.
- Bull and calf wheel. W. B. Wigle. No. 1,223,303; Apr. 17; v. 237; p. 872.
- Bull-hook. N. Pearson. No. 1,239,301; Sept. 4; v. 242; p. 186.
- Bull-staff. H. J. Ferris. No. 1,226,201; May 15; v. 238; p. 811.
- Bullet. W. S. Cutting. No. 1,244,298; Oct. 23; v. 243; p. 991.
- Bullet. O. V. Kean. No. 1,219,742; Mar. 20; v. 236; p. 711.
- Bullet, Jacketed. G. A. Muenzenmaier. No. 1,243,857; Oct. 23; v. 243; p. 858.
- Bullet-lubricator. J. Kaschenbach. No. 1,229,969; June 12; v. 239; p. 584.
- Bullet-making machine. A. E. Clegg and T. Jubb. No. 1,246,549; Nov. 13; v. 244; p. 452.
- Bullet-proof and like garment and covering for horses and articles exposed to acts of warfare. J. P. Wilks. No. 1,239,329; Sept. 4; v. 242; p. 195.
- Bullet-shield and protector. J. Matusek. No. 1,250,199; Dec. 18; v. 245; p. 583.
- Bullets and similar articles, Die for making. A. C. Gaynor. No. 1,234,654; July 24; v. 240; p. 1123.
- Bullets and similar articles, Making. A. C. Gaynor. No. 1,234,653; July 24; v. 240; p. 1123.
- Bullets, Mixture for impact illuminating. W. H. Buell. No. 1,242,879; Oct. 9; v. 243; p. 489.
- Bullets or explosives, Protection device for a person against. M. Jelalian. No. 1,246,274; Nov. 13; v. 244; p. 368.
- Bulletin. C. J. Webb. No. 1,239,324; Sept. 4; v. 242; p. 193.
- Bulletin apparatus, Changeable-character. F. E. Bentley. No. 1,219,693; Mar. 20; v. 236; p. 694.
- Bulletin-board. T. C. Shaw. No. 1,247,886; Nov. 27; v. 244; p. 908.
- Bumper. J. H. Sager. No. 1,235,728; Aug. 7; v. 241; p. 63.
- Bumper. J. H. Sager. No. 1,236,487; Aug. 14; v. 241; p. 340.
- Bundle-carrier. J. S. Cox. No. 1,246,239; Nov. 13; v. 244; p. 357.
- Bundle carrier and shocker attachment. R. F. McGuire. No. 1,220,865; Mar. 27; v. 236; p. 1141.
- Bundle carrier and shocker device, Combined. R. F. McGuire. No. 1,220,866; Mar. 27; v. 236; p. 1141.
- Bundle-loader. H. W. Graham. No. 1,232,284; July 3; v. 240; p. 250.
- Bundle loading and conveying machine. F. H. Rose. No. 1,219,489; Mar. 20; v. 236; p. 622.
- Bundle or bale ties, Fastener for. S. C. Cary. No. 1,222,930; Apr. 17; v. 237; p. 746.
- Bundling apparatus. J. S. Phifer. No. 1,242,471; Oct. 9; v. 243; p. 358.
- Bung and faucet, Combined. S. Rosenfeld. No. 1,248,720; Dec. 4; v. 245; p. 87.
- Bung and strainer, Combined. W. R. Brison. No. 1,218,975; Mar. 13; v. 236; p. 418.
- Bung-bushings, Apparatus for setting. A. C. Ludlum and A. Lowry. No. 1,244,997; Oct. 30; v. 243; p. 1240.
- Bung-bushings, Machine for setting. A. Lowry. No. 1,234,680; July 24; v. 240; p. 1131.
- Bung-hole closure. R. H. Norton. No. 1,241,757; Oct. 2; v. 243; p. 92.
- Bung-ring or spud. G. B. Pickop. No. 1,211,486; Jan. 9; v. 234; p. 413.
- Bunion-corrective appliance. W. P. Koppe. No. 1,245,468; Nov. 6; v. 244; p. 98.
- Bunion-protector. A. E. Block. No. 1,237,285; Aug. 21; v. 241; p. 634.
- Bunk, Foldable. W. O. Lathrop. No. 1,235,336; July 31; v. 240; p. 1367.
- Buoy, Marker. L. A. Carter and L. J. Rector. No. 1,215,908; Feb. 13; v. 235; p. 537.
- Bur-block. F. W. Miller. No. 1,220,256; Mar. 27; v. 236; p. 928.
- Bur-removing machine. S. Trood. No. 1,248,576; Dec. 4; v. 245; p. 44.
- Burglar-alarm. J. S. Alderman. No. 1,244,938; Oct. 30; v. 243; p. 1223.
- Burglar-alarm. J. O. Beneke. No. 1,230,267; June 19; v. 239; p. 726.
- Burglar-alarm. S. R. Brooks. No. 1,211,669; Jan. 9; v. 234; p. 476.
- Burglar-alarm. L. A. Collins. No. 1,229,034; June 5; v. 239; p. 222.
- Burglar-alarm. R. Fresh. No. 1,244,313; Oct. 23; v. 243; p. 996.
- Burglar-alarm. S. H. Harrington. No. 1,242,547; Oct. 9; v. 243; p. 382.
- Burglar-alarm. A. O. Hilley. No. 1,217,175; Feb. 27; v. 235; p. 1075.
- Burglar-alarm. J. Hlavaty. No. 1,229,080; June 5; v. 239; p. 226.
- Burglar-alarm. T. Koschade. No. 1,219,957; Mar. 20; v. 236; p. 787.
- Burglar-alarm. G. F. Lumb. No. 1,213,389; Jan. 23; v. 234; p. 1142.
- Burglar-alarm. C. Pieser. No. 1,226,009; May 15; v. 238; p. 746.
- Burglar-alarm. E. S. Toadvin. No. 1,212,285; Jan. 16; v. 234; p. 723.
- Burglar-alarm. L. Weitzman. No. 1,230,247; June 19; v. 239; p. 713.
- Burglar-alarm and latch. L. J. Brune. No. 1,227,994; May 29; v. 238; p. 1483.
- Burglar-alarm circuit-closer. J. Kellogg. No. 1,246,433; Nov. 13; v. 244; p. 417.
- Burglar-alarm lock. L. F. Lohrens. No. 1,214,695; Feb. 6; v. 235; p. 75.
- Burglar-alarm lock for windows, Safety. C. H. A. Bahde. No. 1,237,993; Aug. 21; v. 241; p. 861.
- Burglar-alarm, Portable. T. P. Ambrose. No. 1,218,038; Mar. 6; v. 236; p. 52.
- Burglar-alarm, Portable. J. M. Butcher. No. 1,241,484; Sept. 25; v. 242; p. 968.
- Burglar-alarm, Portable. L. Lemberg. No. 1,238,532; Aug. 28; v. 241; p. 1070.
- Burglar-alarm system. S. B. Hess. No. 1,223,789; Apr. 24; v. 237; p. 1079.
- Burglar-alarm system. R. W. Vail. No. 1,238,363; Aug. 28; v. 241; p. 1015.
- Burglar and fire alarm, Automatic. J. P. Rumpf. No. 1,246,471; Nov. 13; v. 244; p. 428.
- Burglar-catching device. A. Zubryd. No. 1,217,381; Feb. 27; v. 235; p. 1146.
- Burglar-trap. A. Chodakovski. No. 1,221,679; Apr. 3; v. 237; p. 235.
- Burglar-trap. J. J. Lutkiewicz. No. 1,250,605; Dec. 18; v. 245; p. 704.
- Burglary-alarm for buildings, &c., Protective. P. Roeder. No. 1,238,823; Sept. 4; v. 242; p. 33.
- Burial device. R. G. Schneec and F. W. Riley. No. 1,247,338; Nov. 20; v. 244; p. 716.
- Burner. See—
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| Acetylene-burner. | Liquid-fuel or oil burner. |
| Dental-furnace burner. | Long-time burner. |
| Fluid-fuel burner. | Oil-burner. |
| Gas-burner. | Oil and gas burner. |
| Gas and oil burner. | Pilot-burner. |
| Hydrocarbon-burner. | Pulverized-fuel burner. |
| Inclosed forced - draft burner. | Stove-burner. |
| Lamp-burner. | Stump-burner. |
| Lamp flame - regulating burner. | Refuse-burner. |
| Liquid-fuel burner. | Tar-burner. |
| | Vapor-burner. |
| | Vapor-generating burner. |
- Burner. C. A. Backstrom. No. 1,246,522; Nov. 13; v. 244; p. 443.
- Burner. L. S. Chadwick. No. 1,246,878; Nov. 20; v. 244; p. 584.
- Burner. L. S. Chadwick. No. 1,247,792; Nov. 27; v. 244; p. 882.
- Burner. C. Donaldson. No. 1,222,084; Apr. 10; v. 237; p. 408.
- Burner. A. Hayes. No. 1,241,111; Sept. 25; v. 242; p. 851.
- Burner. J. C. Hinz. No. 1,221,448; Apr. 3; v. 237; p. 157.
- Burner. G. W. Hopkins. No. 1,215,153; Feb. 6; v. 235; p. 233.
- Burner. A. J. Johnson. No. 1,231,369; June 26; v. 239; p. 1127.
- Burner. H. J. Mastenbrook. No. 1,241,135; Sept. 25; v. 242; p. 858.
- Burner. J. W. Porter. No. 1,229,517; June 12; v. 239; p. 435.
- Burner. J. W. Porter. No. 1,233,123; July 10; v. 240; p. 556.

- Burner. F. B. Schneider. No. 1,241,032; Sept. 25; v. 242; p. 827.
 Burner. F. H. Warner. No. 1,237,427; Aug. 21; v. 241; p. 681.
 Burner. F. T. Williams. No. 1,235,268; July 31; v. 240; p. 1346.
 Burner. W. H. Winslow. No. 1,214,735; Feb. 6; v. 235; p. 89.
 Burner and overcoming flame propagation therein. C. J. Nyquist. No. 1,248,895; Dec. 4; v. 245; p. 138.
 Burner for steam boilers and superheaters. A. E. Mueller. No. 1,226,570; May 15; v. 238; p. 934.
 Burner-lid. W. C. Lindemann. No. 1,219,014; Mar. 13; v. 236; p. 431.
 Burner-shaft handle. E. C. Everett. No. 1,247,804; Nov. 27; v. 244; p. 886.
 Burner-tube cleaner. F. H. Marriott. No. 1,251,074; Dec. 25; v. 245; p. 893.
 Burners, Automatic cut-off for gas. T. A. Payne. No. 1,235,155; July 31; v. 240; p. 1311.
 Burners, Fuel-governor for oil. J. C. Auckland and E. P. Hildebrand. No. 1,230,979; June 26; v. 239; p. 996.
 Burners, Heating attachment for. F. Leach. No. 1,217,464; Feb. 27; v. 235; p. 1175.
 Burners, Oil-supply system for. H. G. Liebzelt. No. 1,212,078; Jan. 9; v. 234; p. 618.
 Burners, Self-igniter for. T. G. Amsden. No. 1,246,374; Nov. 13; v. 244; p. 399.
 Burners, Slag-pan for fine-fuel. W. D. Wood. No. 1,234,848; July 31; v. 240; p. 1215.
 Burners, Wick-tube for hydrocarbon-. C. W. Davis and V. S. Johnson. No. 1,229,043; June 5; v. 239; p. 224.
 Burning liquids, Device for projecting. W. A. Hall. No. 1,220,103; Mar. 20; v. 236; p. 838.
 Burning powdered coal, Apparatus for. A. J. Grindle. No. 1,228,769; June 5; v. 239; p. 135.
 Burnishing-machine. L. J. Van Guelpen and W. Stuebing, Jr. No. 1,227,221; May 22; v. 238; p. 1194.
 Burnishing-machine, Friction-heated. F. M. Furber. No. 1,246,902; Nov. 20; v. 244; p. 593.
 Burnt pyrites and the like, Treating. E. R. Sutcliffe. No. 1,245,634; Nov. 6; v. 244; p. 150.
 Bushing. S. Rosenfeld. No. 1,248,721; Dec. 4; v. 245; p. 87.
 Bushing. E. H. Waugh. No. 1,229,837; June 12; v. 239; p. 542.
 Bushing, Adjustable. A. Starr. No. 1,242,066; Oct. 2; v. 243; p. 190.
 Bushing and forming same, Metal. W. C. Osterholm. No. 1,213,684; Jan. 23; v. 234; p. 1243.
 Bushing and making same. H. H. Doehler. No. 1,249,920; Dec. 11; v. 245; p. 464.
 Bushing for bungs. A. C. Ludlum. No. 1,226,090; May 15; v. 238; p. 775.
 Bushing, Self-lubricating. W. E. Sheehy. No. 1,218,808; Mar. 13; v. 236; p. 360.
 Bushing, Self-oiling. J. D. Jones. No. 1,230,823; June 19; v. 239; p. 904.
 Bushing, Winding-core. L. and J. Carlino. No. 1,241,193; Sept. 25; v. 242; p. 877.
 Bushings, Take-up for. W. H. Reagan, Jr. No. 1,220,784; Mar. 27; v. 236; p. 1111.
 Business-register. W. R. Baldwin. No. 1,246,843; Nov. 20; v. 244; p. 574.
 Bust-developer. J. F. Thomas. No. 1,222,494; Apr. 10; v. 237; p. 555.
 Bust-supporter. D. Kops. No. 1,233,250; July 10; v. 240; p. 597.
 Butcher's implement. G. Frohmann. No. 1,220,970; Mar. 27; v. 236; p. 1174.
 Butt and casing gage. R. P. Standeford. No. 1,243,456; Oct. 16; v. 243; p. 699.
 Butt-hook, Safety. P. A. Wickes. No. 1,232,417; July 3; v. 240; p. 292.
 Butter and lard cutter. P. A. Maltais. No. 1,235,355; July 31; v. 240; p. 1372.
 Butter container and cutter. G. E. Terry. No. 1,213,433; Jan. 23; v. 234; p. 1157.
 Butter-cutter. J. E. Howard. No. 1,219,738; Mar. 20; v. 236; p. 710.
 Butter-cutter. J. F. Scanlan. No. 1,221,224; Apr. 3; v. 237; p. 79.
 Butter-cutter. J. F. Scanlan. No. 1,249,513; Dec. 11; v. 245; p. 344.
 Butter-cutter. R. A. Simpson. No. 1,236,219; Aug. 7; v. 241; p. 223.
 Butter-cutter. D. Takahashi. No. 1,240,387; Sept. 18; v. 242; p. 595.
 Butter-dispensing apparatus. N. Kavgas. No. 1,217,953; Mar. 6; v. 236; p. 23.
 Butter making and molding machine. C. Volkmann. No. 1,211,508; Jan. 9; v. 234; p. 421.
 Butter-mixer. R. T. Markee and J. R. Fought. No. 1,232,356; July 3; v. 240; p. 274.
 Butter patties, Apparatus for dispensing. B. D. Straight. No. 1,216,624; Feb. 20; v. 235; p. 845.
 Butter pressing and molding machine. J. Karolle. No. 1,217,460; Feb. 27; v. 235; p. 1175.
 Butter, Producing. A. Fay. No. 1,210,782; Jan. 2; v. 234; p. 139.
 Butter, Renovating. H. B. Elgelberner. No. 1,210,918; Jan. 2; v. 234; p. 187.
 Butter substitute. R. H. Adams and H. Beatty. No. 1,247,482; Nov. 20; v. 244; p. 757.
 Butter substitute. R. H. Adams and H. Beatty. No. 1,247,483; Nov. 20; v. 244; p. 758.
 Butter-worker. C. F. Hacker. No. 1,231,731; July 3; v. 240; p. 66.
 Button. W. T. Abel. No. 1,221,009; Apr. 3; v. 237; p. 3.
 Button. J. C. Engels. No. 1,244,436; Oct. 23; v. 243; p. 1031.
 Button. J. Fox. No. 1,218,542; Mar. 6; v. 236; p. 225.
 Button. J. Heineman. No. 1,229,452; June 12; v. 239; p. 412.
 Button. R. Q. Jordan. No. 1,231,902; July 3; v. 240; p. 123.
 Button. A. Levy. No. 1,218,095; Mar. 6; v. 236; p. 72.
 Button. F. G. Neuberth. No. 1,210,677; Jan. 2; v. 234; p. 104.
 Button. J. V. Pilcher. No. 1,226,692; May 22; v. 238; p. 1012.
 Button. J. V. Pilcher. (Reissue.) No. 14,342; Aug. 7; v. 241; p. 274.
 Button. R. Seligmann. No. 1,230,804; June 19; v. 239; p. 897.
 Button. E. Teska. No. 1,215,217; Feb. 6; v. 235; p. 256.
 Button. L. W. Webber. No. 1,232,633; July 10; v. 240; p. 395.
 Button. P. J. Whelan. No. 1,243,024; Oct. 16; v. 243; p. 570.
 Button. J. F. Zak. No. 1,216,535; Feb. 20; v. 235; p. 812.
 Button and belt hook, Combination suspender-. A. C. Camp. No. 1,223,932; Apr. 24; v. 237; p. 1127.
 Button and buttonhole marker combined. J. A. Gorman. No. 1,225,615; May 8; v. 238; p. 571.
 Button and fastening device therefor. H. Edelson. No. 1,227,124; May 22; v. 238; p. 1162.
 Button and necktie-holder, Combined back collar-. J. D. Romer. No. 1,230,519; June 19; v. 239; p. 804.
 Button and necktie-slide, Combined collar-. V. Kost. No. 1,235,982; Aug. 7; v. 241; p. 148.
 Button and sleeve-holder, Cuff-. C. H. Smith. No. 1,250,372; Dec. 18; v. 245; p. 634.
 Button-attaching machine. L. E. Poole. No. 1,215,987; Feb. 13; v. 235; p. 565.
 Button-attaching machines, Button-feeding mechanism for. A. C. Stenman. No. 1,224,972; May 8; v. 238; p. 352.
 Button-attaching machines, Button-feeding mechanism for. A. E. Tolin. No. 1,239,846; Sept. 11; v. 242; p. 389.
 Button-attachment washer. W. E. Elliott. No. 1,220,829; Mar. 27; v. 236; p. 1129.
 Button-blanking-out die. J. S. Birnzwieg. No. 1,229,572; June 12; v. 239; p. 454.
 Button, Cap-. L. R. Carley. No. 1,219,916; Mar. 20; v. 236; p. 772.
 Button-clasp. C. E. Bradshaw. No. 1,222,724; Apr. 17; v. 237; p. 677.
 Button, Collar-. A. E. Davison. No. 1,247,231; Nov. 20; v. 244; p. 687.
 Button, Collar-. F. Milos. No. 1,229,773; June 12; v. 239; p. 520.
 Button, Collar-. T. J. Nelis. No. 1,240,476; Sept. 18; v. 242; p. 622.
 Button, Collar-. S. Rippe. No. 1,218,318; Mar. 6; v. 236; p. 151.
 Button, Collar-. C. E. Rowe. No. 1,246,163; Nov. 13; v. 244; p. 335.
 Button, Collar-. O. W. Schulz. No. 1,218,483; Mar. 6; v. 236; p. 205.
 Button, Cuff-. L. L. Houser. No. 1,228,212; May 29; v. 238; p. 1553.
 Button, Cuff-. C. E. Luck. No. 1,246,124; Nov. 13; v. 244; p. 323.
 Button, Cuff-. J. H. Orpin. No. 1,212,667; Jan. 16; v. 234; p. 859.
 Button, Cuff-. H. C. Thomas. No. 1,220,908; Mar. 27; v. 236; p. 1154.
 Button, Detachable. F. R. Aldridge. No. 1,239,070; Sept. 4; v. 242; p. 112.
 Button, Detachable. F. J. Anderson. No. 1,219,902; Mar. 20; v. 236; p. 768.
 Button, Detachable. C. O. F. Hellström. No. 1,239,104; Sept. 4; v. 242; p. 123.
 Button, Detachable. R. Sudlah. No. 1,219,188; Mar. 13; v. 236; p. 489.
 Button, Detachable. T. E. Van Metre. No. 1,235,171; July 31; v. 240; p. 1316.
 Button-die. M. Menkin. No. 1,251,078; Dec. 25; v. 245; p. 894.
 Button-fastener. A. G. Brandt. No. 1,214,505; Feb. 6; v. 235; p. 7.
 Button-fastener. C. A. Goozey. No. 1,237,326; Aug. 21; v. 241; p. 648.
 Button-fastener. N. M. Holste. No. 1,225,814; May 15; v. 238; p. 680.
 Button-fastener. F. A. Kaeding. No. 1,214,312; Jan. 30; v. 234; p. 1490.
 Button-fastener. E. C. Ten Brook. No. 1,220,138; Mar. 20; v. 236; p. 553.
 Button-fastener. L. M. Young. No. 1,245,852; Nov. 6; v. 244; p. 216.

Alphabetical list of inventions—Continued.

- Button-fastening. J. Benbenek. No. 1,215,100; Feb. 6; v. 235; p. 216.
- Button-fastening machine. F. R. White. No. 1,230,965; June 26; v. 239; p. 990.
- Button-fastening machine, Shoe-. A. W. Buehler. No. 1,244,466; Oct. 30; v. 243; p. 1079.
- Button-fastening machine, Shoe-. L. R. Pomeroy. No. 1,240,874; Sept. 25; v. 242; p. 778.
- Button-fastening machines, Hopper-slide-control means for shoe-. A. Buehler. No. 1,218,051; Mar. 6; v. 236; p. 57.
- Button-fastening machines, Wire-release means for shoe-. F. G. Waltz. No. 1,220,574; Mar. 27; v. 236; p. 1042.
- Button-feed control. F. G. Waltz. No. 1,218,139; Mar. 6; v. 236; p. 88.
- Button-feeding and attaching device. J. J. Brell. No. 1,212,181; Jan. 16; v. 234; p. 682.
- Button-feeding device. B. Dubl. No. 1,217,926; Mar. 6; v. 236; p. 14.
- Button-feeding machine. P. Eby and J. A. Carron. No. 1,237,315; Aug. 21; v. 241; p. 644.
- Button-feeding machine. H. Hastings. No. 1,240,202; Sept. 18; v. 242; p. 536.
- Button-feeding mechanism. L. R. Carley. No. 1,230,860; June 26; v. 239; p. 955.
- Button-feeding mechanism. I. Larsen. No. 1,239,797; Sept. 11; v. 242; p. 372.
- Button-feeding mechanism. L. E. Poole. No. 1,227,825; May 29; v. 238; p. 1425.
- Button-feeding mechanism. L. E. Poole. No. 1,229,134; June 5; v. 239; p. 255.
- Button-feeding mechanism for shoe-button-attaching machines. J. F. Reed. No. 1,232,841; July 10; v. 240; p. 465.
- Button guard, Cuff-. N. E. McMahon. No. 1,211,469; Jan. 9; v. 234; p. 403.
- Button guard, Cuff-. R. H. Stevens. No. 1,216,510; Feb. 20; v. 235; p. 804.
- Button or clasp. F. P. Burnett and V. M. Van Brunt. No. 1,214,272; Jan. 30; v. 234; p. 1475.
- Button or fastener, Snap. E. A. Jantzer. No. 1,225,818; May 15; v. 238; p. 682.
- Button-hook. L. Schwitzgebel. No. 1,242,248; Oct. 9; v. 243; p. 288.
- Button-placing-finger control. A. W. Buehler. No. 1,220,599; Mar. 27; v. 236; p. 1051.
- Button-protector. C. F. Scheffer and J. Zimmerman. No. 1,216,735; Feb. 20; v. 235; p. 881.
- Button retainer, Cuff-. V. W. Klierath and L. C. Carlton. No. 1,235,575; Aug. 7; v. 241; p. 15.
- Button, Separable link-. I. R. Lederer. No. 1,214,044; Jan. 30; v. 234; p. 1397.
- Button, Separable-link cuff-. C. E. Skoog. No. 1,250,039; Dec. 11; v. 245; p. 496.
- Button-setting machine. M. S. Elliott. (Reissue.) No. 1,344; Aug. 21; v. 241; p. 888.
- Button-setting machines, Tack-feeding mechanism for. F. E. Warner and W. T. Leggett. No. 1,229,173; June 5; v. 239; p. 269.
- Button, Soft-collar. A. Hadley. No. 1,229,607; June 12; v. 239; p. 466.
- Button-stapling machine. J. Schweiss. No. 1,244,135; Oct. 23; v. 243; p. 941.
- Button, Trimming-. J. H. Styles. No. 1,227,501; May 22; v. 238; p. 1285.
- Buttons and the like, Machine for making. H. Brand. No. 1,218,742; Mar. 13; v. 236; p. 335.
- Buttons, Cutting. H. Hastings. No. 1,219,455; Mar. 20; v. 236; p. 611.
- Buttons, Die for blanking out and piercing. J. S. Birn-zweig. No. 1,242,644; Oct. 9; v. 243; p. 415.
- Buttons, Forming. H. Hastings. No. 1,241,467; Sept. 25; v. 242; p. 962.
- Buttons, Guard for link cuff-. A. C. Hage. No. 1,240,845; Sept. 25; v. 242; p. 770.
- Buttons, Making. J. L. Lynch. No. 1,215,675; Feb. 13; v. 235; p. 456.
- Buttons, Safety-catch for cuff-. C. H. Morison. No. 1,227,293; May 22; v. 238; p. 1217.
- Buttons to garments, Means for attaching. P. K. Karberg. No. 1,251,236; Dec. 25; v. 245; p. 940.
- Buttonhole-feeding mechanism. E. C. Gerstenberger. No. 1,230,698; June 19; v. 239; p. 863.
- Buttonhole-finishing machine. L. St. Clair. No. 1,212,580; Jan. 16; v. 234; p. 826.
- Buttonhole-location marker. C. H. T. Hagelstein. No. 1,211,438; Jan. 9; v. 234; p. 398.
- Buttonhole-spacing apparatus. A. B. Spencer and F. E. Walker. No. 1,237,569; Aug. 21; v. 241; p. 726.
- Buttonholes and reinforcement thereof, Construction of. J. H. Reed. No. 1,239,433; Sept. 4; v. 242; p. 227.
- Cabinet. C. W. Almon. No. 1,240,402; Sept. 18; v. 242; p. 599.
- Cabinet. H. W. Bertram. No. 1,231,233; June 26; v. 239; p. 1082.
- Cabinet. H. L. Cowies. No. 1,244,474; Oct. 30; v. 243; p. 1081.
- Cabinet. A. C. Erickson. No. 1,231,005; June 26; v. 239; p. 1005.
- Cabinet. J. Herzog. No. 1,214,676; Feb. 6; v. 235; p. 69.
- Cabinet. J. Herzog. No. 1,214,677; Feb. 6; v. 235; p. 69.
- Cabinet. A. D. Kaub. No. 1,227,799; May 29; v. 238; p. 1415.
- Cabinet. C. N. Leonard. No. 1,236,324; Aug. 7; v. 241; p. 254.
- Cabinet. M. B. Martin. No. 1,244,879; Oct. 30; v. 243; p. 1205.
- Cabinet. F. W. Tobey. No. 1,238,957; Sept. 4; v. 242; p. 76.
- Cabinet. P. A. Wetzel. No. 1,245,543; Nov. 6; v. 244; p. 122.
- Cabinet. C. B. Yaw. No. 1,237,009; Aug. 14; v. 241; p. 510.
- Cabinet, Advertising-. A. S. Machen. (Reissue.) No. 1,285; Apr. 17; v. 237; p. 890.
- Cabinet and hanger therefor, Map-. T. H. Costello. No. 1,233,318; July 17; v. 240; p. 654.
- Cabinet and refrigerator. T. J. Polk. No. 1,242,235; Oct. 9; v. 243; p. 284.
- Cabinet and refrigerator, Combined. T. C. Fleming. No. 1,241,104; Sept. 25; v. 242; p. 849.
- Cabinet, Ash-sifting. I. Madura. No. 1,246,293; Nov. 13; v. 244; p. 374.
- Cabinet, Assorting-. C. B. Ford, E. H. Loy, and J. J. Heeter. No. 1,225,607; May 8; v. 238; p. 568.
- Cabinet, Baking-. J. Lawson. No. 1,243,192; Oct. 16; v. 243; p. 622.
- Cabinet, Card-index. F. S. Long. No. 1,231,274; June 26; v. 239; p. 1095.
- Cabinet, Coal-. W. B. Armstrong. No. 1,224,590; May 1; v. 238; p. 170.
- Cabinet, Coin-controlled. E. Blum and G. Müller. No. 1,211,060; Jan. 2; v. 234; p. 236.
- Cabinet-covers, Control for. R. H. Ward. No. 1,210,875; Jan. 2; v. 234; p. 171.
- Cabinet, Cream-storing. T. L. Valerius. No. 1,212,586; Jan. 16; v. 234; p. 828.
- Cabinet Delivery-. H. T. and J. E. Bartlett, and J. T. Robinson. No. 1,239,663; Sept. 11; v. 242; p. 329.
- Cabinet, Disinfecting-. P. V. Tuell. No. 1,227,860; May 29; v. 238; p. 1437.
- Cabinet, Disk-record. N. A. Apostolopoulos. No. 1,224,352; May 1; v. 238; p. 86.
- Cabinet, Dispensing-. J. W. Patterson. No. 1,244,889; Oct. 30; v. 243; p. 1208.
- Cabinet, Dispensing-. D. M. Ross. No. 1,229,525; June 12; v. 239; p. 438.
- Cabinet, Dispensing-. S. Wheeler. No. 1,211,510; Jan. 9; v. 234; p. 422.
- Cabinet, Display-. C. B. Swartz. No. 1,241,164; Sept. 25; v. 242; p. 867.
- Cabinet, Dressing-. J. M. Keller. No. 1,247,964; Nov. 27; v. 244; p. 930.
- Cabinet, Druggist's. H. L. Marburger. No. 1,219,976; Mar. 20; v. 236; p. 793.
- Cabinet, Dustless trousers-. S. O'Neal. No. 1,219,854; Mar. 20; v. 236; p. 750.
- Cabinet, Folding-table. J. K. Campbell. No. 1,210,415; Jan. 2; v. 234; p. 12.
- Cabinet for electrical appliances. E. M. Crane and C. R. Pelton. No. 1,214,433; Jan. 30; v. 234; p. 1529.
- Cabinet for panel-boards. C. D. Platt. No. 1,219,864; Mar. 20; v. 236; p. 754.
- Cabinet for vehicles. E. McBurney. No. 1,239,021; Sept. 4; v. 242; p. 97.
- Cabinet, Grease-. J. and D. Runyen. No. 1,215,313; Feb. 6; v. 235; p. 289.
- Cabinet, Heat-resisting. W. V. Dick. No. 1,249,604; Dec. 11; v. 245; p. 369.
- Cabinet, Index sheet-music. R. B. Kent. No. 1,233,368; July 17; v. 240; p. 671.
- Cabinet, Kitchen-. C. C. Becker. No. 1,215,240; Feb. 6; v. 235; p. 264.
- Cabinet, Kitchen-. H. W. Bertram. No. 1,219,412; Mar. 13; v. 236; p. 567.
- Cabinet, Kitchen-. D. F. Dyke. No. 1,215,261; Feb. 6; v. 235; p. 272.
- Cabinet, Kitchen-. W. E. Egbert. No. 1,221,796; Apr. 3; v. 237; p. 276.
- Cabinet, Kitchen-. M. C. Powell. No. 1,225,054; May 8; v. 238; p. 380.
- Cabinet, Kitchen-. W. Sellers. No. 1,213,279; Jan. 23; v. 234; p. 1102.
- Cabinet, Kitchen-. W. Sellers. No. 1,226,708; May 22; v. 238; p. 1018.
- Cabinet, Kitchen-. W. F. Wallace. No. 1,240,519; Sept. 18; v. 242; p. 635.
- Cabinet, Label-. H. C. Hawley. No. 1,248,653; Dec. 4; v. 245; p. 66.
- Cabinet, Map-. T. H. Costello. No. 1,233,316; July 17; v. 240; p. 654.
- Cabinet, Map-. T. H. Costello. No. 1,233,317; July 17; v. 240; p. 654.
- Cabinet, Metallic. A. C. Terrell. No. 1,238,215; Aug. 28; v. 241; p. 966.
- Cabinet, Millinery-. L. B. Jones. No. 1,225,641; May 8; v. 238; p. 578.
- Cabinet, Musical. J. E. Birdsall. No. 1,248,785; Nov. 27; v. 244; p. 880.
- Cabinet, Post-office. M. J. Cleary, Jr. No. 1,232,500; July 10; v. 240; p. 355.
- Cabinet, Record-. A. M. Brexendorf. No. 1,226,301; May 15; v. 238; p. 850.
- Cabinet, Record-. H. B. Loos. No. 1,248,142; Nov. 27; v. 244; p. 979.

- Cabinet, Record-. J. L. Reese. No. 1,235,380; July 31; v. 240; p. 1379.
- Cabinet, Revolving lace-. A. L. Brouillette. No. 1,228,878; June 5; v. 239; p. 172.
- Cabinet, Ribbon-. D. R. Murphy and H. W. Blankenship. No. 1,218,886; Mar. 13; v. 236; p. 388.
- Cabinet, Serving-. E. Brooks. No. 1,242,916; Oct. 16; v. 243; p. 535.
- Cabinet, Shaver's. W. A. Taylor. No. 1,226,723; May 22; v. 238; p. 1023.
- Cabinet, Sheet-metal kitchen-. O. M. Otte. No. 1,246,313; Nov. 13; v. 244; p. 380.
- Cabinet, Staining and finishing. J. A. Brandt. No. 1,213,832; Jan. 30; v. 234; p. 1323.
- Cabinet, Stamp-affixer. J. S. Bates. No. 1,212,314; Jan. 16; v. 234; p. 733.
- Cabinet, Sterilizing-. O. A. Hollis. No. 1,223,490; Apr. 24; v. 237; p. 971.
- Cabinet, Storage-. E. O. Bennett. No. 1,229,212; June 12; v. 239; p. 331.
- Cabinet, Towel-. W. H. Brew. No. 1,243,670; Oct. 16; v. 243; p. 764.
- Cabinet, Towel-. I. H. Shattuck. No. 1,229,533; June 12; v. 239; p. 440.
- Cabinet, Towel-. F. W. Stockton. No. 1,240,620; Sept. 18; v. 242; p. 664.
- Cabinets, Door-operating mechanism for kitchen-. E. C. Ash. No. 1,213,141; Jan. 23; v. 234; p. 1054.
- Cabinets, Sliding shelf for kitchen-. C. Mahoney. No. 1,227,813; May 29; v. 238; p. 1421.
- Cable-armor. H. R. Gilson. No. 1,215,365; Feb. 13; v. 235; p. 341.
- Cable-armorng machine. G. E. Mirfield and F. H. Nullmeyer. No. 1,230,008; June 12; v. 239; p. 596.
- Cable-block. J. R. McGiffert. No. 1,243,847; Oct. 23; v. 243; p. 856.
- Cable-box. A. A. Wakefield. No. 1,223,750; Apr. 24; v. 237; p. 1065.
- Cable-carrier apparatus. G. A. Amsden. No. 1,226,740; May 22; v. 238; p. 1029.
- Cable-carrier apparatus, Multiple-drop station for. G. A. Amsden. No. 1,215,234; Feb. 6; v. 235; p. 262.
- Cable-clamp. F. J. Barger. No. 1,248,991; Dec. 4; v. 245; p. 163.
- Cable-clamp. J. H. Gledhill. No. 1,223,961; Apr. 24; v. 237; p. 1137.
- Cable-clamp. G. E. Rohmer. No. 1,246,325; Nov. 13; v. 244; p. 384.
- Cable-clamp. O. F. Shepard. No. 1,236,115; Aug. 7; v. 241; p. 189.
- Cable connections, Thimble for. G. F. Swortfeger. No. 1,243,459; Oct. 16; v. 243; p. 700.
- Cable connector, Armored-. H. R. Gilson. No. 1,215,366; Feb. 13; v. 235; p. 341.
- Cable-connector, Mining-machine. T. G. Fear. No. 1,210,445; Jan. 2; v. 234; p. 24.
- Cable construction. E. B. Livy. No. 1,239,410; Sept. 4; v. 242; p. 220.
- Cable ends, Means for and method of fastening. A. Orr. No. 1,214,709; Feb. 6; v. 235; p. 80.
- Cable-grip. H. F. Ellard. No. 1,217,163; Feb. 27; v. 235; p. 1072.
- Cable-grip. A. Johnson. No. 1,244,093; Oct. 23; v. 243; p. 929.
- Cable gripping and stretching device. I. B. and G. A. Segerdahl. No. 1,244,136; Oct. 3; v. 243; p. 941.
- Cable-gripping device, Wire-. G. Moe. No. 1,218,442; Mar. 6; v. 236; p. 192.
- Cable-guard. G. B. Wessel. No. 1,221,006; Mar. 27; v. 236; p. 1186.
- Cable-hanger. D. G. Edwards. No. 1,215,009; Feb. 6; v. 235; p. 187.
- Cable-hanger. J. Blackburn. No. 1,240,169; Sept. 18; v. 242; p. 524.
- Cable-hanger. J. Kennedy. No. 1,239,108; Sept. 4; v. 242; p. 125.
- Cable-joint. J. M. Houff. No. 1,251,375; Dec. 25; v. 245; p. 982.
- Cable or rope, Conveyer. H. F. Ellard. No. 1,225,020; May 8; v. 238; p. 369.
- Cable-pothead. G. F. Mainer. No. 1,229,995; June 12; v. 239; p. 591.
- Cable-pulling clamp. W. G. B. Euler. No. 1,244,043; Oct. 23; v. 243; p. 915.
- Cable-reeling means. G. E. Mirfield and F. H. Nullmeyer. No. 1,230,009; June 12; v. 239; p. 596.
- Cable-ring-forming machine. J. W. Ford. No. 1,239,583; Sept. 11; v. 242; p. 304.
- Cable-socket. J. A. Phillips. No. 1,238,811; Sept. 4; v. 242; p. 29.
- Cable-splice. E. W. Beardsley and P. W. Ham. No. 1,241,809; Oct. 2; v. 243; p. 108.
- Cable take-up. W. C. F. Zimmerman. No. 1,245,854; Nov. 6; v. 244; p. 216.
- Cable-take-up device, Automatic. H. S. Atkinson and H. J. Brendlin. No. 1,235,092; July 31; v. 240; p. 1293.
- Cable-tap, Jumper. A. F. Hills and J. J. Dossert. No. 1,250,175; Dec. 18; v. 245; p. 576.
- Cable-terminal. D. Woodhead. No. 1,227,726; May 29; v. 238; p. 1390.
- Cable-tracors, Swivel-carriage for. A. and L. A. Hubert. No. 1,235,032; July 31; v. 240; p. 1275.
- Cable-twisting device. P. A. Welsby. No. 1,211,020; Jan. 2; v. 234; p. 223.
- Cable-winch. E. Y. Moore. No. 1,249,169; Dec. 4; v. 245; p. 214.
- Cable-winding machine. W. E. Somerville. No. 1,218,009; Mar. 6; v. 236; p. 42.
- Cables and the like, Jack or device for spreading. G. R. Morris. No. 1,228,805; June 5; v. 239; p. 148.
- Cables and the like, Splicing-clamp for. J. F. Dillon. No. 1,236,551; Aug. 14; v. 241; p. 361.
- Cables, Button-stop for. C. L. Wachter. No. 1,218,138; Mar. 6; v. 236; p. 87.
- Cables, Connection-sleeve for. J. T. Madigan. No. 1,246,970; Nov. 20; v. 244; p. 611.
- Cables, &c., Coupling for. R. W. Douglas. No. 1,243,493; Oct. 16; v. 243; p. 711.
- Cables, Method of and means for quadruplexing. I. Kitsee. No. 1,219,110; Mar. 13; v. 236; p. 463.
- Cableway. C. McGuire. No. 1,222,007; Apr. 10; v. 237; p. 383.
- Cableway. E. D. Swan. No. 1,226,405; May 15; v. 238; p. 882.
- Cableway-conveying system. W. M. Shaw. No. 1,212,269; Jan. 16; v. 234; p. 717.
- Caddy-bag and the like receptacle. W. Kehlenger. No. 1,236,313; Aug. 7; v. 241; p. 250.
- Cadmium compound of the acridin series, and making the same. P. Hüssey and M. Hartmann. No. 1,228,926; June 5; v. 239; p. 186.
- Cage, Mobile poultry and animal. A. S. Holland. No. 1,212,771; Jan. 16; v. 234; p. 895.
- Caisson. J. C. Meem. No. 1,246,136; Nov. 13; v. 244; p. 327.
- Caissons, Joining. J. W. Doty. No. 1,215,504; Feb. 13; v. 235; p. 391.
- Cake and biscuit cutter and lifter. J. Satterquist and N. C. Nelson. No. 1,237,826; Aug. 21; v. 241; p. 808.
- Cake-coating machines, Feeding device for. P. D. Harton. No. 1,216,230; Feb. 13; v. 235; p. 653.
- Cake-cutting machine. E. S. Gabriel and D. Lombard. No. 1,230,288; June 19; v. 239; p. 727.
- Cake-molding pan. M. C. Lee. No. 1,231,626; July 3; v. 240; p. 29.
- Cake-pan. M. B. Jones. No. 1,229,280; June 12; v. 239; p. 354.
- Cake-pan. W. E. Tomlinson. No. 1,229,825; June 12; v. 239; p. 538.
- Cake-turner. J. Addison. No. 1,224,351; May 1; v. 238; p. 86.
- Cake-turner. F. Eckert. No. 1,214,522; Feb. 6; v. 235; p. 14.
- Cake-turner. V. E. Fagerstrom. No. 1,237,317; Aug. 21; v. 241; p. 645.
- Cake-turner. J. Hanson. No. 1,219,818; Mar. 20; v. 236; p. 738.
- Cakes, crackers, and other articles, Automatic stacking-machine for. P. Rasmussen. No. 1,217,345; Feb. 27; v. 235; p. 1132.
- Calandria for vacuum drying-pans and the like. H. S. Truscott. No. 1,249,557; Dec. 11; v. 245; p. 356.
- Calcimine and making same. R. W. Cornelison. No. 1,244,033; Oct. 23; v. 243; p. 912.
- Calclmines, Preparation of ingredients for the production of colored. A. B. Merry. No. 1,247,128; Nov. 20; v. 244; p. 657.
- Calclning-furnace. W. R. Clymer. No. 1,228,475; Apr. 24; v. 237; p. 966.
- Calcium acetyl salicylate, Manufacture of. A. Busch and R. Lauch. No. 1,225,407; May 8; v. 238; p. 501.
- Calcium arsenate, Making. G. R. Riches and W. C. Piver. No. 1,237,815; Aug. 21; v. 241; p. 804.
- Calcium cyanamid, Apparatus for the treatment of. G. W. Sinclair. No. 1,211,252; Jan. 2; v. 234; p. 302.
- Calcium from magnesium contained in saline solutions, Separating. C. Glaser. No. 1,242,434; Oct. 9; v. 243; p. 346.
- Calcium hypochlorite, Manufacture of. G. Pistor and H. Reitz. No. 1,236,978; Aug. 14; v. 241; p. 500.
- Calcium or other metal cyanamid, Making. J. H. Reed. No. 1,241,020; Sept. 25; v. 242; p. 823.
- Calcium phosphate, Treatment of natural. E. Ciselet and C. Deguide. No. 1,214,008; Jan. 30; v. 234; p. 1384.
- Calculating apparatus. P. F. W. C. Krippendorf. No. 1,212,231; Jan. 16; v. 234; p. 701.
- Calculating apparatus. E. H. Palmer and W. S. Kinsley. No. 1,212,251; Jan. 16; v. 234; p. 709.
- Calculating appliance. P. B. Arrington and C. H. Miller. No. 1,228,385; June 5; v. 239; p. 3.
- Calculating device. J. B. Moody. No. 1,232,066; July 3; v. 240; p. 180.
- Calculating elapsed-time values, Means for. J. I. Liner. No. 1,245,604; Nov. 6; v. 244; p. 140.
- Calculating instrument. J. T. Jones. No. 1,214,040; Jan. 30; v. 234; p. 1396.
- Calculating-machine. F. H. Bickford. No. 1,228,641; June 5; v. 239; p. 91.
- Calculating-machine. H. S. Booth. No. 1,227,033; May 22; v. 238; p. 1130.
- Calculating-machine. W. H. Brown. No. 1,212,320; Jan. 16; v. 234; p. 735.
- Calculating-machine. F. J. Cantrell. No. 1,251,180; Dec. 25; v. 245; p. 924.

Alphabetical list of inventions—Continued.

- Calculating-machine. H. Daemen-Schmid. No. 1,219,261; Mar. 13; v. 236; p. 514.
- Calculating-machine. A. F. Dodson. No. 1,234,303; July 24; v. 240; p. 1011.
- Calculating-machine. H. E. Goldberg. No. 1,224,633; May 1; v. 238; p. 184.
- Calculating-machine. J. E. W. Greve. No. 1,247,954; Nov. 27; v. 244; p. 927.
- Calculating-machine. C. Hamann. No. 1,221,318; Apr. 3; v. 237; p. 112.
- Calculating-machine. E. J. Hardgrave. No. 1,218,255; Mar. 6; v. 236; p. 129.
- Calculating-machine. G. G. Heghinian. No. 1,234,758; July 31; v. 240; p. 1190.
- Calculating-machine. F. O. Heuser. No. 1,239,598; Sept. 11; v. 242; p. 308.
- Calculating-machine. B. F. Hutches, Jr. No. 1,212,226; Jan. 16; v. 234; p. 698.
- Calculating-machine. J. F. Mays. No. 1,220,665; Mar. 27; v. 236; p. 1072.
- Calculating-machine. E. H. Palmer and W. S. Kinsley. No. 1,212,248; Jan. 16; v. 234; p. 708.
- Calculating-machine. A. Pentecost. No. 1,223,419; Apr. 24; v. 237; p. 946.
- Calculating-machine. A. Pentecost. No. 1,238,809; Sept. 4; v. 242; p. 28.
- Calculating-machine. E. E. Phinney. No. 1,220,545; Mar. 27; v. 236; p. 1032.
- Calculating-machine. L. W. Rosenthal. No. 1,237,821; Aug. 21; v. 241; p. 806.
- Calculating-machine. L. W. Rosenthal. No. 1,237,822; Aug. 21; v. 241; p. 806.
- Calculating-machine. L. W. Rosenthal and M. C. Hopkins. No. 1,237,703; Aug. 21; v. 241; p. 770.
- Calculating-machine. C. Schaller. No. 1,220,009; Mar. 20; v. 236; p. 803.
- Calculating-machine. P. N. Sea. No. 1,247,730; Nov. 27; v. 244; p. 863.
- Calculating-machine. C. J. Smith. No. 1,224,333; May 1; v. 238; p. 79.
- Calculating-machine. F. J. Tillman. No. 1,223,010; Apr. 17; v. 237; p. 774.
- Calculating-machine. F. Trinks. No. 1,215,219; Feb. 6; v. 235; p. 257.
- Calculating-machine. F. Trinks. No. 1,220,029; Mar. 20; v. 236; p. 810.
- Calculating-machine. F. Trinks. No. 1,220,030; Mar. 20; v. 236; p. 811.
- Calculating-machine. J. C. Wahl. No. 1,242,282; Oct. 9; v. 243; p. 298.
- Calculating-machine. E. C. Walter. No. 1,224,872; May 1; v. 238; p. 267.
- Calculating-machine attachment. S. E. Carlin. No. 1,228,404; June 5; v. 239; p. 10.
- Calculating-machine, Electrically-controlled. J. W. Bryce. No. 1,226,058; May 15; v. 238; p. 763.
- Calculating-machine, Electrically-controlled. J. W. Bryce. No. 1,228,290; May 29; v. 238; p. 1579.
- Calculating-machine especially devised for geodetic measurements. J. Baltisser. No. 1,221,653; Apr. 3; v. 237; p. 225.
- Calculating-machines, Drive for. C. Nielsen and C. I. Babcock. No. 1,234,685; July 24; v. 240; p. 1133.
- Calculating-machines, Carrying mechanism for. E. E. Phinney. No. 1,215,186; Feb. 6; v. 235; p. 245.
- Calculating-machines, Carrying-over and clearing mechanism for. W. H. Brown. No. 1,214,886; Feb. 6; v. 235; p. 140.
- Calculating-machines, Means to prevent reverse movement in. E. E. Phinney. No. 1,215,187; Feb. 6; v. 235; p. 246.
- Calculating mechanism. E. H. Palmer and C. T. Berry. No. 1,212,246; Jan. 16; v. 234; p. 707.
- Calculating mechanism. E. H. Palmer and W. S. Kinsley. No. 1,212,247; Jan. 16; v. 234; p. 708.
- Calculating mechanism. E. H. Palmer and W. S. Kinsley. No. 1,212,249; Jan. 16; v. 234; p. 709.
- Calculations, Recording-machine for mechanically-determined. G. W. Odell. No. 1,250,494; Dec. 18; v. 245; p. 671.
- Calculator. R. F. Gamble. No. 1,230,474; June 19; v. 239; p. 789.
- Calculator. J. G. Vincent. No. 1,218,136; Mar. 6; v. 236; p. 87.
- Calculator. J. G. Vincent and N. White. No. 1,221,927; Apr. 10; v. 237; p. 356.
- Calculator, Arithmetical. M. G. Burnett. No. 1,222,731; Apr. 17; v. 237; p. 680.
- Calculator-handle. E. H. Albertson. No. 1,231,981; July 3; v. 240; p. 148.
- Calculator rack and type plates, Safety-lock for. W. R. De Camp. No. 1,232,009; July 3; v. 240; p. 159.
- Calculator, Rate-division. W. H. Paul. No. 1,234,933; July 31; v. 240; p. 1244.
- Calculator restoring mechanism. W. Fuhrmann and E. M. Squarey. No. 1,232,020; July 3; v. 240; p. 163.
- Calculators, Accumulator for. J. H. Dooley. No. 1,232,011; July 3; v. 240; p. 159.
- Calculators, Flexible handle-pull for. W. R. De Camp. No. 1,232,008; July 3; v. 240; p. 158.
- Calculators, Full-stroke device for. W. Fuhrmann. No. 1,232,019; July 3; v. 240; p. 163.
- Calculators, Printing-recorder for. W. W. Wilson. No. 1,218,346; Mar. 6; v. 236; p. 160.
- Calculators, Restoring mechanism for. W. Fuhrmann and E. M. Squarey. No. 1,232,018; July 3; v. 240; p. 162.
- Calculators, Totalizing means for. W. R. De Camp, H. Burdick, and J. H. Dooley. No. 1,232,007; July 3; v. 240; p. 158.
- Calculators, Transfer device for. H. Burdick. No. 1,231,999; July 3; v. 240; p. 154.
- Calendar. T. De Loof. No. 1,217,422; Feb. 27; v. 235; p. 1160.
- Calendar. R. B. Dyer. No. 1,251,195; Dec. 25; v. 245; p. 928.
- Calendar. C. E. Lundberg. No. 1,214,935; Feb. 6; v. 235; p. 159.
- Calendar. F. K. Moerk. No. 1,222,655; Apr. 17; v. 237; p. 653.
- Calendar. W. S. Orth. No. 1,236,974; Aug. 14; v. 241; p. 499.
- Calendar. E. H. Roden. No. 1,239,220; Sept. 4; v. 242; p. 160.
- Calendar. N. Ryan. No. 1,230,037; June 12; v. 239; p. 604.
- Calendar. R. C. Sellers. No. 1,219,173; Mar. 13; v. 236; p. 484.
- Calendar, Advertising-. G. A. N. Coppedge. No. 1,235,442; July 31; v. 240; p. 1396.
- Calendar, Desk-. E. Oldenbusch. No. 1,236,973; Aug. 14; v. 241; p. 499.
- Calendar, Desk-. F. Rieder. No. 1,245,384; Nov. 6; v. 244; p. 72.
- Calendar, Memorandum-. P. J. Evans. No. 1,222,612; Apr. 17; v. 237; p. 637.
- Calendar, Memorandum-. F. A. Hale. No. 1,211,574; Jan. 9; v. 234; p. 424.
- Calendar, Memorandum-. K. and A. McKinnon. No. 1,238,037; Aug. 21; v. 241; p. 875.
- Calendar, Memorandum-. F. Mulig. No. 1,219,987; Mar. 20; v. 236; p. 797.
- Calendar-pads and the like, Holder for. W. A. Spurrier. No. 1,214,605; Feb. 6; v. 235; p. 43.
- Calendar, Perpetual. R. R. Debacher. No. 1,243,269; Oct. 16; v. 243; p. 644.
- Calendar, Perpetual. G. V. House. No. 1,250,882; Dec. 18; v. 245; p. 786.
- Calendar, Perpetual. L. A. Root. No. 1,236,108; Aug. 7; v. 241; p. 186.
- Calendar, Record-. G. H. Deaton. No. 1,235,016; July 31; v. 240; p. 1271.
- Calendar stand, Desk-. A. A. Malysko. No. 1,250,479; Dec. 18; v. 245; p. 667.
- Calendar-doctor. T. E. Warren. No. 1,228,726; June 5; v. 239; p. 120.
- Calendering-machines, Cutting attachment for. R. Butler and E. A. Tinsman. No. 1,245,190; Nov. 6; v. 244; p. 14.
- Calibrating-machine. F. J. Bowen. No. 1,244,023; Oct. 23; v. 243; p. 909.
- Calipers. J. W. H. Bales. No. 1,227,365; May 22; v. 238; p. 1240.
- Calipers. E. Kraule. No. 1,245,148; Oct. 30; v. 243; p. 1285.
- Calipers. G. A. Luck. No. 1,225,835; May 15; v. 238; p. 686.
- Calipers. R. L. Mossman. No. 1,225,475; May 8; v. 238; p. 523.
- Calipers. A. E. Stanhope. No. 1,237,114; Aug. 14; v. 241; p. 544.
- Calipers. W. S. Whyte. No. 1,237,132; Aug. 14; v. 241; p. 549.
- Calipers and dividers. H. L. Austin. No. 1,237,992; Aug. 21; v. 241; p. 860.
- Calipers, Attachment for. R. A. Johnson. No. 1,234,342; July 24; v. 240; p. 1023.
- Calipers, Micrometric. B. Nefedov. No. 1,243,545; Oct. 16; v. 243; p. 726.
- Calipers, Micrometer-. F. O. Jaques, Sr. No. 1,235,478; July 31; v. 240; p. 1407.
- Calipers, Micrometer-. H. W. Voges. No. 1,244,263; Oct. 23; v. 243; p. 980.
- Calipers or measuring instrument. H. Packet. No. 1,231,934; July 3; v. 240; p. 133.
- Calipers, Pneumatic-tire. G. H. Lewis. No. 1,238,535; Aug. 28; v. 241; p. 1072.
- Calipers, Pneumatic-tire. A. O. Running. No. 1,238,440; Aug. 28; v. 241; p. 1040.
- Calipers, Rotary vernier-. F. B. Puglisi. No. 1,219,149; Mar. 13; v. 236; p. 476.
- Calipers, Tire-. J. R. Gammeter. No. 1,245,213; Nov. 6; v. 244; p. 22.
- Calk. H. L. Davis. No. 1,243,819; Oct. 23; v. 243; p. 847.
- Calk-plate. J. F. Smith. No. 1,224,029; Apr. 24; v. 237; p. 1160.
- Calk while being welded to a shoe, Clamp for holding a. W. J. Boll and L. L. Kempthorne. No. 1,242,647; Oct. 9; v. 243; p. 416.
- Calking-machine. N. Gay. No. 1,247,815; Nov. 27; v. 244; p. 888.
- Call apparatus, Periodical-. S. Mastroianni. No. 1,223,286; Apr. 17; v. 237; p. 866.
- Call-boxes and other transmitters, Contact arrangement for. A. A. Clokey. No. 1,224,359; May 1; v. 238; p. 89.
- Call-distributing system. H. P. Clausen. No. 1,215,911; Feb. 13; v. 235; p. 538.

- Call-distributing system. H. P. Clausen. No. 1,232,496; July 10; v. 240; p. 353.
- Call-recording system. A. E. Lundell. No. 1,246,126; Nov. 13; v. 244; p. 324.
- Call system. T. J. Murphy and E. Miller. No. 1,231,537; June 26; v. 239; p. 1181.
- Calling device. H. P. Clausen. No. 1,210,603; Jan. 2; v. 234; p. 77.
- Calling device. A. H. Dyson. No. 1,210,917; Jan. 2; v. 234; p. 187.
- Calling device. A. H. Dyson. No. 1,226,953; May 22; v. 238; p. 1102.
- Calling device. C. L. Goodrum. No. 1,238,131; Aug. 28; v. 241; p. 938.
- Calligraphic device. J. M. Reardon and E. B. Bergeson. No. 1,217,063; Feb. 20; v. 235; p. 991.
- Calorimeter, Adiabatic. S. W. Parr. No. 1,247,998; Nov. 27; v. 244; p. 940.
- Calorimeter, Recording. W. K. Harrington. No. 1,216,114; Feb. 13; v. 235; p. 612.
- Cam. M. R. Casey. No. 1,219,249; Mar. 13; v. 236; p. 510.
- Cam, Adjustable. W. B. Story. No. 1,210,559; Jan. 2; v. 234; p. 63.
- Cam-controller, Pneumatically-operated. F. E. Case. No. 1,221,676; Apr. 3; v. 237; p. 234.
- Cam-gear. F. L. Unger. No. 1,228,265; May 29; v. 235; p. 1570.
- Cam mechanism. G. F. Dallas. No. 1,216,956; Feb. 20; v. 235; p. 955.
- Cam mechanism. W. Sparks. No. 1,241,674; Oct. 2; v. 243; p. 66.
- Cam mechanism. K. Winkler. No. 1,228,730; June 5; v. 239; p. 121.
- Cam-path generating machine. E. E. Foster. No. 1,248,471; Dec. 4; v. 245; p. 12.
- Cam-shaft driving mechanism. L. Coatalen. No. 1,240,420; Sept. 18; v. 242; p. 605.
- Camera. W. D. Blair and W. J. Wright. No. 1,246,531; Nov. 13; v. 244; p. 446.
- Camera. C. Bornmann. No. 1,213,067; Jan. 16; v. 234; p. 995.
- Camera. C. Bornmann. No. 1,213,731; Jan. 23; v. 234; p. 1258.
- Camera. C. Bornmann and E. C. Clark. No. 1,216,543; Feb. 20; v. 235; p. 815.
- Camera. C. Bornmann. No. 1,219,801; Mar. 20; v. 236; p. 732.
- Camera. B. A. Bridgen and G. C. Kehres. No. 1,248,607; Dec. 4; v. 245; p. 54.
- Camera. J. A. and C. T. Desjardins. No. 1,223,858; Apr. 24; v. 237; p. 1102.
- Camera. C. H. Eckerson. No. 1,226,955; May 22; v. 238; p. 1103.
- Camera. A. B. Elmstrom and J. A. McDonald. No. 1,221,847; Apr. 10; v. 237; p. 327.
- Camera. W. S. Goldwire and J. F. Patton. No. 1,224,531; May 1; v. 238; p. 149.
- Camera. G. A. Goodson. No. 1,241,843; Oct. 2; v. 243; p. 119.
- Camera. H. Hafner. No. 1,246,263; Nov. 13; v. 244; p. 365.
- Camera. A. Kiss. No. 1,218,273; Mar. 6; v. 236; p. 136.
- Camera. W. D. Marshall. No. 1,235,222; July 31; v. 240; p. 1331.
- Camera. A. D. Rochau. No. 1,228,051; May 29; v. 238; p. 1502.
- Camera. M. L. Severy. No. 1,241,773; Oct. 2; v. 243; p. 96.
- Camera. T. Tamura. No. 1,227,692; May 29; v. 238; p. 1379.
- Camera. A. L. Trippel. No. 1,232,125; July 3; v. 240; p. 200.
- Camera. E. W. Tucker. No. 1,242,745; Oct. 9; v. 243; p. 446.
- Camera-actuating device, Automatic. G. Y. Nishiyama. No. 1,250,628; Dec. 18; v. 245; p. 711.
- Camera and film carrying case, Combination. N. B. Conway. No. 1,220,957; Mar. 27; v. 236; p. 1170.
- Camera attachment. G. W. Bretz. No. 1,225,757; May 15; v. 238; p. 661.
- Camera attachment. M. Feild. No. 1,249,941; Dec. 11; v. 245; p. 470.
- Camera attachment. W. P. Robinett and J. A. Gullede. No. 1,225,495; May 8; v. 238; p. 530.
- Camera attachment. C. G. Tanquary and W. J. Caldwell. No. 1,232,993; July 10; v. 240; p. 514.
- Camera attachment. H. C. Wray. No. 1,224,588; May 1; v. 238; p. 169.
- Camera, Autographic. R. Wilmot. No. 1,240,910; Sept. 25; v. 242; p. 790.
- Camera, Automatic. A. J. Mottlau. No. 1,235,997; Aug. 7; v. 241; p. 152.
- Camera, Automatic. A. J. Mottlau. No. 1,241,650; Oct. 2; v. 243; p. 58.
- Camera, Automatic-operating. A. C. Hansch. No. 1,235,685; Aug. 7; v. 241; p. 49.
- Camera, Aviator's. W. F. Folmer. No. 1,236,419; Aug. 14; v. 241; p. 317.
- Camera-back. C. F. Speidel. No. 1,217,653; Feb. 27; v. 235; p. 1245.
- Camera-backs, Plate-holder attachment for. O. L. Mul-lendore and O. H. Stevenson. No. 1,249,172; Dec. 4; v. 245; p. 214.
- Camera bed, Folding. W. A. Riddell. No. 1,215,412; Feb. 13; v. 235; p. 358.
- Camera-carriage. W. A. Riddell. No. 1,213,544; Jan. 23; v. 234; p. 1196.
- Camera, Convertible roll-film. R. S. Burdette. No. 1,250,792; Dec. 18; v. 245; p. 760.
- Camera exposure-indicator. W. L. Cook. No. 1,250,973; Dec. 25; v. 245; p. 863.
- Camera exposure-indicator and shutter-lock. C. A. Hoyt. No. 1,224,300; May 1; v. 238; p. 66.
- Camera, Photographic. W. A. Riddell. No. 1,251,105; Dec. 25; v. 245; p. 901.
- Camera, Film-. O. Callaway and G. R. Helsley. No. 1,229,882; June 12; v. 239; p. 557.
- Camera, Film-packed. H. P. Moxon. No. 1,245,760; Nov. 6; v. 244; p. 186.
- Camera, Focusing. J. Becker. No. 1,240,651; Sept. 18; v. 242; p. 675.
- Camera, Focusing. J. Becker. No. 1,240,788; Sept. 18; v. 242; p. 718.
- Camera focusing attachment. W. Ehrlich. No. 1,217,728; Feb. 27; v. 235; p. 1269.
- Camera focusing device. R. D. Herschel. No. 1,226,660; May 22; v. 238; p. 1002.
- Camera focusing device. W. A. Riddell. No. 1,210,534; Jan. 2; v. 234; p. 54.
- Camera focusing device. J. E. Woodbury. No. 1,238,474; Aug. 28; v. 241; p. 1051.
- Camera focusing device, Automatic. F. M. Steadman. No. 1,244,254; Oct. 23; v. 243; p. 977.
- Camera focusing mechanism. A. A. Ruttan and C. E. Hutchings. No. 1,227,675; May 29; v. 238; p. 1373.
- Camera, Folding. H. R. Darling. No. 1,211,633; Jan. 9; v. 234; p. 480.
- Camera-fronts, Stop mechanism for. C. M. March. No. 1,233,095; July 10; v. 240; p. 547.
- Camera-indicator. C. Voigt. No. 1,216,631; Feb. 20; v. 235; p. 847.
- Camera-lenses, especially for studio-cameras, Shutter for. J. P. Hansen. No. 1,233,571; July 17; v. 240; p. 740.
- Camera, Motion-picture. F. H. Avers. No. 1,245,856; Nov. 6; v. 244; p. 217.
- Camera, Motion-picture. C. J. Coberly. No. 1,243,262; Oct. 16; v. 243; p. 642.
- Camera, Motion-picture. J. A. Golden. No. 1,230,576; June 19; v. 239; p. 823.
- Camera, Motion-picture. C. Spiro. No. 1,228,255; May 29; v. 238; p. 1567.
- Camera-mounting. N. Pedersen. No. 1,221,902; Apr. 10; v. 237; p. 347.
- Camera, Moving-picture. C. Kesses. No. 1,223,341; Apr. 17; v. 237; p. 886.
- Camera-operating device. G. T. Twinting. No. 1,216,021; Feb. 13; v. 235; p. 579.
- Camera, Photographic. A. Dawson. No. 1,214,016; Jan. 30; v. 234; p. 1387.
- Camera, Photographic. H. W. Hales. No. 1,244,978; Oct. 30; v. 243; p. 1234.
- Camera, Photographic. H. L. Ide. No. 1,212,355; Jan. 16; v. 234; p. 746.
- Camera, Photographic. H. L. Ide. No. 1,234,339; July 24; v. 240; p. 1023.
- Camera, Photographic. H. L. Ide. No. 1,235,320; July 31; v. 240; p. 1362.
- Camera, Photographic. R. Kroedel. No. 1,239,017; Sept. 4; v. 242; p. 96.
- Camera, Photographic. M. Lichtman. No. 1,222,310; Apr. 10; v. 237; p. 489.
- Camera, Photographic. J. A. London. No. 1,215,290; Feb. 6; v. 235; p. 281.
- Camera, Photographic. E. E. Underwood and F. H. Reynolds. No. 1,218,135; Mar. 6; v. 236; p. 86.
- Camera, Pocket-. F. Heath. No. 1,244,851; Oct. 30; v. 243; p. 1195.
- Camera, Reflecting. W. F. Folmer. No. 1,221,304; Apr. 3; v. 237; p. 106.
- Camera-shutter. C. E. Grenell. No. 1,231,878; July 3; v. 240; p. 115.
- Camera-shutter operating and timing instrument, Auto-matic. R. Mathews. No. 1,230,500; June 19; v. 239; p. 797.
- Camera-shutter operating and timing instrument, Auto-matic. R. Mathews. No. 1,230,501; June 19; v. 239; p. 797.
- Camera-shutter-operating attachment. T. Kruger. No. 1,225,652; May 8; v. 238; p. 582.
- Camera-shutter-operating device. M. J. Barnett. No. 1,227,991; May 29; v. 238; p. 1482.
- Camera-shutter-operating device. E. E. Bjorling. No. 1,211,664; Jan. 9; v. 234; p. 474.
- Camera-shutter operator. R. B. Leavitt. No. 1,223,807; Apr. 24; v. 237; p. 1085.
- Camera-shutter, Self-operating. J. H. Dolby. No. 1,249,351; Dec. 11; v. 245; p. 298.
- Camera-shutters, Electromagnetic controlling device for. K. W. Thalhammer. No. 1,247,902; Nov. 27; v. 244; p. 913.
- Camera-support. R. S. Hopkins. No. 1,247,402; Nov. 20; v. 244; p. 734.
- Camera-support. A. Plofehan and J. Zuraw. No. 1,211,347; Jan. 2; v. 234; p. 332.
- Camera support, Motion-picture-. W. A. P. Cathcart. No. 1,221,677; Apr. 3; v. 237; p. 234.

Alphabetical list of inventions--Continued.

- Camera-support, Movable. C. L. Duhem. No. 1,243,272; Oct. 16; v. 243; p. 644.
- Cameras, Adjustable plate-holder attachment for. A. Kiss. No. 1,225,039; May 8; v. 238; p. 376.
- Cameras and the like, Automatic focusing device for copying or enlarging. R. G. A. Dutert. No. 1,211,302; Jan. 2; v. 234; p. 318.
- Cameras, Autographic attachment for. S. C. Cooper. No. 1,222,531; Apr. 10; v. 237; p. 567.
- Cameras, Autographic attachment for. Z. E. House. No. 1,238,674; Aug. 28; v. 241; p. 1113.
- Cameras, Automatic exposure-spacing machine for roll-films for. E. G. Ervin and F. C. Smith. No. 1,232,254; July 3; v. 240; p. 240.
- Cameras, Automatic film-shifter for. R. H. Moore and R. P. Saffold. No. 1,232,828; July 10; v. 240; p. 460.
- Cameras, Automatic film-winding mechanism for. H. B. Meredith. No. 1,221,558; Apr. 3; v. 237; p. 196.
- Cameras, Automatic film-winding mechanism for. L. K. Strate. No. 1,233,929; July 17; v. 240; p. 855.
- Cameras, Combined finding and focusing mechanism for. J. E. Woodbury. No. 1,238,473; Aug. 28; v. 241; p. 1050.
- Cameras, Cut-out film blanket-strip for autograph-. H. J. Brown. No. 1,212,447; Jan. 16; v. 234; p. 778.
- Cameras, Exposure-identifying device for. P. W. Howland. No. 1,210,804; Jan. 2; v. 234; p. 146.
- Cameras, Film-box for motion-picture. C. E. Akeley. No. 1,223,332; Apr. 17; v. 237; p. 882.
- Cameras, Film-box for motion-picture. C. E. Akeley. No. 1,242,894; Oct. 9; v. 243; p. 493.
- Cameras, Film-cutter for motion-picture. C. E. Akeley. No. 1,232,418; July 3; v. 240; p. 292.
- Cameras, Film-feeding device for. T. R. Schoenleber. No. 1,219,672; Mar. 20; v. 236; p. 688.
- Cameras, Film-feeding mechanism for. L. F. Corrodi. No. 1,236,271; Aug. 7; v. 241; p. 238.
- Cameras, Film-magazine for cinematograph or motion-picture. A. S. Howell. No. 1,215,534; Feb. 13; v. 235; p. 402.
- Cameras, Film-winding device for. J. P. C. Granger. No. 1,215,142; Feb. 6; v. 235; p. 229.
- Cameras, Film-winder for. C. H. Mansfield. No. 1,226,681; May 22; v. 238; p. 1009.
- Cameras, Finder for. S. Brown. No. 1,210,896; Jan. 2; v. 234; p. 178.
- Cameras, Finder for. M. J. Vinik. No. 1,218,342; Mar. 6; v. 236; p. 159.
- Cameras, Flash-light-ignition system for. C. A. Lare. No. 1,221,063; Apr. 3; v. 237; p. 20.
- Cameras, Focusing device for. C. B. Knott. No. 1,232,332; July 3; v. 240; p. 266.
- Cameras, Focusing device for photographic. P. Dietz. No. 1,239,469; Sept. 11; v. 242; p. 267.
- Cameras, Latch mechanism for folding. A. A. Ruttan and C. E. Hutchings. No. 1,225,861; May 15; v. 238; p. 696.
- Cameras, Means for focusing for use in connection with film-. E. F. Harper. No. 1,243,934; Oct. 23; v. 243; p. 882.
- Cameras, Negative-film roll for photographic. L. De Florez. No. 1,249,602; Dec. 11; v. 245; p. 369.
- Cameras, Portable support for. G. Landis. No. 1,236,947; Aug. 14; v. 241; p. 490.
- Cameras, Range-finder for. R. E. Green. No. 1,215,647; Feb. 13; v. 235; p. 446.
- Cameras, Reeling apparatus for moving-picture. W. M. Thomas. No. 1,244,918; Oct. 30; v. 243; p. 1217.
- Cameras, Shutter-operating attachment for. H. C. Atwood. No. 1,238,621; Aug. 28; v. 241; p. 1098.
- Cameras, Spool-holder for film-. R. Kroedel. No. 1,227,276; May 22; v. 238; p. 1212.
- Cameras, Spool-winding device for. A. Hardy. No. 1,217,444; Feb. 27; v. 235; p. 1169.
- Cameras, Stop device for. G. Pelham. No. 1,213,687; Jan. 23; v. 234; p. 1244.
- Cameras, Time-release for photographic. H. H. Parsons. No. 1,217,493; Feb. 27; v. 235; p. 1187.
- Cameras, Winding device for roll-film. P. Dietz. No. 1,243,270; Oct. 16; v. 243; p. 644.
- Camp-kit, Folding. A. H. Froom. No. 1,227,419; May 22; v. 238; p. 1256.
- Camp structure, Collapsible. F. G. Musso. No. 1,244,760; Oct. 30; v. 243; p. 1169.
- Camp-trailer. T. H. Sorlien. No. 1,235,733; Aug. 7; v. 241; p. 65.
- Camping outfit. J. F. Long. No. 1,240,353; Sept. 18; v. 242; p. 583.
- Camping outfit. G. Shetokin. No. 1,224,098; Apr. 24; v. 237; p. 1183.
- Cam attachment. J. W. Bronner. No. 1,221,666; Apr. 3; v. 237; p. 230.
- Cams, Bushing for brake-. J. I. D. Bristol, H. K. Curtis, and L. T. Hunter. No. 1,255,428; July 31; v. 240; p. 1393.
- Can. See—
- | | |
|-------------------|------------------------|
| Ash-can. | Liquid-dispensing can. |
| Cement-can. | Milk-can. |
| Cigar-can. | Oil-can. |
| Dairy-can. | Powder-can. |
| Dispensing-can. | Refuse-can. |
| Friction-top can. | Self-opening can. |
| Garbage-can. | Slip-cover can. |
| Ice-cream can. | Triple-seal can. |
| Lap-seam can. | Waste-can. |
- Can and attachable metallic label therefor. F. Eberhart. No. 1,227,122; May 22; v. 238; p. 1162.
- Can and closure therefor. M. Burris. No. 1,247,929; Nov. 27; v. 244; p. 920.
- Can and jar closure. E. Fisher. No. 1,214,147; Jan. 30; v. 234; p. 1431.
- Can and pail bodies, Constructing. C. F. Hake, Jr. No. 1,233,345; July 17; v. 240; p. 662.
- Can attachment, Oil-. E. A. Oliver. No. 1,232,378; July 3; v. 240; p. 280.
- Can attachment, Tobacco-. V. P. Freymann. No. 1,249,610; Dec. 11; v. 245; p. 372.
- Can-bodies, Operating on. J. M. Young. No. 1,225,200; May 8; v. 238; p. 429.
- Can-body blanks, Feeding mechanism for. F. F. Clark. No. 1,236,054; Aug. 7; v. 241; p. 171.
- Can-body-making machine. P. Kruse. No. 1,234,182; July 24; v. 240; p. 971.
- Can-body-making machine. F. Rudolphi and O. Ostlin. No. 1,227,077; May 22; v. 238; p. 1146.
- Can-bottom. E. G. Barnett. No. 1,237,151; Aug. 14; v. 241; p. 554.
- Can-capper, Rotary. J. P. Haight. No. 1,237,897; Aug. 21; v. 241; p. 829.
- Can-capping machine. J. E. Hires. No. 1,241,978; Oct. 2; v. 243; p. 161.
- Can-capping machine. A. K. Malmquist. No. 1,241,233; Sept. 25; v. 242; p. 889.
- Can carrier, Milk-. A. M. Wildberger. No. 1,247,355; Nov. 20; v. 244; p. 721.
- Can-carrier, Wheeled. J. P. Powers. No. 1,249,489; Dec. 11; v. 245; p. 337.
- Can closing and exhausting machine. L. Wurzburg. No. 1,211,266; Jan. 2; v. 234; p. 307.
- Can-closing machine. J. C. Taliaferro. No. 1,249,853; Dec. 11; v. 245; p. 444.
- Can-closure. L. M. Meyers. No. 1,220,873; Mar. 27; v. 236; p. 1143.
- Can-closure fastener. J. W. Burgess. No. 1,227,380; May 22; v. 238; p. 1244.
- Can container and server. T. J. Davis. No. 1,229,902; June 12; v. 239; p. 563.
- Can-conveyer. H. C. Privett. No. 1,225,172; May 8; v. 238; p. 419.
- Can conveyer and distributor. A. M. Augensen. No. 1,236,389; Aug. 14; v. 241; p. 307.
- Can conveyer and distributor. A. M. Augensen. No. 1,236,390; Aug. 14; v. 241; p. 307.
- Can-conveyer distributing mechanism. A. M. Augensen. No. 1,236,391; Aug. 14; v. 241; p. 308.
- Can cover, Garbage-. A. Buchholz. No. 1,212,321; Jan. 16; v. 234; p. 735.
- Can cover, Ice-. W. E. Emig. No. 1,233,565; July 17; v. 240; p. 738.
- Can cover, Refuse-. A. F. Luyties. No. 1,227,463; May 22; v. 238; p. 1271.
- Can-cover-seaming machine. F. W. Burpee. No. 1,224,358; May 1; v. 238; p. 88.
- Can-end closure. A. Alvarez. No. 1,220,151; Mar. 20; v. 236; p. 858.
- Can ends for hermetic sealing to can-bodies, Preparing. J. A. Gray. No. 1,223,784; Apr. 24; v. 237; p. 1077.
- Can-feed device. A. R. Thompson. No. 1,238,217; Aug. 28; v. 241; p. 966.
- Can-feeding mechanism. P. W. Fleischer. No. 1,212,754; Jan. 16; v. 234; p. 889.
- Can-filler. R. Knight. No. 1,250,322; Dec. 18; v. 245; p. 619.
- Can-filling apparatus. H. P. Wellman. No. 1,219,205; Mar. 13; v. 236; p. 494.
- Can-filling machine. C. H. Ayars. No. 1,217,884; Feb. 27; v. 235; p. 1821.
- Can-filling machine. G. W. Blake. No. 1,210,403; Jan. 2; v. 234; p. 8.
- Can-filling machine. F. P. Souder. No. 1,243,566; Oct. 16; v. 243; p. 732.
- Can handle, Milk-. P. L. Frazier. No. 1,243,278; Oct. 16; v. 243; p. 646.
- Can-heading machine. J. Brenzinger. No. 1,230,556; June 19; v. 239; p. 816.
- Can-heading machine. H. H. Hood. No. 1,249,399; Dec. 11; v. 245; p. 311.
- Can holder, Tobacco-. P. R. Hettinger and C. P. Prince. No. 1,214,161; Jan. 30; v. 234; p. 1435.
- Can-lacquering machine. J. G. Hodgson. No. 1,227,619; May 29; v. 238; p. 1353.
- Can-lid holder, Milk-. E. G. Rewell. No. 1,224,212; May 1; v. 238; p. 34.
- Can-opener. A. J. and G. W. Anderson. No. 1,249,586; Dec. 11; v. 245; p. 364.
- Can-opener. L. E. Bauer. No. 1,226,628; May 22; v. 238; p. 992.
- Can-opener. L. A. Bellis and W. A. Blecker. No. 1,227,737; May 29; v. 238; p. 1395.
- Can-opener. C. A. Darrah. No. 1,242,329; Oct. 9; v. 243; p. 314.
- Can-opener. R. H. Emery. No. 1,223,485; Apr. 24; v. 237; p. 970.
- Can-opener. G. J. Fitzpatrick. No. 1,244,972; Oct. 30; v. 243; p. 1233.
- Can-opener. E. L. Funk. No. 1,228,900; June 5; v. 239; p. 178.
- Can-opener. R. Jacobucci. No. 1,214,682; Feb. 6; v. 235; p. 71.

- Can-opener. L. Kiral. No. 1,221,745; Apr. 3; v. 237; p. 257.
- Can-opener. S. Knysz. No. 1,231,746; July 3; v. 240; p. 71.
- Can-opener. W. L. Loesser. No. 1,228,121; May 29; v. 238; p. 1525.
- Can-opener. E. Lutz. No. 1,219,971; Mar. 20; v. 236; p. 791.
- Can-opener. A. Marchand. No. 1,232,948; July 10; v. 240; p. 501.
- Can-opener. J. Morgan. No. 1,218,884; Mar. 13; v. 236; p. 387.
- Can-opener. H. C. Privett. No. 1,214,823; Feb. 6; v. 235; p. 118.
- Can-opener. M. N. Thayer. No. 1,246,491; Nov. 13; v. 244; p. 434.
- Can-opener. C. W. Van Luven. No. 1,216,024; Feb. 13; v. 235; p. 580.
- Can opener and holder. J. H. Haack and E. Mietoff. No. 1,221,724; Apr. 3; v. 237; p. 250.
- Can opener and sealer, Combined. J. H. Wray. No. 1,212,431; Jan. 16; v. 234; p. 773.
- Can-opener, Combination. W. H. Arnold. No. 1,250,413; Dec. 18; v. 245; p. 647.
- Can opener, Condensed-milk. J. Larger. No. 1,215,821; Feb. 13; v. 235; p. 506.
- Can-opening device. E. E. Hardy. No. 1,218,648; Mar. 13; v. 236; p. 300.
- Can-opening machine. D. C. Goodale. No. 1,218,644; Mar. 13; v. 236; p. 298.
- Can-perforating implement. C. Myers. No. 1,235,230; July 31; v. 240; p. 1334.
- Can perforator and closure, Combined. M. Wild. No. 1,234,593; July 24; v. 240; p. 1104.
- Can-seaming machine. F. W. Burpee. No. 1,230,273; June 19; v. 239; p. 723.
- Can-seaming machine. H. H. Hood. No. 1,222,955; Apr. 17; v. 237; p. 755.
- Can-spout. S. White. No. 1,249,577; Dec. 11; v. 245; p. 362.
- Can-stamper. S. Pittaluga. No. 1,223,610; Apr. 24; v. 237; p. 1014.
- Can-straightening machine. W. F. Desso. No. 1,218,633; Mar. 13; v. 236; p. 294.
- Can-straightening machine. J. J. Kirkby. No. 1,229,292; June 12; v. 239; p. 358.
- Can-straightening machine. H. T. Tait. No. 1,231,453; June 26; v. 239; p. 1155.
- Can-surface presser and eveners. T. A. Jackson. No. 1,212,489; Jan. 16; v. 234; p. 792.
- Can-top-feeding device. R. O. Wilson and A. D. Sumner. No. 1,250,406; Dec. 18; v. 245; p. 645.
- Can vent, Oil-. T. F. Durning. No. 1,240,689; Sept. 18; v. 242; p. 687.
- Can-washing machine, Milk-. H. D. Lathrop and W. H. Paulson. No. 1,249,129; Dec. 4; v. 245; p. 202.
- Can-washing machines, Cover-applying mechanism for. H. D. Lathrop and W. H. Paulson. No. 1,247,692; Nov. 27; v. 244; p. 851.
- Can-washing machines, Feeding mechanism for. H. D. Lathrop and W. H. Paulson. No. 1,249,130; Dec. 4; v. 245; p. 202.
- Can-washing machinery. E. F. Rassman. No. 1,211,878; Jan. 9; v. 234; p. 550.
- Can-washing machinery. E. F. Rassman. No. 1,216,494; Feb. 20; v. 235; p. 798.
- Cans, Adjustable spout attachment for. J. Goldberg. No. 1,245,333; Nov. 6; v. 244; p. 57.
- Cans and similar containers, Ball-bearing handle for milk-. S. Hough. No. 1,223,880; Apr. 24; v. 237; p. 1110.
- Cans, Apparatus for spreading lacquer over the interior walls of. J. G. Hodgson. No. 1,227,618; May 29; v. 238; p. 1353.
- Cans, Bail-ear for oil-. C. L. Wagandt. No. 1,225,725; May 8; v. 238; p. 607.
- Cans, Continuous exhaust-box for preserve-containing. H. C. Privett. No. 1,226,592; May 15; v. 238; p. 940.
- Cans, Machine for making bail-attaching ears for sheet-metal. C. F. Hake, Jr. No. 1,250,306; Dec. 18; v. 245; p. 615.
- Cans, Manufacturing lithographed. F. Eberhart. No. 1,227,123; May 22; v. 238; p. 1162.
- Cans or metal receptacles, Making. G. M. Schott. No. 1,246,947; Nov. 20; v. 244; p. 604.
- Cans or the like, Opener for hermetic. G. A. Hansen. No. 1,215,019; Feb. 6; v. 235; p. 190.
- Cans, Ventilating-cover for. E. B. Watson. No. 1,231,134; July 3; v. 240; p. 203.
- Canned goods, Apparatus for cooling sterilized or cooked. J. B. Cook. No. 1,225,774; May 15; v. 238; p. 667.
- Canned goods, Assorting-machine for. M. M. Winningham. No. 1,220,922; Mar. 27; v. 236; p. 1158.
- Canning. K. Miyauchi. No. 1,245,489; Nov. 6; v. 244; p. 103.
- Canning apparatus. E. M. Harp. No. 1,212,216; Jan. 16; v. 234; p. 695.
- Canning beans, Device and method of. A. Greco. No. 1,235,680; Aug. 7; v. 241; p. 48.
- Canning machinery, Stop-motion for. R. M. Huddelston. No. 1,245,922; Nov. 6; v. 244; p. 236.
- Canning rice and milk. W. H. Stevens and S. C. Dunlap. No. 1,241,163; Sept. 25; v. 242; p. 867.
- Canning, Vacuum-box for fruit-. L. E. Arnold. No. 1,216,260; Feb. 20; v. 235; p. 715.
- Canal-boat, Sea-going. A. and A. M. McDougall. No. 1,233,381; July 17; v. 240; p. 676.
- Canceled-machine. G. M. Cullen. No. 1,214,898; Feb. 6; v. 235; p. 145.
- Canceled-machine, Automatic. L. L. Mack. No. 1,228,460; June 5; v. 239; p. 29.
- Candelabrum. B. A. Clarke. No. 1,247,376; Nov. 20; v. 244; p. 727.
- Candelabrum. S. Szigethy. No. 1,241,575; Oct. 2; v. 243; p. 35.
- Candelabrum-socket. E. H. Freeman. No. 1,245,326; Nov. 6; v. 244; p. 55.
- Candelabrum-socket. G. B. Thomas. No. 1,215,079; Feb. 6; v. 235; p. 210.
- Candle and the like holder. H. B. S. Teague. No. 1,241,576; Oct. 2; v. 243; p. 35.
- Candle-extinguisher. J. E. Hosking. No. 1,211,156; Jan. 2; v. 234; p. 266.
- Candle-guard. A. Shorrock. No. 1,211,251; Jan. 2; v. 234; p. 302.
- Candle-holder. M. M. Melville. No. 1,237,670; Aug. 21; v. 241; p. 760.
- Candle-holder. J. Ritter. No. 1,229,140; June 5; v. 239; p. 257.
- Candle, Self-igniting electric-arc. J. Billiter. No. 1,216,404; Feb. 20; v. 235; p. 768.
- Candle-tube support. W. E. Surface. No. 1,239,843; Sept. 11; v. 242; p. 388.
- Candlestick. R. Philip. No. 1,229,132; June 5; v. 239; p. 255.
- Candlestick, Electric. A. J. Sanford. No. 1,222,676; Apr. 17; v. 237; p. 661.
- Candlestick-holder. V. Bellodi. No. 1,240,654; Sept. 18; v. 242; p. 676.
- Candy-coating machine. W. Fritz. No. 1,223,687; Apr. 24; v. 237; p. 1043.
- Candy-container. L. M. Coolidge. No. 1,238,110; Aug. 28; v. 241; p. 931.
- Candy-dispenser. J. H. Mackall. No. 1,231,400; June 26; v. 239; p. 1137.
- Candy-maker's table. J. D. Fine. No. 1,247,101; Nov. 20; v. 244; p. 649.
- Candy making and apparatus for same, Stick-. A. E. Dempsey and O. Steinbaugh. No. 1,221,423; Apr. 3; v. 237; p. 148.
- Candy-making machine. W. B. Laskey. No. 1,242,562; Oct. 9; v. 243; p. 388.
- Candy, Manufacture of. G. F. Dickson. No. 1,239,167; Sept. 4; v. 242; p. 143.
- Candy-package. W. S. Foster. No. 1,239,378; Sept. 4; v. 242; p. 210.
- Candy-pulling machine. G. L. Langer. No. 1,232,697; July 10; v. 240; p. 417.
- Candy-pulling machine. J. E. Knecht. No. 1,225,138; May 8; v. 238; p. 408.
- Candy-pulling machine. H. P. Spencer. No. 1,249,847; Dec. 11; v. 245; p. 442.
- Candy-pulling machine and process. J. M. Howarth. No. 1,214,465; Jan. 30; v. 234; p. 1539.
- Candy-sealing machine. E. P. Kline. No. 1,245,597; Nov. 6; v. 244; p. 138.
- Candy-twisting machine. D. D. Torre. No. 1,218,340; Mar. 6; v. 236; p. 158.
- Candy-whistle machine. M. Zwerdling. No. 1,229,375; June 12; v. 239; p. 387.
- Candy-wrapping machine. J. W. Greer. No. 1,218,854; Mar. 13; v. 236; p. 377.
- Cane and flag-stick, Combined. C. T. Fernandez. No. 1,219,386; Mar. 13; v. 236; p. 558.
- Cane, Enhancing the growth of sugar-. C. F. Eckart. No. 1,227,898; May 29; v. 238; p. 1449.
- Cane, Increasing the yield of sugar-. C. F. Eckart. No. 1,228,006; May 29; v. 238; p. 1486.
- Cane-juice, Clarification of. D. B. Rogan. No. 1,233,919; July 17; v. 240; p. 851.
- Cane-mill. S. E. Brooker. No. 1,228,178; May 29; v. 238; p. 1542.
- Cane-mill housing, Sugar-. R. R. Hind. No. 1,251,025; Dec. 25; v. 245; p. 880.
- Cane mill, Sugar-. J. J. Armstrong. No. 1,213,573; Jan. 23; v. 234; p. 1206.
- Cane mill, Sugar-. P. F. Hughes. No. 1,227,145; May 22; v. 238; p. 1169.
- Cane mill, Sugar-. J. Wilson. No. 1,213,722; Jan. 23; v. 234; p. 1256.
- Cane mills, Roller-adjusting means for sugar-. H. W. Aitken. No. 1,227,561; May 29; v. 238; p. 1335.
- Cane or crutch attachment. M. M. Dawson. No. 1,215,256; Feb. 6; v. 235; p. 270.
- Cane seats, Renovating. J. M. Wilson. No. 1,243,474; Oct. 16; v. 243; p. 704.
- Canister, Tea-. T. J. Bourek. No. 1,212,892; Jan. 16; v. 234; p. 934.
- Canoe back-rest and life-preserver, Combination. C. N. Lawson. No. 1,216,707; Feb. 20; v. 235; p. 871.
- Canopy. T. Palmer. No. 1,214,480; Jan. 30; v. 234; p. 1544.
- Canopy. H. Ulrichsen. No. 1,233,938; July 17; v. 240; p. 858.
- Canopy. E. A. Whitcomb. No. 1,214,484; Jan. 30; v. 234; p. 1546.
- Canopy and support. E. A. Hashberger. No. 1,248,652; Dec. 4; v. 245; p. 66.

Alphabetical list of inventions—Continued.

- Canopy frame, Mosquito-netting. M. W. Harris. No. 1,231,735; July 3; v. 240; p. 68.
- Canopy-seat, Molding-base. A. S. Smith. No. 1,224,576; May 1; v. 238; p. 165.
- Canopy-tops, Cover for collapsible. F. P. Harvey. No. 1,219,735; Mar. 20; v. 236; p. 709.
- Canteens or water-bottles, &c., Carrier or cover for. C. I. Sullivan. No. 1,228,258; May 29; v. 238; p. 1568.
- Caoutchouc-like bodies, Production of. H. Stern. No. 1,218,713; Mar. 13; v. 236; p. 323.
- Caoutchouc or rubber and the like, Non-skid composition of. C. Pacchett. No. 1,230,597; June 19; v. 239; p. 830.
- Caoutchouc, Treating products resembling. E. Münch. No. 1,248,888; Dec. 4; v. 245; p. 136.
- Cap. M. Davidson. No. 1,234,735; July 31; v. 240; p. 1183.
- Cap. J. W. A. Leihgeber. No. 1,242,211; Oct. 9; v. 243; p. 277.
- Cap. E. Washington. No. 1,216,635; Feb. 20; v. 235; p. 848.
- Cap, Adjustable. R. J. Spindler. No. 1,243,567; Oct. 16; v. 243; p. 732.
- Cap, Detachable. A. E. Bronson. No. 1,250,957; Dec. 25; v. 245; p. 859.
- Cap-finger. S. Kaye. No. 1,234,768; July 31; v. 240; p. 1193.
- Cap for golf-players, Training. J. W. Byrne. No. 1,238,492; Aug. 28; v. 241; p. 1056.
- Cap-making and bottling machine. E. Nordstrom. No. 1,212,665; Jan. 16; v. 234; p. 858.
- Cap, Miner's. L. McClasky. No. 1,223,991; Apr. 24; v. 237; p. 1146.
- Cap, Nurse's. H. Cutler. No. 1,223,854; Apr. 24; v. 237; p. 1101.
- Cap-opener, cigar-clipper, and burglar-key, Combination. H. Walker. No. 1,219,203; Mar. 13; v. 236; p. 494.
- Cap or cover, Molding. D. W. Bowe. No. 1,237,160; Aug. 14; v. 241; p. 556.
- Cap or head-covering. A. E. Fodor. No. 1,239,376; Sept. 4; v. 242; p. 210.
- Cap-vizor. V. J. Sterling. No. 1,232,992; July 10; v. 240; p. 514.
- Cap, Winged. O. Zerk. No. 1,243,029; Oct. 16; v. 243; p. 572.
- Caps, Making winged. O. Zerk. No. 1,233,285; July 10; v. 240; p. 607.
- Capping apparatus. C. J. Kryzanowsky. No. 1,216,705; Feb. 20; v. 235; p. 870.
- Capping device. F. C. Laurie. No. 1,245,934; Nov. 6; v. 244; p. 239.
- Capping-die. C. W. Shevlin. No. 1,218,907; Mar. 13; v. 236; p. 394.
- Capping-machine. N. M. La Porte. No. 1,226,778; May 22; v. 238; p. 1043.
- Capacity-meter. B. P. Romain. No. 1,217,827; Feb. 27; v. 235; p. 1303.
- Capstans, Intermittent-grip device for. G. M. Ellis and G. F. Brown. No. 1,226,321; May 15; v. 238; p. 856.
- Capsule-making machine. R. E. Smith and F. E. Cable. No. 1,232,112; July 3; v. 240; p. 195.
- Car. H. W. Jacobs and E. D. Levy. No. 1,221,740; Apr. 3; v. 237; p. 255.
- Car. F. Steffens. No. 1,225,882; May 15; v. 238; p. 702.
- Car. J. J. Tatum. No. 1,240,622; Sept. 18; v. 242; p. 665.
- Car. W. H. Yost. No. 1,225,302; May 8; v. 238; p. 465.
- Car, air, and electric coupling mechanism, Automatic. C. H. Tomlinson. No. 1,223,223; Apr. 17; v. 237; p. 846.
- Car-alarm. J. Kieren. No. 1,225,036; May 8; v. 238; p. 375.
- Car and air coupling. H. E. Van Dorn. No. 1,224,240; May 1; v. 238; p. 45.
- Car and air-hose coupling. W. S. Knisely. No. 1,228,569; June 5; v. 239; p. 67.
- Car and bunk, Logging. H. C. Jarvis. No. 1,215,159; Feb. 6; v. 235; p. 235.
- Car and compressed-air and steam pipe coupling device, Automatic railway. C. Feroci. No. 1,217,734; Feb. 27; v. 235; p. 1271.
- Car and electric coupling. E. H. Dewson and T. R. Brown. No. 1,225,786; May 15; v. 238; p. 671.
- Car and electric coupling, Combined. T. R. Brown. No. 1,220,317; Mar. 27; v. 236; p. 952.
- Car and house steps, Safety disappearing. H. H. Barsby, A. G. Stephenson, and W. C. Browne. No. 1,240,922; Sept. 25; v. 242; p. 794.
- Car and other seats, Advertising-card holder for. J. J. Ferry. No. 1,222,089; Apr. 10; v. 237; p. 410.
- Car and pipe coupling, Automatic. T. R. Brown. No. 1,249,319; Dec. 11; v. 245; p. 289.
- Car and pipe coupling, Combined. M. Hrnich. No. 1,226,887; May 22; v. 238; p. 1079.
- Car and railway indicator, Street. E. H. Stacy. No. 1,215,070; Feb. 6; v. 235; p. 206.
- Car and similar vehicle, Street. L. P. Lipps. No. 1,223,186; Apr. 17; v. 237; p. 837.
- Car and the like, Railway baggage. F. J. Landry. No. 1,231,916; July 3; v. 240; p. 128.
- Car and the like ventilator. F. B. Townsend. No. 1,220,290; Mar. 27; v. 236; p. 942.
- Car and train-pipe coupling, Automatic. T. R. Brown. No. 1,234,128; July 24; v. 240; p. 953.
- Car and train-pipe coupling, Combined. T. R. Brown. No. 1,243,701; Oct. 23; v. 243; p. 807.
- Car and train-pipe coupling, Combined. J. S. Doyle and F. Hedley. No. 1,216,295; Feb. 20; v. 235; p. 728.
- Car and truck construction, Railway. B. W. Kadel. No. 1,213,205; Jan. 23; v. 234; p. 1077.
- Car, Armored motor. R. Hayes. No. 1,248,325; Nov. 27; v. 244; p. 1031.
- Car, Armored. J. J. Spence. No. 1,249,542; Dec. 11; v. 245; p. 352.
- Car assembly, Mine. W. V. Johnson and F. H. Gibbs. No. 1,244,740; Oct. 30; v. 243; p. 1163.
- Car attachment, Motor. L. A. Hanson. No. 1,226,656; May 22; v. 238; p. 1001.
- Car-berth ventilator, Sleeping. E. P. Baker. No. 1,219,219; Mar. 13; v. 236; p. 500.
- Car, Box. J. M. and G. Dobbins. No. 1,213,081; Jan. 16; v. 234; p. 1000.
- Car, Box. W. E. Fowler, Sr. No. 1,234,324; July 24; v. 240; p. 1017.
- Car-brake. C. Cron and R. L. Dingle. No. 1,222,935; Apr. 17; v. 237; p. 748.
- Car-brake. J. S. McWhirter. No. 1,213,927; Jan. 30; v. 234; p. 1356.
- Car-brake. J. M. Miller. No. 1,249,986; Dec. 11; v. 245; p. 481.
- Car-brake. E. Plath. No. 1,241,147; Sept. 25; v. 242; p. 863.
- Car-brake. C. P. Rice. No. 1,218,466; Mar. 6; v. 236; p. 200.
- Car-brake. G. L. Scott. No. 1,249,675; Dec. 11; v. 245; p. 390.
- Car-brake, Automatic. K. Botz. No. 1,235,103; July 31; v. 240; p. 1296.
- Car-brake, Electric. J. Davidson. No. 1,238,643; Aug. 28; v. 241; p. 1105.
- Car-brake mechanism. E. Ramsay. No. 1,249,492; Dec. 11; v. 245; p. 338.
- Car brake mechanism, Railway. W. Marx. No. 1,242,360; Oct. 9; v. 243; p. 323.
- Car brake, Motor. J. G. Wallmann. No. 1,250,397; Dec. 18; v. 245; p. 642.
- Car-brake-operating mechanism. R. B. Greenway. No. 1,248,480; Dec. 4; v. 245; p. 15.
- Car-brake-operating mechanism. H. J. Schmick. No. 1,242,603; Oct. 9; v. 243; p. 402.
- Car brake, Safety mine. I. A. Machamer. No. 1,214,341; Jan. 30; v. 234; p. 1499.
- Car-brake strut. F. D. Ward. No. 1,242,090; Oct. 2; v. 243; p. 197.
- Car-buffer. K. H. Hansen. No. 1,236,558; Aug. 14; v. 241; p. 364.
- Car buffer, Railway. S. S. Cole. No. 1,250,142; Dec. 18; v. 245; p. 565.
- Car buffing device. W. E. Wine. No. 1,215,456; Feb. 13; v. 235; p. 373.
- Car buffing device. W. E. Wine. No. 1,215,459; Feb. 13; v. 235; p. 374.
- Car, Charge. J. E. Greenawalt. No. 1,212,629; Jan. 16; v. 234; p. 844.
- Car, Child's push. C. J. McKnight. No. 1,212,530; Jan. 16; v. 234; p. 808.
- Car, Coal. A. Papp and J. Christof. No. 1,224,094; Apr. 24; v. 237; p. 1181.
- Car, Coal. J. Skandora. No. 1,220,018; Mar. 20; v. 236; p. 807.
- Car, Combination freight and grain. E. J. Beebe and C. C. MacGregor. No. 1,239,863; Sept. 11; v. 242; p. 895.
- Car, Combined stock and gondola. E. E. Betts. No. 1,239,558; Sept. 11; v. 242; p. 296.
- Car, Compartment. F. E. Stebbins. No. 1,231,805; July 3; v. 240; p. 91.
- Car, Compartment. F. E. Stebbins. No. 1,231,806; July 3; v. 240; p. 91.
- Car, Compartment sleeping. E. Flagg. No. 1,224,625; May 1; v. 238; p. 182.
- Car construction. L. D. Gregg. No. 1,247,822; Nov. 27; v. 244; p. 890.
- Car construction. C. A. Lindström. No. 1,230,183; June 19; v. 239; p. 692.
- Car construction. B. D. Lockwood. No. 1,212,235; Jan. 16; v. 234; p. 702.
- Car construction. G. B. Maltby. No. 1,214,567; Feb. 6; v. 235; p. 29.
- Car construction. E. R. Schulz. No. 1,224,573; May 1; v. 238; p. 164.
- Car construction. V. Von Schlegell. No. 1,226,035; May 15; v. 238; p. 755.
- Car construction. W. M. Smith. No. 1,242,732; Oct. 9; v. 243; p. 442.
- Car construction. J. H. Weisbrod. No. 1,244,808; Oct. 30; v. 243; p. 1183.
- Car construction. J. S. Worth. No. 1,224,052; Apr. 24; v. 237; p. 1168.
- Car construction, Box. C. F. Ewing. No. 1,227,408; May 22; v. 238; p. 1253.
- Car construction, Box. J. H. Weisbrod. No. 1,244,807; Oct. 30; v. 243; p. 1183.
- Car construction, Freight. J. C. Biela. No. 1,238,874; Sept. 4; v. 242; p. 50.
- Car construction, Freight. A. Copony. No. 1,247,083; Nov. 20; v. 244; p. 644.
- Car construction, Freight. M. L. Corbett and W. Linquist. No. 1,247,553; Nov. 20; v. 244; p. 777.

- Car construction, Metal. W. T. Van Dorn. No. 1,249,562; Dec. 11; v. 245; p. 358.
- Car construction, Passenger-. L. E. Fischer and G. W. Burton. No. 1,217,931; Mar. 6; v. 236; p. 16.
- Car construction, Passenger-. F. Koch. No. 1,224,176; May 1; v. 238; p. 22.
- Car construction, Railway-. F. M. Brinckerhoff. No. 1,231,235; June 26; v. 239; p. 1083.
- Car construction, Railway-. F. M. Brinckerhoff and L. B. Stillwell. No. 1,231,236; June 26; v. 239; p. 1083.
- Car construction, Railway-. H. E. Doerr. No. 1,245,323; Nov. 6; v. 244; p. 55.
- Car construction, Railway-. W. H. Heulings, Jr. No. 1,241,116; Sept. 25; v. 242; p. 852.
- Car construction, Tank-. T. W. Elder, Jr. No. 1,226,647; May 22; v. 238; p. 997.
- Car construction, Tank-. G. W. Scott and P. Carpenter. No. 1,231,074; June 26; v. 239; p. 1028.
- Car, Convertible freight-. A. J. Howd. No. 1,230,484; June 19; v. 239; p. 791.
- Car, Convertible railway-. F. A. McRae. No. 1,236,195; Aug. 7; v. 241; p. 214.
- Car, Corrugated sheet-metal-. A. E. Ostrander. No. 1,224,777; May 1; v. 238; p. 235.
- Car-coupling. A. J. Bazeley. No. 1,246,222; Nov. 13; v. 244; p. 352.
- Car-coupling. S. P. Bush. No. 1,248,802; Dec. 4; v. 245; p. 112.
- Car-coupling. S. P. Bush. No. 1,248,803; Dec. 4; v. 245; p. 112.
- Car-coupling. R. Foulds. No. 1,242,787; Oct. 9; v. 243; p. 460.
- Car-coupling. C. N. Heading. No. 1,238,764; Sept. 4; v. 242; p. 13.
- Car-coupling. F. W. Hild. No. 1,250,457; Dec. 18; v. 245; p. 660.
- Car-coupling. P. W. John. No. 1,242,810; Oct. 9; v. 243; p. 466.
- Car-coupling. W. Kelso. No. 1,239,187; Sept. 4; v. 242; p. 149.
- Car-coupling. J. A. Larmore. No. 1,226,085; May 15; v. 238; p. 773.
- Car-coupling. T. H. Lewis. No. 1,241,131; Sept. 25; v. 242; p. 857.
- Car-coupling. H. L. Lowe. No. 1,240,066; Sept. 11; v. 242; p. 454.
- Car-coupling. W. McConway, Jr. No. 1,214,338; Jan. 30; v. 234; p. 1498.
- Car-coupling. I. H. Milliken. No. 1,213,394; Jan. 23; v. 234; p. 1143.
- Car-coupling. I. H. Milliken. No. 1,213,396; Jan. 23; v. 234; p. 1144.
- Car-coupling. I. H. Milliken. No. 1,227,170; May 22; v. 238; p. 1178.
- Car-coupling. A. A. Moss. No. 1,228,691; June 5; v. 239; p. 108.
- Car-coupling. A. Olejniczak. No. 1,228,696; June 5; v. 239; p. 110.
- Car-coupling. R. E. Powers. No. 1,236,759; Aug. 14; v. 241; p. 431.
- Car-coupling. W. F. Richards. No. 1,213,543; Jan. 23; v. 234; p. 1195.
- Car-coupling. J. Willison. No. 1,229,367; June 12; v. 239; p. 385.
- Car-coupling. A. H. Wood. No. 1,248,586; Dec. 4; v. 245; p. 48.
- Car-coupling device. C. S. Ferguson. No. 1,233,999; July 17; v. 240; p. 877.
- Car-coupling for pit-cars. A. Kolisek and M. Sobala. No. 1,246,113; Nov. 13; v. 244; p. 320.
- Car-coupling-locking mechanism. W. J. Regan. No. 1,222,992; Apr. 17; v. 237; p. 768.
- Car-coupling-locking mechanism. W. J. Regan. No. 1,222,993; Apr. 17; v. 237; p. 769.
- Car coupling, Mine-. V. Willoughby. No. 1,224,824; May 1; v. 238; p. 251.
- Car coupling, Pit-. R. P. Toward. No. 1,250,390; Dec. 18; v. 245; p. 640.
- Car-coupling-releasing device. S. H. Campbell. No. 1,226,859; May 22; v. 238; p. 1070.
- Car couplings, Auxiliary shank and connection for passenger-. W. F. Richards. No. 1,218,469; Mar. 6; v. 236; p. 200.
- Car-couplings, Centering and supporting device for. W. F. Richards. No. 1,236,873; Aug. 14; v. 241; p. 466.
- Car-couplings, Device for repairing. D. E. Lamb. No. 1,245,601; Nov. 6; v. 244; p. 140.
- Car-couplings of railway-cars, Automatic alining device for the. J. V. Robinson. No. 1,245,796; Nov. 6; v. 244; p. 198.
- Car-couplings, Uncoupling and centering device for. E. George, Jr. No. 1,235,889; Aug. 7; v. 241; p. 118.
- Car-couplings, Uncoupling and centering mechanism for. W. McConway, Jr. and W. J. Regan. No. 1,226,093; May 15; v. 238; p. 776.
- Car cover, Coal-. M. Spratler. No. 1,210,556; Jan. 2; v. 234; p. 62.
- Car-curtains, Ticket-holder for. R. L. Brown. No. 1,214,006; Jan. 30; v. 234; p. 1384.
- Car-cushions, Cleaning. J. M. Wilson. No. 1,243,473; Oct. 16; v. 243; p. 704.
- Car dead-block. C. S. Shallenberger. No. 1,221,220; Apr. 3; v. 237; p. 81.
- Car, Derrick-. C. Volkmann. No. 1,216,188; Feb. 13; v. 235; p. 638.
- Car-diaphragm. E. E. Whitmore. No. 1,221,399; Apr. 3; v. 237; p. 140.
- Car-diaphragm, Metallic. F. M. Gunn and L. J. Berg. No. 1,243,932; Oct. 23; v. 243; p. 881.
- Car-door. J. F. Comee. No. 1,230,567; June 19; v. 239; p. 821.
- Car-door. A. Copony. No. 1,221,971; Apr. 10; v. 237; p. 371.
- Car-door. J. H. Crumb. No. 1,218,377; Mar. 6; v. 236; p. 170.
- Car-door. G. H. Gillingham. No. 1,216,436; Feb. 20; v. 235; p. 779.
- Car-door. F. J. Gilroy. No. 1,250,849; Dec. 18; v. 245; p. 777.
- Car-door. F. J. Hardy. No. 1,229,072; June 5; v. 239; p. 234.
- Car-door. F. A. Lester. No. 1,242,000; Oct. 2; v. 243; p. 170.
- Car-door. J. Mapes. No. 1,220,436; Mar. 27; v. 236; p. 994.
- Car-door. F. Mathews. No. 1,244,626; Oct. 30; v. 243; p. 1128.
- Car-door. S. F. Minton and R. E. McClellen. No. 1,251,405; Dec. 25; v. 245; p. 990.
- Car-door. E. Odean. No. 1,227,924; May 29; v. 238; p. 1458.
- Car-door. R. A. Phillips. No. 1,219,863; Mar. 20; v. 236; p. 754.
- Car-door. E. Posson. No. 1,225,272; May 8; v. 238; p. 452.
- Car-door. J. W. Rumsey. No. 1,215,714; Feb. 13; v. 235; p. 469.
- Car-door. H. Smith. No. 1,231,660; July 3; v. 240; p. 41.
- Car-door. A. M. and W. H. Waitt. No. 1,247,350; Nov. 20; v. 244; p. 720.
- Car-door closure, Grain-. J. A. McNulty. No. 1,248,359; Nov. 27; v. 244; p. 1040.
- Car-door construction. P. Frantz. No. 1,228,013; May 29; v. 238; p. 1489.
- Car-door control. T. Farmer, Jr. No. 1,216,300; Feb. 20; v. 235; p. 730.
- Car-door fastener. D. W. Campbell. No. 1,211,284; Jan. 2; v. 234; p. 313.
- Car-door fastener. H. G. Collier. No. 1,213,155; Jan. 23; v. 234; p. 1059.
- Car-door fastener. L. W. Daughenbaugh. No. 1,217,158; Feb. 27; v. 235; p. 1070.
- Car-door fastener. C. A. Schroyer. No. 1,226,706; May 22; v. 238; p. 1017.
- Car-door fastener. L. S. Smith. No. 1,251,124; Dec. 25; v. 245; p. 907.
- Car-door fastener. G. F. Wieseckel and G. C. Schimpf. No. 1,219,059; Mar. 13; v. 236; p. 445.
- Car-door fastener. C. O. Williams. No. 1,243,025; Oct. 16; v. 243; p. 571.
- Car door, Freight-. J. M. Barrow. No. 1,236,040; Aug. 7; v. 241; p. 167.
- Car door, Freight-. J. L. Guerrant. No. 1,226,207; May 15; v. 238; p. 813.
- Car door, Freight-. W. Queenan and C. Farwell. No. 1,244,078; Oct. 23; v. 243; p. 924.
- Car door, Grain-. J. Maly. No. 1,229,996; June 12; v. 239; p. 591.
- Car door, Grain-. G. A. Spelbrink. No. 1,233,818; July 17; v. 240; p. 818.
- Car door, Grain-. N. Terry. No. 1,216,013; Feb. 13; v. 235; p. 576.
- Car door, Grain-. H. W. Willis. No. 1,249,703; Dec. 11; v. 245; p. 399.
- Car-door hanger, Roller. W. J. Addison. No. 1,225,098; May 8; v. 238; p. 396.
- Car-door lock. I. L. Brown. No. 1,231,486; June 26; v. 239; p. 1165.
- Car-door lock. F. C. Frank. No. 1,250,838; Dec. 18; v. 245; p. 774.
- Car-door lock. A. A. Johns. No. 1,213,651; Jan. 23; v. 234; p. 1232.
- Car-door lock. J. A. Milner. No. 1,249,168; Dec. 4; v. 245; p. 213.
- Car-door lock. P. Yonos. No. 1,232,157; July 3; v. 240; p. 210.
- Car-door lock, Dump-. A. Anderson. No. 1,244,684; Oct. 30; v. 243; p. 1145.
- Car-door-locking means. J. M. Rohlfing. No. 1,244,779; Oct. 30; v. 243; p. 1175.
- Car-door-locking mechanism. G. C. Cherbonnier. No. 1,244,698; Oct. 30; v. 243; p. 1149.
- Car door, Mine-. E. F. Tubach. No. 1,221,112; Apr. 3; v. 237; p. 37.
- Car-door operating and controlling mechanism. G. C. Cherbonnier. No. 1,244,699; Oct. 30; v. 243; p. 1150.
- Car-door-operating device. W. H. Heulings, Jr. No. 1,228,322; May 29; v. 238; p. 1589.
- Car-door-operating device. A. E. Ostrander. No. 1,244,770; Oct. 30; v. 243; p. 1172.
- Car-door-operating mechanism. J. F. McElroy. No. 1,221,202; Apr. 3; v. 237; p. 71.
- Car-door-operating mechanism. A. E. Ostrander and E. R. Schroeder. No. 1,244,768; Oct. 30; v. 243; p. 1171.
- Car-door-operating mechanism. J. M. Rohlfing. No. 1,224,796; May 1; v. 238; p. 241.

Alphabetical list of inventions—Continued.

- Car-door-operating mechanism, Dumping-. J. M. Rohling. No. 1,224,797; May 1; v. 233; p. 241.
- Car door-post. F. C. Cameron and J. McMullen. No. 1,244,583; Oct. 30; v. 243; p. 1115.
- Car door, Railway-. W. E. Williams. No. 1,240,634; Sept. 18; v. 242; p. 669.
- Car-door structure. J. W. Rumsey. No. 1,215,715; Feb. 13; v. 235; p. 470.
- Car-door structure, Box-. J. W. Rumsey. No. 1,215,716; Feb. 13; v. 235; p. 470.
- Car-door structure, Box-. J. W. Rumsey. No. 1,236,110; Aug. 7; v. 241; p. 187.
- Car door, Street-. F. H. McCauley. No. 1,249,976; Dec. 11; v. 245; p. 478.
- Car-doors, Mechanism for automatically opening and closing. O. E. Saholt. No. 1,226,698; May 22; v. 238; p. 1114.
- Car, Double-board single-sheathed. R. G. Ellis. No. 1,244,718; Oct. 30; v. 243; p. 1156.
- Car, Double-deck. F. Hedley and J. S. Doyle. No. 1,217,174; Feb. 27; v. 235; p. 1075.
- Car draft-gear, Railway-. J. F. O'Connor. No. 1,251,089; Dec. 25; v. 245; p. 897.
- Car draft-rigging, Railway-. J. F. O'Connor. No. 1,248,534; Dec. 4; v. 245; p. 30.
- Car draft-rigging, Railway-. J. F. O'Connor. No. 1,251,091; Dec. 25; v. 245; p. 897.
- Car driving mechanism, Railway-. C. H. Calkins. No. 1,240,419; Sept. 18; v. 242; p. 604.
- Car, Dump-. W. L. Burner. No. 1,236,368; Aug. 7; v. 241; p. 266.
- Car, Dump-. W. L. Burner. No. 1,245,866; Nov. 6; v. 244; p. 220.
- Car, Dump-. W. L. Burner and J. D. Benbow. No. 1,248,411; Nov. 27; v. 244; p. 1055.
- Car, Dump-. W. L. Burner and J. D. Benbow. No. 1,248,412; Nov. 27; v. 244; p. 1055.
- Car, Dump-. C. H. Clark. No. 1,223,148; Apr. 17; v. 237; p. 823.
- Car, Dump-. A. M. Gow. No. 1,248,312; Nov. 27; v. 244; p. 1027.
- Car, Dump-. K. H. Hansen. No. 1,236,165; Aug. 7; v. 241; p. 204.
- Car, Dump-. J. B. Herget. No. 1,249,624; Dec. 11; v. 245; p. 376.
- Car, Dump-. H. R. Keithley. No. 1,248,666; Dec. 4; v. 245; p. 71.
- Car, Dump-. J. O. Neikirk. No. 1,242,226; Oct. 9; v. 243; p. 281.
- Car, Dump-. J. B. Rhodes. No. 1,245,382; Nov. 6; v. 244; p. 71.
- Car, Dump-. J. J. Tatum. No. 1,235,739; Aug. 7; v. 241; p. 67.
- Car, Dumping-. A. C. Murphy. No. 1,224,404; May 1; v. 238; p. 104.
- Car, Dumping-. A. C. Murphy. No. 1,227,819; May 29; v. 238; p. 1422.
- Car, Dumping-. A. C. Murphy. No. 1,232,958; July 10; v. 240; p. 503.
- Car, Dumping-. A. C. Murphy. No. 1,232,959; July 10; v. 240; p. 504.
- Car-dumping apparatus. G. H. Mueller. No. 1,240,867; Sept. 25; v. 242; p. 775.
- Car-dumping apparatus. G. H. Mueller. No. 1,245,947; Nov. 6; v. 244; p. 242.
- Car-dumping apparatus. R. H. Rogers. No. 1,237,099; Aug. 14; v. 241; p. 539.
- Car-dumping apparatus, Mine-. W. A. Williams. No. 1,218,029; Mar. 6; v. 236; p. 49.
- Car-dumping appliance, Automatic. J. H. Baker. No. 1,213,327; Jan. 23; v. 234; p. 1121.
- Car elevator system, Multiple-. W. D. Baldwin. No. 1,218,617; Mar. 13; v. 236; p. 290.
- Car end. C. W. Dake. No. 1,239,773; Sept. 11; v. 242; p. 364.
- Car end. R. V. Sage. No. 1,245,803; Nov. 6; v. 244; p. 201.
- Car end. A. P. Williams. No. 1,244,677; Oct. 30; v. 243; p. 1143.
- Car end. J. S. Worth and C. Brecht. No. 1,224,051; Apr. 24; v. 237; p. 1167.
- Car end. J. S. Worth and C. Brecht. No. 1,251,316; Dec. 25; v. 245; p. 964.
- Car end construction. P. M. Beard. No. 1,224,831; May 1; v. 238; p. 254.
- Car end construction. A. Becker. No. 1,248,792; Dec. 4; v. 245; p. 109.
- Car end construction. H. E. Van Dorn. No. 1,241,685; Oct. 2; v. 243; p. 69.
- Car end construction, Railway-. J. H. Weisbrod. No. 1,244,806; Oct. 30; v. 243; p. 1182.
- Car end construction, Railway box-. V. E. Sisson. No. 1,244,649; Oct. 30; v. 243; p. 1134.
- Car end, Pressed-steel. V. E. Sisson. No. 1,237,397; Aug. 21; v. 241; p. 672.
- Car end, Freight-. W. E. Wine. No. 1,224,344; May 1; v. 238; p. 83.
- Car extension-step, Railway-. G. B. Ritchie. No. 1,250,659; Dec. 18; v. 245; p. 720.
- Car-fender. G. E. Frey. No. 1,235,307; July 31; v. 240; p. 1358.
- Car-fender. J. P. Geraghty. No. 1,229,935; June 12; v. 239; p. 573.
- Car-fender. H. S. Grace. No. 1,212,762; Jan. 16; v. 234; p. 892.
- Car-fender. R. L. Huston. No. 1,216,997; Feb. 20; v. 235; p. 970.
- Car-fender. M. J. Iverson. No. 1,236,088; Aug. 7; v. 241; p. 180.
- Car-fender. E. M. Knothe. No. 1,214,175; Jan. 30; v. 234; p. 1439.
- Car-fender. F. J. Plummer. No. 1,212,103; Jan. 9; v. 234; p. 626.
- Car-fender. L. B. Smyser. No. 1,237,833; Aug. 21; v. 241; p. 810.
- Car-floats, Movable platform for the stern end of. J. M. Cherry. No. 1,249,719; Dec. 11; v. 245; p. 404.
- Car-floor construction. W. E. Fowler, Sr. No. 1,244,047; Oct. 23; v. 243; p. 916.
- Car for diminishing the destructive effects of railway collisions. Pneumatic-dynamic. P. Penza. No. 1,218,310; Mar. 6; v. 236; p. 148.
- Car for railways, Passenger-. H. McNulta. No. 1,228,797; June 5; v. 239; p. 145.
- Car-frame construction. O. T. Gregg. No. 1,228,552; June 5; v. 239; p. 60.
- Car frame, Motor-. A. L. Campbell. No. 1,243,255; Oct. 16; v. 243; p. 639.
- Car frame, Passenger-. H. H. Vaughan. No. 1,245,071; Oct. 30; v. 243; p. 1262.
- Car, Freight-. W. J. Bohan. No. 1,228,742; June 5; v. 239; p. 126.
- Car, Freight-. C. Clark and J. Manning. No. 1,229,714; June 12; v. 239; p. 500.
- Car, Freight-. J. O. Neikirk. No. 1,248,890; Dec. 4; v. 245; p. 136.
- Car, Freight and stock. J. B. Shelton. No. 1,231,657; July 3; v. 240; p. 39.
- Car grain-door. C. French. No. 1,241,841; Oct. 2; v. 243; p. 119.
- Car grain-door. H. Sather. No. 1,212,820; Jan. 16; v. 234; p. 910.
- Car grain-door, Freight-. E. L. Smith. No. 1,238,586; Aug. 28; v. 241; p. 1087.
- Car guard, Coal-. C. K. Frederick. No. 1,221,434; Apr. 3; v. 237; p. 152.
- Car hand-brake. C. H. Pearson. No. 1,236,346; Aug. 7; v. 241; p. 260.
- Car hand-brake, Railway-. W. M. Dwyer. No. 1,240,324; Sept. 13; v. 242; p. 575.
- Car hand-brake, Railway-. C. R. Lord. No. 1,223,891; Apr. 24; v. 237; p. 1114.
- Car-handling apparatus. F. E. Woodford. No. 1,225,694; May 8; v. 238; p. 596.
- Car-handling system. J. McMyler. No. 1,240,466; Sept. 18; v. 242; p. 620.
- Car-heater. C. H. Krebs. No. 1,213,503; Jan. 23; v. 234; p. 1181.
- Car-heater, Electric. W. S. Hammond, Jr. No. 1,223,968; Apr. 24; v. 237; p. 1139.
- Car heater, Motor-. F. K. Hoffman. No. 1,246,098; Nov. 13; v. 244; p. 315.
- Car-heating system. E. E. Gold. No. 1,213,093; Jan. 16; v. 234; p. 1004.
- Car-heating system, Electric. L. P. Hynes. No. 1,237,341; Aug. 21; v. 241; p. 654.
- Car-hood construction, Passenger-. F. Koch. No. 1,249,121; Dec. 4; v. 245; p. 200.
- Car, Hopper-. A. Campbell. No. 1,214,508; Feb. 6; v. 235; p. 8.
- Car, Hot-metal. J. D. Pugh. No. 1,251,282; Dec. 25; v. 245; p. 954.
- Car into a sled, Device for transforming a motor-. J. E. Ollivier. No. 1,225,998; May 15; v. 238; p. 742.
- Car-jack. F. Christensen. No. 1,249,329; Dec. 11; v. 245; p. 292.
- Car, Jack-. J. K. Furst. No. 1,250,840; Dec. 18; v. 245; p. 775.
- Car-jacking frame. E. G. Gross. No. 1,251,015; Dec. 25; v. 245; p. 876.
- Car-journal. C. D. Dewey. No. 1,243,049; Oct. 16; v. 243; p. 578.
- Car journal-box lid, Railway-. W. E. Williams. No. 1,222,570; Apr. 10; v. 237; p. 583.
- Car journal-boxes, Means for automatically lubricating. O. M. Paskins. No. 1,247,321; Nov. 20; v. 244; p. 711.
- Car light, Street-. A. Krystyniak. No. 1,247,285; Nov. 20; v. 244; p. 702.
- Car-lighting system. W. L. Bliss. No. 1,231,991; July 3; v. 240; p. 152.
- Car loading and unloading device. J. H. Bauman and B. J. Simmons. No. 1,248,995; Dec. 4; v. 245; p. 165.
- Car-loading apparatus, Box-. G. Manierre. No. 1,226,553; May 15; v. 238; p. 928.
- Car-loading device, Cattle-. R. B. Howard. No. 1,247,114; Nov. 20; v. 244; p. 653.
- Car-loading machine, Box-. G. Manierre. No. 1,223,085; Apr. 17; v. 237; p. 80.
- Car manifold, Motor-. M. L. Williams. No. 1,238,862; Sept. 4; v. 242; p. 45.
- Car, Metal. A. N. Warfield. No. 1,230,349; June 19; v. 239; p. 747.
- Car, Mine-. J. V. Clark. No. 1,211,089; Jan. 2; v. 234; p. 245.
- Car, Motor-. A. T. Nogrady. No. 1,238,067; Aug. 21; v. 241; p. 884.

- Car, Motor-. L. P. Smeltzer. No. 1,248,027; Nov. 27; v. 244; p. 947.
- Car-motor-ventilating system. W. E. Ver Planck. No. 1,239,647; Sept. 11; v. 242; p. 323.
- Car-mover. W. A. Dorsey. No. 1,215,634; Feb. 13; v. 235; p. 441.
- Car-mover. C. McCarter. No. 1,212,974; Jan. 16; v. 234; p. 964.
- Car-net, Safety. H. C. Matthews. No. 1,242,834; Oct. 9; v. 243; p. 475.
- Car, Observation-. E. Branson. No. 1,232,761; July 10; v. 240; p. 440.
- Car or vehicle bodies and preparing the same, Metal covering for. A. Meyer. No. 1,221,561; Apr. 3; v. 237; p. 197.
- Car, Package-delivery. R. G. Pilkington. No. 1,234,561; July 24; v. 240; p. 1095.
- Car, Passenger-. P. N. Jones. No. 1,236,943; Aug. 14; v. 241; p. 489.
- Car, Passenger-. H. Rowntree. No. 1,229,791; June 12; v. 239; p. 526.
- Car, Passenger-. C. B. Steele. No. 1,224,681; May 1; v. 238; p. 201.
- Car platforms, Trap-door for railway-. E. F. Chaffee. No. 1,214,756; Feb. 6; v. 235; p. 96.
- Car platforms, Trap-door for railway-. E. F. Chaffee. No. 1,246,680; Nov. 20; v. 244; p. 585.
- Car platforms, Trap-door for railway-. E. F. Chaffee. No. 1,248,806; Dec. 4; v. 245; p. 113.
- Car, Rail-drilling. W. T. Krausch and E. F. Weber. No. 1,243,187; Oct. 16; v. 243; p. 620.
- Car, Rail motor-. L. J. B. Chêneau. No. 1,250,797; Dec. 18; v. 245; p. 761.
- Car, Railway-. F. M. Brinckerhoff. No. 1,244,947; Oct. 30; v. 243; p. 1225.
- Car, Railway-. E. C. Britt. No. 1,231,122; June 26; v. 239; p. 1046.
- Car, Railway-. J. O. Neikirk. No. 1,233,596; July 17; v. 240; p. 749.
- Car, Railway-. J. S. Worth and C. Brecht. No. 1,224,050; Apr. 24; v. 237; p. 1167.
- Car, Railway motor-. H. C. Tully. No. 1,215,083; Feb. 6; v. 235; p. 211.
- Car, Railway tank-. A. E. Smith. No. 1,245,281; Nov. 6; v. 244; p. 41.
- Car-record sheet. H. Rogers. No. 1,247,881; Nov. 27; v. 244; p. 906.
- Car-replacer. J. P. Cutburth. No. 1,246,062; Nov. 13; v. 244; p. 305.
- Car-replacer. J. P. Kopp. No. 1,222,956; Apr. 17; v. 237; p. 756.
- Car-replacer. E. J. Marcotte. No. 1,227,288; May 22; v. 238; p. 1216.
- Car-replacer. L. McEntyre. No. 1,232,063; July 3; v. 240; p. 178.
- Car-replacer. C. M. Shewmake. No. 1,226,390; May 15; v. 238; p. 877.
- Car-replacing device. J. Hoch. No. 1,250,177; Dec. 18; v. 245; p. 577.
- Car-replacing frog. J. H. Crites. No. 1,223,037; Apr. 17; v. 237; p. 784.
- Car, Robber-proof railway-. G. W. Meyers. No. 1,221,563; Apr. 3; v. 237; p. 198.
- Car roller side bearing. E. W. Webb. No. 1,239,547; Sept. 11; v. 242; p. 292.
- Car roller side bearing, Railway-. W. A. Geiger. No. 1,223,323; Apr. 17; v. 237; p. 879.
- Car roller side bearing, Railway-. W. E. Williams. No. 1,240,636; Sept. 18; v. 242; p. 670.
- Car-roof. C. Brown. No. 1,218,624; Mar. 13; v. 236; p. 299.
- Car-roof. R. W. Burnett. No. 1,224,899; May 8; v. 238; p. 328.
- Car-roof. R. W. Burnett. No. 1,237,292; Aug. 21; v. 241; p. 636.
- Car-roof. R. W. Burnett. No. 1,242,519; Oct. 9; v. 243; p. 373.
- Car-roof. A. Christianson. No. 1,220,193; Mar. 27; v. 236; p. 907.
- Car-roof. C. R. Hope. No. 1,236,303; Aug. 7; v. 241; p. 248.
- Car-roof. D. P. Kellogg. No. 1,230,720; June 19; v. 239; p. 869.
- Car-roof. F. A. Lester. No. 1,218,676; Mar. 13; v. 236; p. 310.
- Car-roof. J. McMullen. No. 1,215,954; Feb. 13; v. 235; p. 555.
- Car-roof. C. C. Murphy. No. 1,221,891; Apr. 10; v. 237; p. 343.
- Car-roof. C. C. Murphy. No. 1,221,892; Apr. 10; v. 237; p. 343.
- Car-roof. C. C. Murphy. No. 1,231,049; June 26; v. 239; p. 1020.
- Car-roof. W. P. Murphy. No. 1,227,484; May 22; v. 238; p. 1278.
- Car-roof. W. P. Murphy. No. 1,238,428; Aug. 28; v. 241; p. 1036.
- Car-roof. W. P. Murphy. No. 1,241,001; Sept. 25; v. 242; p. 818.
- Car-roof. W. P. Murphy. No. 1,250,206; Dec. 18; v. 245; p. 585.
- Car-roof. W. P. Murphy. No. 1,250,624; Dec. 18; v. 245; p. 710.
- Car-roof. J. E. O'Brien and C. Harter. No. 1,236,003; Aug. 7; v. 241; p. 155.
- Car-roof. J. Pearson. No. 1,213,246; Jan. 23; v. 234; p. 1091.
- Car-roof. T. N. Russell. No. 1,236,211; Aug. 7; v. 241; p. 221.
- Car-roof. J. J. Tatum. No. 1,239,740; Sept. 11; v. 242; p. 354.
- Car-roof. W. D. Thompson. No. 1,237,412; Aug. 21; v. 241; p. 677.
- Car-roof. W. D. Thompson. No. 1,247,743; Nov. 27; v. 244; p. 867.
- Car-roof construction, Railway-. A. Copony. No. 1,245,320; Nov. 6; v. 244; p. 54.
- Car-roof frames, Carline for. J. A. Costello. (Reissue.) No. 14,281; Apr. 3; v. 237; p. 283.
- Car-roof frames, Metal carline for. J. A. Costello. No. 1,218,629; Mar. 13; v. 236; p. 293.
- Car roof, Passenger-. V. Willoughby. No. 1,224,825; May 1; v. 238; p. 252.
- Car roof, Railway-. W. L. Havens and C. N. Swanson. No. 1,244,087; Oct. 23; v. 243; p. 927.
- Car-roof sheet. J. L. Mohun. No. 1,217,485; Feb. 27; v. 235; p. 1183.
- Car-roof, Steel. W. P. Murphy. No. 1,250,205; Dec. 18; v. 245; p. 585.
- Car safety device, Railway-. J. D. King. No. 1,222,108; Apr. 10; v. 237; p. 418.
- Car safety-fender. A. Leibner. No. 1,227,458; May 22; v. 238; p. 1269.
- Car-seat. F. Bennett. No. 1,214,124; Jan. 30; v. 234; p. 1424.
- Car-seat. F. Bennett. No. 1,214,123; Jan. 30; v. 234; p. 1423.
- Car-seat. F. Bennett. No. 1,234,267; July 24; v. 240; p. 999.
- Car-seat. J. E. Kilburn. No. 1,220,642; Mar. 27; v. 236; p. 1065.
- Car-seat. J. E. Kilburn. No. 1,232,931; July 10; v. 240; p. 496.
- Car-seat. G. B. Kohler. No. 1,221,748; Apr. 3; v. 237; p. 258.
- Car-seat. G. B. Kohler. No. 1,243,531; Oct. 16; v. 243; p. 722.
- Car-seat. R. B. Marsh. No. 1,212,533; Jan. 16; v. 234; p. 808.
- Car-seat. R. B. Marsh. No. 1,232,588; July 10; v. 240; p. 382.
- Car-seat. G. M. Ogle. No. 1,240,244; Sept. 18; v. 242; p. 549.
- Car-seat. O. D. Reisinger. No. 1,219,868; Mar. 20; v. 236; p. 756.
- Car-seat. R. F. Stubblebine. No. 1,250,698; Dec. 18; v. 245; p. 732.
- Car-seat. C. L. Thompson. No. 1,216,885; Feb. 20; v. 235; p. 932.
- Car-seat grip-handle. S. A. Walker. No. 1,224,861; May 1; v. 238; p. 263.
- Car seat, Railway-. F. H. Hill and H. Jeffrey. No. 1,238,913; Sept. 4; v. 242; p. 62.
- Car-seat, Reversible. J. E. Kilburn. No. 1,228,785; June 5; v. 239; p. 140.
- Car-section. C. W. Dake. No. 1,238,709; Aug. 28; v. 241; p. 1123.
- Car, Section-. E. D. Levy and B. W. Mudge. No. 1,227,808; May 29; v. 238; p. 1418.
- Car, Shingle-. L. H. Thompson. No. 1,214,094; Jan. 30; v. 234; p. 1413.
- Car, Side. R. S. Finlay. No. 1,215,265; Feb. 6; v. 235; p. 273.
- Car side bearing. F. L. Barber and E. W. Webb. No. 1,228,280; May 29; v. 238; p. 1575.
- Car side bearing, Railway-. J. F. O'Connor. No. 1,222,977; Apr. 17; v. 237; p. 763.
- Car side bearing, Railway-. J. F. O'Connor. No. 1,245,372; Nov. 6; v. 244; p. 68.
- Car side bearing, Railway-. J. F. O'Connor. No. 1,248,535; Dec. 4; v. 245; p. 31.
- Car side bearing, Railway-. C. B. Patch. No. 1,230,210; June 19; v. 239; p. 701.
- Car side bearing, Railway-. C. B. Patch. No. 1,250,497; Dec. 18; v. 245; p. 672.
- Car side doors, Door-fastener for box-. W. R. Miles. No. 1,234,786; July 31; v. 240; p. 1198.
- Car, Side-dump. H. T. Anderson. No. 1,237,445; Aug. 21; v. 241; p. 687.
- Car, Side-dumping hand-. J. C. Meredith. No. 1,230,006; June 12; v. 239; p. 594.
- Car sides, Stiffening member for. R. V. Sage. No. 1,214,080; Jan. 30; v. 234; p. 1409.
- Car signal, Street-. A. Williams and H. N. Strait. No. 1,245,415; Nov. 6; v. 244; p. 82.
- Car, Sleeping-. A. P. Droche. No. 1,242,331; Oct. 9; v. 243; p. 315.
- Car, Sleeping-. J. A. McNulty, N. H. Nelson, and J. Jessen. No. 1,226,349; May 15; v. 238; p. 864.
- Car, Sleeping-. E. D. Priest. No. 1,225,854; May 15; v. 238; p. 693.
- Car, Sleeping-. W. A. Robbins. No. 1,232,720; July 10; v. 240; p. 426.
- Car-stake. O. A. Freeman. No. 1,245,328; Nov. 6; v. 244; p. 56.
- Car-stake. G. A. Herron. No. 1,250,314; Dec. 18; v. 245; p. 617.

Alphabetical list of inventions—Continued.

- Car, Steel. R. W. Burnett. No. 1,250,136; Dec. 18; v. 245; p. 563.
- Car, Steel box-. W. E. Williams. No. 1,237,434; Aug. 21; v. 241; p. 684.
- Car, Steel-sheathed box-. W. E. Fowler, Sr. No. 1,225,948; May 15; v. 238; p. 725.
- Car-step. W. J. Garrigan. No. 1,220,087; Mar. 20; v. 236; p. 832.
- Car-step. W. J. Haviland. No. 1,214,782; Feb. 6; v. 235; p. 104.
- Car-step. C. D. Wabel. No. 1,212,716; Jan. 16; v. 234; p. 876.
- Car step and door. D. B. and L. W. Reddick. No. 1,244,370; Oct. 23; v. 243; p. 1011.
- Car step and door operating mechanism. P. J. Strimple. No. 1,220,905; Mar. 27; v. 236; p. 1153.
- Car-step. Automatic extension. D. R. Mayhew. No. 1,227,642; May 29; v. 238; p. 1361.
- Car-step, Auxiliary. W. D. Osbron. No. 1,246,780; Nov. 13; v. 244; p. 520.
- Car-step, Extensible. T. H. Lyle. No. 1,242,828; Oct. 9; v. 243; p. 473.
- Car-step, Extension. C. J. Wells. No. 1,228,271; May 29; v. 238; p. 1571.
- Car-step extension. Railway-. F. W. Becker. No. 1,248,245; Nov. 27; v. 244; p. 1008.
- Car step. Railway-. G. Byron and C. Skipwith. No. 1,211,078; Jan. 2; v. 234; p. 242.
- Car-steps. Foldable tread and riser for. W. L. Beard. No. 1,241,078; Sept. 25; v. 242; p. 840.
- Car-stop. R. W. Evans. No. 1,231,513; June 26; v. 239; p. 1173.
- Car-stopper. J. H. Brown. No. 1,250,133; Dec. 18; v. 245; p. 562.
- Car stopping and derailling device. W. B. Lee and M. A. Bodkin. No. 1,239,191; Sept. 4; v. 242; p. 150.
- Car-stopping mechanism, Railway-. F. C. Williams. No. 1,218,587; Mar. 6; v. 236; p. 241.
- Car, Street-. A. A. Kinney. No. 1,238,021; Aug. 21; v. 241; p. 869.
- Car, Street-. E. Redmond. No. 1,242,041; Oct. 2; v. 243; p. 182.
- Car, Street-. H. M. Sloan. No. 1,216,003; Feb. 13; v. 235; p. 571.
- Car, Street-railway. P. Witt. No. 1,243,026; Oct. 16; v. 243; p. 571.
- Car structure. L. T. Canfield. No. 1,226,860; May 22; v. 238; p. 1070.
- Car, Tank-. A. Becker. No. 1,237,156; Aug. 14; v. 241; p. 555.
- Car, Tank-. L. M. De Meritt and J. H. Zink. No. 1,237,484; Aug. 21; v. 241; p. 699.
- Car, Tank-. J. M. Waugh. No. 1,248,763; Dec. 4; v. 245; p. 100.
- Car, Test-weight. J. H. A. Bousfield. No. 1,230,850; June 26; v. 239; p. 952.
- Car, Tie-sawing. W. T. Krausch and E. F. Weber. No. 1,243,189; Oct. 16; v. 243; p. 621.
- Car, Tilting side-dump. C. H. Clark. No. 1,223,031; Apr. 17; v. 237; p. 782.
- Car-tipple. J. Dixon. No. 1,245,886; Nov. 6; v. 244; p. 225.
- Car-toilet lock, Railway-. L. J. Brune. No. 1,240,933; Sept. 25; v. 242; p. 798.
- Car-tops. Fastener for the bows of. W. Small. No. 1,245,996; Nov. 6; v. 244; p. 254.
- Car, Track-laying. W. T. Krausch and E. F. Weber. No. 1,243,188; Oct. 16; v. 243; p. 621.
- Car, Track-laying. W. T. Krausch and E. F. Weber. No. 1,248,676; Dec. 4; v. 245; p. 73.
- Car, train-pipe, and electric coupling, Combined. J. S. Doyle and F. Hedley. No. 1,216,294; Feb. 20; v. 235; p. 727.
- Car, Two-wheeled motor-. E. L. Whitehall. No. 1,235,747; Aug. 7; v. 241; p. 70.
- Car-uncoupling device, Railway-. S. H. Campbell. No. 1,247,221; Nov. 20; v. 244; p. 684.
- Car-uncoupling device, Railway-. S. J. Strid. No. 1,247,172; Nov. 20; v. 244; p. 670.
- Car-underframe. C. H. Anderson. No. 1,244,826; Oct. 30; v. 243; p. 1189.
- Car-underframe. A. Becker. No. 1,225,103; May 8; v. 238; p. 397.
- Car-underframe. W. P. Bettendorf. No. 1,234,269; July 24; v. 240; p. 1000.
- Car-underframe. C. E. Dath. No. 1,214,140; Jan. 30; v. 234; p. 1428.
- Car-underframe. A. E. Ostrander. No. 1,244,769; Oct. 30; v. 243; p. 1172.
- Car-underframe. W. J. Roa. No. 1,224,792; May 1; v. 238; p. 240.
- Car-underframe. J. M. Rohlfing. No. 1,244,780; Oct. 30; v. 243; p. 1175.
- Car-underframe. W. A. Stearns. No. 1,241,047; Sept. 25; v. 242; p. 831.
- Car-underframe. W. O. Thompson and R. H. Parks. No. 1,248,037; Nov. 27; v. 244; p. 949.
- Car-underframe. R. R. Weaver. No. 1,247,913; Nov. 27; v. 244; p. 916.
- Car-underframe. R. R. Weaver. No. 1,247,914; Nov. 27; v. 244; p. 916.
- Car underframing. J. R. Mitchell. No. 1,222,970; Apr. 17; v. 237; p. 761.
- Car-unloader. R. G. Fleming. No. 1,213,177; Jan. 23; v. 234; p. 1067.
- Car unloader. Half-. M. P. and P. Scardino. No. 1,235,386; July 31; v. 240; p. 1381.
- Car-unloading apparatus. E. Duvall. No. 1,226,483; May 15; v. 238; p. 906.
- Car-unloading apparatus. E. C. Gledhill. No. 1,212,624; Jan. 16; v. 234; p. 842.
- Car-ventilator. C. H. Turner. No. 1,245,826; Nov. 6; v. 244; p. 207.
- Car-vestibule curtains, Fixture for. E. R. Packer. No. 1,217,210; Feb. 27; v. 235; p. 1038.
- Car-vestibule diaphragm. E. E. Whitmore. No. 1,249,870; Dec. 11; v. 245; p. 449.
- Car vestibules, Diaphragm-plate buffer-spring for railway-. V. E. Sisson. No. 1,247,340; Nov. 20; v. 244; p. 717.
- Car-vestibules, Metal diaphragm for. T. W. Younger and O. B. Schoenky. No. 1,211,654; Jan. 9; v. 234; p. 471.
- Car-wall construction, Freight-. B. M. Mathias. No. 1,219,832; Mar. 20; v. 236; p. 743.
- Car-wall construction, Metallic. J. H. Weisbrod. No. 1,224,816; May 1; v. 238; p. 249.
- Car-wall construction, Reinforced. O. Hochberg. No. 1,224,743; May 1; v. 238; p. 224.
- Car-wheel. V. J., Sr., and V. J. Conces, Jr. No. 1,215,252; Feb. 6; v. 235; p. 269.
- Car-wheel. C. W. Sherman. No. 1,235,067; July 31; v. 240; p. 1285.
- Car wheel and attaching means therefor, Mine-. F. H. Gibbs. No. 1,224,736; May 1; v. 238; p. 221.
- Car wheel and attaching means therefor, Mine-. F. H. Gibbs. No. 1,245,142; Oct. 30; v. 243; p. 1283.
- Car wheel and journal-box. Interlocked mine-. W. V. Johnson. No. 1,244,739; Oct. 30; v. 243; p. 1163.
- Car-wheel bearing. W. F. Daniel. No. 1,218,839; Mar. 13; v. 236; p. 370.
- Car-wheel, Carbon-steel. W. S. Potter. No. 1,213,902; Jan. 30; v. 234; p. 1348.
- Car-wheel construction. N. A. Newdick. No. 1,215,690; Feb. 13; v. 235; p. 461.
- Car-wheel or similar body, Rolled-metal. L. F. Dieter. No. 1,246,067; Nov. 13; v. 244; p. 306.
- Car-wheel, Roller-bearing. H. C. Prox. No. 1,217,892; Feb. 27; v. 235; p. 1324.
- Car-wheel. Self-lubricating. J. M. Slaughter. No. 1,226,127; May 15; v. 238; p. 786.
- Car-wheel, Steel. J. Stuart. No. 1,218,489; Mar. 6; v. 236; p. 207.
- Car-wheels. Device for repairing. L. H. Kinney. No. 1,235,487; July 31; v. 240; p. 1410.
- Car-wheels, Making. F. Schaffer. No. 1,227,962; May 29; v. 238; p. 1473.
- Car-wheels, Making. C. W. Sherman. No. 1,211,249; Jan. 2; v. 234; p. 301.
- Car wind-shield, Side-. H. Bakewell. No. 1,240,646; Sept. 18; v. 242; p. 673.
- Car-window frame, Metal. C. H. Turner. No. 1,210,565; Jan. 2; v. 234; p. 65.
- Car-window side frame. C. H. Anderson. No. 1,228,161; May 29; v. 238; p. 1537.
- Car-windows, Ventilator-sash for. C. L. Harrison. No. 1,244,602; Oct. 30; v. 243; p. 1120.
- Car with trussed underframe, Tank-carrying box-. A. E. Ostrander. No. 1,224,776; May 1; v. 238; p. 234.
- Car, Wooden single-sheathed box-. J. H. Weisbrod. No. 1,244,809; Oct. 30; v. 243; p. 1184.
- Car-wrench. Reversible ratchet. G. M. Gealy. No. 1,244,596; Oct. 30; v. 243; p. 1119.
- Car-wrench, Safety. L. Montz. No. 1,236,740; Aug. 14; v. 241; p. 424.
- Cars, Adjustable deck for stock-. G. A. Rember. No. 1,246,467; Nov. 13; v. 244; p. 427.
- Cars and houses, Metal sheathing for. W. E. Williams. No. 1,240,635; Sept. 18; v. 242; p. 669.
- Cars and like vehicles, Sanding-gear for tram-. H. A. Forbes. No. 1,247,948; Nov. 27; v. 244; p. 926.
- Cars and omnibuses, Stationary seat for. J. B. Kunkel. No. 1,231,914; July 3; v. 240; p. 127.
- Cars and the like, Coupling apparatus for railway-. A. Pasquazzo and A. Tisl. No. 1,235,238; July 31; v. 240; p. 1336.
- Cars and the like, Door structure for grain-. A. Tautges. No. 1,219,506; Mar. 20; v. 236; p. 629.
- Cars and the like, Door structure for grain-. A. Tautges. No. 1,242,268; Oct. 9; v. 243; p. 294.
- Cars and the like, Heating system for refrigerator-. E. H. Gold. No. 1,242,898; Oct. 9; v. 243; p. 495.
- Cars and the like, Step for railway-. J. M. Dixon. No. 1,219,443; Mar. 20; v. 236; p. 607.
- Cars and wagons, Loading device for. W. L. Ullsperger. No. 1,236,890; Aug. 14; v. 241; p. 471.
- Cars, Antitheft device for motor-. J. W. Parkin. No. 1,213,244; Jan. 23; v. 234; p. 1091.
- Cars, Automatic dumping and righting mechanism for tiltable dump-. J. M. Druecker. No. 1,228,540; June 5; v. 239; p. 57.
- Cars, Automatic platform for street-. E. C. Rudd. No. 1,221,908; Apr. 10; v. 237; p. 349.
- Cars, Automatic stopping and releasing device for mine-. G. M. Johnson. No. 1,249,106; Dec. 4; v. 245; p. 196.
- Cars, Automatic transfer for dump-. W. J. Black. No. 1,249,305; Dec. 11; v. 245; p. 285.
- Cars, Auxiliary floor for railway-. W. E. Van Dorn. No. 1,212,121; Jan. 9; v. 234; p. 632.

- Cars, Band-anchor for tank-. E. G. Caughey. No. 1,229,884; June 12; v. 239; p. 557.
- Cars, Bulkhead construction for-. E. J. Shur. No. 1,250,370; Dec. 18; v. 245; p. 634.
- Cars, Cable connection for tramway-. H. B. Brockenbrough. No. 1,242,915; Oct. 16; v. 243; p. 534.
- Cars, Combination hinged roof for box-. J. Roberts. No. 1,243,979; Oct. 23; v. 243; p. 895.
- Cars, Contact-shoe for third-rail electric. C. F. Raydure. No. 1,215,855; Feb. 13; v. 235; p. 518.
- Cars, Corrugated-sheet-metal end structure for railway-. W. P. Murphy. No. 1,244,632; Oct. 30; v. 243; p. 1129.
- Cars, Current-collector for electric. J. McMillan and C. V. Greenamyer. No. 1,221,762; Apr. 3; v. 237; p. 263.
- Cars, Detachable cover for open motor-. H. Brügge. No. 1,218,050; Mar. 6; v. 236; p. 57.
- Cars, Device for locking the differential gear in motor-. H. Mayer and G. Schlatter. No. 1,212,795; Jan. 16; v. 234; p. 903.
- Cars, Door for side-dump. A. M. Gow. No. 1,210,462; Jan. 2; v. 234; p. 29.
- Cars, Draft-arm for railway-. L. T. Canfield. No. 1,214,510; Feb. 6; v. 235; p. 9.
- Cars, Drive-differential for motor-. W. R. Pillmore. No. 1,246,155; Nov. 13; v. 244; p. 332.
- Cars, Driving means for motor-driven railway-. S. J. Dunkley. No. 1,222,610; Apr. 17; v. 237; p. 637.
- Cars, End anchorage for tank-. G. F. Wood-Smith. No. 1,245,850; Nov. 6; v. 244; p. 215.
- Cars, Floor and wall connection for railway-. W. J. Roa. No. 1,224,790; May 1; v. 238; p. 239.
- Cars, Floor construction for passenger-. C. H. Anderson. No. 1,244,824; Oct. 30; v. 243; p. 1188.
- Cars, Folding seat for center-door. C. H. Anderson. No. 1,244,823; Oct. 30; v. 243; p. 1188.
- Cars, Foot-control accelerator for motor-. G. W. Lord. No. 1,216,708; Feb. 20; v. 235; p. 871.
- Cars, Friction buffing device for railway-. W. E. Wine. No. 1,215,457; Feb. 13; v. 235; p. 373.
- Cars, Friction draft-gear for railway-. W. H. Miner. No. 1,251,083; Dec. 25; v. 245; p. 896.
- Cars, Governor for electric-lighting generators for motor-. H. C. H. Smyth. No. 1,213,702; Jan. 23; v. 234; p. 1249.
- Cars, Hanger-strap for street-. W. R. Senftle. No. 1,236,609; Aug. 14; v. 241; p. 379.
- Cars, Hose-coupling for-. C. H. Klotz. No. 1,213,110; Jan. 16; v. 234; p. 1011.
- Cars in yards, Distribution of-. G. W. McMunn. No. 1,242,220; Oct. 9; v. 243; p. 279.
- Cars, Keeper for mine-. A. W. Spaht and G. R. Jacobs. No. 1,249,231; Dec. 4; v. 245; p. 233.
- Cars, Label-holder for railway-. W. Curry. No. 1,212,913; Jan. 16; v. 234; p. 942.
- Cars, Lift-deck for freight-. J. C. Youngblood. No. 1,229,374; June 12; v. 239; p. 387.
- Cars, Locking mechanism for dumping-. C. P. Astrom. No. 1,243,478; Oct. 16; v. 243; p. 705.
- Cars, Luggage-rack for sleeping-. F. E. Posson. No. 1,249,488; Dec. 11; v. 245; p. 337.
- Cars, Manifold for motor-. M. L. Williams. No. 1,239,424; Sept. 4; v. 242; p. 223.
- Cars, Metal end for railway-. W. P. Murphy. No. 1,246,143; Nov. 13; v. 244; p. 329.
- Cars, Metal end for railway-. V. E. Sisson. No. 1,244,907; Oct. 30; v. 243; p. 1213.
- Cars, Metal end structure for railway-. V. E. Sisson. No. 1,244,908; Oct. 30; v. 243; p. 1214.
- Cars, Metallic end for railway-. W. F. Dietrichson. No. 1,224,719; May 1; v. 238; p. 216.
- Cars, Metallic roof for railway-. J. J. Souder. No. 1,215,213; Feb. 6; v. 235; p. 255.
- Cars, Mounting for wheels and axles of mine-. W. A. Dorsey. No. 1,215,629; Feb. 13; v. 235; p. 439.
- Cars, Mounting for wheels and axles of mine-. W. A. Dorsey. No. 1,215,630; Feb. 13; v. 235; p. 439.
- Cars, Mounting for wheels and axles of mine-. W. A. Dorsey. No. 1,215,631; Feb. 13; v. 235; p. 440.
- Cars, Muffler cut-out for motor-. N. A. Petry. No. 1,215,185; Feb. 6; v. 235; p. 245.
- Cars or the like, Arrangement of tables in railway dining-. O. Kayser. No. 1,219,953; Mar. 20; v. 236; p. 786.
- Cars, Reinforcing-transom for railway-. L. T. Canfield. No. 1,239,458; Sept. 11; v. 242; p. 265.
- Cars, Releasable pocket for the stakes of logging-. E. C. Poundstone. No. 1,218,117; Mar. 6; v. 236; p. 80.
- Cars, Running-gear for mine-. J. F. Fox. No. 1,235,306; July 31; v. 240; p. 1357.
- Cars, Safety air-release for-. M. D. Moran. No. 1,241,649; Oct. 2; v. 243; p. 58.
- Cars, Safety appliance for railway-. B. Hoover. No. 1,210,803; Jan. 2; v. 234; p. 146.
- Cars, Safety life-guard attachment for-. F. Hedley and J. S. Doyle. No. 1,210,935; Jan. 2; v. 234; p. 192.
- Cars, Safety-stop for mine-. J. Klansnic. No. 1,219,748; Mar. 20; v. 236; p. 713.
- Cars, Safety-stop for mine-. W. D. Moon. No. 1,217,620; Feb. 27; v. 235; p. 1233.
- Cars, Sheet-metal end structure for railway-. W. P. Murphy. No. 1,236,744; Aug. 14; v. 241; p. 425.
- Cars, Side door for box-. W. J. Bohan. No. 1,245,666; Nov. 6; v. 244; p. 160.
- Cars, Signal device for electric-railway-. J. E. Keppel. No. 1,222,634; Apr. 17; v. 237; p. 646.
- Cars, &c., Signaling mechanism for motor-. F. H. Roll. No. 1,225,058; May 8; v. 238; p. 381.
- Cars, Sliding door for railway freight-. H. J. Tierney. No. 1,211,505; Jan. 9; v. 234; p. 420.
- Cars, Spring and frame supporter for motor-. J. Dottl. (Reissue.) No. 14,324; June 26; v. 239; p. 1186.
- Cars, Standard for flat-. I. E. Brady. No. 1,231,843; July 3; v. 240; p. 104.
- Cars, Steel end for freight-. W. E. Williams. No. 1,240,110; Sept. 11; v. 242; p. 467.
- Cars, System of suspension for tramway and railway. C. Dimez. No. 1,216,960; Feb. 20; v. 235; p. 956.
- Cars, Tare-weight indicator for freight-. F. C. Maegly. No. 1,221,465; Apr. 3; v. 237; p. 163.
- Cars, Trap-door for vestibule-. L. F. McNally. No. 1,228,938; June 5; v. 239; p. 190.
- Cars, Trolley mechanism for railway-. C. Kaspar. No. 1,238,148; Aug. 28; v. 241; p. 944.
- Cars, Upper framing for insulated steel railway-. H. F. Bethune and R. J. O'Neill. No. 1,221,960; Apr. 10; v. 237; p. 367.
- Cars, Walking attachment for motor-. H. K. Hedges. No. 1,229,954; June 12; v. 239; p. 579.
- Cars, Warner for motor-. J. G. Tharp. No. 1,241,782; Oct. 2; v. 243; p. 99.
- Cars, Water system for railway passenger-. E. A. Schreiber. No. 1,249,518; Dec. 11; v. 245; p. 346.
- Cars, Weather-shield for motor-. F. S. Bliven. No. 1,212,891; Jan. 16; v. 234; p. 934.
- Cars, Wheel-mounting for mine-. W. A. Dorsey. No. 1,215,632; Feb. 13; v. 235; p. 440.
- Cars, Wind-screen for side. A. Atkinson. No. 1,223,551; Apr. 24; v. 237; p. 994.
- Carafe and casing therefor. G. P. Altenberg. No. 1,218,036; Mar. 6; v. 236; p. 51.
- Carbid-holder register. P. E. and F. A. Webb. No. 1,245,076; Oct. 30; v. 243; p. 1264.
- Carbon and producing the same. R. A. Demme. No. 1,249,041; Dec. 4; v. 245; p. 178.
- Carbon-black and hydrogen. Manufacture of. R. F. Bacon, B. T. Brooks, and H. Clark. No. 1,220,391; Mar. 27; v. 236; p. 978.
- Carbon-black, Process and apparatus for making. W. O. Snelling. No. 1,213,915; Jan. 30; v. 234; p. 1352.
- Carbon compounds, Hydrogenization and dehydrogenization of. C. Bosch, A. Mittasch, and C. Schneider. No. 1,216,933; Feb. 20; v. 235; p. 947.
- Carbon-feeding mechanism. W. G. Preddey. No. 1,239,720; Sept. 11; v. 242; p. 348.
- Carbon monoxid and hydrogen. Manufacturing. R. P. Pictet. No. 1,228,818; June 5; v. 239; p. 151.
- Carbon-remover. F. R. Reed. No. 1,227,667; May 29; v. 238; p. 1370.
- Carbon-sheet holder. E. B. Norman. No. 1,231,418; June 26; v. 239; p. 1144.
- Carbon-stick holder. H. E. Smith. No. 1,245,164; Nov. 6; v. 244; p. 7.
- Carbonated-liquor tank. M. N. Connor. No. 1,235,658; Aug. 7; v. 241; p. 42.
- Carbonator. H. Kruecke. No. 1,232,694; July 10; v. 240; p. 417.
- Carbonic-acid gas from nitrogen gas. Removing. H. Philipp. No. 1,239,516; Sept. 11; v. 242; p. 282.
- Carbonic-acid indicator. A. Frisak. No. 1,223,953; Apr. 24; v. 237; p. 1134.
- Carbonic-acid solution and producing same. Stable. E. Rudolphi. No. 1,247,334; Nov. 20; v. 244; p. 715.
- Carbonic oxid. Producing. G. H. Benjamin. No. 1,225,396; May 8; v. 238; p. 497.
- Carborundum article and making it. G. A. Balz. No. 1,217,683; Feb. 27; v. 235; p. 1254.
- Carburation means. W. G. Davis. No. 1,227,530; May 22; v. 238; p. 1295.
- Carbureter. J. C. Adam. No. 1,241,461; Sept. 25; v. 242; p. 960.
- Carbureter. F. G. Adams. No. 1,242,630; Oct. 9; v. 243; p. 410.
- Carbureter. G. A. F. Ahlberg. No. 1,216,043; Feb. 13; v. 235; p. 587.
- Carbureter. B. C. J. Anderson. No. 1,239,442; Sept. 11; v. 242; p. 259.
- Carbureter. A. Arnold. No. 1,222,589; Apr. 17; v. 237; p. 629.
- Carbureter. F. O. Ball. No. 1,243,479; Oct. 16; v. 243; p. 706.
- Carbureter. F. O. Ball. No. 1,243,480; Oct. 16; v. 243; p. 706.
- Carbureter. G. A. Barber and R. J. G. McKnight. No. 1,235,180; July 31; v. 240; p. 1319.
- Carbureter. J. S. Baruch. No. 1,213,817; Jan. 30; v. 234; p. 1318.
- Carbureter. C. W. Beck. No. 1,211,386; Jan. 9; v. 234; p. 380.
- Carbureter. R. B. Benjamin. No. 1,221,956; Apr. 10; v. 237; p. 366.
- Carbureter. R. B. Benjamin. No. 1,225,398; May 8; v. 238; p. 498.
- Carbureter. A. C. Bennett. No. 1,223,662; Apr. 24; v. 237; p. 1033.
- Carbureter. A. S. Bergen. No. 1,212,887; Jan. 16; v. 234; p. 933.
- Carbureter. E. A. Bessom. No. 1,221,502; Apr. 3; v. 237; p. 176.

Alphabetical list of inventions—Continued.

- Carbureter. S. G. Brinkman. No. 1,243,250; Oct. 16; v. 243; p. 638.
 Carbureter. H. Carle. No. 1,243,038; Oct. 16; v. 243; p. 575.
 Carbureter. H. G. Carnell. No. 1,228,294; May 29; v. 238; p. 1580.
 Carbureter. W. C. Carter. No. 1,222,848; Apr. 17; v. 237; p. 719.
 Carburetor. D. Cole. No. 1,235,188; July 31; v. 240; p. 1321.
 Carbureter. A. Costa. No. 1,233,287; July 10; v. 240; p. 607.
 Carbureter. B. P. Critchlow. No. 1,226,753; May 22; v. 238; p. 1034.
 Carbureter. A. J. Cumming. No. 1,213,462; Jan. 23; v. 234; p. 1168.
 Carburetor. R. N. Cunningham. No. 1,234,530; July 24; v. 240; p. 1085.
 Carburetor. H. E. Curtis. No. 1,233,557; July 17; v. 240; p. 735.
 Carburetor. H. E. Curtis. No. 1,244,428; Oct. 23; v. 243; p. 1029.
 Carburetor. C. De Lukaševics. No. 1,244,712; Oct. 30; v. 243; p. 1154.
 Carburetor. C. De Lukaševics. No. 1,248,278; Nov. 27; v. 244; p. 1019.
 Carburetor. C. De Lukaševics and J. J. Wittal. No. 1,248,277; Nov. 27; v. 244; p. 1018.
 Carburetor. T. J. Disturnal. No. 1,226,479; May 15; v. 238; p. 905.
 Carburetor. G. W. Donning. No. 1,246,727; Nov. 13; v. 244; p. 503.
 Carburetor. G. W. D. A. and H. B. Donning. No. 1,233,763; July 17; v. 240; p. 800.
 Carburetor. J. L. Dressler. No. 1,214,767; Feb. 6; v. 235; p. 99.
 Carburetor. M. Duvall. No. 1,220,965; Mar. 27; v. 236; p. 1175.
 Carburetor. M. A. Duz and D. E. Washington. No. 1,244,040; Oct. 23; v. 243; p. 913.
 Carburetor. H. N. Edens. No. 1,237,490; Aug. 21; v. 241; p. 700.
 Carburetor. M. Egoroff. No. 1,222,941; Apr. 17; v. 237; p. 750.
 Carburetor. O. H. Ensign. No. 1,223,159; Apr. 17; v. 237; p. 826.
 Carburetor. O. G. Erickson. No. 1,240,960; Sept. 25; v. 242; p. 805.
 Carburetor. J. M. Evans. No. 1,232,256; July 3; v. 240; p. 241.
 Carburetor. J. M. Evans. No. 1,232,257; July 3; v. 240; p. 241.
 Carburetor. J. M. Evans. No. 1,232,258; July 3; v. 240; p. 241.
 Carburetor. J. M. Evans. No. 1,232,259; July 3; v. 240; p. 242.
 Carburetor. J. M. Evans. No. 1,232,260; July 3; v. 240; p. 242.
 Carburetor. L. V. Fletcher. No. 1,238,122; Aug. 28; v. 241; p. 935.
 Carburetor. A. A. Frevert. No. 1,242,432; Oct. 9; v. 243; p. 346.
 Carburetor. T. E. Friend. No. 1,246,581; Nov. 13; v. 244; p. 462.
 Carburetor. O. C. Funderburk. No. 1,249,373; Dec. 11; v. 245; p. 304.
 Carburetor. J. B. Funk. No. 1,221,526; Apr. 3; v. 237; p. 185.
 Carburetor. L. S. Gardner. No. 1,221,164; Apr. 3; v. 237; p. 57.
 Carburetor. L. S. Gardner. No. 1,246,904; Nov. 20; v. 244; p. 593.
 Carburetor. O. Gavelek. No. 1,239,173; Sept. 4; v. 242; p. 145.
 Carburetor. P. Gilles. No. 1,240,841; Sept. 25; v. 242; p. 768.
 Carburetor. J. S. Goldberg. No. 1,224,088; Apr. 24; v. 237; p. 1179.
 Carburetor. E. A. Grushus. No. 1,248,105; Nov. 27; v. 244; p. 968.
 Carburetor. V. E. Haas. No. 1,249,381; Dec. 11; v. 245; p. 306.
 Carburetor. J. Habenicht and H. Becke. No. 1,250,163; Dec. 18; v. 245; p. 572.
 Carburetor. F. W. Hagar. No. 1,235,464; July 31; v. 240; p. 1403.
 Carburetor. J. A. Haigh. No. 1,242,180; Oct. 9; v. 243; p. 267.
 Carburetor. E. J. Hall. No. 1,212,478; Jan. 16; v. 234; p. 788.
 Carburetor. B. T. Hamilton. No. 1,234,756; July 31; v. 240; p. 1189.
 Carburetor. J. J. Hawxhurst, Jr., and E. F. Nicolai. No. 1,210,799; Jan. 2; v. 234; p. 144.
 Carburetor. V. R. Heftler. No. 1,222,400; Apr. 10; v. 237; p. 522.
 Carburetor. A. R. Hendrix. No. 1,231,886; July 3; v. 240; p. 118.
 Carburetor. S. E. Heren. No. 1,243,602; Oct. 16; v. 243; p. 742.
 Carburetor. C. W. Hess. No. 1,227,137; May 22; v. 238; p. 1167.
 Carburetor. L. J. Hirt. No. 1,243,409; Oct. 16; v. 243; p. 1167.
 Carburetor. F. Howe. No. 1,237,519; Aug. 21; v. 241; p. 711.
 Carburetor. R. Huff. No. 1,221,329; Apr. 3; v. 237; p. 116.
 Carburetor. R. W. Ide. No. 1,246,746; Nov. 13; v. 244; p. 509.
 Carburetor. C. F. Johnson. No. 1,213,499; Jan. 23; v. 234; p. 1179.
 Carburetor. C. F. Johnson. No. 1,244,858; Oct. 30; v. 243; p. 1198.
 Carburetor. E. A. Johnston. No. 1,221,183; Apr. 3; v. 237; p. 64.
 Carburetor. J. S. Johnston. No. 1,234,343; July 24; v. 240; p. 1023.
 Carburetor. W. P. Kidder. No. 1,238,787; Sept. 4; v. 242; p. 20.
 Carburetor. R. Kirbach and V. Uber. No. 1,211,714; Jan. 9; v. 234; p. 490.
 Carburetor. C. H. Kirby. No. 1,213,209; Jan. 23; v. 234; p. 1079.
 Carburetor. E. Knauss. No. 1,212,505; Jan. 16; v. 234; p. 799.
 Carburetor. F. F. Kolarik. No. 1,247,548; Nov. 20; v. 244; p. 776.
 Carburetor. E. M. Kramer. No. 1,231,175; June 26; v. 239; p. 1063.
 Carburetor. R. E. Lahaussols. No. 1,221,749; Apr. 3; v. 237; p. 259.
 Carburetor. H. A. A. J. Lelarge. No. 1,219,568; Mar. 20; v. 236; p. 652.
 Carburetor. T. Lindenberg. No. 1,232,699; July 10; v. 240; p. 418.
 Carburetor. W. G. Little. No. 1,214,332; Jan. 30; v. 234; p. 1497.
 Carburetor. J. R. Mack. No. 1,232,586; July 10; v. 240; p. 381.
 Carburetor. G. B. McBean and C. W. Birchwood. No. 1,239,611; Sept. 11; v. 242; p. 312.
 Carburetor. H. C. Merriam. No. 1,225,466; May 8; v. 238; p. 521.
 Carburetor. H. A. Miller and C. J. Cadwell. No. 1,213,807; Jan. 23; v. 234; p. 1285.
 Carburetor. H. A. Miller and F. M. Adamson. No. 1,227,817; May 29; v. 238; p. 1422.
 Carburetor. H. A. Miller and F. M. Adamson. No. 1,231,773; July 3; v. 240; p. 79.
 Carburetor. H. A. Miller and F. M. Adamson. No. 1,236,096; Aug. 7; v. 241; p. 183.
 Carburetor. W. G. Milligan. No. 1,246,820; Nov. 13; v. 244; p. 531.
 Carburetor. A. F. Mohr. No. 1,226,356; May 15; v. 238; p. 867.
 Carburetor. W. J. P. Moore. No. 1,212,986; Jan. 16; v. 234; p. 969.
 Carburetor. C. Morgan. No. 1,234,558; July 24; v. 240; p. 1094.
 Carburetor. H. N. Motsinger. No. 1,224,489; May 1; v. 238; p. 135.
 Carburetor. J. L. Munson. No. 1,228,692; June 5; v. 239; p. 108.
 Carburetor. J. Murchie. No. 1,246,982; Nov. 20; v. 244; p. 615.
 Carburetor. C. P. Neats. No. 1,237,943; Aug. 21; v. 241; p. 844.
 Carburetor. C. L. Nedoma. No. 1,222,236; Apr. 10; v. 237; p. 464.
 Carburetor. R. C. Norman, Jr. No. 1,216,158; Feb. 13; v. 235; p. 628.
 Carburetor. N. E. Norstrom. No. 1,236,205; Aug. 7; v. 241; p. 218.
 Carburetor. H. R. Patterson. No. 1,226,805; May 22; v. 238; p. 1053.
 Carburetor. A. L. Payton. No. 1,241,546; Oct. 2; v. 243; p. 24.
 Carburetor. A. L. Payton. No. 1,241,547; Oct. 2; v. 243; p. 25.
 Carburetor. B. Pedersen. No. 1,238,433; Aug. 28; v. 241; p. 1037.
 Carburetor. W. P. Pembroke. No. 1,236,004; Aug. 7; v. 241; p. 155.
 Carburetor. W. P. Pembroke. No. 1,241,013; Sept. 25; v. 242; p. 821.
 Carburetor. W. P. Pembroke. No. 1,241,014; Sept. 25; v. 242; p. 822.
 Carburetor. J. T. Peterson. No. 1,233,503; July 17; v. 240; p. 717.
 Carburetor. S. L. Picard. No. 1,238,812; Sept. 4; v. 242; p. 29.
 Carburetor. C. I. Place. No. 1,214,366; Jan. 30; v. 234; p. 1507.
 Carburetor. C. W. Prochaska. No. 1,240,876; Sept. 25; v. 242; p. 778.
 Carburetor. C. L. Rayfield. No. 1,222,130; Apr. 10; v. 237; p. 425.
 Carburetor. C. L. Rayfield. No. 1,222,131; Apr. 10; v. 237; p. 425.
 Carburetor. C. L. Rayfield. No. 1,224,208; May 1; v. 238; p. 33.
 Carburetor. C. L. Rayfield. No. 1,224,209; May 1; v. 238; p. 33.
 Carburetor. H. M. Reichenbach. No. 1,222,672; Apr. 17; v. 237; p. 659.
 Carburetor. H. M. Reichenbach. (Reissue.) No. 14,332; July 24; v. 240; p. 1141.

- Carbureter. G. E. Riblet. No. 1,212,261; Jan. 16; v. 234; p. 714.
- Carbureter. E. C. Richard. No. 1,216,843; Feb. 20; v. 235; p. 918.
- Carbureter. W. H. Rohr. No. 1,232,847; July 10; v. 240; p. 467.
- Carbureter. F. Schlueter and C. Mericle. No. 1,213,028; Jan. 16; v. 234; p. 983.
- Carbureter. F. L. Sessions. No. 1,231,209; June 26; v. 239; p. 1074.
- Carbureter. F. L. Sessions. No. 1,235,164; July 31; v. 240; p. 1314.
- Carbureter. F. L. Sessions. No. 1,235,165; July 31; v. 240; p. 1314.
- Carbureter. W. Shakespeare, Jr., and W. Schmid. No. 1,234,227; July 24; v. 240; p. 986.
- Carbureter. W. Shakespeare, Jr., and W. Schmid. No. 1,234,399; July 24; v. 240; p. 1042.
- Carbureter. W. Shakespeare, Jr., and W. Schmid. No. 1,234,400; July 24; v. 240; p. 1043.
- Carbureter. W. Shakespeare, Jr., and W. Schmid. No. 1,234,401; July 24; v. 240; p. 1044.
- Carbureter. W. Shakespeare, Jr., and W. Schmid. No. 1,237,395; Aug. 21; v. 241; p. 671.
- Carbureter. W. Shakespeare, Jr., and W. Schmid. No. 1,243,348; Oct. 16; v. 243; p. 668.
- Carbureter. C. L. Sheppy. No. 1,213,914; Jan. 30; v. 234; p. 1352.
- Carbureter. R. Shipman. No. 1,222,688; Apr. 17; v. 237; p. 665.
- Carbureter. G. N. Squires. No. 1,222,483; Apr. 10; v. 237; p. 551.
- Carbureter. A. C. Stewart. No. 1,228,845; June 5; v. 239; p. 161.
- Carbureter. A. E. Stoker. No. 1,234,229; July 24; v. 240; p. 987.
- Carbureter. W. H. Swain. No. 1,230,621; June 19; v. 239; p. 838.
- Carbureter. A. S. Taylor. No. 1,247,602; Nov. 20; v. 244; p. 791.
- Carbureter. A. Thompson. No. 1,243,897; Oct. 23; v. 243; p. 871.
- Carbonater. N. J. Toussaint, A. E. Puffer, and A. Anderson. No. 1,246,498; Nov. 13; v. 244; p. 436.
- Carbureter. R. C. Townsend. No. 1,235,612; Aug. 7; v. 241; p. 28.
- Carbureter. J. J. Tracy. No. 1,222,163; Apr. 10; v. 237; p. 438.
- Carbureter. J. W. Tumlalty. No. 1,239,234; Sept. 4; v. 242; p. 165.
- Carbureter. J. Van den Bos. No. 1,226,929; May 22; v. 238; p. 1093.
- Carbureter. J. Vodicka and A. F. Young. No. 1,229,683; June 12; v. 239; p. 491.
- Carbureter. S. D. Waldon. No. 1,220,478; Mar. 27; v. 236; p. 1009.
- Carbureter. J. L. Walker. No. 1,242,089; Oct. 2; v. 243; p. 196.
- Carbureter. H. C. Well. No. 1,216,027; Feb. 13; v. 235; p. 581.
- Carbureter. E. E. Wickersham. No. 1,243,666; Oct. 16; v. 243; p. 763.
- Carbureter. E. E. Winkley. No. 1,240,281; Sept. 18; v. 242; p. 561.
- Carbureter. A. F. Young. No. 1,247,478; Nov. 20; v. 244; p. 756.
- Carbureter air-intakes, Electric heater for. J. M. Nater. No. 1,244,234; Oct. 23; v. 243; p. 971.
- Carbureter attachment. A. C. Ferrier. No. 1,225,021; May 8; v. 238; p. 869.
- Carbureter attachment. L. B. Giddens. No. 1,213,621; Jan. 23; v. 234; p. 1222.
- Carbureter attachment. L. B. Harrod. No. 1,250,451; Dec. 18; v. 245; p. 658.
- Carbureter attachment for internal-combustion engines. G. A. Squire. No. 1,217,233; Feb. 27; v. 235; p. 1094.
- Carbureter, Automatically-operating. C. E. Johnson. No. 1,212,491; Jan. 16; v. 234; p. 793.
- Carbureter, Combination-fuel. E. A. Stinson. No. 1,211,003; Jan. 2; v. 234; p. 216.
- Carbureter feed attachment. A. Kossina. No. 1,220,757; Mar. 27; v. 236; p. 1103.
- Carbureter-feed system. J. P. Farrell. No. 1,245,893; Nov. 6; v. 244; p. 227.
- Carbureter for explosion-motors. M. J. B. Barbarou. No. 1,228,738; June 5; v. 239; p. 124.
- Carbureter for gas-engines. H. J. Podlešák. No. 1,226,366; May 15; v. 238; p. 869.
- Carbureter for internal-combustion engines. G. F. Trotter. No. 1,248,954; Dec. 4; v. 245; p. 153.
- Carbureter for internal combustion engines. S. Wertheimer. No. 1,228,272; May 29; v. 238; p. 1572.
- Carbureter for internal-combustion motors. G. W. Downing. No. 1,242,926; Oct. 16; v. 243; p. 538.
- Carbureter-governor. G. Adams. No. 1,234,995; July 31; v. 240; p. 1264.
- Carbureter-heating device. O. P. Strickler and B. C. Lewis. No. 1,230,619; June 19; v. 239; p. 838.
- Carbureter, Kerosene. J. T. Clark and F. E. Ross. No. 1,236,267; Aug. 7; v. 241; p. 237.
- Carbureter, Kerosene. C. J. Mundhenk. No. 1,246,305; Nov. 13; v. 244; p. 377.
- Carbureter-lock. W. H. Gettz. No. 1,250,299; Dec. 18; v. 245; p. 612.
- Carbureter-locking device. G. C. Jensen. No. 1,243,301; Oct. 16; v. 243; p. 654.
- Carbureter, Multiple-fuel. L. A., E. T., and E. L. Straubel. No. 1,235,396; July 31; v. 240; p. 1384.
- Carbureter, Multiple-jet. C. L. Rayfield. No. 1,224,207; May 1; v. 238; p. 32.
- Carbureter-nozzle. W. C. M. Schrader. No. 1,224,672; May 1; v. 238; p. 198.
- Carbureter-primer. C. L. Rayfield. No. 1,222,562; Apr. 10; v. 237; p. 580.
- Carbureter-support. W. J. Loury. No. 1,234,482; July 24; v. 240; p. 1070.
- Carbureter, Thermo-electric. C. F. Schulz. No. 1,216,613; Feb. 20; v. 235; p. 841.
- Carbureter, Vacuum-feed. P. Gilles. No. 1,240,842; Sept. 25; v. 242; p. 769.
- Carbureters. Air-heater for. W. Shakespeare, Jr., and W. Schmid. No. 1,226,710; May 22; v. 238; p. 1018.
- Carbureters, Air-strainer attachment for. A. O. Craven. No. 1,251,342; Dec. 25; v. 245; p. 972.
- Carbureters, Automatic mixture-regulator for. F. B. Olson and H. G. Gosselein. No. 1,212,244; Jan. 16; v. 234; p. 706.
- Carbureters, Float feed-chamber and float for. F. W. Hagar. No. 1,240,200; Sept. 18; v. 242; p. 536.
- Carbureters, Float feed mechanism for. C. L. Rayfield. No. 1,222,561; Apr. 10; v. 237; p. 579.
- Carbureters, Fuel-feeding device for. P. Gilles. No. 1,240,840; Sept. 25; v. 242; p. 767.
- Carbureters, Fuel-filter for. H. Kasmussen. No. 1,221,376; Apr. 3; v. 237; p. 132.
- Carbureters, Heating device for water-jacketed. R. A. Fisk. No. 1,216,301; Feb. 20; v. 235; p. 730.
- Carbureters, Heating-jacket for. O. G. Erickson. No. 1,247,096; Nov. 20; v. 244; p. 648.
- Carbureters, Heating means for. J. H. Lepper. No. 1,222,426; Apr. 10; v. 237; p. 531.
- Carbureters in motor-vehicles, Shut-off for. W. J. Cooper. No. 1,238,989; Sept. 4; v. 242; p. 87.
- Carbureters, Manually-controlled auxiliary air-inlet for. J. J. Collins. No. 1,223,670; Apr. 24; v. 237; p. 1036.
- Carbureting apparatus. F. W. O. Boeckem. No. 1,214,885; Feb. 6; v. 235; p. 140.
- Carbureting apparatus. H. A. Frederick. No. 1,237,190; Aug. 14; v. 241; p. 565.
- Carbureting apparatus for internal-combustion engines. E. W. Johnson. No. 1,218,867; Mar. 13; v. 236; p. 381.
- Carbureting apparatus for internal-combustion engines. H. Lemp. No. 1,251,390; Dec. 25; v. 245; p. 986.
- Carbureting means for use with heavy fuels. A. C. Stewart. No. 1,235,255; July 31; v. 240; p. 1342.
- Carcass scalding, dehairing, and polishing machine. J. W. Kohlhepp. No. 1,210,951; Jan. 2; v. 234; p. 198.
- Card-accounting, Mechanical. C. H. Tallmadge. No. 1,247,899; Nov. 27; v. 244; p. 912.
- Card, Adjustable show-. R. R. Heywood. No. 1,239,485; Sept. 11; v. 242; p. 272.
- Card, Amusement-. F. M. Stanger. No. 1,246,796; Nov. 13; v. 244; p. 524.
- Card and letter case. R. J. Wright. No. 1,211,025; Jan. 2; v. 234; p. 225.
- Card and the like, Adjusting and record. G. W. Odell. No. 1,221,895; Apr. 10; v. 237; p. 344.
- Card apparatus, Reference-. B. G. Rand. No. 1,249,669; Dec. 11; v. 245; p. 388.
- Card-assorting machine. A. S. Trew. No. 1,214,394; Jan. 30; v. 234; p. 1518.
- Card-case. R. F. Wilson. No. 1,223,013; Apr. 17; v. 237; p. 776.
- Card-case, Pocket. W. C. Cutler. No. 1,234,296; July 24; v. 240; p. 1008.
- Card-exhibiting device. R. S. Sarver. No. 1,213,272; Jan. 23; v. 234; p. 1100.
- Card-feeler stop-motion. J. L. Hartsell and W. J. West. No. 1,227,613; May 29; v. 238; p. 1351.
- Card for accounting systems, Perforated. J. R. Peirce. No. 1,236,475; Aug. 14; v. 241; p. 335.
- Card for loose-leaf devices. K. L. Eddy. No. 1,210,437; Jan. 2; v. 234; p. 21.
- Card for mounting hair-pins and the like. H. M. Owens. No. 1,215,402; Feb. 13; v. 235; p. 354.
- Card, Guide-. H. O. Jenkins. No. 1,215,542; Feb. 13; v. 235; p. 405.
- Card-holder. E. Michell. No. 1,246,297; Nov. 13; v. 244; p. 375.
- Card-holder. G. Spuchler. No. 1,239,838; Sept. 11; v. 242; p. 386.
- Card-holder. W. G. Vandegrift. No. 1,224,582; May 1; v. 238; p. 167.
- Card, Identifying-. E. G. Pickering. No. 1,228,817; June 5; v. 239; p. 151.
- Card, Identifying-. E. G. Pickering. No. 1,245,015; Nov. 6; v. 244; p. 144.
- Card, Identifying-. E. G. Pickering. No. 1,246,653; Nov. 13; v. 244; p. 483.
- Card, Index-. J. H. Rand. No. 1,227,827; May 29; v. 238; p. 1426.
- Card or folder, Information. C. C. Haas. No. 1,220,098; Mar. 20; v. 236; p. 836.
- Card-punching device. J. W. Fritch and D. E. Iloopes. No. 1,229,057; June 5; v. 239; p. 228.
- Card-receptacle. W. C. Cutler. No. 1,248,822; Dec. 4; v. 245; p. 118.

Alphabetical list of inventions—Continued.

- Card, Sample-. B. F. Stenz. No. 1,236,118; Aug. 7; v. 241; p. 190.
- Card-selecting device. T. R. Vinzent and C. E. Warren. No. 1,228,854; June 5; v. 239; p. 164.
- Card-sorting machines, Selective and totalizing count-action for. J. Powers. No. 1,240,601; Sept. 18; v. 242; p. 659.
- Card, Stencil-. E. D. Belknap. No. 1,239,760; Sept. 11; v. 242; p. 360.
- Card-table. C. W. Coffin. No. 1,236,544; Aug. 14; v. 241; p. 358.
- Card-table. C. W. Coffin. No. 1,247,644; Nov. 27; v. 244; p. 836.
- Card-tabulating machine, Electrical. J. Powers. No. 1,245,505; Nov. 6; v. 244; p. 109.
- Card unit for index systems. J. H. Rand, Jr. No. 1,218,464; Mar. 6; v. 236; p. 199.
- Card-verifying machine. J. Powers. No. 1,245,765; Nov. 6; v. 244; p. 187.
- Cards, Game-. N. R. Russell. No. 1,234,393; July 24; v. 240; p. 1041.
- Cards, photograph-frames, and other articles, Supporting-strut for show-. W. J. Brooks. No. 1,217,402; Feb. 27; v. 235; p. 1153.
- Cards, Playing-. A. A. Biocchi. No. 1,233,545; July 17; v. 240; p. 731.
- Cards, Playing-. P. S. Cohen. No. 1,243,263; Oct. 16; v. 243; p. 642.
- Cards, Playing-. M. A. Ermold. No. 1,212,198; Jan. 16; v. 234; p. 689.
- Cards, Playing-. R. L. Hicks. No. 1,215,657; Feb. 13; v. 235; p. 449.
- Cards, Playing-. G. C. Lloyd. No. 1,236,094; Aug. 7; v. 241; p. 182.
- Cards, Playing-. T. Norpath. No. 1,230,317; June 19; v. 239; p. 736.
- Cards, Playing-. L. L. Perrine. No. 1,246,152; Nov. 13; v. 244; p. 331.
- Cards, Playing-. G. J. Schied. No. 1,243,985; Oct. 23; v. 243; p. 896.
- Cards, Pocket-case for calling-. W. C. Cutler. No. 1,248,823; Dec. 4; v. 245; p. 118.
- Cards, Reading-box for punched. A. W. Bottum. No. 1,230,102; June 19; v. 239; p. 664.
- Carding device for artificial teeth. T. Steele. No. 1,248,030; Nov. 27; v. 244; p. 947.
- Carding-machine. E. H. Rooney. No. 1,249,833; Dec. 11; v. 245; p. 438.
- Carding machines, Apparatus for supplementing the carding and burring of the silver in double. L. Leveugle. No. 1,211,190; Jan. 2; v. 234; p. 279.
- Cargo-beam. M. Lenke. No. 1,228,120; May 29; v. 238; p. 1525.
- Cargo-handling apparatus. T. M. Cornbrooks. No. 1,235,768; Aug. 7; v. 241; p. 78.
- Carline. L. A. Hoerr. No. 1,229,267; June 12; v. 239; p. 350.
- Carline. F. Mathews. No. 1,230,747; June 19; v. 239; p. 878.
- Carline. F. W. Wolff. No. 1,238,470; Aug. 28; v. 241; p. 1050.
- Carline. F. W. Wolff. No. 1,247,776; Nov. 27; v. 244; p. 878.
- Carline and making it. F. Mathews. No. 1,235,042; July 31; v. 240; p. 1279.
- Carline, Metal. J. A. Costello. No. 1,231,712; July 3; v. 240; p. 60.
- Carline, Metal. J. A. Costello. No. 1,232,002; July 3; v. 240; p. 156.
- Carline, Metal. J. A. Costello. No. 1,232,003; July 3; v. 240; p. 156.
- Carousel. J. Buff. No. 1,219,913; Mar. 20; v. 236; p. 771.
- Carousel. C. E. Morris. No. 1,241,138; Sept. 25; v. 242; p. 859.
- Carousel, Portable. I. Milonczyk. No. 1,213,931; Jan. 30; v. 234; p. 1357.
- Carousels, Cornice-lock for. C. H. Bowditch. No. 1,230,104; June 19; v. 239; p. 665.
- Carousels, Portable horse-hanger and coupling for. C. H. Bowditch. No. 1,230,103; June 19; v. 239; p. 665.
- Carousels, Seat-actuating mechanism for. G. H. Cramer. No. 1,230,998; June 26; v. 239; p. 1003.
- Carousels, Seat-hanger for. G. H. Cramer. No. 1,217,280; Feb. 27; v. 235; p. 1111.
- Carpenter's work-support. G. F. Krieger. No. 1,243,532; Oct. 16; v. 243; p. 722.
- Carpet and floor cleaning tool. G. E. Wightman. No. 1,236,126; Aug. 7; v. 241; p. 192.
- Carpet-beater. H. D. Kempton. No. 1,241,222; Sept. 25; v. 242; p. 886.
- Carpet-beating frame. L. V. Meyer. No. 1,231,281; June 26; v. 239; p. 1097.
- Carpet-cleaner. A. Stathakis. No. 1,244,139; Oct. 23; v. 243; p. 942.
- Carpet-cleaner, Pneumatic. E. E. Overholt. No. 1,222,454; Apr. 10; v. 237; p. 540.
- Carpet-cleaning machine. W. T. Roberts. No. 1,231,940; July 3; v. 240; p. 135.
- Carpet-fastener. P. Schneider. No. 1,219,167; Mar. 13; v. 236; p. 482.
- Carpet-holding device. F. J. Petruscha. No. 1,216,602; Feb. 20; v. 235; p. 837.
- Carpet-picking machine. C. A. Connan. No. 1,229,415; June 12; v. 239; p. 400.
- Carpet-sweeper. W. Katako. No. 1,230,489; June 19; v. 239; p. 793.
- Carpet-sweeper shield. D. Duncan. No. 1,250,817; Dec. 18; v. 245; p. 768.
- Carpet-sweeper to a handle, Means for securing the head of a. A. M. Grubbs. No. 1,219,293; Mar. 13; v. 236; p. 524.
- Carpet-sweepers, Wet-cleaning attachment for. F. Hod-schar. No. 1,221,324; Apr. 3; v. 237; p. 114.
- Carpet washing and rinsing machine. H. F. Gray. No. 1,240,799; Sept. 18; v. 242; p. 721.
- Carpets, rugs, and similar articles, Beater for. L. V. S. Seijas. No. 1,250,034; Dec. 11; v. 245; p. 495.
- Carriage and apparatus operable from a distant station. E. Schneider. No. 1,233,712; July 17; v. 240; p. 785.
- Carriage and go-cart, Combination sleeper-. N. J. Kroll. No. 1,217,017; Feb. 20; v. 235; p. 976.
- Carriage, Baby-. A. D. Santmire. No. 1,228,055; May 29; v. 238; p. 1504.
- Carriage, Baby-. E. R. Wagner. No. 1,221,396; Apr. 3; v. 237; p. 139.
- Carriage brake, Baby-. W. Woolsey, Jr. No. 1,247,056; Nov. 20; v. 244; p. 635.
- Carriage, Doll-. P. J. Reinert. No. 1,213,017; Jan. 16; v. 234; p. 979.
- Carriage-feed mechanism. G. F. Handley. No. 1,212,939; Jan. 16; v. 234; p. 950.
- Carriage, Foldable doll-. W. G. Kennedy and B. W. Tucker. No. 1,238,524; Aug. 28; v. 241; p. 1067.
- Carriage, Folding child's. A. T. Wannenwetsch. No. 1,215,085; Feb. 6; v. 235; p. 212.
- Carriage for overhead tracks. J. Matthews. No. 1,241,537; Oct. 2; v. 243; p. 21.
- Carriage-step. E. Terry. No. 1,227,218; May 22; v. 238; p. 1193.
- Carriage-top. F. H. Kiser. No. 1,225,038; May 8; v. 238; p. 376.
- Carriages, Adjustable stool for baby-. L. M. Pierce. No. 1,213,251; Jan. 23; v. 234; p. 1093.
- Carriages, Auxiliary seat for baby-. J. Carroll. No. 1,245,679; Nov. 6; v. 244; p. 163.
- Carriages, Auxiliary seat for baby-. W. Lutostanski. No. 1,235,347; July 31; v. 240; p. 1369.
- Carriages, Sleigh-runner attachment for baby-. M. H. Reynolds. No. 1,246,784; Nov. 13; v. 244; p. 521.
- Carriages, Transparent adjustable shield for infants'. C. E. Cooley. No. 1,233,082; July 10; v. 240; p. 526.
- Carrier. See—
- Aerial mail-carrier. Lantern-slide carrier.
 - Automobile baggage-carrier. License-carrier.
 - Automobile-curtain carrier. Litter-carrier.
 - Automobile luggage-carrier. Loom filler-carrier.
 - Bag-carrier. Luggage-carrier.
 - Banana-carrier. Mail-carrier.
 - Basket-carrier. Oil-wick carrier.
 - Bed and parcel carrier. Pack-carrier.
 - Bicycle-carrier. Package-carrier.
 - Bottle-carrier. Parcel-carrier.
 - Brick-carrier. Pie and cake carrier.
 - Bundle-carrier. Plate-carrier.
 - Can-carrier. Ride-carrier.
 - Cartridge-carrier. Safety-carrier.
 - Coin-carrier. Seal-carrier.
 - Collapsible carrier. Sheaf-carrier.
 - Composition-carrier. Spare-wheel carrier.
 - Concrete-block carrier. Stock-carrier.
 - Corpse-carrier. Table and kit-carrier.
 - Cuspidor-carrier. Tape-carrier.
 - Draft-gear carrier. Telephone-carrier.
 - Draw-bar carrier. Tire-carrier.
 - Egg-carrier. Tire and baggage carrier.
 - Flash-light carrier. Tire and luggage carrier.
 - Fuse-carrier. Tree-carrier.
 - Grain-carrier. Vehicle baggage-carrier.
 - Gravity-carrier. Watch-carrier.
 - Invalid-carrier. Wire-carrier.
 - Knitting-machine-needle carrier. Woven carrier.
 - Knitting-machine-needle carrier. Yarn-carrier.
- Carrier. B. R. Averill. No. 1,218,920; Mar. 13; v. 236; p. 399.
- Carrier. J. O. Hart. No. 1,238,909; Sept. 4; v. 242; p. 61.
- Carrier. E. M. Hennies. No. 1,225,245; May 8; v. 238; p. 443.
- Carrier. W. Mitchell. No. 1,241,238; Sept. 25; v. 242; p. 891.
- Carrier. R. F. Schneider. No. 1,245,805; Nov. 6; v. 244; p. 201.
- Carrier and lamp, Combined. C. A. Ferry. No. 1,231,146; June 26; v. 239; p. 1053.
- Carrier-assorting device. F. R. Taisey. No. 1,218,910; Mar. 13; v. 236; p. 395.
- Carrier-despatch apparatus, Monitor system for. C. S. Jennings. No. 1,210,481; Jan. 2; v. 234; p. 36.
- Carrier-despatch apparatus, Monitor system for. C. S. Jennings. No. 1,210,482; Jan. 2; v. 234; p. 36.
- Carrier support, Adjustable revolving-. O. Fleisch. No. 1,212,926; Jan. 16; v. 234; p. 946.
- Carriers, Loading and unloading device for endless. C. B. Hastings. No. 1,236,300; Aug. 7; v. 241; p. 247.

- Carrying apparatus, Cable-controlled. A. Davirio. No. 1,226,314; May 15; v. 238; p. 854.
- Carrying-hook. R. Richards and H. P. Marley. No. 1,216,362; Feb. 20; v. 235; p. 750.
- Carrying mechanism. J. P. Hunter and H. Kuentzler. No. 1,225,961; May 15; v. 238; p. 729.
- Carrying purposes, Personal equipment for. J. A. Pugh. No. 1,230,025; June 12; v. 239; p. 601.
- Cart. J. J. Bartscher. No. 1,250,793; Dec. 18; v. 245; p. 760.
- Cart. Ash-. W. Eiermann. No. 1,224,290; May 1; v. 238; p. 64.
- Cart. Ash and garbage collecting and conveying. R. W. Vail. No. 1,214,976; Feb. 6; v. 235; p. 173.
- Cart. Flushing-. J. I. Brorby. No. 1,211,396; Jan. 9; v. 234; p. 383.
- Cart. Street-cleaning. W. B. Grannatt. No. 1,237,506; Aug. 21; v. 241; p. 706.
- Carton. M. T. Ash. No. 1,223,232; Apr. 17; v. 237; p. 849.
- Carton. J. H. Elder. No. 1,231,511; June 26; v. 239; p. 1173.
- Carton. C. E. Luke. No. 1,234,483; July 24; v. 240; p. 1070.
- Carton. W. W. and C. G. McClay. No. 1,235,824; Aug. 7; v. 241; p. 96.
- Carton and dispenser, Combined. E. C. Baldwin. No. 1,217,682; Feb. 27; v. 235; p. 1254.
- Carton, Dispensing-. W. T. Lazar. No. 1,228,571; June 5; v. 239; p. 67.
- Carton-filling machine. G. Bills. No. 1,226,448; May 15; v. 238; p. 895.
- Carton-handling machine. T. E. Knowlton, P. H. Mac-Quodale, J. H. Wyckoff, C. H. Russell, and J. N. Tooker. No. 1,220,643; Mar. 27; v. 236; p. 1065.
- Carton-opening device. M. J. Milmo. No. 1,218,683; Mar. 13; v. 236; p. 312.
- Carton-opening machine. E. A. Schroeder and J. N. Tooker. No. 1,220,566; Mar. 27; v. 236; p. 1040.
- Carton-upsetting device. C. Beckmann. No. 1,219,427; Mar. 20; v. 236; p. 602.
- Cartridge. C. A. Bush. No. 1,243,253; Oct. 16; v. 243; p. 639.
- Cartridge. A. Ellis. No. 1,220,208; Mar. 27; v. 236; p. 912.
- Cartridge. S. Rogozea. No. 1,246,660; Nov. 13; v. 244; p. 485.
- Cartridge-belt. E. C. De Bolt. No. 1,234,298; July 24; v. 240; p. 1009.
- Cartridge-belt. W. C. Fisher. No. 1,217,736; Feb. 27; v. 235; p. 1272.
- Cartridge-belt. F. G. Himelspanch. No. 1,227,266; May 22; v. 238; p. 1209.
- Cartridge - belt - loading machine. P. Wester. No. 1,211,800; Jan. 9; v. 234; p. 521.
- Cartridge, Blasting-. W. Weber. No. 1,226,833; May 22; v. 238; p. 1061.
- Cartridge-carrier. F. S. Carr. No. 1,214,895; Feb. 6; v. 235; p. 143.
- Cartridge-carrier. J. C. Chappell. No. 1,241,922; Oct. 2; v. 243; p. 146.
- Cartridge-case for artillery-shells. H. E. Lindquist. No. 1,233,071; July 10; v. 240; p. 540.
- Cartridge-cases, Manufacture of. A. W. Morris. No. 1,239,809; Sept. 11; v. 242; p. 377.
- Cartridge-holder. P. H. Logan. No. 1,217,966; Mar. 6; v. 236; p. 27.
- Cartridge, Hydraulic. D. V. Sickman. No. 1,243,991; Oct. 23; v. 243; p. 898.
- Cartridge-loading machine. C. E. Jack. No. 1,229,467; June 12; v. 239; p. 417.
- Cartridge, Long-range shotgun-. L. P. Gerhardt. No. 1,243,155; Oct. 16; v. 243; p. 609.
- Cartridge-magazine. L. W. Hilgendorf. No. 1,227,439; May 22; v. 238; p. 1263.
- Cartridge of reaction type, Telescoping-piston hydraulic. D. V. Sickman. No. 1,225,062; May 8; v. 238; p. 383.
- Cartridge, Refillable fuse-. J. T. Dugger. No. 1,243,719; Oct. 23; v. 243; p. 814.
- Cartridge, Rifle-cleaning. L. C. Williams. No. 1,231,227; June 26; v. 239; p. 1080.
- Cartridges, Feeding device for machines for loading. A. von Henriquez. No. 1,242,086; Oct. 2; v. 243; p. 196.
- Cartridges for use in machine-guns, Box for containing belts of. W. I. Davies. No. 1,213,755; Jan. 23; v. 234; p. 1266.
- Cartridges, Primer-retainer for dynamite-. H. Comstock. No. 1,223,035; Apr. 17; v. 237; p. 783.
- Cartridges, Primer-retainer for dynamite-. H. Comstock. No. 1,230,121; June 19; v. 239; p. 671.
- Carving-fork. L. A. Waymire. No. 1,220,479; Mar. 27; v. 236; p. 1040.
- Carving machine, Wood-. J. Galbraith. No. 1,229,059; June 5; v. 239; p. 229.
- Case; *See*—Continued.
- Display-case.
- Distributing-case.
- Ecclesiastical ritual-case.
- Egg-case.
- Egg-shipping case.
- Engine crank-case.
- Eyeglass-case.
- Filing-case.
- Filing-appliance case.
- Film-case.
- Gear-case.
- Honey sample-case.
- Hypodermic - instrument case.
- Involute case.
- Jewel-case.
- Jewelry-case.
- Latch-case.
- Luncheon and carrying case.
- Mail-carrier's case.
- Map-case.
- Match-case.
- Match-pad case.
- Museum or show case.
- Music-case.
- Musical-instrument case.
- Packing-case.
- Photograph-case.
- Pipe-shipping case.
- Receiver-case.
- Refrigerator show-case.
- Sheet-metal case.
- Shipping-case.
- Shipping and display case.
- Show-case.
- Suitcase.
- Syringe-case.
- Telephone-case.
- Thermometer-case.
- Ticket-case.
- Toilet-case.
- Type-case.
- Type-writer desk-case.
- Vanity-case.
- Watchcase.
- Case-clamp. L. W. Nace, G. W. Alexander, and M. H. Brown. No. 1,227,296; May 22; v. 238; p. 1218.
- Case for currency and other notes. J. Fenigstein. No. 1,223,946; Apr. 24; v. 237; p. 1132.
- Case for spectacles, eyeglasses, and other articles. L. Laurence. No. 1,245,933; Nov. 6; v. 244; p. 238.
- Case-hardening material and making same. A. O. Blaich. No. 1,241,909; Oct. 2; v. 243; p. 141.
- Case-hardening material, Making. A. O. Blaich. No. 1,248,604; Dec. 4; v. 245; p. 53.
- Casement-adjuster. U. G. McQueen. No. 1,211,733; Jan. 9; v. 234; p. 497.
- Casement-lift and hinge. U. G. McQueen. No. 1,223,062; Apr. 17; v. 237; p. 792.
- Casing-feeder. B. Miller. No. 1,222,318; Apr. 10; v. 237; p. 492.
- Casing-head and spider, Combination. W. B. Wigle. No. 1,217,853; Feb. 27; v. 235; p. 1311.
- Casing, salting, and skinning machine or the like. B. Marland. No. 1,248,521; Dec. 4; v. 245; p. 27.
- Casing-shoe. G. Nymanning. No. 1,223,098; Apr. 17; v. 237; p. 805.
- Casing-shoe. F. Tuttle and L. T. Hall. No. 1,246,360; Nov. 13; v. 244; p. 395.
- Casing-spear. W. Wagner. No. 1,243,904; Oct. 23; v. 243; p. 873.
- Casein and albumin from creamery-sewage, Separation of. G. Ebrill and T. Kiersey. No. 1,229,919; June 12; v. 239; p. 568.
- Cash-receipt and the like register. H. Buchanan. No. 1,221,670; Apr. 3; v. 237; p. 231.
- Cash-register. T. Carroll and J. P. Frank. No. 1,230,862; June 26; v. 239; p. 956.
- Cash-register. W. A. Chryst. No. 1,230,864; June 26; v. 239; p. 956.
- Cash-register. F. L. Fuller. No. 1,242,170; Oct. 9; v. 243; p. 264.
- Cash-register. H. A. Martin. No. 1,226,682; May 22; v. 238; p. 1009.
- Cash-register. H. A. Martin. No. 1,233,492; July 17; v. 240; p. 713.
- Cash-register. H. A. Martin. No. 1,240,234; Sept. 18; v. 242; p. 647.
- Cash-register. H. A. Martin. No. 1,244,063; Oct. 23; v. 243; p. 920.
- Cash-register. B. A. Neumann. No. 1,247,709; Nov. 27; v. 244; p. 857.
- Cash-register. R. Rummier. No. 1,230,928; June 26; v. 239; p. 977.
- Cash-register. F. Skerl. No. 1,243,992; Oct. 23; v. 243; p. 899.
- Cash-register. W. Sumner. No. 1,246,178; Nov. 13; v. 244; p. 339.
- Cash-register. E. J. Von Pein. No. 1,234,238; July 24; v. 240; p. 990.
- Cash-register. E. J. Von Pein. No. 1,244,005; Oct. 23; v. 243; p. 903.
- Cash-register-locking mechanism. H. A. Martin. No. 1,215,567; Feb. 13; v. 235; p. 416.
- Cash-register, Multiple-counter. H. A. Martin. No. 1,232,705; July 10; v. 240; p. 420.
- Cash-register, Multiple-total-printing. H. A. Martin. No. 1,214,568; Feb. 6; v. 235; p. 29.
- Cash-register, Train. A. B. Johnston. No. 1,230,171; June 19; v. 239; p. 688.
- Cash-registers, Auxiliary indicating device for. O. E. Groshell. No. 1,217,753; Feb. 27; v. 235; p. 1278.
- Cash-registers, Indicating mechanism for. E. J. Von Pein. No. 1,242,281; Oct. 9; v. 243; p. 298.
- Cash-registers, Keyboard mechanism for. E. J. Von Pein. No. 1,242,280; Oct. 9; v. 243; p. 297.
- Cash - registers, Money - paying attachment for. S. J. Bachardy and J. Kiss. No. 1,223,354; Apr. 24; v. 237; p. 924.
- Cash - registers, Supporting - pedestal for. P. De Chime. No. 1,222,739; Apr. 17; v. 237; p. 682.
- Cash-registers, Totalizing mechanism for. R. Field. No. 1,250,444; Dec. 18; v. 245; p. 656.
- Automobile tool-case.
- Battery-case.
- Bottle-case.
- Bookcase.
- Broom-case.
- Card-case.
- Card and letter case.
- Cartridge-case.
- Cell-case.
- Chart-case.
- Cigar-case.
- Cigar and cigarette case.
- Cigar and match case.
- Cigar-lighting case.
- Cigarette-case.
- Cigarette or the like case.
- Collapsible case.
- Delivery-case.

Alphabetical list of inventions—Continued.

- Cashier, Mechanical. W. S. Overlin. No. 1,218,455; Mar. 6; v. 236; p. 196.
- Cashier's registering-machine. F. M. Carroll. No. 1,230,861; June 26; v. 239; p. 955.
- Casket. P. Bahr. No. 1,220,487; Mar. 27; v. 236; p. 1012.
- Casket. W. C. Watkins. No. 1,226,038; May 15; v. 238; p. 756.
- Casket, Burial-. J. L. Frysinger. No. 1,244,315; Oct. 23; v. 243; p. 996.
- Casket, Burial-. E. W. Hartman. No. 1,234,470; July 24; v. 240; p. 1066.
- Casket, Burial-. S. O. Loyd. No. 1,219,751; Mar. 20; v. 236; p. 714.
- Casket, Burial-. I. Schmidt. No. 1,218,323; Mar. 6; v. 236; p. 152.
- Casket, Burial-. W. G. Thompson. No. 1,238,219; Aug. 28; v. 241; p. 961.
- Casket construction. J. Kersten. No. 1,234,180; July 24; v. 240; p. 971.
- Casket, Glass. J. W. De Camp. No. 1,211,684; Jan. 9; v. 234; p. 480.
- Casket-handle. J. E. Brooks. No. 1,211,668; Jan. 9; v. 234; p. 475.
- Casket-handle. A. J. Marshall. No. 1,213,671; Jan. 23; v. 234; p. 1239.
- Casket-handle. A. A. Page. No. 1,229,650; June 12; v. 239; p. 480.
- Casket-handle. E. R. Sargent. No. 1,241,287; Sept. 25; v. 242; p. 910.
- Casket-handle. E. R. Sargent. No. 1,241,288; Sept. 25; v. 242; p. 910.
- Casket-handle, Removable. C. M. Ralston. No. 1,227,929; May 29; v. 238; p. 1460.
- Casket lid, Burial-. J. H. Wunderlich. No. 1,220,580; Mar. 27; v. 236; p. 1044.
- Casket supporting and transferring device. C. A. Albrecht. No. 1,242,410; Oct. 9; v. 243; p. 339.
- Casseroles and other hot-food containers, Carrier for. L. Wojdkow. No. 1,244,395; Oct. 23; v. 243; p. 1019.
- Cast-iron, Making. H. W. Lash. No. 1,220,349; Mar. 27; v. 236; p. 964.
- Cast-off. G. E. Prentice. No. 1,216,163; Feb. 13; v. 235; p. 630.
- Cast-off device. J. F. Daniels. No. 1,234,531; July 24; v. 240; p. 1085.
- Caster. H. Hansen. No. 1,247,827; Nov. 27; v. 244; p. 892.
- Caster. O. A. Klinsmann. No. 1,222,414; Apr. 10; v. 237; p. 527.
- Caster. E. T. Malloy. No. 1,233,093; July 10; v. 240; p. 546.
- Caster. H. Martin. No. 1,224,765; May 1; v. 238; p. 231.
- Caster. R. W. Millard. No. 1,230,502; June 19; v. 239; p. 797.
- Caster. J. Sobilo. No. 1,222,045; Apr. 10; v. 237; p. 396.
- Caster, Ball-bearing. J. L. Chesnutt. No. 1,232,655; July 10; v. 240; p. 403.
- Caster, Ball-bearing. R. Edmonds. No. 1,231,510; June 26; v. 239; p. 1172.
- Caster, Ball-bearing. R. Edmonds. No. 1,233,330; July 17; v. 240; p. 658.
- Caster, Chair. F. Arnett. No. 1,249,882; Dec. 11; v. 245; p. 453.
- Caster, Furniture-. D. O. Biddle. No. 1,214,416; Jan. 30; v. 234; p. 1524.
- Caster, Furniture-. E. Franzen. No. 1,224,294; May 1; v. 238; p. 65.
- Caster, Furniture-. A. L. Laird. No. 1,221,750; Apr. 3; v. 237; p. 259.
- Caster-holding means for furniture-legs. C. R. Uhl. No. 1,229,547; June 12; v. 239; p. 445.
- Caster raising and lowering device. J. Bodnar. No. 1,219,071; Mar. 13; v. 236; p. 450.
- Caster, Sliding. D. B. Diss. No. 1,232,901; July 10; v. 240; p. 486.
- Casters, Expansion-fastening for. J. W. Hilfrank. No. 1,223,877; Apr. 24; v. 237; p. 1109.
- Casters, Insect-trap for. F. W. Goedeke. No. 1,242,680; Oct. 9; v. 243; p. 426.
- Casters, Socket structure for. J. A. Johnson. No. 1,232,688; July 10; v. 240; p. 415.
- Casting. L. Edel. No. 1,224,618; May 1; v. 238; p. 179.
- Casting. F. Engel. No. 1,235,778; Aug. 7; v. 241; p. 81.
- Casting and making the same, Forged. A. W. Morris. No. 1,222,786; Apr. 17; v. 237; p. 693.
- Casting apparatus. H. H. Doehler. No. 1,249,919; Dec. 11; v. 245; p. 464.
- Casting apparatus. E. C. Washburn. No. 1,235,744; Aug. 7; v. 241; p. 69.
- Casting bodies formed of cement or the like, Apparatus for. J. C. Pelton. No. 1,227,824; May 29; v. 238; p. 1425.
- Casting boxes, Means for automatically circulating cooling-water in plate-. H. F. Beehman. No. 1,250,772; Dec. 18; v. 245; p. 753.
- Casting brass bars, Mold for. J. E. Somers. No. 1,219,180; Mar. 13; v. 236; p. 486.
- Casting device. W. E. Pate. No. 1,212,997; Jan. 16; v. 234; p. 973.
- Casting device for gold-inlay work and the like, Vacuum. F. B. Davis. No. 1,219,710; Mar. 20; v. 236; p. 700.
- Casting, Draw-bar-pin. H. F. Ball. No. 1,223,553; Apr. 24; v. 237; p. 995.
- Casting fluid metals. H. H. Doehler. No. 1,224,906; May 8; v. 238; p. 330.
- Casting fluid metals, Art of and apparatus for. H. H. Doehler. No. 1,214,904; Feb. 6; v. 235; p. 147.
- Casting hollow balls. G. R. Kettle. No. 1,247,545; Nov. 20; v. 244; p. 775.
- Casting-machine. H. Alinder. No. 1,230,360; June 19; v. 239; p. 751.
- Casting-machine. J. S. Bancroft and M. C. Indahl. No. 1,220,057; Mar. 20; v. 236; p. 822.
- Casting-machine. W. Dietrich. (Reissue.) No. 1,437,11; Oct. 2; v. 243; p. 207.
- Casting-machine. F. Engel. No. 1,235,779; Aug. 7; v. 241; p. 82.
- Casting-machine. C. H. Lister. No. 1,230,587; June 19; v. 239; p. 827.
- Casting-machine. A. W. Morris. No. 1,239,806; Sept. 11; v. 242; p. 375.
- Casting-machine, Centrifugal. D. S. De Lavaud. No. 1,240,546; Sept. 18; v. 242; p. 643.
- Casting-machine, Centrifugal. W. H. Millsbaugh. No. 1,235,994; Aug. 7; v. 241; p. 152.
- Casting-machine for elements of printing-forms. J. S. Bancroft and M. C. Indahl. No. 1,220,059; Mar. 20; v. 236; p. 823.
- Casting-machine melting-pots, Means for raising and lowering. J. S. Bancroft and M. C. Indahl. No. 1,220,056; Mar. 20; v. 236; p. 821.
- Casting machine, Metal-. J. E. Laferriere. No. 1,245,598; Nov. 6; v. 244; p. 139.
- Casting-machine mold. C. H. Lister. No. 1,240,229; Sept. 18; v. 242; p. 545.
- Casting machines, Ladle for die-. J. K. Stewart. No. 1,219,359; Mar. 13; v. 236; p. 547.
- Casting metals in vacuum, Compound apparatus for. E. Ferrari. No. 1,218,991; Mar. 13; v. 236; p. 423.
- Casting metals under an explosive-like pressure into molds, Process and device for. H. Talla. No. 1,217,662; Feb. 27; v. 235; p. 1248.
- Casting-mold. P. J. Conlon. No. 1,228,182; May 29; v. 238; p. 1544.
- Casting-mold. A. P. Scott. No. 1,226,133; May 15; v. 238; p. 785.
- Casting, Molten-metal feed for die-. J. K. Stewart. No. 1,219,358; Mar. 13; v. 236; p. 547.
- Casting or molding device. E. G. Cook. No. 1,250,803; Dec. 18; v. 245; p. 763.
- Casting-pot. G. Mellen. No. 1,216,341; Feb. 20; v. 235; p. 744.
- Casting rolls and the like. H. A. Lomax. No. 1,242,827; Oct. 9; v. 243; p. 472.
- Casting-table. W. J. Golightly. No. 1,248,478; Dec. 4; v. 245; p. 14.
- Castings, buttons, and other articles, Cleaner for tumblers for metal-. M. A. Dunn. No. 1,211,111; Jan. 2; v. 234; p. 252.
- Castings, Elimination of wasteful discarding or throwing aside of defective metal. L. Lorentowicz. No. 1,246,444; Nov. 13; v. 244; p. 420.
- Castings, Expandable pattern for tubular. J. B. Walker. No. 1,242,747; Oct. 9; v. 243; p. 447.
- Castings, Hardening. J. W. Gebhard. No. 1,239,586; Sept. 11; v. 242; p. 305.
- Castings, Making. W. A. Bole. No. 1,227,573; May 29; v. 238; p. 1338.
- Castings, Making alloy. W. M. Johnson. No. 1,243,416; Oct. 16; v. 243; p. 687.
- Castings, Making commercial. J. Kralund. No. 1,238,789; Sept. 4; v. 242; p. 21.
- Castings, Making metal. C. B. Jacobs. No. 1,249,101; Dec. 4; v. 245; p. 194.
- Castings, Making tight. R. B. Wolf. No. 1,214,630; Feb. 6; v. 235; p. 52.
- Castings, Producing fluid-conduits in. J. F. Corwin. No. 1,234,878; July 31; v. 240; p. 1226.
- Castings shaking and jolting machine. V. J. Conces, Sr. No. 1,216,212; Feb. 13; v. 235; p. 647.
- Catalyst, Making a. C. Ellis. No. 1,251,203; Dec. 25; v. 245; p. 930.
- Catalysts for hydrogenation, Manufacture of. C. Ellis. No. 1,251,201; Dec. 25; v. 245; p. 930.
- Catalytic agent. A. Mittasch, C. Schneider, and H. Morawitz. No. 1,215,396; Feb. 13; v. 235; p. 352.
- Catalytic device. J. Dewar and A. Liebmann. No. 1,222,608; Apr. 17; v. 237; p. 636.
- Catalytic hydrogenizations, Effecting. O. Schmidt and H. Blankenhorn. No. 1,237,828; Aug. 21; v. 241; p. 809.
- Catalytic material, Making. C. B. Morey and C. R. Craine. No. 1,232,830; July 10; v. 240; p. 461.
- Catalytic reactions, Effecting. O. C. Hagemann and C. Baskerville. No. 1,238,137; Aug. 28; v. 241; p. 940.
- Catalytic synthesis of organic substitution products. F. G. Keyes. No. 1,237,652; Aug. 21; v. 241; p. 754.
- Catalyzer. C. Bosch, A. Mittasch, and C. Beck. No. 1,211,394; Jan. 9; v. 234; p. 382.
- Catalyzer and preparing the same. E. C. Kayser. No. 1,236,446; Aug. 14; v. 241; p. 326.
- Catalyzer-concentrate and making same. C. Ellis. No. 1,251,202; Dec. 25; v. 245; p. 930.
- Catalyzer for hydrogenating oils and the like. M. H. Ittner. No. 1,238,774; Sept. 4; v. 242; p. 17.

- Catalyzers, Making. C. Ellis. No. 1,251,204; Dec. 25; v. 245; p. 930.
- Catalyzing agent for the reduction of fats and unsaturated fatty acids, Making a. C. Paal. No. 1,222,660; Apr. 17; v. 237; p. 655.
- Catamenial appliance. L. E. Norquist. No. 1,241,652; Oct. 2; v. 243; p. 59.
- Catamenial sack. G. B. Smith. No. 1,222,899; Apr. 17; v. 237; p. 737.
- Catapult. G. P. Van Wye. No. 1,227,222; May 22; v. 238; p. 1194.
- Catch. K. Forbes. No. 1,213,471; Jan. 23; v. 234; p. 1170.
- Catch and release, Magazine. G. Hammond. No. 1,247,528; Nov. 20; v. 244; p. 770.
- Catch-basin or sewer-inlet. J. R. Harrison. No. 1,239,102; Sept. 4; v. 242; p. 123.
- Catch, Safety-. S. A. Asquith. No. 1,222,515; Apr. 10; v. 237; p. 562.
- Catch, Safety-. W. G. Kendall. No. 1,228,025; May 29; v. 238; p. 1493.
- Catch, Safety-. J. C. Wacha. No. 1,228,994; June 5; v. 239; p. 209.
- Catch, Snap-. J. Chabot. No. 1,214,276; Jan. 30; v. 234; p. 1476.
- Caterpillar-wheel. A. E. Miller. No. 1,228,687; June 5; v. 239; p. 106.
- Cathode device, Incandescent. G. S. Meikle. No. 1,230,004; June 12; v. 239; p. 594.
- Cathode-ray device. W. D. Coolidge. No. 1,211,091; Jan. 2; v. 234; p. 245.
- Cathode-ray tube. H. E. R. Rukop and W. K. M. Schloemilch. No. 1,210,540; Jan. 2; v. 234; p. 56.
- Cattle-aligning device. A. W. Knutson. No. 1,214,176; Jan. 30; v. 234; p. 1440.
- Cattle-aligning device. A. W. Knutson. No. 1,214,178; Jan. 30; v. 234; p. 1441.
- Cattle-guard. S. W. Burchard. No. 1,221,286; Apr. 3; v. 237; p. 101.
- Cattle-guard. W. A. Inman. No. 1,210,806; Jan. 2; v. 234; p. 147.
- Cattle-guard. A. Jochum. No. 1,216,814; Feb. 20; v. 235; p. 908.
- Cattle-guard. C. Skinner. (Reissue.) No. 1,247, Jan. 9; v. 234; p. 652.
- Cattle-guard. E. J. Sortland. No. 1,217,651; Feb. 27; v. 235; p. 1245.
- Cattle-guard and signal. H. F. McLey. No. 1,249,796; Dec. 11; v. 245; p. 427.
- Cattle-guard, Rolling. T. M. Belto. No. 1,250,948; Dec. 25; v. 245; p. 857.
- Cattle-killing device. A. Larson. No. 1,214,929; Feb. 6; v. 235; p. 156.
- Cattle loading and unloading device. T. F. Doyle. No. 1,235,125; July 31; v. 240; p. 1303.
- Cattle ringer and leader. P. Deutschman. No. 1,236,276; Aug. 7; v. 241; p. 240.
- Caustic soda, Making. H. B. Kipper. No. 1,227,453; May 22; v. 238; p. 1268.
- Cauterizer, Electric. L. G. Rink. No. 1,234,570; July 24; v. 240; p. 1098.
- Ceiling. T. H. Kane. No. 1,217,952; Mar. 6; v. 236; p. 23.
- Ceiling and floor plate. A. C. Gaynor. No. 1,229,061; June 5; v. 239; p. 230.
- Ceiling-plate. J. R. Donnelly. No. 1,230,385; June 19; v. 239; p. 758.
- Ceiling-plate. A. L. Sessions. No. 1,212,824; Jan. 16; v. 234; p. 912.
- Ceiling-plate. A. L. Sessions. No. 1,216,737; Feb. 20; v. 235; p. 882.
- Ceiling-support. A. J. Widmer. No. 1,243,367; Oct. 16; v. 243; p. 673.
- Ceiling support, Plaster-. A. J. Widmer. No. 1,251,151; Dec. 25; v. 245; p. 916.
- Ceiling-tie. A. J. Widmer. No. 1,251,150; Dec. 25; v. 245; p. 915.
- Ceilings, Device for stretching suspended fabric. F. E. McComb. No. 1,219,828; Mar. 20; v. 236; p. 742.
- Ceilings, Metal insert for concrete. A. J. Widmer. No. 1,245,414; Nov. 6; v. 244; p. 81.
- Cell-case. J. H. Carter. No. 1,250,090; Dec. 11; v. 245; p. 511.
- Cells, Apparatus for lining dry. L. E. Williams. No. 1,210,577; Jan. 2; v. 234; p. 69.
- Cellar-door. Z. Haberman. No. 1,226,509; May 15; v. 238; p. 915.
- Cellar-door, Counterbalanced. F. S. Smallwood. No. 1,218,328; Mar. 6; v. 236; p. 154.
- Celluloid article, Making a. J. Wilcox. No. 1,244,676; Oct. 30; v. 243; p. 1143.
- Celluloid, Impressing. F. G. Lundi and J. McMillan. No. 1,237,352; Aug. 21; v. 241; p. 657.
- Celluloid-like substance and making the same. S. Satow. No. 1,245,976; Nov. 6; v. 244; p. 250.
- Celluloid-like substance, Making. S. Satow. No. 1,245,983; Nov. 6; v. 244; p. 250.
- Celluloid substitute and making same. H. Dreyfus. No. 1,242,783; Oct. 9; v. 243; p. 459.
- Celluloid, Treating. E. Josephson. No. 1,211,588; Jan. 9; v. 234; p. 448.
- Cellulose acetates and making same. H. Dreyfus. (Reissue.) No. 14,338; July 31; v. 240; p. 1431.
- Cellulose acetates to alter the solubilities thereof and product of said process, Process of treating. H. Dreyfus. No. 1,217,722; Feb. 27; v. 235; p. 1267.
- Cellulose, Apparatus for boiling fiber for the manufacture of. H. E. Ellis. No. 1,236,370; Aug. 7; v. 241; p. 266.
- Cellulose compound and making the same. E. L. Bloch Pimentel. No. 1,234,720; July 31; v. 240; p. 1178.
- Cellulose compound and making the same, Non-inflammable. W. G. Lindsay. No. 1,245,476; Nov. 6; v. 244; p. 100.
- Cellulose derivatives, Manufacture of. J. Koetschet and M. Theumann. No. 1,216,462; Feb. 20; v. 235; p. 737.
- Cellulose, Dissolving. Z. Ostenberg. No. 1,218,954; Mar. 13; v. 236; p. 410.
- Cellulose, Manufacture of. H. E. Ellis. No. 1,236,072; Aug. 7; v. 241; p. 176.
- Cellulose, Manufacture of. C. N. Waite. No. 1,212,158; Jan. 9; v. 234; p. 647.
- Cellulose plastic compounds, Making acetyl-. W. G. Lindsay. No. 1,226,341; May 15; v. 238; p. 862.
- Cellulose plastic compounds, Making acetyl-. W. G. Lindsay. No. 1,226,342; May 15; v. 238; p. 862.
- Cellulose plastic compounds, Making acetyl-. W. G. Lindsay. No. 1,226,343; May 15; v. 238; p. 863.
- Cellulose plastics and solvents, Making acetyl-. W. G. Lindsay. No. 1,244,348; Oct. 23; v. 243; p. 1006.
- Cellulose plastics and solvents thereof, Making acetyl-. W. G. Lindsay. No. 1,244,347; Oct. 23; v. 243; p. 1005.
- Cellulose plastics, Making solvents for acetyl-. W. G. Lindsay. No. 1,244,349; Oct. 23; v. 243; p. 1006.
- Cellulose, Preparing solutions of. Z. Ostenberg. No. 1,242,030; Oct. 2; v. 243; p. 179.
- Cellulose, Preparing sulfite. C. Bache-Wiig. No. 1,240,920; Sept. 25; v. 242; p. 793.
- Cellulose, Producing flowable compounds of acetyl-. W. G. Lindsay. No. 1,244,107; Oct. 23; v. 243; p. 933.
- Cellulose, Producing flowable compounds of acetyl-. W. G. Lindsay. No. 1,244,108; Oct. 23; v. 243; p. 933.
- Cellulose, Solvent for acetyl-. W. G. Lindsay. No. 1,226,339; May 15; v. 238; p. 862.
- Cellulose, Solvent for acetyl-. W. G. Lindsay. No. 1,226,340; May 15; v. 238; p. 862.
- Cement. L. McCulloch. No. 1,241,531; Oct. 2; v. 243; p. 19.
- Cement. T. Moniwa. No. 1,233,101; July 10; v. 240; p. 549.
- Cement. H. H. Morgan. No. 1,221,571; Apr. 3; v. 237; p. 200.
- Cement. F. W. Sperr, Jr. and R. J. Montgomery. No. 1,221,618; Apr. 3; v. 237; p. 215.
- Cement and making same. J. P. A. McCoy. No. 1,236,190; Aug. 7; v. 241; p. 213.
- Cement and making same, Water and acid proof. U. Wedge. No. 1,220,575; Mar. 27; v. 236; p. 1043.
- Cement and making the same, Acid and waterproof. C. C. Meigs. No. 1,237,078; Aug. 14; v. 241; p. 532.
- Cement and other tile or pipe, Machine for the continuous manufacture of. A. W. Pupke. No. 1,211,230; Jan. 2; v. 234; p. 294.
- Cement and potash salts, Making white hydraulic. C. Ellis. No. 1,224,454; May 1; v. 238; p. 123.
- Cement and potassium compounds, Producing. C. Ellis. No. 1,250,291; Dec. 18; v. 245; p. 610.
- Cement and recovering potassium compounds, Producing. F. W. Huber and F. F. Reath. No. 1,219,315; Mar. 13; v. 236; p. 533.
- Cement and similar products, Apparatus for the manufacturing of Portland. W. H. Mason. No. 1,210,510; Jan. 2; v. 234; p. 46.
- Cement, Apparatus for cooling clinker in the manufacture of. G. M. Park. No. 1,240,480; Sept. 18; v. 242; p. 623.
- Cement-applying machine. W. F. Lautenschlager. No. 1,223,402; Apr. 24; v. 237; p. 939.
- Cement-applying machine. W. F. Lautenschlager. No. 1,223,403; Apr. 24; v. 237; p. 940.
- Cement-applying machine. W. F. Lautenschlager. No. 1,225,828; May 15; v. 238; p. 685.
- Cement-block mold. J. F. Crowley, Jr. No. 1,250,097; Dec. 11; v. 245; p. 513.
- Cement-block mold. E. J. Dunn. No. 1,217,860; Feb. 27; v. 235; p. 1313.
- Cement-block mold. S. F. Wazbinski. No. 1,249,867; Dec. 11; v. 245; p. 448.
- Cement-block mold. F. Zagelmeyer. No. 1,218,737; Mar. 13; v. 236; p. 333.
- Cement-block molds, Reinforced core for. F. Zagelmeyer. No. 1,244,937; Oct. 30; v. 243; p. 1223.
- Cement-brick machine. F. Hart. No. 1,211,842; Jan. 9; v. 234; p. 537.
- Cement-burning apparatus. L. P. Basset. No. 1,233,166; July 10; v. 240; p. 571.
- Cement-can. A. G. Legge. No. 1,215,667; Feb. 13; v. 235; p. 453.
- Cement composition and making the same. T. Hardman and F. L. Northup. No. 1,244,326; Oct. 23; v. 243; p. 1000.
- Cement-divider. H. Ott. No. 1,242,032; Oct. 2; v. 243; p. 179.
- Cement-finishing tool. R. R. Lamb. No. 1,239,608; Sept. 11; v. 242; p. 312.
- Cement for stonework. J. J. Domke. No. 1,234,306; July 24; v. 240; p. 1012.

Alphabetical list of inventions—Continued.

- Cement-gun apparatus. J. F. Johnson. No. 1,223,586; Apr. 24; v. 237; p. 1005.
- Cement-holder. K. G. Hadjoeff. No. 1,244,600; Oct. 30; v. 243; p. 1120.
- Cement, Magnesium. W. G. F. Siegmann. No. 1,212,575; Jan. 16; v. 234; p. 824.
- Cement, &c., Manufacture of. L. P. Basset. No. 1,244,280; Oct. 23; v. 243; p. 986.
- Cement, Manufacture of. J. F. Goddard. No. 1,214,910; Feb. 6; v. 235; p. 150.
- Cement, Manufacture of. A. Helbronner. No. 1,239,912; Sept. 11; v. 242; p. 410.
- Cement, Manufacture of acid and waterproof. C. C. Meigs. No. 1,245,608; Nov. 6; v. 244; p. 142.
- Cement-mixer-driving means. E. F. and H. Wege. No. 1,212,593; Jan. 16; v. 234; p. 830.
- Cement mortar, Mixing. M. T. Hochstrasser. No. 1,225,129; May 8; v. 238; p. 406.
- Cement structure. H. A. Gardner. No. 1,230,475; June 19; v. 239; p. 789.
- Cement, Waterproof. C. B. Allen. No. 1,231,468; June 26; v. 239; p. 1160.
- Cement, White. W. C. Ewing. No. 1,239,579; Sept. 11; v. 242; p. 303.
- Cement-work guard. S. H. Dolbear. No. 1,238,992; Sept. 4; v. 242; p. 88.
- Cementation and hardening of metallic objects. H. Nettgens. No. 1,247,863; Nov. 27; v. 244; p. 902.
- Cementation compound. J. M. Allen and J. C. Christen. No. 1,226,739; May 22; v. 238; p. 1028.
- Cementation process. F. A. Kaufmann. No. 1,235,901; Aug. 7; v. 241; p. 122.
- Cementing-machine. J. W. Cosgrove. No. 1,242,925; Oct. 16; v. 243; p. 538.
- Cementing-machine. I. L. Keith. No. 1,242,561; Oct. 9; v. 243; p. 388.
- Cementing of case-hardening material. R. B. Corey. No. 1,211,093; Jan. 2; v. 234; p. 246.
- Cementing the margins of flexible material. W. F. Lautenschlager. No. 1,223,404; Apr. 24; v. 237; p. 940.
- Cementitious bodies, Process and apparatus for molding and facing. D. Metrustry. No. 1,211,953; Jan. 9; v. 234; p. 579.
- Cementitious material and making the same. Calcareous. W. E. Carson. No. 1,248,455; Dec. 4; v. 245; p. 8.
- Cementitious partitions and supports therefor, Building. E. Flagg. No. 1,238,658; Aug. 28; v. 241; p. 1109.
- Centering and facing tool, Combined. F. M. Budlong. No. 1,244,953; Oct. 30; v. 243; p. 1227.
- Centering-gage. V. T. Wycislo. No. 1,249,584; Dec. 11; v. 245; p. 364.
- Centering-tool for circular objects. J. E. Murray. No. 1,230,015; June 12; v. 239; p. 598.
- Centers, Instrument for comparing relative positions of. N. A. Locke. No. 1,232,701; July 10; v. 240; p. 419.
- Centrifugal brake for harness-hangers. L. M. Lymburner. No. 1,223,815; Apr. 24; v. 237; p. 1088.
- Centrifugal brake for reproducing mechanisms. H. A. Myers. No. 1,224,091; Apr. 24; v. 237; p. 1180.
- Centrifugal compressors or pumps, Apparatus for operating the blow-off valves of. H. Guyer. No. 1,241,372; Sept. 25; v. 242; p. 934.
- Centrifugal drier. G. H. Elmore. No. 1,235,193; July 31; v. 240; p. 1323.
- Centrifugal drier. K. and A. Ward. No. 1,213,983; Jan. 30; v. 234; p. 1374.
- Centrifugal extractor. F. Balzer. No. 1,224,888; May 8; v. 238; p. 324.
- Centrifugal extractor. W. Bartholomew. No. 1,224,890; May 8; v. 238; p. 325.
- Centrifugal extractor, Electrically-controlled. F. Balzer. No. 1,236,529; Aug. 14; v. 241; p. 353.
- Centrifugal extractors, Safety device for. W. Bartholomew. No. 1,214,986; Feb. 6; v. 235; p. 178.
- Centrifugal extractors, Safety device for. W. Bartholomew and J. F. Broderick. No. 1,214,987; Feb. 6; v. 235; p. 179.
- Centrifugal extractors, Safety-guard for. W. Bartholomew, J. F. Broderick, and F. Balzer. No. 1,214,988; Feb. 6; v. 235; p. 179.
- Centrifugal extractors, Safety mechanism for. W. Bartholomew. No. 1,238,085; Aug. 28; v. 241; p. 922.
- Centrifugal machine. T. E. Brown. No. 1,215,337; Feb. 13; v. 235; p. 332.
- Centrifugal machine. E. R. Curtis. No. 1,248,821; Dec. 4; v. 245; p. 118.
- Centrifugal machines, Means for mounting and driving. M. H. Barker and C. A. Adams. No. 1,232,754; July 10; v. 240; p. 438.
- Centrifugal machines, Means for mounting and driving. E. W. Phillips. No. 1,242,857; Oct. 9; v. 243; p. 482.
- Centrifugal self-balancing separator or clarifier. H. A. Riggs. No. 1,242,866; Oct. 9; v. 243; p. 485.
- Centrifugal separator. J. H. Bair. No. 1,246,035; Nov. 13; v. 244; p. 297.
- Centrifugal separator. E. H. French. No. 1,212,473; Jan. 16; v. 234; p. 787.
- Centrifugal separator. T. H. Parker. (Reissue.) No. 14,331; July 24; v. 240; p. 1140.
- Centrifugal separator. M. R. Spelman. No. 1,212,831; Jan. 16; v. 234; p. 914.
- Centrifugal separator. D. B. Weston. No. 1,247,472; Nov. 20; v. 244; p. 754.
- Centrifugal separator. D. B. Weston. No. 1,247,473; Nov. 20; v. 244; p. 755.
- Centrifugal separator and amalgamator. H. R. Zimmer. No. 1,220,051; Mar. 20; v. 236; p. 819.
- Centrifugal switch. A. H. Gakken. No. 1,224,126; May 1; v. 238; p. 3.
- Centrifugal switch. C. L. Kennedy. No. 1,222,633; Apr. 17; v. 237; p. 646.
- Centrifugal switch. H. M. Scheibe. No. 1,214,081; Jan. 30; v. 234; p. 1410.
- Centrifugal table. H. Adams. No. 1,221,951; Apr. 10; v. 237; p. 364.
- Cephaelin allyl ether and making same. J. W. Meader. No. 1,219,575; Mar. 20; v. 236; p. 654.
- Cephaelin amyl ethers and producing same. J. W. Meader. No. 1,219,574; Mar. 20; v. 236; p. 654.
- Cephaelin butyl ether and producing the same. J. W. Meader. No. 1,219,571; Mar. 20; v. 236; p. 654.
- Cephaelin ethyl ether. J. W. Meader. No. 1,219,572; Mar. 20; v. 236; p. 654.
- Cephaelin propyl ether. J. W. Meader. No. 1,219,573; Mar. 20; v. 236; p. 654.
- Cephalic band. J. H. Brady. No. 1,250,273; Dec. 18; v. 245; p. 606.
- Ceramic articles for handling, Preparing. J. A. Jeffery. No. 1,240,575; Sept. 18; v. 242; p. 651.
- Ceramic kiln. A. L. Stevens. No. 1,223,440; Apr. 24; v. 237; p. 953.
- Ceramic material, Apparatus for use in manufacturing articles of. J. A. and B. A. Jeffery. No. 1,223,792; Apr. 24; v. 237; p. 1080.
- Ceramic material, Device for handling articles of. J. A. Jeffery. No. 1,248,334; Nov. 27; v. 244; p. 1034.
- Ceramic wares, Making glazed. C. Stegmayer. No. 1,245,285; Nov. 6; v. 244; p. 43.
- Cereal and making the same, Minute. H. M. Hull. No. 1,233,238; July 10; v. 240; p. 593.
- Cereal, cereal products, and the like, Means for preserving prepared. P. S. Moyer. No. 1,222,656; Apr. 17; v. 237; p. 654.
- Cereal grains, Puffing. A. J. Rhoades. No. 1,227,002; May 22; v. 238; p. 1121.
- Cereal-machine. D. C. Parks. No. 1,213,245; Jan. 23; v. 234; p. 1091.
- Cereal pastes, Drying-room for. N. D'Agostino. No. 1,244,429; Oct. 23; v. 243; p. 1029.
- Cereals and cereal products, Treating. E. E. Werner. No. 1,222,830; Apr. 17; v. 237; p. 713.
- Chain. E. F. Clark. No. 1,214,135; Jan. 30; v. 234; p. 1427.
- Chain. M. Cokus. No. 1,214,427; Jan. 30; v. 234; p. 1527.
- Chain. W. T. James. No. 1,235,321; July 31; v. 240; p. 1362.
- Chain. A. B. Taylor. No. 1,239,232; Sept. 4; v. 242; p. 164.
- Chain. A. Vanderveld. No. 1,238,847; Sept. 4; v. 242; p. 41.
- Chain. H. Wachenheimer and E. L. Davis. No. 1,219,683; Mar. 20; v. 236; p. 691.
- Chain. L. Wirtz. No. 1,223,652; Apr. 24; v. 237; p. 1029.
- Chain. L. Wirtz. No. 1,233,534; July 17; v. 240; p. 727.
- Chain appliance, Skid-. C. L. Royer and J. W. Murphy. No. 1,248,724; Dec. 4; v. 245; p. 88.
- Chain attaching and adjusting device. W. S. Waltz. No. 1,243,469; Oct. 16; v. 243; p. 702.
- Chain-catch. A. C. Dunkleberger. No. 1,242,159; Oct. 9; v. 243; p. 260.
- Chain, Concealed-wire. F. S. Alden. No. 1,233,538; July 17; v. 240; p. 728.
- Chain-connector. J. B. Bergeron. No. 1,237,605; Aug. 21; v. 241; p. 738.
- Chain-connector. C. A. Goozey. No. 1,246,911; Nov. 20; v. 244; p. 595.
- Chain connector, Tread-. J. R. Jannelle. No. 1,232,554; July 10; v. 240; p. 371.
- Chain, Conveyor-. A. M. Sorber. No. 1,221,617; Apr. 3; v. 237; p. 215.
- Chain, Drive-. J. J. Bucher. No. 1,218,368; Mar. 6; v. 236; p. 168.
- Chain, Drive-. H. E. Hayward. No. 1,223,972; Apr. 24; v. 237; p. 1141.
- Chain, Drive-. F. Mesinger. No. 1,236,964; Aug. 14; v. 241; p. 496.
- Chain-drive motor. J. B. Allfree. No. 1,222,588; Apr. 17; v. 237; p. 629.
- Chain fabric. F. Döppenschmitt. No. 1,246,893; Nov. 20; v. 244; p. 590.
- Chain fabric for bed-springs. G. B. Smith. No. 1,247,024; Nov. 20; v. 244; p. 627.
- Chain fastener, Grip-. C. W. Hodges. No. 1,220,847; Mar. 27; v. 236; p. 1136.
- Chain, Friendship-. J. H. Henkes. No. 1,246,598; Nov. 13; v. 244; p. 467.
- Chain-guide for pull-sockets. D. D. Gordon. No. 1,233,339; July 17; v. 240; p. 660.
- Chain-link. J. M. Dodge. No. 1,235,448; July 31; v. 240; p. 1398.
- Chain-link. A. N. Edeburn. No. 1,211,421; Jan. 9; v. 234; p. 392.
- Chain-link connector. W. H. McLaughlin. (Reissue.) No. 14,361; Sept. 18; v. 242; p. 725.

- Chain-link-forming mechanism, Wire-. A. Berg. No. 1,244,448; Oct. 23; v. 243; p. 1035.
- Chain-link, Self-locking. E. E. Fleming. No. 1,246,900; Nov. 20; v. 244; p. 592.
- Chain-links, Detachable connection for. L. Steinberger. No. 1,212,707; Jan. 16; v. 234; p. 873.
- Chain-links, Making. F. G. Breul. No. 1,219,431; Mar. 20; v. 236; p. 604.
- Chain-lock. E. J. C. Timmerman. No. 1,239,745; Sept. 11; v. 242; p. 356.
- Chain lock and tightener. J. B. Wolf and R. F. Parks. No. 1,246,692; Nov. 13; v. 244; p. 494.
- Chain-lug. J. P. Wilson. No. 1,226,156; May 15; v. 238; p. 796.
- Chain, Mining-machine. F. L. Sessions. No. 1,244,785; Oct. 30; v. 243; p. 1176.
- Chain, Non-skid. F. E. Messler. No. 1,239,711; Sept. 11; v. 242; p. 346.
- Chain or belt, Transmission. J. Lynn. No. 1,243,537; Oct. 16; v. 243; p. 724.
- Chain or flexible saw. W. C. Farrer. No. 1,229,597; June 12; v. 239; p. 462.
- Chain, Pot-. G. J. Litot. No. 1,246,959; Nov. 20; v. 244; p. 608.
- Chain-reel. D. D. Dawley. No. 1,225,933; May 15; v. 238; p. 720.
- Chain socket, Three-way pull-. J. F. McCarthy. No. 1,238,540; Aug. 28; v. 241; p. 1073.
- Chain-stretching machine. F. H. Howard. No. 1,249,628; Dec. 11; v. 245; p. 377.
- Chain, Tenter-. W. P. Anthony. No. 1,242,121; Oct. 9; v. 243; p. 248.
- Chain terminal, Breast-. G. W. Troop. No. 1,219,199; Mar. 13; v. 236; p. 493.
- Chain-tightener. W. S. Foster. No. 1,238,905; Sept. 4; v. 242; p. 60.
- Chain-tightener, Adjustable. C. H. Christy and S. K. Hunger. No. 1,243,711; Oct. 23; v. 243; p. 810.
- Chains, Apparatus for molding lignite. E. W. Clarke. No. 1,228,534; June 5; v. 239; p. 55.
- Chains, Automatic take-up for drive-. H. S. Pierce. No. 1,232,391; July 3; v. 240; p. 284.
- Chains, &c., Coupling for. J. F. Kuhn. No. 1,222,217; Apr. 10; v. 237; p. 457.
- Chains, Locking mechanism for. A. J. Heinsius. No. 1,241,477; Sept. 25; v. 242; p. 965.
- Chains, Making. J. F. Craven. No. 1,242,324; Oct. 9; v. 243; p. 812.
- Chains, Making. J. F. Craven. No. 1,242,325; Oct. 9; v. 243; p. 812.
- Chains or the like, Connector for. J. F. Saint Clair. No. 1,229,146; June 5; v. 239; p. 259.
- Chair: See—
- Adjustable chair. Invalid-chair.
- Auditorium-chair. Invalid's chair.
- Barber's chair. Joint-chair.
- Bath-chair. Metal chair.
- Bed-chair. Opera-chair.
- Bed-room chair. Rail-chair.
- Chiropody-chair. Rail-joint chair.
- Coin-controlled chair. Reclining-chair.
- Collapsible chair. Revolving chair.
- Collapsible and convertible chair. Rocking-chair.
- Combination-chair. School-chair.
- Comfort-chair. Sewing-chair.
- Convertible chair. Shoe-shining chair.
- Dental chair. Theater-chair.
- Desk-chair. Tilting-chair.
- Easy-chair. Wheeled chair.
- Folding chair. Wicker chair.
- High chair. Window-cleaner's safety-chair.
- Chair, R. T. Basher. No. 1,233,542; July 17; v. 240; p. 729.
- Chair, S. Battaglia. No. 1,211,909; Jan. 9; v. 234; p. 552.
- Chair, P. P. Callaghan. No. 1,212,453; Jan. 16; v. 234; p. 780.
- Chair, G. F. Cluff, Jr. No. 1,231,129; June 26; v. 239; p. 1048.
- Chair, W. G. Hall. No. 1,243,402; Oct. 16; v. 243; p. 682.
- Chair, J. E. Hanger. No. 1,228,771; June 5; v. 239; p. 136.
- Chair, E. W. Hedberg. No. 1,228,434; June 5; v. 239; p. 20.
- Chair, W. P. Loeblein. No. 1,239,279; Sept. 4; v. 242; p. 180.
- Chair, S. W. McLean and J. Roche. No. 1,247,302; Nov. 20; v. 244; p. 706.
- Chair, M. Mernyk. No. 1,219,409; Mar. 13; v. 236; p. 566.
- Chair, R. R. Pinc. No. 1,237,956; Aug. 21; v. 241; p. 848.
- Chair, F. Ricciardelli. No. 1,248,915; Dec. 4; v. 245; p. 143.
- Chair, J. Schuman. No. 1,248,931; Dec. 4; v. 245; p. 147.
- Chair, R. H. Soper. No. 1,217,231; Feb. 27; v. 235; p. 1094.
- Chair, M. Thum. No. 1,213,299; Jan. 23; v. 234; p. 1110.
- Chair, A. Wanner, Jr. No. 1,213,312; Jan. 23; v. 234; p. 1116.
- Chair, A. Wanner, Jr. No. 1,233,625; July 17; v. 240; p. 758.
- Chair, G. Witter. No. 1,246,209; Nov. 13; v. 244; p. 348.
- Chair adjustment, Revolving and swiveling. H. W. Bolens. No. 1,245,182; Nov. 6; v. 244; p. 12.
- Chair adjustment, Tilting-. H. W. Bolens. No. 1,217,268; Feb. 27; v. 235; p. 1106.
- Chair and desk, Combined. F. A. Schlanger. No. 1,231,301; June 26; v. 239; p. 1104.
- Chair and high chair, Combined. G. Agati. No. 1,243,913; Oct. 23; v. 243; p. 876.
- Chair and ironing-table, Combined. G. W. Anderson. No. 1,250,755; Dec. 18; v. 245; p. 748.
- Chair and table, Combined. J. P. Sandell. No. 1,218,322; Mar. 6; v. 236; p. 152.
- Chair and table, Convertible. C. F. Vollmer. No. 1,220,300; Mar. 27; v. 236; p. 945.
- Chair attachment. H. C. Cooney. No. 1,237,301; Aug. 21; v. 241; p. 639.
- Chair attachment. E. Corbin. No. 1,216,287; Feb. 20; v. 235; p. 725.
- Chair attachment. W. T. Lilly. No. 1,239,018; Sept. 4; v. 242; p. 96.
- Chair attachment, Rocking-. J. B. Boyle. No. 1,233,747; July 17; v. 240; p. 795.
- Chair attachment, Theater-. P. M. Griggs. No. 1,250,857; Dec. 18; v. 245; p. 780.
- Chair-back-adjusting device. F. Ritter. No. 1,246,659; Nov. 13; v. 244; p. 484.
- Chair-bed, Combination. M. Mester. No. 1,251,079; Dec. 25; v. 245; p. 895.
- Chair-brace. R. A. Parent. No. 1,212,548; Jan. 16; v. 234; p. 814.
- Chair clamp, Rocking-. S. D. Bell. No. 1,228,521; June 5; v. 239; p. 51.
- Chair detail. E. R. Thiel. No. 1,226,410; May 15; v. 238; p. 884.
- Chair fan attachment. A. E. Hauser. No. 1,220,628; Mar. 27; v. 236; p. 1060.
- Chair fan attachment, Rocking-. A. J. Schroeder. No. 1,241,670; Oct. 2; v. 243; p. 64.
- Chair fan attachment, Rocking-. M. Wagner. No. 1,210,569; Jan. 2; v. 234; p. 67.
- Chair for ships. J. Rastija. No. 1,220,553; Mar. 27; v. 236; p. 1035.
- Chair guide, Oscillating-. A. L. Warner. No. 1,210,739; Jan. 2; v. 234; p. 125.
- Chair head-rest banger, Barber's-. A. Bongiovanni. No. 1,225,567; May 8; v. 238; p. 555.
- Chair holder, Rocking-. A. M. Bennett. No. 1,219,058; Mar. 13; v. 236; p. 449.
- Chair-iron. H. W. Bolens. No. 1,229,214; June 12; v. 239; p. 332.
- Chair-leg attachment. J. T. McClelland. No. 1,230,187; June 19; v. 239; p. 693.
- Chair-seat. F. S. Marr and H. R. Miller. No. 1,212,657; Jan. 16; v. 234; p. 855.
- Chair-seat spider. H. W. Bolens. No. 1,247,625; Nov. 27; v. 244; p. 830.
- Chair-seat, Spring. W. B. Foster. No. 1,215,790; Feb. 13; v. 235; p. 494.
- Chair-seats, Manufacture of. A. J. Baum. No. 1,224,891; May 8; v. 238; p. 325.
- Chair-tray. G. D. Thomas. No. 1,242,074; Oct. 2; v. 243; p. 192.
- Chairs and like furniture, Apparatus for the manufacture of seats and backs for. E. E. Peck. (Reissue.) No. 1,432,22; June 26; v. 239; p. 1185.
- Chairs and like furniture, Apparatus for the manufacture of seats and backs for. E. E. Peck. No. 1,234,210; July 24; v. 240; p. 980.
- Chairs, Attachment for rockers of. L. L. Weishaar. No. 1,233,006; July 10; v. 240; p. 518.
- Chairs, Auxiliary back-rest for. T. N. Bearfield. No. 1,215,467; Feb. 13; v. 235; p. 377.
- Chairs, Auxiliary seat for barber-. J. Silverman. No. 1,247,161; Nov. 20; v. 244; p. 667.
- Chairs, Folding device for theater-. H. C. Nolan. No. 1,210,518; Jan. 2; v. 234; p. 48.
- Chairs, Head-rest for barbers'. G. W. Spahr. No. 1,217,652; Feb. 27; v. 235; p. 1245.
- Chairs, Lap-table for steamer-. R. A. Larson. No. 1,248,138; Nov. 27; v. 244; p. 978.
- Chairs, Leg-rest for. G. Fischrupp. No. 1,211,428; Jan. 9; v. 234; p. 394.
- Chairs, Reading attachment for. G. Wickberg. No. 1,228,274; May 29; v. 238; p. 1373.
- Chalk-cup. S. N. Jensen. No. 1,221,057; Apr. 3; v. 237; p. 19.
- Chalk-holder. A. Yelin. No. 1,217,545; Feb. 27; v. 235; p. 1206.
- Chalk-line holder. H. J. Meldrum. No. 1,219,473; Mar. 20; v. 236; p. 617.
- Chalk-line reel. W. Kilmer, Sr. No. 1,234,347; July 24; v. 240; p. 1025.
- Chandeller. M. D. Schwartz. No. 1,219,171; Mar. 13; v. 236; p. 483.
- Chandelier. R. C. Steeple. No. 1,241,777; Oct. 2; v. 243; p. 98.
- Chandelier, Gas-. A. Spielman. No. 1,241,159; Sept. 25; v. 242; p. 866.
- Chandeliers, Valve and signal device for gas-. A. Spielman. No. 1,242,488; Oct. 9; v. 243; p. 364.

Alphabetical list of inventions—Continued.

- Change-delivering machine. T. I. Potter. No. 1,215,408; Feb. 13; v. 235; p. 356.
- Change-maker. M. C. Bruhn. No. 1,226,181; May 15; v. 238; p. 805.
- Change-making machine. A. Coats. No. 1,233,845; July 17; v. 240; p. 827.
- Change-making machine. J. W. Daniel. No. 1,231,858; July 3; v. 240; p. 108.
- Change-making machine. W. Dun Lany. No. 1,231,578; July 3; v. 240; p. 12.
- Change-making machine. F. A. Niemann. No. 1,222,659; Apr. 17; v. 237; p. 655.
- Change-making machine, Automatic. C. A. McMullen. No. 1,228,459; June 5; v. 239; p. 28.
- Change-receptacle. R. Tappan. No. 1,242,739; Oct. 9; v. 243; p. 444.
- Change-speed device. J. W. T. Gutt. No. 1,223,966; Apr. 24; v. 237; p. 1139.
- Channeling-machine. F. E. Bertrand. No. 1,213,793; Jan. 23; v. 234; p. 1279.
- Channeling-machine. F. E. Bertrand. No. 1,213,802; Jan. 23; v. 234; p. 1283.
- Channeling-machine, Electropneumatic. A. H. Gibson. No. 1,240,559; Sept. 18; v. 242; p. 647.
- Chaplet. S. Le Viness, Jr. No. 1,241,862; Oct. 2; v. 243; p. 125.
- Charcoal-making process and apparatus. S. Iwamoto. No. 1,227,148; May 22; v. 238; p. 1170.
- Charcoal, Method and machine for preparing. H. J. Haber. No. 1,243,734; Oct. 23; v. 243; p. 819.
- Charcoal, Preparation of vegetable. T. E. Rule and J. Nicol. No. 1,250,228; Dec. 18; v. 245; p. 592.
- Charge-forming device. F. E. Rupright. No. 1,227,546; May 22; v. 238; p. 1299.
- Charge-preparing apparatus. R. O. Deulen. No. 1,228,415; June 5; v. 239; p. 14.
- Charge-preparing apparatus. W. R. McKean, Jr. No. 1,229,492; June 12; v. 239; p. 426.
- Charging and discharging machines, Control mechanism for. H. A. Carpenter and A. W. Warner. No. 1,229,225; June 12; v. 239; p. 336.
- Charging device. W. C. Daugherty. No. 1,239,571; Sept. 11; v. 242; p. 301.
- Charging device. J. N. Reese. No. 1,217,219; Feb. 27; v. 235; p. 1090.
- Charging mechanism. T. W. Atterbury and P. W. Matthews. No. 1,240,295; Sept. 18; v. 242; p. 566.
- Charging or measuring device. J. A. Svenson. No. 1,222,160; Apr. 10; v. 237; p. 486.
- Chart-case. A. T. McCluer. No. 1,224,396; May 1; v. 238; p. 101.
- Chart, Longitude and time. R. J. Wallace. No. 1,223,128; Apr. 17; v. 237; p. 815.
- Chart or map holder. A. C. G. Drellick. No. 1,249,352; Dec. 11; v. 245; p. 298.
- Chart or master-pattern. K. C. McLaren. No. 1,218,435; Mar. 6; v. 236; p. 190.
- Chart, Writing-. C. E. Birch. No. 1,216,405; Feb. 20; v. 235; p. 768.
- Charts, &c., Sectional mounting of. J. H. Barnard. No. 1,225,305; May 8; v. 238; p. 466.
- Chaser and mounting therefor. V. R. Koontz. No. 1,216,328; Feb. 20; v. 235; p. 739.
- Chaser and reamer. G. Y. Morton. No. 1,228,951; June 5; v. 239; p. 194.
- Check. J. F. Shoemaker. No. 1,225,512; May 8; v. 238; p. 535.
- Check and memorandum pad case. E. T. Hazelett. No. 1,239,596; Sept. 11; v. 242; p. 308.
- Check, Baggage-identification. E. A. Pyle. No. 1,234,566; July 24; v. 240; p. 1097.
- Check, &c., Blank. C. K. Schmidt. No. 1,227,004; May 22; v. 238; p. 1122.
- Check-controlled apparatus. A. Rydquist. No. 1,226,015; May 15; v. 238; p. 748.
- Check-controlled apparatus. F. W. Turney. No. 1,245,405; Nov. 6; v. 244; p. 79.
- Check-controlled machine. A. D. Antoine and F. Black. No. 1,210,882; Jan. 2; v. 234; p. 173.
- Check-controlled mechanism. H. Nias and W. Poster. No. 1,214,946; Feb. 6; v. 235; p. 162.
- Check-holder. B. Marsh. No. 1,243,326; Oct. 16; v. 243; p. 662.
- Check holder, Conductor's. G. A. Parkhurst. No. 1,224,317; May 1; v. 238; p. 73.
- Check holding and notching device. J. S. Arcus. No. 1,239,861; Sept. 11; v. 242; p. 394.
- Check-indorsing machine. W. E. Marshall. No. 1,244,524; Oct. 30; v. 243; p. 1096.
- Check-lock. S. C. Webb. No. 1,211,648; Jan. 9; v. 234; p. 468.
- Check-marker. L. Hand. No. 1,221,049; Apr. 3; v. 237; p. 16.
- Check-notching device. C. Feddern. No. 1,229,176; June 5; v. 239; p. 270.
- Check-perforating device, Banks. E. S. Johnson and R. J. Beckley. No. 1,250,317; Dec. 18; v. 245; p. 618.
- Check-protector. C. E. Dick. No. 1,229,047; June 5; v. 239; p. 226.
- Check-protector. I. Engstrom. No. 1,242,162; Oct. 9; v. 243; p. 261.
- Check-protector. J. J. Guerra. No. 1,238,665; Aug. 28; v. 241; p. 1111.
- Check-protector. G. W. Maxwell. No. 1,222,317; Apr. 10; v. 237; p. 492.
- Check-protector. C. C. McCombs. No. 1,219,336; Mar. 13; v. 236; p. 540.
- Check-protector. J. E. Simpson and C. J. Paulson. No. 1,240,891; Sept. 25; v. 242; p. 783.
- Check-protector. L. H. Stephenson. No. 1,228,844; June 5; v. 239; p. 161.
- Check protector, Baggage-. W. E. Pullard. No. 1,213,007; Jan. 16; v. 234; p. 977.
- Check-row marker. P. E. Wistrand. No. 1,231,979; July 3; v. 240; p. 148.
- Check, Safety-. J. B. Robertson. No. 1,221,599; Apr. 3; v. 237; p. 208.
- Check-wire anchor. T. Felcyn. No. 1,247,249; Nov. 20; v. 244; p. 692.
- Checks, Holder and punch for price or pay. J. Riikonen. No. 1,248,917; Dec. 4; v. 245; p. 144.
- Checker and tally, Automatic. G. L. Woodward. No. 1,246,210; Nov. 13; v. 244; p. 349.
- Checking device. F. Wedge. No. 1,224,432; May 1; v. 238; p. 116.
- Checkrein attachment. W. O. Backlund. No. 1,245,175; Nov. 6; v. 244; p. 10.
- Cheese-cutter, Computing. E. T. Silvius. No. 1,210,552; Jan. 2; v. 234; p. 60.
- Cheese-cutter cover, Removable. E. T. Silvius. No. 1,210,551; Jan. 2; v. 234; p. 60.
- Cheese-cutting apparatus. W. Husey and W. Webb. No. 1,233,360; July 17; v. 240; p. 668.
- Cheese, Device for handling leaves of. D. Loertscher. No. 1,221,341; Apr. 3; v. 237; p. 119.
- Cheese-hoop and follower. H. D. Mixa. No. 1,249,801; Dec. 11; v. 245; p. 429.
- Cheese-hoop follower. R. J. J. Mueller. No. 1,248,696; Dec. 4; v. 245; p. 79.
- Cheese-press. G. E. McCann. No. 1,217,963; Mar. 6; v. 236; p. 28.
- Cheese-press. H. F. Reinhold and A. F. Meyer. No. 1,221,219; Apr. 3; v. 237; p. 77.
- Cheese-shelf. L. W. Wooden. No. 1,243,788; Oct. 23; v. 243; p. 837.
- Cheese-stirring machine. A. Hoerbuerger. No. 1,248,327; Nov. 27; v. 244; p. 1032.
- Chemical apparatus. Z. Ostenberg. No. 1,220,778; Mar. 27; v. 236; p. 1109.
- Chemical heater. C. A. B. Kincaid. No. 1,216,816; Feb. 20; v. 235; p. 909.
- Chemical reactions, Apparatus for organic. J. W. Aylsworth. No. 1,213,143; Jan. 23; v. 234; p. 1055.
- Chemical reactions, Carrying out. O. Serpek. No. 1,217,842; Feb. 27; v. 235; p. 1308.
- Chemicals to fluids, Proportionate application of. G. F. Hodgkinson. No. 1,243,737; Oct. 23; v. 243; p. 820.
- Cherry-seeder. W. O. McDaniel. No. 1,235,706; Aug. 7; v. 241; p. 56.
- Cherry-stoner. C. W. Asbury. No. 1,226,438; May 15; v. 238; p. 892.
- Cherry-stoner. M. A. Rollman and C. J. Schiemer. No. 1,220,364; Mar. 27; v. 236; p. 968.
- Chest: See—
Ammunition-chest. Steam-chest.
Ice-chest.
- Chest and means for locking the same. G. Pullara. No. 1,221,215; Apr. 3; v. 237; p. 76.
- Chicken-fountain. C. A. Muller. No. 1,228,230; May 29; v. 238; p. 1559.
- Chicken-house. W. Hellwig. No. 1,218,259; Mar. 6; v. 236; p. 131.
- Chicken-renovator. R. E. Pack. No. 1,213,129; Jan. 16; v. 234; p. 1017.
- Child's seat, Folding and adjustable. L. L. Farrer. No. 1,239,470; Sept. 11; v. 242; p. 268.
- Chilli-roaster. G. E. Lynch. No. 1,217,099; Feb. 20; v. 235; p. 1004.
- Chimes, Pianissimo device for. H. Vonder Heydt. No. 1,236,239; Aug. 7; v. 241; p. 229.
- Chimney and stovepipe attachment. E. C. Henry. No. 1,220,987; Mar. 27; v. 236; p. 1180.
- Chimney-building accessories. W. B. Fulton. No. 1,216,223; Feb. 13; v. 235; p. 650.
- Chimney-cleaner. F. T. MacDonald. No. 1,230,310; June 19; v. 239; p. 734.
- Chimney-holder. A. K. Ashmon. No. 1,223,233; Apr. 17; v. 237; p. 849.
- Chimney-holder. H. Watty. No. 1,242,748; Oct. 9; v. 243; p. 447.
- Chimney-jack, Adjustable. A. F. Sturgel. No. 1,250,699; Dec. 18; v. 245; p. 732.
- Chimney, Ventilating-. G. T. Bell. No. 1,218,960; Mar. 6; v. 236; p. 165.
- Chin-supporter. Z. C. Cauffman. No. 1,247,222; Nov. 20; v. 244; p. 684.
- Chiropody-chair. W. F. Koken. No. 1,233,249; July 10; v. 240; p. 596.
- Chiropactic table. F. M. Naysmith. No. 1,228,953; June 5; v. 239; p. 195.
- Chiropactic table, Folding. L. P. Montaney. No. 1,230,592; June 19; v. 239; p. 829.
- Chlorin derivatives of toluol, Manufacturing side chain. H. D. Gibbs and G. A. Geiger. No. 1,246,739; Nov. 13; v. 244; p. 507.
- Chlorin, Extraction of. P. L. Hulín. No. 1,246,099; Nov. 13; v. 244; p. 316.

- Chlorinated products of xylene, aldehydobenzoic acids, and dyestuffs therefrom, Manufacture of. J. Schmidlin and M. Fischer. No. 1,219,166; Mar. 13; v. 236; p. 482.
- Chlorinating and products thereof, Process of. G. Mercereau. No. 1,224,485; May 1; v. 238; p. 134.
- Chock. P. A. Bolopue. No. 1,223,247; Apr. 17; v. 237; p. 853.
- Chock. F. S. Tyson. No. 1,248,955; Dec. 4; v. 245; p. 154.
- Chock-block. E. S. Evans. No. 1,222,874; Apr. 10; v. 237; p. 513.
- Chock-block. E. S. Evans. (Reissue.) No. 14,306; May 29; v. 238; p. 1610.
- Chocolate-cooler. P. Stalder. No. 1,221,918; Apr. 10; v. 237; p. 352.
- Chocolate-heater. H. R. Richards. No. 1,239,218; Sept. 4; v. 242; p. 160.
- Chocolates, Method and apparatus for coating. D. G. Steely. No. 1,226,824; May 22; v. 238; p. 1059.
- Choker-hook. O. H. Hiatt. No. 1,219,942; Mar. 20; v. 236; p. 782.
- Cholic-acid formaldehyde condensation product. E. Rietz. No. 1,213,261; Jan. 23; v. 234; p. 1097.
- Chopper. *See*—
 Beet-chopper. Meat-chopper.
 Cotton-chopper. Stalk-chopper.
 Food-chopper.
- Chopping-wheel. L. T. Wilkins. No. 1,216,033; Feb. 13; v. 235; p. 584.
- Christmas tree, Artificial. H. K. Vierlinger. No. 1,240,392; Sept. 18; v. 242; p. 856.
- Christmas-tree holder. H. Elbe. No. 1,233,207; July 10; v. 240; p. 584.
- Christmas-tree holder. F. W. Krapf, Jr. No. 1,241,127; Sept. 25; v. 242; p. 855.
- Christmas-tree holder. G. Stanton and J. D. Walters. No. 1,217,655; Feb. 27; v. 235; p. 1246.
- Christmas-tree ornament. D. Levi. No. 1,216,580; Feb. 20; v. 235; p. 829.
- Christmas-tree stand. G. W. Everts. No. 1,222,273; Apr. 10; v. 237; p. 476.
- Christmas-tree stand. C. Saucier. No. 1,240,376; Sept. 18; v. 242; p. 591.
- Christmas-tree support, Rotatable. H. W. Wasenske. No. 1,220,708; Mar. 27; v. 236; p. 1087.
- Christmas trees, Illuminating-burner for. G. R. Grupe. No. 1,225,241; May 8; v. 238; p. 442.
- Christmas trees, Decorations, &c., Ornament for. B. Wilmssen. No. 1,217,675; Feb. 27; v. 235; p. 1252.
- Chromates, Manufacturing metallic. K. Toabe. No. 1,225,374; May 8; v. 238; p. 491.
- Chromium compounds of the galloycyanin series and making same. G. Engli, A. Grob, and J. Würzler. No. 1,227,407; May 22; v. 238; p. 1253.
- Chromium oxid. Preparing compounds of. E. Voetter. No. 1,228,622; June 5; v. 239; p. 84.
- Chronometer-escapement. R. A. Wentworth. No. 1,213,716; Jan. 23; v. 234; p. 1254.
- Chuck. W. A. Barker. No. 1,249,300; Dec. 11; v. 245; p. 284.
- Chuck. F. E. Bright. No. 1,239,873; Sept. 11; v. 242; p. 398.
- Chuck. A. E. Church. No. 1,219,083; Mar. 13; v. 236; p. 453.
- Chuck. J. G. Davidson. No. 1,232,508; July 10; v. 240; p. 357.
- Chuck. J. F. Halstead. No. 1,250,864; Dec. 18; v. 245; p. 782.
- Chuck. A. J. Lavoie. No. 1,236,453; Aug. 14; v. 241; p. 328.
- Chuck. E. T. McPherson. No. 1,224,945; May 8; v. 238; p. 344.
- Chuck. J. A. Milliken. No. 1,243,090; Oct. 16; v. 243; p. 592.
- Chuck. C. Pauli. No. 1,222,320; Apr. 10; v. 237; p. 493.
- Chuck. J. A. Stanfield. No. 1,244,253; Oct. 23; v. 243; p. 977.
- Chuck. D. Weir. No. 1,225,089; May 8; v. 238; p. 392.
- Chuck and casing, Magnetic. A. M. Drake. No. 1,213,167; Jan. 23; v. 234; p. 1063.
- Chuck, Drill. A. Jonsson. No. 1,249,766; Dec. 11; v. 245; p. 417.
- Chuck, Drill. M. Ross. No. 1,233,921; July 17; v. 240; p. 852.
- Chuck, Expanding. C. F. Ulrich. No. 1,250,532; Dec. 18; v. 245; p. 683.
- Chuck, External-compression self-tightening. J. McGregor. No. 1,237,353; Aug. 21; v. 241; p. 657.
- Chuck, Floating tool. H. J. Watts. No. 1,241,175; Sept. 25; v. 242; p. 871.
- Chuck, Floating tool. H. J. Watts. No. 1,241,177; Sept. 25; v. 242; p. 872.
- Chuck for machine-tools. J. C. Alder, Sr. No. 1,231,322; June 26; v. 239; p. 1111.
- Chuck, Gear-grinding. J. P. Johnson. No. 1,219,740; Mar. 20; v. 236; p. 710.
- Chuck, Internal-expansion self-tightening. J. McGregor. No. 1,245,251; Nov. 6; v. 244; p. 33.
- Chuck, Lathe. C. J. Manual and M. L. Richardson. No. 1,238,546; Aug. 28; v. 241; p. 1075.
- Chuck, Machine. A. E. Church. No. 1,219,439; Mar. 20; v. 236; p. 606.
- Chuck, Machine. J. G. Hallas. No. 1,242,182; Oct. 9; v. 243; p. 267.
- Chuck, Magnetic. L. W. Downes and R. C. Patton. No. 1,232,512; July 10; v. 240; p. 359.
- Chuck, Magnetic. W. S. Griffith. No. 1,232,532; July 10; v. 240; p. 364.
- Chuck, Magnetic. G. G. Pragst. No. 1,212,555; Jan. 16; v. 234; p. 817.
- Chuck, Magnetic. O. S. Walker. No. 1,222,052; Apr. 10; v. 237; p. 398.
- Chuck, Power-operated lathe. J. C. Potter. No. 1,211,622; Jan. 9; v. 234; p. 459.
- Chuck, Reversible driving. F. S. Short. No. 1,211,633; Jan. 9; v. 234; p. 463.
- Chuck, Safety. J. H. Richardson. No. 1,211,758; Jan. 9; v. 234; p. 506.
- Chuck, Tapping. J. A. Dalton. No. 1,219,537; Mar. 20; v. 236; p. 641.
- Chuck, Wire-twisting. G. B. Smith. No. 1,247,023; Nov. 20; v. 244; p. 626.
- Churn. R. S. Bates. No. 1,232,184; July 3; v. 240; p. 218.
- Churn. P. B. Bell. No. 1,214,413; Jan. 30; v. 234; p. 1523.
- Churn. S. Bell-Clifford. No. 1,238,626; Aug. 28; v. 241; p. 1099.
- Churn. J. H. Bowling. No. 1,231,119; June 26; v. 239; p. 1045.
- Churn. N. P. Dazey. No. 1,250,810; Dec. 18; v. 245; p. 766.
- Churn. J. F. Haddan. No. 1,213,187; Jan. 23; v. 234; p. 1070.
- Churn. C. A. McCann. No. 1,242,218; Oct. 9; v. 243; p. 278.
- Churn. F. McEntire. No. 1,225,462; May 8; v. 238; p. 520.
- Churn. S. H. Sandefur. No. 1,243,634; Oct. 16; v. 243; p. 753.
- Churn. J. L. Saxe. No. 1,224,798; May 1; v. 238; p. 242.
- Churn. F. C. Scott. No. 1,230,040; June 12; v. 239; p. 605.
- Churn. C. F. Waller. No. 1,250,396; Dec. 18; v. 245; p. 641.
- Churn. C. M. Wolfe. No. 1,220,923; Mar. 27; v. 236; p. 1159.
- Churn-dasher. A. E. F. Holden. No. 1,226,518; May 15; v. 238; p. 917.
- Churn-dasher. T. G. Wade. No. 1,234,513; July 24; v. 240; p. 1080.
- Churn-frame, Collapsible. F. Martinson. No. 1,250,923; Dec. 18; v. 245; p. 799.
- Churn-operating device. J. R. Ballenger. No. 1,229,017; June 5; v. 239; p. 216.
- Churn-operating mechanism. J. Hofmann. No. 1,227,267; May 22; v. 238; p. 1210.
- Churn-operating mechanism. A. H. Stutler. No. 1,223,006; Apr. 17; v. 237; p. 773.
- Churn-operating mechanism. C. S. Waybright. No. 1,247,352; Nov. 20; v. 244; p. 720.
- Churn-operating mechanism. R. H. Wood. No. 1,211,517; Jan. 9; v. 234; p. 424.
- Churn, Vacuum. E. B. Heller. No. 1,212,483; Jan. 16; v. 234; p. 791.
- Churns, Collapsible support for. G. A. Griggs. No. 1,236,292; Aug. 7; v. 241; p. 245.
- Churns, Vent-valve for. F. Chadina. No. 1,244,292; Oct. 23; v. 243; p. 990.
- Chute. W. W. Jackson. No. 1,244,501; Oct. 30; v. 243; p. 1089.
- Chute and window-guard. Coal. J. R. Roscoe. No. 1,230,076; June 12; v. 239; p. 618.
- Chute, Animal. G. G. Roubesh. No. 1,212,112; Jan. 9; v. 234; p. 629.
- Chute door, Coal. C. F. Stiglitz. No. 1,242,067; Oct. 2; v. 243; p. 190.
- Chute for cars, Unloading. X. Kern. No. 1,251,238; Dec. 25; v. 245; p. 940.
- Chute for mixing machines, Delivery. C. W. Levalley. No. 1,243,614; Oct. 16; v. 243; p. 747.
- Chute, Hand-operated. E. H. Lichtenberg. No. 1,221,756; Apr. 3; v. 237; p. 261.
- Chute, Hog. H. C. Rybolt. No. 1,213,421; Jan. 23; v. 234; p. 1153.
- Chute, Loading and unloading. V. E. Dotson. No. 1,221,156; Apr. 3; v. 237; p. 54.
- Chute, Loading and unloading. C. Peterson. No. 1,241,436; Sept. 25; v. 242; p. 952.
- Chute, Silo. E. A. Franklin. No. 1,217,743; Feb. 27; v. 235; p. 1274.
- Chute structure, Telescoping. H. A. Carpenter and A. W. Warner. No. 1,229,224; June 12; v. 239; p. 335.
- Cigar. H. R. Van Deventer. No. 1,221,634; Apr. 3; v. 237; p. 220.
- Cigar and blending the same. H. A. Bock. No. 1,223,362; Apr. 24; v. 237; p. 926.
- Cigar and cigarette case. A. C. Carr. No. 1,220,496; Mar. 27; v. 236; p. 1015.
- Cigar and cigarette holder. H. A. Gray. No. 1,243,158; Oct. 16; v. 243; p. 610.
- Cigar and cigarette lighter. M. Wenzel. No. 1,251,312; Dec. 25; v. 245; p. 963.
- Cigar and match case, Combined. J. A. McCaskey. No. 1,215,291; Feb. 6; v. 235; p. 281.
- Cigar and stogy bunching and rolling machine. J. S. Haggerty. No. 1,239,002; Sept. 4; v. 242; p. 91.

Alphabetical list of inventions—Continued.

- Cigar and stogy making machine. J. S. Haggerty. No. 1,239,004; Sept. 4; v. 242; p. 91.
- Cigar-ash receptacle. J. S. Roginski. No. 1,213,262; Jan. 23; v. 234; p. 1097.
- Cigar-band. G. J. Nagel. No. 1,215,051; Feb. 6; v. 235; p. 201.
- Cigar-band. G. P. Schreiber. No. 1,211,630; Jan. 9; v. 234; p. 462.
- Cigar-band-making machine. P. Pierson. No. 1,250,008; Dec. 11; v. 245; p. 487.
- Cigar-banding machine. R. F. Downey. No. 1,221,424; Apr. 3; v. 237; p. 148.
- Cigar-box. R. W. Godfrey. No. 1,227,608; May 29; v. 238; p. 1349.
- Cigar-box. G. Waxel. No. 1,236,634; Aug. 14; v. 241; p. 387.
- Cigar-box, Non-repackable. M. T. Diaz. No. 1,235,773; Aug. 7; v. 241; p. 79.
- Cigar bunching and rolling machine. J. S. Haggerty. No. 1,233,662; July 17; v. 240; p. 769.
- Cigar-bunching machine. B. Liberman and J. C. Wobensmith. No. 1,214,193; Jan. 30; v. 234; p. 1446.
- Cigar-can. E. B. Bicker. No. 1,222,719; Apr. 17; v. 237; p. 676.
- Cigar-case. L. D. Martin. No. 1,222,435; Apr. 10; v. 237; p. 534.
- Cigar-case. G. M. Williams. No. 1,225,092; May 8; v. 238; p. 394.
- Cigar case and cutter. C. E. Johnson. No. 1,249,105; Dec. 4; v. 245; p. 195.
- Cigar-case holder. W. B. White. No. 1,221,398; Apr. 3; v. 237; p. 140.
- Cigar-cutter, match-ejector, and indicator, Combination. G. W. Berry. No. 1,238,381; Aug. 28; v. 241; p. 1021.
- Cigar-cutter, Sanitary. M. D. Stickle. No. 1,251,300; Dec. 25; v. 245; p. 960.
- Cigar-holder. W. D. Gibson. No. 1,214,153; Jan. 30; v. 234; p. 1432.
- Cigar-holder. E. H. Plamondon. No. 1,230,432; June 19; v. 239; p. 773.
- Cigar-holder. J. M. Schneider, Jr. No. 1,237,102; Aug. 14; v. 241; p. 540.
- Cigar-lighter. M. McAneny. No. 1,239,801; Sept. 11; v. 242; p. 373.
- Cigar-lighter, Electric. J. L. Spence. No. 1,235,853; Aug. 7; v. 241; p. 106.
- Cigar-making machine. A. J. Colwell. No. 1,231,132; June 26; v. 239; p. 1049.
- Cigar-mold attachment. G. J. Prentice. No. 1,235,595; Aug. 7; v. 241; p. 21.
- Cigar-mouthpiece. J. Peehacek. No. 1,234,209; July 24; v. 240; p. 980.
- Cigar-package. A. Schneider. No. 1,229,660; June 12; v. 239; p. 483.
- Cigar-package. J. T. Wilcox. No. 1,216,031; Feb. 13; v. 235; p. 583.
- Cigar-shield. J. Higham. No. 1,250,877; Dec. 18; v. 245; p. 785.
- Cigar-slitting machine. J. E. Norquest. No. 1,245,012; Oct. 30; v. 243; p. 1245.
- Cigar-tip. V. Goldberger. No. 1,217,590; Feb. 27; v. 235; p. 1222.
- Cigar-tip cutter. A. Bergeson. No. 1,218,830; Mar. 13; v. 236; p. 367.
- Cigar-tips, Making. B. I. Horwitz. No. 1,226,074; May 15; v. 238; p. 769.
- Cigar-wrap, moisture and container. B. Liberman. No. 1,214,194; Jan. 30; v. 234; p. 1446.
- Cigar-wrapping machine. J. H. Dean. No. 1,230,067; June 12; v. 239; p. 614.
- Cigars and cigarettes, Smoke-filter for. F. E. Fonseca. No. 1,237,026; Aug. 14; v. 241; p. 516.
- Cigars and other articles, Packing-strip for. O. L. Parmenter. No. 1,249,183; Dec. 4; v. 245; p. 217.
- Cigars and other articles, Packing-strip for. O. L. Parmenter. No. 1,249,184; Dec. 4; v. 245; p. 218.
- Cigars and the like, Marker for. S. Feld. No. 1,230,388; June 19; v. 239; p. 759.
- Cigars, cigarettes, and the like, Holder for. F. A. Cerruti. No. 1,241,820; Oct. 2; v. 243; p. 112.
- Cigars in packages, Holder for. T. E. Fearon. No. 1,243,827; Oct. 23; v. 243; p. 850.
- Cigars, Pocket-receptacle for lighted. T. A. Hilliard. No. 1,238,914; Sept. 4; v. 242; p. 62.
- Cigars, Wind-shield and protector for. C. E. Fort and A. S. Horton. No. 1,240,329; Sept. 18; v. 242; p. 576.
- Cigarette and match box, Combination. G. W. Clayton and J. Morrison. No. 1,232,770; July 10; v. 240; p. 442.
- Cigarette and match box, Unitary. G. F. Hall. No. 1,214,456; Jan. 30; v. 234; p. 1536.
- Cigarette and the like, Ash-retaining. G. H. Brown. No. 1,211,071; Jan. 2; v. 234; p. 240.
- Cigarette and the like box. H. W. Jones. No. 1,246,932; Nov. 20; v. 244; p. 601.
- Cigarette-box. C. M. Baldwin. No. 1,224,996; May 8; v. 238; p. 361.
- Cigarette-box. M. H. Betts. No. 1,210,888; Jan. 2; v. 234; p. 175.
- Cigarette-box. G. E. Griffith and E. F. Gallagher. No. 1,240,563; Sept. 18; v. 242; p. 648.
- Cigarette-box. M. Karp. No. 1,235,572; Aug. 7; v. 241; p. 14.
- Cigarette-box. A. Kupiszewski. No. 1,244,057; Oct. 23; v. 243; p. 919.
- Cigarette-box wrapper. G. E. Lamberson. No. 1,227,159; May 22; v. 238; p. 1174.
- Cigarette-case. L. De Goll. No. 1,245,445; Nov. 6; v. 244; p. 91.
- Cigarette-case. W. Dietz. No. 1,221,701; Apr. 3; v. 237; p. 243.
- Cigarette-case. B. G. Hackett. No. 1,237,776; Aug. 21; v. 241; p. 793.
- Cigarette-case. J. T. Inman. No. 1,233,058; July 10; v. 240; p. 535.
- Cigarette-case. S. L. Johnston. No. 1,236,442; Aug. 14; v. 241; p. 325.
- Cigarette-case. T. J. Jurick. No. 1,242,699; Oct. 9; v. 243; p. 432.
- Cigarette-case. G. T. Moritz. No. 1,225,473; May 8; v. 238; p. 523.
- Cigarette-case. V. Nivois. No. 1,229,502; June 12; v. 239; p. 429.
- Cigarette-case. V. Nivois. No. 1,231,186; June 26; v. 239; p. 1066.
- Cigarette-case. V. Nivois. No. 1,232,071; July 3; v. 240; p. 181.
- Cigarette-case. V. Nivois. No. 1,232,072; July 3; v. 240; p. 182.
- Cigarette-case. V. Nivois. No. 1,232,073; July 3; v. 240; p. 182.
- Cigarette-case. V. Primavera and G. Gallo. No. 1,226,591; May 15; v. 238; p. 940.
- Cigarette-case. J. Scholz. No. 1,218,705; Mar. 13; v. 236; p. 321.
- Cigarette-case. J. B. Stimpson. No. 1,234,580; July 24; v. 240; p. 1101.
- Cigarette-case, Pocket. S. Holtzclaw. No. 1,233,236; July 10; v. 240; p. 592.
- Cigarette-dispensing box. T. Cloovas. No. 1,247,225; Nov. 20; v. 244; p. 685.
- Cigarette-filling device. E. P. Delevanti. No. 1,233,850; July 17; v. 240; p. 829.
- Cigarette-lifter. J. P. Barnett. No. 1,241,463; Sept. 25; v. 242; p. 961.
- Cigarette-lighting case. A. S. Domeniconi. No. 1,251,191; Dec. 25; v. 245; p. 927.
- Cigarette-machine. A. Du Brul. No. 1,237,760; Aug. 21; v. 241; p. 788.
- Cigarette-machine. L. M. Gilliam. No. 1,227,549; May 22; v. 238; p. 1300.
- Cigarette-machine, Continuous-rod. W. C. Briggs. No. 1,228,525; June 5; v. 239; p. 52.
- Cigarette-machines, Cutter-head for. R. E. Rosewarne. No. 1,242,478; Oct. 9; v. 243; p. 361.
- Cigarette-making machine. P. Hayn. No. 1,223,874; Apr. 24; v. 237; p. 1108.
- Cigarette-making machines, Pasting apparatus for. M. C. Grahl. No. 1,248,314; Nov. 27; v. 244; p. 1027.
- Cigarette or the like case. O. Mitchell. No. 1,237,540; Aug. 21; v. 241; p. 717.
- Cigarette-packaging machine. E. L. Bracy. No. 1,247,364; Nov. 20; v. 244; p. 723.
- Cigarette-packing machine. G. B. Flagg. No. 1,227,600; May 29; v. 238; p. 1346.
- Cigarette-paper book. A. Julian. No. 1,234,037; July 17; v. 240; p. 888.
- Cigarette-paper holder for tobacco-receptacles. T. H. Nance. No. 1,213,680; Jan. 23; v. 234; p. 1242.
- Cigarette-paper receptacle, Sanitary. J. A. Jones, C. D. Rowe, and C. E. Johnson. No. 1,212,068; Jan. 9; v. 234; p. 615.
- Cigarette-roller. H. R. Goodall. No. 1,233,048; July 10; v. 240; p. 532.
- Cigarette-tipping machine. J. Callaghan. No. 1,234,284; July 24; v. 240; p. 1004.
- Cigarette-tipping machine. J. Callaghan. No. 1,234,285; July 24; v. 240; p. 1005.
- Cigarette-wrappers and tobacco, Receptacle for. S. H. Adams. No. 1,222,254; Apr. 10; v. 237; p. 470.
- Cigarettes and similar articles, Apparatus for handling. J. N. Tzibides. No. 1,236,019; Aug. 7; v. 241; p. 161.
- Cigarettes and the like, Case for. T. F. Hathaway. No. 1,229,952; June 12; v. 239; p. 579.
- Cigarettes and the like, Case for. J. E. Johnson. No. 1,229,967; June 12; v. 239; p. 583.
- Cigarettes and the like, Machine for wrapping tips on. J. N. Tzibides. No. 1,231,814; July 3; v. 240; p. 94.
- Cigarettes and the like, Straw-covering material for mouthpieces of. A. B. Fischl. No. 1,241,840; Oct. 2; v. 243; p. 119.
- Cigarettes, Apparatus for applying tips to. T. W. Baldwin. No. 1,213,061; Jan. 16; v. 234; p. 993.
- Cinch-grip. E. A. Grushus. No. 1,216,228; Feb. 13; v. 235; p. 652.
- Cinchona alkaloids and 2-phenyl-quinolin-4-carboxylic acid, Compound of. A. B. Davis. No. 1,213,464; Jan. 23; v. 234; p. 1169.
- Cinder-guard. D. Funsten. (Reissue.) No. 14,240; Jan. 2; v. 234; p. 343.
- Cinematograph. L. McCormick. No. 1,210,961; Jan. 2; v. 234; p. 202.
- Cinematograph. A. R. Selden. No. 1,229,329; June 12; v. 239; p. 371.
- Cinematograph. V. W. Thomas. No. 1,229,673; June 12; v. 229; p. 487.

- Cinematograph and gramophone machine. F. Von Madaler. No. 1,230,633; June 19; v. 239; p. 842.
- Cinematograph and the like, Apparatus for lighting the screens, used with. L. McCormick. No. 1,210,960; Jan. 2; v. 234; p. 202.
- Cinematograph and the like effect. L. McCormick. No. 1,211,200; Jan. 2; v. 234; p. 282.
- Cinematograph apparatus. H. Workman. No. 1,248,587; Dec. 4; v. 245; p. 48.
- Cinematograph apparatus and film for use therewith. S. Cocanari. No. 1,220,195; Mar. 27; v. 236; p. 907.
- Cinematograph color-films, Making. J. E. Thornton. No. 1,245,822; Nov. 6; v. 244; p. 206.
- Cinematograph-films and obtaining the same, Movable plate applicable to the manufacture of positive. A. Boularan, *dit* Deval. No. 1,212,446; Jan. 16; v. 234; p. 778.
- Cinematograph-films, Machine for treating. W. Frank. No. 1,211,429; Jan. 9; v. 234; p. 395.
- Cinematograph for natural-color projections by the three-color process. L. Gaumont. No. 1,223,381; Apr. 24; v. 237; p. 932.
- Cinematograph for projection in natural colors by the three-colors process. L. Gaumont. No. 1,233,772; July 17; v. 240; p. 803.
- Cinematograph-lanterns and the like, Casing for condensing-lenses of. G. E. Dyer and S. R. Lean. No. 1,250,820; Dec. 18; v. 245; p. 769.
- Cinematograph-machine. H. W. Joy. No. 1,250,186; Dec. 18; v. 245; p. 579.
- Cinematograph-operating device. A. R. Selden. No. 1,250,364; Dec. 18; v. 245; p. 632.
- Cinematographs, Condensing-lens for. A. F. Victor. No. 1,212,853; Jan. 16; v. 234; p. 921.
- Cinematographic and like apparatus, Light-control mechanism for. A. S. Howell. No. 1,247,682; Nov. 27; v. 244; p. 848.
- Cinematographic apparatus. W. Bauersfeld. No. 1,219,221; Mar. 13; v. 236; p. 501.
- Cinematographic apparatus. J. Kleidman. No. 1,236,319; Aug. 7; v. 241; p. 252.
- Cinematographic apparatus. J. Lehmann. No. 1,214,798; Feb. 6; v. 235; p. 109.
- Cinematographic apparatus, Shutter for. A. and L. Chronik. No. 1,223,147; Apr. 17; v. 237; p. 822.
- Cinematographic device. E. M. Stoffels. No. 1,231,961; July 3; v. 240; p. 142.
- Cinematographic films and the like, Quick drying of. E. Planchat. No. 1,232,077; July 3; v. 240; p. 183.
- Cinematographic films, Apparatus for printing. P. D. Brewster. No. 1,233,176; July 10; v. 240; p. 574.
- Cinematographic films, Apparatus for treating. P. D. Brewster. No. 1,223,664; Apr. 24; v. 237; p. 1034.
- Cinematographic stencils, Machine for cutting. M. Vandal. No. 1,223,539; Apr. 24; v. 237; p. 990.
- Cinematographic views in colors, Apparatus for taking. L. Gaumont. No. 1,213,184; Jan. 23; v. 234; p. 1069.
- Cinematography. W. B. Wescott. No. 1,245,844; Nov. 6; v. 244; p. 213.
- Cinematography, Color. C. N. Bennett. No. 1,217,391; Feb. 27; v. 235; p. 1149.
- Cinematography, Color. P. D. Brewster. No. 1,228,877; June 5; v. 239; p. 172.
- Cinematography, Film for color. P. D. Brewster. No. 1,222,925; Apr. 17; v. 237; p. 745.
- Circuit-breaker. F. J. Cleaver. No. 1,228,408; June 5; v. 239; p. 12.
- Circuit-breaker. C. J. Gustafson. No. 1,251,224; Dec. 25; v. 245; p. 937.
- Circuit-breaker. W. S. Harley. No. 1,240,442; Sept. 18; v. 242; p. 611.
- Circuit-breaker. E. W. Johanson. No. 1,242,195; Oct. 9; v. 243; p. 271.
- Circuit-breaker. F. H. Kroger. No. 1,239,114; Sept. 4; v. 242; p. 127.
- Circuit-breaker. B. M. Leece. No. 1,250,904; Dec. 18; v. 245; p. 793.
- Circuit-breaker. W. S. Mayer. No. 1,244,225; Oct. 23; v. 243; p. 969.
- Circuit-breaker. J. J. Nielsen. No. 1,212,146; Jan. 9; v. 234; p. 642.
- Circuit-breaker. H. A. Steen. No. 1,211,778; Jan. 9; v. 234; p. 513.
- Circuit-breaker, Automatically-operated. J. M. Bosbury. No. 1,228,395; June 5; v. 239; p. 7.
- Circuit-breaker for ignition systems. J. A. Williams. No. 1,231,681; July 3; v. 240; p. 49.
- Circuit-breaker for ignition systems. J. A. Williams. No. 1,244,155; Oct. 23; v. 243; p. 947.
- Circuit breaker, Speedometer-controlled ignition. J. W. Johnson. No. 1,223,177; Apr. 17; v. 237; p. 834.
- Circuit-breaker, Thermostatic. N. Bendixen. No. 1,233,746; July 17; v. 240; p. 795.
- Circuit-breaker, Two-voltage. F. E. Case. No. 1,227,386; May 22; v. 238; p. 1246.
- Circuit-breakers and other mechanisms, Set and release device for. O. F. Shepard, Jr. No. 1,232,106; July 3; v. 240; p. 193.
- Circuit-breakers, Mounting for. N. J. Conrad. No. 1,245,151; Nov. 6; v. 244; p. 3.
- Circuit-breaking apparatus, Overload. E. O. Schweitzer. No. 1,211,967; Jan. 9; v. 234; p. 584.
- Circuit-closer. G. M. Hart. No. 1,246,422; Nov. 13; v. 244; p. 413.
- Circuit-closer. J. F. Hawley and F. L. Moss. No. 1,233,231; July 10; v. 240; p. 591.
- Circuit-closer. C. Sheldon. No. 1,239,830; Sept. 11; v. 242; p. 383.
- Circuit-closer. J. W. Stutts. No. 1,221,486; Apr. 3; v. 237; p. 170.
- Circuit-closer, Float-controlled. S. E. Leming and C. C. Ellenberger. No. 1,234,354; July 24; v. 240; p. 1028.
- Circuit-closer for automatic train-stops. C. J. Graham and J. A. Farris. No. 1,223,866; Apr. 24; v. 237; p. 1105.
- Circuit-closer for train-stops and signals, Magnetic. H. G. Sedgwick. No. 1,225,507; May 8; v. 238; p. 533.
- Circuit-closing device. R. P. Johnston. No. 1,240,147; Sept. 11; v. 242; p. 479.
- Circuit-connector. H. A. Douglas. No. 1,220,139; Mar. 20; v. 236; p. 853.
- Circuit-connector. H. A. Douglas. No. 1,220,140; Mar. 20; v. 236; p. 854.
- Circuit-connector. H. A. Douglas. No. 1,220,141; Mar. 20; v. 236; p. 854.
- Circuit-connector. H. A. Douglas. No. 1,236,553; Aug. 14; v. 241; p. 361.
- Circuit-controller. J. M. Anderson. No. 1,210,581; Jan. 2; v. 234; p. 70.
- Circuit-controller. W. S. Henry. No. 1,224,542; May 1; v. 238; p. 153.
- Circuit-controller. W. K. Howe. (Reissue.) No. 14,310; June 5; v. 239; p. 281.
- Circuit-controller. C. J. Klein. No. 1,222,215; Apr. 10; v. 237; p. 456.
- Circuit-controller. G. C. Knauff. No. 1,231,268; June 26; v. 239; p. 1093.
- Circuit-controller. R. H. Manson. No. 1,215,566; Feb. 13; v. 235; p. 415.
- Circuit-controller. W. C. Reed. No. 1,243,221; Oct. 16; v. 243; p. 630.
- Circuit-controller. A. Simon. No. 1,245,627; Nov. 6; v. 244; p. 147.
- Circuit-controller. F. B. Wiegand. No. 1,233,531; July 17; v. 240; p. 726.
- Circuit-controller, Coin-controlled. V. R. Bacon. No. 1,244,408; Oct. 23; v. 243; p. 1024.
- Circuit-controlling device. T. E. Clark and E. A. Lueky. No. 1,236,543; Aug. 14; v. 241; p. 358.
- Circuit-controlling device. H. P. Clausen. No. 1,243,261; Oct. 16; v. 243; p. 641.
- Circuit-controlling device. H. O. Rugh. No. 1,249,673; Dec. 11; v. 245; p. 390.
- Circuit-controlling device, Automatic. J. H. Kiefer. No. 1,230,172; June 19; v. 239; p. 688.
- Circuit-coupling for electrically-heated utensils. F. E. Carlson. No. 1,222,585; Apr. 10; v. 237; p. 588.
- Circuit, Duplex. L. Espenschied. No. 1,233,766; July 17; v. 240; p. 801.
- Circuit, Duplex. L. Espenschied. No. 1,233,767; July 17; v. 240; p. 801.
- Circuit, Duplex. L. Espenschied. No. 1,233,769; July 17; v. 240; p. 802.
- Circuit-extension box. C. W. Abbott, H. R. Gilson, and J. M. G. Fullman. No. 1,228,731; June 5; v. 239; p. 121.
- Circuit-indicator. W. E. Beede. No. 1,248,246; Nov. 27; v. 244; p. 1008.
- Circuit-interrupter. H. G. Baxter. No. 1,246,380; Nov. 13; v. 244; p. 401.
- Circuit-interrupter. L. W. Chubb. No. 1,236,674; Aug. 14; v. 241; p. 401.
- Circuit-interrupter. J. B. MacNeill. No. 1,241,533; Oct. 2; v. 243; p. 20.
- Circuit-interrupter. J. N. Mahoney. No. 1,224,186; May 1; v. 238; p. 25.
- Circuit-interrupter. J. N. Mahoney. No. 1,227,472; May 22; v. 238; p. 1274.
- Circuit-interrupter. J. N. Mahoney. No. 1,229,768; June 12; v. 239; p. 518.
- Circuit-interrupter. J. N. Mahoney. No. 1,241,534; Oct. 2; v. 243; p. 20.
- Circuit-interrupter. K. C. Randall. No. 1,226,114; May 15; v. 238; p. 782.
- Circuit-interrupter. K. C. Randall. No. 1,229,789; June 12; v. 239; p. 525.
- Circuit-interrupting device. C. L. Fortescue. No. 1,227,416; May 22; v. 238; p. 1255.
- Circuit-interrupting device. C. L. Fortescue. No. 1,227,417; May 22; v. 238; p. 1256.
- Circuit-interrupting means. F. E. Case. No. 1,227,385; May 22; v. 238; p. 1246.
- Circuit-interrupting system. A. L. Harvey. No. 1,221,050; Apr. 3; v. 237; p. 16.
- Circuit loading, Phantom. J. F. Baldwin, Jr. No. 1,210,884; Jan. 2; v. 234; p. 174.
- Circuit loading, Phantom. J. B. Speed. No. 1,221,238; Apr. 3; v. 237; p. 84.
- Circuit-opener, Overload. E. O. Schweitzer. No. 1,214,718; Feb. 6; v. 235; p. 84.
- Circuit-protecting apparatus. J. G. Zimmerman. No. 1,223,549; Apr. 24; v. 237; p. 993.
- Circuit-protecting device. E. O. Schweitzer and N. J. Conrad. No. 1,215,722; Feb. 13; v. 235; p. 471.
- Circuit, Thermostat-operated. W. A. Ramseur. No. 1,226,696; May 22; v. 238; p. 1014.
- Circuit-wires, Connector for. L. W. Heath. No. 1,225,127; May 8; v. 238; p. 405.

Alphabetical list of inventions—Continued.

- Circuits. Call-answering meter for cord-. R. I. Utter. No. 1,246,362; Nov. 13; v. 244; p. 396.
- Circuits. Protective system for composite. T. Shaw. No. 1,222,810; Apr. 17; v. 237; p. 707.
- Circular rotatable bodies to their shafts, Device for effecting the connection of. J. Clayton. No. 1,224,069; Apr. 24; v. 237; p. 1173.
- Cistern-cleaner. C. S. Pearce. No. 1,219,763; Mar. 20; v. 236; p. 718.
- Cistern-cleaning device. C. M. Suter. No. 1,211,785; Jan. 9; v. 234; p. 515.
- Cistern, Sanitary. J. H. Keller. No. 1,232,929; July 10; v. 240; p. 495.
- Citrate soluble phosphates, Producing. J. G. Lipman. No. 1,222,112; Apr. 10; v. 237; p. 419.
- Clam-fork. F. J. Ovens. No. 1,230,766; June 19; v. 239; p. 885.
- Clamp: See—
- | | |
|-----------------------------|---------------------------------|
| Adjustable clamp. | Meat-clamp. |
| Antiskid-device clamp. | Mattress-clamp. |
| Automobile-spring clamp. | Mirror and picture frame clamp. |
| Band-clamp. | Miter-clamp. |
| Bedclothes-clamp. | Mold-clamp. |
| Belt-clamp. | Mop-clamp. |
| Bracket-clamp. | Mud-hook clamp. |
| Brake-shoe clamp. | Oyster-clamp. |
| Buck-clamp. | Paper-holding clamp. |
| Cable-clamp. | Pipe-clamp. |
| Cable-pulling clamp. | Pipe-coupling clamp. |
| Case-clamp. | Printing-plate clamp. |
| Chair-clamp. | Pulley-clamp. |
| Clothes-line clamp. | Quilting-frame clamp. |
| Column-clamp. | Rail-clamp. |
| Column-form clamp. | Rail-joint clamp. |
| Combination-clamp. | Rod-clamp. |
| Concrete-form clamp. | Rope-clamp. |
| Coupling-clamp. | Rope or wire clamp. |
| Curtain-clamp. | Saw-clamp. |
| Electric-cable clamp. | Screw-clamp. |
| Electrical grounding-clamp. | Sewing-machine work-clamp. |
| Embroidery-frame clamp. | Skate-clamp. |
| Extension-clamp. | Staging-clamp. |
| Fence-clamp. | Suspension-clamp. |
| Fence-post-brace clamp. | Tire-clamp. |
| Fire-hose clamp. | Tire-patch clamp. |
| Fishing-float line-clamp. | Top-bow clamp. |
| Floor-clamp. | Tube-clamp. |
| Flooring-clamp. | Vise-clamp. |
| Fork-clamp. | Washboard-clamp. |
| Form-clamp. | Wheel-clamp. |
| Gas-gate-hood clamp. | Wheel and jack clamp. |
| Ground-clamp. | Wind-shield clamp. |
| Gut-clamp. | Windmill-clamp. |
| Guy-clamp. | Wire-clamp. |
| Head-clamp. | Wire coiling and binding clamp. |
| Heel-setting clamp. | Wire-fence clamp. |
| Hood-clamp. | Wire-rope clamp. |
| Hose-clamp. | Wire rope or cable clamp. |
| Insulator-clamp. | Work-clamp. |
| Joint-clamp. | Wringer-clamp. |
| Ladder-clamp. | |
| Lamp-bracket clamp. | |
| Lamp-guard clamp. | |
- Clamp. E. J. Anderson. No. 1,212,123; Jan. 9; v. 234; p. 633.
- Clamp. V. J. Da Rocha. No. 1,245,880; Nov. 6; v. 244; p. 223.
- Clamp. M. H. Gould. No. 1,240,966; Sept. 25; v. 242; p. 806.
- Clamp. F. Hachmann. No. 1,233,223; July 10; v. 240; p. 589.
- Clamp. N. C. Hansen. No. 1,222,204; Apr. 10; v. 237; p. 452.
- Clamp. E. A. Hawthorne. No. 1,239,595; Sept. 11; v. 242; p. 307.
- Clamp. E. Hakela. No. 1,220,639; Mar. 27; v. 236; p. 1064.
- Clamp. B. F. Kelley. No. 1,234,038; July 17; v. 240; p. 888.
- Clamp. W. H. McLaughlin. No. 1,247,437; Nov. 20; v. 244; p. 745.
- Clamp. A. McMurtrie. No. 1,230,742; June 19; v. 239; p. 877.
- Clamp. R. F. North and W. J. Buchner. No. 1,249,466; Dec. 11; v. 245; p. 330.
- Clamp. A. Petersen. No. 1,235,375; July 31; v. 240; p. 1377.
- Clamp. E. Phenicie. No. 1,250,003; Dec. 11; v. 245; p. 486.
- Clamp. W. A. Richardson. No. 1,243,103; Oct. 16; v. 243; p. 595.
- Clamp. W. A. Richardson. No. 1,243,104; Oct. 16; v. 243; p. 595.
- Clamp. W. A. Richardson. No. 1,243,105; Oct. 16; v. 243; p. 596.
- Clamp. W. A. Richardson. No. 1,243,106; Oct. 16; v. 243; p. 596.
- Clamp. W. A. Richardson. No. 1,243,107; Oct. 16; v. 243; p. 596.
- Clamp. W. A. Richardson. No. 1,243,108; Oct. 16; v. 243; p. 596.
- Clamp. W. A. Richardson. No. 1,243,109; Oct. 16; v. 243; p. 597.
- Clamp. H. L. Scott. No. 1,219,593; Mar. 20; v. 236; p. 659.
- Clamp. J. M. Taylor. No. 1,221,774; Apr. 3; v. 237; p. 267.
- Clamp. F. P. Tessmer. No. 1,226,029; May 15; v. 238; p. 753.
- Clamp. A. B. Underwood. No. 1,217,539; Feb. 27; v. 235; p. 1204.
- Clamp. H. G. Woodhead. No. 1,243,027; Oct. 16; v. 243; p. 571.
- Clamp and gasket. J. H. Glauber. No. 1,213,186; Jan. 23; v. 234; p. 1070.
- Clamp and hanger. E. H. Ahlander. No. 1,211,997; Jan. 9; v. 234; p. 593.
- Clamp and support, Combined. C. S. Treacy. No. 1,224,515; May 1; v. 238; p. 143.
- Clamp for advertising, manifold, and other sheets. A. F. Barker. No. 1,224,998; May 8; v. 238; p. 362.
- Clamp for top-roll covers. C. Cartier. No. 1,228,745; June 5; v. 239; p. 127.
- Clamp-type terminal. H. C. Nagel. No. 1,248,528; Dec. 4; v. 245; p. 28.
- Clamping appliance. P. and C. R. Dosch. No. 1,214,521; Feb. 6; v. 235; p. 13.
- Clamping device. A. W. Farr. No. 1,218,752; Mar. 13; v. 236; p. 339.
- Clamping device. B. J. Hudson. No. 1,241,629; Oct. 2; v. 243; p. 52.
- Clamping device. G. C. Kinsfather. No. 1,229,093; June 5; v. 239; p. 241.
- Clamping device. W. M. Stump. No. 1,248,199; Nov. 27; v. 244; p. 995.
- Clamping mechanism. W. T. Sears. (Reissue). No. 14,263; Feb. 20; v. 235; p. 1020.
- Clarifier. O. M. Nilson. No. 1,234,202; July 24; v. 240; p. 978.
- Clarifier, Centrifugal. L. G. Camp. No. 1,230,560; June 19; v. 239; p. 817.
- Clasp: See—
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|---------------------------|-----------------------|
| Bag-clasp. | Hose-supporter clasp. |
| Belt-clasp. | Jewelry-clasp. |
| Book-clasp. | Lace-clasp. |
| Buckle-clasp. | Lingerie-clasp. |
| Button-clasp. | Necktie-clasp. |
| Cuff-clasp. | Securing-clasp. |
| Film-clasp. | Spectacle-case clasp. |
| Garment-clasp. | Spring-clasp. |
| Garment-supporting clasp. | Tie-clasp. |
| Hat-pin clasp. | Veil-clasp. |
| Hose-clasp. | |
- Clasp. C. A. Gooney. No. 1,229,942; June 12; v. 239; p. 575.
- Clasp. E. F. Herschede. No. 1,225,710; May 8; v. 238; p. 601.
- Clasp. R. C. Idone. No. 1,249,406; Dec. 11; v. 245; p. 313.
- Clasp. J. Kahn. No. 1,221,996; Apr. 10; v. 237; p. 380.
- Clasp. T. R. Kilkenny. No. 1,214,794; Feb. 6; v. 235; p. 108.
- Clasp. C. A. Latons. No. 1,233,255; July 10; v. 240; p. 598.
- Clasp. N. M. Lauletta. No. 1,226,540; May 15; v. 238; p. 924.
- Clasp. T. Z. Mally. No. 1,229,198; June 5; v. 239; p. 277.
- Clasp. H. R. Matthei. No. 1,229,199; June 5; v. 239; p. 277.
- Clasp. C. E. Melhope, H. R. Matthei, and T. Z. Mally. No. 1,229,200; June 5; v. 239; p. 277.
- Clasp. M. C. Raikes. No. 1,219,043; Mar. 13; v. 236; p. 441.
- Clasp. E. J. Swedlund. No. 1,232,733; July 10; v. 240; p. 430.
- Clasp. A. T. Van Alstyn. No. 1,245,070; Oct. 30; v. 243; p. 1262.
- Clasp-brake. W. C. Hedgecock. No. 1,223,973; Apr. 24; v. 237; p. 1141.
- Clasp-fastener. F. J. Anderson. No. 1,221,011; Apr. 3; v. 237; p. 3.
- Clasp for garters, wrist-bracelets, &c. A. G. Planchenault. No. 1,246,654; Nov. 13; v. 244; p. 483.
- Clasp for scarfs, &c. F. A. Fuller and J. Schroeder. No. 1,219,719; Mar. 20; v. 236; p. 704.
- Classifier. J. S. Bartley. No. 1,240,923; Sept. 25; v. 242; p. 794.
- Claw-movement, Intermittent. W. Wenderhold. No. 1,246,198; Nov. 13; v. 244; p. 345.
- Clay and kaolin by elutriation, Treatment of. B. Schwerin. No. 1,233,713; July 17; v. 240; p. 785.
- Clay and other silicious and aluminous earths and ores, Purifying. F. Langford. No. 1,251,057; Dec. 25; v. 245; p. 888.
- Clay-feeder. A. O. Dupuy. No. 1,238,117; Aug. 28; v. 241; p. 934.
- Clay, &c., Process and apparatus for refining. S. A. W. Ockell. No. 1,222,979; Apr. 17; v. 237; p. 763.
- Clay products, Apparatus for cutting. D. Brown. No. 1,245,432; Nov. 6; v. 244; p. 86.
- Clay ribbons, Machine for roughening. C. J. Barnett. No. 1,221,014; Apr. 3; v. 237; p. 4.

- Clean-out fitting. M. McGlone. No. 1,213,221; Jan. 23; v. 234; p. 1083.
 Cleaner. *See*—
 Automobile - wind - shield Irrigation-ditch cleaner.
 cleaner. Kitchen-utensil cleaner.
 Barn-cleaner. • Phonograph-record cleaner.
 Belt-cleaner. Picture-film cleaner.
 Boiler-cleaner. Pipe-cleaner.
 Boiler-tube cleaner. Pipe-bowl cleaner.
 Burner-tube cleaner. Pneumatic cleaner.
 Carpet-cleaner. Railway-track cleaner.
 Chimney-cleaner. Raisin and like cleaner.
 Cistern-cleaner. Rake-cleaner.
 Clothes-line cleaner. Rolling-mill groove-cleaner.
 Comb-cleaner. Seed-cleaner.
 Concrete-cleaner. Sewer-cleaner.
 Cotton-cleaner. Shoe-cleaner.
 Cuspidor-cleaner. Sliver-cleaner.
 Ditch-cleaner. Spittoon-cleaner.
 Floor-cleaner. Stack-cleaner.
 Flue-cleaner. Stovepipe-cleaner.
 Grain-cleaner. Street-cleaner.
 Grate-cleaner. Suction-cleaner.
 Gun-cleaner. Tube-cleaner.
 Hair-cleaner. Vacuum-cleaner.
 Harrow-cleaner. Wind-shield cleaner.
 Hay-sweep cleaner. Window-cleaner.
 Cleaner. F. M. Case. (Reissue.) No. 14,383; Oct. 23; v. 243; p. 1041.
 Cleaner. M. M. Enders. No. 1,234,452; July 24; v. 240; p. 1060.
 Cleaner. H. E. Hoover. No. 1,227,142; May 22; v. 238; p. 1168.
 Cleaner and scaldier. J. C. McIntyre. No. 1,222,008; Apr. 10; v. 237; p. 383.
 Cleaning and polishing composition. L. R. Hanavan. No. 1,235,136; July 31; v. 240; p. 1306.
 Cleaning and polishing composition. R. L. Mainwaring. No. 1,239,416; Sept. 4; v. 242; p. 222.
 Cleaning and polishing liquid for varnished surfaces and making same. G. D. Beymer. No. 1,218,163; Mar. 6; v. 236; p. 95.
 Cleaning apparatus. M. Peña and P. Cruz. No. 1,231,936; July 3; v. 240; p. 134.
 Cleaning apparatus. J. M. Wilson. No. 1,243,472; Oct. 16; v. 243; p. 703.
 Cleaning appliance. Domestic. C. H. Roth. No. 1,212,815; Jan. 16; v. 234; p. 909.
 Cleaning compounds, Making. A. W. Bishop. No. 1,212,442; Jan. 16; v. 234; p. 777.
 Cleaning device. A. B. Beitman. No. 1,248,795; Dec. 4; v. 245; p. 110.
 Cleaning device. L. L. Ferguson. No. 1,239,581; Sept. 11; v. 242; p. 303.
 Cleaning device. W. F. Nehr. No. 1,220,531; Mar. 27; v. 236; p. 1027.
 Cleaning device. J. H. Pearman. No. 1,217,054; Feb. 20; v. 235; p. 988.
 Cleaning device. P. J. Shampay. No. 1,217,352; Feb. 27; v. 235; p. 1135.
 Cleaning device. A. H. Smith and M. Blanch. No. 1,227,682; May 29; v. 238; p. 1375.
 Cleaning device, Rotary. F. A. James. No. 1,236,307; Aug. 7; v. 241; p. 249.
 Cleaning device, Suction. W. V. Orr. No. 1,210,523; Jan. 2; v. 234; p. 50.
 Cleaning device, Suction. W. V. Orr. No. 1,210,524; Jan. 2; v. 234; p. 50.
 Cleaning device, Suction. W. V. Orr. No. 1,210,525; Jan. 2; v. 234; p. 51.
 Cleaning-machine. V. B. Chamberlain. No. 1,215,482; Feb. 13; v. 235; p. 382.
 Cleaning-machine, Suction. D. P. Moore and S. B. Pack. No. 1,237,675; Aug. 21; v. 241; p. 761.
 Cleanser. E. E. Graffey. No. 1,214,025; Jan. 30; v. 234; p. 1391.
 Cleat. W. F. Fraser. No. 1,231,725; July 3; v. 240; p. 65.
 Clevis. P. D. Burke. No. 1,233,549; July 17; v. 240; p. 732.
 Clevis. C. L. Burns. No. 1,218,926; Mar. 13; v. 236; p. 401.
 Clevis. M. B. Cunningham. No. 1,218,527; Mar. 6; v. 236; p. 220.
 Clevis. C. L. Kissinger. No. 1,210,814; Jan. 2; v. 234; p. 150.
 Clevis. W. A. Paul. No. 1,243,972; Oct. 23; v. 243; p. 893.
 Clevis attachment for plows. F. G. Holcomb. No. 1,220,225; Mar. 27; v. 236; p. 918.
 Clevis for agricultural implements, Adjustable. E. J. Ratekin. No. 1,222,580; Apr. 10; v. 237; p. 586.
 Clevis for road-scraper. S. C. Ledbetter. No. 1,214,330; Jan. 30; v. 234; p. 1496.
 Clevis-protector. S. W. Williams. No. 1,213,720; Jan. 23; v. 234; p. 1255.
 Climber for linemen. H. E. Marshall. No. 1,243,436; Oct. 16; v. 243; p. 694.
 Climber, Pole. C. Winter. No. 1,234,596; July 24; v. 240; p. 1105.
 Climbing harness. C. Winter. No. 1,229,003; June 5; v. 239; p. 212.
 Climbout and shovel. S. H. Hegnbottom. No. 1,218,767; Mar. 13; v. 236; p. 344.
 Clinker-grinder. L. Johnson. No. 1,234,904; July 31; v. 240; p. 1235.
 Clip. *See*—
 Angling-clip. Pen or pencil clip.
 Article-holding clip. Pencil-clip.
 Bar and wire-rope clip. Plaster - board - supporting
 Battery-clip. metal clip.
 Book-marker clip. Rail-clip.
 Detector-bar clip. Repair-clip.
 Fishpole-clip. Resilient holding-clip.
 Fuse-clip. Spring-clip.
 Holding-clip. Spring-lubricating clip.
 Lens-clip. Swingletree-clip.
 Paper-clip. Test-clip.
 Paper-holding clip. Tie-clip clip.
 Pen-clip. Wire-securing clip.
 Pen and pencil clip. Yoke-clip.
 Clip. L. S. Brockway. No. 1,225,921; May 15; v. 238; p. 716.
 Clip device or fastener. J. F. Ferry. No. 1,247,099; Nov. 20; v. 244; p. 649.
 Clip for securing sheet-metal plates. W. G. Patridis. No. 1,251,274; Dec. 25; v. 245; p. 951.
 Clip-tag. A. T. Van Alstyn. No. 1,226,281; May 15; v. 238; p. 843.
 Clips, Extension attachment for testing-. H. Frankel. No. 1,221,524; Apr. 3; v. 237; p. 184.
 Clipper. C. E. Ard. No. 1,211,273; Jan. 2; v. 234; p. 310.
 Clipper. B. Guerrero, J. R. Viosca, and A. R. Gaxiola. No. 1,232,291; July 3; v. 240; p. 253.
 Cloak, Waterproof. F. W. Howard. No. 1,229,270; June 12; v. 239; p. 350.
 Clock. F. Bangerter. No. 1,211,383; Jan. 9; v. 234; p. 379.
 Clock. H. C. Korfhage. No. 1,219,749; Mar. 20; v. 236; p. 713.
 Clock. C. E. O'Keenan. No. 1,218,692; Mar. 13; v. 236; p. 315.
 Clock. C. L. Redfield and T. Ross. No. 1,226,810; May 22; v. 238; p. 1054.
 Clock, Alarm-. E. T. Lewis. No. 1,245,245; Nov. 6; v. 244; p. 31.
 Clock, Alarm-. D. G. Meikle. No. 1,228,039; May 29; v. 238; p. 1498.
 Clock, Alarm-. W. E. Porter. No. 1,240,482; Sept. 18; v. 242; p. 624.
 Clock, Alarm-. W. E. Porter. No. 1,240,483; Sept. 18; v. 242; p. 625.
 Clock, Alarm-. W. E. Porter. No. 1,240,484; Sept. 18; v. 242; p. 625.
 Clock, Alarm-. J. S. Trane. No. 1,234,829; July 31; v. 240; p. 1210.
 Clock and attachment therefor, Alarm-. J. Stewart. No. 1,217,523; Feb. 27; v. 235; p. 1198.
 Clock and fire-signal, Combined alarm-. J. Stevens. No. 1,240,618; Sept. 18; v. 242; p. 664.
 Clock and home savings-bank, Combination. E. A. Klages. No. 1,216,138; Feb. 13; v. 235; p. 622.
 Clock attachment for electric thermostats. F. S. Denison. No. 1,228,757; June 5; v. 239; p. 130.
 Clock-bank arrangement. H. J. McDonald. No. 1,251,396; Dec. 25; v. 245; p. 987.
 Clock, Chime-. T. W. Shepherd. No. 1,227,555; May 22; v. 238; p. 1302.
 Clock, Chiming-. C. A. Jacques. No. 1,220,851; Mar. 27; v. 236; p. 1137.
 Clock, Compass-. F. R. Greene. No. 1,217,937; Mar. 6; v. 236; p. 18.
 Clock, Electric. J. G. Blessing. No. 1,217,557; Feb. 27; v. 235; p. 1210.
 Clock, Electric. J. G. Blessing. No. 1,250,782; Dec. 18; v. 245; p. 757.
 Clock, Electric. G. Blumberg and J. A. Butkus. No. 1,242,132; Oct. 9; v. 243; p. 251.
 Clock, Electric. G. Blumberg and J. A. Butkus. No. 1,244,164; Oct. 23; v. 243; p. 950.
 Clock, Electric. E. Kling-Müller. No. 1,239,507; Sept. 11; v. 242; p. 279.
 Clock, Electric. W. E. Porter. No. 1,228,819; June 5; v. 239; p. 151.
 Clock, Electric automobile-. W. H. Thompson. No. 1,241,055; Sept. 25; v. 242; p. 834.
 Clock, Electric self-winding. E. A. Hummel. No. 1,217,310; Feb. 27; v. 235; p. 1121.
 Clock, Electric self-winding. W. H. Kallenbach and C. C. Bertsch. No. 1,219,108; Mar. 13; v. 236; p. 462.
 Clock key, Watchman's-. A. J. Baldwin. No. 1,238,706; Aug. 28; v. 241; p. 1122.
 Clock key, Watchman's-. C. M. Peabody. No. 1,234,208; July 24; v. 240; p. 980.
 Clock, Keyless. W. J. Smith. No. 1,226,402; May 15; v. 238; p. 881.
 Clock, Master-. H. Abe. No. 1,245,654; Nov. 6; v. 244; p. 156.
 Clock-movement-controlling mechanism. L. Ericson. No. 1,223,778; Apr. 24; v. 237; p. 1075.
 Clock-movements, Hammer-wire and hub therefor for. E. Muckle. No. 1,213,234; Jan. 23; v. 234; p. 1087.
 Clock, Program-. A. P. Honey. No. 1,237,517; Aug. 21; v. 241; p. 710.
 Clock, Program-. W. A. Nichols. No. 1,248,419; Nov. 27; v. 244; p. 1057.

- Clock, Reminder-. A. Y. Darche, No. 1,233,559; July 17; v. 240; p. 735.
- Clock, Secondary. L. O. Beard. No. 1,251,171; Dec. 25; v. 245; p. 922.
- Clock, Self-leveling. J. A. Pixler. No. 1,216,727; Feb. 20; v. 235; p. 878.
- Clock, Self-winding. C. E. Oeth. No. 1,237,216; Aug. 14; v. 241; p. 574.
- Clock, Stereopticon advertising-. G. Willens. No. 1,218,607; Mar. 6; v. 236; p. 248.
- Clock, Tubular chime-. J. R. Putnam. No. 1,225,489; May 8; v. 238; p. 528.
- Clock, Watchman's. F. Hardinge. No. 1,223,581; Apr. 24; v. 237; p. 1004.
- Clock, Watchman's. K. Oswald. No. 1,239,812; Sept. 11; v. 242; p. 377.
- Clock, Watchman's recording-. I. A. Herrmann. No. 1,231,350; June 26; v. 239; p. 1120.
- Clocks and watches, Center-friction for. W. E. Porter. No. 1,241,148; Sept. 25; v. 242; p. 863.
- Clocks and watches, Escapement for. J. H. Greeley. No. 1,232,285; July 3; v. 240; p. 251.
- Clocks, Self-winding means for. P. Wickes. No. 1,236,799; Aug. 14; v. 241; p. 444.
- Clocks, Synchronizing mechanism for chime-. W. J. Herschede and C. Cohan. No. 1,229,454; June 12; v. 239; p. 413.
- Clocks, Tripping attachment for. D. H. and T. H. Tillery. No. 1,214,843; Feb. 6; v. 235; p. 124.
- Clod-crusher. F. R. Smidley. No. 1,217,228; Feb. 27; v. 235; p. 1093.
- Clod-crusher and scrub-cutter, Combined. W. H. Tracy. No. 1,222,696; Apr. 17; v. 237; p. 668.
- Clod-fender. G. G. Lockwood. No. 1,246,442; Nov. 13; v. 244; p. 419.
- Closet; *See* -
 Dry closet. Sanitary closet.
 Earth-closet. Water-closet.
- Closet attachment. C. W. Macy. No. 1,218,882; Mar. 13; v. 236; p. 387.
- Closet attachment. C. W. Macy. No. 1,241,231; Sept. 25; v. 242; p. 889.
- Closet attachment. C. W. Macy. No. 1,241,232; Sept. 25; v. 242; p. 889.
- Closet-bowl. G. L. Camfield and J. D. Whalen. No. 1,232,767; July 10; v. 240; p. 442.
- Closet-bowl. G. S. Vampa. No. 1,239,319; Sept. 4; v. 242; p. 192.
- Closet-bowl and cover mount. A. E. Stringer. No. 1,212,280; Jan. 16; v. 234; p. 721.
- Closet-bowls, Clean-out means for. J. L. Reichert. No. 1,235,160; July 31; v. 240; p. 1313.
- Closet-bowls, Gas joint or seal for. J. R. Williams. No. 1,236,129; Aug. 7; v. 241; p. 193.
- Closet equipment, Clothes-. L. C. Hunter. No. 1,228,560; June 5; v. 239; p. 63.
- Closet-fixture. G. H. Wheary. No. 1,235,267; July 31; v. 240; p. 1345.
- Closet-tank flush-valve. G. V. Toman. No. 1,223,534; Apr. 24; v. 237; p. 989.
- Closing-machine. W. C. Buhles. No. 1,227,244; May 22; v. 238; p. 1202.
- Closure. H. M. Epstein. No. 1,222,373; Apr. 10; v. 237; p. 512.
- Closure. W. A. Gill. No. 1,247,391; Nov. 20; v. 244; p. 751.
- Closure. J. A. Power. No. 1,223,106; Apr. 17; v. 237; p. 808.
- Closure. H. E. Townsend. No. 1,231,099; June 26; v. 239; p. 1038.
- Closure. J. F. Wilhelm. No. 1,222,832; Apr. 17; v. 237; p. 714.
- Closure-applying machine. O. N. Tevander. No. 1,219,791; Mar. 20; v. 236; p. 728.
- Closure device. T. H. Bennis. No. 1,250,081; Dec. 11; v. 245; p. 508.
- Closure, Locking-. H. W. and T. J. Lee and C. M. Sims. No. 1,239,704; Sept. 11; v. 242; p. 343.
- Closure-retaining device. L. D. Malone and H. E. Hubbs. No. 1,211,470; Jan. 9; v. 234; p. 408.
- Closure, Shiftable. T. C. Spelling. No. 1,249,541; Dec. 11; v. 245; p. 352.
- Closures, Holder for swinging. O. C. Rixson. No. 1,221,474; Apr. 3; v. 237; p. 165.
- Closures, Making. N. M. La Porte. No. 1,227,160; May 22; v. 238; p. 1175.
- Closures, Operating structure for. C. B. Mattson. No. 1,241,538; Oct. 2; v. 243; p. 21.
- Cloth. H. C. Gundlach. No. 1,249,950; Dec. 11; v. 245; p. 472.
- Cloth-bolt press. F. E. Morey. No. 1,230,200; June 19; v. 239; p. 697.
- Cloth-bolts, Winding-core for. F. E. Morey. No. 1,233,800; July 17; v. 240; p. 812.
- Cloth-cleaning device. C. B. Twyford. No. 1,224,581; May 1; v. 238; p. 167.
- Cloth crabbing and extracting machine, Suction-box for. E. H. Reynold. No. 1,236,359; Aug. 7; v. 241; p. 264.
- Cloth-cutters, Presser-foot for. J. B. Gury. No. 1,233,872; July 17; v. 240; p. 836.
- Cloth-cutting machine. O. I. Judelsohn. No. 1,242,448; Oct. 9; v. 243; p. 351.
- Cloth-cutting machine. J. Leatham. No. 1,211,185; Jan. 2; v. 234; p. 277.
- Cloth-cutting machine. A. Rubin. No. 1,228,826; June 5; v. 239; p. 154.
- Cloth-cutting machine. T. Shingler. No. 1,218,007; Mar. 6; v. 236; p. 41.
- Cloth-cutting machine, Electric. A. P. Komow. No. 1,244,055; Oct. 23; v. 243; p. 918.
- Cloth-cutting machines, Construction of electrically-driven-. M. Arendt. No. 1,221,409; Apr. 3; v. 237; p. 144.
- Cloth-cutting machines, Lamp-support and terminal for. W. J. Marshall. No. 1,230,311; June 19; v. 239; p. 734.
- Cloth-cutting mechanism. M. Siegel. No. 1,235,847; Aug. 7; v. 241; p. 104.
- Cloth-distributor. G. W. French, Jr. No. 1,232,017; July 3; v. 240; p. 162.
- Cloth-fold protector. J. McKendrick. No. 1,242,709; Oct. 9; v. 243; p. 435.
- Cloth folding and winding machine. C. Buhl. No. 1,216,280; Feb. 20; v. 235; p. 722.
- Cloth-hanger. J. V. Hayes. No. 1,250,453; Dec. 18; v. 245; p. 659.
- Cloth-laying machine. J. H. Cutter. No. 1,246,558; Nov. 13; v. 244; p. 454.
- Cloth measuring and folding machine. J. T. Tullis. No. 1,238,961; Sept. 4; v. 242; p. 77.
- Cloth-piler. J. S. Johnston. No. 1,224,550; May 1; v. 238; p. 156.
- Cloth-pressing machine. F. S. Sparks. No. 1,241,653; Oct. 30; v. 243; p. 1136.
- Cloth, Soaping. A. Butterworth. No. 1,235,183; July 31; v. 240; p. 1320.
- Cloth-sponging machine. H. Guttridge. No. 1,218,646; Mar. 13; v. 236; p. 299.
- Cloth spreader or expander. A. Isherwood. No. 1,233,059; July 10; v. 240; p. 536.
- Cloth-testing machine. J. A. Ayer. No. 1,231,231; June 26; v. 239; p. 1081.
- Cloth-unrolling device. H. L. Rosenthal. No. 1,238,571; Aug. 28; v. 241; p. 1083.
- Cloth-winding machine. J. W. Schwartz. No. 1,222,038; Apr. 10; v. 237; p. 393.
- Clothes-bag. L. Rosenfeld. No. 1,245,868; Feb. 13; v. 235; p. 523.
- Clothes-boiler. M. Blum. No. 1,235,101; July 31; v. 240; p. 1296.
- Clothes-boiler. S. Haluska. No. 1,239,686; Sept. 11; v. 242; p. 337.
- Clothes-boiler. J. Skagen. No. 1,243,563; Oct. 16; v. 243; p. 731.
- Clothes-drainer. J. P. Sundin. No. 1,238,954; Sept. 4; v. 242; p. 75.
- Clothes-drier. V. S. Comins. No. 1,246,884; Nov. 20; v. 244; p. 587.
- Clothes-drier. H. B. Frutchey. No. 1,244,314; Oct. 23; v. 243; p. 996.
- Clothes-drier. F. A. Humpidge. No. 1,220,514; Mar. 27; v. 236; p. 1021.
- Clothes-drier. J. Kramer. No. 1,214,182; Jan. 30; v. 234; p. 1442.
- Clothes-drier. J. H. Neef. No. 1,250,626; Dec. 18; v. 245; p. 711.
- Clothes-drier. D. H. Payne and E. C. Woodworth. No. 1,222,242; Apr. 10; v. 237; p. 466.
- Clothes-drier. J. F. Scheidt. No. 1,232,982; July 10; v. 240; p. 511.
- Clothes-drier, Suspended. M. B. Halliday. No. 1,210,932; Jan. 2; v. 234; p. 191.
- Clothes-drying rack. E. H. Barton. No. 1,230,265; June 19; v. 239; p. 719.
- Clothes-drying tumbler-machine. W. Dohn. No. 1,247,798; Nov. 27; v. 244; p. 884.
- Clothes fastener and protector. L. Baganz. No. 1,228,870; June 5; v. 239; p. 170.
- Clothes-hanger. M. S. Cotton. No. 1,235,443; July 31; v. 240; p. 1397.
- Clothes-hanger. W. H. Maynard. No. 1,223,998; Apr. 24; v. 237; p. 1149.
- Clothes-hanger. A. L. Steig. No. 1,214,606; Feb. 6; v. 235; p. 44.
- Clothes-hanger. O. M. Sword. No. 1,231,452; June 26; v. 239; p. 1155.
- Clothes-hanger. E. P. Vincent. No. 1,248,577; Dec. 4; v. 245; p. 45.
- Clothes-lifter. J. H. Miskinen. No. 1,228,945; June 5; v. 239; p. 192.
- Clothes-line. C. E. Anderson. No. 1,220,713; Mar. 27; v. 236; p. 1088.
- Clothes-line. A. H. Feldt. No. 1,246,406; Nov. 13; v. 244; p. 408.
- Clothes-line. L. C. Irvin. No. 1,214,469; Jan. 30; v. 234; p. 1541.
- Clothes-line. E. V. Page. No. 1,226,583; May 15; v. 238; p. 937.
- Clothes-line and clothes-pin construction, Combination. J. E. Heasley. No. 1,211,312; Jan. 2; v. 234; p. 321.
- Clothes-line clamp. M. R. Freeberg. No. 1,249,371; Dec. 11; v. 245; p. 303.
- Clothes-line clamp. E. R. Huntley. No. 1,249,405; Dec. 11; v. 245; p. 313.
- Clothes-line cleaner. S. E. Tallaksen. No. 1,219,051; Mar. 13; v. 236; p. 443.
- Clothes line hanger. L. Schwartz and L. Liebman. No. 1,251,119; Dec. 25; v. 245; p. 906.
- Clothes-line prop. J. C. Stillman. No. 1,246,676; Nov. 13; v. 244; p. 489.

- Clothes-line prop. P. Weber. No. 1,211,261; Jan. 2; v. 234; p. 305.
- Clothes-line-prop attachment. H. E. Rice. No. 1,238,700; Aug. 28; v. 241; p. 1120.
- Clothes-line puller, Pulley-. A. W. Hilding. No. 1,234,475; July 24; v. 240; p. 1068.
- Clothes-line reel. G. E. Alexander. No. 1,246,883; Nov. 20; v. 244; p. 571.
- Clothes-line reel. J. Carlson. No. 1,225,766; May 15; v. 238; p. 664.
- Clothes-line reel. W. S. Hance. No. 1,232,299; July 3; v. 240; p. 255.
- Clothes-line reel. E. J. Madden. No. 1,235,219; July 31; v. 240; p. 1331.
- Clothes-line reel. W. E. Pratt. No. 1,244,445; Oct. 23; v. 243; p. 1034.
- Clothes-line stretcher. M. Smolik. No. 1,249,228; Dec. 4; v. 245; p. 232.
- Clothes-line support. A. G. J. Jacobsen and A. Blaser. No. 1,232,317; July 3; v. 240; p. 261.
- Clothes-line support. W. Mack. No. 1,235,352; July 31; v. 240; p. 1371.
- Clothes-line support. C. E. Niles. No. 1,217,336; Feb. 27; v. 235; p. 1129.
- Clothes-line support. E. E. Robinson. No. 1,242,867; Oct. 9; v. 243; p. 486.
- Clothes-line support. W. J. White. No. 1,251,149; Dec. 25; v. 245; p. 915.
- Clothes-line support. A. and W. J. Zeller. No. 1,241,892; Oct. 2; v. 243; p. 136.
- Clothes-line-supporting device. J. Lutz. No. 1,230,186; June 19; v. 239; p. 693.
- Clothes-line suspension. F. A. Schureman and W. J. Kelly. No. 1,248,173; Nov. 27; v. 244; p. 988.
- Clothes-line tightener. C. T. Hicks. No. 1,250,876; Dec. 18; v. 245; p. 785.
- Clothes-line tightener. W. L. May. No. 1,248,367; Nov. 27; v. 244; p. 1043.
- Clothes-line, Machine for making pinless. A. J. Mason. No. 1,224,767; May 1; v. 238; p. 232.
- Clothes-locker. J. C. Bush. No. 1,249,594; Dec. 11; v. 245; p. 367.
- Clothes-pin. F. Anderson. No. 1,233,294; July 17; v. 240; p. 647.
- Clothes-pin. G. F. E. Anderson. No. 1,237,856; Aug. 21; v. 241; p. 817.
- Clothes-pin. N. Bayuk. No. 1,220,714; Mar. 27; v. 236; p. 1089.
- Clothes-pin. T. Bowman. No. 1,234,125; July 24; v. 240; p. 952.
- Clothes-pin. W. A. Boynton. No. 1,225,568; May 8; v. 238; p. 555.
- Clothes-pin. A. F. Ensey. No. 1,245,892; Nov. 6; v. 244; p. 227.
- Clothes-pin. J. B. Guckeen, Jr. No. 1,234,754; July 31; v. 240; p. 1189.
- Clothes-pin. L. Hamm. No. 1,231,016; June 26; v. 239; p. 1009.
- Clothes-pin. J. W. Hicks. No. 1,225,630; May 8; v. 238; p. 575.
- Clothes-pin. V. D. Hillman. No. 1,242,804; Oct. 9; v. 243; p. 465.
- Clothes-pin. J. Mattson and J. O'Brien. No. 1,223,710; Apr. 24; v. 237; p. 1050.
- Clothes-pin. A. C. McKinney. No. 1,229,632; June 12; Gaz. vol. 239; p. 474.
- Clothes-pin. G. G. Melhart. No. 1,245,756; Nov. 6; v. 244; p. 185.
- Clothes-pin. E. S. Mitchell. No. 1,211,211; Jan. 2; v. 234; p. 287.
- Clothes-pin. S. A. Speas. No. 1,246,485; Nov. 13; v. 244; p. 433.
- Clothes-pin bag. E. Norman. No. 1,239,298; Sept. 4; v. 242; p. 186.
- Clothes-pin holder. J. S. Reesman. No. 1,214,367; Jan. 30; v. 234; p. 1508.
- Clothes pin or retainer. T. M. Price and J. W. Tillman. No. 1,239,962; Sept. 11; v. 242; p. 425.
- Clothes-pin, Wire. H. G. Hanson. No. 1,250,308; Dec. 18; v. 245; p. 616.
- Clothes-pin, Wire. A. I. Zirkle. No. 1,222,510; Apr. 10; v. 237; p. 560.
- Clothes pole and line, Combined. C. W. Walker. No. 1,228,081; May 29; v. 238; p. 1512.
- Clothes-pounder. S. G. Bergh. No. 1,233,639; July 17; v. 240; p. 763.
- Clothes-pounder. A. Troy and E. M. Leonnig. No. 1,216,519; Feb. 20; v. 235; p. 806.
- Clothes-pounder. J. Zimmermann. No. 1,211,521; Jan. 9; v. 234; p. 425.
- Clothes-pressing apparatus. D. H. Benjamin and B. W. Brockett. No. 1,230,984; June 26; v. 239; p. 998.
- Clothes-pressing apparatus. E. A. Herr. No. 1,215,655; Feb. 13; v. 235; p. 449.
- Clothes-pressing machine. D. H. Benjamin. No. 1,218,609; Mar. 6; v. 236; p. 249.
- Clothes-rack. M. J. Charlier. No. 1,248,615; Dec. 4; v. 245; p. 56.
- Clothes-rack. E. M. Flanegin. No. 1,250,833; Dec. 18; v. 245; p. 773.
- Clothes-rack. M. J. Leabo. No. 1,241,746; Oct. 2; v. 243; p. 89.
- Clothes-rack. J. K. McAfee. No. 1,215,175; Feb. 6; v. 235; p. 241.
- Clothes-rack. J. W. Price. No. 1,243,216; Oct. 16; v. 243; p. 629.
- Clothes-rack. S. T. Ronda. No. 1,238,824; Sept. 4; v. 242; p. 33.
- Clothes-rack. J. V. Thompson. No. 1,219,885; Mar. 20; v. 236; p. 761.
- Clothes-rack, Folding. W. H. Saladee. No. 1,236,212; Aug. 7; v. 241; p. 221.
- Clothes-receptacle. E. P. Lenahan. No. 1,247,294; Nov. 20; v. 244; p. 704.
- Clothes-reel. C. J. Gauss. No. 1,220,215; Mar. 27; v. 236; p. 914.
- Clothes-retainer. G. H. Wheary. No. 1,243,785; Oct. 23; v. 243; p. 836.
- Clothes rinsing and draining device. R. Gosman. No. 1,214,297; Jan. 30; v. 234; p. 1485.
- Clothes-stick. S. La Point. No. 1,225,043; May 8; v. 238; p. 377.
- Clothes-washer. W. F. Masters. No. 1,231,631; July 3; v. 240; p. 31.
- Clothes-wringer. H. Budd. No. 1,215,339; Feb. 13; v. 235; p. 332.
- Clothes-wringer. J. F. Hemenway. No. 1,211,701; Jan. 9; v. 234; p. 486.
- Clothes-wringer. J. F. Hemenway. No. 1,220,120; Mar. 20; v. 236; p. 845.
- Clothes-wringer. J. F. Hemenway. No. 1,220,121; Mar. 20; v. 236; p. 846.
- Clothes-wringer. J. F. Hemenway. No. 1,226,331; May 15; v. 238; p. 859.
- Clothes-wringer. N. P. Lauritzen. No. 1,229,626; June 12; v. 239; p. 472.
- Clothes-wringer. H. Pletsch. No. 1,216,490; Feb. 20; v. 235; p. 797.
- Clothes-wringer. P. H. Schendler. No. 1,230,228; June 19; v. 239; p. 707.
- Clothes-wringer. E. B. Stocking. No. 1,247,894; Nov. 27; v. 244; p. 911.
- Clothes-wringer. E. B. Stocking. No. 1,251,301; Dec. 25; v. 245; p. 960.
- Clothing. Material used in the manufacture of articles of. R. B. Price and T. Whittelsey. No. 1,245,268; Nov. 6; v. 244; p. 38.
- Club. J. P. Arnett and J. T. Fairchild. No. 1,240,005; Sept. 11; v. 242; p. 438.
- Cluster-top. A. L. Eliasoff and C. Birnbaum. No. 1,238,721; Aug. 28; v. 241; p. 1127.
- Clutch. G. L. Ballard. No. 1,224,997; May 8; v. 238; p. 361.
- Clutch. E. W. Brackett. No. 1,219,698; Mar. 20; v. 236; p. 696.
- Clutch. W. C. Brinton, Jr. No. 1,238,098; Aug. 28; v. 241; p. 927.
- Clutch. L. J. Campbell. No. 1,245,315; Nov. 6; v. 244; p. 52.
- Clutch. W. F. Conklin. No. 1,215,779; Feb. 13; v. 235; p. 491.
- Clutch. G. W. and R. Conner. No. 1,228,411; June 5; v. 239; p. 13.
- Clutch. F. M. Conwell. No. 1,220,320; Mar. 27; v. 236; p. 953.
- Clutch. E. H. Cooper. No. 1,217,569; Feb. 27; v. 235; p. 1214.
- Clutch. P. Dignan. No. 1,240,829; Sept. 25; v. 242; p. 763.
- Clutch. J. F. Dornfeld. No. 1,233,561; July 17; v. 240; p. 736.
- Clutch. P. Fichter. No. 1,215,513; Feb. 13; v. 235; p. 394.
- Clutch. W. G. Fording. No. 1,235,561; Aug. 7; v. 241; p. 10.
- Clutch. W. A. Heaney. No. 1,248,109; Nov. 27; v. 244; p. 969.
- Clutch. W. A. Heaney. No. 1,248,110; Nov. 27; v. 244; p. 970.
- Clutch. H. T. Herr. No. 1,245,718; Nov. 6; v. 244; p. 174.
- Clutch. A. G. Herreshoff. No. 1,235,896; Aug. 7; v. 241; p. 120.
- Clutch. W. J. Herrick. No. 1,227,136; May 22; v. 238; p. 1166.
- Clutch. A. Jauch. No. 1,241,631; Oct. 2; v. 243; p. 53.
- Clutch. M. L. Johnston. No. 1,244,860; Oct. 30; v. 243; p. 1198.
- Clutch. D. Lake. No. 1,234,776; July 31; v. 240; p. 1195.
- Clutch. E. E. Marlin. No. 1,237,932; Aug. 21; v. 241; p. 840.
- Clutch. C. J. Nelson. No. 1,235,151; July 31; v. 240; p. 1310.
- Clutch. I. Patrick. No. 1,227,191; May 22; v. 238; p. 1184.
- Clutch. M. L. Severy. No. 1,238,447; Aug. 28; v. 241; p. 1042.
- Clutch. W. L. Shepard. No. 1,229,664; June 12; v. 239; p. 484.
- Clutch. G. Sieurin. No. 1,222,897; Apr. 17; v. 237; p. 786.
- Clutch. G. M. Smith. No. 1,226,268; May 15; v. 238; p. 838.
- Clutch. A. H. Sweet. No. 1,242,389; Oct. 9; v. 243; p. 322.
- Clutch. A. Travis. No. 1,239,985; Sept. 11; v. 242; p. 432.

- Clutch. W. H. Waite. No. 1,226,036; May 15; v. 238; p. 756.
- Clutch. V. L. Ward. No. 1,231,132; July 3; v. 240; p. 203.
- Clutch. E. Williams. No. 1,219,207; Mar. 13; v. 236; p. 495.
- Clutch. E. Williams. No. 1,237,849; Aug. 21; v. 241; p. 815.
- Clutch. E. J. Wilson. No. 1,249,704; Dec. 11; v. 245; p. 399.
- Clutch-actuating device. J. W. Fellmeth. No. 1,232,520; July 10; v. 240; p. 361.
- Clutch-actuating means. C. Null and E. A. Baker. No. 1,217,624; Feb. 27; v. 235; p. 1234.
- Clutch and brake mechanism. F. T. Johnson. No. 1,213,203; Jan. 23; v. 234; p. 1076.
- Clutch and gear. Reversing. J. Froelich. No. 1,230,573; June 19; v. 239; p. 822.
- Clutch and power-transmission mechanism, Fluid-. L. N. Olson. No. 1,249,660; Dec. 11; v. 245; p. 386.
- Clutch and stop motion. Combined. A. S. Mello. No. 1,227,643; May 29; v. 238; p. 1362.
- Clutch and transmission device. A. M. and O. M. Hubbard. No. 1,227,910; May 29; v. 238; p. 1453.
- Clutch. Automatic. S. J. Matthews. No. 1,236,860; Aug. 14; v. 241; p. 462.
- Clutch. Cloth-roll. A. Burns. No. 1,230,079; June 12; v. 239; p. 619.
- Clutch. Cone. H. M. Lewis. No. 1,240,741; Sept. 18; v. 242; p. 703.
- Clutch control. G. C. Salt. No. 1,226,118; May 15; v. 238; p. 783.
- Clutch-control mechanism. A. Chambers. No. 1,244,468; Oct. 30; v. 243; p. 1079.
- Clutch control. Transmission-. C. C. Lane. No. 1,226,084; May 15; v. 238; p. 773.
- Clutch-controlling device. J. E. Holden. No. 1,240,343; Sept. 18; v. 242; p. 551.
- Clutch device. W. Vorderwinkler. No. 1,223,646; Apr. 24; v. 237; p. 1027.
- Clutch device for power-operated driving mechanism. J. N. Davis. No. 1,247,795; Nov. 27; v. 244; p. 883.
- Clutch device for power-transmitters. D. S. Seymour. No. 1,212,267; Jan. 16; v. 234; p. 716.
- Clutch-driving device. T. H. Maurseth. No. 1,246,295; Nov. 13; v. 244; p. 374.
- Clutch. Dynamo-electric. W. Morrison. (Reissue.) No. 1,427,1; Mar. 13; v. 236; p. 573.
- Clutch. Expanding friction-. C. O. Wood. No. 1,217,258; Feb. 27; v. 235; p. 1103.
- Clutch-facing. H. A. Bell and C. Swoboda. No. 1,239,864; Sept. 11; v. 242; p. 395.
- Clutch for roll-driving mechanism. D. R. Bowen. No. 1,225,809; May 8; v. 238; p. 467.
- Clutch. Friction-. A. H. Asprooth. No. 1,236,652; Aug. 14; v. 241; p. 394.
- Clutch. Friction-. F. H. Farmer and E. W. Hulet. No. 1,239,778; Sept. 11; v. 242; p. 366.
- Clutch. Friction-. W. T. Matheewissen. No. 1,227,475; May 22; v. 238; p. 1275.
- Clutch. Friction-. T. B. Murray. No. 1,239,940; Sept. 11; v. 242; p. 418.
- Clutch. Friction-. S. A. Thomas. No. 1,223,746; Apr. 24; v. 237; p. 1063.
- Clutch. Hydraulic. W. L. Rounds. No. 1,224,669; May 1; v. 238; p. 197.
- Clutch-levers. Locking means for. P. L. Starr. No. 1,224,034; Apr. 24; v. 237; p. 1161.
- Clutch mechanism. B. R. Benjamin and C. Pearson. No. 1,219,225; Mar. 13; v. 236; p. 502.
- Clutch mechanism. R. R. Case. No. 1,236,264; Aug. 7; v. 241; p. 236.
- Clutch mechanism. W. T. Hensley. No. 1,226,769; May 22; v. 238; p. 1040.
- Clutch mechanism. J. Hribar. No. 1,228,673; June 5; v. 239; p. 101.
- Clutch mechanism. N. Krump. No. 1,240,225; Sept. 18; v. 242; p. 544.
- Clutch mechanism. G. O. Leopold. No. 1,236,848; Aug. 14; v. 241; p. 458.
- Clutch mechanism. R. B. McWhirter. No. 1,237,073; Aug. 14; v. 241; p. 531.
- Clutch mechanism. J. H. Nicholls. No. 1,246,309; Nov. 13; v. 244; p. 378.
- Clutch mechanism. A. E. Norris. No. 1,247,564; Nov. 20; v. 244; p. 780.
- Clutch mechanism. J. G. Vincent. No. 1,241,060; Sept. 25; v. 242; p. 835.
- Clutch mechanism. L. C. Wood. No. 1,248,773; Dec. 4; v. 245; p. 102.
- Clutch mechanism. Differential. B. A. Adler. No. 1,224,124; May 1; v. 238; p. 3.
- Clutch mechanism for power-machines. G. O. Leopold. No. 1,212,966; Jan. 16; v. 234; p. 961.
- Clutch mechanism for reversing-gearing. H. A. Tuttle. No. 1,241,057; Sept. 25; v. 242; p. 834.
- Clutch mechanism for transmission-gearings. F. E. Land. No. 1,225,144; May 8; v. 238; p. 411.
- Clutch mechanism. Friction-. L. E. Younie. No. 1,221,127; Apr. 3; v. 237; p. 43.
- Clutch. Non-repeating safety-. C. Sherman. No. 1,228,070; May 29; v. 238; p. 1508.
- Clutch operating means. C. H. Norton. No. 1,211,747; Jan. 9; v. 234; p. 502.
- Clutch-operating mechanism. G. Frink. No. 1,249,736; Dec. 11; v. 245; p. 408.
- Clutch-operating mechanism. G. J. Rumens. No. 1,244,376; Oct. 23; v. 243; p. 1013.
- Clutch-operating mechanism. S. E. Schroeder. No. 1,227,838; May 29; v. 238; p. 1429.
- Clutch or coupling. Safety. W. R. Winter. No. 1,211,515; Jan. 9; v. 234; p. 424.
- Clutch-pedal. J. H. Welsh. No. 1,216,028; Feb. 13; v. 235; p. 582.
- Clutch. Pin-. M. Sapo. No. 1,219,872; Mar. 20; v. 236; p. 757.
- Clutch. Positive friction-. H. V. Leckie. No. 1,241,129; Sept. 25; v. 242; p. 856.
- Clutch. Reversing-. R. J. Million. No. 1,248,370; Nov. 27; v. 244; p. 1044.
- Clutch. Safety chuck-. L. B. Cotterman and J. L. Alger. No. 1,246,554; Nov. 13; v. 244; p. 453.
- Clutch-timing mechanism. C. Rankin. No. 1,227,545; May 22; v. 238; p. 1299.
- Clutch-tripping device. L. A. Phelps. No. 1,248,704; Dec. 4; v. 245; p. 82.
- Clutches. Automatic uncoupling means for shaft-. G. H. Rice. No. 1,242,723; Oct. 9; v. 243; p. 440.
- Clutches. Automatic uncoupling means for shaft-. G. H. Rice. No. 1,242,724; Oct. 9; v. 243; p. 440.
- Clutches. Leather facing for cone-. R. C. Jensen. No. 1,227,151; May 22; v. 238; p. 1171.
- Clutching, coupling, or locking device and the like. Apparatus for use as a. E. Peuch and A. Arbey. No. 1,227,306; May 22; v. 238; p. 1222.
- Coal and other materials. Apparatus for delivering. G. W. Freeland. No. 1,248,473; Dec. 4; v. 245; p. 13.
- Coal, &c. Apparatus for handling. C. A. Pratt. No. 1,232,082; July 3; v. 240; p. 185.
- Coal, &c. Apparatus for raising and conveying. F. L. Stuart. No. 1,230,236; June 19; v. 239; p. 710.
- Coal-breaking method and machine. F. Pardee. No. 1,218,693; Mar. 13; v. 236; p. 316.
- Coal-cutting machine. G. Rimmer. No. 1,245,771; Nov. 6; v. 244; p. 190.
- Coal-cutting machine. W. M. Thomas. No. 1,226,412; May 15; v. 238; p. 884.
- Coal-cutting-machine attachment. J. Jenkins. No. 1,247,407; Nov. 20; v. 244; p. 736.
- Coal-drill. D. S. Bacheider. No. 1,251,323; Dec. 25; v. 245; p. 966.
- Coal-dump. C. B. Cheek. No. 1,221,416; Apr. 3; v. 237; p. 146.
- Coal-emptier. M. Pellegrino. No. 1,212,252; Jan. 16; v. 234; p. 710.
- Coal-feed and draft-regulator. Automatic. W. C. Koelling. No. 1,232,813; July 10; v. 240; p. 456.
- Coal-feeder. Automatic. F. S. Seymour. No. 1,223,626; Apr. 24; v. 237; p. 1021.
- Coal handling and storing apparatus. J. B. Phillips. No. 1,216,603; Feb. 20; v. 235; p. 837.
- Coal-handling machine. W. E. Hamilton. No. 1,222,286; Apr. 10; v. 237; p. 481.
- Coal-handling machinery. S. Butler. No. 1,214,646; Feb. 6; v. 235; p. 58.
- Coal-hod. R. L. Clark. No. 1,217,706; Feb. 27; v. 235; p. 1262.
- Coal-hod. J. Karssen. No. 1,234,671; July 24; v. 240; p. 1128.
- Coal-hod and ash-sifter. Combined. N. D. Henley. No. 1,244,605; Oct. 30; v. 243; p. 1121.
- Coal-hods or similar devices. Cover for. H. F. Miller. No. 1,225,989; May 15; v. 238; p. 739.
- Coal-jigs. Automatic clutch mechanism for. G. E. Reynolds. No. 1,217,502; Feb. 27; v. 235; p. 1190.
- Coal-loader. D. B. Staut. No. 1,246,673; Nov. 13; v. 244; p. 488.
- Coal, &c. Method and apparatus for storing and discharging. H. Adams. No. 1,234,710; July 31; v. 240; p. 1175.
- Coal, &c. Method of and apparatus for storing and discharging. H. Adams. No. 1,234,709; July 31; v. 240; p. 1175.
- Coal. Non-attrition process of and apparatus for washing and sorting. H. Adams. No. 1,224,350; May 1; v. 238; p. 85.
- Coal or ores and the like. Apparatus for separating substances of different specific gravities, such as fine. J. M. Draper. No. 1,210,916; Jan. 2; v. 234; p. 186.
- Coal-picking apparatus. F. H. Emery. No. 1,220,736; Mar. 27; v. 236; p. 1096.
- Coal-receptacle. J. D. Hewitt. No. 1,220,422; Mar. 27; v. 236; p. 988.
- Coal-screening rig. Portable. C. S. Williamson. No. 1,213,322; Jan. 23; v. 234; p. 1119.
- Coal-scuttle. A. H. Brown. No. 1,227,527; May 22; v. 238; p. 1294.
- Coal-shield. W. E. Wood. No. 1,239,549; Sept. 11; v. 242; p. 293.
- Coal-tipple. T. J. Williams. No. 1,212,723; Jan. 16; v. 234; p. 879.
- Coal. Treating. C. E. Hite. No. 1,224,641; May 1; v. 238; p. 187.
- Coal-treating process and apparatus. C. H. Smith. No. 1,224,424; May 1; v. 238; p. 112.
- Coal-unloading device. J. H. Tutwiler. No. 1,231,462; June 26; v. 239; p. 1158.

- Coal-washing and ore concentration. T. M. Chance. No. 1,224,138; May 1; v. 238; p. 8.
- Coaling apparatus. W. F. Hunt. No. 1,240,215; Sept. 18; v. 242; p. 541.
- Coaling tank or hopper. V. Z. Caracristi. No. 1,248,610; Dec. 4; v. 245; p. 55.
- Coaster. A. D. Converse. No. 1,227,888; May 29; v. 238; p. 1446.
- Coaster. E. F. T. Lundquist. No. 1,239,196; Sept. 4; v. 242; p. 152.
- Coaster. W. E. Sherwood. No. 1,212,409; Jan. 16; v. 234; p. 765.
- Coaster. W. E. Sherwood. No. 1,224,575; May 1; v. 238; p. 165.
- Coaster and rocker, Combined. G. P. Steinbach. No. 1,250,045; Dec. 11; v. 245; p. 498.
- Coaster-brake. V. W. Page. No. 1,212,669; Jan. 16; v. 234; p. 859.
- Coaster-brake. C. W. Svenson. No. 1,218,226; Mar. 6; v. 236; p. 118.
- Coaster-brake. J. J. Tobin. No. 1,224,514; May 1; v. 238; p. 143.
- Coaster-brake. H. F. Youngs. No. 1,227,868; May 29; v. 238; p. 1439.
- Coaster-brake for velocipedes, toy automobiles, and the like. J. B. Allen. No. 1,232,472; July 10; v. 240; p. 845.
- Coaster-slide, Wave. P. V. Townsend. No. 1,239,848; Sept. 11; v. 242; p. 389.
- Coat. F. M. Prestwich. No. 1,234,564; July 24; v. 240; p. 1096.
- Coat and cape, Convertible. J. C. Whiteside. No. 1,239,995; Sept. 11; v. 242; p. 434.
- Coat and skirt hanger, Combined. A. Malsin. No. 1,246,972; Nov. 20; v. 244; p. 612.
- Coat, Beltless. M. Berkwitz. No. 1,234,608; July 24; v. 240; p. 1109.
- Coat-brace. B. Newburger. No. 1,248,383; Nov. 27; v. 244; p. 1048.
- Coat-front. S. N. Ettinger. No. 1,236,278; Aug. 7; v. 241; p. 240.
- Coat-hanger. F. E. Becker. No. 1,245,425; Nov. 6; v. 244; p. 85.
- Coat-hanger. G. A. Kimball. No. 1,214,926; Feb. 6; v. 235; p. 156.
- Coat-hanger. C. M. Koenig. No. 1,244,342; Oct. 23; v. 243; p. 1004.
- Coat-hanger. A. L. McGuire. No. 1,225,150; May 8; v. 238; p. 412.
- Coat, Infant's. A. M. Hammerson. No. 1,249,076; Dec. 4; v. 245; p. 188.
- Coat, Office. N. Ingber. No. 1,211,449; Jan. 9; v. 234; p. 402.
- Coat, Rain-. M. C. Doubles. No. 1,236,689; Aug. 14; v. 241; p. 407.
- Coat, Tailor's measuring or fitting. J. W. Fischer. No. 1,221,302; Apr. 3; v. 237; p. 106.
- Coats, &c., Device for holding protectors upon the edges of. J. R. Waters. No. 1,222,250; Apr. 10; v. 237; p. 469.
- Coating apparatus. A. L. Bausman. No. 1,230,456; June 19; v. 239; p. 781.
- Coating apparatus. G. P. Crumbaugh. No. 1,218,241; Mar. 6; v. 236; p. 124.
- Coating apparatus. W. A. Nivling. No. 1,236,002; Aug. 7; v. 241; p. 154.
- Coating blanks, Machine for. E. W. Labombarde. No. 1,218,419; Mar. 6; v. 236; p. 184.
- Coating composition and making same. H. K. Kiso. No. 1,236,183; Aug. 7; v. 241; p. 210.
- Coating composition, Liquid. A. L. Brown. No. 1,212,738; Jan. 16; v. 234; p. 884.
- Coating composition, Liquid. J. C. Dobbins. No. 1,226,195; May 15; v. 238; p. 810.
- Coating composition, Liquid. S. Jacobs. No. 1,229,964; June 12; v. 239; p. 582.
- Coating composition, Wall-. M. W. Moore. No. 1,217,331; Feb. 27; v. 235; p. 1127.
- Coating composition, Liquid. E. Rogers. No. 1,244,777; Oct. 30; v. 243; p. 1174.
- Coating, drying, and solvent-recovery apparatus, Fabric. C. F. Hopewell. No. 1,212,643; Jan. 16; v. 234; p. 849.
- Coating electric condensers. W. H. Kempton. No. 1,249,770; Dec. 11; v. 245; p. 419.
- Coating for molds and cores. J. E. Gernelle-Danley. No. 1,218,394; Mar. 6; v. 236; p. 176.
- Coating iron, steel, or other metals with metal. E. Bernheim. No. 1,244,414; Oct. 23; v. 243; p. 1025.
- Coating kiln-baked articles, Method and means for. J. W. Ivery. No. 1,237,520; Aug. 21; v. 241; p. 711.
- Coating-machine. G. F. Dickson. No. 1,215,305; Feb. 6; v. 235; p. 286.
- Coating-machine. M. M. Jewett. No. 1,239,399; Sept. 4; v. 242; p. 217.
- Coating-machine. A. L. Kronquest. No. 1,225,649; May 8; v. 238; p. 581.
- Coating-machine. H. Ohl, Jr. No. 1,238,561; Aug. 28; v. 241; p. 1080.
- Coating-machine. W. J. Schwartz and E. H. Waugh. No. 1,229,671; June 12; v. 239; p. 487.
- Coating machine, Solder-strip. E. Norton. No. 1,237,805; Aug. 21; v. 241; p. 801.
- Coating machine, Tile-. F. E. Goldsmith. No. 1,238,128; Aug. 28; v. 241; p. 937.
- Coating machines, Article-holder for liquid-. R. A. Beausejour. No. 1,237,860; Aug. 21; v. 241; p. 818.
- Coating-machines, Cake-holder for. L. C. Reed and O. P. Smith. No. 1,226,910; May 22; v. 238; p. 1087.
- Coating material and making the same, Prepared sheet of. W. F. McKay. No. 1,236,462; Aug. 14; v. 241; p. 331.
- Coating material, Applying. H. W. Day. No. 1,239,089; Sept. 4; v. 242; p. 118.
- Coating materials, Preparation of dull-finish. R. H. McKee. No. 1,216,338; Feb. 20; v. 235; p. 742.
- Coating metal. B. P. Allen. No. 1,233,633; July 17; v. 240; p. 761.
- Coating metal ingot-molds, Apparatus for. G. F. Downs. No. 1,243,718; Oct. 23; v. 243; p. 813.
- Coating metal sheets, Apparatus for. J. H. Caffrey. No. 1,243,808; Oct. 23; v. 243; p. 843.
- Coating metallic articles, Method and apparatus for. J. D. Hathaway. No. 1,248,107; Nov. 27; v. 244; p. 969.
- Coating metallic articles to prevent oxidation. M. L. Crowe. No. 1,247,086; Nov. 20; v. 244; p. 644.
- Coating-molds for metal ingots. G. F. Downs. No. 1,243,717; Oct. 23; v. 243; p. 813.
- Coating sheet material, Machine for. W. S. Kinsley. No. 1,235,326; July 31; v. 240; p. 1364.
- Coating surfaces. A. G. Bagnall and J. A. Taylor. No. 1,239,074; Sept. 4; v. 242; p. 113.
- Coating the yarn elements from which a laminated cohesively-interwound fabric band is constructed, Automatically-acting device for. L. A. Subers. No. 1,223,636; Apr. 24; v. 237; p. 1024.
- Coating to shells and other articles, Mechanism for applying. H. W. Day. No. 1,249,725; Dec. 11; v. 245; p. 406.
- Coating tungsten or molybdenum with noble metals. F. A. Fahrenwald. No. 1,236,383; Aug. 7; v. 241; p. 271.
- Coating wood products. K. E. Wickstrom. No. 1,234,989; July 31; v. 240; p. 1262.
- Coatings of fusible substances, Making. G. Stolle. No. 1,221,104; Apr. 3; v. 237; p. 35.
- Coca extract and producing same. F. R. Eldred, F. E. Bibbins, and R. N. Reed. No. 1,218,536; Mar. 6; v. 236; p. 223.
- Coca extracts, Preparing. F. R. Eldred, F. E. Bibbins, and R. N. Reed. No. 1,235,450; July 31; v. 240; p. 1399.
- Cock. J. A. Bump. No. 1,222,068; Apr. 10; v. 237; p. 403.
- Cock. E. L. Claus. No. 1,225,012; May 8; v. 238; p. 367.
- Cock. A. Hein. No. 1,213,484; Jan. 23; v. 234; p. 1174.
- Cock and coupling, Wall gas-. F. W. Olds. No. 1,240,161; Sept. 11; v. 242; p. 483.
- Cock, Automatic safety-gage. G. W. Bolton. No. 1,228,876; June 5; v. 239; p. 172.
- Cock, Balanced-piston. W. H. Quandt and J. M. Gooden. No. 1,230,777; June 19; v. 239; p. 889.
- Cock, Ball-. J. H. McPartland. No. 1,231,399; June 26; v. 239; p. 1137.
- Cock, Ball-. P. J. Troy. No. 1,225,892; May 15; v. 238; p. 706.
- Cock, Closet-tank ball-. E. R. Hill. No. 1,212,056; Jan. 9; Gaz. vol. 234; p. 612.
- Cock, Combined stop and waste. O. G. Hitchcock. No. 1,236,372; Aug. 7; v. 241; p. 267.
- Cock, Compression-stop and waste-. H. J. Geurink. No. 1,244,976; Oct. 30; v. 243; p. 1234.
- Cock control for motor-vehicles, Pet-. W. A. Conway. No. 1,237,618; Aug. 21; v. 241; p. 742.
- Cock, Curb-. F. H. Cassidy. No. 1,215,250; Feb. 6; v. 235; p. 268.
- Cock, Cylinder-. W. R. Atkins. No. 1,231,692; July 3; v. 240; p. 53.
- Cock, Cylinder-. J. P. Gray. No. 1,225,238; May 8; v. 238; p. 441.
- Cock, Faucet-. T. M. Gleason. No. 1,237,324; Aug. 21; v. 241; p. 648.
- Cock, Gage-. V. A. Lang. No. 1,214,326; Jan. 30; v. 234; p. 1495.
- Cock, Gage-. E. H. McClelland. No. 1,247,851; Nov. 27; v. 244; p. 899.
- Cock, Gas-. L. K. Schwall. No. 1,221,771; Apr. 3; v. 237; p. 266.
- Cock holder, Angle-. S. H. Campbell. No. 1,212,184; Jan. 16; v. 234; p. 683.
- Cock, Pinch-. W. H. Day. No. 1,250,985; Dec. 25; v. 245; p. 868.
- Cock, Safety-. L. Kleinman. No. 1,238,023; Aug. 21; v. 241; p. 870.
- Cock, Safety non-cloggable steam and water. W. E. Beach. No. 1,235,418; July 31; v. 240; p. 1390.
- Cock, Spring-. M. J. Kelly. No. 1,241,989; Oct. 2; v. 243; p. 166.
- Cock, Water-. A. W. Burney. No. 1,216,940; Feb. 20; v. 235; p. 950.
- Cock with check, Self-closing. P. Mueller. No. 1,228,584; June 5; v. 239; p. 71.
- Cock with check, Self-closing. P. Mueller and A. C. Schuermann. No. 1,228,585; June 5; v. 239; p. 72.
- Cocks, Wall-fitting for. P. Mueller and A. C. Schuermann. No. 1,212,797; Jan. 16; v. 234; p. 903.

Alphabetical list of inventions—Continued.

- Cocktail-mixer. R. J. A. Farrington. No. 1,211,426; Jan. 9; v. 234; p. 394.
- Cocoa and other pulverulent material. Apparatus for treating. J. Walker. No. 1,226,831; May 22; v. 238; p. 1060.
- Coroa. Making so-called alkalinized. W. C. Bladen. No. 1,243,244; Oct. 16; v. 243; p. 636.
- Cocoa nut and product obtained thereby. Preparing or treating. F. Baker, Jr. No. 1,230,364; June 19; v. 239; p. 752.
- Cocoa nut and product obtained thereby. Preparing or treating. F. Baker, Jr. No. 1,230,366; June 19; v. 239; p. 752.
- Cocoa nut. Preparing or treating. F. Baker, Jr. No. 1,230,365; June 19; v. 239; p. 752.
- Coding and decoding apparatus. S. M. Kintner. No. 1,210,656; Jan. 2; v. 234; p. 97.
- Coffee and other substances. Process and apparatus for roasting. F. Malvezin. No. 1,237,931; Aug. 21; v. 241; p. 840.
- Coffee, &c., Apparatus for cooling. W. G. Burns. No. 1,218,978; Mar. 13; v. 236; p. 419.
- Coffee-cleaning composition. A. F. W. Meyer. No. 1,239,930; Sept. 11; v. 242; p. 416.
- Coffee-cooling apparatus. R. A. Greene. No. 1,218,997; Mar. 13; v. 236; p. 426.
- Coffee extract. L. Etaix. No. 1,251,359; Dec. 25; v. 245; p. 977.
- Coffee-extract, Aromatizing dry. K. Åslund and T. Boberg. No. 1,214,875; Feb. 6; v. 235; p. 136.
- Coffee, Forming cakes from. F. L. Sauvageau. No. 1,210,542; Jan. 2; v. 234; p. 57.
- Coffee-maker. S. L. Meyers. No. 1,217,044; Feb. 20; v. 235; p. 985.
- Coffee-making apparatus. J. B. Dalton. No. 1,219,442; Mar. 20; v. 236; p. 607.
- Coffee-making apparatus. J. L. Guimarães. No. 1,247,396; Nov. 20; v. 244; p. 733.
- Coffee-making apparatus. A. Mintz. No. 1,218,294; Mar. 6; v. 236; p. 143.
- Coffee-mill. T. J. Conklin. No. 1,248,458; Dec. 4; v. 245; p. 9.
- Coffee-mill. A. I. Gonsalves. No. 1,247,394; Nov. 20; v. 244; p. 732.
- Coffee-mill. F. F. Wear and B. M. Ely. No. 1,220,147; Mar. 20; v. 236; p. 857.
- Coffee peeling and classifying machine. L. B. G. Carreras. No. 1,219,079; Mar. 13; v. 236; p. 452.
- Coffee-pot. F. E. Boardman. No. 1,250,547; Dec. 18; v. 245; p. 688.
- Coffee-pot. N. Boleratz. No. 1,210,590; Jan. 2; v. 234; p. 73.
- Coffee-pot. L. B. Hester. No. 1,225,812; May 15; v. 238; p. 680.
- Coffee-pot. J. B. Horsley. No. 1,217,179; Feb. 27; v. 235; p. 1077.
- Coffee-pot. P. H. Serio. No. 1,233,515; July 17; v. 240; p. 721.
- Coffee-pot attachment. H. B. W. Michael. No. 1,247,131; Nov. 20; v. 244; p. 657.
- Coffee-pot handle. Detachable. I. Jones. No. 1,231,372; June 26; v. 239; p. 1128.
- Coffee product and making the same. W. J. Ewing. No. 1,229,052; June 5; v. 239; p. 227.
- Coffee-roaster. P. Ezzo. No. 1,224,620; May 1; v. 238; p. 180.
- Coffee-roaster attachment. S. Liberto. No. 1,251,392; Dec. 25; v. 245; p. 986.
- Coffee-roasting machine. J. W. Fisse. No. 1,231,723; July 3; v. 240; p. 64.
- Coffee substitute. W. A. Brown. No. 1,224,271; May 1; v. 238; p. 56.
- Coffee substitute. W. A. Lorenz. No. 1,230,184; June 19; v. 239; p. 693.
- Coffee, tea, or similar drinks. Apparatus for preparing. G. Wiberg. No. 1,225,690; May 8; v. 238; p. 595.
- Coffee. Treating. F. R. Eden. No. 1,216,671; Feb. 20; v. 235; p. 860.
- Coffee-urn and heated dispensing attachment therefor. E. Maker. No. 1,237,357; Aug. 21; v. 241; p. 659.
- Coffin. M. N. Jones. No. 1,224,383; May 1; v. 238; p. 96.
- Coffin and rough box. G. W. Harris. No. 1,228,112; May 29; v. 238; p. 1523.
- Coherer-protector. H. D. Betz. No. 1,242,512; Oct. 9; v. 243; p. 371.
- Coil, High-tension. G. W. Wacker. No. 1,224,246; May 1; v. 238; p. 47.
- Coil, Loading-. W. Fondiller. No. 1,210,628; Jan. 2; v. 234; p. 87.
- Coil, Phantom loading-. W. Fondiller. No. 1,231,516; June 26; v. 239; p. 1174.
- Coil-spring. J. B. Knudsen. (Reissue.) No. 14,287; Apr. 17; v. 237; p. 892.
- Coil-support. A. B. Field. No. 1,238,280; Aug. 28; v. 241; p. 988.
- Coil-support. O. M. Holst. No. 1,217,943; Mar. 6; v. 236; p. 20.
- Coil, timer, and distributor device. Combined. E. T. Shaw and G. E. Wood. No. 1,246,822; Nov. 13; v. 244; p. 532.
- Coil-winding apparatus. F. B. Segur. No. 1,244,137; Oct. 23; v. 243; p. 942.
- Coils. Connector for reactance. J. F. Peters. No. 1,210,528; Jan. 2; v. 234; p. 52.
- Coiling apparatus. W. R. Webster. No. 1,222,827; Apr. 17; v. 237; p. 712.
- Coiling material. Apparatus for. W. R. Webster. No. 1,229,357; June 12; v. 239; p. 381.
- Coin and check handling register. J. W. Ingle. No. 1,238,711; Aug. 28; v. 241; p. 1124.
- Coin and pen holder. J. J. Frederickson. No. 1,218,849; Mar. 13; v. 236; p. 375.
- Coin-assorter. W. E. Harkness. No. 1,212,215; Jan. 16; v. 234; p. 694.
- Coin-box. A. Lonson. No. 1,212,521; Jan. 16; v. 234; p. 804.
- Coin-box. A. Lonson. No. 1,212,522; Jan. 16; v. 234; p. 805.
- Coin-carrier. E. F. Miller. No. 1,235,910; Aug. 7; v. 241; p. 125.
- Coin-chute for coin-operated machines. R. J. Dickie. No. 1,234,300; July 24; v. 240; p. 1009.
- Coin-collecting apparatus. H. A. Drew and G. M. Mazza. No. 1,227,403; May 22; v. 238; p. 1252.
- Coin-collecting device. J. W. Lattig and C. L. Goodrum. No. 1,245,472; Nov. 6; v. 244; p. 99.
- Coin-controlled apparatus. M. T. Ash. No. 1,248,422; Nov. 27; v. 244; p. 1058.
- Coin-controlled apparatus. A. Hall. No. 1,220,102; Mar. 20; v. 236; p. 838.
- Coin-controlled apparatus. P. B. Waring. No. 1,220,302; Mar. 27; v. 236; p. 946.
- Coin-controlled chair. G. A. Adams. No. 1,221,265; Apr. 3; v. 237; p. 93.
- Coin-controlled device. O. Jaeger. No. 1,227,150; May 22; v. 238; p. 1171.
- Coin-controlled lock. G. G. F. Boswell. No. 1,230,062; June 12; v. 239; p. 612.
- Coin-controlled lock. A. F. Lesler. No. 1,216,145; Feb. 13; v. 235; p. 624.
- Coin-controlled machine. A. D. Grover. No. 1,243,512; Oct. 16; v. 243; p. 717.
- Coin-controlled machine. G. Kern. No. 1,224,115; Apr. 24; v. 237; p. 1189.
- Coin-controlled machine. G. Kern. No. 1,225,720; May 8; v. 238; p. 605.
- Coin-controlled mechanism. J. A. Crimp. No. 1,217,716; Feb. 27; v. 235; p. 1265.
- Coin-controlled mechanism. J. W. Hughes. No. 1,228,674; June 5; v. 239; p. 102.
- Coin-controlled mechanism. A. Rydquist. No. 1,231,793; July 3; v. 240; p. 86.
- Coin-controlled mechanism, Electrically-operated. L. A. Heine. No. 1,236,168; Aug. 7; v. 241; p. 205.
- Coin counting and registering device. H. H. Fefell and J. F. Ohmer. No. 1,210,622; Jan. 2; v. 234; p. 85.
- Coin-counting machines, Coin-holder for. J. M. Johnson. No. 1,241,632; Oct. 2; v. 243; p. 53.
- Coin-deliverer. R. Hasbrook. No. 1,233,229; July 10; v. 240; p. 591.
- Coin-delivery machine. N. White. No. 1,244,812; Oct. 30; v. 243; p. 1184.
- Coin-delivery means for change-making machines and the like. G. J. Barrett. No. 1,238,736; Sept. 4; v. 242; p. 5.
- Coin device, Prepayment. J. W. Lattig and C. L. Goodrum. No. 1,241,998; Oct. 2; v. 243; p. 169.
- Coin-ejecting machine. T. I. Potter. No. 1,216,606; Feb. 20; v. 235; p. 838.
- Coin-handling device. I. F. Bidwell, H. M. Flayell, E. E. Henry, and L. C. McLeod. No. 1,211,530; Jan. 9; v. 234; p. 428.
- Coin-handling machine. C. S. Batdorf. No. 1,239,251; Sept. 4; v. 242; p. 171.
- Coin-handling machine. H. Mendelsohn. No. 1,242,016; Oct. 2; v. 243; p. 175.
- Coin-holder. R. D. Knight. No. 1,217,189; Feb. 27; v. 235; p. 1080.
- Coin-holder. W. L. McClenahan. No. 1,242,358; Oct. 9; v. 243; p. 322.
- Coin-holder and indicator for receptacles. W. F. Roberts. No. 1,237,700; Aug. 21; v. 241; p. 769.
- Coin-paying and change-making machine, Automatic. G. J. Barrett. No. 1,247,618; Nov. 27; v. 244; p. 828.
- Coin-receiver for newspaper-stands. I. Abrams. No. 1,232,160; July 3; v. 240; p. 211.
- Coin receiving, recording, and slip-issuing machine. J. L. Schmidt. No. 1,245,390; Nov. 6; v. 244; p. 73.
- Coin receiving, registering, and slip-issuing machine. J. L. Schmidt. No. 1,245,391; Nov. 6; v. 244; p. 74.
- Coin-receptacle. H. Weil. No. 1,243,467; Oct. 16; v. 243; p. 702.
- Coin-register. M. H. Mandelbaum. No. 1,243,619; Oct. 16; v. 243; p. 749.
- Coin-savings receptacle. V. J. Van Horn. No. 1,239,143; Sept. 4; v. 242; p. 136.
- Coin-selector. G. C. Reith. No. 1,236,870; Aug. 14; v. 241; p. 465.
- Coin separator and counter. C. C. Voglesong. No. 1,210,732; Jan. 2; v. 234; p. 122.
- Coin-slot. W. J. Paul. No. 1,234,079; July 17; v. 240; p. 901.
- Coin-stacker and vending-machine. R. T. Hosking. No. 1,234,029; July 17; v. 240; p. 886.

- Coin-testing attachment for coin-controlled mechanisms. A. D. Grover. No. 1,217,170; Feb. 27; v. 235; p. 1074.
- Coin-testing mechanism for coin-controlled machines. A. D. Grover. No. 1,225,808; May 15; v. 238; p. 678.
- Coins, Device for giving out. M. Hanusch. No. 1,212,052; Jan. 9; v. 234; p. 610.
- Coke as fuel for stoves, hearths, and the like by filling up the pores thereof, Improving. A. Schollenbruch. No. 1,233,611; July 17; v. 240; p. 754.
- Coke-discharging apparatus. S. N. Wellington. No. 1,229,691; June 12; v. 239; p. 494.
- Coke from pitch and the product thereof, Manufacturing. C. R. Eckert. No. 1,213,763; Jan. 23; v. 234; p. 1268.
- Coke-hoppers or the like, Apparatus for discharging. A. M. Duckham. No. 1,225,597; May 8; v. 238; p. 565.
- Coke-oven. E. J. Crossen. No. 1,227,518; May 22; v. 238; p. 1291.
- Coke-oven. G. E. Thackray. No. 1,211,503; Jan. 9; v. 234; p. 419.
- Coke-oven. L. Wilputte. No. 1,212,865; Jan. 16; v. 234; p. 925.
- Coke-oven. L. Wilputte. No. 1,213,988; Jan. 30; v. 234; p. 1376.
- Coke-oven and operating the same. L. Wilputte. No. 1,212,866; Jan. 16; v. 234; p. 925.
- Coke-oven construction. G. E. Thackray. No. 1,211,502; Jan. 9; v. 234; p. 419.
- Coke-oven walls, Repairing. A. H. Chalmers. No. 1,244,467; Oct. 30; v. 243; p. 1079.
- Coke-ovens, Gas-collecting attachment for. H. P. Scheel. No. 1,240,494; Sept. 18; v. 242; p. 628.
- Coke-ovens, Means for continuously operating. J. Lütz. No. 1,236,727; Aug. 14; v. 241; p. 420.
- Coke-producing and by-product-recovery method. M. Marshall, Sr. No. 1,248,883; Dec. 4; v. 245; p. 135.
- Coking-furnace. H. G. Stone. No. 1,243,776; Oct. 23; v. 243; p. 833.
- Collapsible and convertible chair. G. Norberti. No. 1,240,243; Sept. 18; v. 242; p. 549.
- Collapsible boat. P. Adams. No. 1,246,373; Nov. 13; v. 244; p. 399.
- Collapsible boat. J. C. Hoseck. No. 1,240,978; Sept. 25; v. 242; p. 810.
- Collapsible box. H. H. Cummer. No. 1,214,012; Jan. 30; v. 234; p. 1385.
- Collapsible box. H. Davis. No. 1,231,504; June 26; v. 239; p. 1170.
- Collapsible box. H. A. Farnquist. No. 1,218,846; Mar. 13; v. 236; p. 374.
- Collapsible box. L. Rosenwald. No. 1,250,357; Dec. 18; v. 245; p. 630.
- Collapsible box. C. Taber. No. 1,224,234; May 1; v. 238; p. 42.
- Collapsible box or container. J. F. Parker and M. Van Heuvel. No. 1,244,239; Oct. 23; v. 243; p. 973.
- Collapsible box or crate. L. C. Britton. No. 1,223,253; Apr. 17; v. 237; p. 856.
- Collapsible box or crate. M. Wilppone. No. 1,218,502; Mar. 6; v. 236; p. 211.
- Collapsible carrier. H. Scher. No. 1,231,654; July 3; v. 240; p. 38.
- Collapsible case. T. Beasley. No. 1,224,833; May 1; v. 238; p. 254.
- Collapsible chair. T. Rizzo. No. 1,211,355; Jan. 2; v. 234; p. 334.
- Collapsible house. E. M. Aronson. No. 1,232,168; July 3; v. 240; p. 213.
- Collapsible mold. E. Quisumbing. No. 1,245,618; Nov. 6; v. 244; p. 145.
- Collapsible seat. J. G. Heaslet. No. 1,231,156; June 26; v. 239; p. 1056.
- Collapsible seat. A. Salati. No. 1,246,791; Nov. 13; v. 244; p. 523.
- Collapsible spindle. G. P. Macready. No. 1,246,130; Nov. 13; v. 244; p. 325.
- Collapsible table. G. E. Bilton. No. 1,236,900; Aug. 14; v. 241; p. 474.
- Collapsible tube. F. F. B. Chapman. No. 1,242,654; Oct. 9; v. 243; p. 418.
- Collapsible tube. F. W. Gries. No. 1,227,430; May 22; v. 238; p. 1260.
- Collapsible tube for paste. G. H. Neidlinger. No. 1,227,297; May 22; v. 238; p. 1219.
- Collar. J. M. Boeckh. No. 1,237,286; Aug. 21; v. 241; p. 635.
- Collar. W. J. Cipra. No. 1,239,563; Sept. 11; v. 242; p. 297.
- Collar. J. P. Gorman. No. 1,218,254; Mar. 6; v. 236; p. 129.
- Collar. F. H. Kline. No. 1,211,319; Jan. 2; v. 234; p. 324.
- Collar. G. T. Osborn. No. 1,250,635; Dec. 18; v. 245; p. 713.
- Collar. G. O. Sanborn. No. 1,220,895; Mar. 27; v. 236; p. 1150.
- Collar. W. A. Tooke. No. 1,243,011; Oct. 16; v. 243; p. 566.
- Collar. W. A. Tooke. No. 1,243,461; Oct. 16; v. 243; p. 701.
- Collar. J. C. Turrell. No. 1,243,463; Oct. 16; v. 243; p. 701.
- Collar, Adjustable spacing. J. M. Davie. No. 1,225,113; May 8; v. 238; p. 400.
- Collar and necktie, Combined reversible. P. F. Hanley. No. 1,216,563; Feb. 20; v. 235; p. 823.
- Collar and necktie retainer. U. G. Cook. No. 1,211,547; Jan. 9; v. 234; p. 435.
- Collar and stiffener therefor. M. Finkelstein. No. 1,233,860; July 17; v. 240; p. 833.
- Collar and stiffener therefor. M. Finkelstein. No. 1,235,454; July 31; v. 240; p. 1400.
- Collar attachment. J. H. Allen. No. 1,224,828; May 1; v. 238; p. 253.
- Collar construction, Horse. J. C. Nichols. No. 1,238,556; Aug. 28; v. 241; p. 1078.
- Collar, Convertible. W. B. Roney. No. 1,213,954; Jan. 30; v. 234; p. 1365.
- Collar, Detachable coat. J. M. McCall. No. 1,219,335; Mar. 13; v. 236; p. 539.
- Collar, Detachable coat storm. J. H. Isenhour. No. 1,248,332; Nov. 27; v. 244; p. 1033.
- Collar-fastener. H. J. Comeau. No. 1,221,290; Apr. 3; v. 237; p. 103.
- Collar-fastener. W. A. Hayden. No. 1,235,469; July 31; v. 240; p. 1404.
- Collar-fastener. E. Miller. No. 1,212,088; Jan. 9; v. 234; p. 620.
- Collar-fastener and necktie-guard, Combined. E. Evans. No. 1,231,512; June 26; v. 239; p. 1173.
- Collar-fastening. A. A. Kinion. No. 1,240,857; Sept. 25; v. 242; p. 773.
- Collar, Fold. H. F. Hurd. No. 1,213,493; Jan. 23; v. 234; p. 1177.
- Collar, Fold. H. F. Hurd. No. 1,226,216; May 15; v. 238; p. 817.
- Collar, Fold. H. E. Shumway. No. 1,243,452; Oct. 16; v. 243; p. 698.
- Collar, Harness. E. W. Mahone. No. 1,211,207; Jan. 2; v. 234; p. 285.
- Collar-holder. A. A. Kinion. No. 1,242,451; Oct. 9; v. 243; p. 352.
- Collar-holder. J. A. Mariner. No. 1,214,205; Jan. 30; v. 234; p. 1450.
- Collar, Horse. G. B. Goetz. No. 1,230,701; June 19; v. 239; p. 864.
- Collar, Horse. A. Thomson. No. 1,241,305; Sept. 25; v. 242; p. 915.
- Collar, Metal horse. J. N. Jämbäck and S. Saari. No. 1,234,902; July 31; v. 240; p. 1234.
- Collar molding and finishing machine. T. W. Llewellyn and J. J. Doyle. No. 1,214,196; Jan. 30; v. 234; p. 1447.
- Collar-press. H. P. Mohn. No. 1,228,466; June 5; v. 239; p. 31.
- Collar-protector. S. Schenck. No. 1,231,206; June 26; v. 239; p. 1073.
- Collar protector, Horse. F. H. Welch. No. 1,216,898; Feb. 20; v. 235; p. 936.
- Collar, Soft. E. J. Quigley. No. 1,234,567; July 24; v. 240; p. 1097.
- Collar, Soft fold. C. W. Dormandy. No. 1,231,719; July 3; v. 240; p. 63.
- Collar, Soft fold. R. C. Renihan. No. 1,223,521; Apr. 24; v. 237; p. 984.
- Collar, Soft fold. H. E. Shumway. No. 1,250,524; Dec. 18; v. 245; p. 680.
- Collar, Stock. H. F. Hurd. No. 1,246,271; Nov. 13; v. 244; p. 367.
- Collar-support. H. H. Klein. No. 1,248,341; Nov. 27; v. 244; p. 1035.
- Collar-supporter. A. M. Grean. No. 1,231,595; July 3; v. 240; p. 19.
- Collar-wrapping machine. P. G. Lehman. No. 1,224,858; May 1; v. 238; p. 262.
- Collars, Attachment for notched. P. F. Acocella. No. 1,221,010; Apr. 3; v. 237; p. 3.
- Collars of articles of wearing-apparel, Appliance for pressing the. W. Wilkie. No. 1,229,366; June 12; v. 239; p. 384.
- Collars, Support for displaying. F. E. Meinel. No. 1,250,482; Dec. 18; v. 245; p. 668.
- Collaret-machines, Folder for. L. Krug, J. P. Weis, and W. C. Robbins. No. 1,230,906; June 26; v. 239; p. 969.
- Collaret-strip. G. W. Eberley. No. 1,215,128; Feb. 6; v. 235; p. 225.
- Collecting-box, Portable. F. W. Salisbury. No. 1,215,718; Feb. 13; v. 235; p. 470.
- Collecting mechanism, Magnetically-controlled. R. F. Downey. No. 1,231,864; July 3; v. 240; p. 110.
- Collets, Device for use with. P. J. Kelley. No. 1,227,626; May 29; v. 238; p. 1356.
- Colloid, Manufacturing. W. M. Grosvenor and L. A. Beecher. No. 1,214,299; Jan. 30; v. 234; p. 1486.
- Colon-irrigator. A. R. Fisher. No. 1,211,928; Jan. 9; v. 234; p. 569.
- Color and design study. G. E. Sensency. No. 1,247,160; Nov. 20; v. 244; p. 667.
- Color-card chips, Producing. J. S. Weinberg. No. 1,232,135; July 3; v. 240; p. 203.
- Color compound, Soluble. W. Beckers and I. Dreyfus. No. 1,228,089; May 29; v. 238; p. 1515.
- Color-frame. W. E. Jolly and C. D. Fortier. No. 1,213,653; Jan. 23; v. 234; p. 1232.

Alphabetical list of inventions—Continued.

- Color-identification device. N. Macbeth. No. 1,249,443; Dec. 11; v. 243; p. 323.
- Color-lake and producing same. C. Immerheiser and A. Beyer. No. 1,232,552; July 10; v. 240; p. 370.
- Color-leaf, Manufacturing. G. Iwatsubo. No. 1,228,372; May 29; v. 238; p. 1606.
- Colors, Making phosphorescent. R. F. Langer. No. 1,244,058; Oct. 23; v. 243; p. 919.
- Colors on cotton, Fixation of acid. F. W. Weeks. No. 1,213,045; Jan. 16; v. 234; p. 988.
- Colors on textile and other materials, Producing. J. Chester. No. 1,231,492; June 26; v. 239; p. 1167.
- Coloring-matter lake and producing same. C. Immerheiser. No. 1,232,551; July 10; v. 240; p. 370.
- Colter. M. Bouzo. No. 1,221,503; Apr. 3; v. 237; p. 177.
- Colter. M. C. French. No. 1,225,949; May 15; v. 238; p. 725.
- Colter. W. Schumaker. No. 1,221,915; Apr. 10; v. 237; p. 351.
- Colter and jointer attachment for plows, Rolling. P. S. Sidell. No. 1,250,371; Dec. 18; v. 245; p. 634.
- Colter and jointer, Combined. H. S. Dickinson. No. 1,244,714; Oct. 30; v. 243; p. 1155.
- Colter, Plow-. W. W. Cameron. No. 1,244,028; Oct. 23; v. 243; p. 910.
- Colter, Plow-. C. N. White. No. 1,216,193; Feb. 13; v. 235; p. 641.
- Colter, Rolling. H. S. Dickinson. No. 1,242,154; Oct. 9; v. 243; p. 259.
- Column. H. C. Pfaff. No. 1,236,209; Aug. 7; v. 241; p. 220.
- Column and base. P. Dross and F. M. McLean. No. 1,240,959; Sept. 25; v. 242; p. 804.
- Column-clamp. I. C. Engstrom. No. 1,214,905; Feb. 6; v. 235; p. 148.
- Column-form clamp. H. P. Jungclaus. No. 1,227,798; May 29; v. 238; p. 1415.
- Column-mill. S. Cline. No. 1,249,332; Dec. 11; v. 245; p. 292.
- Column-mold. L. H. Meister. No. 1,248,691; Dec. 4; v. 245; p. 77.
- Comb: See—
- Currycomb. Honeycomb.
- Fountain-comb. Identification-comb.
- Hair-drying comb. Sanitary comb.
- Hair drying and straightening comb. Sheep-shears comb.
- Comb. W. L. Anderson. No. 1,233,956; July 17; v. 240; p. 864.
- Comb. T. C. Bamfield and G. Rechter. No. 1,250,077; Dec. 11; v. 245; p. 507.
- Comb. E. M. Jones. No. 1,226,527; May 15; v. 238; p. 920.
- Comb. S. Van Dersal. No. 1,247,908; Nov. 27; v. 244; p. 915.
- Comb attachment, Circular-. S. Hadfield. No. 1,220,626; Mar. 27; v. 236; p. 1060.
- Comb-cleaner. A. Abraham. No. 1,237,268; Aug. 21; v. 241; p. 629.
- Comb-cleaner. F. J. Colchin. No. 1,249,334; Dec. 11; v. 245; p. 293.
- Comb-cleaner. A. Foster. No. 1,216,977; Feb. 20; v. 235; p. 963.
- Comb-cleaner. J. G. Gloeckler. No. 1,250,446; Dec. 18; v. 245; p. 657.
- Comb-cleaner. P. Johnston. No. 1,245,463; Nov. 6; v. 244; p. 96.
- Comb-cleaner. F. F. Kordina. No. 1,228,221; May 29; v. 238; p. 1556.
- Comb-cleaner. A. L. Price. No. 1,215,851; Feb. 13; v. 235; p. 517.
- Comb-cleaner. G. Rechter. No. 1,239,964; Sept. 11; v. 242; p. 426.
- Comb-cleaner. C. H. Schimmelfeng. No. 1,251,292; Dec. 25; v. 245; p. 957.
- Comb-cleaner. A. Svenson. No. 1,222,484; Apr. 10; v. 237; p. 552.
- Comb-cleaning device. N. B. Chartier. No. 1,244,460; Oct. 30; v. 243; p. 1079.
- Comb-cleaning device. J. W. Hart. No. 1,220,105; Mar. 20; v. 236; p. 839.
- Comb for combing the hair. A. Wehrsen. No. 1,235,404; v. 240; p. 1386.
- Comber, Cotton-. L. W. Campbell. No. 1,221,025; Apr. 8; v. 237; p. 8.
- Comber, Heilman. G. M. Whitin. No. 1,224,985; May 8; v. 238; p. 357.
- Combining cotton and other fibers, Machine for. J. Hindley. No. 1,245,919; Nov. 6; v. 244; p. 235.
- Combining-machine. A. S. Fuller. No. 1,214,533; Feb. 6; v. 235; p. 18.
- Combining-machine. J. W. Nasmith. No. 1,239,122; Sept. 4; v. 242; p. 130.
- Combining-machine. J. W. Nasmith. No. 1,239,123; Sept. 4; v. 242; p. 130.
- Combination-chair. E. J. Floyd. No. 1,229,251; June 12; v. 239; p. 344.
- Combination-chair. E. E. Stockwell. No. 1,244,389; Oct. 23; v. 243; p. 1017.
- Combination-clamp. S. Bullum. No. 1,229,408; June 12; v. 239; p. 398.
- Combination-lock. J. Baum. No. 1,240,114; Sept. 11; v. 242; p. 469.
- Combination-lock. W. E. Blais. No. 1,222,920; Apr. 17; v. 237; p. 743.
- Combination-lock. H. H. Chrisman. No. 1,235,515; July 31; v. 240; p. 1420.
- Combination-lock. A. Guindon. No. 1,235,463; July 31; v. 240; p. 1403.
- Combination-lock. M. Haley. No. 1,212,767; Jan. 16; v. 234; p. 893.
- Combination-lock. W. Klimas. No. 1,236,945; Aug. 14; v. 241; p. 490.
- Combination-lock. R. H. McDonough. No. 1,249,440; Dec. 11; v. 245; p. 322.
- Combination-lock. L. Rial and W. Hebern. No. 1,247,150; Nov. 20; v. 244; p. 663.
- Combination-lock. J. M. Roberts. No. 1,224,569; May 1; v. 238; p. 163.
- Combination-table. C. D. Evans. No. 1,213,085; Jan. 16; v. 234; p. 1001.
- Combination-rack. C. Benson. No. 1,240,655; Sept. 18; v. 242; p. 676.
- Combustible-charge-forming device. L. B. Giddens. No. 1,218,545; Mar. 6; v. 236; p. 226.
- Combustible fluid, Manufacturing. J. R. Rose. No. 1,230,226; June 19; v. 239; p. 707.
- Combustion-accelerator. E. A. Heller. No. 1,211,149; Jan. 2; v. 234; p. 264.
- Combustion-chamber and means for controlling the admission of fuel thereto. G. A. Bertsch. No. 1,232,481; July 10; v. 240; p. 348.
- Combustion-control signal apparatus. F. D. Potter. No. 1,246,656; Nov. 13; v. 244; p. 483.
- Combustion-cylinders, Expansible tool for cleaning. W. Moister. No. 1,226,903; May 22; v. 238; p. 1084.
- Combustion-engine. G. Fornaca. No. 1,245,451; Nov. 6; v. 244; p. 93.
- Combustion-engine. E. Hurlbrink. No. 1,244,333; Oct. 23; v. 243; p. 1001.
- Combustion-engine. E. A. Sperry. No. 1,226,132; May 15; v. 238; p. 788.
- Combustion engine or motor. E. E. Freytag and A. F. Hayn. No. 1,231,871; July 3; v. 240; p. 113.
- Combustion-engine, Two-cycle. C. W. Fowler. No. 1,240,798; Sept. 18; v. 242; p. 721.
- Combustion-engine, Two-stroke. C. Rudqwest. No. 1,239,224; Sept. 4; v. 242; p. 162.
- Combustion-tubes, Lifting device for. L. S. Chadwick. No. 1,212,902; Jan. 16; v. 234; p. 938.
- Comfort-chair. A. G. Zúñiga. No. 1,231,686; July 3; v. 240; p. 51.
- Commode. J. P. Darnall. No. 1,237,483; Aug. 21; v. 241; p. 698.
- Commode. W. S. Howard. No. 1,234,476; July 24; v. 240; p. 1068.
- Commode-cover-silencing device. E. McCracken. No. 1,240,746; Sept. 18; v. 242; p. 704.
- Communications, Apparatus for use in wire or radio. L. De Forest. No. 1,221,035; Apr. 3; v. 237; p. 11.
- Commutator. A. C. Gilbert. No. 1,218,076; Mar. 6; v. 236; p. 65.
- Commutator. W. T. Hensley. No. 1,240,975; Sept. 25; v. 242; p. 809.
- Commutator. H. M. Scheibe. No. 1,241,559; Oct. 2; v. 243; p. 30.
- Commutator. C. F. Schneider. No. 1,210,703; Jan. 2; v. 234; p. 113.
- Commutator. C. J. Schwarze. No. 1,229,149; June 5; v. 239; p. 260.
- Commutator-bars, Manufacture of. J. Biggerstaff. No. 1,242,417; Oct. 9; v. 243; p. 342.
- Commutator-brush. H. K. Sandell. No. 1,222,999; Apr. 17; v. 237; p. 771.
- Commutator construction. H. K. Kouyoumjian. No. 1,219,565; Mar. 20; v. 236; p. 651.
- Commutators, Assembling. J. L. Schimmelfeng. No. 1,214,960; Feb. 6; v. 235; p. 167.
- Commutators, Building. V. G. Apple. No. 1,243,795; Oct. 23; v. 243; p. 839.
- Commutators for armatures, Building. V. G. Apple. No. 1,240,806; Sept. 25; v. 242; p. 756.
- Commutators, Manufacture of. C. W. Dunham. No. 1,233,764; July 17; v. 240; p. 800.
- Compass. R. Huntington. No. 1,215,808; Feb. 13; v. 235; p. 501.
- Compass. P. Milliken. No. 1,248,148; Nov. 27; v. 244; p. 981.
- Compass. E. J. and R. M. Ryan. No. 1,248,406; Nov. 27; v. 244; p. 1053.
- Compass and protractor, Combination. M. V. Wolf. No. 1,244,272; Oct. 23; v. 243; p. 984.
- Compass, Beam-. S. Jachimowicz. No. 1,240,853; Sept. 25; v. 242; p. 771.
- Compass for ships or the like. W. Otto. No. 1,231,933; July 3; v. 240; p. 133.
- Compass, Gyro-. J. Perry and S. G. Brown. No. 1,240,872; Sept. 25; v. 242; p. 777.
- Compass, Gyroscopic. J. Toyokawa. No. 1,233,527; July 17; v. 240; p. 725.
- Compass, Magnetic. F. O. Creagh-Osborne and A. J. Hughes. No. 1,216,953; Feb. 20; v. 235; p. 954.
- Compass, Non-magnetic. E. Klahn. No. 1,250,592; Dec. 18; v. 245; p. 702.
- Compass, Recording-. B. W. Benbow. No. 1,216,200; Feb. 13; v. 235; p. 643.

- Compass, Recording. B. W. Benbow. No 1,216,201; Feb. 13; v. 235; p. 643.
- Compass set, Ship's gyroscope. E. A. Sperry. No. 1,242,065; Oct. 2; v. 243; p. 189.
- Compasses. C. F. Mooney. No. 1,235,715; Aug. 7; v. 241; p. 59.
- Compasses, Attachment for gyroscopic. G. A. Rossiter and J. E. Beattie. No. 1,221,477; Apr. 3; v. 237; p. 167.
- Compensating device, Automatic. M. Johnson. No. 1,228,678; June 5; v. 239; p. 103.
- Compensating device, Automatic. G. Mertelmeyer. No. 1,228,803; June 5; v. 239; p. 147.
- Composing-machines, Repeat mechanism for. J. S. Bancroft, M. C. Indahl, and J. O. Hofberg. No. 1,220,058; Mar. 20; v. 236; p. 822.
- Composite bench. S. H. Gartrell. No. 1,223,576; Apr. 24; v. 237; p. 1002.
- Composite bimetallic articles, Making. C. I. Hall. No. 1,250,862; Dec. 18; v. 245; p. 781.
- Composite sheet material. N. D. Crawford. No. 1,245,196; Nov. 6; v. 244; p. 17.
- Composite machine-tool. F. W. H. Shepherd. No. 1,250,234; Dec. 18; v. 245; p. 593.
- Composite substances, Apparatus for operating upon. A. Fay. No. 1,210,779; Jan. 2; v. 234; p. 137.
- Composite substances, Apparatus for operating upon. A. Fay. No. 1,210,780; Jan. 2; v. 234; p. 138.
- Composite substances, Apparatus for operating upon. A. Fay. No. 1,210,781; Jan. 2; v. 234; p. 138.
- Composite substances, Apparatus for operating upon. A. Fay. No. 1,210,783; Jan. 2; v. 234; p. 139.
- Composition board, Apparatus for manufacturing. J. Ferla. No. 1,219,448; Mar. 20; v. 236; p. 609.
- Composition-board-forming machine. R. A. Plumb and C. R. Weed. No. 1,232,078; July 3; v. 240; p. 183.
- Composition-board forming machine. R. A. Plumb, W. S. Seymour, and C. R. Weed. No. 1,236,006; Aug. 7; v. 241; p. 157.
- Composition carrier or holder. H. F. Marston. No. 1,214,051; Jan. 30; v. 234; p. 1399.
- Composition, Liquid. H. Hibbert. No. 1,213,368; Jan. 23; v. 234; p. 1135.
- Composition of matter. W. A. Day. No. 1,239,465; Sept. 11; v. 242; p. 267.
- Composition of matter. G. Falconer. No. 1,215,358; Feb. 13; v. 235; p. 339.
- Composition of matter. A. W. Fisher. No. 1,247,522; Nov. 20; v. 244; p. 769.
- Composition of matter. B. B. Goldsmith. No. 1,228,428; June 5; v. 239; p. 19.
- Composition of matter. C. L. Jones. No. 1,244,742; Oct. 30; v. 243; p. 1164.
- Composition of matter for preparing foods and making same. H. W. Wiley. No. 1,230,452; June 19; v. 239; p. 780.
- Composition, Roadway. R. F. Tompkins. No. 1,213,555; Jan. 23; v. 234; p. 1200.
- Composition tie and rail-fastener. E. H. Havens. No. 1,241,970; Oct. 2; v. 243; p. 159.
- Compound engine. A. Moraski. No. 1,239,029; Sept. 4; v. 242; p. 99.
- Compound, Metallic. H. B. Coho. No. 1,217,710; Feb. 27; v. 235; p. 1263.
- Compound, Metallic. H. B. Coho. No. 1,217,711; Feb. 27; v. 235; p. 1263.
- Compressed-air engine. A. B. Webb. No. 1,227,715; May 29; v. 238; p. 1387.
- Compressed-air power system. B. V. Nordberg. No. 1,231,051; June 26; v. 239; p. 1021.
- Compressible-fluid washer. A. W. Lissauer. No. 1,223,082; Apr. 17; v. 237; p. 799.
- Compressing and sheeting loose materials, Mechanism for. R. A. Stubbs. No. 1,248,747; Dec. 4; v. 245; p. 95.
- Compressing apparatus. J. N. Wood. No. 1,229,563; June 12; v. 239; p. 451.
- Compressing machine, Material. I. Foreman. No. 1,250,702; Dec. 18; v. 245; p. 733.
- Compression and suction device. J. B. Vernon. No. 1,210,730; Jan. 2; v. 234; p. 122.
- Compression-box. J. F. Douthat and S. J. Ellis. No. 1,247,941; Nov. 27; v. 244; p. 924.
- Compression-brake. B. L. Campbell. No. 1,247,930; Nov. 27; v. 244; p. 921.
- Compressor. R. Conrader. No. 1,239,567; Sept. 11; v. 242; p. 299.
- Compressor. W. H. Howe. No. 1,225,817; May 15; v. 238; p. 681.
- Compressor. E. M. Niebling. No. 1,233,693; July 17; v. 240; p. 779.
- Compressor. J. C. Scovel, Jr. No. 1,218,903; Mar. 13; v. 236; p. 393.
- Compressor. S. G. Skinner. No. 1,240,892; Sept. 25; v. 242; p. 783.
- Compressor. W. E. Ver Planck. No. 1,242,276; Oct. 9; v. 243; p. 296.
- Compressor and disintegrator, Endless-apron. J. A. Anderson. No. 1,224,993; May 8; v. 238; p. 360.
- Compressor and operating it. Rotary. A. Hinz. No. 1,216,119; Feb. 13; v. 235; p. 614.
- Compressor, Centrifugal. E. M. Phillips. No. 1,250,005; Dec. 11; v. 245; p. 486.
- Compressor, Centrifugal. C. A. Schellens and G. W. Pen-theny. No. 1,250,029; Dec. 11; v. 245; p. 493.
- Compressor-exhauster, Rotary. J. Johnston. No. 1,233,581; July 17; v. 240; p. 744.
- Compressor, Multistage. N. J. Parker. No. 1,224,661; May 1; v. 238; p. 194.
- Compressor, Rotary. C. E. Kells. No. 1,211,169; Jan. 2; v. 234; p. 271.
- Compressor-unloader. R. Conrader. No. 1,239,566; Sept. 11; v. 242; p. 298.
- Compressors and pumps, Regulating mechanism for centrifugal. O. Banner. No. 1,222,352; Apr. 10; v. 237; p. 504.
- Compressors, Cooling centrifugal. F. E. Norton. No. 1,251,410; Dec. 25; v. 245; p. 991.
- Compressors for starting, Mechanism for unloading. B. S. Aikman. No. 1,230,834; June 26; v. 239; p. 947.
- Compressors for starting, Mechanism for unloading. W. J. Richards. No. 1,230,925; June 26; v. 239; p. 976.
- Compressors, Regulating mechanism for centrifugal. O. Banner. No. 1,240,531; Sept. 18; v. 242; p. 639.
- Compressors, Regulator for fluid. E. L. Buckley. No. 1,240,539; Sept. 18; v. 242; p. 642.
- Compressors, Relief device for. R. Conrader. No. 1,239,568; Sept. 11; v. 242; p. 299.
- Compressors, Unloading and capacity-regulating mechanism for. B. V. Novdberg. No. 1,239,946; Sept. 11; v. 242; p. 420.
- Computer, Time-. H. H. Allison. No. 1,237,271; Aug. 21; v. 241; p. 630.
- Computing and recording machine. E. C. Walter. No. 1,224,873; May 1; v. 238; p. 267.
- Computing device. C. R. Bannhr. No. 1,214,262; Jan. 30; v. 234; p. 1470.
- Computing device. W. H. Matthews. No. 1,238,800; Sept. 4; v. 242; p. 25.
- Computing device. C. R. Rings. No. 1,229,522; June 12; v. 239; p. 436.
- Computing device, Pay-roll. A. L. Streamberg. No. 1,234,956; July 31; v. 240; p. 1252.
- Computing-head-setting mechanism. W. Wright. No. 1,244,574; Oct. 30; v. 243; p. 1113.
- Computing-machine. J. R. Combs. No. 1,218,376; Mar. 6; v. 236; p. 170.
- Computing-machine. A. S. Dennis. No. 1,248,281; Nov. 27; v. 244; p. 1020.
- Computing-machine. F. A. Hart. No. 1,212,895; Jan. 16; v. 234; p. 935.
- Computing-machine. C. Schaller. No. 1,220,008; Mar. 20; v. 236; p. 803.
- Computing-machine. R. H. Strother. No. 1,214,608; Feb. 6; v. 235; p. 44.
- Computing-machine. J. N. Thornton. No. 1,228,148; May 29; v. 238; p. 1533.
- Computing-machine. C. Wales. No. 1,232,739; July 10; v. 240; p. 432.
- Computing-machine. W. Wright. No. 1,216,758; Feb. 20; v. 235; p. 889.
- Computing-machine. W. Wright. No. 1,216,759; Feb. 20; v. 235; p. 890.
- Computing machine, Electrical horse-power. B. E. Clough. No. 1,221,681; Apr. 3; v. 237; p. 235.
- Computing machine, Mechanically-operated horse-power. B. E. Clough. No. 1,242,771; Oct. 9; v. 243; p. 455.
- Computing mechanism. O. O. Martin. No. 1,234,368; July 24; v. 240; p. 1033.
- Concentrating-table. E. Deister. No. 1,211,364; Jan. 2; v. 234; p. 336.
- Concentrating-table. H. W. Faust. No. 1,210,778; Jan. 2; v. 234; p. 137.
- Concentrating-table, Pneumatic. C. Q. Payne. No. 1,212,393; Jan. 16; v. 234; p. 759.
- Concentrator. C. E. Beyer. No. 1,221,659; Apr. 3; v. 237; p. 227.
- Concentrator. J. B. Freeman. No. 1,232,783; July 10; v. 240; p. 447.
- Concentrator. A. O. Gates. No. 1,213,348; Jan. 23; v. 234; p. 1128.
- Concentrator. J. B. Green. No. 1,216,798; Feb. 20; v. 330; p. 904.
- Concentrator. W. A. Huelsdonk. No. 1,244,611; Oct. 30; v. 243; p. 1123.
- Concentrator. J. F. Isbell. No. 1,227,792; May 29; v. 238; p. 1413.
- Concentrator. H. L. Sherwood. No. 1,219,048; Mar. 13; v. 236; p. 442.
- Concentrator, classifier, and separator, Rotary. H. Hertzberg. No. 1,236,839; Aug. 14; v. 241; p. 455.
- Concentrators, Attachment for. F. R. Hardie. No. 1,249,078; Dec. 4; v. 245; p. 188.
- Concrete and other material, Apparatus for delivering. C. W. Levalley and S. Shafer, Jr. No. 1,230,820; June 19; v. 239; p. 902.
- Concrete and plaster, Sheet-metal reinforcing member for. C. P. Curlewis. No. 1,245,198; Nov. 6; v. 244; p. 17.
- Concrete and the like, Mixing. E. C. Woodward. No. 1,218,347; Mar. 6; v. 236; p. 160.
- Concrete arch and constructing. W. C. Furry. No. 1,248,643; Dec. 4; v. 245; p. 64.
- Concrete-arch form. T. R. Anderson. No. 1,223,926; Apr. 24; v. 237; p. 1126.
- Concrete beams, Reinforcement system for. R. B. Hartman. No. 1,240,137; Sept. 11; v. 242; p. 475.
- Concrete block adapted to snugly fit the rails, Monolithic. A. Garrivier. No. 1,212,046; Jan. 9; v. 234; p. 608.

Alphabetical list of inventions—Continued.

- Concrete-block carrier. R. F. Downey. No. 1,235,017; July 31; v. 240; p. 1271.
- Concrete-block machine. F. H. Folden. No. 1,226,873; May 22; v. 238; p. 1075.
- Concrete-block machine. S. D. Lindsay. No. 1,241,228; Sept. 25; v. 242; p. 888.
- Concrete-block machine. J. H. Oberle. No. 1,221,367; Apr. 3; v. 237; p. 128.
- Concrete-block machine. J. T. Smith. No. 1,232,988; July 10; v. 240; p. 513.
- Concrete-block machine, Multimolding. F. H. Folden. No. 1,226,765; May 22; v. 238; p. 1038.
- Concrete-block-machine tamping device. P. N. Nelson. No. 1,220,532; Mar. 27; v. 236; p. 1027.
- Concrete-block-making machine. J. A. Ferguson. No. 1,214,530; Feb. 6; v. 235; p. 17.
- Concrete-block-making machine. J. A. Ferguson. No. 1,237,887; Aug. 21; v. 241; p. 826.
- Concrete-block-making machine. J. D. Lodge and W. C. Pell. No. 1,220,521; Mar. 27; v. 236; p. 1023.
- Concrete-block-making machine. G. F. Simmons. No. 1,245,994; Nov. 6; v. 244; p. 253.
- Concrete-block mold. G. C. Henkle. No. 1,242,439; Oct. 9; v. 243; p. 348.
- Concrete-block mold. J. H. Irely. No. 1,233,241; July 10; v. 240; p. 593.
- Concrete-block mold. F. J. Marx and B. A. Steinke. No. 1,214,810; Feb. 6; v. 235; p. 112.
- Concrete-block-molding machine. J. O. Davison. No. 1,241,932; Oct. 2; v. 243; p. 148.
- Concrete-block-molding machine. W. Graf and C. F. Nickel. No. 1,238,132; Aug. 28; v. 241; p. 939.
- Concrete-block-pressing machine. S. R. Brygider. No. 1,221,284; Apr. 3; v. 237; p. 101.
- Concrete blocks. Making. T. Cornuelle. No. 1,233,847; July 17; v. 240; p. 828.
- Concrete blocks. Mold for casting poured. W. D. Moore. No. 1,215,961; Feb. 13; v. 235; p. 557.
- Concrete blocks. Mold for the manufacture of. T. Cornuelle. No. 1,233,848; July 17; v. 240; p. 829.
- Concrete blocks. Mold for the manufacture of. Z. J. Peterson and W. P. Wilson. No. 1,247,573; Nov. 20; v. 244; p. 783.
- Concrete bridge construction. H. L. Pegram. No. 1,225,485; May 8; v. 238; p. 527.
- Concrete bridge structure, Reinforced. M. O. Burnett. No. 1,237,615; Aug. 21; v. 241; p. 741.
- Concrete bridges, floors, and the like, Centering for reinforced. W. J. Watson. No. 1,219,608; Mar. 20; v. 236; p. 665.
- Concrete building. K. R. Schuster. No. 1,217,645; Feb. 27; v. 235; p. 1242.
- Concrete building apparatus. C. Stieler. No. 1,229,163; June 5; v. 239; p. 264.
- Concrete building-block. H. E. Willsie. No. 1,234,244; July 24; v. 240; p. 992.
- Concrete building construction. E. A. Tucker. No. 1,244,663; Oct. 30; v. 243; p. 1139.
- Concrete building construction, Reinforced. O. S. Clark. No. 1,231,240; June 26; v. 239; p. 1084.
- Concrete building construction, Reinforced. O. S. Clark. No. 1,249,031; Dec. 4; v. 243; p. 175.
- Concrete building slab or block. M. Moore. No. 1,236,387; Aug. 7; v. 241; p. 272.
- Concrete buildings, Constructing. T. A. Edison. No. 1,219,272; Mar. 13; v. 236; p. 518.
- Concrete-casting machine. W. C. Polk. No. 1,225,356; May 8; v. 238; p. 484.
- Concrete ceilings. Mold for forming ornamental. W. F. Tubising. No. 1,236,628; Aug. 14; v. 241; p. 385.
- Concrete-cleaner. R. C. Stubbs. No. 1,214,093; Jan. 30; v. 234; p. 1413.
- Concrete columns, Means for forming. J. C. Eberle and B. Storch. No. 1,231,342; June 26; v. 239; p. 1117.
- Concrete columns, Mold for. D. Bratter. No. 1,250,956; Dec. 25; v. 245; p. 859.
- Concrete, Combined mold and face-plate for. G. Benisch. No. 1,216,649; Feb. 20; v. 235; p. 852.
- Concrete construction. A. C. Rogalske. No. 1,233,508; July 17; v. 240; p. 718.
- Concrete construction, False work for. H. Fouse. No. 1,220,083; Mar. 20; v. 236; p. 831.
- Concrete-construction form. H. L. Wells. No. 1,220,910; Mar. 27; v. 236; p. 1156.
- Concrete construction, Form for. H. J. Baker. No. 1,222,349; Apr. 10; v. 237; p. 504.
- Concrete construction, Form for. F. P. Kemon. No. 1,212,499; Jan. 16; v. 234; p. 797.
- Concrete-construction mold. P. H. Clinkunbroomer. No. 1,239,462; Sept. 11; v. 242; p. 265.
- Concrete-construction mold. F. M. Vogan. No. 1,224,584; May 1; v. 238; p. 168.
- Concrete-construction mold, Sectional. C. H. Schub. No. 1,250,032; Dec. 11; v. 245; p. 494.
- Concrete construction, Reinforced. M. E. Chamberlain. No. 1,250,966; Dec. 25; v. 245; p. 862.
- Concrete construction, Reinforced. P. S. Easterday. No. 1,226,954; May 22; v. 238; p. 1102.
- Concrete construction, Reinforced. E. L. Heidenreich and W. A. Collings. No. 1,213,483; Jan. 23; v. 234; p. 1174.
- Concrete construction, Reinforced. E. Smulski. No. 1,223,529; Apr. 24; v. 237; p. 987.
- Concrete construction, Reinforced. H. L. Wells. No. 1,220,915; Mar. 27; v. 236; p. 1156.
- Concrete construction, Reinforced. J. Wunder. No. 1,248,049; Nov. 27; v. 244; p. 952.
- Concrete construction without coffering, Mixed reinforced. J. Berliat. No. 1,241,187; Sept. 25; v. 242; p. 875.
- Concrete constructions, Expansion-joint for. J. A. De Mond. No. 1,239,573; Sept. 11; v. 242; p. 301.
- Concrete constructions, False work for. C. A. Hammett. (Reissue.) No. 14,278; Mar. 27; v. 236; p. 1188.
- Concrete-conveyers, Section-elbow for. J. C. K. Stuart. No. 1,211,784; Jan. 9; v. 234; p. 515.
- Concrete coverings, Reinforcement for. A. B. Tappen. No. 1,210,560; Jan. 2; v. 234; p. 63.
- Concrete cribbing, Reinforced. C. F. Buente. No. 1,248,070; Nov. 27; v. 244; p. 958.
- Concrete-culvert form. R. J. Burns. No. 1,224,900; May 8; v. 238; p. 328.
- Concrete-culvert form. G. W. Storms. No. 1,211,890; Jan. 9; v. 234; p. 555.
- Concrete-culvert form. B. Taylor. No. 1,238,456; Aug. 28; v. 241; p. 1045.
- Concrete-culvert form, Adjustable. R. Burkholder. No. 1,219,434; Mar. 20; v. 236; p. 604.
- Concrete-culvert mold. H. F. Worley. No. 1,243,910; Oct. 23; v. 243; p. 875.
- Concrete culvert or bridge. S. C. Caldwell. No. 1,212,452; Jan. 16; v. 234; p. 780.
- Concrete culverts, sewers, flumes, and similar arched structures, Sectional form for construction of. F. J. Bull. No. 1,249,084; Dec. 4; v. 245; p. 190.
- Concrete-curb-making mold. J. R. Zeiser. No. 1,214,870; Feb. 6; v. 235; p. 134.
- Concrete curbing and the like, Corner-guard for. A. E. Davis. No. 1,245,689; Nov. 6; v. 244; p. 166.
- Concrete-distributing apparatus. G. Jaeger. No. 1,248,662; Dec. 4; v. 245; p. 69.
- Concrete-distributing apparatus. A. D. Mosby. No. 1,222,016; Apr. 10; v. 237; p. 386.
- Concrete door and window frame construction, Reinforced. E. L. Klingensmith. No. 1,229,293; June 12; v. 239; p. 359.
- Concrete-drill holder. H. W. Kane. No. 1,217,606; Feb. 27; v. 235; p. 1227.
- Concrete fence-post. A. Armstrong. No. 1,234,601; July 24; v. 240; p. 1107.
- Concrete fence, Steel-reinforced. T. F. Graham. No. 1,247,107; Nov. 20; v. 244; p. 651.
- Concrete, Float for. G. C. Walker. No. 1,234,984; July 31; v. 240; p. 1261.
- Concrete floor and column construction. E. A. Durkee and C. E. Prince. No. 1,238,726; Aug. 28; v. 241; p. 1128.
- Concrete floor construction, Combination tile and gage member for reinforced. W. B. Hough. No. 1,214,790; Feb. 6; v. 235; p. 106.
- Concrete floor construction, Reinforced. O. W. Norcross. No. 1,247,865; Nov. 27; v. 244; p. 902.
- Concrete floor construction, Reinforced. W. M. Pratt. No. 1,244,641; Oct. 30; v. 243; p. 1132.
- Concrete floor structure, Reinforced. J. R. O'Donnell. No. 1,217,985; Mar. 6; v. 236; p. 34.
- Concrete floors and roofs, Centering for reinforced. A. Jordahl. No. 1,241,124; Sept. 25; v. 242; p. 854.
- Concrete floors, Apparatus for constructing. N. F. Ambursen. No. 1,216,644; Feb. 20; v. 235; p. 851.
- Concrete floors, Apparatus for constructing ribbed. A. J. Widmer. No. 1,238,858; Sept. 4; v. 242; p. 44.
- Concrete floors, Forming reinforced. G. M. Graham, Jr. No. 1,224,375; May 1; v. 238; p. 93.
- Concrete floors, Hollow block for reinforced. F. Burchartz. No. 1,219,532; Mar. 20; v. 236; p. 639.
- Concrete floors, Hollow metal tile for reinforced. G. B. Waite. No. 1,241,793; Oct. 2; v. 243; p. 103.
- Concrete flooring and composition therefor. C. Ellis. No. 1,246,827; Nov. 13; v. 244; p. 533.
- Concrete flower-pot, Reinforced. E. B. Williams. No. 1,224,820; May 1; v. 238; p. 250.
- Concrete-form. H. O. Davidson and W. P. Cunningham. No. 1,249,039; Dec. 4; v. 245; p. 177.
- Concrete-form. J. L. Janisch. No. 1,217,003; Feb. 20; v. 235; p. 972.
- Concrete-form. S. R. McKay. No. 1,212,654; Jan. 16; v. 234; p. 854.
- Concrete-form. S. R. McKay. No. 1,228,037; May 29; v. 238; p. 1497.
- Concrete-form, Adjustable. J. P. Halgren. No. 1,212,211; Jan. 16; v. 234; p. 693.
- Concrete-form clamp. F. G. and H. O. McMillan. No. 1,216,825; Feb. 20; v. 235; p. 912.
- Concrete-form device. A. Colarusso. No. 1,243,713; Oct. 23; v. 243; p. 811.
- Concrete-form fastener. J. C. Boehm. No. 1,212,317; Jan. 16; v. 234; p. 734.
- Concrete-gages, Guide-bar support for. H. C. Struchen. No. 1,212,843; Jan. 16; v. 234; p. 918.
- Concrete head-walls for culvert-pipes, Adjustable sectional metallic forms for. M. F. Crahan. No. 1,217,571; Feb. 27; v. 235; p. 1214.
- Concrete house and cave building form. F. A. Cook. No. 1,215,318; Feb. 6; v. 235; p. 291.
- Concrete-insert. A. E. Davis. No. 1,241,827; Oct. 2; v. 243; p. 115.

- Concrete-insert. H. Dippel. No. 1,218,378; Mar. 6; v. 236; p. 171.
- Concrete-insert. H. B. Newhall, Jr., and H. W. Fleister. No. 1,212,990; Jan. 16; v. 234; p. 970.
- Concrete-laying machine. E. I. Davis. No. 1,250,809; Dec. 18; v. 245; p. 766.
- Concrete mangers, Apparatus for constructing. W. Loudon. No. 1,234,944; July 31; v. 240; p. 1248.
- Concrete. Method of and apparatus for mixing and delivering. J. H. MacMichael. No. 1,250,918; Dec. 18; v. 245; p. 797.
- Concrete-mixer. J. P. and M. Gilson. No. 1,237,028; Aug. 14; v. 241; p. 517.
- Concrete-mixer. L. C. Hamel. No. 1,223,385; Apr. 24; v. 237; p. 934.
- Concrete-mixer. E. S. McCandless. No. 1,224,656; May 1; v. 238; p. 192.
- Concrete-mixer. H. W. Nelson. No. 1,235,589; Aug. 7; v. 241; p. 20.
- Concrete-mixer. A. G. Olsen. No. 1,221,368; Apr. 3; v. 237; p. 129.
- Concrete-mixer. A. W. Ransome. No. 1,220,683; Mar. 27; v. 236; p. 1078.
- Concrete-mixer. A. W. Ransome. No. 1,247,148; Nov. 20; v. 244; p. 662.
- Concrete-mixer. F. A. Roosa. No. 1,245,973; Nov. 6; v. 244; p. 249.
- Concrete mixer and conveyer. S. E. Pfahler. No. 1,213,407; Jan. 23; v. 234; p. 1147.
- Concrete-mixer-loading bucket. E. H. Lichtenberg. No. 1,223,185; Apr. 17; v. 237; p. 836.
- Concrete-mixers, Device for loading. N. M. Rosendahl. No. 1,226,261; May 15; v. 238; p. 836.
- Concrete-mixers, Means for supplying water to. G. Jaeger. No. 1,241,518; Oct. 2; v. 243; p. 15.
- Concrete-mixers, Proportionate feeding device for. W. Kilmer, Sr. No. 1,247,409; Nov. 20; v. 244; p. 736.
- Concrete mixing and distributing system. T. S. Leake. No. 1,215,558; Feb. 13; v. 235; p. 411.
- Concrete, Mixing and transporting. D. S. Humphrey. No. 1,220,338; Mar. 27; v. 236; p. 960.
- Concrete-mixing apparatus. A. E. Davis. No. 1,233,198; July 10; v. 240; p. 582.
- Concrete-mixing apparatus. C. W. Levalley. No. 1,230,731; June 19; v. 239; p. 872.
- Concrete-mixing machine. W. Acheson. No. 1,211,270; Jan. 2; v. 234; p. 309.
- Concrete-mold. W. D. Horning. No. 1,233,878; July 17; v. 240; p. 838.
- Concrete-mold. J. F. Ross. No. 1,214,829; Feb. 6; v. 235; p. 120.
- Concrete, Mold for constructing hollow walls of. A. Gendron and J. R. Richardson. No. 1,240,436; Sept. 18; v. 242; p. 609.
- Concrete-mold, Hollow-wall. S. R. McKay. No. 1,236,852; Aug. 14; v. 241; p. 459.
- Concrete-molds, Collapsible core for. S. F. Wazbinski. No. 1,242,098; Oct. 2; v. 243; p. 197.
- Concrete, Molding. E. S. Parsons. No. 1,241,144; Sept. 25; v. 242; p. 862.
- Concrete-molding apparatus. C. W. Rodgers. No. 1,220,461; Mar. 27; v. 236; p. 1004.
- Concrete or plaster floor construction, Core for reinforced. C. F. Henning. No. 1,218,999; Mar. 13; v. 236; p. 426.
- Concrete or plastic slab, Reinforced. R. L. Day. No. 1,229,904; June 12; v. 239; p. 564.
- Concrete or reinforced-concrete (ferroconcrete) piles, Making. O. Wilhelmi. No. 1,213,441; Jan. 23; v. 234; p. 1160.
- Concrete pavement. A. R. Paddock. No. 1,231,419; June 26; v. 239; p. 1144.
- Concrete paving, Joint-filler for. L. R. Ferguson. No. 1,223,045; Apr. 17; v. 237; p. 787.
- Concrete pile and making the same, Reinforced. J. E. Wilhelm. No. 1,225,385; May 8; v. 238; p. 494.
- Concrete piles, Hollow core for use in making. J. B. Goldsborough. No. 1,236,556; Aug. 14; v. 241; p. 363.
- Concrete-pipe joint. A. M. Hirsh and T. L. McLenon. No. 1,216,317; Feb. 20; v. 235; p. 735.
- Concrete-pipe joint. M. J. Wyers. No. 1,241,323; Sept. 25; v. 242; p. 920.
- Concrete piling and piling element. M. M. Upson. No. 1,212,437; Jan. 23; v. 234; p. 1158.
- Concrete-pole machine, Centrifugal. W. H. Liénesch. No. 1,222,958; Apr. 17; v. 237; p. 757.
- Concrete posts or masts, Skeleton frame for armored. C. Salvatierra-Iriarte. No. 1,215,872; Feb. 13; v. 235; p. 525.
- Concrete preparing and handling apparatus. T. S. Leake. No. 1,215,559; Feb. 13; v. 235; p. 412.
- Concrete preparing and handling apparatus. T. S. Leake. No. 1,215,560; Feb. 13; v. 235; p. 412.
- Concrete-reinforcement. G. B. Waite. No. 1,239,649; Sept. 11; v. 242; p. 324.
- Concrete-reinforcements, Spring-metal clip for uniting and supporting. A. H. Symons. No. 1,213,919; Jan. 30; v. 234; p. 1353.
- Concrete-reinforcing bar. W. P. Mullane and W. Wuthenow. No. 1,247,862; Nov. 27; v. 244; p. 901.
- Concrete-reinforcing means. E. Smulski. No. 1,245,395; Nov. 6; v. 244; p. 75.
- Concrete-reinforcing plate. A. Ratner. No. 1,242,039; Oct. 2; v. 243; p. 181.
- Concrete road and structure. E. Becker. No. 1,223,240; Apr. 17; v. 237; p. 851.
- Concrete road-beds, Apparatus for leveling and tamping. M. A. Connelly. No. 1,238,497; Aug. 28; v. 241; p. 1058.
- Concrete roadways, Clamp for joint-fillers in. F. P. Obenauer. No. 1,236,972; Aug. 14; v. 241; p. 498.
- Concrete sections, Expansion-joint for. W. E. Leach. No. 1,241,405; Sept. 25; v. 242; p. 944.
- Concrete sheet piling or sheathing, Reinforced. T. L. MacBean. No. 1,249,442; Dec. 11; v. 245; p. 323.
- Concrete silos and similar structures, Apparatus for erecting. E. K. Conklin. No. 1,213,838; Jan. 30; v. 234; p. 1325.
- Concrete silos, Form for constructing. J. T. Gandy. No. 1,237,774; Aug. 21; v. 241; p. 792.
- Concrete sky-vault or floor lights, Means for use in making. F. J. Geiger and A. E. Davis. No. 1,211,133; Jan. 2; v. 234; p. 258.
- Concrete-slab form. R. L. White. No. 1,222,704; Apr. 17; v. 237; p. 670.
- Concrete slab or block molding device. M. Moore. No. 1,219,131; Mar. 13; v. 236; p. 470.
- Concrete-step mold. T. H. Baldwin. No. 1,219,689; Mar. 20; v. 236; p. 693.
- Concrete-structure mold. W. A. P. Moncure. No. 1,221,567; Apr. 3; v. 237; p. 199.
- Concrete structure, Reinforced. W. P. Cowles. (Reissue.) No. 14,336; July 31; v. 240; p. 1430.
- Concrete structure, Reinforced. R. B. Tufts. No. 1,217,535; Feb. 27; v. 235; p. 1203.
- Concrete structure, Sectional. F. S. Wendelken. No. 1,220,305; Mar. 27; v. 236; p. 947.
- Concrete structures, Adjustable form for. A. C. Fitch. No. 1,227,769; May 29; v. 238; p. 1405.
- Concrete structures, Adjustable mold for building. S. B. Davis. No. 1,236,824; Aug. 14; v. 241; p. 451.
- Concrete structures, Apparatus for building. L. A. Barnes. No. 1,211,812; Jan. 9; v. 234; p. 526.
- Concrete structures, dams, walls, bridges, conduits, sewers, pavements, &c., Making. F. S. Lamson. No. 1,249,290; Dec. 4; v. 245; p. 250.
- Concrete structures, Facing-bar for. D. W. Brooks. No. 1,244,831; Oct. 30; v. 243; p. 1190.
- Concrete structures, Method of and means for preventing the disintegration of. H. P. Brown. No. 1,230,373; June 19; v. 239; p. 754.
- Concrete structures, Mold for casting. E. P. Henry. No. 1,239,390; Sept. 4; v. 242; p. 214.
- Concrete structures, Mold for forming. W. C. Furry. No. 1,233,567; July 17; v. 240; p. 739.
- Concrete structures, Secondary reinforcement for. R. B. Hartman. No. 1,233,053; July 10; v. 240; p. 533.
- Concrete structural members, Method and means for forming. M. Fletcher. No. 1,241,945; Oct. 2; v. 243; p. 152.
- Concrete tank. J. F. Harris. No. 1,221,728; Apr. 3; v. 237; p. 252.
- Concrete tie. I. S. Fisher. No. 1,240,039; Sept. 11; v. 242; p. 447.
- Concrete tie. J. H. McKay. No. 1,249,977; Dec. 11; v. 245; p. 479.
- Concrete tile for building construction. L. D. Harter. No. 1,251,019; Dec. 25; v. 245; p. 878.
- Concrete-tile form. G. G. Cress. No. 1,212,021; Jan. 9; v. 234; p. 600.
- Concrete wall and arch mold. R. T. Wales. No. 1,211,901; Jan. 9; v. 234; p. 559.
- Concrete wall construction. L. C. Egloff. No. 1,240,690; Sept. 18; v. 242; p. 687.
- Concrete walls and the like, Construction of ferro-. C. M. Burnett. No. 1,237,999; Aug. 21; v. 241; p. 862.
- Concrete walls, Apparatus for constructing. G. S. Mumford. No. 1,218,445; Mar. 6; v. 236; p. 193.
- Concrete walls, Apparatus for molding hollow. E. J. Bosma. No. 1,246,532; Nov. 13; v. 244; p. 446.
- Concrete walls, Collapsible form for. P. D. Skahen. No. 1,214,233; Jan. 30; v. 234; p. 1460.
- Concrete walls, Mold for constructing. A. Gendron and J. R. Richardson. No. 1,240,435; Sept. 18; v. 242; p. 609.
- Concrete walls, Sheet-metal form for. P. D. Skahen. No. 1,246,337; Nov. 13; v. 244; p. 387.
- Concrete-waterproofing powder. W. M. Harrison. No. 1,221,445; Apr. 3; v. 237; p. 156.
- Concrete work, Flush-insert for. D. L. Cummings. No. 1,244,034; Oct. 23; v. 243; p. 912.
- Concrete-work form. R. T. Bagby. No. 1,235,542; Aug. 7; v. 241; p. 3.
- Concrete work, Tamper and templet for. C. H. Henderson. No. 1,220,986; Mar. 27; v. 236; p. 1180.
- Condensation product. C. P. Steinmetz. No. 1,215,072; Feb. 6; v. 235; p. 208.
- Condensation product and making same. W. A. Beatty. No. 1,225,748; May 15; v. 238; p. 658.
- Condensation product and preparing same. L. V. Redman, A. J. Welth, and F. P. Brock. No. 1,242,593; Oct. 9; v. 243; p. 399.
- Condensation products and product thereof, Producing insoluble. F. Pollak. No. 1,216,728; Feb. 20; v. 235; p. 879.
- Condensation products, Manufacture of insoluble. F. Pollak. No. 1,211,227; Jan. 2; v. 234; p. 293.

Alphabetical list of inventions—Continued.

- Condensation products, Production of resinlike. F. Polak. No. 1,210,982; Jan. 2; v. 234; p. 209.
- Condenser. G. P. Carroll. No. 1,219,535; Mar. 20; v. 236; p. 640.
- Condenser. H. P. Donle. No. 1,240,958; Sept. 25; v. 242; p. 804.
- Condenser. H. C. Heaton. No. 1,232,304; July 3; v. 240; p. 257.
- Condenser. E. G. Helander. No. 1,248,112; Nov. 27; v. 244; p. 970.
- Condenser. F. H. Lull. No. 1,243,536; Oct. 16; v. 243; p. 723.
- Condenser. C. H. Snow. No. 1,233,138; July 10; v. 240; p. 561.
- Condenser. C. M. Yates. No. 1,239,067; Sept. 4; v. 242; p. 111.
- Condenser. A. K. Whitelaw. No. 1,237,848; Aug. 21; v. 241; p. 815.
- Condenser, Barometric. C. J. Mesta and C. L. W. Trinks. No. 1,224,310; May 1; v. 238; p. 70.
- Condenser-coil. W. L. Finne. No. 1,244,722; Oct. 30; v. 243; p. 1158.
- Condenser, Electrical. P. Dubilier. No. 1,229,914; June 12; v. 239; p. 567.
- Condenser, Electrical. W. Dubilier. No. 1,229,915; June 12; v. 239; p. 567.
- Condenser for cooling aeriform fluid. H. E. Cole. No. 1,231,709; July 3; v. 240; p. 59.
- Condenser for redistilling spelter. J. G. Granberg. No. 1,221,045; Apr. 3; v. 237; p. 15.
- Condenser for smelter-fumes. G. P. Luedke. No. 1,229,629; June 12; v. 239; p. 473.
- Condenser, Fume-. T. B. Stewart. No. 1,237,571; Aug. 21; v. 241; p. 727.
- Condenser, Gage for indicating the efficiency of a steam-. A. E. L. Scanes. No. 1,217,074; Feb. 20; v. 235; p. 995.
- Condenser or cooler. A. E. L. Scanes. No. 1,238,574; Aug. 28; v. 241; p. 1084.
- Condenser, Reflux-. D. H. Christman. No. 1,243,384; Oct. 16; v. 243; p. 678.
- Condenser, Surface. T. C. McBride. No. 1,239,198; Sept. 4; v. 242; p. 152.
- Condenser-switch. M. Sultzer. No. 1,251,440; Dec. 25; v. 245; p. 1000.
- Condenser systems, Machine for use in. W. Kieser. No. 1,246,109; Nov. 13; v. 244; p. 319.
- Condenser-terminal and forming same. B. Dick. No. 1,248,829; Dec. 4; v. 245; p. 120.
- Condensers, Coating. M. Sultzer. No. 1,210,722; Jan. 2; v. 234; p. 120.
- Condensing apparatus. J. J. Brown. No. 1,230,557; June 19; v. 239; p. 816.
- Condensing apparatus. E. Josse and W. Gensecke. No. 1,223,891; Apr. 24; v. 237; p. 936.
- Condensing apparatus. H. Mensforth. No. 1,229,631; June 12; v. 239; p. 475.
- Condensing apparatus, Vapor-. J. E. Phillips. No. 1,246,154; Nov. 13; v. 244; p. 332.
- Condensing-cap, Compound safety-seal. D. Benjamin. No. 1,243,132; Oct. 16; v. 243; p. 603.
- Condiment-holder. J. Edwards. No. 1,226,759; May 22; v. 238; p. 1036.
- Condiment-holder. J. T. Evans. No. 1,219,385; Mar. 13; v. 236; p. 558.
- Condiment-holder. P. L. Ferguson. No. 1,216,252; Feb. 13; v. 235; p. 661.
- Condiment-holder. T. E. Frye. No. 1,217,295; Feb. 27; v. 235; p. 1116.
- Condiment-holder. J. Havassy. No. 1,213,634; Jan. 23; v. 234; p. 1227.
- Condiment-holder. T. D. Hawkes. No. 1,243,836; Oct. 23; v. 243; p. 853.
- Condiment-holder. W. M. Miller. No. 1,217,045; Feb. 20; v. 235; p. 986.
- Condiment-holder. J. C. Ross. No. 1,237,100; Aug. 14; v. 241; p. 540.
- Condiment-holder. I. S. Slade. No. 1,227,331; May 22; v. 238; p. 1230.
- Condiment-holder. A. G. Trautman. No. 1,221,630; Apr. 3; v. 237; p. 219.
- Condiment-holder. J. J. Vanderveer. No. 1,229,680; June 12; v. 239; p. 491.
- Condiment-holder. E. J. Voelker. No. 1,245,835; Nov. 6; v. 244; p. 210.
- Condiment-receptacles, Holder or caster for. A. Bongiovanni. No. 1,215,333; Feb. 13; v. 235; p. 331.
- Condiment-shaker. E. Arolan. No. 1,224,699; May 1; v. 238; p. 208.
- Condiment shaker. J. G. Lannoye. No. 1,246,618; Nov. 13; v. 244; p. 473.
- Condiment-shaker. E. G. Woody. No. 1,251,160; Dec. 25; v. 245; p. 919.
- Condiments, Receptacle for containing and dispensing semisolid. C. Toelcke. No. 1,231,098; June 26; v. 239; p. 1037.
- Conductor, Armored. C. P. Madsen. No. 1,247,125; Nov. 20; v. 244; p. 656.
- Conductor cut-off. L. Kuehn. No. 1,215,819; Feb. 13; v. 235; p. 505.
- Conductor-support. J. T. Tighe. No. 1,211,010; Jan. 2; v. 234; p. 219.
- Conductor-terminal. W. Gadke. No. 1,247,656; Nov. 27; v. 244; p. 840.
- Conductors, Combined support and circuit-breaker for. J. P. Deranek. No. 1,224,365; May 1; v. 238; p. 90.
- Conductors, Connector for flexible armored. L. Marchand, Jr. No. 1,238,799; Sept. 4; v. 242; p. 25.
- Conductors, Device for locating concealed. F. J. Gregory. No. 1,212,763; Jan. 16; v. 234; p. 893.
- Conductors for faults, Method of and apparatus for testing. J. A. Vahey. No. 1,210,566; Jan. 2; v. 234; p. 65.
- Conductors, Support for suspended. H. Schaefer. No. 1,242,048; Oct. 2; v. 243; p. 183.
- Conduit. J. L. Fay. No. 1,235,671; Aug. 7; v. 241; p. 45.
- Conduit-box receptacle. H. J. Morey. No. 1,214,353; Jan. 30; v. 234; p. 1503.
- Conduit-cleaning device. G. Schlemmer. No. 1,218,005; Mar. 6; v. 236; p. 41.
- Conduit connection. F. X. Müller and G. J. Winter. No. 1,218,444; Mar. 6; v. 236; p. 193.
- Conduit-connector. H. R. Gilson. No. 1,225,614; May 8; v. 238; p. 570.
- Conduit, Flexible. C. A. Johnson. No. 1,229,087; June 5; v. 239; p. 239.
- Conduit-hanger. A. Ryden. No. 1,210,701; Jan. 2; v. 234; p. 113.
- Conduit-hanger. H. B. Sherman. No. 1,245,047; Oct. 30; v. 243; p. 1254.
- Conduit-joint wrapper. M. Blumenthal. No. 1,238,383; Aug. 28; v. 241; p. 1021.
- Conduit-molding, Metal. W. A. Bonnell. No. 1,217,398; Feb. 27; v. 235; p. 1151.
- Conduit or coupling, Flexible. B. Haskell. No. 1,235,798; Aug. 7; v. 241; p. 88.
- Conduit outlet-box. E. A. Olley. No. 1,228,127; May 29; v. 238; p. 1527.
- Conduit system for viscous mastic materials. H. A. Cumfer. No. 1,247,937; Nov. 27; v. 244; p. 923.
- Conduit system, Municipal street-. T. N. Ashton. No. 1,246,839; Nov. 20; v. 244; p. 573.
- Conduit-threader. S. Kamowski. No. 1,223,699; Apr. 24; v. 237; p. 1047.
- Conduit, Tubular. C. L. French. No. 1,223,864; Apr. 24; v. 237; p. 1104.
- Conduits, Insulating-cap for. C. M. Lefkowitz. No. 1,231,273; June 26; v. 239; p. 1095.
- Condyle-indicator. G. B. Snow. No. 1,211,254; Jan. 2; v. 234; p. 303.
- Cone-tube. H. L. Tiffany. No. 1,240,103; Sept. 11; v. 242; p. 466.
- Cones from molds and trimming same, Mechanism for removing. A. E. Dieterich. No. 1,247,090; Nov. 20; v. 244; p. 645.
- Confection-stacker. W. J. Swartz and E. H. Waugh. No. 1,241,165; Sept. 25; v. 242; p. 868.
- Confections, Stringing device for making. T. Kihlgren. No. 1,210,946; Jan. 2; v. 234; p. 196.
- Confectionery. C. E. Price. No. 1,236,380; Aug. 7; v. 241; p. 270.
- Confectionery-machine. E. J. Brach. No. 1,216,936; Feb. 20; v. 235; p. 948.
- Confectionery-machines, Waxed-paper-cleaning mechanism for. O. E. Dunham. No. 1,238,897; Sept. 4; v. 242; p. 57.
- Confectionery, Preparing and depositing apparatus for. E. H. Waugh and W. J. Swartz. No. 1,227,718; May 29; v. 238; p. 1386.
- Confectionery-preparing apparatus. E. H. Waugh and W. J. Swartz. No. 1,227,714; May 29; v. 238; p. 1386.
- Conflagrations, Method of and means for preventing. H. F. Taylor. No. 1,236,622; Aug. 14; v. 241; p. 383.
- Connecting and retaining device. F. L. West. No. 1,239,993; Sept. 11; v. 242; p. 434.
- Connecting-bar. F. Schaefer. No. 1,211,763; Jan. 9; v. 234; p. 507.
- Connecting-bar. F. Schaefer. No. 1,240,493; Sept. 18; v. 242; p. 627.
- Connecting device. G. A. Davis. No. 1,211,296; Jan. 2; v. 234; p. 317.
- Connecting device. A. H. Fargo. No. 1,220,326; Mar. 27; v. 236; p. 955.
- Connecting device. L. S. Stoll. No. 1,228,256; May 29; v. 238; p. 1567.
- Connecting member. M. M. Wallace. No. 1,243,018; Oct. 16; v. 243; p. 569.
- Connecting-rod. C. E. Bedrang. No. 1,226,447; May 15; v. 238; p. 895.
- Connecting-rod. M. Birkigt. No. 1,227,371; May 22; v. 238; p. 1242.
- Connecting-rod. H. B. Layman. No. 1,218,572; Mar. 6; v. 236; p. 236.
- Connecting-rod. H. B. Layman. No. 1,226,978; May 22; v. 238; p. 1112.
- Connecting-rod. W. E. Woodward. No. 1,245,416; Nov. 6; v. 244; p. 82.
- Connection-box and plugging-jack. H. F. Richardson. No. 1,223,111; Apr. 17; v. 237; p. 809.
- Connector. S. Anthony. No. 1,226,161; May 15; v. 238; p. 798.
- Connector. H. A. Douglas. No. 1,217,924; Mar. 6; v. 236; p. 14.
- Connector. B. P. Rowe. No. 1,236,766; Aug. 14; v. 241; p. 433.
- Connector. R. Schmid, Jr. No. 1,218,216; Mar. 6; v. 236; p. 115.

- Connector. J. F. Smart. No. 1,239,531; Sept. 11; v. 242; p. 287.
- Connector. J. C. Stearns. No. 1,212,276; Jan. 16; v. 234; p. 719.
- Connector and releaser. M. V. Pena. No. 1,211,342; Jan. 2; v. 234; p. 331.
- Conoidal mounts, Locking and automatic tightening device for. J. E. Kennedy. No. 1,231,744; July 3; v. 240; p. 71.
- Conservatory, Window-. H. J. Moore. No. 1,214,057; Jan. 30; v. 234; p. 1402.
- Contact. A. J. Loguin. No. 1,238,311; Aug. 28; v. 241; p. 999.
- Contact-lubricator, Vibratory. W. Von Wolffradt. No. 1,241,174; Sept. 25; v. 242; p. 871.
- Contact maker and interrupter. W. C. Brinton, Jr. No. 1,234,275; July 24; v. 240; p. 1001.
- Contact maker and interrupter for ignition systems. W. H. Brown and W. C. Brinton, Jr. No. 1,234,278; July 24; v. 240; p. 1003.
- Contact-plate, Detachable. G. W. Gilmore. No. 1,225,433; May 8; v. 238; p. 510.
- Contact-point. J. A. Williams. No. 1,236,523; Aug. 14; v. 241; p. 351.
- Contact reel and brush. J. Nutry. No. 1,242,716; Oct. 9; v. 243; p. 438.
- Contact-shoes, Adjustable support for. T. W. Scott and H. V. Rudolph. No. 1,229,184; June 5; v. 239; p. 272.
- Contact-sprays, Composition for. R. B. Wright. No. 1,248,977; Dec. 4; v. 245; p. 160.
- Container. H. P. Ball. No. 1,222,571; Apr. 10; v. 237; p. 583.
- Container. W. J. Boyle, Sr. No. 1,230,459; June 19; v. 239; p. 783.
- Container. L. C. Dunn. No. 1,222,543; Apr. 10; v. 237; p. 572.
- Container. H. G. Dusenbury, Jr. No. 1,236,070; Aug. 7; v. 241; p. 175.
- Container. G. T. Hackley. No. 1,244,324; Oct. 23; v. 243; p. 999.
- Container. C. M. Hall. No. 1,217,303; Feb. 27; v. 235; p. 1119.
- Container. C. A. Hammond-Knowlton. No. 1,240,045; Sept. 11; v. 242; p. 448.
- Container. A. L. Hansen. No. 1,214,158; Jan. 30; v. 234; p. 1434.
- Container. J. M. Hothersall. No. 1,236,437; Aug. 14; v. 241; p. 323.
- Container. J. Komerous. No. 1,233,063; July 10; v. 240; p. 537.
- Container. C. F. Madigan. No. 1,222,226; Apr. 10; v. 237; p. 461.
- Container. C. F. Madigan and T. Webster. No. 1,222,227; Apr. 10; v. 237; p. 461.
- Container. S. T. Maltby. No. 1,217,799; Feb. 27; v. 235; p. 1294.
- Container. J. Marsh. No. 1,239,417; Sept. 4; v. 242; p. 222.
- Container. L. F. McGrath. No. 1,213,119; Jan. 16; v. 234; p. 1014.
- Container. O. Palm. No. 1,224,778; May 1; v. 238; p. 238; p. 124.
- Container. A. A. Rackoff. No. 1,244,369; Oct. 23; v. 243; p. 1011.
- Container. A. G. F. Schuster and I. R. Johnson. No. 1,238,830; Sept. 4; v. 242; p. 35.
- Container. C. W. Shevlin. No. 1,216,617; Feb. 20; v. 235; p. 842.
- Container. F. Steffan. No. 1,227,338; May 22; v. 238; p. 1232.
- Container. A. J. Trasso. No. 1,224,691; May 1; v. 238; p. 205.
- Container. E. O. Wheelock. No. 1,226,154; May 15; v. 238; p. 796.
- Container and cover attachment. M. Winkler. No. 1,233,632; July 17; v. 240; p. 761.
- Container and educational toy, Combined. W. M. Decker. No. 1,229,906; June 12; v. 239; p. 564.
- Container and opener. J. Rice. No. 1,249,497; Dec. 11; v. 245; p. 340.
- Container and opener. J. Rice. No. 1,249,498; Dec. 11; v. 245; p. 340.
- Container and opener. J. Rice. No. 1,249,499; Dec. 11; v. 245; p. 340.
- Container and pasteurizing the same. P. A. G. Steerup. No. 1,221,386; Apr. 3; v. 237; p. 135.
- Container-body. W. J. Cullen. No. 1,239,162; Sept. 4; v. 242; p. 142.
- Container-body. W. J. Cullen. No. 1,239,163; Sept. 4; v. 242; p. 142.
- Container-cap. F. Hachmann. No. 1,224,459; May 1; v. 235.
- Container-capping machinery. W. E. Heath. No. 1,233,469; July 17; v. 240; p. 705.
- Container-closure. T. T. Layng. No. 1,230,178; June 19; v. 239; p. 691.
- Container, Collapsible. J. Brenner and A. Bresnick. No. 1,224,519; May 1; v. 238; p. 145.
- Container, Collapsible. C. B. Davis. No. 1,219,263; Mar. 13; v. 236; p. 516.
- Container, Collapsible. J. Wallace. No. 1,238,364; Aug. 28; v. 241; p. 1015.
- Container, Dispensing-. F. R. Crist. No. 1,221,838; Apr. 10; v. 237; p. 324.
- Container, Dispensing-. A. W. Litchfield. No. 1,249,141; Dec. 4; v. 245; p. 205.
- Container, Edible. L. V. Johnson and O. H. Benson. No. 1,214,168; Jan. 30; v. 234; p. 1438.
- Container, Fiber-board. J. Peterson. No. 1,211,873; Jan. 9; v. 234; p. 548.
- Container, Fiber-board. J. Peterson. No. 1,212,147; Jan. 9; v. 234; p. 642.
- Container, Fibrous. L. P. Brown. No. 1,243,698; Oct. 23; v. 243; p. 805.
- Container for cigars and the like. L. Rosenfeld. No. 1,236,877; Aug. 14; v. 241; p. 467.
- Container for package goods. C. F. Doble. No. 1,247,237; Nov. 20; v. 244; p. 689.
- Container for storing bulk wheat. L. A. Wellsandt. No. 1,237,002; Aug. 14; v. 241; p. 507.
- Container-front. J. M. Hothersall. No. 1,251,034; Dec. 25; v. 245; p. 882.
- Container hanger, Collapsible-. J. E. Connolly. No. 1,243,140; Oct. 16; v. 243; p. 605.
- Container indicator, Fluid-. G. P. Hewis. No. 1,224,741; May 1; v. 238; p. 223.
- Container, Knockdown. A. P. Cochrane. (Reissue.) No. 1,294, May 1; v. 238; p. 274.
- Container, Liquid-. R. G. Mason. No. 1,230,916; June 26; v. 239; p. 973.
- Container, Measuring-. E. W. Sanderson. No. 1,220,689; Mar. 27; v. 236; p. 1081.
- Container, Measuring-. J. S. Schmoller. No. 1,222,245; Apr. 10; v. 237; p. 467.
- Container, Metallic. T. Domoto. No. 1,228,357; May 29; v. 238; p. 1602.
- Container, Paper-material. G. L. Scales. No. 1,231,203; June 26; v. 239; p. 1072.
- Container, Self-closing. W. Dowie. No. 1,218,380; Mar. 6; v. 236; p. 171.
- Container, Sheet-metal. H. A. Keiner. No. 1,214,925; Feb. 6; v. 235; p. 155.
- Container, Sheet-metal. J. Totterdale. No. 1,217,667; Feb. 27; v. 235; p. 1250.
- Containers, Closure and gage-support for liquid-. N. B. Wales. No. 1,237,426; Aug. 21; v. 241; p. 681.
- Containers, Closure and lock device for. W. L. Mitchell. No. 1,221,354; Apr. 3; v. 237; p. 124.
- Containers, Device for emptying liquid-. L. R. and L. T. Heltz. No. 1,223,047; Apr. 17; v. 237; p. 787.
- Containers, Dispensing-top for. T. W. Bigoney. No. 1,249,289; Dec. 4; v. 245; p. 250.
- Containers for confectionery, Machine for forming hollow. O. F. Granlund. No. 1,236,837; Aug. 14; v. 241; p. 455.
- Containers, Machine for making fibrous. W. F. Regan. No. 1,222,134; Apr. 10; v. 237; p. 426.
- Containers, Making metal. C. L. Rowland. No. 1,216,733; Feb. 20; v. 235; p. 881.
- Containers, Opening. P. T. Webb. No. 1,230,961; June 26; v. 239; p. 989.
- Containers, Process and machine for making. C. E. Gregory. No. 1,210,464; Jan. 2; v. 234; p. 30.
- Containers, Sanitary closing and sealing device for. L. P. Brown. No. 1,243,699; Oct. 23; v. 243; p. 806.
- Containers, Sanitary sealed closure for. J. L. Dinsmoor. No. 1,237,876; Aug. 21; v. 241; p. 823.
- Continuous mixer. T. B. Headley. No. 1,246,003; Nov. 6; v. 244; p. 256.
- Control apparatus. O. A. Colby. No. 1,246,394; Nov. 13; v. 244; p. 405.
- Control apparatus. A. J. Hall. No. 1,229,445; June 12; v. 239; p. 410.
- Control apparatus. A. J. Hall. No. 1,244,491; Oct. 30; v. 243; p. 1087.
- Control apparatus. A. J. Hall. No. 1,249,746; Dec. 11; v. 245; p. 411.
- Control apparatus. A. J. Hall. No. 1,249,748; Dec. 11; v. 245; p. 412.
- Control apparatus. D. H. Mace. No. 1,217,473; Feb. 27; v. 235; p. 1179.
- Control apparatus. K. A. Simmon. No. 1,217,514; Feb. 27; v. 235; p. 1195.
- Control apparatus, Distant. C. M. Manly. No. 1,227,639; May 29; v. 238; p. 1360.
- Control device. H. R. Fowler. No. 1,250,157; Dec. 18; v. 245; p. 570.
- Control device. W. Shakespeare, Jr., and W. Schmid. No. 1,226,711; May 22; v. 238; p. 1019.
- Control, Dual interlocking. H. Kleckler. No. 1,246,025; Nov. 6; v. 244; p. 263.
- Control mechanism. H. A. Myers. No. 1,236,593; Aug. 14; v. 241; p. 373.
- Control mechanism, Electrical automatic. M. G. Vandy. No. 1,228,993; June 5; v. 239; p. 208.
- Control, Multiple. H. T. Herr. No. 1,231,257; June 26; v. 239; p. 1090.
- Control, Regenerative. N. W. Storer. No. 1,245,397; Nov. 6; v. 244; p. 76.
- Control system. H. L. Beach. No. 1,244,459; Oct. 30; v. 243; p. 1076.
- Control system. R. E. Ferris. No. 1,227,413; May 22; v. 238; p. 1254.
- Control system. A. J. Hall. No. 1,229,444; June 12; v. 239; p. 409.
- Control system. A. J. Hall. No. 1,233,346; July 17; v. 240; p. 663.

Alphabetical list of inventions—Continued.

- Control system. A. J. Hall. No. 1,241,507; Oct. 2; v. 243; p. 10.
- Control system. A. J. Hall. No. 1,244,492; Oct. 30; v. 243; p. 1087.
- Control system. A. J. Hall. No. 1,245,223; Nov. 6; v. 244; p. 25.
- Control system. A. J. Hall. No. 1,246,421; Nov. 13; v. 244; p. 413.
- Control system. A. J. Hall and L. G. Riley. No. 1,231,598; July 3; v. 240; p. 20.
- Control system. R. Hellmund. No. 1,224,167; May 1; v. 238; p. 18.
- Control system. R. E. Hellmund. No. 1,231,604; July 3; v. 240; p. 22.
- Control system. R. E. Hellmund. No. 1,231,605; July 3; v. 240; p. 22.
- Control system. R. E. Hellmund. No. 1,242,937; Oct. 16; v. 243; p. 542.
- Control system. R. E. Hellmund. No. 1,246,424; Nov. 13; v. 244; p. 414.
- Control system. R. E. Hellmund. No. 1,246,425; Nov. 13; v. 244; p. 414.
- Control system. R. E. Hellmund. No. 1,249,954; Dec. 11; v. 245; p. 473.
- Control system. F. G. Hickling. No. 1,236,711; Aug. 14; v. 241; p. 415.
- Control system. N. D. James. No. 1,232,925; July 10; v. 240; p. 493.
- Control system. H. C. Knerr. No. 1,228,030; May 29; v. 238; p. 1494.
- Control system. B. G. Lamme. No. 1,241,523; Oct. 2; v. 243; p. 16.
- Control system. F. W. Meyer. No. 1,227,815; May 29; v. 238; p. 1421.
- Control system. H. T. Morris. No. 1,236,742; Aug. 14; v. 241; p. 425.
- Control system. R. C. Newhouse. No. 1,219,761; Mar. 20; v. 236; p. 717.
- Control system. S. G. Nottage. No. 1,250,211; Dec. 18; v. 245; p. 586.
- Control system. L. G. Riley. No. 1,233,402; July 17; v. 240; p. 683.
- Control system. F. H. Shepard. No. 1,236,774; Aug. 14; v. 241; p. 435.
- Control system. F. H. Shepard. No. 1,236,775; Aug. 14; v. 241; p. 436.
- Control system. F. H. Shepard. No. 1,246,477; Nov. 13; v. 244; p. 430.
- Control system. K. A. Simmon. No. 1,222,479; Apr. 10; v. 237; p. 550.
- Control system. K. A. Simmon and J. D. Birrell. No. 1,241,569; Oct. 2; v. 243; p. 33.
- Control system. K. A. Simmon and A. H. Candee. No. 1,246,480; Nov. 13; v. 244; p. 431.
- Control system. K. A. Simmon and A. J. Hall. No. 1,231,658; July 3; v. 240; p. 40.
- Control system. K. A. Simmon and A. J. Hall. No. 1,232,863; July 10; v. 240; p. 473.
- Control system. K. A. Simmon and A. J. Hall. No. 1,233,411; July 17; v. 240; p. 686.
- Control system. K. A. Simmon and A. J. Hall. No. 1,233,412; July 17; v. 240; p. 687.
- Control system. K. A. Simmon and A. J. Hall. No. 1,236,778; Aug. 14; v. 241; p. 436.
- Control system. K. A. Simmon and A. J. Hall. No. 1,236,780; Aug. 14; v. 241; p. 437.
- Control system. K. A. Simmon and A. J. Hall. No. 1,241,566; Oct. 2; v. 243; p. 32.
- Control system. K. A. Simmon and A. J. Hall. No. 1,241,567; Oct. 2; v. 243; p. 32.
- Control system. K. A. Simmon and A. J. Hall. No. 1,241,568; Oct. 2; v. 243; p. 33.
- Control system. N. W. Storer. No. 1,231,662; July 3; v. 240; p. 41.
- Control system. N. W. Storer. No. 1,231,663; July 3; v. 240; p. 42.
- Control system. N. W. Storer. No. 1,231,664; July 3; v. 240; p. 42.
- Control system. N. W. Storer. No. 1,231,665; July 3; v. 240; p. 43.
- Control system. N. W. Storer. No. 1,245,396; Nov. 6; v. 244; p. 75.
- Control system. N. W. Storer. No. 1,245,398; Nov. 6; v. 244; p. 76.
- Control system and method of. R. E. Hellmund. No. 1,246,423; Nov. 13; v. 244; p. 413.
- Control system, Multiple-. J. H. Hammond, Jr. No. 1,239,592; Sept. 11; v. 242; p. 306.
- Control system, Regenerative. A. J. Hall. No. 1,245,222; Nov. 6; v. 244; p. 24.
- Control system, Remote-. C. J. Henschel. No. 1,223,169; Apr. 17; v. 237; p. 830.
- Controller. W. R. Davis. No. 1,222,187; Apr. 10; v. 237; p. 446.
- Controller. I. Deutsch. No. 1,244,478; Oct. 30; v. 243; p. 1082.
- Controller. E. A. Hanff. No. 1,241,510; Oct. 2; v. 243; p. 11.
- Controller. W. A. and F. W. Marschke. No. 1,221,345; Apr. 3; v. 237; p. 121.
- Controller. R. H. McLain. No. 1,247,436; Nov. 20; v. 244; p. 745.
- Controller. C. L. Perry. No. 1,247,446; Nov. 20; v. 244; p. 747.
- Controller arc-deflector, circuit-breaker, and the like, Division-piece or partition for a. W. R. McRae and R. Russell. No. 1,244,224; Oct. 23; v. 243; p. 969.
- Controller, Automatic. H. Pauli. No. 1,250,641; Dec. 18; v. 245; p. 715.
- Controller, Automatic. F. T. Taylor. No. 1,225,888; May 15; v. 238; p. 704.
- Controlling device. C. Schiff. No. 1,222,034; Apr. 10; v. 237; p. 392.
- Controlling device. A. E. Swaim. No. 1,234,413; July 24; v. 240; p. 1048.
- Controlling device. A. E. Swaim. No. 1,234,414; July 24; v. 240; p. 1049.
- Controlling device. L. L. Tatum. No. 1,234,824; July 31; v. 240; p. 1209.
- Controlling mechanism. R. P. Packard. No. 1,231,055; June 26; v. 239; p. 1022.
- Controlling mechanism at a distance, Apparatus for. J. Perepelkin. No. 1,228,963; June 5; v. 239; p. 198.
- Controlling or regulating apparatus, Automatic. G. G. Earl. No. 1,211,830; Jan. 9; v. 234; p. 533.
- Controlling or regulating apparatus, Automatic. G. G. Earl. No. 1,240,325; Sept. 18; v. 242; p. 575.
- Controlling system. H. M. Bascom. No. 1,232,183; July 3; v. 240; p. 218.
- Controlling system. A. E. Lundell. No. 1,238,161; Aug. 28; v. 241; p. 948.
- Controlling system, Selective. A. E. Lundell. No. 1,232,580; July 10; v. 240; p. 379.
- Converter, Rotary. J. B. Bassett. No. 1,246,700; Nov. 13; v. 244; p. 495.
- Converter, Rotary. J. B. Bassett. No. 1,246,701; Nov. 13; v. 244; p. 496.
- Converter, Rotary. J. B. Bassett. No. 1,246,702; Nov. 13; v. 244; p. 496.
- Converter, Rotary. L. Fleischmann. No. 1,224,729; May 1; v. 238; p. 219.
- Converter, Synchronous booster rotary. F. T. Hague. No. 1,250,164; Dec. 18; v. 245; p. 572.
- Converter system, Balanced-phase. R. R. Lawrence. No. 1,249,782; Dec. 11; v. 245; p. 423.
- Converter system, Rotary-phase. R. R. Lawrence. No. 1,249,783; Dec. 11; v. 245; p. 423.
- Converter system, Vacuum-type. C. L. Fortescue. No. 1,244,486; Oct. 30; v. 243; p. 1085.
- Converters, Shielding system for vapor-. S. W. Farnsworth. No. 1,232,470; July 3; v. 240; p. 308.
- Convertible chair. G. W. Pettyjohn. No. 1,212,675; Jan. 16; v. 234; p. 862.
- Convertible chair. W. Kantor. No. 1,249,415; Dec. 11; v. 245; p. 315.
- Convertible chair. L. M. S. Leavitt. No. 1,229,980; June 12; v. 239; p. 587.
- Convertible chair. J. Rizzo. No. 1,222,673; Apr. 17; v. 237; p. 660.
- Convertible chair. L. O. Schulz. No. 1,216,172; Feb. 13; v. 235; p. 633.
- Convertible chair. J. J. South. No. 1,238,354; Aug. 28; v. 241; p. 1012.
- Convertible chair. J. J. South. No. 1,238,452; Aug. 28; v. 241; p. 1044.
- Convertible chair. S. W. Weber and L. Horinko. No. 1,210,878; Jan. 2; v. 234; p. 172.
- Convertible seat and bed. C. F. Percival. No. 1,248,702; Dec. 4; v. 245; p. 81.
- Convertible table. H. R. Brown. No. 1,212,897; Jan. 16; v. 234; p. 936.
- Convertible table. A. J. Dostert. No. 1,214,019; Jan. 30; v. 234; p. 1388.
- Convertible table. W. H. Zimmermann, Jr. No. 1,221,646; Apr. 3; v. 237; p. 223.
- Conveyer. J. A. Alvey. No. 1,219,899; Mar. 20; v. 236; p. 766.
- Conveyer. F. Billings. No. 1,212,890; Jan. 16; v. 234; p. 934.
- Conveyer. R. E. Briggs. No. 1,247,865; Nov. 20; v. 244; p. 724.
- Conveyer. F. W. Burpee. No. 1,224,445; May 1; v. 238; p. 120.
- Conveyer. W. F. Cleaver and T. H. Martin. No. 1,231,495; June 26; v. 239; p. 1167.
- Conveyer. R. J. Fahle. No. 1,227,899; May 29; v. 238; p. 1450.
- Conveyer. W. T. James. No. 1,239,490; Sept. 11; v. 242; p. 274.
- Conveyer. C. A. Juengst. No. 1,215,547; Feb. 13; v. 235; p. 407.
- Conveyer. C. F. Leatherbee. No. 1,241,525; Oct. 2; v. 243; p. 17.
- Conveyer. P. Lorillard. No. 1,215,945; Feb. 13; v. 235; p. 551.
- Conveyer. D. C. Place. No. 1,211,224; Jan. 2; v. 234; p. 291.
- Conveyer. F. Reed and S. L. Inge. No. 1,248,714; Dec. 4; v. 245; p. 85.
- Conveyer. V. W. Sinton. No. 1,210,994; Jan. 2; v. 234; p. 213.
- Conveyer and cleaner. J. P. Stoffel. No. 1,220,703; Mar. 27; v. 236; p. 1085.
- Conveyer and mixer. C. H. Burgard. No. 1,211,398; Jan. 9; v. 234; p. 384.
- Conveyer and stacker. F. Stogsdill. No. 1,237,573; Aug. 21; v. 241; p. 727.

- Conveyer apparatus. P. A. Koehring. No. 1,227,157; May 22; v. 238; p. 1173.
- Conveyer, Belt. M. T. Weston. No. 1,226,730; May 22; v. 238; p. 1026.
- Conveyer carriage, Elevated. C. E. Yarian. No. 1,234,849; July 31; v. 240; p. 1216.
- Conveyer, Compartment. N. O. Erickson. No. 1,241,204; Sept. 25; v. 242; p. 880.
- Conveyer-controller. M. P. Chaplin. No. 1,217,412; Feb. 27; v. 235; p. 1156.
- Conveyer-elbow. L. C. Vanderlip. No. 1,246,189; Nov. 13; v. 244; p. 343.
- Conveyer, Endless blank-gripping apron. M. E. Peters. G. H. Fath, and A. F. Miller. No. 1,244,536; Oct. 30; v. 243; p. 1100.
- Conveyer for a sand-spreader. J. D. Curtis. No. 1,211,294; Jan. 2; v. 234; p. 316.
- Conveyer for loading-machines. N. D. Levin. No. 1,247,423; Nov. 20; v. 244; p. 741.
- Conveyer, Gravity. A. V. Hoefleur. No. 1,211,154; Jan. 2; v. 234; p. 266.
- Conveyer gummed-blank grippers, Mechanism for cleaning the ends of intermittent endless. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,226,997; May 22; v. 238; p. 1120.
- Conveyer mechanism particularly applicable for road-sweeping and other machines. W. Barnett and J. Florndine. No. 1,248,992; Dec. 4; v. 245; p. 164.
- Conveyer or trucker from a fixed station, Device for setting the selective controlling apparatus on a moving automatic goods. L. Rottenburg. No. 1,244,546; Oct. 30; v. 243; p. 1104.
- Conveyer, Pneumatic. C. B. Caffey. No. 1,245,868; Nov. 6; v. 244; p. 220.
- Conveyer, Pneumatic. C. H. Burton. No. 1,234,281; July 24; v. 240; p. 1003.
- Conveyer, Pneumatic. J. D. Murray. No. 1,221,080; Apr. 3; v. 237; p. 27.
- Conveyer, Portable. H. Kaukaine. No. 1,224,384; May 1; v. 238; p. 97.
- Conveyer, Portable. V. W. Sinton. No. 1,210,993; Jan. 2; v. 234; p. 213.
- Conveyer, Screw. O. O. Erfurth. No. 1,213,171; Jan. 23; v. 234; p. 1065.
- Conveyer, Selective discharge. J. T. Cowley. No. 1,225,586; May 8; v. 238; p. 561.
- Conveyer, Spiral. M. U. Bernheim. No. 1,250,777; Dec. 18; v. 245; p. 755.
- Conveyer, Spiral. M. U. Bernheim. No. 1,250,778; Dec. 18; v. 245; p. 755.
- Conveyer, Spiral gravity. A. E. Handy. No. 1,245,224; Nov. 6; v. 244; p. 25.
- Conveyer systems, Distributer for gravity. H. Korn. No. 1,224,472; May 1; v. 238; p. 129.
- Conveyer, Traveling. G. D. French. No. 1,247,388; Nov. 20; v. 244; p. 730.
- Conveyers, Indicating system for pneumatic. A. F. Thompson and H. T. Free. No. 1,221,924; Apr. 10; v. 237; p. 355.
- Conveyers, Means for preventing lodgment and matting of fibrous material on. H. Harrison. No. 1,235,027; July 31; v. 240; p. 1274.
- Conveyers, Switch for gravity. J. A. Alvey. No. 1,232,882; July 10; v. 240; p. 479.
- Conveying and loading apparatus. F. L. Stuart. No. 1,231,449; June 26; v. 239; p. 1154.
- Conveying and sorting. A. E. Peters. No. 1,235,157; July 31; v. 240; p. 1312.
- Conveying and timing apparatus for timing and delivering articles. J. C. Taliaferro, D. P. Robinson, and J. Coyle. No. 1,242,738; Oct. 9; v. 243; p. 444.
- Conveying apparatus. J. F. Correll. No. 1,224,605; May 1; v. 238; p. 175.
- Conveying apparatus. W. Lindsay. No. 1,232,700; July 10; v. 240; p. 418.
- Conveying apparatus. E. S. Savage. No. 1,251,117; Dec. 25; v. 245; p. 905.
- Conveying apparatus. C. S. Williamson. No. 1,213,323; Jan. 23; v. 234; p. 1119.
- Conveying apparatus, Portable. H. Harrington. No. 1,232,301; July 3; v. 240; p. 256.
- Conveying apparatus, Vacuum. G. O. Langenberg. No. 1,248,680; Dec. 4; v. 245; p. 74.
- Conveying device. J. E. Johnson and C. H. Oslund. No. 1,245,730; Nov. 6; v. 244; p. 177.
- Conveying mechanism. W. J. Foster. No. 1,227,128; May 22; v. 238; p. 1163.
- Conveying mechanism. R. O. Neal. No. 1,227,182; May 22; v. 238; p. 1181.
- Conveying system. R. H. Alvey and M. U. Bernheim. No. 1,250,073; Dec. 11; v. 245; p. 506.
- Conveying system. M. U. Bernheim. No. 1,222,598; Apr. 17; v. 237; p. 633.
- Conveying system. C. Plez. No. 1,235,240; July 31; v. 240; p. 1337.
- Conveying systems, Intake-fitting for. A. P. Strong. No. 1,237,408; Aug. 21; v. 241; p. 675.
- Conveying systems, Intake-fitting for. A. P. Strong. No. 1,243,892; Oct. 23; v. 243; p. 870.
- Cooker. H. O. Larson. No. 1,229,192; June 5; v. 239; p. 275.
- Cooker. C. F. McCown. No. 1,213,772; Jan. 23; v. 234; p. 1271.
- Cooker. A. S. Oldham. No. 1,224,563; May 1; v. 238; p. 160.
- Cooker. S. Peterson and L. C. Knackstedt. No. 1,228,816; June 5; v. 239; p. 151.
- Cooker. E. Schaffer. No. 1,250,360; Dec. 18; v. 245; p. 631.
- Cooker. A. R. Thompson. No. 1,250,244; Dec. 18; v. 245; p. 596.
- Cooker and cooler, Combined. A. R. Thompson. No. 1,241,168; Sept. 25; v. 242; p. 869.
- Cooker and drainer, Combined vegetable. M. Fournier. No. 1,224,731; May 1; v. 238; p. 220.
- Cooker and hot-plate, Steam. C. Truitt. No. 1,219,200; Mar. 13; v. 236; p. 493.
- Cooker, Continuous-agitating. H. C. Privett. No. 1,226,593; May 15; v. 238; p. 940.
- Cooker, Continuous-process. F. P. Souder. No. 1,215,212; Feb. 6; v. 235; p. 254.
- Cooker, Electric. S. B. Oakes. No. 1,227,488; May 22; v. 238; p. 1280.
- Cooker, Electrically-heated fireless. C. B. Carman. No. 1,222,181; Apr. 10; v. 237; p. 444.
- Cooker, Fireless. N. A. McQueston. No. 1,234,059; July 17; v. 240; p. 895.
- Cooker, Gas. J. H. Noonan. No. 1,228,956; June 5; v. 239; p. 196.
- Cooker, Macaroni. J. Pomianowski. No. 1,231,192; June 26; v. 239; p. 1068.
- Cooker or roaster, Fireless. D. Collar. No. 1,229,032; June 5; v. 239; p. 221.
- Cooker, Pressure. A. R. Thompson. No. 1,210,563; Jan. 2; v. 234; p. 65.
- Cooker, Rice. J. Tashima. No. 1,237,580; Aug. 21; v. 241; p. 729.
- Cooker, Sanitary steam. F. A. G. Busse. No. 1,249,023; Dec. 4; v. 245; p. 173.
- Cooker, Steam. J. L. Carbery. No. 1,235,009; July 31; v. 240; p. 1269.
- Cooker, Steam. J. McBride. No. 1,216,336; Feb. 20; v. 235; p. 742.
- Cookers, Time-controlled trip mechanism for fireless. C. Bargamin. No. 1,229,862; June 12; v. 239; p. 551.
- Cooking. C. B. Trescott. No. 1,214,392; Jan. 30; v. 234; p. 1517.
- Cooking. C. B. Trescott. No. 1,226,147; May 15; v. 238; p. 793.
- Cooking and food-sterilizing apparatus. A. J. Van Stockum. No. 1,223,748; Apr. 24; v. 237; p. 1064.
- Cooking and heating device. E. M. Atkinson. No. 1,223,552; Apr. 24; v. 237; p. 994.
- Cooking apparatus. J. H. Leggat. No. 1,238,029; Aug. 21; v. 241; p. 872.
- Cooking apparatus. J. F. G. Roberts. No. 1,248,428; Nov. 27; v. 244; p. 1060.
- Cooking apparatus. C. B. Trescott. No. 1,239,641; Sept. 11; v. 242; p. 322.
- Cooking apparatus, Electric. F. V. Detwiler. No. 1,219,926; Mar. 20; v. 236; p. 775.
- Cooking apparatus, Electric. W. D. Wright. No. 1,214,486; Jan. 30; v. 234; p. 1547.
- Cooking apparatus, Household. A. Saxegaard. No. 1,224,326; May 1; v. 238; p. 76.
- Cooking apparatus, Low-temperature. C. B. Trescott. No. 1,214,393; Jan. 30; v. 234; p. 1518.
- Cooking apparatus, Low-temperature. C. B. Trescott. No. 1,233,000; July 10; v. 240; p. 516.
- Cooking apparatus, Portable. L. Grimani. No. 1,236,162; Aug. 7; v. 241; p. 203.
- Cooking articles of food, Apparatus for. F. D. Cleveland. No. 1,234,131; July 24; v. 240; p. 954.
- Cooking-cabinet, Convertible. L. A. Wiggins. No. 1,216,030; Feb. 13; v. 235; p. 533.
- Cooking canned goods, Apparatus for. E. A. Sims. No. 1,210,860; Jan. 2; v. 234; p. 165.
- Cooking device. L. F. Hake. No. 1,242,181; Oct. 9; v. 243; p. 267.
- Cooking device. W. H. Hutchinson. No. 1,226,771; May 22; v. 238; p. 1041.
- Cooking device. W. R. Jeavons. No. 1,210,479; Jan. 2; v. 234; p. 35.
- Cooking device. C. H. Stonebridge. No. 1,316,008; Feb. 13; v. 235; p. 573.
- Cooking eggs, Method and apparatus for. R. V. Blake. No. 1,213,148; Jan. 23; v. 234; p. 1057.
- Cooking hams. J. L. Wild. No. 1,214,627; Feb. 6; v. 235; p. 51.
- Cooking machine, Can. J. S. Baker. No. 1,250,764; Dec. 18; v. 245; p. 751.
- Cooking mechanism, Automatic. J. S. Baker. (Re-issue.) No. 14,248; Jan. 16; v. 234; p. 1019.
- Cooking or processing apparatus. G. A. Walker. No. 1,238,225; Aug. 28; v. 241; p. 969.
- Cooking-pot cover. E. H. Lowe. No. 1,230,419; June 19; v. 239; p. 768.
- Cooking utensil. L. C. Brown. No. 1,245,670; Nov. 6; v. 244; p. 161.
- Cooking utensil. J. P. Dougherty. No. 1,240,427; Sept. 18; v. 242; p. 607.
- Cooking utensil. J. Goldberg. No. 1,246,908; Nov. 20; v. 244; p. 594.
- Cooking utensil. D. G. Gologan. No. 1,228,108; May 29; v. 238; p. 1521.
- Cooking utensil. G. Harford. No. 1,221,853; Apr. 10; v. 237; p. 328.

Alphabetical list of inventions—Continued.

- Cooking utensil. J. Paquette. No. 1,241,010; Sept. 25; v. 242; p. 820.
- Cooking utensil. E. A. Wheeler. No. 1,233,736; July 17; v. 240; p. 792.
- Cooking utensil. L. L. Williams. No. 1,219,686; Mar. 20; v. 236; p. 692.
- Cooking utensil and tea-kettle, Combined food-. F. C. Root. No. 1,214,716; Feb. 6; v. 235; p. 84.
- Cooking-utensil attachment. J. Hauenstein. No. 1,239,788; Sept. 11; v. 242; p. 369.
- Cooking utensil, Combination. H. L. Mendal. No. 1,212,661; Jan. 16; v. 234; p. 856.
- Cooking utensil, Combination. L. J. Miller. No. 1,232,860; July 8; v. 240; p. 275.
- Cooking-utensil cover. T. H. Jordan. No. 1,222,212; Apr. 10; v. 237; p. 455.
- Cooking-utensil cover. L. H. Wineman. No. 1,235,625; Aug. 7; v. 241; p. 32.
- Cooking-utensil handle. A. E. May. No. 1,237,935; Aug. 21; v. 241; p. 842.
- Cooking-utensil lid. R. De Lan. No. 1,227,251; May 22; v. 238; p. 1205.
- Cooking-utensil rack. R. J. Abbott. No. 1,211,269; Jan. 2; v. 234; p. 309.
- Cooking utensils, Attachment for. R. Sayers. No. 1,232,851; July 10; v. 240; p. 468.
- Cooking utensils, Attachment for. P. Wagner. No. 1,217,373; Feb. 27; v. 235; p. 1143.
- Cooking utensils, Supplemental bottom for. J. J. Wesley. No. 1,222,056; Apr. 10; v. 237; p. 399.
- Cooking vessel. D. E. Barth and S. F. Collins. No. 1,214,409; Jan. 30; v. 234; p. 1522.
- Cooking vessel. H. C. Milligan. No. 1,225,047; May 8; v. 238; p. 378.
- Cooler: See—
- Beer-cooler. Evaporative cooler.
- Chocolate-cooler. Food and water cooler.
- Cream-cooler. Water-cooler.
- Cooler. F. A. Phillippi. No. 1,234,083; July 17; v. 240; p. 902.
- Cooler. V. V. Pittman. No. 1,242,036; Oct. 2; v. 243; p. 180.
- Cooler and filter, Combination. H. T. Allen. No. 1,237,738; Aug. 21; v. 241; p. 782.
- Cooling air, liquids, vapors, gases, and the like, Apparatus for. E. Josse and W. Gensecke. No. 1,228,930; June 5; v. 239; p. 187.
- Cooling and ventilating apparatus. B. Macfadden and E. L. Moublow. No. 1,228,939; June 5; v. 239; p. 190.
- Cooling and work table. R. Janney. No. 1,249,102; Dec. 4; v. 245; p. 195.
- Cooling apparatus. F. R. Oliver. No. 1,233,393; July 17; v. 240; p. 680.
- Cooling apparatus. S. E. Seaman. No. 1,240,609; Sept. 18; v. 242; p. 661.
- Cooling-coil. A. S. Beltink. No. 1,235,181; July 31; v. 240; p. 1319.
- Cooling device. E. Baer. No. 1,218,827; Mar. 13; v. 236; p. 367.
- Cooling-receptacle. J. F. Medveczky and F. Mayer. No. 1,237,669; Aug. 21; v. 241; p. 760.
- Cooling-tower. E. Burhorn. No. 1,234,444; July 24; v. 240; p. 1058.
- Cooling-tower. C. W. E. Clarke. No. 1,235,291; July 31; v. 240; p. 1352.
- Cooling-tower. B. F. Hart, Jr. No. 1,228,207; May 29; v. 238; p. 1551.
- Cooling water and other liquids, Apparatus for. C. C. Thomas. No. 1,225,889; May 15; v. 238; p. 705.
- Coop. D. MacVicar. No. 1,240,467; Sept. 18; v. 242; p. 620.
- Coop. M. Norring. No. 1,213,124; Jan. 16; v. 234; p. 1015.
- Coop and crib, Folding. P. H. Colt. No. 1,223,257; Apr. 17; v. 237; p. 857.
- Coop, Chicken-. C. A. Harp. No. 1,214,780; Feb. 6; v. 235; p. 103.
- Coop, Collapsible chicken-. S. P. Hickerson. No. 1,211,152; Jan. 2; v. 234; p. 265.
- Coop, Collapsible poultry-. C. H. Eickhof. No. 1,237,624; Aug. 21; v. 241; p. 743.
- Coop, Disinfecting-. O. B. Andrews. No. 1,217,677; Feb. 27; v. 235; p. 1253.
- Coop, Folding. W. Buckley and W. Iversen. No. 1,226,305; May 15; v. 238; p. 851.
- Coop, Folding. G. W. Martin. No. 1,231,042; June 20; v. 239; p. 1018.
- Coop for the transportation of live chicks. H. L. G. Moore. No. 1,212,540; Jan. 16; v. 234; p. 811.
- Coop front, Poultry-. J. E. Wayne. No. 1,248,220; Nov. 27; v. 244; p. 1001.
- Coop-support. L. Clippinger. No. 1,211,546; Jan. 9; v. 234; p. 435.
- Cop. V. Royle. No. 1,214,958; Feb. 6; v. 235; p. 167.
- Cope-flask. M. N. Gram. No. 1,233,221; July 10; v. 240; p. 589.
- Copes and risers, Apparatus for releasing. A. McNaughton. No. 1,218,438; Mar. 6; v. 236; p. 191.
- Copper and similar bands, Making. G. E. Neuberth. No. 1,236,470; Aug. 14; v. 241; p. 334.
- Copper-bearing substances, Treating. C. S. Bradley. No. 1,236,046; Aug. 7; v. 241; p. 169.
- Copper-billet mold. E. J. Nye, Jr. No. 1,250,212; Dec. 18; v. 245; p. 587.
- Copper by electrolysis, Apparatus for production of. M. Perreux-Lloyd. No. 1,233,906; July 17; v. 240; p. 847.
- Copper compounds of orthooxazo dyestuffs and making same. C. Jagerspacher and B. Wuth. No. 1,216,812; Feb. 20; v. 235; p. 908.
- Copper compounds of orthooxazo dyestuffs and making same. B. Wuth and C. Jagerspacher. No. 1,233,433; July 17; v. 240; p. 693.
- Copper compounds of orthooxazo dyestuffs and making same. B. Wuth and C. Jagerspacher. No. 1,234,994; July 31; v. 240; p. 1264.
- Copper compounds of orthooxazo dyestuffs and making same. B. Wuth, R. Mayer, C. Jagerspacher, and E. Anderwert. No. 1,216,760; Feb. 20; v. 235; p. 890.
- Copper, Concentrating oxid ores of. R. Gahl. No. 1,217,437; Feb. 27; v. 235; p. 1166.
- Copper, Extraction and recovery of. A. Cox and A. H. Peter. No. 1,226,190; May 15; v. 238; p. 808.
- Copper from its ores, Extracting. H. B. Slater. No. 1,230,078; June 12; v. 239; p. 619.
- Copper from oxidized ores, Extracting. N. V. Hybinette. No. 1,233,580; July 17; v. 240; p. 743.
- Copper, Hydrometallurgical apparatus for the recovery of. E. R. Weidlein. No. 1,223,454; Apr. 24; v. 237; p. 958.
- Copper, Hydrometallurgy of. J. C. Greenway and H. W. Morse. No. 1,224,458; May 1; v. 238; p. 124.
- Copper-nickel pyrrhotite, Treatment of. W. M. Johnson. No. 1,238,298; Aug. 28; v. 241; p. 995.
- Copper ores, Treatment of. G. C. Westby. No. 1,244,810; Oct. 30; v. 243; p. 1184.
- Copper, Recovering. F. J. Pope and A. W. Hahn. No. 1,232,080; July 3; v. 240; p. 184.
- Copper tubes, Method and apparatus for electrically making. E. Emerson. No. 1,243,274; Oct. 16; v. 243; p. 645.
- Copper, Working. F. S. Carver and W. H. Harman. No. 1,216,282; Feb. 20; v. 235; p. 723.
- Copra-drying apparatus. J. D. McCord. No. 1,219,016; Mar. 13; v. 236; p. 432.
- Copy-holder. W. E. Barnard. No. 1,226,939; May 22; v. 238; p. 1097.
- Copy-holder. A. Bolton. No. 1,226,452; May 15; v. 238; p. 896.
- Copy-holder. C. H. Carleton. No. 1,214,132; Jan. 30; v. 234; p. 1426.
- Copy-holder. E. H. and L. C. Gray. No. 1,222,282; Apr. 10; v. 237; p. 480.
- Copy-holder. J. F. Leigh. No. 1,241,130; Sept. 25; v. 242; p. 857.
- Copy-holder. W. H. Osborn. No. 1,221,369; Apr. 3; v. 237; p. 129.
- Copy-holder. W. B. Rhoads. No. 1,245,027; Oct. 30; v. 243; p. 1249.
- Copy-holder. A. F. Smith. No. 1,216,004; Feb. 13; v. 235; p. 572.
- Copy-holder. L. Warfel. No. 1,228,083; May 29; v. 238; p. 1513.
- Copy-holding device. W. E. Gray. No. 1,244,323; Oct. 23; v. 243; p. 999.
- Copy or letter holder. N. McKinley. No. 1,231,926; July 3; v. 240; p. 131.
- Copying apparatus, Photogenic. J. L. Mauch. No. 1,251,076; Dec. 25; v. 245; p. 894.
- Copying device. L. Grubman. No. 1,212,938; Jan. 16; v. 234; p. 950.
- Copying-machine, Multiple. J. J. Flanagan. No. 1,226,649; May 22; v. 238; p. 998.
- Copying-press, Roller. E. Lichtenstein. No. 1,247,296; Nov. 20; v. 244; p. 705.
- Cord and rope holder. H. W. Clough. No. 1,228,535; June 5; v. 239; p. 55.
- Cord, Apparatus for cementing strands of. C. G. Hoover. No. 1,251,032; Dec. 25; v. 245; p. 881.
- Cord ends, Binder for. G. E. Prentice. No. 1,217,107; Feb. 20; v. 235; p. 1007.
- Cord-fastening device. M. H. Smith. No. 1,218,811; Mar. 13; v. 236; p. 361.
- Cord, Making hollow. J. D. Tew. No. 1,245,067; Oct. 30; v. 243; p. 1261.
- Core-box for bladed diaphragms of steam-turbines. W. Sherwood and L. Baldwin. No. 1,226,604; May 15; v. 238; p. 944.
- Core-breaker. F. Cecconi. No. 1,246,877; Nov. 20; v. 244; p. 584.
- Core, Collapsible. W. Y. Duncan, Jr. No. 1,241,942; Oct. 2; v. 243; p. 151.
- Core, Collapsible. R. M. Merriman. No. 1,213,525; Jan. 23; v. 234; p. 1188.
- Core, Collapsible. R. M. Merriman. No. 1,221,349; Apr. 3; v. 237; p. 122.
- Core-cooling apparatus. E. Nall. No. 1,251,088; Dec. 25; v. 245; p. 897.
- Core-drill. F. Stone. (Reissue.) No. 14,356; Sept. 11; v. 242; p. 488.
- Core-jack. J. H. Mulloy. No. 1,233,260; July 10; v. 240; p. 599.
- Core-making machine for foundry purposes. J. J. Warren. No. 1,211,796; Jan. 9; v. 234; p. 519.
- Core-mold. A. C. Rogalske. No. 1,233,509; July 17; v. 240; p. 718.

- Core or mandrel. W. F. Ray. No. 1,250,504; Dec. 18; v. 245; p. 674.
- Corer, Apple. M. P. Hayward. No. 1,213,361; Jan. 23; v. 234; p. 1133.
- Cork. F. Debove. No. 1,234,093; July 17; v. 240; p. 906.
- Cork and leather substitute and making the same. A. L. Clapp. No. 1,218,982; Mar. 13; v. 236; p. 420.
- Cork-extractor. L. Glenn. No. 1,227,424; May 22; v. 238; p. 1258.
- Cork-extractor. M. L. Kinsey. No. 1,225,037; May 8; v. 238; p. 375.
- Cork-extractor. J. J. Lyons. No. 1,243,845; Oct. 23; v. 243; p. 855.
- Cork-extractor. E. R. Weber. No. 1,219,510; Mar. 20; v. 236; p. 630.
- Cork for industrial use, Preparing natural. S. C. Bond. No. 1,224,264; May 1; v. 238; p. 54.
- Cork guard, Bottle. W. R. Barringer. No. 1,243,916; Oct. 23; v. 243; p. 877.
- Cork-puller. E. H. Krause. No. 1,230,726; June 19; v. 239; p. 871.
- Cork-puller. E. Sharp. No. 1,250,678; Dec. 18; v. 245; p. 725.
- Cork-puller. J. Sheridan. No. 1,240,610; Sept. 18; v. 242; p. 661.
- Cork-sorting machine. J. Demuth. No. 1,214,519; Feb. 6; v. 235; p. 13.
- Corking-machine. J. W. Lück. No. 1,230,420; June 19; v. 239; p. 769.
- Corkscrew-making machine. H. R. McConnell. No. 1,238,166; Aug. 28; v. 241; p. 951.
- Corn-cutter. A. G. Davis. No. 1,211,100; Jan. 2; v. 234; p. 248.
- Corn-cutter, &c. W. B. Hickey. No. 1,214,460; Jan. 30; v. 234; p. 1538.
- Corn-cutter. M. M. Monyer and E. E. McKinney. No. 1,248,525; Dec. 4; v. 245; p. 28.
- Corn cutter, Green. W. A. Collins. No. 1,239,353; Sept. 4; v. 242; p. 203.
- Corn cutting and scraping implement, Green. F. O. Lake. No. 1,224,474; May 1; v. 238; p. 130.
- Corn-cutting machine. J. C. McIntyre. No. 1,215,563; Feb. 13; v. 235; p. 414.
- Corn-degerminator. M. Lindemann. No. 1,219,117; Mar. 13; v. 236; p. 466.
- Corn-degerminator brake. M. Lindemann. No. 1,219,118; Mar. 13; v. 236; p. 466.
- Corn-drier. L. A. Anderson. No. 1,220,309; Mar. 27; v. 236; p. 949.
- Corn drier, Seed. J. Hesse. No. 1,228,556; June 5; v. 239; p. 62.
- Corn drier, Seed. W. A. King. No. 1,236,318; Aug. 7; v. 241; p. 252.
- Corn drier, Seed. R. F. Plumb. No. 1,240,365; Sept. 18; v. 242; p. 587.
- Corn-gatherer. A. R. Keeler. No. 1,219,327; Mar. 13; v. 236; p. 537.
- Corn grader, Seed. C. B. Baumgartner. No. 1,250,768; Dec. 18; v. 245; p. 752.
- Corn, grain, fruits, and the like, Apparatus for the treatment of. J. C. A. Pointe. No. 1,244,774; Oct. 30; v. 243; p. 1173.
- Corn-hanger. J. H. Brown. No. 1,230,544; June 26; v. 239; p. 1183.
- Corn, Hanger for ears of. R. J. Rice. No. 1,211,234; Jan. 2; v. 234; p. 296.
- Corn-header. G. W. Kildow. No. 1,213,502; Jan. 23; v. 234; p. 1180.
- Corn holder, Seed. L. and W. Goettsch. No. 1,248,846; Dec. 4; v. 245; p. 125.
- Corn-husker. B. Gronke. No. 1,225,807; May 15; v. 238; p. 678.
- Corn-husker. J. J. Hesser. No. 1,239,913; Sept. 11; v. 242; p. 410.
- Corn-husker. G. L. Miller. No. 1,250,613; Dec. 18; v. 245; p. 707.
- Corn-husker. J. A. Stone. No. 1,226,718; May 22; v. 238; p. 1021.
- Corn-husker and ensilage-cutter and silo-filler. A. Rosenthal. No. 1,228,971; June 5; v. 239; p. 201.
- Corn husker and shredder. G. L. Phelps. No. 1,226,365; May 15; v. 238; p. 869.
- Corn husker and shredder. G. L. Phelps. No. 1,242,973; Oct. 16; v. 243; p. 553.
- Corn huskers, pickers, and the like, Snapping-rolls for. B. Gronke. No. 1,225,806; May 15; v. 238; p. 677.
- Corn-husking device. W. T. Boice. No. 1,217,905; Mar. 6; v. 236; p. 7.
- Corn-husking machine. M. H. Miller. No. 1,251,403; Dec. 25; v. 245; p. 989.
- Corn-husking machine. J. B. Zimmerman. No. 1,248,591; Dec. 4; v. 245; p. 49.
- Corn-knife. O. L. Colvin. No. 1,217,154; Feb. 27; v. 235; p. 1069.
- Corn, Obtaining proteid matter from. J. Takamine and S. Satow. No. 1,245,818; Nov. 6; v. 244; p. 205.
- Corn-pad. A. Boone. No. 1,240,021; Sept. 11; v. 242; p. 442.
- Corn-popper. J. Worth. No. 1,248,234; Nov. 27; v. 244; p. 1005.
- Corn-popper. W. H. M. Zschlesche. No. 1,222,511; Apr. 10; v. 237; p. 560.
- Corn-popping machine. N. B. Post. No. 1,251,279; Dec. 25; v. 245; p. 953.
- Corn-popping machine. D. H. Talbert. No. 1,233,421; July 17; v. 240; p. 689.
- Corn-popping machine. C. A. Tripp and O. E. McMeans. No. 1,251,304; Dec. 25; v. 245; p. 961.
- Corn-popping machine. I. T. Wolfe. No. 1,224,347; May 1; v. 238; p. 84.
- Corn, Preserving unhusked green. L. L. Goodrich. No. 1,247,261; Nov. 20; v. 244; p. 695.
- Corn rack, Seed. T. J. Le Gore. No. 1,220,650; Mar. 27; v. 236; p. 1068.
- Corn-shock tier. W. E. McFee. No. 1,235,217; July 31; v. 240; p. 1330.
- Corn-shock tier. S. P. Nielsen. No. 1,211,745; Jan. 9; v. 234; p. 501.
- Corn-shocking device. E. A. Alline. No. 1,234,521; July 24; v. 240; p. 1082.
- Corn-shocking horse. H. M. Schreckengast. No. 1,251,428; Dec. 25; v. 245; p. 996.
- Corn snapper and shredder. C. W. Neu. No. 1,221,364; Apr. 3; v. 237; p. 127.
- Corn stringer, Seed. J. M. Marrington. No. 1,227,059; May 22; v. 238; p. 1139.
- Corn stringer, Seed. G. A. Trauger. No. 1,236,627; Aug. 14; v. 241; p. 385.
- Corn-testing machine, Seed. E. G. Tjossem. No. 1,238,956; Sept. 4; v. 242; p. 75.
- Corn tipper, Seed. G. P. Kohlhaas. No. 1,221,336; Apr. 3; v. 237; p. 118.
- Corn-topper. T. S. Pletcher. No. 1,238,434; Aug. 28; v. 241; p. 1038.
- Corn-washer. M. E. H. Poltschbach. No. 1,235,378; July 31; v. 240; p. 1378.
- Corn without a wire, Attachment for checking. F. H. Belding. No. 1,233,167; July 10; v. 240; p. 571.
- Corns, Means for protecting. P. Wetzel. No. 1,212,861; Jan. 16; v. 234; p. 924.
- Corner-bead. E. I. Bradock. No. 1,247,627; Nov. 27; v. 244; p. 830.
- Corner-bead, Metal. N. E. Clark. No. 1,212,740; Jan. 16; v. 234; p. 884.
- Corner-fastener. C. G. Simonds and G. W. Doerr. No. 1,215,832; Feb. 13; v. 235; p. 528.
- Corner-iron. F. W. Goedeke. No. 1,245,456; Nov. 6; v. 244; p. 94.
- Corner-iron. H. F. Krantz. No. 1,248,843; Nov. 27; v. 244; p. 1036.
- Corner-joint. J. Small. No. 1,241,042; Sept. 25; v. 242; p. 830.
- Corner-joint. R. Tattu. No. 1,238,054; Aug. 21; v. 241; p. 880.
- Corner-post fastening. A. Wolf. No. 1,214,738; Feb. 6; v. 235; p. 90.
- Corner-post for cabinets and other furniture and manufacturing same. S. E. Overton. No. 1,211,620; Jan. 9; v. 234; p. 459.
- Corner-shield, Metallic. J. P. Dresch. No. 1,211,109; Jan. 2; v. 234; p. 251.
- Cornet. C. G. Conn. No. 1,218,057; Mar. 6; v. 236; p. 59.
- Cornet. C. G. Conn. No. 1,240,177; Sept. 18; v. 242; p. 527.
- Cornet. H. N. White. No. 1,214,625; Feb. 6; v. 235; p. 50.
- Cornet and the like. C. L. W. Nelson. No. 1,232,069; July 3; v. 240; p. 181.
- Cornets or the like, Rotary air-valve for. E. E. King. No. 1,244,745; Oct. 30; v. 243; p. 1164.
- Corpse-carrier. B. O'Reilly. No. 1,240,357; Sept. 18; v. 242; p. 585.
- Correcting-machine. M. M. McIntyre and C. F. Schultis. No. 1,233,680; July 17; v. 240; p. 775.
- Correspondence device. N. Ottinger. No. 1,242,968; Oct. 16; v. 243; p. 552.
- Corrosion, Composition for protecting metallic surfaces against. D. C. Westerfield and E. J. Rogers. No. 1,240,395; Sept. 18; v. 242; p. 597.
- Corrugated sheets to frame structures, Attachment of. S. L. Rau. No. 1,227,666; May 29; v. 238; p. 1370.
- Corrugating apparatus. O. B. Lindquist. No. 1,211,460; Jan. 9; v. 234; p. 405.
- Corset. L. P. Breivogel. No. 1,250,274; Dec. 18; v. 245; p. 606.
- Corset. L. A. Cirillo. No. 1,226,308; May. 15; v. 238; p. 852.
- Corset. S. S. Dimond. No. 1,248,464; Dec. 4; v. 245; p. 11.
- Corset. W. Gershnoirtz. No. 1,216,796; Feb. 20; v. 235; p. 903.
- Corset. I. D. Howell. No. 1,227,442; May 22; v. 238; p. 1264.
- Corset. E. F. Hume. No. 1,214,467; Jan. 30; v. 234; p. 1540.
- Corset. A. J. Lecoutre. No. 1,226,087; May 15; v. 238; p. 774.
- Corset. A. J. Lecoutre. No. 1,244,059; Oct. 23; v. 243; p. 919.
- Corset. M. G. Motz. No. 1,228,808; June 5; v. 239; p. 149.
- Corset. W. I. Pitcan. No. 1,220,271; Mar. 27; v. 236; p. 934.
- Corset. J. M. Shafer. No. 1,247,584; Nov. 20; v. 244; p. 786.

Alphabetical list of inventions—Continued.

- Corset. M. Shaw. No. 1,247,019; Nov. 20; v. 244; p. 625.
 Corset. B. L. Starr. No. 1,248,570; Dec. 4; v. 245; p. 42.
 Corset. J. H. and I. Taylor. No. 1,240,510; Sept. 18; v. 242; p. 633.
 Corset. C. B. Williams. No. 1,215,601; Feb. 13; v. 235; p. 429.
 Corset. R. J. Wright and H. S. Bridgman. No. 1,246,370; Nov. 13; v. 244; p. 398.
 Corset, Anatomical. S. L. Gossard. No. 1,232,282; July 3; v. 240; p. 250.
 Corset and detachable abdominal support, Combination. J. M. Johnson. No. 1,242,946; Oct. 16; v. 243; p. 545.
 Corset, Apparel-. D. Kops. No. 1,212,963; Jan. 16; v. 234; p. 960.
 Corset, Apparel-. D. Kops. No. 1,213,658; Jan. 23; v. 234; p. 1234.
 Corset, Apparel-. D. Kops. No. 1,214,180; Jan. 30; v. 234; p. 1441.
 Corset, Apparel-. D. Kops. No. 1,215,287; Feb. 6; v. 235; p. 280.
 Corset, Apparel-. D. Kops. No. 1,215,550; Feb. 13; v. 235; p. 408.
 Corset, Apparel-. D. Kops. No. 1,233,251; July 10; v. 240; p. 597.
 Corset, Apparel-. D. Kops. No. 1,234,549; July 24; v. 240; p. 1091.
 Corset, Apparel-. D. Kops. No. 1,241,400; Sept. 25; v. 242; p. 943.
 Corset attachment. S. Schaefer. No. 1,249,211; Dec. 4; v. 245; p. 226.
 Corset-cover. R. Gross. No. 1,237,894; Aug. 21; v. 241; p. 828.
 Corset-cover and chemise, Combination. J. B. Fortain and M. Viets. No. 1,240,554; Sept. 18; v. 242; p. 645.
 Corset-fastener. I. Kaczkiela. No. 1,235,143; July 31; v. 240; p. 1308.
 Corset-fastener. J. Mitchell. No. 1,224,485; May 1; v. 238; p. 134.
 Corset-lacing. O. Weingarten. No. 1,222,700; Apr. 17; v. 237; p. 670.
 Corset-stay tip. I. Brown. No. 1,224,597; May 1; v. 238; p. 172.
 Corset-stay tip. O. Mortara. No. 1,240,998; Sept. 25; v. 242; p. 817.
 Corset-steel. A. J. Lecoutre. No. 1,244,060; Oct. 23; v. 243; p. 919.
 Corset-steel holder. S. Florsheim and B. F. Orewiller. No. 1,231,246; June 26; v. 239; p. 1086.
 Corset-steels and the like, Machine for removing. L. Laveck and A. M. Roy. No. 1,222,307; Apr. 10; v. 237; p. 488.
 Corset, Straight-back. S. Kinscella. No. 1,216,326; Feb. 20; v. 235; p. 728.
 Corsets, Lacing-fly for. C. B. Howd. No. 1,222,103; Apr. 10; v. 237; p. 416.
 Corsets, Method of and apparatus for testing. C. H. Lake. No. 1,211,598; Jan. 9; v. 234; p. 451.
 Cot. G. Norberti. No. 1,243,092; Oct. 16; v. 243; p. 592.
 Cot, Ambulance. W. H. Thomas. No. 1,242,496; Oct. 9; v. 243; p. 366.
 Cot and operating-table, Hospital-. W. Brown. No. 1,233,292; July 10; v. 240; p. 609.
 Cot and seat, Combination folding. C. W. and A. N. Clough and W. O. Spring. No. 1,217,085; Feb. 20; v. 235; p. 998.
 Cot and stretcher, Folding. A. Thorp. No. 1,231,220; June 26; v. 239; p. 1078.
 Cot and table, Combination folding. C. W. and A. N. Clough and W. O. Spring. No. 1,210,605; Jan. 2; v. 234; p. 78.
 Cot, Folding. J. C. Connally and J. D. Russell. No. 1,246,716; Nov. 13; v. 244; p. 500.
 Cot, Folding. M. Lowy. No. 1,246,123; Nov. 13; v. 244; p. 323.
 Cot, Folding. M. Lowy. No. 1,246,290; Nov. 13; v. 244; p. 373.
 Cotter. H. H. Shelton. No. 1,222,896; Apr. 17; v. 237; p. 736.
 Cotter-key. J. F. Pfister. No. 1,244,076; Oct. 23; v. 243; p. 923.
 Cotter-pin. C. F. Doerschuk. No. 1,230,876; June 26; v. 239; p. 960.
 Cotter-pin. H. J. Hennessy. No. 1,248,655; Dec. 4; v. 245; p. 67.
 Cotter-pin extractor. J. A. Anderson. No. 1,222,173; Apr. 10; v. 237; p. 441.
 Cotter-pin extractor. C. Stone. No. 1,236,016; Aug. 7; v. 241; p. 160.
 Cotton and cotton goods and other combustible substances to render them permanently less inflammable, Treatment of. W. H. Perkin and S. Bradbury. No. 1,224,204; May 1; v. 238; p. 31.
 Cotton and cotton goods and other combustible substances to render them permanently less inflammable, Treatment of. W. H. Perkin and S. Bradbury. No. 1,224,205; May 1; v. 238; p. 31.
 Cotton-bag emptier. O. A. Brown. No. 1,214,421; Jan. 30; v. 234; p. 1526.
 Cotton-chopper. A. C. Baumwart. No. 1,233,745; July 17; v. 240; p. 795.
 Cotton-chopper. L. M. Cromwell. No. 1,226,754; May 22; v. 238; p. 1034.
 Cotton-chopper. J. N. Daniel. No. 1,231,502; June 26; v. 239; p. 1169.
 Cotton-chopper. A. R. East. No. 1,247,246; Nov. 20; v. 244; p. 691.
 Cotton-chopper. B. W. Forrest. No. 1,234,002; July 17; v. 240; p. 878.
 Cotton-chopper. J. C. Gunn. No. 1,223,868; Apr. 24; v. 237; p. 1106.
 Cotton-chopper. M. A. Jones. No. 1,214,684; Feb. 6; v. 235; p. 71.
 Cotton-chopper. F. B. Moore. No. 1,219,984; Mar. 20; v. 236; p. 796.
 Cotton-chopper. R. B. Morris. No. 1,227,294; May 22; v. 238; p. 1218.
 Cotton-chopper. A. J. Noblett. No. 1,237,804; Aug. 21; v. 241; p. 801.
 Cotton-chopper. R. J. Poston. No. 1,248,160; Nov. 27; v. 244; p. 985.
 Cotton-chopper. J. G. Sims. No. 1,225,066; May 8; v. 238; p. 384.
 Cotton-chopper. B. Van Hoesen. No. 1,214,977; Feb. 6; v. 235; p. 174.
 Cotton-chopper. J. D. White. No. 1,213,321; Jan. 23; v. 234; p. 1119.
 Cotton-chopper. S. H. Wills. No. 1,210,579; Jan. 2; v. 234; p. 70.
 Cotton-chopper. J. F. Young. No. 1,235,512; July 31; v. 240; p. 1419.
 Cotton-chopper or blocker. J. V. Cunningham. No. 1,243,046; Oct. 16; v. 243; p. 577.
 Cotton-cleaner. G. C. Line. No. 1,235,212; July 31; v. 240; p. 1329.
 Cotton-cleaner. S. D. Murray. No. 1,238,043; Aug. 21; v. 241; p. 876.
 Cotton-cleaning apparatus. J. O'Connell. No. 1,239,432; Sept. 4; v. 242; p. 227.
 Cotton-compress. W. Hill. No. 1,230,709; June 19; v. 239; p. 866.
 Cotton-distributor. W. White. No. 1,241,318; Sept. 25; v. 242; p. 919.
 Cotton-elevator. C. S. Middleton and D. B. Thompson. No. 1,240,752; Sept. 18; v. 242; p. 706.
 Cotton-gathering machine. T. E. Brown and C. T. Westlin. No. 1,230,374; June 19; v. 239; p. 754.
 Cotton-gin. W. T. Dodd. No. 1,226,317; May 15; v. 238; p. 855.
 Cotton-gin. T. S. Grimes. No. 1,241,466; Sept. 25; v. 242; p. 962.
 Cotton-gin. J. F. Hopper, G. B. Stephens, and H. F. Young. No. 1,234,336; July 24; v. 240; p. 1021.
 Cotton-gin. E. L. Huntsman. No. 1,229,084; June 5; v. 239; p. 237.
 Cotton-gin. S. F. Krupp. No. 1,231,032; June 26; v. 239; p. 1014.
 Cotton-gin. W. H. Morton and M. Robinson. No. 1,233,103; July 10; v. 240; p. 549.
 Cotton-gin. N. P. Pearse. No. 1,212,672; Jan. 16; v. 234; p. 861.
 Cotton, Gin attachment for bolly. G. T. Becknell. No. 1,242,126; Oct. 9; v. 243; p. 250.
 Cotton-gin feeder. J. H. Cary. No. 1,222,523; Apr. 10; v. 237; p. 565.
 Cotton-gin mote-board. J. L. Wooldridge. No. 1,227,727; May 29; v. 238; p. 1391.
 Cotton-gin of the double-roller type. L. L. Foss. No. 1,215,137; Feb. 6; v. 235; p. 227.
 Cotton-gin press-block, Filler for a. J. S. Hall. No. 1,219,301; Mar. 13; v. 236; p. 528.
 Cotton-gins, Mote-board attachment for. J. M. Westbrook. No. 1,237,985; Aug. 21; v. 241; p. 858.
 Cotton, Ginning, cleaning, and bleaching. W. A. J. Hodo. No. 1,230,298; June 19; v. 239; p. 730.
 Cotton-ginning method and apparatus. C. B. Cotton. No. 1,234,092; July 17; v. 240; p. 906.
 Cotton into sheets, Machine for rolling raw. D. Allard. No. 1,225,099; May 8; v. 238; p. 396.
 Cotton match. M. Walkos. No. 1,245,837; Nov. 6; v. 244; p. 211.
 Cotton, Method and apparatus for handling seed-. G. F. Thompson. No. 1,242,271; Oct. 9; v. 243; p. 295.
 Cotton or other materials, Apparatus for distributing. C. E. Riley and C. Robinson. No. 1,227,072; May 22; v. 238; p. 1144.
 Cotton-picker. J. P. Brown. No. 1,212,899; Jan. 16; v. 234; p. 937.
 Cotton-picker. J. W. Dinsmore. No. 1,219,539; Mar. 20; v. 236; p. 641.
 Cotton-picker. B. Johnson. No. 1,215,660; Feb. 13; v. 235; p. 451.
 Cotton-picker. O. D. Killebrew. No. 1,235,486; July 31; v. 240; p. 1410.
 Cotton-picker. J. B. Nell. No. 1,213,529; Jan. 23; v. 234; p. 1190.
 Cotton-picker. J. B. Nell. No. 1,223,328; Apr. 17; v. 237; p. 880.
 Cotton-picker. W. C. Prickett. No. 1,233,907; July 17; v. 240; p. 847.
 Cotton-picker. W. C. Prickett. No. 1,234,386; July 24; v. 240; p. 1038.
 Cotton-picker. H. M. Reese. No. 1,241,280; Sept. 25; v. 242; p. 907.
 Cotton-picker. J. W. Vittetoe. No. 1,225,193; May 8; v. 238; p. 427.

- Cotton-picker. G. W. Ward. No. 1,219,204; Mar. 13; v. 236; p. 494.
- Cotton-picker's sack. B. M. Whiteker. No. 1,235,865; Aug. 7; v. 241; p. 110.
- Cotton-picking machine. H. L. Fisher. No. 1,229,598; June 12; v. 239; p. 462.
- Cotton-picking machine. H. L. Fisher. No. 1,229,599; June 12; v. 239; p. 462.
- Cotton-picking machine. W. L. Fodrea. No. 1,247,387; Nov. 20; v. 244; p. 730.
- Cotton-picking machine. J. W. Patterson. No. 1,228,238; May 29; v. 238; p. 1562.
- Cotton-picking spindle. E. Lightfoot. No. 1,245,246; Nov. 6; v. 244; p. 82.
- Cotton-picking spindle and stripper therefor. C. Volkman. No. 1,227,223; May 22; v. 238; p. 1195.
- Cotton-plant for the recovery of its value, Treating the. M. W. Marsden. No. 1,229,181; June 5; v. 239; p. 271.
- Cotton-plants, Machine for pulling. M. W. Marsden. No. 1,248,365; Nov. 27; v. 244; p. 1042.
- Cotton-press follower-board. H. Wuensch and O. Pfeil. No. 1,225,095; May 8; v. 238; p. 395.
- Cotton-presses, Hinged gear-trip for automatic. E. R. Alsey. No. 1,214,112; Jan. 30; v. 234; p. 1419.
- Cotton-presses, Trampler for. N. B. Henry. No. 1,212,637; Jan. 16; v. 234; p. 847.
- Cotton-reginning machine. L. K. Stephens. No. 1,215,741; Feb. 13; v. 235; p. 477.
- Cotton-seed-culling machine. C. D. Pantaze. No. 1,223,607; Apr. 24; v. 237; p. 1013.
- Cotton-seed from the hulls, Machine for separating meats of. A. D. Kennedy. No. 1,246,108; Nov. 13; v. 244; p. 318.
- Cotton-seed-hull-delinting machine. T. R. Cole. No. 1,246,715; Nov. 13; v. 244; p. 499.
- Cotton-seed hulls and meats, Process of and apparatus for separating. R. W. Rustin. No. 1,226,263; May 15; v. 238; p. 837.
- Cotton-seed hulls, Method of and apparatus for delinting. M. Reynolds. No. 1,244,131; Oct. 23; v. 243; p. 940.
- Cotton-seed linter. W. H. Cox. No. 1,220,959; Mar. 27; v. 236; p. 1171.
- Cotton-seed linter. J. S. Mullen. No. 1,220,879; Mar. 27; v. 236; p. 1145.
- Cotton-seed linter. H. E. Sessions. No. 1,231,951; July 3; v. 240; p. 139.
- Cotton-seed linter. B. F. Summerour. No. 1,243,895; Oct. 23; v. 243; p. 871.
- Cotton-square-gathering device. M. V. Summers and H. T. Passmore. No. 1,246,487; Nov. 13; v. 244; p. 433.
- Cotton-stalk-pulling machine. J. D. Anderson. No. 1,223,231; Apr. 17; v. 237; p. 849.
- Cotton-stalks to pulp suitable for the manufacture of paper, Process and apparatus for reducing. J. M. Irwin. No. 1,250,106; Dec. 11; v. 245; p. 515.
- Cotton-tramper. J. E. Whitt. No. 1,235,088; July 31; v. 240; p. 1292.
- Cotton tramper and baler. P. K. Crowell. No. 1,235,556; Aug. 7; v. 241; p. 8.
- Cotton-treating apparatus and process. S. H. Dunlap. No. 1,215,260; Feb. 6; v. 235; p. 271.
- Cotton-waste, Reclaiming. G. M. Whittin. No. 1,235,949; Aug. 7; v. 241; p. 138.
- Cotton-waste, &c., Treating. H. S. Landell. No. 1,222,422; Apr. 10; v. 237; p. 530.
- Cotton, wool, rags, &c., drier. A. Solod. No. 1,238,589; Aug. 28; v. 241; p. 1088.
- Couch, Convertible. G. F. Sisbower and L. E. Pittoni. No. 1,240,500; Sept. 18; v. 242; p. 630.
- Couch-cylinder, Felt-covered suction. E. V. Phelps. No. 1,241,272; Sept. 25; v. 242; p. 905.
- Couch ends, chair-backs, and the like, Fitment for adjustable. D. McErlane. No. 1,238,035; Aug. 21; v. 241; p. 874.
- Couch lock, Folding. W. P. Seng. No. 1,239,528; Sept. 11; v. 242; p. 285.
- Couch or sofa. S. Karpen. No. 1,213,380; Jan. 23; v. 234; p. 1139.
- Couch, Portable. S. E. Couch. No. 1,227,586; May 29; v. 238; p. 1342.
- Couch, Reclining. H. B. Arnold. No. 1,215,609; Feb. 13; v. 235; p. 432.
- Couch-roll. F. H. Hoberg and C. C. Thomas, Jr. No. 1,228,114; May 29; v. 238; p. 1523.
- Couch, Traction. J. W. Riddle. No. 1,242,598; Oct. 9; v. 243; p. 461.
- Counter. F. W. Fullerton. No. 1,249,060; Dec. 4; v. 245; p. 183.
- Counter. G. H. Jones. No. 1,243,610; Oct. 16; v. 243; p. 746.
- Counter-bin. B. E. Darby. No. 1,227,892; May 29; v. 238; p. 1448.
- Counter, Dispensing. W. H. Griffin. No. 1,249,617; Dec. 11; v. 245; p. 374.
- Counter, Live-stock. A. C. Moore and J. F. Coonan. No. 1,250,483; Dec. 18; v. 245; p. 668.
- Counter, Notion. M. Taussig. No. 1,226,027; May 15; v. 238; p. 752.
- Counter-shaft. H. Dalton. No. 1,230,128; June 19; v. 239; p. 673.
- Counter-stiffener. G. P. Presby. No. 1,219,999; Mar. 20; v. 236; p. 801.
- Counterbalance. C. P. Marshall. No. 1,235,041; July 31; v. 240; p. 1279.
- Counterbalancing device. R. D. Gardner. No. 1,224,629; May 1; v. 238; p. 183.
- Counterboring-tool. E. F. G. Gibbs. No. 1,219,097; Mar. 13; v. 236; p. 458.
- Counterboring-tool. A. T. Rossignol. No. 1,232,980; July 10; v. 240; p. 511.
- Counterboring-tool and holder. D. F. Carscadden. No. 1,214,754; Feb. 6; v. 235; p. 95.
- Countersink. V. Ahlgren. No. 1,229,565; June 12; v. 239; p. 452.
- Counting and listing machine. C. E. Chapman. No. 1,222,359; Apr. 10; v. 237; p. 507.
- Counting and packaging mechanism. W. H. Luden. No. 1,237,351; Aug. 21; v. 241; p. 657.
- Counting and recording mechanism. H. T. Goss. No. 1,228,315; May 29; v. 238; p. 1587.
- Counting device. H. F. Myers. No. 1,227,485; May 22; v. 238; p. 1279.
- Counting device. C. F. Thompson. No. 1,236,787; Aug. 14; v. 241; p. 440.
- Counting-machine. D. F. Merriman and C. W. Harris. No. 1,230,196; June 19; v. 239; p. 696.
- Coupling. See—
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| Air-coupling. | Pipe-coupling. |
| Air-brake coupling. | Pneumatic coupling. |
| Air-pipe coupling. | Pump-coupling. |
| Automobile steering-coupling. | Pump-rod coupling. |
| Bed-rail coupling. | Radiator-coupling. |
| Belt-coupling. | Railway-vehicle coupling. |
| Car-coupling. | Reversible coupling. |
| Car and air coupling. | Rod-coupling. |
| Car and air-hose coupling. | Rope-coupling. |
| Car and electric coupling. | Shaft-coupling. |
| Car and pipe coupling. | Spring-coupling. |
| Car and train-pipe coupling. | Starter-coupling. |
| Car, train-pipe, and electric coupling. | Sweep-stick coupling. |
| Detachable coupling. | Tape-coupling. |
| Doubletree-coupling. | Thill-coupling. |
| Electric coupling. | Tire-coupling. |
| Expansion-coupling. | Tractor-coupling. |
| Flexible coupling. | Tractor-trailer coupling. |
| Fluid-coupling. | Trailer-coupling. |
| Friction-coupling. | Train-line coupling. |
| Hammer-ram coupling. | Tub-coupling. |
| Hose-coupling. | Tubular coupling. |
| Hose and pipe coupling. | Universal coupling. |
| Junction-box coupling. | Vehicle-coupling. |
| | Windmill-coupling. |
| | Wire-cord coupling. |
- Coupling. W. G. Beatty. No. 1,215,763; Feb. 13; v. 235; p. 485.
- Coupling. E. F. Berry. No. 1,233,169; July 10; v. 240; p. 572.
- Coupling. E. F. Berry. No. 1,233,170; July 10; v. 240; p. 572.
- Coupling. E. F. Berry. No. 1,233,171; July 10; v. 240; p. 573.
- Coupling. E. F. Berry. No. 1,233,172; July 10; v. 240; p. 573.
- Coupling. J. W. Buller. No. 1,240,818; Sept. 25; v. 242; p. 760.
- Coupling. O. E. Byron. No. 1,234,869; July 31; v. 240; p. 1223.
- Coupling. L. Daft. No. 1,229,417; June 12; v. 239; p. 401.
- Coupling. O. H. Elveness. No. 1,248,294; Nov. 27; v. 244; p. 1023.
- Coupling. C. O. Engstrom. No. 1,215,510; Feb. 13; v. 235; p. 393.
- Coupling. A. S. Frieze. No. 1,230,146; June 19; v. 239; p. 679.
- Coupling. J. T. Fudge. No. 1,246,255; Nov. 13; v. 244; p. 362.
- Coupling. W. R. Hudson. No. 1,229,465; June 12. v. 239; p. 417.
- Coupling. G. L. McCain. No. 1,251,065; Dec. 25; v. 245; p. 891.
- Coupling. E. C. Meier. No. 1,220,254; Mar. 27; v. 236; p. 927.
- Coupling. J. P. Metzger. No. 1,217,804; Feb. 27; v. 235; p. 1295.
- Coupling. W. Mitchell. No. 1,241,137; Sept. 25; v. 242; p. 859.
- Coupling. J. Noel. No. 1,224,202; May 1; v. 238; p. 30.
- Coupling. L. A. Scribner. No. 1,248,558; Dec. 4; v. 245; p. 38.
- Coupling. C. C. Sunderland. No. 1,249,241; Dec. 4; v. 245; p. 236.
- Coupling. H. Vissering. No. 1,234,104; July 17; v. 240; p. 909.
- Coupling attachment. H. F. Woernley. No. 1,211,516; Jan. 9; v. 234; p. 424.
- Coupling-bolt. I. Davidson. No. 1,225,932; May 15; v. 238; p. 719.
- Coupling-centering mechanism. W. Kelso. No. 1,214,318; Jan. 30; v. 234; p. 1492.
- Coupling-centering mechanism. I. H. Milliken. No. 1,214,350; Jan. 30; v. 234; p. 1502.
- Coupling-centering mechanism. I. H. Milliken. No. 1,214,351; Jan. 30; v. 234; p. 1503.
- Coupling-centering mechanism. W. A. Redman. No. 1,226,116; May 15; v. 238; p. 783.

Alphabetical list of inventions—Continued.

- Coupling-centering mechanism. W. J. Regan. No. 1,218,208; Mar. 6; v. 236; p. 112.
- Coupling-clamp. W. W. Price. No. 1,240,486; Sept. 18; v. 242; p. 625.
- Coupling device. P. J. Culhane. No. 1,233,849; July 17; v. 240; p. 829.
- Coupling device. C. A. De Yarman. No. 1,230,134; June 19; v. 239; p. 675.
- Coupling device. B. P. S. Sørensen. No. 1,235,944; Aug. 7; v. 241; p. 136.
- Coupling element. F. M. Fairgrieve. No. 1,225,791; May 15; v. 238; p. 672.
- Coupling-key-retaining means. A. J. B. Harris. No. 1,224,461; May 1; v. 238; p. 125.
- Coupling-link. T. M. Avery. No. 1,246,520; Nov. 13; v. 244; p. 443.
- Coupling-link. W. T. Durham. No. 1,220,614; Mar. 27; v. 236; p. 1055.
- Coupling means for rigid and flexible members. J. F. McCleary. No. 1,233,379; July 17; v. 240; p. 675.
- Coupling member. C. W. C. W. and B. K. Inglis. No. 1,214,308; Jan. 30; v. 237; p. 1489.
- Coupling or clutch. J. W. Barber. No. 1,214,985; Feb. 6; v. 235; p. 178.
- Coupling-pocket. F. H. Bird. No. 1,223,465; Apr. 24; v. 237; p. 962.
- Coupling-release-rigging. I. H. Milliken. No. 1,236,861; Aug. 14; v. 241; p. 462.
- Coupling-shank and yoke connection. E. H. Schmidt. No. 1,236,882; Aug. 14; v. 241; p. 468.
- Couplings. Guard-arm for. R. E. L. Janney. No. 1,223,491; Apr. 24; v. 237; p. 972.
- Couplings. Supporting device for. W. F. Richards. No. 1,213,542; Jan. 23; v. 234; p. 1195.
- Coupon. Gift-. K. Suyehiro. No. 1,250,706; Dec. 18; v. 245; p. 734.
- Coupon-strip holder. L. P. Hardy. No. 1,212,349; Jan. 16; v. 234; p. 744.
- Course-finder. W. M. Sistare. No. 1,225,514; May 8; v. 238; p. 535.
- Cove-molding and fittings. Metal. G. S. Knapp. No. 1,250,594; Dec. 18; v. 245; p. 702.
- Cover. F. Bach and H. Silverman. No. 1,231,553; July 3; v. 240; p. 4.
- Cover and center-page-insert sheet feeding and folding mechanism. H. M. Barber. No. 1,229,399; June 12; v. 239; p. 395.
- Cover and fastener therefor. Receptacle-. F. W. Barker. No. 1,211,384; Jan. 9; v. 234; p. 379.
- Cover. Detachable. H. B. Beatty. No. 1,243,033; Oct. 16; v. 243; p. 574.
- Cover fastener. Receptacle-. A. Drewitz. No. 1,241,831; Oct. 2; v. 243; p. 116.
- Cover-locking means. C. D. Platt. No. 1,239,718; Sept. 11; v. 242; p. 348.
- Cover or chest-lid. Device for holding a. C. D. Bartran. No. 1,238,871; Sept. 4; v. 242; p. 48.
- Cover or tarpaulin. Adaptable or convertible. W. B. Robeson. No. 1,238,340; Aug. 28; v. 241; p. 1008.
- Cover-plate-operating mechanism. L. A. Ranshousen. No. 1,225,679; May 8; v. 238; p. 591.
- Cover-preventing shield. J. Graumann. No. 1,227,261; May 22; v. 238; p. 1208.
- Cover. Receptacle-. C. Borchmann. No. 1,210,892; Jan. 2; v. 234; p. 177.
- Cover-remover. D. F. Green. No. 1,250,448; Dec. 18; v. 245; p. 658.
- Cover-supporting device. H. S. Sturtevant and E. K. Biddy. No. 1,242,736; Oct. 9; v. 243; p. 443.
- Covering. J. H. Munro. No. 1,250,622; Dec. 18; v. 245; p. 710.
- Covering. J. H. Munro. No. 1,250,623; Dec. 18; v. 245; p. 710.
- Covering and the like. Protective and non-penetrative. G. Lynch. No. 1,213,118; Jan. 16; v. 234; p. 1014.
- Covering for irregular surfaces. H. W. Ritter. No. 1,211,624; Jan. 9; v. 234; p. 460.
- Covering material. Producing blocks of. O. Poppe and C. von Michalkowski. No. 1,236,349; Aug. 7; v. 241; p. 261.
- Covering with a protective plastic coating flattened strips and product thereof. Process for. E. Guichard. No. 1,230,151; June 19; v. 239; p. 680.
- Cow-tail holder. F. C. Gieseke. No. 1,227,606; May 29; v. 238; p. 1348.
- Cow-tail holder. O. A. Pagander. No. 1,247,870; Nov. 27; v. 244; p. 904.
- Cow-tail holder. G. Senfleben, Jr. No. 1,226,709; May 22; v. 238; p. 1018.
- Cow-tail holder. A. J. Thompson. No. 1,224,237; May 1; v. 238; p. 44.
- Cow-tail-holding device. J. Aerni and J. O. Venden. No. 1,219,062; Mar. 13; v. 236; p. 446.
- Cows. Antikicking device for. C. W. Harper. No. 1,248,651; Dec. 4; v. 245; p. 66.
- Cowl. T. S. Grimes. No. 1,222,394; Apr. 10; v. 237; p. 519.
- Crab and terrapin trap. R. E. Carter. No. 1,223,851; Apr. 24; v. 237; p. 1099.
- Cradle. F. Scolardi. No. 1,246,476; Nov. 13; v. 244; p. 430.
- Cradle and means for rocking the same. S. D. Vanderburgh. No. 1,227,984; May 29; v. 238; p. 1480.
- Cradle apparatus. W. F. Walsh. No. 1,227,710; May 29; v. 238; p. 1385.
- Cradle or crib. J. E. Froman. No. 1,224,525; May 1; v. 238; p. 147.
- Crane. T. N. Garson. No. 1,228,659; June 5; v. 239; p. 96.
- Crane. D. Kendall. No. 1,226,533; May 15; v. 238; p. 922.
- Crane. Balanced cable-. W. F. Brothers. No. 1,245,185; Nov. 6; v. 244; p. 13.
- Crane. Lifting-. L. Brennan. No. 1,250,424; Dec. 18; v. 245; p. 650.
- Crane or derrick. Balanced. W. F. Brothers. No. 1,245,186; Nov. 6; v. 244; p. 13.
- Crane. Portable. J. Dykes. No. 1,213,603; Jan. 23; v. 234; p. 1217.
- Crane. Soaking-pit. D. Kendall. No. 1,236,089; Aug. 7; v. 241; p. 180.
- Crank. Adjustable. M. C. Turner. No. 1,215,747; Feb. 13; v. 235; p. 470.
- Crank and lever mechanism. H. Schwartz and A. A. Grundy. No. 1,232,101; July 3; v. 240; p. 191.
- Crank-arms. Attachment for. R. N. Burgedorf. No. 1,227,743; May 29; v. 238; p. 1396.
- Crank-cases. Interceptor for. E. M. White. No. 1,237,432; Aug. 21; v. 241; p. 683.
- Crank-casing support. J. A. Johnson. No. 1,239,915; Sept. 11; v. 242; p. 411.
- Crank. Hand-. V. A. Walkup. No. 1,247,911; Nov. 27; v. 244; p. 915.
- Crank-holding attachment. J. W. Cunningham. No. 1,243,593; Oct. 16; v. 243; p. 740.
- Crank-locking device. G. H. Hilbers. No. 1,238,912; Sept. 4; v. 242; p. 62.
- Crank-pins and the like. Machine for turning off. J. B. Edwards. No. 1,239,369; Sept. 4; v. 242; p. 207.
- Crank-pins. Tool for turning and truing. J. Murrie and W. Ott. No. 1,235,914; Aug. 7; v. 241; p. 126.
- Crank. Safety starting-. J. Daniel. No. 1,249,344; Dec. 11; v. 245; p. 296.
- Crank-shaft. J. E. Holveck. No. 1,223,071; Apr. 17; v. 237; p. 796.
- Crank-shaft. O. Lasche. No. 1,251,389; Dec. 25; v. 245; p. 986.
- Crank-shaft. T. B. Slate. No. 1,210,996; Jan. 2; v. 234; p. 214.
- Crank-shaft. Balanced. S. I. Fekete. (Reissue.) No. 1,292; Apr. 24; v. 237; p. 1197.
- Crank-shafts. Constructing. G. N. Goodrich. No. 1,235,026; July 31; v. 240; p. 1273.
- Crank-shafts. Making. T. E. Murray. No. 1,220,771; Mar. 27; v. 236; p. 1108.
- Crank-shafts. Making counterbalanced. G. C. Gordon. No. 1,232,791; July 10; v. 240; p. 449.
- Cranking device. Safety. J. J. Bush. No. 1,232,892; July 10; v. 240; p. 483.
- Crate. A. Anderson. No. 1,211,656; Jan. 9; v. 234; p. 471.
- Crate. M. B. Becker. No. 1,216,270; Feb. 20; v. 235; p. 718.
- Crate. L. C. Britt. No. 1,213,734; Jan. 23; v. 234; p. 1259.
- Crate. M. D. Drake. No. 1,232,665; July 10; v. 240; p. 407.
- Crate. W. A. Edwards and W. W. Whipple. No. 1,246,249; Nov. 13; v. 244; p. 360.
- Crate. L. M. Fleming. No. 1,242,430; Oct. 9; v. 243; p. 345.
- Crate. J. C. Heald. No. 1,211,700; Jan. 9; v. 234; p. 486.
- Crate. B. A. Lange. No. 1,210,954; Jan. 2; v. 234; p. 199.
- Crate. G. E. McFarland. No. 1,217,796; Feb. 27; v. 235; p. 1293.
- Crate. J. J. McKay. No. 1,215,292; Feb. 6; v. 235; p. 281.
- Crate. I. J. Morris. No. 1,214,815; Feb. 6; v. 235; p. 115.
- Crate. G. Smith. No. 1,232,987; July 10; v. 240; p. 513.
- Crate and lock. Collapsible. B. M. Tomberlin. No. 1,229,677; June 12; v. 239; p. 490.
- Crate and lock. Collapsible. B. M. Tomberlin. No. 1,231,460; June 26; v. 239; p. 1157.
- Crate. Banana-. C. Q. C. Leigh. No. 1,247,292; Nov. 20; v. 244; p. 703.
- Crate. Collapsible. J. A. Hazen and L. D. Gentzler. No. 1,210,800; Jan. 2; v. 234; p. 145.
- Crate. Collapsible. P. C. Ickes. No. 1,230,830; June 19; v. 239; p. 905.
- Crate. Collapsible. P. C. Ickes. No. 1,230,831; June 19; v. 239; p. 905.
- Crate. Collapsible. C. M. Lee. No. 1,238,028; Aug. 21; v. 241; p. 872.
- Crate. Collapsible. J. J. Robejsek. No. 1,220,275; Mar. 27; v. 236; p. 936.
- Crate. Collapsible. J. Scarr. No. 1,227,079; May 22; v. 238; p. 1146.
- Crate. Collapsible. B. M. Tomberlin. No. 1,231,459; June 26; v. 239; p. 1157.
- Crate. Collapsible carrying-. T. B. Bomar. No. 1,216,058; Feb. 13; v. 235; p. 593.
- Crate. Collapsible poultry-. E. Frankfurt. No. 1,210,452; Jan. 2; v. 234; p. 25.

- Crate-cover press, Vegetable-. J. H. Platt. No. 1,248,002; Nov. 27; v. 244; p. 941.
- Crate, Egg-. A. Copony. No. 1,232,226; July 3; v. 240; p. 231.
- Crate, Egg-. J. A. Johnson. No. 1,235,482; July 31; v. 240; p. 1408.
- Crate, Egg-. S. C. Wallace. No. 1,229,688; June 12; v. 239; p. 493.
- Crate, Foldable. L. V. Jenkins and W. K. Bailey. No. 1,227,445; May 22; v. 238; p. 1265.
- Crate, Foldable. I. Lucy. No. 1,226,227; May 15; v. 238; p. 820.
- Crate, Folding. H. C. Campbell. No. 1,216,210; Feb. 13; v. 235; p. 646.
- Crate, Folding. H. E. Colleys. No. 1,242,772; Oct. 9; v. 243; p. 455.
- Crate, Folding. R. T. Janes. No. 1,227,793; May 29; v. 238; p. 1414.
- Crate, Folding. F. G. Kiehl. No. 1,232,331; July 3; v. 240; p. 266.
- Crate, Folding. A. Kroner. No. 1,238,025; Aug. 21; v. 241; p. 871.
- Crate, Folding. M. A. Long. No. 1,240,463; Sept. 18; v. 242; p. 618.
- Crate, Folding. R. R. Mortland and W. S. Kail. No. 1,240,757; Sept. 18; v. 242; p. 708.
- Crate, Folding. J. D. Stires. No. 1,240,097; Sept. 11; v. 242; p. 463.
- Crate, Folding egg-. F. Standiford. No. 1,230,336; June 19; v. 239; p. 743.
- Crate, Folding shipping-. F. Cerveny. No. 1,233,981; July 17; v. 240; p. 871.
- Crate, Knockdown. J. Limonello. No. 1,225,665; May 8; v. 238; p. 586.
- Crate, Knockdown. P. Walston. No. 1,228,268; May 29; v. 238; p. 1571.
- Crate, Metallic. J. R. Freeze. No. 1,212,758; Jan. 16; v. 234; p. 891.
- Crate, Metallic. J. R. Freeze. No. 1,225,025; May 8; v. 238; p. 370.
- Crate or box. O. A. Lane, D. Guice, and H. P. Dohrmeier. No. 1,232,337; July 3; v. 240; p. 267.
- Crate or case, Delivery. T. V. Boardman. No. 1,210,405; Jan. 2; v. 234; p. 8.
- Crate or coop, Collapsible chicken. C. D. Leister. No. 1,226,781; May 22; v. 238; p. 1044.
- Crate, Poultry-. E. M. Eger and R. D. Klear. No. 1,242,160; Oct. 9; v. 243; p. 260.
- Crate, Shipping-. A. D. Childs. No. 1,242,143; Oct. 9; v. 243; p. 255.
- Crate, Shipping-. J. E. Logan. No. 1,231,178; June 26; v. 239; p. 1064.
- Crate, Shipping-. L. Miller. No. 1,229,118; June 5; v. 239; p. 249.
- Crate-top lock, Egg-. M. S. Bennett. No. 1,216,401; Feb. 20; v. 235; p. 767.
- Crate, Vinegar-shipping. C. Q. C. Leigh. No. 1,222,638; Apr. 17; v. 237; p. 648.
- Crates, Fruit-protecting device for berry-. H. C. Fooks. No. 1,226,875; May 22; v. 238; p. 1076.
- Crates, Protective cover for fruit-. S. P. Bunker. No. 1,213,584; Jan. 23; v. 234; p. 1210.
- Crating apparatus for bottles and the like. L. A. Hawthorne. No. 1,243,406; Oct. 16; v. 243; p. 683.
- Crating mechanism, Bottle-. L. A. Hawthorne. No. 1,243,407; Oct. 16; v. 243; p. 684.
- Crating mechanism, Bottle-. L. A. Hawthorne. No. 1,243,408; Oct. 16; v. 243; p. 684.
- Cravat-supporter. T. P. Panogos. No. 1,247,570; Nov. 20; v. 244; p. 782.
- Crayon-holder. O. G. Carlson. No. 1,216,070; Feb. 13; v. 235; p. 597.
- Crayons and the like, Receptacle for. C. E. Daniel and C. W. Hord. No. 1,217,283; Feb. 27; v. 235; p. 1111.
- Cream-box. G. A. Miller. No. 1,237,363; Aug. 21; v. 241; p. 660.
- Cream-cooler. J. S. Wearn. No. 1,230,960; June 26; v. 239; p. 989.
- Cream-cup. O. F. Helwig. No. 1,222,206; Apr. 10; v. 237; p. 453.
- Cream-machine, Automatic. J. T. Hohberger. No. 1,215,024; Feb. 6; v. 235; p. 192.
- Cream, Making artificial. H. C. Beckman and G. E. Dyck. No. 1,216,052; Feb. 13; v. 235; p. 591.
- Cream-protector. H. E. Richter. No. 1,230,785; June 19; v. 239; p. 891.
- Cream-remover. Siphon. J. H. Courner. No. 1,237,871; Aug. 21; v. 241; p. 821.
- Cream-separator. S. C. Anker-Holth. No. 1,212,168; Jan. 16; v. 234; p. 677.
- Cream-separator. H. B. Keiper. No. 1,241,988; Oct. 2; v. 243; p. 105.
- Cream-separator bowls, Suspension and driving device for centrifugal. P. L. Kimball. No. 1,232,810; July 10; v. 240; p. 455.
- Cream-separator, Centrifugal. P. L. Kimball. No. 1,232,811; July 10; v. 240; p. 456.
- Cream-separator, Motor-driven. C. A. and O. W. Hult. No. 1,216,572; Feb. 20; v. 235; p. 826.
- Cream-separator speed-indicator. C. F. Asplund. No. 1,244,162; Oct. 23; v. 243; p. 949.
- Cream-separators, Bearing for centrifugal. M. Leitch. No. 1,212,371; Jan. 16; v. 234; p. 752.
- Cream-separators, Bowl-casing drain for. M. Leitch. No. 1,212,370; Jan. 16; v. 234; p. 751.
- Cream-separators, Cream-cone for. P. L. Kimball. No. 1,247,965; Nov. 27; v. 244; p. 931.
- Cream-separators, Leveling-base for. E. C. Bryhan. No. 1,210,411; Jan. 2; v. 234; p. 11.
- Cream-separators, Regulating device for centrifugal. P. L. Kimball. No. 1,232,568; July 10; v. 240; p. 875.
- Cream-treating device and process. J. F. Ruff. No. 1,222,892; Apr. 17; v. 237; p. 735.
- Creasing-board. L. N. Plante. No. 1,221,213; Apr. 3; v. 237; p. 75.
- Creel. R. H. Brauch. No. 1,246,229; Nov. 13; v. 244; p. 554.
- Creel. H. D. Colman. No. 1,228,410; June 5; v. 239; p. 12.
- Creepers. H. Sorley. No. 1,232,114; July 3; v. 240; p. 196.
- Creepers or antislippping device. F. A. Cerruti. No. 1,241,821; Oct. 2; v. 243; p. 113.
- Cremation-furnace. G. C. Adams. No. 1,212,307; Jan. 16; v. 234; p. 730.
- Crematory. A. C. Felton, Jr. No. 1,213,766; Jan. 23; v. 234; p. 1269.
- Crematory. A. C. Felton, Jr. No. 1,235,452; July 31; v. 240; p. 1399.
- Creosote-oil substitute and making same. G. E. Heyl. No. 1,242,188; Oct. 9; v. 243; p. 269.
- Cresol condensation product. A. B. Davis. No. 1,213,465; Jan. 23; v. 234; p. 1169.
- Crib. A. F. Bent. No. 1,244,579; Oct. 30; v. 243; p. 1114.
- Crib. J. F. Daily. No. 1,219,262; Mar. 13; v. 236; p. 514.
- Crib, Folding. W. Derbyshire. No. 1,248,282; Nov. 27; v. 244; p. 1020.
- Crib, Folding. M. Lowy and A. J. Kreuzkamp. No. 1,230,736; June 19; v. 239; p. 875.
- Crib, Motor-oscillated. W. F. Sill and J. M. Feldhaus. No. 1,231,078; June 26; v. 239; p. 1030.
- Crib or bed, Folding. M. Lowy. No. 1,216,709; Feb. 20; v. 235; p. 872.
- Crib or cradle. C. F. Christopher. No. 1,218,837; Mar. 13; v. 236; p. 370.
- Crib or cradle, Folding. A. Kruger. No. 1,212,512; Jan. 16; v. 234; p. 802.
- Crib, Portable sleeping-. J. Philbin. No. 1,210,690; Jan. 2; v. 234; p. 109.
- Crib, Swinging. A. C. Boice. No. 1,218,363; Mar. 6; v. 236; p. 166.
- Cribs, Holding device for sliding-side. C. Vallone. No. 1,231,675; July 3; v. 240; p. 47.
- Crimping-die, Self-accommodating. J. Bradley. No. 1,238,486; Aug. 28; v. 241; p. 1055.
- Crimping-machine. T. J. Peet. No. 1,241,145; Sept. 25; v. 242; p. 862.
- Crimping or corrugating machine. A. M. English and H. W. Gibbs. No. 1,230,691; June 19; v. 239; p. 860.
- Crippling-machine. C. Rausch. No. 1,214,219; Jan. 30; v. 234; p. 1455.
- Crispette-machine. F. W. Bourgoins. No. 1,232,192; July 3; v. 240; p. 220.
- Crochet-hook. T. V. Parker. No. 1,210,975; Jan. 2; v. 234; p. 206.
- Crochet tension device. F. Vinal. No. 1,247,184; Nov. 20; v. 244; p. 673.
- Crocheting and other work, Device for use in. F. E. Kinney. No. 1,214,172; Jan. 30; v. 234; p. 1439.
- Cross-arm. E. C. Van Diest. No. 1,239,142; Sept. 4; v. 242; p. 136.
- Cross-heads, Adjustable gib for. M. D. Joyner. No. 1,212,140; Jan. 9; v. 234; p. 640.
- Cross-tie and rail-clamp. Steel. J. S. Reed. No. 1,222,133; Apr. 10; v. 237; p. 426.
- Cross-tie and rail-fastening. Vitreous. D. B. Faber. No. 1,228,008; May 29; v. 238; p. 1487.
- Crossing-bar joint. D. Carrough, Jr., and E. Bogert. No. 1,231,564; July 3; v. 240; p. 7.
- Crossing-gate. L. L. Hood. No. 1,240,718; Sept. 18; v. 242; p. 695.
- Crossing-signal. W. A. Hesse and P. G. Sanborn. No. 1,234,664; July 24; v. 240; p. 1126.
- Crossing-signal and operating means therefor. L. S. Brach. No. 1,232,888; July 10; v. 240; p. 481.
- Crowbar. A. H. Campbell. No. 1,216,655; Feb. 20; v. 235; p. 854.
- Crucible for preparing fused quartz. F. G. Keyes. No. 1,249,636; Dec. 11; v. 245; p. 379.
- Crucibles for preparing fused quartz, Preparing. F. G. Keyes. No. 1,249,637; Dec. 11; v. 245; p. 380.
- Crucible-furnace. G. Keith. No. 1,241,397; Sept. 25; v. 242; p. 942.
- Crucible-holder. M. W. Goldberg. No. 1,226,653; May 22; v. 238; p. 1000.
- Crusher. See—
Clod-crusher. Lobster-crusher.
- Crusher. R. E. Leighton. No. 1,214,693; Feb. 6; v. 235; p. 74.
- Crushing-machine. G. H. Fraser. No. 1,220,157; Mar. 20; v. 236; p. 861.
- Crushing-machine. E. B. Symons. No. 1,226,275; May 15; v. 238; p. 841.
- Crushing-machines, Scraper for rotating-ring. E. B. Symons. No. 1,249,852; Dec. 11; v. 245; p. 444.

Alphabetical list of inventions—Continued.

- Crushing machinery. G. H. Fraser. No. 1,220,156; Mar. 20; v. 236; p. 860.
- Crushing machinery. R. W. Pringle. No. 1,237,382; Aug. 21; v. 241; p. 667.
- Crushing or grinding machine. G. H. Fraser. No. 1,222,382; Apr. 10; v. 237; p. 515.
- Crushing or grinding machine. G. H. Fraser. No. 1,222,383; Apr. 10; v. 237; p. 515.
- Crushing or grinding machine. G. H. Fraser. No. 1,222,384; Apr. 10; v. 237; p. 516.
- Crushing or grinding machine. G. H. Fraser. No. 1,222,385; Apr. 10; v. 237; p. 516.
- Crushing or grinding machinery. Rock. G. H. Fraser. No. 1,220,155; Mar. 20; v. 236; p. 860.
- Crushing-roll. L. G. G. Dibbets. No. 1,219,927; Mar. 20; v. 236; p. 776.
- Crutch. N. F. Blackard. No. 1,241,815; Oct. 2; v. 243; p. 111.
- Crutch. P. W. Sanders. No. 1,225,364; May 8; v. 238; p. 487.
- Crutch-arm rest. A. G. Lineback. No. 1,232,057; July 3; v. 240; p. 177.
- Crutch, Invalid's. E. Walters. No. 1,244,928; Oct. 30; v. 243; p. 1220.
- Crystal-rectifier. P. C. Rawls. No. 1,211,754; Jan. 9; v. 234; p. 504.
- Crystals of sugar and other crystalline substances, Manufacture of dry. J. C. Griere. No. 1,223,910; June 5; v. 239; p. 182.
- Cue-holder. F. P. Grode. No. 1,240,705; Sept. 18; v. 242; p. 691.
- Cue-lock. T. D. Rice. No. 1,228,601; June 5; v. 239; p. 77.
- Cue-pointing tool. F. C. Cook. No. 1,225,582; May 8; v. 238; p. 560.
- Cue-rest. D. J. Rear. No. 1,227,312; May 22; v. 238; p. 1223.
- Cue-straightener. J. M. Crane. No. 1,220,199; Mar. 27; v. 236; p. 909.
- Cue-tip. G. A. Poole. No. 1,235,051; July 31; v. 240; p. 1282.
- Cue-tip. F. Ziemer. No. 1,225,201; May 8; v. 238; p. 429.
- Cuff. C. Dempsey. No. 1,241,936; Oct. 2; v. 243; p. 150.
- Cuff. F. M. Prestwich. No. 1,241,479; Sept. 25; v. 242; p. 966.
- Cuff-clasp. E. B. Stackpole. No. 1,243,775; Oct. 23; v. 243; p. 832.
- Cuff for shirts. M. I. Wells. No. 1,250,400; Dec. 18; v. 245; p. 643.
- Cuff-holder. F. P. De Wilde. No. 1,226,644; May 22; v. 238; p. 997.
- Cuff-holder. F. P. De Wilde. No. 1,230,133; June 19; v. 239; p. 675.
- Cuff-link. C. A. Riemer and B. Hendricks. No. 1,226,378; May 15; v. 238; p. 873.
- Cuff-link. G. S. Pauli. No. 1,243,547; Oct. 16; v. 243; p. 727.
- Cuff-link. M. Sapo. No. 1,219,873; Mar. 20; v. 236; p. 757.
- Cuff-link. F. E. Winston and V. B. Rogers. No. 1,227,864; May 29; v. 238; p. 1438.
- Cuff-link guard. J. L. Nye. No. 1,226,577; May 15; v. 238; p. 936.
- Cuff or wristband, Foldable. T. J. Hogan. No. 1,229,614; June 12; v. 239; p. 468.
- Cuff-protector. H. D. Newman. No. 1,239,944; Sept. 11; v. 242; p. 420.
- Cuff, Reversible. E. B. Beaver. No. 1,236,394; Aug. 14; v. 241; p. 308.
- Cuff, Shirt. C. M. Sussman. No. 1,239,137; Sept. 4; v. 242; p. 135.
- Culinary beater. E. and L. E. Baltzley. No. 1,220,928; Mar. 27; v. 236; p. 1160.
- Culinary boiler. N. Boleratz. No. 1,214,992; Feb. 6; v. 235; p. 181.
- Culinary boiler. S. Woine. No. 1,218,823; Mar. 13; v. 236; p. 365.
- Culinary device. E. Benson. No. 1,211,051; Jan. 2; v. 234; p. 233.
- Culinary implement. M. L. Curry. No. 1,246,242; Nov. 13; v. 244; p. 358.
- Culinary implement. C. M. Farrer. No. 1,238,656; Aug. 28; v. 241; p. 1108.
- Culinary lifter. G. C. Lee. No. 1,238,531; Aug. 28; v. 241; p. 1070.
- Culinary utensil. J. J. Burns and W. H. Flynn. No. 1,241,818; Oct. 2; v. 243; p. 112.
- Culinary utensil. M. M. Dickinson. No. 1,237,622; Aug. 21; v. 241; p. 743.
- Culinary utensil. J. C. Hansen. No. 1,239,593; Sept. 11; v. 242; p. 307.
- Culinary vessel. B. N. Crim. No. 1,248,274; Nov. 27; v. 244; p. 1018.
- Culinary vessel. W. E. Dunkle. No. 1,243,823; Oct. 23; v. 243; p. 849.
- Cultivating implement. R. A. Mintern. No. 1,215,322; Feb. 6; v. 235; p. 292.
- Cultivating implement. R. A. Mintern. No. 1,221,565; Apr. 3; v. 237; p. 198.
- Cultivating implement. A. S. Poe. No. 1,233,121; July 10; v. 240; p. 555.
- Cultivator. S. J. Allen. No. 1,215,096; Feb. 6; v. 235; p. 215.
- Cultivator. R. J. Altgelt. No. 1,217,383; Feb. 27; v. 235; p. 1147.
- Cultivator. R. J. Altgelt. No. 1,229,010; June 5; v. 239; p. 214.
- Cultivator. R. J. Altgelt. No. 1,237,854; Aug. 21; v. 241; p. 816.
- Cultivator. W. W. Birnstock. No. 1,226,450; May 15; v. 238; p. 895.
- Cultivator. C. B. Carley. No. 1,223,558; Apr. 24; v. 237; p. 996.
- Cultivator. J. H. Chubb. No. 1,218,743; Mar. 13; v. 236; p. 335.
- Cultivator. C. P. A. Friberg. No. 1,215,642; Feb. 13; v. 235; p. 443.
- Cultivator. R. E. Gardiner. No. 1,219,720; Mar. 20; v. 236; p. 704.
- Cultivator. G. D. Griffee. No. 1,237,508; Aug. 21; v. 241; p. 706.
- Cultivator. H. A. Harris. No. 1,217,172; Feb. 27; v. 235; p. 1075.
- Cultivator. E. M. Heylman. No. 1,212,950; Jan. 16; v. 234; p. 955.
- Cultivator. E. M. Heylman. No. 1,216,568; Feb. 20; v. 235; p. 825.
- Cultivator. J. G. Hodges. No. 1,216,810; Feb. 20; v. 235; p. 907.
- Cultivator. Q. S. Howard. No. 1,241,382; Sept. 25; v. 242; p. 937.
- Cultivator. I. S. Kimbriel. No. 1,217,776; Feb. 27; v. 235; p. 1285.
- Cultivator. A. L. Leighton. No. 1,219,013; Mar. 13; v. 236; p. 431.
- Cultivator. H. B. Maglathlin. No. 1,233,090; July 10; v. 240; p. 545.
- Cultivator. W. T. Millar. No. 1,218,681; Mar. 13; v. 236; p. 311.
- Cultivator. N. E. Nichols. No. 1,239,945; Sept. 11; v. 242; p. 420.
- Cultivator. E. E. Padgett and W. O. Clark. No. 1,245,613; Nov. 6; v. 244; p. 143.
- Cultivator. W. A. Paul. No. 1,251,096; Dec. 25; v. 245; p. 899.
- Cultivator. W. A. Paul and J. P. Seaholm. No. 1,243,970; Oct. 23; v. 243; p. 892.
- Cultivator. C. H. Pidgeon. No. 1,225,853; May 15; v. 238; p. 693.
- Cultivator. W. M. Reynolds. No. 1,238,821; Sept. 4; v. 242; p. 32.
- Cultivator. C. J. Sprague. No. 1,248,194; Nov. 27; v. 244; p. 994.
- Cultivator. C. Stone. No. 1,245,971; Nov. 6; v. 244; p. 248.
- Cultivator. M. Tomasko and C. M. Gassner. No. 1,214,095; Jan. 30; v. 234; p. 1413.
- Cultivator. L. E. Waterman. No. 1,249,569; Dec. 11; v. 245; p. 360.
- Cultivator. C. E. White. No. 1,247,764; Nov. 27; v. 244; p. 873.
- Cultivator. W. S. White. No. 1,213,050; Jan. 16; v. 234; p. 989.
- Cultivator, Adjustable. W. W. Cain. No. 1,233,550; July 17; v. 240; p. 733.
- Cultivator and the like, Wheeled. W. Elliott. No. 1,246,896; Nov. 20; v. 244; p. 591.
- Cultivator-arch. J. R. Kelley. No. 1,241,634; Oct. 2; v. 243; p. 54.
- Cultivator attachment. J. R. Kelley. No. 1,229,970; June 12; v. 239; p. 584.
- Cultivator attachment. D. A. McConnell. No. 1,214,337; Jan. 30; v. 234; p. 1498.
- Cultivator attachment. R. E. Wakeman. No. 1,230,243; June 19; v. 239; p. 712.
- Cultivator attachment, Corn-. W. Vanderburg and J. Van Gelder. No. 1,233,731; July 17; v. 240; p. 791.
- Cultivator attachment, Disk-. C. H. Gardiner. No. 1,238,998; Sept. 4; v. 242; p. 90.
- Cultivator-beam. R. C. Cowley. No. 1,231,241; June 26; v. 239; p. 1084.
- Cultivator, Detachable harrow-. T. B. Oliver. No. 1,236,344; Aug. 7; v. 241; p. 259.
- Cultivator disk attachment. H. W. Barck. No. 1,233,015; July 10; v. 240; p. 521.
- Cultivator-disks, Journal-bearing for. W. A. Paul. No. 1,236,600; Aug. 14; v. 241; p. 376.
- Cultivator, Garden-hoe. A. B. Muckleroy. No. 1,234,485; July 24; v. 240; p. 1071.
- Cultivator, Ground-. J. Tanczer. No. 1,227,089; May 22; v. 238; p. 1150.
- Cultivator, Hand-. W. E. Reid. No. 1,248,914; Dec. 4; v. 245; p. 143.
- Cultivator-hobble. J. H. Hackfeld. No. 1,241,110; Sept. 25; v. 242; p. 851.
- Cultivator, Lister-. L. E. Waterman. No. 1,229,355; June 12; v. 239; p. 380.
- Cultivator, Motor-. F. Matoushek. No. 1,210,511; Jan. 2; v. 234; p. 46.
- Cultivator, Motor-. F. A. Runge. No. 1,218,121; Mar. 6; v. 236; p. 82.
- Cultivator, Motor-driven tractor-. E. R. Wheeler. No. 1,220,383; Mar. 27; v. 236; p. 976.
- Cultivator, Power-driven. J. T. Hickman, Jr. No. 1,231,352; June 26; v. 239; p. 1121.
- Cultivator-pushing device. E. S. Caw. No. 1,234,871; July 31; v. 240; p. 1224.

- Cultivator, Riding-. L. Willis. No. 1,248,231; Nov. 27; v. 244; p. 1004.
- Cultivator-shank, Adjustable. M. Wilson. No. 1,236,640; Aug. 14; v. 241; p. 389.
- Cultivator-shovel. V. D. Lawrence. No. 1,225,659; May 8; v. 238; p. 685.
- Cultivator-shovel. L. P. F. Nielsen. No. 1,217,983; Mar. 6; v. 236; p. 83.
- Cultivator-shovel. L. E. Waterman. No. 1,212,295; Jan. 16; v. 234; p. 726.
- Cultivator shovel or tooth. C. Burmeister. No. 1,220,181; Mar. 27; v. 236; p. 903.
- Cultivator, Soil-. M. Strom and E. Hoglund. No. 1,238,953; Sept. 4; v. 242; p. 75.
- Cultivator-standard. W. A. F. Urban. No. 1,214,974; Feb. 6; v. 235; p. 173.
- Cultivator-standards, Holding device for. W. L. Paul. No. 1,243,971; Oct. 23; v. 243; p. 892.
- Cultivator, Three-wheeled. C. Simoneaux. No. 1,229,157; June 5; v. 239; p. 262.
- Cultivator, Walking-. J. A. Pratton. No. 1,215,188; Feb. 6; v. 235; p. 246.
- Cultivator, Wheel or sulky. M. Noaker. No. 1,215,691; Feb. 13; v. 235; p. 461.
- Cultivators, Foot-piece for. J. H. Myers. No. 1,219,342; Mar. 13; v. 236; p. 542.
- Cultivators, Potato-vine lifter for. F. J. Krenz. No. 1,224,554; May 1; v. 238; p. 158.
- Cultivators, Replanting attachment for. R. A. Johnson. No. 1,234,478; July 24; v. 240; p. 1069.
- Cultivators, Shovel-fastening for. J. M. Kirkpatrick and G. C. Tirey. No. 1,250,472; Dec. 18; v. 245; p. 665.
- Cultivators, Spring-tooth for. H. F. Peterson. No. 1,218,581; Mar. 6; v. 236; p. 239.
- Cultivators, Tool-adjuster for. H. L. Hawks. No. 1,235,468; July 31; v. 240; p. 1404.
- Culvert. W. J. Cox. No. 1,230,383; June 19; v. 239; p. 757.
- Culvert, Butt-joint nestable. J. H. Dean. No. 1,238,274; Aug. 28; v. 241; p. 986.
- Culvert, Concrete road-. F. H. Souder. No. 1,213,916; Jan. 30; v. 234; p. 1353.
- Culvert-head or retaining-wall for culverts. J. R. Good. No. 1,228,662; June 5; v. 239; p. 97.
- Culvert-joint. H. R. Olcott. No. 1,227,187; May 22; v. 238; p. 1183.
- Culvert, Knockdown. C. F. Kahler. No. 1,232,043; July 3; v. 240; p. 172.
- Culvert-mold. G. H. Cavil. No. 1,225,768; May 15; v. 238; p. 664.
- Culvert-mold. W. W. Johnston. No. 1,241,393; Sept. 25; v. 242; p. 940.
- Culvert-mold. W. W. Johnston. No. 1,244,214; Oct. 23; v. 243; p. 965.
- Culvert-mold. H. B. Loxterman. No. 1,245,477; Nov. 6; v. 244; p. 100.
- Culvert-pipe. H. O. Bernard. No. 1,234,609; July 24; v. 240; p. 1110.
- Culvert-pipe and the like, Sectional. G. Schumacher. No. 1,225,867; May 15; v. 238; p. 698.
- Culverts, Fastening means for butt-joint metal. J. H. Dean. No. 1,220,203; Mar. 27; v. 236; p. 910.
- Cup. See—
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| Chalk-cup. | Oil-cup. |
| Cream-cup. | Paper cup. |
| Drinking-cup. | Paper drinking-cup. |
| Egg-cup. | Priming-cup. |
| Eye-cup. | Retaining-cup. |
| Grease-cup. | Shaving-cup. |
| Grease and oil cup. | Steam-cup. |
| Lubricant-cup. | Swab-cup. |
| Lubricating-cup. | Teat-cup. |
| Milking-machine teat-cup. | Turpentine-cup. |
- Cup-dispenser. C. Errett. No. 1,229,793; June 12; v. 239; p. 506.
- Cup-dispenser. B. Zahn. No. 1,226,772; May 22; v. 238; p. 1041.
- Cup-dispensing apparatus. H. B. Cooley. No. 1,225,728; May 8; v. 238; p. 607.
- Cup-feed machines, Feeding mechanism for. J. R. Moffatt. No. 1,246,302; Nov. 13; v. 244; p. 376.
- Cup-holder. F. S. Easton. No. 1,224,617; May 1; v. 238; p. 179.
- Cup-remover. A. Fritsche. No. 1,223,162; Apr. 17; v. 237; p. 828.
- Cup separator, Nested-. A. E. Dempsey. No. 1,238,895; Sept. 4; v. 242; p. 56.
- Cupboard and table, Combination. E. P. Hopwood. No. 1,225,958; May 15; v. 238; p. 728.
- Cupboard, Steel. H. G. Cliff. No. 1,225,928; May 15; v. 238; p. 718.
- Cupboard, Swinging sanitary window-. F. J. Dowling. No. 1,212,028; Jan. 9; v. 234; p. 602.
- Cuprous acid electrolytically, Production of. B. Hunt. No. 1,212,062; Jan. 9; v. 234; p. 613.
- Curb-bar. N. E. Becker. No. 1,221,955; Apr. 10; v. 237; p. 365.
- Curb-box closure. J. P. Farley. No. 1,229,429; June 12; v. 239; p. 405.
- Curb-templet. R. H. Warner. No. 1,245,840; Nov. 6; v. 244; p. 212.
- Curb, Tilting. B. M. Rolph. No. 1,223,735; Apr. 24; v. 237; p. 1059.
- Curd-mills, Belt-drive for. H. W. Quade. No. 1,223,107; Apr. 17; v. 237; p. 808.
- Currency-selector. M. H. Mandelbaum and G. F. Maisch. No. 1,233,490; July 17; v. 240; p. 712.
- Currency-selector. M. H. Mandelbaum and G. F. Maisch. No. 1,233,491; July 17; v. 240; p. 713.
- Currency-slitter. E. A. Bircher. No. 1,227,370; May 22; v. 238; p. 1241.
- Current apparatus, Direct-. C. W. Girvin. No. 1,224,160; May 1; v. 238; p. 15.
- Current-collecting device. J. S. Dean. No. 1,244,476; Oct. 30; v. 243; p. 1081.
- Current-collecting device. L. C. Nichols. No. 1,243,204; Oct. 16; v. 243; p. 626.
- Current-converting device. A. R. Bullock. No. 1,216,413; Feb. 20; v. 235; p. 779.
- Current-converting device. A. R. Bullock. No. 1,223,473; Apr. 24; v. 237; p. 965.
- Current-deflector and system of bank protection. D. F. Sheldon. No. 1,230,608; June 19; v. 239; p. 834.
- Current-distributing apparatus. L. M. Klauber and R. C. Cavell. No. 1,213,211; Jan. 23; v. 234; p. 1079.
- Current distribution, System of constant-. P. H. Thomas. No. 1,235,742; Aug. 7; v. 241; p. 68.
- Current dynamos, Relating to alternating-. M. Breslauer. No. 1,248,255; Nov. 27; v. 244; p. 1012.
- Current for Edison three-wire distribution system, Means for rectifying alternating. H. K. Sandell. No. 1,223,000; Apr. 17; v. 237; p. 771.
- Current-generator and spark-distributor. D. E. Ross. No. 1,220,277; Mar. 27; v. 236; p. 937.
- Current generator, High-frequency-. P. O. Pedersen. No. 1,231,528; June 26; v. 239; p. 1178.
- Current generator, High-frequency-. P. O. Pedersen and V. Poulsen. No. 1,214,214; Jan. 30; v. 234; p. 1453.
- Current generator, Oscillating-. L. De Forest. No. 1,221,034; Apr. 3; v. 237; p. 11.
- Current generators, Electrical condenser for ignition-. F. Kratz. No. 1,221,998; Apr. 10; v. 237; p. 380.
- Current interchanger, Counter-. C. H. Smoot. No. 1,238,053; Aug. 21; v. 241; p. 879.
- Current-limiter. C. H. Spangler. No. 1,215,422; Feb. 13; v. 235; p. 361.
- Current-limiter. C. H. Spangler. No. 1,215,423; Feb. 13; v. 235; p. 361.
- Current limiter, Hot-wire alternating-. P. Wessel. No. 1,214,101; Jan. 30; v. 234; p. 1415.
- Current machines and the like, Commutation device for direct-. B. Ljungström and A. D. Widström. No. 1,228,936; June 5; v. 239; p. 189.
- Current magnet and the like, Alternating-. E. A. Sedgwick. No. 1,248,176; Nov. 27; v. 244; p. 989.
- Current, Method of and means for transforming direct. J. C. Lincoln. No. 1,227,809; May 29; v. 238; p. 1419.
- Current-motor. C. C. Cooke. No. 1,216,080; Feb. 13; v. 235; p. 600.
- Current-motor. J. M. Stafford. No. 1,225,072; May 8; v. 238; p. 386.
- Current motor, Alternating-. A. C. and T. R. Bell. No. 1,239,761; Sept. 11; v. 242; p. 360.
- Current motor, Alternating-. S. R. Bergman. No. 1,240,018; Sept. 11; v. 242; p. 442.
- Current motor, Alternating-. D. M. Bliss. No. 1,214,883; Feb. 6; v. 235; p. 139.
- Current motor, Alternating-. V. A. Fynn. No. 1,213,617; Jan. 23; v. 234; p. 1221.
- Current motor, Alternating-. V. A. Fynn. No. 1,213,618; Jan. 23; v. 234; p. 1222.
- Current motor, Alternating-. V. A. Fynn. No. 1,248,474; Dec. 4; v. 245; p. 13.
- Current motor, Alternating-. W. C. Korthals-Altes. No. 1,219,952; Mar. 20; v. 236; p. 785.
- Current motor, Alternating-. A. H. Neuland. No. 1,233,900; July 17; v. 240; p. 845.
- Current motor, Alternating-. A. H. Neuland. No. 1,245,762; Nov. 6; v. 244; p. 186.
- Current motor, Alternating-. C. P. Steinmetz. No. 1,239,979; Sept. 11; v. 242; p. 430.
- Current motor, Alternating-. H. Weichsel. No. 1,214,980; Feb. 6; v. 235; p. 176.
- Current-motor, Hydraulic. R. P. Clarkson. No. 1,237,868; Aug. 21; v. 241; p. 820.
- Current potentials, Method of and means for obtaining constant direct-. A. W. Hull. No. 1,251,377; Dec. 25; v. 245; p. 982.
- Current rectifier, Alternating-. E. C. Ballman. No. 1,239,249; Sept. 4; v. 242; p. 170.
- Current rectifier, Alternating-. D. M. Bliss. No. 1,234,440; July 24; v. 240; p. 1057.
- Current rectifier, Alternating-. T. A. Edison. No. 1,221,981; Apr. 10; v. 237; p. 374.
- Current rectifier and similar apparatus, Vapor alternating-. B. Schaefer. No. 1,223,428; Apr. 24; v. 237; p. 950.
- Current-regulator. C. L. Fortescue. No. 1,250,834; Dec. 18; v. 245; p. 773.
- Current-regulator, Stop-charge. W. L. Bliss. No. 1,246,854; Nov. 20; v. 244; p. 578.
- Current-regulator, Taper-charge. W. L. Bliss. No. 1,246,853; Nov. 20; v. 244; p. 577.
- Current to large inductances, Control of. J. C. Smith. No. 1,216,867; Feb. 20; v. 235; p. 926.
- Current transforming and rectifying apparatus. J. B. Wantz. No. 1,229,689; June 12; v. 239; p. 493.

Alphabetical list of inventions—Continued.

- Current-transforming device. A. R. Bullock. No. 1,223,470; Apr. 24; v. 237; p. 964.
- Currents from alternating currents, Apparatus for obtaining direct. L. B. Graham. No. 1,221,311; Apr. 3; v. 237; p. 109.
- Currents, Means for controlling alternating. M. Osnos. No. 1,227,302; May 22; v. 238; p. 1221.
- Currents, Means for indicating electrical characteristics of alternating. I. Langmuir. No. 1,219,961; Mar. 20; v. 236; p. 788.
- Currents, Means for interconverting alternating and direct. J. L. Woodbridge. No. 1,244,569; Oct. 30; v. 243; p. 1111.
- Currents, Means for producing high-frequency oscillatory. J. C. Armor. No. 1,216,647; Feb. 20; v. 235; p. 852.
- Currents of high frequency, Method and apparatus for producing oscillating. A. H. Cohen. No. 1,243,043; Oct. 16; v. 243; p. 576.
- Currents, Producing high-frequency oscillatory. J. C. Armor. No. 1,216,646; Feb. 20; v. 235; p. 851.
- Currents, Rectifier for polyphase alternating. E. Oelschläger. No. 1,218,952; Mar. 13; v. 236; p. 409.
- Currents, Rectifying system for high-tension alternating. J. H. Lendi. No. 1,234,099; July 17; v. 240; p. 907.
- Currents, Relay for undulatory. E. M. C. Tigerstedt. No. 1,212,163; Jan. 9; v. 234; p. 648.
- Currents, Switch for heavy alternating. W. Burstyn. No. 1,212,125; Jan. 9; v. 234; p. 634.
- Currents, System for generating high-frequency. R. Arnö. No. 1,240,294; Sept. 18; v. 242; p. 565.
- Currents, Transformer for high-frequency. G. Marconi and W. S. Entwistle. No. 1,246,973; Nov. 20; v. 244; p. 612.
- Currycomb. J. S. Campbell. No. 1,237,468; Aug. 21; v. 241; p. 693.
- Currycomb. W. H. Carls. No. 1,213,742; Jan. 23; v. 234; p. 1262.
- Currycomb. T. J. Cribbs. No. 1,241,928; Oct. 2; v. 243; p. 147.
- Currycomb. F. L. De Lucchi. No. 1,240,124; Sept. 11; v. 242; p. 472.
- Currycomb. W. W. Harris. No. 1,235,138; July 31; v. 240; p. 1307.
- Currycomb. H. Hartberg. No. 1,211,311; Jan. 2; v. 234; p. 321.
- Currycomb. C. A. McDowell. No. 1,243,846; Oct. 23; v. 243; p. 855.
- Currycomb, Adjustable. W. W. Saunders. No. 1,222,473; Apr. 10; v. 237; p. 548.
- Currycomb and mane-comb. G. A. Taffin. No. 1,249,552; Dec. 11; v. 245; p. 355.
- Currycomb, Self-cleaning. P. F. Duerr. No. 1,226,757; May 22; v. 238; p. 1035.
- Currycomb, Self-cleaning. O. O. Jones. No. 1,225,133; May 8; v. 238; p. 406.
- Currycomb, Self-cleaning. H. J. Kleppe. No. 1,251,049; Dec. 25; v. 245; p. 886.
- Curtain, Adjustable side. A. E. Cook. No. 1,237,173; Aug. 14; v. 241; p. 560.
- Curtain-anchoring device. Z. E. Russell. No. 1,225,060; May 8; v. 238; p. 382.
- Curtain and fabric stretcher. H. Woodley. No. 1,223,015; Apr. 17; v. 237; p. 776.
- Curtain and shade bracket. C. R. Walker. No. 1,242,088; Oct. 2; v. 243; p. 196.
- Curtain and shade bracket, Combined. A. C. Robinson. No. 1,228,137; May 29; v. 238; p. 1529.
- Curtain and shade fixture. H. A. Swanagan. No. 1,247,897; Nov. 27; v. 244; p. 912.
- Curtain and shade hanger. H. and H. C. Abrams. No. 1,221,264; Apr. 3; v. 237; p. 93.
- Curtain and shade holder. S. Peterson. No. 1,227,194; May 22; v. 238; p. 1185.
- Curtain and shade support. W. J. Odell. No. 1,234,486; July 24; v. 240; p. 1071.
- Curtain and window-shade fixture, Combined. L. Sly. No. 1,230,813; June 19; v. 239; p. 900.
- Curtain, blanket, and quilt frame. C. E. Johnson. No. 1,219,556; Mar. 20; v. 236; p. 648.
- Curtain-bracket. S. A. Macey. No. 1,222,434; Apr. 10; v. 237; p. 534.
- Curtain-bracket. J. Mistrik. No. 1,225,469; May 8; v. 238; p. 522.
- Curtain-bracket, Adjustable. R. Browne. No. 1,234,442; July 24; v. 240; p. 1058.
- Curtain-clamp. Clench. N. E. Larson. No. 1,244,748; Oct. 30; v. 243; p. 1165.
- Curtain-fastener. W. Gates and F. W. Bottume. No. 1,233,216; July 10; v. 240; p. 587.
- Curtain-fastener. J. D. Roth. No. 1,248,723; Dec. 4; v. 245; p. 88.
- Curtain fastener, Vehicle. F. A. Neider. No. 1,234,791; July 31; v. 240; p. 1199.
- Curtain-fixture. A. Deming. No. 1,231,336; June 26; v. 239; p. 1116.
- Curtain-fixture. S. C. Hills. No. 1,210,473; Jan. 2; v. 234; p. 32.
- Curtain-fixture. S. C. Hills. No. 1,242,441; Oct. 9; v. 243; p. 349.
- Curtain-fixture. M. H. Parlehan. No. 1,221,210; Apr. 3; v. 237; p. 75.
- Curtain fixture, Sliding. A. Dickey and R. A. Hope. No. 1,210,435; Jan. 2; v. 234; p. 20.
- Curtain for railway-cars, Vestibule. P. G. Emery. No. 1,221,982; Apr. 10; v. 237; p. 374.
- Curtain frame, Panel. C. W. Kirsch and H. J. Lahmeyer. No. 1,240,581; Sept. 18; v. 242; p. 653.
- Curtain-hanger. C. Besaw. No. 1,229,018; June 5; v. 239; p. 216.
- Curtain-hanger. J. H. Boye. No. 1,229,874; June 12; v. 239; p. 554.
- Curtain-hanger. J. H. Boye. No. 1,246,046; Nov. 13; v. 244; p. 300.
- Curtain-hanger. J. J. Cavanaugh. No. 1,228,531; June 5; v. 239; p. 54.
- Curtain-hanger. W. Howe. No. 1,219,312; Mar. 13; v. 236; p. 532.
- Curtain-hanger, Tubular adjustable. A. W. Lyda. No. 1,240,863; Sept. 25; v. 242; p. 774.
- Curtain-holder. M. J. Schultz. No. 1,237,224; Aug. 14; v. 241; p. 576.
- Curtain-manipulating means. J. T. Boyd. No. 1,249,013; Dec. 4; v. 245; p. 170.
- Curtain-pole. F. J. Bischof. No. 1,233,835; July 17; v. 240; p. 824.
- Curtain-pole. A. F. Gray. No. 1,239,905; Sept. 11; v. 242; p. 408.
- Curtain-pole and shade-roller support. J. F. Bruederly. No. 1,216,276; Feb. 20; v. 235; p. 721.
- Curtain-pole bracket. J. M. McDevitt. No. 1,231,923; July 3; v. 240; p. 130.
- Curtain-pole lifter. N. Seashore. No. 1,213,278; Jan. 23; v. 234; p. 1102.
- Curtain-pole support and shade-bracket. M. J. Gore. No. 1,239,387; Sept. 4; v. 242; p. 213.
- Curtain, Protective. C. M. Sears. No. 1,247,579; Nov. 20; v. 244; p. 785.
- Curtain-rod. J. H. Boye. No. 1,214,995; Feb. 6; v. 235; p. 182.
- Curtain-rod. W. H. Edsall and H. E. Chase. No. 1,220,158; Mar. 20; v. 236; p. 861.
- Curtain-rod. H. J. Fitzer. No. 1,233,657; July 17; v. 240; p. 768.
- Curtain-rod. J. Goldberg. No. 1,216,983; Feb. 20; v. 235; p. 965.
- Curtain-rod. S. C. Hills. No. 1,210,472; Jan. 2; v. 234; p. 32.
- Curtain-rod. S. C. Hills. No. 1,214,678; Feb. 6; v. 235; p. 69.
- Curtain-rod. C. W. Kirsch. No. 1,210,947; Jan. 2; v. 234; p. 197.
- Curtain-rod. C. W. Kirsch. No. 1,240,582; Sept. 18; v. 242; p. 653.
- Curtain-rod. C. W. Kirsch. No. 1,245,354; Nov. 6; v. 244; p. 63.
- Curtain-rod. C. W. Kirsch. No. 1,250,190; Dec. 18; v. 245; p. 580.
- Curtain-rod and bracket. W. H. Edsall. No. 1,210,619; Jan. 2; v. 234; p. 84.
- Curtain-rod attachment. B. M. Gibson. No. 1,242,172; Oct. 9; v. 243; p. 265.
- Curtain-rod, Extensible. U. Sprinchorn. No. 1,220,900; Mar. 27; v. 236; p. 1152.
- Curtain-rod fixture. J. R. Coe. No. 1,243,139; Oct. 16; v. 243; p. 605.
- Curtain-roller, Extension. O. E. Enell. No. 1,221,161; Apr. 3; v. 237; p. 56.
- Curtain-shade bracket, Adjustable. W. D. and W. C. Ralston. No. 1,230,778; June 19; v. 239; p. 889.
- Curtain-shield, Revolving. H. H. Schroyer. No. 1,231,656; July 3; v. 240; p. 39.
- Curtain, Storm-. L. Kruse. No. 1,223,702; Apr. 24; v. 237; p. 1048.
- Curtain-stretcher. A. Anderson. No. 1,233,636; July 17; v. 240; p. 762.
- Curtain-stretcher. G. H. Baker. No. 1,235,414; July 31; v. 240; p. 1389.
- Curtain-stretcher. E. J. Burgquist. No. 1,227,744; May 29; v. 238; p. 1397.
- Curtain-stretcher. P. J. Connolly. No. 1,219,085; Mar. 13; v. 236; p. 454.
- Curtain-stretcher. A. W. Knittel. No. 1,229,621; June 12; v. 239; p. 470.
- Curtain-stretcher. L. P. Mason. No. 1,229,112; June 5; v. 239; p. 248.
- Curtain-stretcher. M. Phillips. No. 1,216,725; Feb. 20; v. 235; p. 878.
- Curtain-stretcher. C. B. Riggs. No. 1,233,910; July 17; v. 240; p. 848.
- Curtain-stretcher. S. Rokosz. No. 1,232,979; July 10; v. 240; p. 510.
- Curtain-stretcher. E. E. Simpson. No. 1,245,280; Nov. 6; v. 244; p. 41.
- Curtain-support. B. M. Behl. No. 1,216,271; Feb. 20; v. 235; p. 719.
- Curtain-support. M. A. Dandrow. No. 1,232,233; July 3; v. 240; p. 233.
- Curtain-support. W. E. Kurtz. No. 1,249,972; Dec. 11; v. 245; p. 478.
- Curtain-support. J. T. Parris. No. 1,242,849; Oct. 9; v. 243; p. 480.
- Curtain-support. A. E. Robert. No. 1,230,223; June 19; v. 239; p. 706.
- Curtain-support. A. E. Robert. No. 1,230,224; June 19; v. 239; p. 706.
- Curtains or flexible sliding doors, Track for roll-. H. J. Ritter. No. 1,251,106; Dec. 25; v. 245; p. 902.

- Curve-scriber. J. A. Buttress. No. 1,216,066; Feb. 13; v. 235; p. 595.
- Curved surfaces, Machine for producing. E. Stead. No. 1,247,735; Nov. 27; v. 244; p. 864.
- Cushion. *See*
- Air and stuffed cushion. Pincushion.
- Billiard-table cushion. Pneumatic cushion.
- Die-cushion. Sash-cushion.
- Operating-cushion. Spring-cushion.
- Cushion or mattress. F. C. Genge. No. 1,246,081; Nov. 13; v. 244; p. 810.
- Cushion-seat. J. L. Winans. No. 1,243,787; Oct. 23; v. 243; p. 837.
- Cushion-spring for three-wheeled tractors. G. B. Kelley. No. 1,239,603; Sept. 11; v. 242; p. 310.
- Cushion structure. F. P. D'Arcy. No. 1,221,976; Apr. 10; v. 237; p. 372.
- Cushion-tired wheel. E. F. Dreman. No. 1,236,412; Aug. 14; v. 241; p. 315.
- Cushion to a rigid base, Means for attaching a resilient. B. Butler. No. 1,229,581; June 12; v. 239; p. 457.
- Cushion-wheel. A. Chelew. No. 1,234,289; July 24; v. 240; p. 1006.
- Cushion-wheel. W. A. Ingalls. No. 1,224,747; May 1; v. 238; p. 225.
- Cushions, Renovating car-. W. F. Service. No. 1,219,595; Mar. 20; v. 236; p. 660.
- Cushioning means. W. F. A. Scott. No. 1,215,205; Feb. 6; v. 235; p. 252.
- Cusp-diaphragm mechanism. F. E. Miller. No. 1,220,669; Mar. 27; v. 236; p. 1074.
- Cuspidor. H. H. Bang. No. 1,210,397; Jan. 2; v. 234; p. 5.
- Cuspidor. J. S. Barnwell. No. 1,212,000; Jan. 9; v. 234; p. 594.
- Cuspidor. M. B. Brand and F. Toth. No. 1,222,725; Apr. 17; v. 237; p. 678.
- Cuspidor. O. P. Clemens and W. C. Bott. No. 1,240,945; Sept. 25; v. 242; p. 800.
- Cuspidor. H. Crisier. No. 1,210,428; Jan. 2; v. 234; p. 18.
- Cuspidor. H. L. Johnson. No. 1,240,577; Sept. 18; v. 242; p. 652.
- Cuspidor. C. Mullestein. No. 1,232,957; July 10; v. 240; p. 503.
- Cuspidor. C. E. Nystrum. No. 1,239,716; Sept. 11; v. 242; p. 348.
- Cuspidor. H. E. Weber. No. 1,233,826; July 17; v. 240; p. 821.
- Cuspidor and lifter. M. Rudek. No. 1,228,141; May 29; v. 238; p. 1531.
- Cuspidor-carrier. R. O. Blank. No. 1,239,868; Sept. 11; v. 242; p. 396.
- Cuspidor-carrier. A. C. Schlepp. No. 1,212,822; Jan. 16; v. 234; p. 911.
- Cuspidor-cleaner. A. Czaja and J. Hareza. No. 1,233,650; July 17; v. 240; p. 766.
- Cuspidor-cleaning apparatus. P. Tataryn. No. 1,234,963; July 31; v. 240; p. 1254.
- Cuspidor, Fabric. R. T. Richardson and W. H. Thomas. No. 1,236,361; Aug. 7; v. 241; p. 265.
- Cuspidor, Flushing-. S. Mozur. No. 1,230,314; June 19; v. 239; p. 735.
- Cuspidor-handling device. J. Gianninoto. No. 1,249,946; Dec. 11; v. 245; p. 471.
- Cuspidor holder and lifter. W. G. Devlin. No. 1,220,732; Mar. 27; v. 236; p. 1095.
- Cuspidor implement. H. Menzel. No. 1,227,645; May 29; v. 238; p. 1363.
- Cuspidor, Sanitary. B. T. Kortan. No. 1,231,385; June 26; v. 239; p. 1132.
- Cuspidor, Sanitary. N. Lovece. No. 1,215,673; Feb. 13; v. 235; p. 455.
- Cuspidor, Sanitary. J. E. Michael. No. 1,232,951; July 10; v. 240; p. 502.
- Cuspidor, Sanitary. C. F. Woolner. No. 1,246,211; Nov. 13; v. 244; p. 349.
- Cuspidors, Automatic water control for. W. T. Uhl. No. 1,245,406; Nov. 6; v. 244; p. 79.
- Cut-off, Automatic. M. Murphy. No. 1,248,889; Dec. 4; v. 245; p. 136.
- Cut-off lock. W. O. Reid. No. 1,211,756; Jan. 9; v. 234; p. 505.
- Cut-off machine, Automatic. L. H. Brightman. No. 1,226,303; May 15; v. 238; p. 851.
- Cut-off, Variable automatic. H. W. A. Fuhrmann. No. 1,246,412; Nov. 13; v. 244; p. 410.
- Cut-out. F. Conrad. No. 1,229,719; June 12; v. 239; p. 502.
- Cut-out. H. T. Paiste. No. 1,226,584; May 15; v. 238; p. 938.
- Cut-out, Automatic. J. M. Sherman. No. 1,221,232; Apr. 3; v. 237; p. 82.
- Cut-out, Maximum. G. J. Van Swaay and H. I. Keus. No. 1,230,955; June 26; v. 239; p. 988.
- Cut-out-operating mechanism. E. P. Larsh. No. 1,248,505; Dec. 4; v. 245; p. 22.
- Cut-out switch. T. E. Murray and A. V. A. McHarg. No. 1,237,370; Aug. 21; v. 241; p. 663.
- Cut-out switch, Automatic. E. and B. Waigand. No. 1,247,041; Nov. 20; v. 244; p. 631.
- Cut-out switch, Convertible. J. Sachs. No. 1,214,079; Jan. 30; v. 234; p. 1409.
- Cut-out switch for series loops. W. A. Kirkland. No. 1,223,987; Apr. 24; v. 237; p. 1145.
- Cutter. *See*
- Adjustable cutter. Jointing and matching cutter.
- Asphalt-cutter. ter.
- Ball-cutter. Meat-cutter.
- Beet-cutter. Milling-cutter.
- Bog-cutter. Mower-cutter.
- Boring-cutter. Needle-cutter.
- Box-cutter. Paper-cutter.
- Bread-cutter. Phonograph-needle cutter.
- Butter-cutter. Pipe-cutter.
- Butter and lard cutter. Potato-cutter.
- Cake and biscuit cutter. Railway-track weed-cutter.
- Cheese-cutter. Receipt-cutter.
- Cigar-cutter. Root-cutter.
- Cigar-tip cutter. Rotary cutter.
- Corn-cutter. Routing-cutter.
- Dredge-cutter. Sandpaper-cutter.
- Ensilage-cutter. Sewing-machine thread-cutter.
- Feed-cutter. ter.
- Flue-cutter. Slotting-cutter.
- Gang-cutter. Snow-cutter.
- Gasket-cutter. Stalk-cutter.
- Gear-cutter. Thread-cutter.
- Glass-cutter. Tobacco-cutter.
- Grain-cutter. Tube-cutter.
- Grass and weed cutter. Vegetable-cutter.
- Heel-cutter. Vegetable or fruit cutter.
- Hobbing-cutter. Vine-cutter.
- Hurl-cutter. Washer-cutter.
- Ice-cutter. Weed-cutter.
- Ice-cream cutter.
- Cutter. A. A. Arnold. No. 1,230,551; June 19; v. 239; p. 814.
- Cutter. D. H. Grazier. No. 1,228,318; May 29; v. 238; p. 1588.
- Cutter. F. T. Highams. No. 1,239,486; Sept. 11; v. 242; p. 273.
- Cutter. J. T. Quigley. No. 1,251,101; Dec. 25; v. 245; p. 900.
- Cutter. F. Richard. No. 1,243,446; Oct. 16; v. 243; p. 696.
- Cutter. K. Stieglmayer. No. 1,240,619; Sept. 18; v. 242; p. 664.
- Cutter. E. P. Wilson. No. 1,234,846; July 31; v. 240; p. 1214.
- Cutter and cultivator, Combined. H. J. Kinzel. No. 1,244,746; Oct. 30; v. 243; p. 1165.
- Cutter device. O. L. Scalbom. No. 1,248,554; Dec. 4; v. 245; p. 37.
- Cutter-guard. P. Erickson. No. 1,240,430; Sept. 18; v. 242; p. 607.
- Cutter-head. D. J. Dixon. No. 1,225,019; May 8; v. 238; p. 369.
- Cutter-head. E. S. Jesseph. No. 1,222,871; Apr. 17; v. 237; p. 728.
- Cutter-head. E. Jones. No. 1,245,238; Nov. 6; v. 244; p. 29.
- Cutter-head. A. B. Landis. No. 1,220,348; Mar. 27; v. 236; p. 964.
- Cutter-head. A. B. Landis. No. 1,221,193; Apr. 3; v. 237; p. 68.
- Cutter-head. A. B. Landis. No. 1,232,570; July 10; v. 240; p. 376.
- Cutter-head. A. Larson. No. 1,211,323; Jan. 2; v. 234; p. 325.
- Cutter-head. M. W. Mattison. No. 1,222,783; Apr. 17; v. 237; p. 697.
- Cutter-head. C. P. Morton. No. 1,226,686; May 22; v. 238; p. 1010.
- Cutter-head. J. Schwartz. No. 1,249,839; Dec. 11; v. 245; p. 439.
- Cutter-machine, Rotary. L. J. Baribault. No. 1,243,797; Oct. 23; v. 243; p. 840.
- Cutter or sleigh attachment, Baby. C. R. Kuster, Jr. No. 1,234,775; July 31; v. 240; p. 1195.
- Cutter-setting indicator. H. R. Isler. No. 1,249,629; Dec. 11; v. 245; p. 377.
- Cutting and cleaning tool. E. MacLachlan. No. 1,239,201; Sept. 4; v. 242; p. 153.
- Cutting and folding machine. H. M. Barber. No. 1,214,877; Feb. 6; v. 235; p. 137.
- Cutting and folding machine. H. M. Barber. No. 1,214,878; Feb. 6; v. 235; p. 137.
- Cutting and folding machine. H. M. Barber. No. 1,231,555; July 3; v. 240; p. 4.
- Cutting and sealing machine. G. B. Relsbach. No. 1,220,556; Mar. 27; v. 236; p. 1036.
- Cutting and welding apparatus. G. Planq. No. 1,220,548; Mar. 27; v. 236; p. 1033.
- Cutting apparatus. B. Melby. No. 1,214,345; Jan. 30; v. 234; p. 1501.
- Cutting-block and making the same. W. R. Forsyth. No. 1,222,616; Apr. 17; v. 237; p. 639.
- Cutting device. J. H. Stanfield. No. 1,211,777; Jan. 9; v. 234; p. 512.
- Cutting-die. G. Mintz. No. 1,239,289; Sept. 4; v. 242; p. 183.
- Cutting figures on fabrics, Attachment for. M. E. Driscoll. No. 1,225,596; May 8; v. 238; p. 564.
- Cutting irregular threads, Machine for. C. C. Blake. No. 1,241,910; Oct. 2; v. 243; p. 142.

Alphabetical list of inventions—Continued.

- Cutting-machine. J. C. Backert. No. 1,220,390; Mar. 27; v. 236; p. 973.
- Cutting-machine. H. H. Eaton. No. 1,249,930; Dec. 11; v. 245; p. 467.
- Cutting-machine. C. W. Hottmann. No. 1,237,907; Aug. 21; v. 241; p. 833.
- Cutting-machine. F. Krause. No. 1,220,518; Mar. 27; v. 236; p. 1022.
- Cutting-machine. J. Park. No. 1,214,360; Jan. 30; v. 234; p. 1506.
- Cutting-machine. J. Park. No. 1,243,969; Oct. 23; v. 243; p. 892.
- Cutting-machine work-support. C. T. Henderson. No. 1,233,355; July 17; v. 240; p. 666.
- Cutting-machines, Safety-guard for. G. E. Bennett. No. 1,226,846; May 22; v. 238; p. 1066.
- Cutting-mill. F. J. Oslus. No. 1,215,055; Feb. 6; v. 235; p. 202.
- Cutting-off tool. F. Hartman. No. 1,249,080; Dec. 4; v. 245; p. 189.
- Cutting or marking machine. A. E. Maynard. No. 1,248,145; Nov. 27; v. 244; p. 980.
- Cutting plastic or pulverulent masses of all kinds, Machine for cutting. A. Lutze. No. 1,224,394; May 1; v. 238; p. 100.
- Cutting-tool. H. W. Allingham. No. 1,223,654; Apr. 24; v. 237; p. 1030.
- Cutting-tool. W. C. Andrews. No. 1,239,659; Sept. 11; v. 242; p. 327.
- Cutting-tool. H. R. Geer. No. 1,210,457; Jan. 2; v. 234; p. 27.
- Cutting-tool. F. Persson. No. 1,215,406; Feb. 13; v. 235; p. 355.
- Cutting-tool. H. K. Porter. No. 1,247,716; Nov. 27; v. 244; p. 859.
- Cutting-tool. P. Ruit and S. J. Maher. No. 1,243,449; Oct. 16; v. 243; p. 697.
- Cutting-tool. W. Sparks. No. 1,219,677; Mar. 20; v. 236; p. 689.
- Cutting-tool. H. S. Williams. No. 1,250,538; Dec. 18; v. 245; p. 685.
- Cutting-tools, Method and apparatus for forming. W. P. Canning. No. 1,224,273; May 1; v. 238; p. 57.
- Cutting-wheel, Rotary. J. F. Bullock. No. 1,244,171; Oct. 23; v. 243; p. 951.
- Cutting-wheels, Knife-support for. F. J. Bullock. No. 1,249,020; Dec. 4; v. 245; p. 172.
- Cyanamid, Apparatus for the manufacture of crude calcium. N. C. Tommasi. No. 1,230,343; June 19; v. 239; p. 745.
- Cyanid in the form of granules. F. Abegg. No. 1,232,471; July 10; v. 240; p. 345.
- Cyanids of ammonia, Manufacture of. L. P. Devaucelle and F. Bensa. No. 1,237,485; Aug. 21; v. 241; p. 698.
- Cyanogen and sulfur compounds from fluids, Recovering. F. W. Sperr, Jr. No. 1,213,429; Jan. 23; v. 234; p. 1156.
- Cyanogen compounds, Making. H. Foersterling and H. Philipp. No. 1,214,770; Feb. 6; v. 235; p. 100.
- Cyanogen compounds, Making. H. Philipp and H. Foersterling. No. 1,249,821; Dec. 11; v. 245; p. 434.
- Cyanogen compounds, Manufacturing. H. Foersterling, H. Philipp, and R. N. Sargent. No. 1,235,887; Aug. 7; v. 241; p. 117.
- Cycle, Armored motor-. F. M. Goddard. No. 1,239,476; Sept. 11; v. 242; p. 270.
- Cycle attachment, Auto-. J. Jaggard. No. 1,231,163; June 26; v. 239; p. 1059.
- Cycle attachment, Motor-. C. Myrie. No. 1,241,423; Sept. 25; v. 242; p. 949.
- Cycle attachment, Motor-. H. H. Shumaker. No. 1,251,297; Dec. 25; v. 245; p. 959.
- Cycle engine, Reversible four-. J. Keister. No. 1,237,054; Aug. 14; v. 241; p. 525.
- Cycle-frame. L. W. Blanchard. No. 1,220,938; Mar. 27; v. 236; p. 1163.
- Cycle-frame construction, Motor-. I. Schwinn. No. 1,223,740; Apr. 24; v. 237; p. 1061.
- Cycle jack, Motor-. C. Moschel. No. 1,220,672; Mar. 27; v. 236; p. 1075.
- Cycle, Means for steering a side car attached to a motor-. W. A. James. No. 1,223,173; Apr. 17; v. 237; p. 831.
- Cycle-meter, Indicating. V. H. Todd. No. 1,234,970; July 31; v. 240; p. 1257.
- Cycle, Motor-. F. S. Ellett. No. 1,215,783; Feb. 13; v. 235; p. 492.
- Cycle, Motor-. W. S. Harmon. No. 1,249,751; Dec. 11; v. 245; p. 413.
- Cycle motor-wheel. G. Van Antwerp. No. 1,247,752; Nov. 27; v. 244; p. 870.
- Cycle or scooter, Skee-. H. B. Stocks. No. 1,237,969; Aug. 21; v. 241; p. 853.
- Cycle saddle mechanism. E. G. Fido. No. 1,211,693; Jan. 9; v. 234; p. 484.
- Cycle saddle, Motor-. F. Mesinger. No. 1,240,537; Sept. 18; v. 242; p. 655.
- Cycle side car. A. A. Scott. No. 1,236,988; Aug. 14; v. 241; p. 503.
- Cycle side car, Motor-. H. H. Young. No. 1,235,177; July 31; v. 240; p. 1318.
- Cycle side cars, Support for motor-. J. W. Underwood. No. 1,224,047; Apr. 24; v. 237; p. 1166.
- Cycle-stand catch, Automatic motor-. C. M. Schuyler. No. 1,233,512; July 17; v. 240; p. 720.
- Cycle stand, Motor-. A. Anderson. No. 1,213,994; Jan. 30; v. 234; p. 1379.
- Cycle stand, Motor-. H. W. Weed. No. 1,219,889; Mar. 20; v. 236; p. 762.
- Cycle-starting device, Motor-. C. J. Gustafson. No. 1,217,300; Feb. 27; v. 235; p. 1118.
- Cycle steering attachment. W. Schriver. No. 1,230,801; June 19; v. 239; p. 896.
- Cycle support, Motor-. H. J. Anderson and H. Van Wie. No. 1,215,606; Feb. 13; v. 235; p. 431.
- Cycle trailer, Motor-. M. E. Koehler. No. 1,234,043; July 17; v. 240; p. 890.
- Cycle transmission mechanism, Motor-. W. G. Johnson. No. 1,218,667; Mar. 13; v. 236; p. 307.
- Cycle-wheels, Spring-mounting for. L. W. Blanchard. No. 1,230,987; June 26; v. 239; p. 999.
- Cycle wind-shield, Motor-. H. T. Jose. No. 1,239,916; Sept. 11; v. 242; p. 411.
- Cycle wind-shield, Motor-. R. J. Pierce. No. 1,232,966; July 10; v. 240; p. 507.
- Cycles and like vehicles, Pedal for. G. C. D'Artoys and G. D. Loizon. No. 1,230,129; June 19; v. 239; p. 674.
- Cycles and the like, Stabilizing mechanism for motor-. J. L. Lake. No. 1,227,635; May 29; v. 238; p. 1359.
- Cycles, Combined friction tension and brake for motor-. O. C. Bjorneby and A. Midgarden. No. 1,237,743; Aug. 21; v. 241; p. 783.
- Cycles, Handle-bar clamp for motor-. C. J. Gustafson and R. W. Ellingham. No. 1,215,145; Feb. 6; v. 235; p. 230.
- Cycles, Motor attachment for. R. G. A. Maclaure. No. 1,212,982; Jan. 16; v. 234; p. 967.
- Cycles, motor-cycles, and the like, Spring-fork for. A. Drew. No. 1,223,572; Apr. 24; v. 237; p. 1001.
- Cycles or bicycles, Saddle for motor-. H. A. Jackson. No. 1,229,468; June 12; v. 239; p. 418.
- Cycles, Rain-shield for side-car motor-. O. A. and J. F. Perchway. No. 1,237,376; Aug. 21; v. 241; p. 655.
- Cycles, Saddle for motor and other. J. Aller. No. 1,232,165; July 3; v. 240; p. 212.
- Cycles, Side car for motor-. W. S. Harley. No. 1,212,350; Jan. 16; v. 234; p. 745.
- Cycles, Sleigh-runner for motor-. W. Lakso. No. 1,217,191; Feb. 27; v. 235; p. 1081.
- Cycles, Snow-traveling attachment for motor-. C. H. Lydamore and G. J. Bola. No. 1,220,247; Mar. 27; v. 236; p. 925.
- Cycles, Spring-fork for motor-. A. Anderson. No. 1,213,995; Jan. 30; v. 234; p. 1379.
- Cycles, Spring-frame for. H. Chelstrom. No. 1,220,606; Mar. 27; v. 236; p. 1053.
- Cycles, Spring suspension for the wheels of side cars for motor-. G. E. Rigby. No. 1,227,317; May 22; v. 238; p. 1225.
- Cycles, Supplementary seat for motor-. L. G. Hobgood. No. 1,212,221; Jan. 16; v. 234; p. 696.
- Cylinder, Bladed. R. F. Whitney. No. 1,221,936; Apr. 10; v. 237; p. 359.
- Cylinder-grinding machine. G. A. Fruss. No. 1,227,775; May 29; v. 238; p. 1408.
- Cylinder-head. E. T. Ross. No. 1,241,024; Sept. 25; v. 242; p. 824.
- Cylinder-lapping machine. A. Vocelle. No. 1,246,191; Nov. 13; v. 244; p. 344.
- Cylinder-lock. E. Epstein. No. 1,230,387; June 19; v. 239; p. 759.
- Cylinder-lock. E. Epstein. No. 1,244,304; Oct. 23; v. 243; p. 993.
- Cylinder-machine. W. H. Cahall. No. 1,238,102; Aug. 28; v. 241; p. 928.
- Cylinder-reboring machine. Q. R. Murphy. No. 1,241,543; Oct. 2; v. 243; p. 23.
- Cylinder-reboring mechanism. E. F. Heiser. No. 1,231,347; June 26; v. 239; p. 1119.
- Cylinder repair, Scored-. H. J. Yount. No. 1,217,546; Feb. 27; v. 235; p. 1207.
- Cylinders, Composition for repairing scored. L. Lorentowicz. No. 1,239,195; Sept. 4; v. 242; p. 152.
- Cylinders, pipes, &c., Manufacture of. W. A. Doble. No. 1,240,957; Sept. 25; v. 242; p. 804.
- D-handle. F. Skelton and W. Pickard. No. 1,240,502; Sept. 18; v. 242; p. 630.
- D-handle, Reinforced. F. Skelton. No. 1,240,503; Sept. 18; v. 242; p. 631.
- Dairy-can. M. H. D. Priddy. No. 1,237,093; Aug. 14; v. 241; p. 538.
- Dam. C. E. Shaffer. No. 1,237,107; Aug. 14; v. 241; p. 542.
- Dam, Bear-trap. A. Lutz and J. Huber. No. 1,234,053; July 17; v. 240; p. 893.
- Dam construction. L. R. Jorgensen. No. 1,216,234; Feb. 13; v. 235; p. 655.
- Dam, Portable. G. W. Hanna. No. 1,212,633; Jan. 16; v. 234; p. 845.
- Dampening, moistening, or humidifying fabrics and the like, Apparatus for. G. and A. Wray. No. 1,235,511; July 31; v. 240; p. 1419.
- Damper. J. Alsasser. No. 1,210,390; Jan. 2; v. 234; p. 3.
- Damper. J. W. Filbey. No. 1,230,882; June 26; v. 239; p. 962.

- Damper. O. J. Francis. No. 1,216,102; Feb. 13; v. 235; p. 608.
- Damper. N. T. McKee. No. 1,225,986; May 15; v. 238; p. 758.
- Damper. C. M. Tyler. No. 1,224,516; May 1; v. 238; p. 143.
- Damper and chimney-throat, Combined dome-. R. Howden. No. 1,238,017; Aug. 21; v. 241; p. 868.
- Damper and cleaner. Stovepipe. S. G. Givens and H. Lewis. No. 1,211,136; Jan. 2; v. 234; p. 259.
- Damper and draft controlling device. C. U. Edwards. No. 1,217,927; Mar. 6; v. 236; p. 15.
- Damper, Automatic. W. Krieger and M. Mott. No. 1,220,432; Mar. 27; v. 236; p. 992.
- Damper, Automatic. A. H. Landwehr. No. 1,211,600; Jan. 9; v. 234; p. 452.
- Damper-lock. J. Alsasser. No. 1,223,133; Apr. 17; v. 237; p. 817.
- Damper-lock and indicator. M. Ham. No. 1,244,198; Oct. 23; v. 243; p. 959.
- Damper-regulator. Automatic. W. T. Hogg. No. 1,216,996; Feb. 20; v. 235; p. 970.
- Damper-regulator, Exhaust-steam-actuating. B. P. Gilman. No. 1,233,047; July 10; v. 240; p. 532.
- Damper, Ventilator-. A. Wuest. No. 1,219,615; Mar. 20; v. 236; p. 667.
- Damping means for rotatable members, Fluctuation-. H. W. Nichols. No. 1,230,205; June 19; v. 239; p. 699.
- Dandy-roll. H. Albro. No. 1,229,007; June 5; v. 239; p. 213.
- Dandy-roll and other like devices such as cylinder-molds, &c. W. K. Trotman. No. 1,244,562; Oct. 30; v. 243; p. 1109.
- Darby. S. K. Plank. No. 1,227,808; May 22; v. 238; p. 1222.
- Dark chamber, Portable. A. Benko. No. 1,233,441; July 17; v. 240; p. 696.
- Darning and weaving device. C. M. Fyfe. No. 1,231,346; June 26; v. 239; p. 1118.
- Dash-pot. F. H. Buckingham. No. 1,212,322; Jan. 16; vol. 234; p. 736.
- Dash-pot. J. D. Burkholder. No. 1,220,180; Mar. 27; v. 236; p. 903.
- Dash-pot mechanism. J. Gouldbourn. No. 1,240,196; Sept. 18; v. 242; p. 534.
- Dasher. C. A. Stewart. No. 1,215,214; Feb. 6; v. 235; p. 255.
- Dasher, Adjustable utility. W. A. Clanton. No. 1,244,956; Oct. 30; v. 243; p. 1228.
- Dauber, Fountain polish-. R. Curcio. No. 1,218,528; Mar. 6; v. 236; p. 220.
- Davenport. F. Martin. No. 1,223,285; Apr. 17; v. 237; p. 866.
- Davenport. J. G. Stoneback. No. 1,233,419; July 17; v. 240; p. 689.
- Davenport-divan. R. R. Miller. No. 1,250,614; Dec. 18; v. 245; p. 707.
- Davenport or couch, Folding. M. Tauber. No. 1,216,011; Feb. 13; v. 235; p. 575.
- Davenport or couch, Folding. M. Tauber. No. 1,216,627; Feb. 20; v. 235; p. 846.
- Davenport or couch, Folding. M. Tauber. No. 1,216,882; Feb. 20; v. 235; p. 931.
- Davenport or couch, Folding. M. Tauber. No. 1,217,366; Feb. 27; v. 235; p. 1140.
- Davit. J. H. Moran. No. 1,247,706; Nov. 27; v. 244; p. 855.
- Davit. H. F. Norton. No. 1,246,778; Nov. 13; v. 244; p. 519.
- Davit and means for holding and releasing ships' boats and the like. G. J. Phillips and L. A. Keller. No. 1,210,530; Jan. 2; v. 234; p. 53.
- Davit, Ship-. E. S. Jones. No. 1,218,087; Mar. 6; v. 236; p. 69.
- Davit, Ship's. T. H. Marten. No. 1,245,752; Nov. 6; v. 244; p. 184.
- Davits, Swinging-gear for. E. W. Myers and A. E. Sharp-ley. No. 1,230,760; June 19; v. 239; p. 883.
- Day-by-day box. J. A. Orrall. No. 1,215,572; Feb. 13; v. 235; p. 417.
- Decanting apparatus. J. H. Alpenfels. No. 1,210,392; Dec. 11; v. 245; p. 315.
- Decarbonizer, Automatic. W. B. Joslyn. No. 1,249,412; Dec. 11; v. 245; p. 230.
- Decarbonizing and priming device. F. Smith. No. 1,249,224; Dec. 4; v. 245; p. 230.
- Decolorizing materials, Making. R. M. Catlin. No. 1,219,438; Mar. 20; v. 236; p. 606.
- Decorating composition. I. H. Terrell and W. Schaum. No. 1,243,362; Oct. 16; v. 243; p. 672.
- Decorating depositor. A. L. Bausman. No. 1,243,668; Oct. 16; v. 243; p. 763.
- Decorating device. H. A. Kramer. No. 1,246,283; Nov. 13; v. 244; p. 371.
- Decorating wood. P. Schramm. No. 1,225,504; May 8; v. 238; p. 532.
- Decoration system. W. D. Ryan. No. 1,211,239; Jan. 2; v. 234; p. 298.
- Decorative product and making same. W. Stuhlmiller. No. 1,217,660; Feb. 27; v. 235; p. 1248.
- Decorticating, carding, and combing machine. J. F. Lafont. No. 1,223,077; Apr. 17; v. 237; p. 797.
- Decorticating fibrous leaves of plants, Device for. J. E. Askew. No. 1,233,013; July 10; v. 240; p. 520.
- Deep-sea-salvage-recovering apparatus. G. W. Winslow. No. 1,217,254; Feb. 27; v. 235; p. 1102.
- Defense, Method of and apparatus for. D. G. Saunders, Jr. No. 1,238,827; Sept. 4; v. 242; p. 34.
- Defensive implement. J. Darmofalski. No. 1,244,036; Oct. 23; v. 243; p. 912.
- Defibrinator. G. H. Roberts. No. 1,224,096; Apr. 24; v. 237; p. 1182.
- Deflection-indicator. J. Schweiss. No. 1,238,578; Aug. 28; v. 241; p. 1085.
- Deflocculating solid materials. E. G. Acheson. No. 1,223,350; Apr. 24; v. 237; p. 923.
- Deformities of the feet, Device for correcting the. A. A. S. Burns. No. 1,220,724; Mar. 27; v. 236; p. 1092.
- Dehorning implement. J. W. King. No. 1,239,016; Sept. 4; v. 242; p. 96.
- Dehydrating apparatus. G. H. Benjamin. No. 1,220,815; Mar. 27; v. 236; p. 1124.
- Dehydrating or drying apparatus. G. F. Humphrey. No. 1,225,634; May 8; v. 238; p. 577.
- Dehydrator. C. Biesel. No. 1,223,245; Apr. 17; v. 237; p. 853.
- Dehydrator. C. Robinson. No. 1,227,491; May 22; v. 238; p. 1281.
- Deinking-machine for platen-wipers. E. Hines. No. 1,249,085; Dec. 4; v. 245; p. 190.
- Delivering mechanism. G. B. Evans. No. 1,243,723; Oct. 23; v. 243; p. 815.
- Delivery apparatus, Coin-freed. H. M. Snow. No. 1,248,190; Nov. 27; v. 244; p. 993.
- Delivery-box. W. D. Martin and D. T. Bjork. No. 1,224,766; May 1; v. 238; p. 231.
- Delivery-case. T. V. Boardman. No. 1,219,069; Mar. 13; v. 236; p. 449.
- Delivery device. H. E. Lindblad. No. 1,220,353; Mar. 27; v. 236; p. 965.
- Delivery mechanism. J. H. MacLauchlan. No. 1,251,397; Dec. 25; v. 245; p. 987.
- Demand apparatus. L. T. Robinson. No. 1,227,320; May 22; v. 238; p. 1226.
- Demonstrating apparatus. F. M. Dannenfels. No. 1,210,608; Jan. 2; v. 234; p. 79.
- Demountable-rim wheel. E. K. Baker. No. 1,227,990; May 29; v. 238; p. 1482.
- Demountable wheel. P. T. Snyder. No. 1,243,773; Oct. 23; v. 243; p. 832.
- Density-regulator for the atomizing of water under pressure and of steam in lead chambers. L. Santa. No. 1,221,913; Apr. 10; v. 237; p. 351.
- Dental and surgical instrument. E. P. Dameron. No. 1,240,320; Sept. 18; v. 242; p. 574.
- Dental and surgical work, Self-illuminating depressor for. I. J. Smit. No. 1,246,339; Nov. 13; v. 244; p. 388.
- Dental apparatus. W. T. Lyon. No. 1,224,395; May 1; v. 238; p. 101.
- Dental appliance. E. A. Du Brul. No. 1,229,595; June 12; v. 239; p. 461.
- Dental appliance. S. Preston. No. 1,237,092; Aug. 14; v. 241; p. 537.
- Dental articulator. A. Gysi. No. 1,228,667; June 5; v. 239; p. 99.
- Dental artificial anchor. W. F. Shaw. No. 1,211,494; Jan. 9; v. 234; p. 416.
- Dental bridge. M. Lifshitz. No. 1,232,698; July 10; v. 240; p. 418.
- Dental bridge. G. W. Todd. No. 1,228,620; June 5; v. 239; p. 84.
- Dental bridgework. C. B. Bratt. No. 1,235,004; July 31; v. 240; p. 1267.
- Dental broach. I. Chige. No. 1,230,561; June 19; v. 239; p. 818.
- Dental casting-machine. J. E. Burns. No. 1,233,182; July 10; v. 240; p. 576.
- Dental casting-machine. E. E. Wightman. No. 1,230,254; June 19; v. 239; p. 716.
- Dental cement. W. S. Crowell. No. 1,244,296; Oct. 23; v. 243; p. 991.
- Dental cement. W. S. Crowell. No. 1,245,879; Nov. 6; v. 244; p. 223.
- Dental cement. J. E. Mahan. No. 1,226,232; May 15; v. 238; p. 822.
- Dental cements, Temporary retarding and suspending the setting of. J. W. Smith. No. 1,210,555; Jan. 2; v. 234; p. 61.
- Dental chair. A. W. Browne. No. 1,236,401; Aug. 14; v. 241; p. 311.
- Dental chair. C. W. Fertig and A. J. May. No. 1,233,859; July 17; v. 240; p. 832.
- Dental chair. H. E. Weber. No. 1,238,605; Aug. 23; v. 241; p. 1093.
- Dental chairs, Attachment of dental manikin-heads to the patients' head-rests of. F. Weiss. No. 1,215,087; Feb. 6; v. 235; p. 213.
- Dental chairs, Controller-support for. S. D. Strohm. No. 1,216,625; Feb. 20; v. 235; p. 845.
- Dental-crown attachment. W. F. Shaw. No. 1,228,488; June 5; v. 239; p. 39.
- Dental-crown dies, Mold for making. S. W. Tallafiero. No. 1,224,687; May 1; v. 238; p. 203.
- Dental crown, Removable artificial. W. E. Chester. No. 1,213,587; Jan. 23; v. 234; p. 1211.

- Dental-crown remover. L. R. Siegel. No. 1,245,992; Nov. 6; v. 244; p. 253.
- Dental die-punch. A. E. Stigberg and C. Bechtold. No. 1,228,617; June 5; v. 239; p. 83.
- Dental-engine attachment. A. Sved. No. 1,216,375; Feb. 20; v. 235; p. 756.
- Dental-film holder. H. F. Waite. No. 1,229,553; June 12; v. 239; p. 448.
- Dental-floss holder. C. B. Bowling and L. B. Bennett. No. 1,250,953; Dec. 25; v. 245; p. 858.
- Dental-floss holder. R. C. Kleckner. No. 1,217,779; Feb. 27; v. 235; p. 1286.
- Dental-floss holder. W. M. Muchow. No. 1,219,986; Mar. 20; v. 236; p. 797.
- Dental-floss holder. A. L. Paschall. No. 1,214,362; Jan. 30; v. 234; p. 1506.
- Dental-floss holder. A. W. Powell. No. 1,221,586; Apr. 3; v. 237; p. 205.
- Dental-floss holder. F. H. Stickler. No. 1,239,633; Sept. 11; v. 242; p. 319.
- Dental-floss-holding device. A. Freschl. No. 1,220,409; Mar. 27; v. 236; p. 984.
- Dental-furnace burner. C. H. Land. No. 1,227,277; May 22; v. 238; p. 1212.
- Dental handpieces, Wrist-joint for. E. E. Smith. No. 1,233,817; July 17; v. 240; p. 817.
- Dental implement. W. M. Farrow. No. 1,233,770; July 17; v. 240; p. 802.
- Dental implement. A. Matthews. No. 1,220,252; Mar. 27; v. 236; p. 927.
- Dental impression device. S. G. Supplee. No. 1,234,958; July 31; v. 240; p. 1253.
- Dental impression-trays, Attachment for. F. B. Macdonald. No. 1,248,690; Dec. 4; v. 245; p. 77.
- Dental impressions, Composition for making. H. H. Kreutzmann. No. 1,222,773; Apr. 17; v. 237; p. 694.
- Dental instrument. R. V. Brandt. No. 1,229,024; June 5; v. 239; p. 218.
- Dental instrument. L. E. Evslin. No. 1,245,153; Nov. 6; v. 244; p. 4.
- Dental instrument. H. N. Gorham. No. 1,232,280; July 3; v. 240; p. 249.
- Dental-instrument switch. P. Russell. No. 1,242,115; Oct. 2; v. 243; p. 205.
- Dental measuring-tool. C. R. Schwartz. No. 1,233,131; July 10; v. 240; p. 559.
- Dental mixing-slab. S. L. Jefferies. No. 1,247,406; Nov. 20; v. 244; p. 736.
- Dental mixing-slab. E. F. Medearis. No. 1,210,513; Jan. 2; v. 234; p. 47.
- Dental-model mounter. E. M. Brunet. No. 1,232,206; July 3; v. 240; p. 224.
- Dental-mold unit. C. A. Nixon. No. 1,217,206; Feb. 27; v. 235; p. 1086.
- Dental-motor hood. F. C. Rowe. No. 1,212,564; Jan. 16; v. 234; p. 821.
- Dental mounting. C. C. Manning. No. 1,212,532; Jan. 16; v. 234; p. 808.
- Dental obtunding-syringe. C. G. Capwell. No. 1,250,965; Dec. 25; v. 245; p. 861.
- Dental occluding-frame. R. E. Hall. No. 1,222,203; Apr. 10; v. 237; p. 452.
- Dental plates and the like, Anchor for. F. E. Roach. No. 1,227,073; May 22; v. 238; p. 1144.
- Dental plates, Mold for vulcanized-rubber. G. M. Wolpe. No. 1,212,725; Jan. 16; v. 234; p. 879.
- Dental pliers. J. B. McAllister. No. 1,214,197; Jan. 30; v. 234; p. 1447.
- Dental pliers. S. J. Symmons. No. 1,216,514; Feb. 20; v. 235; p. 805.
- Dental process. H. W. Babcock. No. 1,248,242; Nov. 27; v. 244; p. 1007.
- Dental restorations, Apparatus for making. R. W. Sweetnam. No. 1,235,857; Aug. 7; v. 241; p. 107.
- Dental restoration, Forming. R. W. Sweetman. No. 1,244,257; Oct. 23; v. 243; p. 978.
- Dental-rubber-dam holder and cutter. O. B. Elkins and M. S. Smith. No. 1,230,284; June 19; v. 239; p. 726.
- Dental scaler. T. F. Bates. No. 1,220,933; Mar. 27; v. 236; p. 1162.
- Dental suction-disk. N. Cohen. No. 1,243,386; Oct. 16; v. 243; p. 678.
- Dental surveying apparatus. R. L. Hanau. No. 1,230,156; June 19; v. 239; p. 682.
- Dental tool. J. H. Brown. No. 1,217,403; Feb. 27; v. 235; p. 1153.
- Dental tool. O. Schwalb. No. 1,227,207; May 22; v. 238; p. 1189.
- Dental tool. V. Stoll. No. 1,227,687; May 29; v. 238; p. 1377.
- Dental tool. V. Stoll. No. 1,244,792; Oct. 30; v. 243; p. 1178.
- Dental tool for cleaning teeth. G. O. Burlew. No. 1,238,883; Sept. 4; v. 242; p. 52.
- Dental tray. E. A. Brown. No. 1,226,457; May 15; v. 238; p. 898.
- Dental-vulcanizer attachment. T. T. Cater. No. 1,212,016; Jan. 9; v. 234; p. 598.
- Dental-waste receiver. C. Metzler. No. 1,228,124; May 29; v. 238; p. 1526.
- Dental-waste receiver. S. Soloff. No. 1,213,289; Jan. 23; v. 234; p. 1106.
- Dentifrice. J. E. Keefe. No. 1,211,712; Jan. 9; v. 234; p. 489.
- Dentifrice. W. M. Ruthrauff. No. 1,222,144; Apr. 10; v. 237; p. 430.
- Dentifrice. W. M. Ruthrauff. No. 1,225,362; May 8; v. 238; p. 486.
- Denture. R. M. Craig. No. 1,221,420; Apr. 3; v. 237; p. 147.
- Denture, Artificial. J. A. Maker. No. 1,218,289; Mar. 6; v. 236; p. 141.
- Denture, Artificial. G. L. Van Allen. No. 1,223,450; Apr. 24; v. 237; p. 956.
- Denture-roots, Implanting artificial. E. J. Greenfield. No. 1,216,683; Feb. 20; v. 236; p. 863.
- Dentures, Attachment for holding. H. Schreier. No. 1,242,989; Oct. 16; v. 243; p. 558.
- Deodorizer. B. W. Flanders. No. 1,233,039; July 10; v. 240; p. 529.
- Deodorizing device. C. H. Freese. No. 1,211,306; Jan. 2; v. 234; p. 319.
- Dephlegmation apparatus. R. R. Rosenbaum. No. 1,222,801; Apr. 17; v. 237; p. 703.
- Depolarizer, Higher-oxid-of-manganese. A. A. Wells. No. 1,232,873; July 10; v. 240; p. 476.
- Depolarizing agent. C. Ellis. No. 1,236,693; Aug. 14; v. 241; p. 408.
- Deposit and collection receptacle. J. R. Flinn. No. 1,231,724; July 3; v. 240; p. 64.
- Depositor. P. Donofrio. No. 1,216,665; Feb. 20; v. 235; p. 857.
- Depth-gage. O. G. Fishel. No. 1,235,785; Aug. 7; v. 241; p. 84.
- Depth-gage. F. B. Kinney. No. 1,248,340; Nov. 27; v. 244; p. 1035.
- Depth indicating device. E. E. Huffman. No. 1,246,270; Nov. 13; v. 244; p. 367.
- Derrail. S. W. Hayes. No. 1,235,971; Aug. 7; v. 241; p. 145.
- Derrail. S. W. Hayes. No. 1,235,972; Aug. 7; v. 241; p. 145.
- Derrailer. W. H. England and E. H. Allfree. No. 1,251,205; Dec. 25; v. 245; p. 931.
- Derrailer, Automatic. C. S. Hancock and G. W. Keller. No. 1,219,733; Mar. 20; v. 236; p. 708.
- Derrailing device. J. A. Bodkin. No. 1,228,740; June 5; v. 239; p. 125.
- Derrailing device, Adjustable. E. R. Packer. No. 1,242,847; Oct. 9; v. 243; p. 479.
- Derrailing device, Safety. J. W. Straughan. No. 1,246,486; Nov. 13; v. 244; p. 433.
- Derrick. W. F. Cummings. No. 1,234,637; July 24; v. 240; p. 1118.
- Derrick. A. D. Kightlinger. No. 1,221,747; Apr. 3; v. 237; p. 258.
- Derrick. G. H. Miller. No. 1,215,959; Feb. 13; v. 235; p. 557.
- Derricks, Unloading-sling for. O. Crosby. No. 1,221,693; Apr. 3; v. 237; p. 240.
- Desiccating apparatus. W. R. Clayton. No. 1,215,346; Feb. 13; v. 235; p. 835.
- Desiccating apparatus. C. E. Rogers. No. 1,226,011; May 15; v. 238; p. 746.
- Desiccating fluid substances, Process and apparatus for. R. W. G. Stutzke. No. 1,215,889; Feb. 13; v. 235; p. 530.
- Desiccating fluids, Means for and method of. C. E. Rogers. No. 1,243,878; Oct. 23; v. 243; p. 866.
- Designs, Producing ornamental. A. S. W. Grundy and A. F. Marten. No. 1,220,097; Mar. 20; v. 236; p. 836.
- Desk. W. A. Boyd. No. 1,232,649; July 10; v. 240; p. 401.
- Desk. F. R. Feitshaus. No. 1,220,405; Mar. 27; v. 236; p. 983.
- Desk. E. A. Mosman. No. 1,239,937; Sept. 11; v. 242; p. 417.
- Desk. H. J. Williams. No. 1,218,821; Mar. 13; v. 236; p. 364.
- Desk and kitchen-cabinet, Combination. O. G. Zerse. No. 1,221,498; Apr. 3; v. 237; p. 175.
- Desk and seat, Adjustable school. M. L. Gall. No. 1,221,306; Apr. 3; v. 237; p. 107.
- Desk and seat, Combined. B. K. Bloomfield. No. 1,212,734; Jan. 16; v. 234; p. 883.
- Desk and seat, School. E. N. Moyer. No. 1,246,981; Nov. 20; v. 244; p. 615.
- Desk-chair. G. W. Wemple and R. H. Benham. No. 1,236,517; Aug. 14; v. 241; p. 350.
- Desk-chair, Combination. J. W. Lattig. No. 1,231,917; July 3; v. 240; p. 128.
- Desk, Combination. L. E. Myers. No. 1,250,625; Dec. 18; v. 245; p. 710.
- Desk-drawer. C. J. Severance. No. 1,228,067; May 29; v. 238; p. 1508.
- Desk, Movable-top. P. S. Marcellus. No. 1,244,523; Oct. 30; v. 243; p. 1096.
- Desk or table, Convertible. W. W. Dixon and H. Vettel. No. 1,247,091; Nov. 20; v. 244; p. 646.
- Desk or table, Metal. E. Ohnstrand. No. 1,232,961; July 10; v. 240; p. 505.
- Desk-register, Hotel. G. L. J. Delaforge. No. 1,214,438; Jan. 30; v. 234; p. 1531.
- Desk, School. L. D. Andrus. No. 1,237,145; Aug. 14; v. 241; p. 553.
- Desk, Wall. F. F. Whealen. No. 1,232,874; July 10; v. 240; p. 476.

- Desk writing-bed. R. J. Gibbons. No. 1,211,433; Jan. 9; v. 234; p. 396.
- Desks, Foot-rest for school-. J. L. Pratt. No. 1,216,492; Feb. 20; v. 235; p. 797.
- Despatch system, Spread-wire carrier-. F. D. Powell. No. 1,210,984; Jan. 2; v. 234; p. 210.
- Despatch system, Vacuum-plenum pneumatic-carrier-. A. W. Pearsall. No. 1,240,362; Sept. 18; v. 242; p. 586.
- Desurfacer. W. H. Lerch. No. 1,222,875; Apr. 17; v. 237; p. 729.
- Detachable coupling for pipe-unions. W. H. Wafer. No. 1,232,129; July 3; v. 240; p. 201.
- Detachable handle. W. C. Crawford. No. 1,236,678; Aug. 14; v. 241; p. 403.
- Detachable handle. H. H. Hill. No. 1,212,057; Jan. 9; v. 234; p. 612.
- Detachable handle for cooking utensils. W. B. Kennedy. No. 1,217,010; Feb. 20; v. 235; p. 975.
- Detachable hook. W. C. Bennett. No. 1,220,717; Mar. 27; v. 236; p. 1090.
- Detachable wheel. A. S. J. Chapman. No. 1,219,810; Mar. 20; v. 236; p. 735.
- Detector. J. and R. J. Thompson. No. 1,245,135; Oct. 30; v. 243; p. 1282.
- Detector-bar. L. Day. No. 1,222,368; Apr. 10; v. 237; p. 511.
- Detector-bar clip. W. S. Henry. No. 1,245,102; Oct. 30; v. 243; p. 1271.
- Detergent, bleaching, and disinfecting composition. F. F. Carmona. No. 1,237,267; Aug. 14; v. 241; p. 591.
- Detergent device. O. B. Robinson. No. 1,225,496; May 8; v. 238; p. 530.
- Detergent for cleaning and polishing purposes. A. A. Leraas. No. 1,211,188; Jan. 2; v. 234; p. 279.
- Detonating cap. O. Matter. No. 1,239,613; Sept. 11; v. 242; p. 313.
- Detonator. G. A. Cock. No. 1,211,919; Jan. 9; v. 234; p. 565.
- Detonator. J. Keller. No. 1,221,454; Apr. 3; v. 237; p. 159.
- Detonator-cap protector. G. L. Dillard. No. 1,242,781; Oct. 9; v. 243; p. 458.
- Detonator for ordnance-shells. J. Keller. No. 1,221,453; Apr. 3; v. 237; p. 159.
- Developing apparatus. G. C. Beidler. No. 1,230,096; June 19; v. 239; p. 662.
- Devulcanization. D. Spence. No. 1,235,850; Aug. 7; v. 241; p. 105.
- Dewatering and replacement apparatus. G. Moore. No. 1,231,411; June 26; v. 239; p. 1141.
- Diagnostic instrument. H. Weder, Sr., and C. H. Wolff. No. 1,229,358; June 12; v. 239; p. 381.
- Dial for games and the like. H. Cook. No. 1,221,791; Apr. 3; v. 237; p. 273.
- Diamond, Cracked-glass. M. Okada. No. 1,219,853; Mar. 20; v. 236; p. 750.
- Diamonds, Polishing. C. J. Coleman. No. 1,214,009; Jan. 30; v. 234; p. 1384.
- Diamonds, Polishing. G. A. De Graaf. No. 1,213,164; Jan. 23; v. 234; p. 1062.
- Diaper. S. W. Laing. No. 1,224,756; May 1; v. 238; p. 228.
- Diaphragm-buffing machine. E. E. Whitmore. No. 1,231,680; July 3; v. 240; p. 49.
- Diaphragm, Iris-. H. L. De Zeng. No. 1,230,568; June 19; v. 239; p. 821.
- Diaphragm-mounting. H. M. Marble. No. 1,242,222; Oct. 9; v. 243; p. 280.
- Diaphragm-tensioning means. J. G. Nolen. No. 1,242,228; Oct. 9; v. 243; p. 282.
- Diaphragms, Making. C. S. Wickes. No. 1,213,051; Jan. 10; v. 234; p. 990.
- Diastases and toxins by oxidizing ferments, Manufacturing. A. Boldin and J. Effront. No. 1,227,525; May 22; v. 238; p. 1293.
- Diatomaceous material and making the same. T. M. Caven. No. 1,247,503; Nov. 20; v. 244; p. 764.
- Die: See—
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| Button-die. | Mitering-die. |
| Button-blanking-out die. | Pipe-die. |
| Capping-die. | Pipe-threading die. |
| Crimping-die. | Screw-cutting die. |
| Cutting-die. | Shearing-die. |
| Drill-forming die. | Swaging-die. |
| Forging-die. | Thread-cutting die. |
| Gang-die. | Threading-die. |
| Hat-forming die. | Tubing-die. |
| Master-die. | |
- Die. E. N. Breitung. No. 1,223,365; Apr. 24; v. 237; p. 927.
- Die. C. Holsclaw. No. 1,249,961; Dec. 11; v. 245; p. 475.
- Die and die-holder. G. Kohlhaas. No. 1,250,323; Dec. 18; v. 245; p. 620.
- Die and die-stock. M. F. Moran. No. 1,243,543; Oct. 16; v. 243; p. 726.
- Die-block, Reinforced. W. R. Forsyth. No. 1,229,736; June 12; v. 239; p. 507.
- Die-casting machine. J. Carr. No. 1,248,453; Dec. 4; v. 245; p. 7.
- Die-casting machine. J. T. Enley. No. 1,215,784; Feb. 13; v. 235; p. 492.
- Die-casting machine. A. W. Morris. No. 1,239,807; Sept. 11; v. 242; p. 376.
- Die-casting machine. J. K. Stewart. No. 1,231,808; July 3; v. 240; p. 92.
- Die-casting machine. L. P. Tenca. No. 1,226,408; May 15; v. 238; p. 883.
- Die casting or forging apparatus. A. W. Morris. No. 1,239,808; Sept. 11; v. 242; p. 376.
- Die construction. G. Tanzl. No. 1,228,495; June 5; v. 239; p. 41.
- Die-cushion. D. Strand. No. 1,245,059; Oct. 30; v. 243; p. 1258.
- Die-head. V. R. Koontz. No. 1,212,508; Jan. 16; v. 234; p. 800.
- Die-head. N. P. Petersen. No. 1,249,819; Dec. 11; v. 245; p. 434.
- Die-head, Hand-operated. W. H. Gates. No. 1,242,897; Oct. 9; v. 243; p. 494.
- Die-holder. J. Escher and J. Nagy. No. 1,214,662; Feb. 6; v. 235; p. 64.
- Die-holder, Floating. C. E. Williams. No. 1,220,149; Mar. 20; v. 236; p. 858.
- Die or former. C. M. Steele. No. 1,220,302; Mar. 27; v. 236; p. 1152.
- Die-presses or like machines, Attachment for ejectors of. C. D. McDonald. No. 1,243,435; Oct. 16; v. 243; p. 693.
- Die-stock. C. P. Aström. No. 1,250,183; Dec. 11; v. 245; p. 518.
- Die-stock. R. J. Hebert. No. 1,241,377; Sept. 25; v. 242; p. 936.
- Die-stock. I. W. Noneman. No. 1,228,955; June 5; v. 239; p. 196.
- Die-stock and roller therefor. M. M. Fickling and C. B. Johnson. No. 1,246,575; Nov. 13; v. 244; p. 461.
- Die-stock, Ratchet. I. W. Noneman. No. 1,238,558; Aug. 28; v. 241; p. 1678.
- Dies, Forming. A. F. Arthur. No. 1,231,323; June 26; v. 239; p. 1111.
- Dies, Setting-. J. Pickles. No. 1,218,801; Mar. 13; v. 236; p. 337.
- Dies, Sink or hub for use in manufacturing. J. Giebel and F. H. Zimmerman. No. 1,247,524; Nov. 20; v. 244; p. 769.
- Diesel engine, Double-acting. G. C. Davison and J. W. Anderson. No. 1,240,827; Sept. 25; v. 242; p. 763.
- Differential. A. L. Blalock. No. 1,248,442; Dec. 4; v. 245; p. 5.
- Differential appliance. J. J. and W. L. Spain. No. 1,236,222; Aug. 7; v. 241; p. 224.
- Differential device, Gearless. M. Hveem. No. 1,224,746; May 1; v. 238; p. 225.
- Differential mechanism. S. S. Bennett. No. 1,211,661; Jan. 9; v. 234; p. 473.
- Differential mechanism. F. Carlisle. No. 1,229,883; June 12; v. 239; p. 557.
- Differential mechanism. H. W. Connell. No. 1,217,918; Mar. 6; v. 236; p. 11.
- Differential mechanism. C. W. Taylor. No. 1,220,289; Mar. 27; v. 236; p. 942.
- Differential mechanism, Gearless. S. M. Dick. No. 1,232,244; July 3; v. 240; p. 237.
- Digesting and concentrating protein in any form by dissolving it in grape-juice. E. Monti. No. 1,226,983; May 22; v. 238; p. 1114.
- Digger: See—
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| Beet-digger. | Post-hole digger. |
| Ditch and sewer digger. | Potato-digger. |
| Grass-digger. | Potato, peanut, or the like digger. |
| Mechanical digger. | Trench-digger. |
| Peanut-digger. | |
- Digging and lifting machine, Beet. G. C. Thayer. No. 1,215,745; Feb. 13; v. 235; p. 479.
- Digging apparatus. J. M. Swonger. No. 1,237,578; Aug. 21; v. 241; p. 729.
- Digging implement, Weed-. J. E. Smith. No. 1,225,188; May 8; v. 238; p. 425.
- Digging-machine. W. L. Scott. No. 1,236,112; Aug. 7; v. 241; p. 187.
- Digging machine, Hole-. S. Duich. No. 1,231,865; July 3; v. 240; p. 111.
- Digging machine, Trench-. C. B. Weston. No. 1,247,191; Nov. 20; v. 244; p. 674.
- Digging-tool, Combination. S. W. Fransson. No. 1,250,839; Dec. 18; v. 245; p. 774.
- Dike. R. Jackson. No. 1,248,660; Dec. 4; v. 245; p. 69.
- Dimmer. A. K. Welderer. No. 1,235,620; Aug. 7; v. 241; p. 30.
- Dimmer for motor-vehicles. H. O. Johnson. No. 1,227,795; May 29; v. 238; p. 1414.
- Dimming device. R. E. Reed. No. 1,228,477; June 5; v. 239; p. 35.
- Dimming device. R. E. Reed. No. 1,228,478; June 5; v. 239; p. 35.
- Dining-kit. H. O. A. Albrechtsen. No. 1,243,239; Oct. 16; v. 243; p. 635.
- Dining-table, Self-serving. H. Strandberg. No. 1,224,035; Apr. 24; v. 237; p. 1162.
- Diolsins, (isoprene), caoutchouc, and caoutchouc-like substances, Manufacture of. H. Stern. No. 1,218,332; Mar. 6; v. 236; p. 156.
- Diphenylamin, Manufacturing. B. J. Flurscheim. No. 1,212,928; Jan. 16; v. 234; p. 947.
- Dipper. G. A. Morison, S. R. W. M. Bager, and O. F. Kaeser. No. 1,249,805; Dec. 11; v. 245; p. 429.

Alphabetical list of inventions—Continued.

- Dipper staff-handles, Socket and clamp for. E. Brockett. No. 1,237,163; Aug. 14; v. 241; p. 557.
- Dipper-tooth. C. B. Andrews. No. 1,234,114; July 24; v. 240; p. 948.
- Dipper-tooth. E. W. Dietz. No. 1,218,841; Mar. 13; v. 236; p. 371.
- Dipper-tooth. W. G. Nichols. No. 1,242,715; Oct. 9; v. 243; p. 437.
- Dipper-tooth. W. G. Nichols and A. H. Exton. No. 1,246,644; Nov. 13; v. 244; p. 480.
- Dipping mechanism. W. Whigham. No. 1,248,766; Dec. 4; v. 245; p. 100.
- Direction-finder and the like. F. W. Phillips. No. 1,213,534; Jan. 23; v. 234; p. 1192.
- Direction-indicator. C. E. Boberg. No. 1,212,316; Jan. 16; v. 234; p. 733.
- Direction-indicator. L. M. Bowman. No. 1,215,901; Feb. 13; v. 235; p. 534.
- Direction-indicator. O. L. Britton. No. 1,242,516; Oct. 9; v. 243; p. 372.
- Direction-indicator. W. O. Bunnell and Q. A. Gates. No. 1,239,349; Sept. 4; v. 242; p. 201.
- Direction-indicator. M. Colby. No. 1,233,189; July 10; v. 240; p. 578.
- Direction-indicator. M. Colby. No. 1,238,638; Aug. 28; v. 241; p. 1103.
- Direction-indicator. A. M. Harris. No. 1,238,763; Sept. 4; v. 242; p. 13.
- Direction-indicator. W. H. Larsen. No. 1,223,183; Apr. 17; v. 237; p. 836.
- Direction-indicator. W. H. Moore. No. 1,236,340; Aug. 7; v. 241; p. 259.
- Direction-indicator. L. S. Moorhead and M. G. Blahr. No. 1,246,979; Nov. 20; v. 244; p. 614.
- Direction-indicator. A. I. Szubski. No. 1,245,527; Nov. 6; v. 244; p. 117.
- Direction-signal. W. C. Reed. No. 1,250,506; Dec. 18; v. 245; p. 674.
- Direction-signal. H. T. Winston. No. 1,240,639; Sept. 18; v. 242; p. 671.
- Direction-signal and alarm. B. and G. F. Curtiss. No. 1,243,266; Oct. 16; v. 243; p. 643.
- Directional signal. J. Marcello. No. 1,211,330; Jan. 2; v. 234; p. 327.
- Directional signal. J. J. Schlaeger, Jr. No. 1,217,075; Feb. 20; v. 235; p. 995.
- Directories, &c., Combined place-marking and advertising device for. F. M. Stevens. No. 1,241,049; Sept. 25; v. 242; p. 832.
- Directory. W. C. Cutler. No. 1,214,013; Jan. 30; v. 234; p. 1386.
- Dirigible light. J. H. Reed. No. 1,234,389; July 24; v. 240; p. 1040.
- Dirigible light, Automatic. R. M. Swain. No. 1,227,088; May 22; v. 238; p. 1150.
- Dirt-removing means. W. Kane. No. 1,250,469; Dec. 18; v. 245; p. 663.
- Disazo dyestuffs and making same. Wool. E. Anderwert and H. Schobel. No. 1,233,742; July 17; v. 240; p. 794.
- Diseases of the human body, Apparatus for treating certain. S. Lake. No. 1,224,180; May 1; v. 238; p. 23.
- Dish. H. S. Cadby. No. 1,220,495; Mar. 27; v. 236; p. 1014.
- Dish attachment. H. E. Cary. No. 1,229,226; June 12; v. 239; p. 336.
- Dish cleansing and drying device. A. E. Perkins. No. 1,226,993; May 22; v. 238; p. 1118.
- Dish-cleansing apparatus. F. W. Beardsley. No. 1,212,171; Jan. 16; v. 244; p. 679.
- Dish-holder. P. I. Bachmann. No. 1,213,059; Jan. 16; v. 234; p. 992.
- Dish-holder. W. F. Kilkenny. No. 1,235,206; July 31; v. 240; p. 1327.
- Dish-holder. A. and A. Poimiroo. No. 1,218,894; Mar. 13; v. 236; p. 391.
- Dish-lifter. A. Panasci. No. 1,242,465; Oct. 9; v. 243; p. 357.
- Dish-pan. M. A. Smith. No. 1,239,834; Sept. 11; v. 242; p. 385.
- Dish-rack, Metallic. A. M. Vanderbeek. No. 1,241,169; Sept. 25; v. 242; p. 869.
- Dish, Serving-. H. Schwing. No. 1,225,870; May 15; v. 238; p. 698.
- Dish-washer. A. D. Bush. No. 1,215,107; Feb. 6; v. 235; p. 218.
- Dish-washer. B. P. Critchlow. No. 1,223,261; Apr. 17; v. 237; p. 858.
- Dish-washer. J. H. Van Wyck. No. 1,211,985; Jan. 9; v. 234; p. 589.
- Dish-washer, Mechanical. W. R. Walker. No. 1,244,446; Oct. 23; v. 243; p. 1034.
- Dish-washing machine. L. Benson. No. 1,218,620; Mar. 13; v. 236; p. 291.
- Dish-washing machine. L. S. Best. No. 1,240,298; Sept. 18; v. 242; p. 567.
- Dish-washing machine. J. J. Crow. No. 1,246,556; Nov. 13; v. 244; p. 454.
- Dish-washing machine. J. K. Dalton and M. Mullen. No. 1,250,098; Dec. 11; v. 245; p. 513.
- Dish-washing machine. W. S. Dougherty and W. K. Franklin. No. 1,217,576; Feb. 27; v. 235; p. 1216.
- Dish-washing machine. P. T. Dunn. No. 1,243,925; Oct. 23; v. 243; p. 879.
- Dish-washing machine. J. Garis-Cochrane. No. 1,223,380; Apr. 24; v. 237; p. 932.
- Dish-washing machine. A. L. Sessions. No. 1,215,583; Feb. 13; v. 235; p. 422.
- Dish-washing machine. C. E. Storck. No. 1,230,618; June 19; v. 239; p. 837.
- Dish-washing machine. L. Winters. No. 1,226,428; May 15; v. 238; p. 890.
- Dish-washing machines, Deflector for the shaft-bearings of. W. Campbell. No. 1,235,288; July 31; v. 240; p. 1351.
- Disinfectant. H. Bechhold. No. 1,232,187; July 3; v. 240; p. 219.
- Disinfectant-holder. A. D. Shreve. No. 1,238,349; Aug. 28; v. 241; p. 1011.
- Disinfectants, deodorants, or other fumes, Diffusing device for. E. J. Bieder. No. 1,246,529; Nov. 13; v. 244; p. 446.
- Disinfecting and ventilating device. F. Frank. No. 1,239,584; Sept. 11; v. 242; p. 304.
- Disinfecting apparatus. A. J. Griner. No. 1,222,756; Apr. 17; v. 237; p. 688.
- Disinfecting apparatus. J. F. Hunt. No. 1,210,650; Jan. 2; v. 234; p. 95.
- Disinfecting apparatus. U. J. Smith. No. 1,222,044; Apr. 10; v. 237; p. 395.
- Disinfecting apparatus. W. H. Tibbals. No. 1,215,218; Feb. 6; v. 235; p. 256.
- Disinfecting device. C. Doering, Jr. No. 1,240,831; Sept. 25; v. 242; p. 765.
- Disinfecting device, Automatic. D. N. Hitchcock. No. 1,248,859; Dec. 4; v. 245; p. 128.
- Disinfector and deodorizer. E. J. Capek. No. 1,242,321; Oct. 9; v. 243; p. 311.
- Disinfector and deodorizer, Electric. R. Thornberg. No. 1,230,342; June 19; v. 239; p. 745.
- Disinfector, Toilet-. R. J. Lewers. No. 1,221,340; Apr. 3; v. 237; p. 119.
- Disintegrating-machine. G. S. Higginson. No. 1,235,030; July 31; v. 240; p. 1274.
- Disintegrating, pulverizing, or mixing apparatus, Rotary. J. W. Spensley. No. 1,215,424; Feb. 13; v. 235; p. 361.
- Disintegrating substances, Machine for. J. Burns. No. 1,237,241; Aug. 14; v. 241; p. 582.
- Disk distributing or assorting machine. A. Boera. No. 1,235,281; July 31; v. 240; p. 1350.
- Disk drill, Rotary. H. R. Hughes. No. 1,227,911; May 29; v. 238; p. 1454.
- Disk grinder. R. L. Carter. No. 1,244,584; Oct. 30; v. 243; p. 1116.
- Disk jointer. V. O. Ogle. No. 1,228,695; June 5; v. 239; p. 109.
- Disk lister and planter, Combined. J. W. Trimble. No. 1,247,744; Nov. 27; v. 244; p. 867.
- Disk records, Device for controlling the speed of. R. T. Hosking. No. 1,238,918; Sept. 4; v. 242; p. 63.
- Disks, Forming tapering cross-section. A. L. Putnam. No. 1,245,270; Nov. 6; v. 244; p. 38.
- Disks of cork or similar material, Machine for cutting. A. Minnemann. No. 1,235,226; July 31; v. 240; p. 1333.
- Dispenser. W. P. Williamson. No. 1,216,640; Feb. 20; v. 235; p. 849.
- Dispensing and measuring device, Combined. F. O. Bullis. No. 1,225,107; May 8; v. 238; p. 398.
- Dispensing apparatus. A. A. Bowser. No. 1,248,606; Dec. 4; v. 245; p. 54.
- Dispensing apparatus. C. R. Hellein. No. 1,238,403; Aug. 28; v. 241; p. 1028.
- Dispensing apparatus. W. Hill and L. Gardella. No. 1,215,531; Feb. 13; v. 235; p. 401.
- Dispensing apparatus. I. Kulick. No. 1,225,143; May 8; v. 238; p. 410.
- Dispensing apparatus. W. McCorkindale. No. 1,218,196; Mar. 6; v. 236; p. 107.
- Dispensing apparatus. W. R. McDonald and W. J. Milne. No. 1,219,651; Mar. 20; v. 236; p. 680.
- Dispensing apparatus. W. W. Nichols and C. H. Kelsea. No. 1,238,182; Aug. 28; v. 241; p. 956.
- Dispensing apparatus. H. J. Walker. No. 1,250,535; Dec. 18; v. 245; p. 684.
- Dispensing apparatus, Actuating mechanism for. L. E. Baker. No. 1,247,487; Nov. 20; v. 244; p. 759.
- Dispensing apparatus, Spout attachment for. T. E. Phillips. No. 1,218,695; Mar. 13; v. 236; p. 317.
- Dispensing-bin. B. J. Myers. No. 1,221,575; Apr. 3; v. 237; p. 202.
- Dispensing-bin. I. Nelson. No. 1,219,846; Mar. 20; v. 236; p. 748.
- Dispensing-bin. W. G. Templeton. No. 1,230,238; June 19; v. 239; p. 710.
- Dispensing-can. J. Q. Bosselmann. No. 1,243,801; Oct. 23; v. 243; p. 841.
- Dispensing-can. F. M. Furber. No. 1,236,421; Aug. 14; v. 241; p. 318.
- Dispensing device. F. M. Case. No. 1,244,585; Oct. 30; v. 243; p. 1116.
- Dispensing device. R. Drake. No. 1,224,082; Apr. 24; v. 237; p. 1177.
- Dispensing device. W. E. Frederick. No. 1,226,498; May 15; v. 238; p. 912.
- Dispensing device. L. Heck. No. 1,244,205; Oct. 23; v. 243; p. 961.

- Dispensing device. O. Karcher. No. 1,226,218; May 15; v. 238; p. 817.
- Dispensing device. F. Kees. No. 1,220,753; Mar. 27; v. 236; p. 1102.
- Dispensing device. A. Larsen. No. 1,218,092; Mar. 6; v. 236; p. 71.
- Dispensing device. E. Ritz. No. 1,238,195; Aug. 28; v. 241; p. 960.
- Dispensing device. W. C. Stewart. No. 1,248,746; Dec. 4; v. 245; p. 94.
- Dispensing-machine. S. Hanson. No. 1,211,577; Jan. 9; v. 234; p. 445.
- Dispensing-machine. G. W. Mathison. No. 1,241,646; Oct. 2; v. 243; p. 57.
- Dispensing-machine. V. Ross. No. 1,218,958; Mar. 13; v. 236; p. 411.
- Dispensing-receptacle. J. W. Kaiser. No. 1,211,945; Jan. 9; v. 234; p. 575.
- Dispensing-receptacle. H. F. Martin. No. 1,230,498; June 19; v. 239; p. 796.
- Dispensing-receptacle. C. L. Weil. No. 1,243,021; Oct. 16; v. 243; p. 570.
- Dispensing system. W. A. Allen. No. 1,237,144; Aug. 14; v. 241; p. 552.
- Dispensing vessel. Measuring. H. L. Sawyer and G. E. Perry. No. 1,233,812; July 17; v. 240; p. 816.
- Display advertising-machine. J. B. Barnett. No. 1,242,639; Oct. 9; v. 243; p. 413.
- Display and advertising device. Window. S. K. Radkoff. No. 1,239,040; Sept. 4; v. 242; p. 102.
- Display and dispensing device. A. O. Bergman. No. 1,231,475; June 26; v. 239; p. 1162.
- Display and selling device. F. H. Russell. No. 1,227,323; May 22; v. 238; p. 1227.
- Display apparatus. F. G. Dickerson. No. 1,222,083; Apr. 10; v. 237; p. 408.
- Display apparatus. W. A. Fricke. No. 1,222,091; Apr. 10; v. 237; p. 411.
- Display apparatus. W. A. Fricke. No. 1,222,092; Apr. 10; v. 237; p. 412.
- Display apparatus. W. A. Fricke. No. 1,222,093; Apr. 10; v. 237; p. 413.
- Display apparatus. H. Koren. No. 1,226,676; May 22; v. 238; p. 1007.
- Display apparatus. H. H. Newmark. No. 1,246,454; Nov. 13; v. 244; p. 423.
- Display apparatus. D. C. Teetor. No. 1,224,512; May 1; v. 238; p. 142.
- Display apparatus. G. M. Wiley. No. 1,221,494; Apr. 3; v. 237; p. 173.
- Display apparatus and vehicle therefor. H. I. Bayers. No. 1,230,369; June 19; v. 239; p. 753.
- Display apparatus. Clock-actuated. R. D. Shure. No. 1,247,589; Nov. 20; v. 244; p. 788.
- Display apparatus. Electric. A. C. Heiny. No. 1,220,110; Mar. 20; v. 236; p. 841.
- Display apparatus. Illuminated. F. C. Bowldidge and P. C. McMullen. No. 1,238,739; Sept. 4; v. 242; p. 6.
- Display apparatus. Reversing mechanism for. I. J. Kolfe. No. 1,233,920; July 17; v. 240; p. 851.
- Display attachment for radiator-nozzles. W. G. Miller and J. W. Vanderveer. No. 1,246,978; Nov. 20; v. 244; p. 614.
- Display-board. Changeable. J. Locke. No. 1,221,758; Apr. 3; v. 237; p. 262.
- Display-box. L. F. Gold. No. 1,230,401; June 19; v. 239; p. 763.
- Display-box. J. H. Stortz. No. 1,228,714; June 5; v. 239; p. 116.
- Display-box. E. Underwood. No. 1,231,674; July 3; v. 240; p. 47.
- Display-box. L. E. Waldeck. No. 1,236,509; Aug. 14; v. 241; p. 347.
- Display-box. Vending. S. Dealham, Jr. No. 1,220,500; Mar. 27; v. 236; p. 1016.
- Display-cabinet. J. L. Eckerson. No. 1,251,196; Dec. 25; v. 245; p. 928.
- Display-cabinet. S. Himmel. No. 1,245,918; Nov. 6; v. 244; p. 234.
- Display cabinet. Sales-. J. Sorensen. No. 1,211,774; Jan. 9; v. 234; p. 511.
- Display-card. R. M. Bickerstaff. No. 1,236,253; Aug. 7; v. 241; p. 233.
- Display-card. E. Underwood. No. 1,239,235; Sept. 4; v. 242; p. 166.
- Display-card. M. R. Wood. No. 1,236,131; Aug. 7; v. 241; p. 194.
- Display-case. W. Hoffmann. No. 1,251,031; Dec. 25; v. 245; p. 881.
- Display-case. J. M. Wright. No. 1,228,510; June 5; v. 239; p. 47.
- Display-case. Revolving. A. A. Carter. No. 1,243,706; Oct. 23; v. 243; p. 808.
- Display-cases. Lighting-fixture for. E. M. Smith. No. 1,243,453; Oct. 16; v. 243; p. 698.
- Display-container. Collapsible. E. O. Tinsley. No. 1,245,531; Nov. 6; v. 244; p. 118.
- Display-container. Knockdown. E. O. Tinsley. No. 1,234,421; July 24; v. 240; p. 1051.
- Display-counter. W. G. and S. J. Sherer. No. 1,222,687; Apr. 17; v. 237; p. 665.
- Display device. W. K. Achert. No. 1,250,937; Dec. 25; v. 245; p. 853.
- Display device. C. Bernstein. No. 1,232,189; July 3; v. 240; p. 219.
- Display device. J. T. Berthelote. No. 1,244,282; Oct. 23; v. 243; p. 987.
- Display device. A. Burke. No. 1,213,455; Jan. 23; v. 234; p. 1165.
- Display device. T. F. Connor. No. 1,238,988; Sept. 4; v. 242; p. 87.
- Display device. W. C. Gillespie. No. 1,233,219; July 10; v. 240; p. 588.
- Display device. J. J. Karges. No. 1,232,564; July 10; v. 240; p. 374.
- Display device. T. Killingsworth. No. 1,217,013; Feb. 20; v. 235; p. 976.
- Display device. C. H. MacQuesten. No. 1,236,196; Aug. 7; v. 241; p. 215.
- Display device. O. F. Onken. No. 1,220,447; Mar. 27; v. 236; p. 997.
- Display device. E. R. Smith. No. 1,240,611; Sept. 18; v. 242; p. 662.
- Display device. O. L. Smith. 1,219,405; Mar. 13; v. 236; p. 564.
- Display device. J. Stranders. No. 1,243,070; Oct. 2; v. 243; p. 191.
- Display device. Advertising-. W. F. Graham and S. C. Hawthorn. No. 1,229,944; June 12; v. 239; p. 576.
- Display device. Card-. R. Hopkins and A. G. Weidensee. No. 1,214,732; Feb. 6; v. 235; p. 88.
- Display device. Door. J. I. Gardiner. No. 1,234,005; July 17; v. 240; p. 878.
- Display device. Electric. C. Tregoning. No. 1,216,016; Feb. 13; v. 235; p. 577.
- Display device. Electrical. J. S. Pennefather. No. 1,247,874; Nov. 27; v. 244; p. 904.
- Display device for automobile-license numbers. C. D. Baker. No. 1,229,208; June 12; v. 239; p. 330.
- Display device for car-weights. F. C. Maegly. No. 1,221,464; Apr. 3; v. 237; p. 162.
- Display device for velling, &c. G. T. Eager. No. 1,238,898; Sept. 4; v. 242; p. 57.
- Display device for watch-bracelets. C. L. Depollier. No. 1,232,237; July 3; v. 240; p. 235.
- Display device. Illuminated. H. and G. Dumars. No. 1,230,879; June 26; v. 239; p. 961.
- Display device. Rotary. R. P. Gonzales. No. 1,237,502; Aug. 21; v. 241; p. 704.
- Display device. sign, &c. F. A. Schneider. No. 1,250,671; Dec. 18; v. 245; p. 723.
- Display device. Vehicle. T. H. Wadden. No. 1,214,621; Feb. 6; v. 235; p. 49.
- Display-easel. A. W. Cadmus. No. 1,232,766; July 10; v. 240; p. 441.
- Display-fixture. H. M. Friesleben. No. 1,243,059; Oct. 16; v. 243; p. 582.
- Display-fixture. H. V. Lough. No. 1,251,062; Dec. 25; v. 245; p. 890.
- Display-fixture. H. V. Lough. No. 1,251,255; Dec. 25; v. 245; p. 946.
- Display fixture. Tie-. H. Oakland. No. 1,236,342; Aug. 7; v. 241; p. 259.
- Display-fixtures. Spacer for wings or panels of. H. V. Lough. No. 1,251,253; Dec. 25; v. 245; p. 945.
- Display-fixtures. Swinging panel for. H. V. Lough. No. 1,251,264; Dec. 25; v. 245; p. 945.
- Display, Fountain-. A. O. Ziener. No. 1,218,969; Mar. 13; v. 236; p. 415.
- Display machine. Picture-. J. M. Osborne. No. 1,215,694; Feb. 13; v. 235; p. 462.
- Display, Method and system of selective character-. J. P. Tarbox. No. 1,218,015; Mar. 6; v. 236; p. 44.
- Display or advertising mechanism. H. J. Herberts. No. 1,236,433; Aug. 14; v. 241; p. 321.
- Display-rack. D. H. Caldemeyer. No. 1,222,844; Apr. 17; v. 237; p. 717.
- Display-rack. C. W. Carlson. No. 1,217,409; Feb. 27; v. 235; p. 1155.
- Display-rack. J. S. Clinton. No. 1,231,849; July 3; v. 240; p. 106.
- Display-rack. W. J. Coate. No. 1,246,883; Nov. 20; v. 244; p. 586.
- Display-rack. D. F. Dexter. No. 1,238,499; Aug. 28; v. 241; p. 1058.
- Display-rack. J. L. Garland. No. 1,236,158; Aug. 7; v. 241; p. 202.
- Display-rack. S. Himmel. No. 1,214,461; Jan. 30; v. 234; p. 1538.
- Display-rack. W. T. Hormes. No. 1,213,646; Jan. 23; v. 234; p. 1230.
- Display-rack. F. Kaufman. No. 1,223,984; Apr. 24; v. 237; p. 1144.
- Display-rack. D. C. Lewter. No. 1,248,685; Dec. 4; v. 245; p. 76.
- Display-rack. W. J. Madole and C. V. Krider. No. 1,226,679; May 22; v. 238; p. 1008.
- Display-rack. A. E. Miller. No. 1,214,348; Jan. 30; v. 234; p. 1502.
- Display-rack. A. E. Miller. No. 1,214,479; Jan. 30; v. 234; p. 1544.
- Display-rack. A. E. Miller. No. 1,219,758; Mar. 20; v. 236; p. 716.
- Display-rack. A. E. Miller. No. 1,234,371; July 24; v. 240; p. 1034.
- Display-rack. V. H. Miller. No. 1,235,225; July 31; v. 240; p. 1332.

Alphabetical list of inventions—Continued.

- Display-rack. R. O'Toole. No. 1,212,245; Jan. 16; v. 234; p. 707.
- Display-rack. R. E. Osborne and M. T. Horton. No. 1,213,127; Jan. 16; v. 234; p. 1016.
- Display-rack. J. B. Ratto. No. 1,236,355; Aug. 7; v. 241; p. 263.
- Display-rack. C. C. Rush. No. 1,241,768; Oct. 2; v. 243; p. 95.
- Display-rack. B. C. Schaffer. No. 1,211,242; Jan. 2; v. 234; p. 298.
- Display-rack. F. A. Stecher. No. 1,230,234; June 19; v. 239; p. 709.
- Display-rack. B. Stern. No. 1,230,051; June 12; v. 239; p. 609.
- Display-rack. J. A. Stoneham. No. 1,237,118; Aug. 14; v. 241; p. 545.
- Display-rack. F. C. Wardrop. No. 1,250,255; Dec. 18; v. 245; p. 600.
- Display-rack. E. B. Weston. No. 1,225,903; May 15; v. 238; p. 710.
- Display-rack. B. E. Willett. No. 1,247,195; Nov. 20; v. 244; p. 675.
- Display-rack, Adjustable revolving. F. Marquart. No. 1,246,633; Nov. 13; v. 244; p. 477.
- Display-rack, Automatic. H. G. Baker. No. 1,239,662; Sept. 11; v. 242; p. 328.
- Display-rack for trunks. Shoe. F. G. Cummings. No. 1,231,713; July 3; v. 240; p. 60.
- Display-rack, Revolving. E. W. Townsend. No. 1,240,105; Sept. 11; v. 242; p. 466.
- Display-rack, Rotary. A. Vanderveld. No. 1,243,014; Oct. 16; v. 243; p. 567.
- Display rack, Wall-paper-. A. Quiram. No. 1,248,710; Dec. 4; v. 243; p. 84.
- Display-racks, Cutting mechanism for. D. L. Lanford. No. 1,215,888; Feb. 13; v. 235; p. 350.
- Display-racks, Locking device for. A. Vanderveld. No. 1,243,015; Oct. 16; v. 243; p. 567.
- Display-receptacle. O. S. Switzer. No. 1,224,233; May 1; v. 238; p. 42.
- Display-receptacle. H. B. Tourtellot. No. 1,247,036; Nov. 20; v. 244; p. 629.
- Display-registering system. J. P. Tarbox. No. 1,218,016; Mar. 6; v. 236; p. 44.
- Display-sign for automobiles. E. A. Campbell. No. 1,227,746; May 29; v. 238; p. 1398.
- Display-signal. E. J. Kingsbury. No. 1,245,467; Nov. 6; v. 244; p. 97.
- Display-stand. W. S. Campbell. No. 1,231,490; June 26; v. 239; p. 1166.
- Display-stand. T. E. Deeley. No. 1,238,275; Aug. 28; v. 241; p. 986.
- Display-stand. O. K. Dunbar. No. 1,221,517; Apr. 3; v. 237; p. 182.
- Display-stand. M. M. Einson. No. 1,242,535; Oct. 9; v. 243; p. 378.
- Display-stand. T. Enochty. No. 1,242,429; Oct. 9; v. 243; p. 345.
- Display-stand. C. W. Page. No. 1,247,871; Nov. 27; v. 244; p. 904.
- Display-stand. P. C. Taylor. No. 1,245,819; Nov. 6; v. 244; p. 205.
- Display stand, Bottle-. R. A. Hudnut. No. 1,236,085; Aug. 7; v. 241; p. 179.
- Display-stand for electric-light lamps. C. W. Witt. No. 1,219,892; Mar. 20; v. 236; p. 764.
- Display-stand for flowers. W. H. Joy and F. Kouff. No. 1,220,855; Mar. 27; v. 236; p. 1138.
- Display-stand for swatch-books. E. E. Strauss. No. 1,215,588; Feb. 13; v. 235; p. 424.
- Display system, Electric. A. C. Heiny. No. 1,220,109; Mar. 20; v. 236; p. 840.
- Display, Window-. C. S. Jackson. No. 1,214,546; Feb. 6; v. 235; p. 22.
- Display-windows, Corner-shelf for. G. G. Houghton. No. 1,222,762; Apr. 17; v. 237; p. 690.
- Displays, Apparatus for illuminated. H. Dumars. No. 1,230,878; June 26; v. 239; p. 961.
- Displaying advertisements, signaling, and the like, Apparatus for. J. P. Naylor. No. 1,213,528; Jan. 23; v. 234; p. 1190.
- Displaying apparatus, Advertisement-. M. Skreta. No. 1,214,952; Feb. 6; v. 235; p. 168.
- Displaying apparatus, Map-. C. Knauf. No. 1,218,277; Mar. 6; v. 236; p. 137.
- Displaying device, Garment-. H. T. Loomis. No. 1,234,356; July 24; v. 240; p. 1029.
- Displaying machine, Advertisement-. L. F. W. Meese. No. 1,230,313; June 19; v. 239; p. 735.
- Displaying pictures, Method of and apparatus for. L. McCormick. No. 1,230,188; June 19; v. 239; p. 694.
- Distance and speed indicator and recorder. T. J. Barrett. No. 1,213,801; Jan. 23; v. 234; p. 1282.
- Distance-meter. T. Chabre. No. 1,215,317; Feb. 6; v. 235; p. 291.
- Distillate producing and condensing apparatus. G. Burton. No. 1,238,256; Aug. 28; v. 241; p. 980.
- Distillates, Treating liquid. F. W. Sperr, Jr. No. 1,246,671; Nov. 13; v. 244; p. 488.
- Distillation and condensation, Process and apparatus for fractional. J. W. Aylsworth. No. 1,250,760; Dec. 18; v. 245; p. 750.
- Distillation and the like, Column for. W. E. Lummus. No. 1,226,898; May 22; v. 238; p. 1082.
- Distillation, Apparatus for, destructive. S. E. Seaman. No. 1,236,885; Aug. 14; v. 241; p. 469.
- Distillation apparatus, Fractional-. J. T. Davis. No. 1,218,840; Mar. 13; v. 236; p. 371.
- Distillation apparatus, Oil-. S. M. Herber. No. 1,227,559; May 22; v. 238; p. 1304.
- Distillation, Destructive. S. E. Seaman. No. 1,236,884; Aug. 14; v. 241; p. 469.
- Distillation furnace, Metal-. E. E. Cherry. No. 1,231,239; June 26; v. 239; p. 1084.
- Distillation, Method of and apparatus for fractional. W. E. Lummus. No. 1,216,334; Feb. 20; v. 235; p. 741.
- Distillation of carbonaceous material, Apparatus for effecting the destructive. W. L. S. Frioieau. No. 1,237,094; Aug. 14; v. 241; p. 538.
- Distillation of coal and other carbonaceous materials. H. G. Stone. No. 1,242,261; Oct. 9; v. 243; p. 292.
- Distillation of coal or other carbonaceous substances, Furnace-setting for the destructive. S. N. Wellington. No. 1,234,517; July 24; v. 240; p. 1081.
- Distillation of heavy oils, oil residues, and bitumens. W. A. Hall. No. 1,247,671; Nov. 27; v. 244; p. 845.
- Distillation of materials containing cellulose, Dry. H. von Hochstetter. No. 1,241,789; Oct. 2; v. 243; p. 102.
- Distillation of oil. S. M. Herber. No. 1,227,558; May 22; v. 238; p. 1303.
- Distillation of tar, Continuous. J. Artmann. No. 1,214,259; Jan. 30; v. 234; p. 1469.
- Distillation of wood and the like, Destructive. S. E. Seaman. (Reissue.) No. 14,300; May 8; v. 238; p. 613.
- Distillation process. H. L. Doherty. No. 1,225,226; May 8; v. 238; p. 437.
- Distillation, Wood. H. O. Chute. No. 1,250,282; Dec. 18; v. 245; p. 608.
- Distiller, Water-. V. G. Mellgren. No. 1,237,079; Aug. 14; v. 241; p. 539.
- Distillery by-products, Treating. W. W. Haughey. No. 1,232,446; July 3; v. 240; p. 300.
- Distilling and evaporating method and apparatus. J. S. Forbes. No. 1,232,269; July 3; v. 240; p. 245.
- Distilling and exsiccating watery combustibles. G. Merkel. No. 1,229,637; June 12; v. 239; p. 475.
- Distilling apparatus. L. S. Flatau. No. 1,233,771; July 17; v. 240; p. 802.
- Distilling apparatus, Electrical. C. H. Fulton. No. 1,242,337; Oct. 9; v. 243; p. 316.
- Distilling apparatus for kelp and the like. J. C. W. Stanley. No. 1,212,579; Jan. 16; v. 234; p. 826.
- Distilling apparatus, Petroleum-. S. Born. No. 1,234,124; July 24; v. 240; p. 952.
- Distilling apparatus, Wood-. A. W. Quattlebaum and B. S. Mooney. No. 1,215,990; Feb. 13; v. 235; p. 567.
- Distilling coal-tar or coal-tar pitch and products derived therefrom. P. C. Reilly. No. 1,230,782; June 19; v. 239; p. 890.
- Distilling furnace and condenser for producing blue powder, Electric zinc-. J. Thomson. No. 1,214,842; Feb. 6; v. 235; p. 123.
- Distilling furnace, Electric zinc-. J. Thomson and F. A. J. Fitz Gerald. No. 1,219,194; Mar. 13; v. 236; p. 491.
- Distilling hydrocarbons. J. W. Coast, Jr. No. 1,250,798; Dec. 18; v. 245; p. 761.
- Distilling hydrocarbons, Method of and apparatus for. H. A. Frasch. No. 1,212,620; Jan. 16; v. 234; p. 840.
- Distilling metallic ores. C. H. Fulton and T. M. Bains, Jr. No. 1,242,339; Oct. 9; v. 243; p. 317.
- Distilling metallic ores and metal-bearing materials, Apparatus for. C. H. Fulton and T. M. Bains, Jr. No. 1,242,340; Oct. 9; v. 243; p. 317.
- Distilling mineral oils and the like, Process and apparatus for continuously. C. H. Bormann. No. 1,220,067; Mar. 20; v. 236; p. 825.
- Distilling oil, Revolvable retort for. S. M. Herber. No. 1,227,560; May 22; v. 238; p. 1304.
- Distributor. F. L. Adams. No. 1,247,480; Nov. 20; v. 244; p. 757.
- Distributor. J. F. Cavanagh. No. 1,242,895; Oct. 9; v. 243; p. 494.
- Distributor-arm. J. F. Cavanagh. No. 1,248,612; Dec. 4; v. 245; p. 55.
- Distributor-pipe, Flexible. H. M. Gehl. No. 1,220,740; Mar. 27; v. 236; p. 1098.
- Distributing-case. W. G. Axworthy. No. 1,218,971; Mar. 13; v. 236; p. 416.
- Distributing-machine. C. H. H. and W. H. H. Bailey. No. 1,219,067; Mar. 13; v. 236; p. 448.
- Distributing-machine. A. S. Trew. No. 1,246,358; Nov. 13; v. 244; p. 394.
- Distributing parcels and the like, Means for. A. G. Seaman, S. Osborne, H. A. Cox, and A. W. Gattie. No. 1,223,624; Apr. 24; v. 237; p. 1020.
- Distributing system. A. Chernyshoff. No. 1,224,139; May 1; v. 238; p. 8.
- Distributing system, Automatic call-. J. G. Roberts. No. 1,218,805; Mar. 13; v. 236; p. 358.
- Distribution and control system. R. E. Hellmund. No. 1,242,936; Oct. 16; v. 243; p. 542.
- Distribution and control system. B. G. Lamme. No. 1,243,307; Oct. 16; v. 243; p. 656.
- Distribution and control system. B. G. Lamme. No. 1,243,430; Oct. 16; v. 243; p. 692.
- Distribution and control system. B. G. Lamme. No. 1,246,617; Nov. 13; v. 244; p. 473.

- Distribution system. A. J. Hall. No. 1,248,484; Dec. 4; v. 245; p. 16.
- Distribution system. W. O. Lum. No. 1,236,725; Aug. 14; v. 241; p. 419.
- Distribution system. F. W. Meyer. No. 1,235,583; Aug. 7; v. 241; p. 18.
- Distribution system. F. W. Meyer. No. 1,235,584; Aug. 7; v. 241; p. 18.
- Distribution system. F. W. Meyer. No. 1,235,585; Aug. 7; v. 241; p. 18.
- Distribution system. N. W. Storer. No. 1,250,243; Dec. 18; v. 245; p. 596.
- Distribution systems, Protective device for. A. H. Davis. No. 1,222,536; Apr. 10; v. 237; p. 570.
- Disulfid, Producing molybdenum. D. L. Johnson. No. 1,248,867; Dec. 4; v. 245; p. 131.
- Ditch and sewer digger. C. Bauer. No. 1,214,410; Jan. 30; v. 234; p. 1522.
- Ditch cleaner and former, Combined. M. Schlatter. No. 1,239,727; Sept. 11; v. 242; p. 350.
- Ditch-filling machine. E. W. Cardwell. No. 1,244,290; Oct. 23; v. 243; p. 989.
- Ditches, Bank-support for. F. E. Bager. No. 1,234,716; July 31; v. 240; p. 1177.
- Ditcher. J. B. Hamilton. No. 1,233,874; July 17; v. 240; p. 836.
- Ditching and grading machine. T. Gilbertson. No. 1,244,319; Oct. 23; v. 243; p. 998.
- Ditching-machine. O. Crosby. No. 1,249,035; Dec. 4; v. 245; p. 176.
- Ditching-machine. F. H. Gerdeman. No. 1,222,754; Apr. 17; v. 237; p. 687.
- Ditching-machine. W. W. Hartsough. No. 1,225,327; May 8; v. 238; p. 473.
- Ditching-machine. E. P. Knappe. No. 1,243,306; Oct. 16; v. 243; p. 666.
- Ditching-machine. B. M. Rolph. No. 1,241,661; Oct. 2; v. 243; p. 62.
- Ditching-machine. C. Warren. No. 1,239,650; Sept. 11; v. 242; p. 324.
- Divan and bed, Combined. J. P. Sandell. No. 1,228,604; June 5; v. 239; p. 78.
- Divers' armor with flexed members, Submersion control for. G. Stolle. No. 1,245,058; Oct. 30; v. 243; p. 1258.
- Diving and excavating apparatus. D. T. Deemer. No. 1,228,300; May 29; v. 238; p. 1582.
- Diving and skimming device, Surf. J. P. McCarty and F. W. Falck. No. 1,222,114; Apr. 10; v. 237; p. 419.
- Diving apparatus. A. Papanastasiou. No. 1,223,515; Apr. 24; v. 237; p. 982.
- Diving apparatus, Coaster-. J. F. Burke. No. 1,230,559; June 19; v. 239; p. 817.
- Diving-dress. F. W. Walters. No. 1,226,148; May 15; v. 238; p. 794.
- Dividers. P. A. Westlin. No. 1,250,259; Dec. 18; v. 245; p. 601.
- Dock construction. J. W. Ripley. No. 1,227,670; May 29; v. 238; p. 1371.
- Dock construction. M. M. Upson. No. 1,247,750; Nov. 27; v. 244; p. 869.
- Dock, Ore-. E. W. Summers. No. 1,232,119; July 3; v. 240; p. 198.
- Document-holder. G. E. Swartz. No. 1,247,033; Nov. 20; v. 244; p. 629.
- Doll. E. W. Calvert. No. 1,249,322; Dec. 11; v. 245; p. 290.
- Doll. C. H. Downey. No. 1,221,157; Apr. 3; v. 237; p. 54.
- Doll. A. Morse. No. 1,212,093; Jan. 9; v. 234; p. 622.
- Door. A. N. Olsen. No. 1,248,426; Nov. 27; v. 244; p. 1059.
- Doll. F. B. Schultz. No. 1,232,856; July 10; v. 240; p. 470.
- Doll. W. A. Trost. No. 1,244,799; Oct. 30; v. 243; p. 1180.
- Doll, Articulated. E. P. Nicholson. No. 1,212,099; Jan. 9; v. 234; p. 623.
- Doll, Dancing. J. Kershaw. No. 1,238,786; Sept. 4; v. 242; p. 20.
- Doll-house, Sectional or knockdown. M. Williams. No. 1,241,594; Oct. 2; v. 243; p. 42.
- Doll, Mechanical. W. A. Fusch. No. 1,243,152; Oct. 16; v. 243; p. 608.
- Doll, Talking. B. E. Lloyd. No. 1,229,102; June 5; v. 239; p. 244.
- Doll, Tumbling. J. Gowdey. No. 1,214,454; Jan. 30; v. 234; p. 1536.
- Doll, Walking. H. H. Coleman. No. 1,221,970; Apr. 10; v. 237; p. 371.
- Dolls, Eye for. D. Rudlin. No. 1,221,589; Apr. 3; v. 237; p. 206.
- Dolls, Making. G. E. Russell. No. 1,250,025; Dec. 11; v. 245; p. 492.
- Domestic implement. P. A. Ryzek. No. 1,248,023; Dec. 4; v. 245; p. 145.
- Domestic press. L. H. Taylor. No. 1,223,642; Apr. 24; v. 237; p. 1026.
- Domino and chart device for seat work in numbers, Combination. S. Eberhart. No. 1,228,889; June 5; v. 239; p. 175.
- Door. B. Gooch. No. 1,216,984; Feb. 20; v. 235; p. 965.
- Door. G. Saitos. No. 1,221,478; Apr. 3; v. 237; p. 167.
- Door. E. W. Walsh. No. 1,212,591; Jan. 16; v. 234; p. 830.
- Door-actuating mechanism. F. A. Lester. No. 1,242,001; Oct. 2; v. 243; p. 170.
- Door, Adjustable screen-. S. A. Nelson. No. 1,235,152; July 31; v. 240; p. 1310.
- Door and gate, Hog. P. C. James. No. 1,220,636; Mar. 27; v. 236; p. 1063.
- Door and glazing retainer. E. A. Hawthorne. No. 1,215,274; Feb. 6; v. 235; p. 276.
- Door and lock mechanism therefor, Metallic. E. G. Budd. No. 1,214,892; Feb. 6; v. 235; p. 142.
- Door and merchandise-brace, Combined grain-. J. M. Daly. No. 1,247,230; Nov. 20; v. 244; p. 686.
- Door and window lock. B. E. Taylor. No. 1,246,349; Nov. 13; v. 244; p. 391.
- Door and window lock. B. E. Taylor. No. 1,246,350; Nov. 13; v. 244; p. 391.
- Door and window screen. O. V. Anderson. No. 1,227,734; May 29; v. 238; p. 1393.
- Door-attaching means, Silo-. J. H. Schlafly. No. 1,231,948; July 3; v. 240; p. 138.
- Door attachment. C. F. Herbolzheimer. No. 1,240,846; Sept. 25; v. 242; p. 770.
- Door attachment. E. Ringuette. No. 1,244,644; Oct. 30; v. 243; p. 1133.
- Door attachment. E. Wiley. No. 1,241,458; Sept. 25; v. 242; p. 960.
- Door attachment, Loft-. H. P. Peters. No. 1,237,377; Aug. 21; v. 241; p. 665.
- Door attachment, Screen-. C. M. Deicke. No. 1,221,700; Apr. 3; v. 237; p. 243.
- Door, Automatic. F. J. Le Beau. No. 1,245,743; Nov. 6; v. 244; p. 181.
- Door, Automatic garage-. J. J. Sabin. No. 1,246,790; Nov. 13; v. 244; p. 522.
- Door bolt, Double-. L. G. Keyes. No. 1,241,991; Oct. 2; v. 243; p. 167.
- Door-bracing device. C. G. Filzer. No. 1,239,582; Sept. 11; v. 242; p. 303.
- Door-buffer. S. B. Atwood. No. 1,226,442; May 15; v. 238; p. 893.
- Door-buffer. A. S. Newton. No. 1,211,480; Jan. 9; v. 234; p. 411.
- Door-buffer. D. F. Oliver. No. 1,221,580; Apr. 3; v. 237; p. 203.
- Door-buffer. F. J. Parish. No. 1,233,116; July 10; v. 240; p. 554.
- Door buffer and retainer. A. O. A. Neiman. No. 1,220,673; Mar. 27; v. 236; p. 1075.
- Door-bumper. J. T. Allmand. No. 1,239,441; Sept. 11; v. 242; p. 259.
- Door bumper and retainer. E. R. Mitchell. No. 1,212,663; Jan. 16; v. 234; p. 857.
- Door, Cabinet service-. F. J. Matchette. No. 1,222,964; Apr. 17; v. 237; p. 759.
- Door-canopy. J. C. Riggs. No. 1,221,595; Apr. 3; v. 237; p. 207.
- Door-cap fixture. C. A. Johnson. No. 1,233,274; July 10; v. 240; p. 604.
- Door-catch. C. Isakson. No. 1,224,382; May 1; v. 238; p. 96.
- Door-catch-operating mechanism. G. F. Lovdall. No. 1,218,789; Mar. 13; v. 236; p. 352.
- Door-check. O. L. Askerberg. No. 1,237,602; Aug. 21; v. 241; p. 737.
- Door-check. G. E. Carter. No. 1,211,374; Jan. 2; v. 234; p. 340.
- Door-check. F. P. Fairbanks. No. 1,217,731; Feb. 27; v. 235; p. 1270.
- Door-check. C. Fernandez. No. 1,249,363; Dec. 11; v. 245; p. 301.
- Door-check. J. A. Levy. No. 1,232,818; July 10; v. 240; p. 458.
- Door-check. E. H. MacKinlay. No. 1,218,197; Mar. 6; v. 236; p. 107.
- Door-check. W. S. McGuire. No. 1,218,434; Mar. 6; v. 236; p. 190.
- Door-check. R. E. J. Nordquist. No. 1,239,510; Sept. 11; v. 242; p. 280.
- Door-check. L. C. Norton. No. 1,211,337; Jan. 2; v. 234; p. 329.
- Door-check. C. T. Rogers. No. 1,226,258; May 15; v. 238; p. 834.
- Door-check. W. Sheppard. No. 1,214,230; Jan. 30; v. 234; p. 1459.
- Door-check. H. T. Smith. No. 1,220,469; Mar. 27; v. 236; p. 1006.
- Door-check. E. M. Winfrey and J. J. Pike. No. 1,247,774; Nov. 27; v. 244; p. 877.
- Door check and closer. W. Bardsley. No. 1,250,542; Dec. 18; v. 245; p. 686.
- Door check and closer. J. Hoferle. No. 1,247,274; Nov. 20; v. 244; p. 698.
- Door check and closer. R. S. Potter and P. Mikkelsen. No. 1,240,778; Sept. 18; v. 242; p. 714.
- Door check or closer. P. Quentin. No. 1,249,190; Dec. 4; v. 245; p. 220.
- Door-closer. W. J. Keene. No. 1,243,947; Oct. 23; v. 243; p. 885.
- Door-closer. A. T. Loftsgaarden. No. 1,223,408; Apr. 24; v. 237; p. 942.
- Door-closer. A. T. Loftsgaarden. No. 1,244,621; Oct. 30; v. 243; p. 1126.
- Door-closer, Spring. W. G. Just. No. 1,247,687; Nov. 27; v. 244; p. 849.

Alphabetical list of inventions—Continued.

- Door-closers, Mounting for. O. C. Rixson. No. 1,218,471; Mar. 6; v. 236; p. 201.
- Door-closing device. E. H. Collins. No. 1,217,414; Feb. 27; v. 235; p. 1157.
- Door-closing mechanism. C. Forth. No. 1,225,322; May 8; v. 238; p. 472.
- Door-closing mechanism. C. Forth. No. 1,228,012; May 29; v. 238; p. 1488.
- Door, Collapsible revolving. T. Van Kannel. (Reissue.) No. 14,255; Feb. 6; v. 235; p. 294.
- Door controlling and signaling system. M. M. Huebsch. No. 1,217,180; Feb. 27; v. 235; p. 1077.
- Door-controlling device. A. C. Dunn. No. 1,244,594; Oct. 30; v. 243; p. 1119.
- Door-controlling mechanism. B. W. Gair. No. 1,214,535; Feb. 6; v. 235; p. 19.
- Door, Counterweighted sectional. C. C. Tomkinson. No. 1,248,755; Dec. 4; v. 245; p. 97.
- Door, Counterweighted sectional. C. C. Tomkinson. No. 1,248,756; Dec. 4; v. 245; p. 98.
- Door. Electrically-operated. J. C. Reynolds. No. 1,222,136; Apr. 10; v. 237; p. 427.
- Door-fastener. L. Bruder. No. 1,241,192; Sept. 25; v. 242; p. 877.
- Door-fastener. H. L. Ferris. No. 1,250,574; Dec. 18; v. 245; p. 696.
- Door-fastener. H. V. Jungst and H. G. Kennedy. No. 1,211,711; Jan. 9; v. 234; p. 489.
- Door-fastener. J. E. Montgomery. No. 1,248,373; Nov. 27; v. 244; p. 1045.
- Door-fastener. J. Price. No. 1,250,653; Dec. 18; v. 245; p. 718.
- Door-fastener. P. Vogel and H. Schutte. No. 1,227,708; May 29; v. 238; p. 1384.
- Door fastener, Sliding. E. P. Calkins. No. 1,216,414; Feb. 20; v. 235; p. 771.
- Door fastener, Sliding. J. F. Cawl. No. 1,216,286; Feb. 20; v. 235; p. 725.
- Door fastener, Sliding. L. P. Hynes. No. 1,223,389; Apr. 24; v. 237; p. 935.
- Door fastener, Sliding. L. T. Kenny. No. 1,230,722; June 19; v. 239; p. 870.
- Door fastener, Sterilizer. J. M. Liptay. No. 1,212,372; Jan. 16; v. 234; p. 752.
- Door-fastening device. J. B. Hall. No. 1,234,158; July 24; v. 240; p. 964.
- Door-fastening device. C. E. Walraven. No. 1,215,752; Feb. 13; v. 235; p. 481.
- Door-fastening means. E. J. Shur. No. 1,243,115; Oct. 16; v. 243; p. 598.
- Door for shelving. J. B. O'Connor. No. 1,223,897; Apr. 24; v. 237; p. 1116.
- Door-frame, Sheet-metal. H. R. Straight. No. 1,231,091; June 26; v. 239; p. 1035.
- Door, Grain-. J. N. Gingras. No. 1,211,309; Jan. 2; v. 234; p. 320.
- Door, Grain-. W. M. Insko. No. 1,229,085; June 5; v. 239; p. 238.
- Door, Grain-. W. T. Linn. No. 1,229,985; June 12; v. 239; p. 588.
- Door-guard. T. Farner, Jr. No. 1,247,653; Nov. 27; v. 244; p. 839.
- Door handle and lock. B. E. Porter. No. 1,236,979; Aug. 14; v. 241; p. 500.
- Door-hanger. C. R. Crowell. No. 1,214,762; Feb. 6; v. 235; p. 98.
- Door-hanger. W. A. Davis. No. 1,223,856; Apr. 24; v. 237; p. 1101.
- Door-hanger. F. K. Fassett. No. 1,234,889; July 31; v. 240; p. 1229.
- Door-hanger. W. D. Ferris. No. 1,243,499; Oct. 16; v. 243; p. 713.
- Door-hanger. O. Hager. No. 1,245,709; Nov. 6; v. 244; p. 172.
- Door-hanger. G. J. Hanson. No. 1,242,798; Oct. 9; v. 243; p. 463.
- Door-hanger. O. Illi. No. 1,234,032; July 17; v. 240; p. 887.
- Door-hanger. A. F. Larson. No. 1,219,826; Mar. 20; v. 236; p. 741.
- Door-hanger. H. Lewson. No. 1,222,876; Apr. 17; v. 237; p. 730.
- Door-hanger. J. L. Kail. No. 1,232,563; July 10; v. 240; p. 374.
- Door-hanger. F. A. Lester. No. 1,232,577; July 10; v. 240; p. 378.
- Door-hanger. R. C. McIntosh. No. 1,226,548; May 15; v. 238; p. 927.
- Door-hanger. R. Pitt. No. 1,229,653; June 12; v. 239; p. 481.
- Door-hanger. E. Posson. No. 1,249,664; Dec. 11; v. 245; p. 387.
- Door-hanger. G. F. Voight. No. 1,223,451; Apr. 24; v. 237; p. 956.
- Door-hanger and the like. G. E. Sternbergh. No. 1,219,601; Mar. 20; v. 236; p. 662.
- Door-hanger guide. O. C. Rixson. No. 1,223,112; Apr. 17; v. 237; p. 810.
- Door-hanger guide. O. C. Rixson. No. 1,234,805; July 31; v. 240; p. 1203.
- Door-hanger track. H. J. Ferris. No. 1,235,453; July 31; v. 240; p. 1400.
- Door-holder. C. E. Drake. No. 1,241,099; Sept. 25; v. 242; p. 848.
- Door-holder. J. F. Golding. No. 1,221,528; Apr. 3; v. 237; p. 185.
- Door-holder. C. A. Haas. No. 1,237,030; Aug. 14; v. 241; p. 518.
- Door-holder. J. McCormick. No. 1,236,728; Aug. 14; v. 241; p. 420.
- Door-holder. H. J. Moore. No. 1,238,042; Aug. 21; v. 241; p. 876.
- Door-holder. J. Nemece. No. 1,241,478; Sept. 25; v. 242; p. 966.
- Door-holder device. C. R. Swaim. No. 1,225,285; May 8; v. 238; p. 457.
- Door-joint construction. A. H. Schaffert. No. 1,231,069; June 26; v. 239; p. 1027.
- Door-lock. F. Amato. No. 1,240,403; Sept. 18; v. 242; p. 599.
- Door-lock. C. M. Anderson. No. 1,216,765; Feb. 20; v. 235; p. 892.
- Door-lock. F. Davis. No. 1,239,360; Sept. 4; v. 242; p. 205.
- Door-lock. G. R. Dubé. No. 1,221,703; Apr. 3; v. 237; p. 243.
- Door-lock. H. Dunderdale. No. 1,250,815; Dec. 18; v. 245; p. 768.
- Door-lock. S. G. Gerlach. No. 1,236,287; Aug. 7; v. 241; p. 243.
- Door-lock. H. Kollmeyer. No. 1,215,286; Feb. 6; v. 235; p. 280.
- Door-lock. W. A. Lurie. No. 1,243,433; Oct. 16; v. 243; p. 693.
- Door-lock. W. D. Lutz. No. 1,248,516; Dec. 4; v. 245; p. 25.
- Door-lock. D. McKay. No. 1,215,686; Feb. 13; v. 235; p. 460.
- Door-lock. W. H. Mozingo. No. 1,245,367; Nov. 6; v. 244; p. 67.
- Door-lock. C. A. Painter, Jr., and J. P. McKinney, Jr. No. 1,215,843; Feb. 13; v. 235; p. 515.
- Door-lock. H. Rein. No. 1,215,992; Feb. 13; v. 235; p. 568.
- Door-lock. H. Rein and J. R. Combs. No. 1,223,110; Apr. 17; v. 237; p. 809.
- Door, &c., lock. C. Rizzo. No. 1,210,695; Jan. 2; v. 234; p. 110.
- Door-lock. J. Sokolov. No. 1,227,684; May 29; v. 238; p. 1376.
- Door-lock. B. E. Taylor. No. 1,246,347; Nov. 13; v. 244; p. 390.
- Door-lock. L. E. Taylor. No. 1,246,348; Nov. 13; v. 244; p. 390.
- Door-lock. C. Traut and W. B. Coleman. No. 1,248,952; Dec. 4; v. 245; p. 153.
- Door-lock, Antirattler. C. J. Hagstrom. No. 1,222,396; Apr. 10; v. 237; p. 520.
- Door lock, Barn-. W. Kelloniemi. No. 1,238,152; Aug. 28; v. 241; p. 945.
- Door-lock, Combination. G. D. Carr. No. 1,242,140; Oct. 9; v. 243; p. 254.
- Door lock, Hopper-. W. T. Manning. No. 1,229,997; June 12; v. 239; p. 592.
- Door-lock, Indicating. N. Weyer. No. 1,216,899; Feb. 20; v. 235; p. 936.
- Door lock mechanism, Sliding. F. M. Brinckerhoff. No. 1,229,709; June 12; v. 239; p. 499.
- Door-lock, Safety. J. Kish. No. 1,243,952; Oct. 23; v. 243; p. 887.
- Door-lock, Self-locking. J. W. Lindberg. No. 1,244,872; Oct. 30; v. 243; p. 1202.
- Door lock, Silo-. L. R. Abercrombie. No. 1,229,851; June 12; v. 239; p. 547.
- Door lock, Sliding. J. Pearson. No. 1,243,548; Oct. 16; v. 243; p. 727.
- Door lock, Trap-. L. F. McNally. No. 1,210,661; Jan. 2; v. 234; p. 99.
- Door locking and operating mechanism. A. J. B. Harris and R. S. Humburch. No. 1,232,302; July 3; v. 240; p. 256.
- Door locking and releasing mechanism. G. B. Dorey. No. 1,214,285; Jan. 30; v. 234; p. 1480.
- Door-locking device. P. F. Foley. No. 1,217,586; Feb. 27; v. 235; p. 1221.
- Door-locking device, Automatic. J. and H. Von Frieling. No. 1,221,635; Apr. 3; v. 237; p. 220.
- Door-locking device, Sliding. A. E. Miles. No. 1,223,713; Apr. 24; v. 237; p. 1051.
- Door, Metallic. A. B. Walther. No. 1,242,283; Oct. 9; v. 243; p. 299.
- Door mounting, Sliding. P. Gagnon. No. 1,223,954; Apr. 24; v. 237; p. 1135.
- Door-opener. D. W. Smith. No. 1,244,910; Oct. 30; v. 243; p. 1214.
- Door opener and check. G. B. Clay. No. 1,228,407; June 5; v. 239; p. 11.
- Door-opener and closer, Sliding-. S. R. Strom and C. W. Mourer. No. 1,241,300; Sept. 25; v. 242; p. 914.
- Door opening and closing device. C. Flint. No. 1,219,716; Mar. 20; v. 236; p. 703.
- Door opening and closing device. F. W. Harris. No. 1,213,867; Jan. 30; v. 234; p. 1335.
- Door opening and closing device. L. T. Weiss and H. F. Franklin. No. 1,212,296; Jan. 16; v. 234; p. 727.
- Door opening and closing device, Automatic. L. Ives. No. 1,246,101; Nov. 13; v. 244; p. 316.

- Door-opening device. L. H. Mark. No. 1,248,364; Nov. 27; v. 244; p. 1042.
- Door-opening device. W. R. Ramey. No. 1,218,897; Mar. 13; v. 236; p. 391.
- Door-opening mechanism. F. E. Burris. No. 1,232,213; July 3; v. 240; p. 227.
- Door operating and controlling means for garages, Automatic. J. T. Berthelote. No. 1,244,283; Oct. 23; v. 243; p. 987.
- Door operating and locking means. R. J. Freeman. No. 1,212,043; Jan. 9; v. 234; p. 607.
- Door-operating device. A. Miller. No. 1,210,514; Jan. 2; v. 234; p. 47.
- Door-operating device. A. H. Otis. No. 1,215,573; Jan. 13; v. 235; p. 418.
- Door-operating device. S. E. Perkins. No. 1,247,322; Nov. 20; v. 244; p. 712.
- Door-operating device, Sliding. L. T. Weiss. No. 1,217,249; Feb. 27; v. 235; p. 1100.
- Door-operating devices, Motor for fluid-pressure. A. Gottschalk. No. 1,230,070; June 12; v. 239; p. 616.
- Door-operating means. J. E. Mutchler. No. 1,246,306; Nov. 13; v. 244; p. 378.
- Door-operating mechanism. A. R. Boxall. No. 1,238,740; Sept. 4; v. 242; p. 6.
- Door-operating mechanism. F. L. Chapman, Jr. No. 1,247,504; Nov. 20; v. 244; p. 764.
- Door-operating mechanism. J. W. Gotobed and R. F. Forward. No. 1,216,439; Feb. 20; v. 235; p. 780.
- Door-operating mechanism. O. C. Johnson. No. 1,234,341; July 24; v. 240; p. 1023.
- Door-operating mechanism. G. B. Kohler. No. 1,222,772; Apr. 17; v. 237; p. 693.
- Door-operating mechanism. A. B. Stewart. No. 1,245,631; Nov. 6; v. 244; p. 149.
- Door-operating mechanism. H. C. Umpleby. No. 1,222,820; Apr. 17; v. 237; p. 710.
- Door-operating mechanism. F. D. Ward. No. 1,247,603; Nov. 20; v. 244; p. 791.
- Door-operating mechanism. A. E. Zimmer. No. 1,236,527; Aug. 14; v. 241; p. 353.
- Door-operating mechanism, Discharge. G. W. Ristine, Jr. No. 1,225,176; May 8; v. 238; p. 421.
- Door-operating mechanism, Electrically-controlled. M. G. Benjamin. No. 1,235,639; Aug. 7; v. 241; p. 36.
- Door-operating mechanism, Vehicle-controlled. J. M. Mirau. No. 1,216,345; Feb. 20; v. 235; p. 745.
- Door-operator. D. L. Gallup. No. 1,211,308; Jan. 2; v. 234; p. 320.
- Door-operator. L. L. Shockley. No. 1,228,143; May 29; v. 238; p. 1531.
- Door or window operating device. F. Kapprel. No. 1,237,650; Aug. 21; v. 241; p. 753.
- Door, Screen. R. J. Sinnott. No. 1,210,553; Jan. 2; v. 234; p. 61.
- Door-screen, Adjustable. P. F. Guie and J. S. Long. No. 1,229,744; June 12; v. 239; p. 510.
- Door seal and lock, Grain-. R. W. Burnett. No. 1,250,137; Dec. 18; v. 245; p. 564.
- Door-securer. D. P. Daugherty. No. 1,220,499; Mar. 27; v. 236; p. 1016.
- Door-securer. R. A. Macbeth. No. 1,239,802; Sept. 11; v. 242; p. 374.
- Door-securing device. J. P. Mackay. No. 1,243,618; Oct. 16; v. 243; p. 749.
- Door-securing mechanism. E. E. Gage. No. 1,225,427; May 8; v. 238; p. 508.
- Door, Service-. F. J. Matchette. No. 1,222,963; Apr. 17; v. 237; p. 758.
- Door, Sheet-metal. O. M. Otte. No. 1,227,066; May 22; v. 238; p. 1141.
- Door, Sheet-metal. O. M. Otte. No. 1,249,814; Dec. 11; v. 245; p. 432.
- Door, Slide-up turnover. F. W. Boughton. No. 1,215,202; Feb. 13; v. 235; p. 643.
- Door, Sliding. L. Janse. No. 1,223,697; Apr. 24; v. 237; p. 1047.
- Door, Sliding. W. C. Toll. No. 1,220,910; Mar. 27; v. 236; p. 1154.
- Door, Sliding. A. W. Wheeler. No. 1,237,731; Aug. 21; v. 241; p. 779.
- Door, Sliding hay-. T. J. Simons. No. 1,223,528; Apr. 24; v. 237; p. 986.
- Door-spring. O. Katzenberger. No. 1,249,111; Dec. 4; v. 245; p. 197.
- Door-spring. J. Klasnich. No. 1,224,755; May 1; v. 238; p. 227.
- Door-stop. F. H. Chase. No. 1,232,000; July 3; v. 240; p. 155.
- Door, Storm-. B. H. Gedge. No. 1,230,148; June 19; v. 239; p. 679.
- Door structure, Folding-. N. A. Palmer. No. 1,246,314; Nov. 13; v. 244; p. 380.
- Door structure, Sliding-. E. C. Pitcher. No. 1,221,766; Apr. 3; v. 237; p. 265.
- Door support, Sliding-. L. V. Duke. No. 1,240,832; Sept. 25; v. 242; p. 765.
- Door, Turnover. A. T. Prescott. No. 1,213,945; Jan. 30; Gaz. vol. 234; p. 1362.
- Doors and the like, Guard for. H. L. and S. A. Agee. No. 1,215,462; Feb. 13; v. 235; p. 375.
- Doors, Bearing member for iron. B. Wexler. No. 1,237,430; Aug. 21; v. 241; p. 682.
- Doors, Electrical operating means for. J. R. Kaiserman. No. 1,249,110; Dec. 4; v. 245; p. 196.
- Doors for garages, &c., Device for opening and closing. L. F. Alsworth. No. 1,225,205; May 8; v. 238; p. 430.
- Doors, Lock mechanism for cell-. J. E. Van Dorn and J. T. Whitehouse. No. 1,222,821; Apr. 17; v. 237; p. 710.
- Doors, Lock mechanism for sliding. F. M. Brinkerhoff. (Reissue.) No. 14,379; Oct. 23; v. 243; p. 1037.
- Doors, Means for suspending sliding. E. J. G. Phillips. No. 1,213,249; Jan. 23; v. 234; p. 1092.
- Doors, Safety mechanism for power-operated. H. F. Parish. No. 1,217,053; Feb. 20; v. 235; p. 988.
- Doors, Track for sliding. D. D. Miller. No. 1,216,591; Feb. 20; v. 235; p. 833.
- Dosing device for animals. G. H. French. No. 1,241,952; Oct. 2; v. 243; p. 154.
- Dot-and-dash device. R. T. Englebrecht. No. 1,246,405; Nov. 13; v. 244; p. 408.
- Double-headed nail. W. A. Collings. No. 1,242,924; Oct. 16; v. 243; p. 537.
- Double-heading device. F. H. Parke. No. 1,219,581; Mar. 20; v. 236; p. 656.
- Doubletree-coupling. E. H. Decker. No. 1,228,886; June 5; v. 239; p. 174.
- Doubletree-support. W. B. Bisher. No. 1,210,890; Jan. 2; v. 234; p. 176.
- Dough and batter, Leavening. A. M. Hamblet. No. 1,236,428; Aug. 14; v. 241; p. 320.
- Dough and the like, Apparatus for proving. G. S. Baker and J. Cramb. No. 1,250,125; Dec. 18; v. 245; p. 560.
- Dough and the like molding machine. L. C. Reese. No. 1,226,248; May 15; v. 238; p. 828.
- Dough and the like molding machine. L. C. Reese. No. 1,226,249; May 15; v. 238; p. 829.
- Dough and the like molding machine. L. C. Reese. No. 1,226,250; May 15; v. 238; p. 830.
- Dough and the like molding machine. L. C. Reese. No. 1,226,251; May 15; v. 238; p. 831.
- Dough-board. E. I. Fletcher. No. 1,212,040; Jan. 9; v. 234; p. 606.
- Dough-board and biscuit-cutter, Folding. R. L. Bower. No. 1,228,288; May 29; v. 238; p. 1578.
- Dough-boards and similar articles, Construction for. L. S. Chadwick. No. 1,233,184; July 10; v. 240; p. 577.
- Dough by germination in salt solution, Making. C. Bonafede. No. 1,235,420; July 31; v. 240; p. 1391.
- Dough-cutting and similar machines, Scrap-separating apparatus for. J. Carr and G. S. Baker. No. 1,224,600; May 1; v. 238; p. 173.
- Dough-cutting machine. J. Demovitsch. No. 1,226,642; May 22; v. 238; p. 996.
- Dough-divider. W. G. Kirchhoff. No. 1,217,778; Feb. 27; v. 235; p. 1286.
- Dough-divider hoppers, Dough-chute for. C. H. Heilig. No. 1,219,737; Mar. 20; v. 236; p. 709.
- Dough dividing and measuring machine. D. McErlane. No. 1,231,396; June 26; v. 239; p. 1135.
- Dough-dividing machine. P. S. Ward. No. 1,229,188; June 5; v. 239; p. 273.
- Dough, Fermenting straight. J. Kaeppler. No. 1,251,044; Dec. 25; v. 245; p. 885.
- Dough for biscuits or like products, Producing continuous sheets of. E. E. Lawrence. No. 1,210,496; Jan. 2; v. 234; p. 41.
- Dough-leavening composition. A. M. Hamblet. No. 1,213,357; Jan. 23; v. 234; p. 1132.
- Dough, Machine for rounding up lumps of. F. H. Van Houten. No. 1,244,801; Oct. 30; v. 243; p. 1180.
- Dough, Making. T. G. Blacklock. No. 1,232,758; July 10; v. 240; p. 439.
- Dough-mixing apparatus. E. H. Jackson. No. 1,241,390; Sept. 25; v. 242; p. 939.
- Dough-mixing machine. J. P. Bachman. No. 1,217,082; Feb. 20; v. 235; p. 997.
- Dough-mixing machine. M. J. Podzemski. No. 1,214,585; Feb. 6; v. 235; p. 36.
- Dough-molding machine. F. Streich. No. 1,216,512; Feb. 20; v. 235; p. 805.
- Dough-molding machine. C. A. Thomson. No. 1,242,079; Oct. 2; v. 243; p. 193.
- Dough or flour for bread and bakers' wares, Preparing legumes for the manufacture of. E. Simons. No. 1,225,878; May 15; v. 238; p. 701.
- Dough or flour for bread and bakers' wares, Preparing tubers for manufacture of. E. Simons. No. 1,225,877; May 15; v. 238; p. 701.
- Dough, Preparing bread-. J. H. Kretner. No. 1,235,330; July 31; v. 240; p. 1365.
- Dough-proofing device. M. A. Hamilton. No. 1,214,302; Jan. 30; v. 234; p. 1487.
- Dough-proofing device, Rotary. F. X. and P. Lauterbur. No. 1,248,682; Dec. 4; v. 245; p. 75.
- Dough-raiser. C. F. Hardy. No. 1,249,620; Dec. 11; v. 245; p. 375.
- Dough-rounding-up machine. F. H. Van Houten, Jr. No. 1,236,505; Aug. 14; v. 241; p. 346.
- Dough-shaping machine. F. Aeschbach. No. 1,242,753; Oct. 9; v. 243; p. 449.
- Dough-sheeting machine. O. C. Nubson and J. A. Nubson. No. 1,225,481; May 8; v. 238; p. 525.
- Dough-trough. B. Seelinger. No. 1,246,335; Nov. 13; v. 244; p. 387.

Alphabetical list of inventions—Continued.

- Dowel-pin and mortise-lock. A. B. Smith. No. 1,251,298; Dec. 25; v. 242; p. 482.
- Dowel, Wooden. M. Rüping. No. 1,229,528; June 12; v. 239; p. 439.
- Down-drop sight-feed lubricator. H. W. Strecker. No. 1,221,243; Apr. 3; v. 237; p. 85.
- Down-spout. L. Saman. No. 1,213,910; Jan. 30; v. 234; p. 1350.
- Downdraft-furnace. A. R. Atteberry. No. 1,211,657; Jan. 9; v. 234; p. 472.
- Draft-adjuster. J. A. Lonsdale. No. 1,249,436; Dec. 11; v. 245; p. 321.
- Draft and buffing mechanism. G. H. Forsyth. No. 1,219,717; Mar. 20; v. 236; p. 703.
- Draft and buffing mechanism for railway-cars. F. S. Gallagher. No. 1,218,642; Mar. 13; v. 236; p. 297.
- Draft apparatus. L. T. Olson. No. 1,221,086; Apr. 3; v. 237; p. 29.
- Draft appliance. R. Johnson. No. 1,234,036; July 17; v. 240; p. 888.
- Draft appliance. J. M. Miller. No. 1,224,772; May 1; v. 238; p. 233.
- Draft appliance. C. Orud. No. 1,237,546; Aug. 21; v. 241; p. 719.
- Draft-arm. G. G. Floyd. No. 1,210,448; Jan. 2; v. 234; p. 24.
- Draft-arm and center-sill reinforcement for underframes. R. G. Ellis. No. 1,224,866; May 1; v. 238; p. 265.
- Draft-arm and sill-reinforcement. W. J. Roa. No. 1,224,791; May 1; v. 238; p. 239.
- Draft-arm for railway-cars. G. A. Johnson. No. 1,228,563; June 5; v. 239; p. 64.
- Draft attachment. F. Horak. No. 1,217,178; Feb. 27; v. 235; p. 1077.
- Draft-bar. W. F. Dunn. No. 1,239,367; Sept. 4; v. 242; p. 207.
- Draft, check, money-order, and other negotiable instrument. G. C. Fisher. No. 1,219,634; Mar. 20; v. 236; p. 674.
- Draft-control, Automatic. C. B. Thompson. No. 1,221,008; Mar. 27; v. 236; p. 1187.
- Draft-controlling mechanism. H. O'Neil. No. 1,240,870; Sept. 25; v. 242; p. 777.
- Draft device. O. Jonsson. No. 1,231,373; June 26; v. 239; p. 1128.
- Draft device. H. Nelson. No. 1,223,093; Apr. 17; v. 237; p. 803.
- Draft-equalizer. A. M. Best. No. 1,243,243; Oct. 16; v. 243; p. 636.
- Draft-equalizer. J. P. Butts. No. 1,250,964; Dec. 25; v. 245; p. 861.
- Draft-equalizer. P. O. Kartrude. No. 1,226,975; May 22; v. 238; p. 1111.
- Draft-equalizer. L. Leaver. No. 1,226,541; May 15; v. 238; p. 925.
- Draft-equalizer. A. H. Leavitt. No. 1,214,691; Feb. 6; v. 235; p. 74.
- Draft-equalizer. C. B. Powell. No. 1,241,442; Sept. 25; v. 242; p. 955.
- Draft-gage. A. Steinbart. No. 1,225,883; May 15; v. 238; p. 703.
- Draft-equalizer. J. H. Stickell. No. 1,221,622; Apr. 3; v. 237; p. 216.
- Draft-equalizer. F. C. Warne. No. 1,239,147; Sept. 4; v. 242; p. 138.
- Draft-equalizer. W. Wells. No. 1,212,718; Jan. 16; v. 234; p. 877.
- Draft-excluder. S. J. Smith. No. 1,218,331; Mar. 6; v. 236; p. 155.
- Draft-gear. C. A. Carscadin and G. A. Woodman. No. 1,239,460; Sept. 11; v. 242; p. 265.
- Draft-gear. W. H. Cotton. No. 1,243,389; Oct. 16; v. 243; p. 679.
- Draft-gear. J. F. Courson. No. 1,225,111; May 8; v. 238; p. 400.
- Draft-gear. J. F. Courson. No. 1,237,754; Aug. 21; v. 241; p. 787.
- Draft-gear. J. F. Courson. No. 1,237,755; Aug. 21; v. 241; p. 787.
- Draft-gear. J. F. Courson. No. 1,237,756; Aug. 21; v. 241; p. 787.
- Draft-gear. J. F. Courson. No. 1,237,757; Aug. 21; v. 241; p. 788.
- Draft-gear. J. F. Courson. No. 1,237,758; Aug. 21; v. 241; p. 788.
- Draft-gear. J. F. Courson. No. 1,237,759; Aug. 21; v. 241; p. 788.
- Draft-gear. J. F. Courson. No. 1,247,085; Nov. 20; v. 244; p. 644.
- Draft-gear. R. L. McIntosh and R. G. Taylor. No. 1,243,085; Oct. 16; v. 243; p. 591.
- Draft-gear. J. F. O'Connor. No. 1,220,264; Mar. 27; v. 236; p. 932.
- Draft-gear. J. F. O'Connor. No. 1,228,591; June 5; v. 239; p. 74.
- Draft-gear. H. H. Priebe. No. 1,248,398; Nov. 27; v. 244; p. 1051.
- Draft-gear. H. C. Priebe. No. 1,248,399; Nov. 27; v. 244; p. 1051.
- Draft-gear. H. C. Priebe. No. 1,248,400; Nov. 27; v. 244; p. 1051.
- Draft-gear. W. F. Richards. No. 1,236,872; Aug. 14; v. 241; p. 465.
- Draft-gear. H. E. Van Dorn. No. 1,218,722; Mar. 13; v. 236; p. 326.
- Draft-gear attachment. G. C. Murray. No. 1,224,312; May 1; v. 238; p. 71.
- Draft-gear attachment. E. W. Newell. No. 1,232,594; July 10; v. 240; p. 383.
- Draft-gear carrier. J. Allison. No. 1,214,111; Jan. 30; v. 234; p. 1419.
- Draft-gear, Emergency. I. S. Downing. No. 1,228,005; May 29; v. 238; p. 1486.
- Draft-gear for locomotives. J. F. O'Connor. No. 1,250,493; Dec. 18; v. 245; p. 671.
- Draft-gear, Friction. J. R. Cardwell. No. 1,243,256; Oct. 16; v. 243; p. 639.
- Draft-gear, Friction. J. R. Mitchell. No. 1,223,820; Apr. 24; v. 237; p. 1090.
- Draft-gear, Friction. E. W. Newell. No. 1,219,579; Mar. 20; v. 236; p. 655.
- Draft-gear, Friction. E. W. Newell. No. 1,232,595; July 10; v. 240; p. 383.
- Draft-gear, Friction. E. W. Newell. No. 1,243,756; Oct. 23; v. 243; p. 827.
- Draft-gear, Friction. G. W. Ramsey. No. 1,230,327; June 19; v. 239; p. 740.
- Draft-gear, Friction. C. W. Sherman. No. 1,241,156; Sept. 25; v. 242; p. 866.
- Draft-gear-supporting means. C. H. McCaun. No. 1,249,792; Dec. 11; v. 245; p. 426.
- Draft-gearing. F. L. O. Wadsworth. No. 1,222,582; Apr. 10; v. 237; p. 587.
- Draft indicating and recording gage. A. F. Wilson. No. 1,236,524; Aug. 14; v. 241; p. 352.
- Draft-indicator. J. Maher. No. 1,227,285; May 22; v. 238; p. 1214.
- Draft-indicator. J. Maher. No. 1,227,286; May 22; v. 238; p. 1215.
- Draft-plate. C. J. Nash. No. 1,211,616; Jan. 9; v. 234; p. 458.
- Draft-regulating appliance. O. J. Pfeiffer. No. 1,210,529; Jan. 2; v. 234; p. 52.
- Draft-regulating device for chain grates. A. L. F. Léfevre. No. 1,213,661; Jan. 23; v. 234; p. 1235.
- Draft-regulating device, Time-controlled. C. H. Carroll. No. 1,231,706; July 3; v. 240; p. 57.
- Draft-regulator. A. B. Ferdinand. No. 1,218,990; Mar. 13; v. 236; p. 422.
- Draft-regulator. W. J. Moreland. No. 1,246,770; Nov. 13; v. 244; p. 516.
- Draft-regulator and spark-arrester. J. H. Stannard. No. 1,245,284; Nov. 6; v. 244; p. 42.
- Draft-releasing device. P. Jensen. No. 1,227,446; May 22; v. 238; p. 1265.
- Draft-rigging. W. P. Bettendorf. No. 1,223,755; Apr. 24; v. 237; p. 1067.
- Draft-rigging. P. Brown. No. 1,232,651; July 10; v. 240; p. 402.
- Draft-rigging. M. B. Giberson. No. 1,235,023; July 31; v. 240; p. 1273.
- Draft-rigging. G. Q. Lewis. No. 1,228,573; June 5; v. 239; p. 68.
- Draft-rigging. S. G. McAlister. No. 1,213,924; Jan. 30; v. 234; p. 1355.
- Draft-rigging. E. F. Mechlin. No. 1,250,481; Dec. 18; v. 245; p. 667.
- Draft-rigging. E. W. Newell. No. 1,245,260; Nov. 6; v. 244; p. 35.
- Draft-rigging. J. F. O'Connor. No. 1,228,234; May 29; v. 238; p. 1561.
- Draft-rigging. A. H. Weston. No. 1,234,988; July 31; v. 240; p. 1262.
- Draft-rigging. J. Willison. No. 1,215,315; Feb. 6; v. 235; p. 290.
- Draft-rigging and buffer mechanism. S. J. Strid. No. 1,219,604; Mar. 20; v. 236; p. 663.
- Draft-rigging, Draw-bar and draft-yoke connecting means in railway-car. J. F. O'Connor. No. 1,220,536; Mar. 27; v. 236; p. 1029.
- Draft-rigging draw-bars and yokes, Connection for. J. F. O'Connor. No. 1,228,590; June 5; v. 239; p. 73.
- Draft-rigging for cars. G. Q. Lewis. No. 1,228,572; June 5; v. 239; p. 68.
- Draft-rigging for railway-cars. C. E. Dath. No. 1,222,080; Apr. 10; v. 237; p. 407.
- Draft-rigging for railway-cars. R. D. Gallagher, Jr. No. 1,215,644; Feb. 13; v. 235; p. 444.
- Draft-rigging for railway-cars. R. D. Gallagher, Jr. No. 1,231,248; June 26; v. 239; p. 1087.
- Draft-rigging for railway-cars. J. Harris. No. 1,223,870; Apr. 24; v. 237; p. 1107.
- Draft-rigging for railway-cars. B. W. Kadel. No. 1,228,216; May 29; v. 238; p. 1554.
- Draft-rigging for railway-cars. W. H. Miner. No. 1,222,118; Apr. 10; v. 237; p. 921.
- Draft-rigging for railway-cars. J. F. O'Connor. No. 1,225,162; May 8; v. 238; p. 416.
- Draft-rigging for railway-cars. J. F. O'Connor. No. 1,225,675; May 8; v. 238; p. 590.
- Draft-rigging for railway-cars. J. F. O'Connor. No. 1,228,235; May 29; v. 238; p. 1561.
- Draft-rigging for railway-cars. J. F. O'Connor. No. 1,231,053; June 26; v. 239; p. 1022.
- Draft-rigging, Friction. C. L. Bundy and J. J. Acker. No. 1,210,413; Jan. 2; v. 234; p. 11.

- Draft-rigging, Friction draft-gear for railway. W. H. Miner. No. 1,250,616; Dec. 18; v. 245; p. 708.
- Draft-rigging, Friction spring unit for. J. F. O'Connor. No. 1,226,244; May 15; v. 238; p. 827.
- Draft-rigging, High-capacity friction spring. G. A. Johnson. No. 1,225,715; May 8; v. 238; p. 603.
- Draft-rigging, Railway. H. A. Hoke. No. 1,213,196; Jan. 23; v. 234; p. 1073.
- Draft-rigging, Railway. G. Q. Lewis. No. 1,232,341; July 3; v. 240; p. 268.
- Draft-rigging, Railway. J. F. O'Connor. No. 1,223,823; Apr. 24; v. 237; p. 1091.
- Draft-rigging, Railway. J. F. O'Connor. No. 1,228,592; June 5; v. 239; p. 74.
- Draft-rigging, Railway-car. G. A. Johnson. No. 1,223,794; Apr. 24; v. 237; p. 1081.
- Draft-rigging, Railway-car. J. F. O'Connor. No. 1,220,265; Mar. 27; v. 236; p. 932.
- Draft-rigging, Tandem. G. Q. Lewis. No. 1,251,061; Dec. 25; v. 245; p. 889.
- Draft-tree. H. J. Swanke. No. 1,219,883; Mar. 20; v. 236; p. 761.
- Drafting apparatus. C. Thomson. No. 1,227,978; May 29; v. 238; p. 1478.
- Drafting instrument. R. F. McIntire. No. 1,225,464; May 8; v. 238; p. 520.
- Drafting instrument. G. E. Oltman. No. 1,247,867; Nov. 27; v. 244; p. 903.
- Drafting instrument. M. E. Steczynski. No. 1,243,568; Oct. 16; v. 243; p. 732.
- Drafting instrument. S. A. and J. Wikberg. No. 1,227,862; May 29; v. 238; p. 1438.
- Drafting material. C. H. Little. No. 1,220,245; Mar. 27; v. 236; p. 925.
- Drafting-tool. W. Faas. No. 1,226,068; May 15; v. 238; p. 768.
- Draftsman's appliance. A. W. McCuaig and F. N. Chida. No. 1,213,664; Jan. 23; v. 234; p. 1236.
- Drag, Field and road. J. W. Boyd. No. 1,245,431; Nov. 6; v. 244; p. 86.
- Drag, grader, and scraper combined. Road. W. S. Walker. No. 1,210,735; Jan. 2; v. 234; p. 123.
- Drag, Revolving. A. L. Nilsen. No. 1,239,294; Sept. 4; v. 242; p. 184.
- Drag, Road-. G. G. Bayne and F. A. Runkle. No. 1,214,121; Jan. 30; v. 234; p. 1422.
- Drag, Road-. N. J. Berge. No. 1,224,438; May 1; v. 238; p. 118.
- Drag, Road-. J. Dudek. No. 1,239,366; Sept. 4; v. 242; p. 207.
- Drag, Road-. G. W. Engle. No. 1,234,645; July 24; v. 240; p. 1121.
- Drag, Road-. C. Ferguson. No. 1,225,792; May 15; v. 238; p. 673.
- Drag, Road-. W. Findley. No. 1,215,011; Feb. 6; v. 235; p. 188.
- Drag, Road-. B. F. Findley. No. 1,224,728; May 1; v. 238; p. 219.
- Drag, Road-. A. Fry. No. 1,212,134; Jan. 9; v. 234; p. 637.
- Drag, Road-. A. A. Hatton. No. 1,240,714; Sept. 18; v. 242; p. 694.
- Drag, Road-. J. J. Klein. No. 1,230,723; June 19; v. 239; p. 870.
- Drag, Road-. E. C. Leak. No. 1,247,416; Nov. 20; v. 244; p. 738.
- Drag, Road-. F. P. Martin. No. 1,217,475; Feb. 27; v. 235; p. 1179.
- Drag, Road-. J. S. Olson. No. 1,226,801; May 22; v. 238; p. 1051.
- Drag, Road-. J. L. Pascal. No. 1,247,999; Nov. 27; v. 244; p. 940.
- Drag, Road-. A. E. Peterson. No. 1,246,649; Nov. 13; v. 244; p. 482.
- Drag, Road-. F. M. Settle. No. 1,223,625; Apr. 24; v. 237; p. 1020.
- Drag, Road-. E. B. Smith. No. 1,220,898; Mar. 27; v. 236; p. 1151.
- Drag, Road-. E. L. Stevens. No. 1,233,521; July 17; v. 240; p. 723.
- Drag, Smoothing-. W. H. Parker. No. 1,227,926; May 29; v. 238; p. 1459.
- Drags, Riding attachment for. R. Perry. No. 1,232,965; July 10; v. 240; p. 506.
- Drain and trap. O. W. Schlag. No. 1,218,482; Mar. 6; v. 236; p. 204.
- Drain-board, Portable. A. Blissman and R. E. Struse. No. 1,224,838; May 1; v. 238; p. 256.
- Drain-cleaning implement. J. H. Woolhiser. No. 1,215,461; Feb. 13; v. 235; p. 375.
- Drain for water systems. W. Kelly. No. 1,216,815; Feb. 20; v. 235; p. 908.
- Drain-outlet for sinks and the like. W. J. Kohler. No. 1,236,450; Aug. 14; v. 241; p. 327.
- Drain-pipe. S. F. Goss. No. 1,245,703; Nov. 6; v. 244; p. 170.
- Drain-pipe and basin-trap flusher attaching device. R. H. Peach. No. 1,221,901; Apr. 10; v. 237; p. 346.
- Drain, Sanitary floor-. F. H. Samson. No. 1,211,966; Jan. 9; v. 234; p. 584.
- Drain, Sink-. R. Clark. No. 1,224,603; May 1; v. 238; p. 174.
- Drain, Sink-. R. Clark. No. 1,224,712; May 1; v. 238; p. 212.
- Drain-trap. J. H. Nichols. No. 1,211,336; Jan. 2; v. 234; p. 329.
- Drainage appliance. E. G. Eckenrode. No. 1,229,423; June 12; v. 239; p. 403.
- Drainage system. J. A. Harman. No. 1,232,029; July 3; v. 240; p. 166.
- Draining device, Automatic. J. D. Woodworth. No. 1,230,972; June 26; v. 239; p. 993.
- Drainer and dish-pan, Plate-. W. A. Dawson. No. 1,236,061; Aug. 7; v. 241; p. 173.
- Drapery support, Window-. M. A. Erickson. No. 1,250,823; Dec. 18; v. 245; p. 770.
- Draw-bar adjuster, Safety. B. C. Cook and E. J. Kelly. No. 1,211,921; Jan. 9; v. 234; p. 566.
- Draw-bar and yoke connection. J. Harris. No. 1,231,017; June 26; v. 239; p. 1009.
- Draw-bar and yoke connection. W. H. Miner. No. 1,228,345; May 29; v. 238; p. 1597.
- Draw-bar and yoke connection, Detachable. J. F. O'Connor. No. 1,220,537; Mar. 27; v. 236; p. 1029.
- Draw-bar and coupling-head support. H. E. Van Dorn. No. 1,247,039; Nov. 20; v. 244; p. 630.
- Draw-bar and two-part-yoke connection. J. F. O'Connor. No. 1,242,844; Oct. 9; v. 243; p. 478.
- Draw-bar carrier and centering device. J. R. Mitchell. No. 1,232,364; July 3; v. 240; p. 276.
- Draw-bar carry-iron. G. W. Rink. No. 1,228,602; June 5; v. 239; p. 78.
- Draw-bar carry-iron. C. T. Westlake. No. 1,239,651; Sept. 11; v. 242; p. 325.
- Draw-bar-centering device. W. H. Miner. No. 1,225,154; May 8; v. 238; p. 414.
- Draw-bar-centering device and carrier. J. R. Mitchell. No. 1,230,199; June 19; v. 239; p. 697.
- Draw-bar connection. C. T. Westlake. No. 1,212,719; Jan. 16; v. 234; p. 877.
- Draw-bar-pin keeper. H. F. Ball. No. 1,236,366; Aug. 7; v. 241; p. 266.
- Draw-plates or dies, Manufacture of. J. C. Henderson. No. 1,243,167; Oct. 16; v. 243; p. 613.
- Draw-bar, Safety. H. F. Ball. No. 1,231,473; June 26; v. 239; p. 1161.
- Draw-grip. W. T. Hancock. No. 1,231,254; June 26; v. 239; p. 1089.
- Drawbridge joint connection and lock. T. O'Brien. No. 1,231,287; June 26; v. 239; p. 1099.
- Drawer and the like, Extension-. H. H. Labadie and B. B. Beers. No. 1,221,339; Apr. 3; v. 237; p. 119.
- Drawer, Compartment or ticket. L. J. Blades. No. 1,229,402; June 12; v. 239; p. 396.
- Drawer-cover, Automatic. R. J. Hoffmeyer. No. 1,215,276; Feb. 6; v. 235; p. 277.
- Drawer, Detachable. L. M. Mayne. No. 1,213,121; Jan. 16; v. 234; p. 1015.
- Drawer, Furniture-. E. Ohnstrand. No. 1,222,451; Apr. 10; v. 237; p. 539.
- Drawer-guide. H. T. Kemp and H. P. Randall. No. 1,248,133; Nov. 27; v. 244; p. 977.
- Drawer, Index-. S. E. Moore. No. 1,227,172; May 22; v. 238; p. 1178.
- Drawer, Invisible bed-. L. A. Belden. No. 1,250,946; Dec. 25; v. 245; p. 856.
- Drawer-lock. D. Mureau. No. 1,240,760; Sept. 18; v. 242; p. 709.
- Drawer locking and closing device, Automatic. W. A. Collings. No. 1,241,093; Sept. 25; v. 242; p. 846.
- Drawer-locking device, Wardrobe-trunk-. A. P. James. No. 1,240,048; Sept. 11; v. 242; p. 449.
- Drawer-pull. H. F. Keil. No. 1,210,945; Jan. 2; v. 234; p. 196.
- Drawer-pull. W. G. Sherer. No. 1,212,408; Jan. 16; v. 234; p. 765.
- Drawer-rack. F. Brady. No. 1,211,065; Jan. 2; v. 234; p. 237.
- Drawer-retracting mechanism. W. E. Hartbeck. No. 1,238,514; Aug. 28; v. 241; p. 1064.
- Drawer, Secret. T. T. Burchell. No. 1,247,367; Nov. 20; v. 244; p. 724.
- Drawer-stop. C. H. Anderson. No. 1,214,495; Feb. 6; v. 235; p. 3.
- Drawer-stop. H. P. Randall. No. 1,227,001; May 22; v. 238; p. 1121.
- Drawer-stop, Adjustable. L. L. Hipes. No. 1,249,086; Dec. 4; v. 245; p. 191.
- Drawer-support. L. H. Forbes. No. 1,212,471; Jan. 16; v. 234; p. 787.
- Drawers. C. Benson. No. 1,242,760; Oct. 9; v. 243; p. 451.
- Drawers, Roller for sliding. L. M. Mayne. No. 1,226,561; May 15; v. 238; p. 931.
- Drawers-supporter. L. W. Brown. No. 1,221,966; Apr. 10; v. 237; p. 369.
- Drawers, Suspension device for. E. G. Sampson and G. Johnson. No. 1,227,939; May 29; v. 238; p. 1464.
- Drawing and spinning short fibers, Machine for. W. T. Smith. No. 1,215,211; Feb. 6; v. 235; p. 254.
- Drawing-board. W. L. Fulton. No. 1,230,398; June 19; v. 239; p. 761.
- Drawing-board attachment. L. R. Kruger. No. 1,219,959; Mar. 20; v. 236; p. 788.
- Drawing-boards and the like, Supporting device for. R. Miller. No. 1,249,165; Dec. 4; v. 245; p. 212.
- Drawing implement. F. A. Alteneder. No. 1,221,786; Apr. 3; v. 237; p. 271.

Alphabetical list of inventions—Continued.

- Drawing instrument. C. E. Johnson. No. 1,241,986; Oct. 2; v. 243; p. 164.
- Drawing parallel lines, Device for. A. Danielsson. No. 1,249,599; Dec. 11; v. 245; p. 368.
- Drawing parallel lines, Device for. D. J. Sullivan and C. F. Stevens. No. 1,227,854; May 29; v. 238; p. 1435.
- Drawing-pot. W. Westbury. No. 1,236,240; Aug. 7; v. 241; p. 230.
- Drawing-press. J. E. Dobson. No. 1,212,192; Jan. 16; v. 234; p. 687.
- Drawing-press. W. Klocke. No. 1,212,230; Jan. 16; v. 234; p. 700.
- Drawing-ring. W. Westbury. No. 1,225,542; May 8; v. 238; p. 545.
- Drawing-rolls, Composite material for covering. E. Kempshall. No. 1,236,317; Aug. 7; v. 241; p. 252.
- Drawings or pictures, Making. W. R. Hope. No. 1,240,143; Sept. 11; v. 242; p. 478.
- Dray, Motor-. O. L. Brainard. No. 1,235,875; Aug. 7; v. 241; p. 113.
- Dredge. B. Roberts. No. 1,219,869; Mar. 20; v. 236; p. 756.
- Dredge. S. D. Waysman. No. 1,237,845; Aug. 21; v. 241; p. 814.
- Dredge, Condiment-. H. T. Sykes. No. 1,246,489; Nov. 13; v. 244; p. 434.
- Dredge-cutter. J. F. Brown. No. 1,221,021; Apr. 3; v. 237; p. 6.
- Dredge, Mussel-. G. H. Delvin. No. 1,250,288; Dec. 18; v. 245; p. 609.
- Dredge, Suction-. V. F. Casey. No. 1,238,260; Aug. 28; v. 241; p. 982.
- Dredge tumbler, Placer-. W. G. Nichols. No. 1,229,313; June 12; v. 239; p. 366.
- Dredger. W. and W. Brown. No. 1,240,932; Sept. 25; v. 242; p. 797.
- Dredger. W. and W. Brown. No. 1,250,276; Dec. 18; v. 245; p. 606.
- Dredges, Cutter-head for suction-. J. W. Sackett. No. 1,226,386; May 15; v. 238; p. 876.
- Dredges, Track for land-. F. Goddard. No. 1,216,108; Feb. 13; v. 235; p. 610.
- Dredging apparatus. S. E. Neill and J. B. Hamilton. No. 1,223,066; Apr. 17; v. 237; p. 794.
- Dredging device. G. E. Alleman. No. 1,248,052; Nov. 27; v. 244; p. 953.
- Drenching-tube. O. Crittenden. No. 1,238,390; Aug. 28; v. 241; p. 1023.
- Dress. P. H. Schultz. No. 1,237,394; Aug. 21; v. 241; p. 671.
- Dress, Maternity-. R. Horwitz. No. 1,238,917; Sept. 4; v. 242; p. 63.
- Dress, Woman's. B. Sirotta. No. 1,214,601; Feb. 6; v. 235; p. 42.
- Dresser and dressing and writing table, Combination. W. J. Wood. No. 1,221,643; Apr. 3; v. 237; p. 222.
- Dresser and folding bed, Combined. C. Bognar. No. 1,243,918; Oct. 23; v. 243; p. 877.
- Dressing-table and chiffonier, Combination. L. Kreuter. No. 1,229,196; June 5; v. 239; p. 276.
- Dressing-table and the like, Folding. W. C. Gray. No. 1,245,582; Nov. 6; v. 244; p. 133.
- Dressmaker's adjustable dummy-support. A. Matthey. No. 1,238,423; Aug. 28; v. 241; p. 1034.
- Drier: See—
- Bean-drier. Fruit-drier.
- Centrifugal drier. Grain-drier.
- Clothes-drier. Hair-drier.
- Corn-drier. Paste-drier.
- Cotton, rags, wool, drier, &c., Rotary drier.
- Film and photographic Tobacc-o-drier.
- Drier. C. C. Bailey and C. O. Putnam. No. 1,248,595; Dec. 4; v. 245; p. 50.
- Drier. R. Bernhard. No. 1,221,412; Apr. 3; v. 237; p. 145.
- Drier. M. A. Betzer. No. 1,247,495; Nov. 20; v. 244; p. 761.
- Drier. M. T. Cass. No. 1,219,081; Mar. 13; v. 236; p. 453.
- Drier. L. R. Jackson. No. 1,220,130; Mar. 20; v. 236; p. 850.
- Drier. M. F. Kevlin. No. 1,249,771; Dec. 11; v. 245; p. 419.
- Drier. W. J. Kuntz. No. 1,229,978; June 12; v. 239; p. 586.
- Drier. W. F. Page. No. 1,217,051; Feb. 20; v. 235; p. 988.
- Drier. W. D. Palen. No. 1,248,389; Nov. 27; v. 244; p. 1049.
- Drier. F. M. Schaefer. No. 1,216,504; Feb. 20; v. 235; p. 801.
- Drier. F. Wegner and H. Schrader. No. 1,247,045; Nov. 20; v. 244; p. 632.
- Drier. C. A. Wendell. No. 1,218,024; Mar. 6; v. 236; p. 47.
- Drier. C. A. Wendell. No. 1,244,007; Oct. 23; v. 243; p. 904.
- Drier and evaporator. C. Offenhauser. No. 1,249,177; Dec. 4; v. 245; p. 216.
- Drier, cooker, and baker for foods. W. Fullard. No. 1,231,594; July 3; v. 240; p. 19.
- Drier system, Open-top-. R. C. Penfield. No. 1,243,212; Oct. 16; v. 243; p. 628.
- Driers, Agitator for. J. Sorensen. No. 1,222,691; Apr. 17; v. 237; p. 667.
- Driers and the like, Mechanism for removing treated material from. W. R. Macklind. No. 1,216,711; Feb. 20; v. 235; p. 873.
- Drifting device. J. H. Cooper. No. 1,245,442; Nov. 6; v. 244; p. 89.
- Dry-cell battery. H. R. Palmer. No. 1,231,057; June 26; v. 239; p. 1023.
- Dry-cell-tamping apparatus. H. T. Lang. No. 1,241,226; Sept. 25; v. 242; p. 887.
- Dry closet. J. H. Mershon. No. 1,223,711; Apr. 24; v. 237; p. 1051.
- Dry closet. F. Pavlik, Jr. No. 1,234,688; July 24; v. 240; p. 1133.
- Dry closet. F. Pavlik, Jr. No. 1,248,901; Dec. 4; v. 245; p. 139.
- Dry closet, Sanitary. S. A. Dixon and S. L. Ratliff. No. 1,250,701; Dec. 18; v. 245; p. 733.
- Dry-kiln for drying lumber and other moisture-bearing substances. H. D. Tiemann. No. 1,228,989; June 5; v. 239; p. 207.
- Dry-press and semidry-press machines, Automatic mold-filling device for. S. G. Brinkman. No. 1,247,213; Nov. 20; v. 244; p. 682.
- Drying and conditioning materials, Process and apparatus for. W. W. Sibson and T. Allsop. No. 1,213,549; Jan. 23; v. 234; p. 1198.
- Drying and extracting. D. B. Banks. No. 1,219,406; Mar. 13; v. 236; p. 564.
- Drying apparatus. F. Balzer. No. 1,213,999; Jan. 30; v. 234; p. 1381.
- Drying apparatus. C. H. Benedict. No. 1,221,129; Apr. 3; v. 237; p. 44.
- Drying apparatus. C. H. Currier. No. 1,230,282; June 19; v. 239; p. 725.
- Drying apparatus. J. J. Krüger. No. 1,247,284; Nov. 20; v. 244; p. 702.
- Drying apparatus. E. J. M. Martini. No. 1,215,951; Feb. 13; v. 235; p. 553.
- Drying apparatus. F. E. Needham and B. W. Emerick. No. 1,224,560; May 1; v. 238; p. 160.
- Drying apparatus. B. Panara. No. 1,242,368; Oct. 9; v. 243; p. 326.
- Drying apparatus. F. Rudolph. No. 1,227,674; May 29; v. 238; p. 1373.
- Drying apparatus. E. E. Siler. No. 1,213,962; Jan. 30; v. 234; p. 1368.
- Drying apparatus. G. H. and J. H. Stroband. No. 1,241,299; Sept. 25; v. 242; p. 914.
- Drying apparatus. R. H. Wyld. No. 1,248,589; Dec. 4; v. 245; p. 49.
- Drying apparatus and process. O. Q. Backworth and O. J. Hobson. No. 1,228,283; May 29; v. 238; p. 1576.
- Drying articles and apparatus for accomplishing the same, Process for. F. A. Secord. No. 1,221,383; Apr. 3; v. 237; p. 134.
- Drying bodies. G. H. Benjamin. No. 1,225,212; May 8; v. 238; p. 432.
- Drying, casing. W. M. Brownell. No. 1,239,766; Sept. 11; v. 242; p. 361.
- Drying, casing. W. M. Brownell. No. 1,240,816; Sept. 25; v. 242; p. 760.
- Drying-chamber. P. Barducci. No. 1,248,437; Dec. 4; v. 245; p. 3.
- Drying-chamber. P. Barducci. No. 1,248,438; Dec. 4; v. 245; p. 3.
- Drying-cylinders, Means for removing water of condensation from. O. W. Dodge. No. 1,215,258; Feb. 6; v. 235; p. 271.
- Drying-cylinders, Testing attachment for steam-heated. G. H. Barrus. No. 1,249,886; Dec. 11; v. 245; p. 454.
- Drying-frame. C. A. Soans. No. 1,237,967; Aug. 21; v. 241; p. 852.
- Drying grain and other coarse granular materials. E. Passburg. No. 1,250,496; Dec. 18; v. 245; p. 672.
- Drying-house. R. B. Ryder. No. 1,213,957; Jan. 30; v. 234; p. 1366.
- Drying-kiln. P. W. Turner. No. 1,221,776; Apr. 3; v. 237; p. 268.
- Drying macaroni and other edible pastes, Apparatus for. K. Gammel. No. 1,246,812; Nov. 13; v. 244; p. 528.
- Drying-machine. W. M. Brownell. No. 1,242,518; Oct. 9; v. 243; p. 373.
- Drying-machine. C. Crouch and G. J. Hewlett. No. 1,250,980; Dec. 25; v. 245; p. 866.
- Drying-machine. J. F. Sullenberger. No. 1,216,880; Feb. 20; v. 235; p. 930.
- Drying-machine for alimentary pastes. A. Tegoli. No. 1,214,239; Jan. 30; v. 234; p. 1462.
- Drying-machines with rotary heating devices, Construction of. R. W. G. and F. R. Simon. No. 1,237,110; Aug. 14; v. 241; p. 543.
- Drying materials. A. F. Wright. No. 1,251,317; Dec. 25; v. 245; p. 965.
- Drying materials, Method of and apparatus for. G. B. Damon. No. 1,222,079; Apr. 10; v. 237; p. 407.
- Drying process and apparatus. E. P. Butts. No. 1,212,014; Jan. 9; v. 234; p. 597.
- Drying-roll. J. P. Badenhansen. No. 1,215,236; Feb. 6; v. 235; p. 262.
- Drying room and apparatus. O. Lilly. No. 1,211,325; Jan. 2; v. 234; p. 325.

- Drying-room for rugs, carpets, and the like. F. A. Henderson. No. 1,238,517; Aug. 28; v. 241; p. 1065.
- Drying sand and the like, Apparatus for. A. A. Bratton. No. 1,224,132; May 1; v. 238; p. 5.
- Drying-table. W. R. Macklind. No. 1,239,415; Sept. 4; v. 242; p. 221.
- Drying textile fabrics in open form, Machine for. C. Taylor. No. 1,237,972; Aug. 21; v. 241; p. 854.
- Drying wares made from tender clay, Apparatus for. R. O. Perrott. No. 1,215,849; Feb. 13; v. 235; p. 517.
- Drill: See—
- | | |
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| Boring-drill. | Pneumatic drill. |
| Breast-drill. | Post-drill. |
| Coal-drill. | Post-hole drill. |
| Core-drill. | Ratchet-drill. |
| Disk drill. | Rock-drill. |
| Expanding drill. | Rotary drill. |
| Extension-drill. | Rotary core-drill. |
| Fluid-motor drill. | Seed-drill. |
| Fluid-operated drill. | Square-hole drill. |
| Grain-drill. | Test-drill. |
| Hammer-drill. | Test-hole drill. |
| Manure-drill. | Track-drill. |
| Motor-drill. | Tubular drill. |
| Multiple drill. | Well-drill. |
- Drill. G. De Laval. No. 1,240,158; Sept. 11; v. 242; p. 482.
- Drill. H. P. Dyson. No. 1,222,938; Apr. 17; v. 237; p. 749.
- Drill. I. W. Foltz. No. 1,240,553; Sept. 18; v. 242; p. 645.
- Drill. W. R. Fox. No. 1,212,472; Jan. 16; v. 234; p. 787.
- Drill. W. R. Fox. No. 1,229,601; June 12; v. 239; p. 463.
- Drill. A. Giest. No. 1,220,217; Mar. 27; v. 236; p. 9.
- Drill. S. S. Hensley. No. 1,225,629; May 8; v. 238; p. 575.
- Drill. B. Kunitz. No. 1,237,064; Aug. 14; v. 241; p. 528.
- Drill-hitch. M. McKinney. No. 1,249,648; Dec. 11; v. 245; p. 382.
- Drill. J. Moffitt. No. 1,222,559; Apr. 10; v. 237; p. 579.
- Drill. R. E. Overman. No. 1,218,579; Mar. 6; v. 238; p. 238.
- Drill. H. K. Parsons. No. 1,246,005; Nov. 6; v. 244; p. 257.
- Drill. S. T. Skeen. No. 1,211,634; Jan. 9; v. 234; p. 464.
- Drill. S. T. Skeen. No. 1,226,393; May 15; v. 238; p. 879.
- Drill. C. W. Skinner. No. 1,247,341; Nov. 20; v. 244; p. 717.
- Drill. F. R. Williams. No. 1,210,747; Jan. 2; v. 234; p. 127.
- Drill and tap indicator. J. I. D. Bristol. No. 1,246,536; Nov. 13; v. 244; p. 447.
- Drill attachment. G. B. Serpas. No. 1,231,438; June 26; v. 239; p. 1150.
- Drill-bit. C. T. Chapman. No. 1,228,296; May 29; v. 238; p. 1581.
- Drill-bit. E. L. Burton. No. 1,211,537; Jan. 9; v. 234; p. 432.
- Drill-bit and sectional rod therefor. R. S. Carter. No. 1,211,080; Jan. 2; v. 234; p. 242.
- Drill-bit, Detachable. D. A. Carden. No. 1,222,845; Apr. 17; v. 237; p. 718.
- Drill-bit, Well. R. D. Martin. No. 1,211,331; Jan. 2; v. 234; p. 327.
- Drill-bits, Manufacturing. S. V. Rawlings. No. 1,229,790; June 12; v. 239; p. 525.
- Drill-card, Cumulative additive. R. S. Brennan. No. 1,228,356; May 29; v. 238; p. 1602.
- Drill extension. A. F. Beaulieu. No. 1,225,209; May 8; v. 238; p. 431.
- Drill-extractor. W. W. Wilson. No. 1,213,989; Jan. 30; v. 234; p. 1377.
- Drill-forming die. O. C. Julien. No. 1,230,303; June 19; v. 239; p. 732.
- Drill, hammer, and motor-case combined. W. S. Payne. No. 1,217,815; Feb. 27; v. 235; p. 1299.
- Drill-head, Adjustable. C. Eisler. No. 1,246,250; Nov. 13; v. 244; p. 361.
- Drill-holder. A. M. Becker. No. 1,241,327; Sept. 25; v. 242; p. 921.
- Drill mechanism. H. C. Brown. No. 1,217,911; M. v. 236; p. 9.
- Drill-mounting. F. L. Emerson. No. 1,214,527; Feb. 6; v. 235; p. 16.
- Drill or boring member. H. J. Watts. No. 1,241,176; Sept. 25; v. 242; p. 871.
- Drill-pipes, Quick-detachable coupling for. E. T. Beatty. No. 1,218,359; Mar. 6; v. 236; p. 164.
- Drill-press. F. F. Clarke. (Reissue.) No. 14,327; July 17; v. 240; p. 910.
- Drill-press. G. E. Randles. No. 1,227,828; May 29; v. 238; p. 1426.
- Drill-press attachment. W. J. Mackle. No. 1,244,112; Oct. 23; v. 243; p. 935.
- Drill-press, Ceiling. F. A. Errington. No. 1,226,487; May 15; v. 238; p. 907.
- Drill-rigging. M. Griffith. No. 1,251,220; Dec. 25; v. 245; p. 936.
- Drill-spindles, Driving connection for. W. R. Fox. No. 1,234,455; July 24; v. 240; p. 1062.
- Drill-stand. W. J. Kennedy. No. 1,251,046; Dec. 25; v. 245; p. 885.
- Drill-steel, Apparatus for forming lugs upon a. T. H. Proske. No. 1,214,070; Jan. 30; v. 234; p. 1406.
- Drill-steels, Machine for forming shanks and collars on. A. A. Hentzell. No. 1,223,975; Apr. 24; v. 237; p. 1141.
- Drill-stem and making the same. R. L. Burns. No. 1,236,145; Aug. 7; v. 241; p. 197.
- Drill-support. G. B. Simmons. No. 1,223,432; Apr. 24; v. 237; p. 951.
- Drills, Attachment for multiple. W. R. Fox. No. 1,210,450; Jan. 2; v. 234; p. 25.
- Drills with conical shafts, Socket for. P. G. Lagerbäck. No. 1,227,632; May 29; v. 238; p. 1358.
- Drilling and reaming machine, Combined. W. H. Tambs. No. 1,248,750; Dec. 4; v. 245; p. 96.
- Drilling apparatus. G. H. Gilman. No. 1,236,371; Aug. 7; v. 241; p. 267.
- Drilling apparatus. G. H. Gilman. No. 1,250,933; Dec. 18; v. 245; p. 802.
- Drilling apparatus, Portable. W. H. Diffendall. No. 1,249,045; Dec. 4; v. 245; p. 178.
- Drilling appliance. R. H. Harris. No. 1,250,450; Dec. 18; v. 245; p. 658.
- Drilling-bit socket. W. Runyan. No. 1,217,349; Feb. 27; v. 235; p. 1134.
- Drilling-bit, Rotary. L. L. Richard. No. 1,226,377; May 15; v. 238; p. 873.
- Drilling-machine. H. Dreses. No. 1,230,386; June 19; v. 239; p. 758.
- Drilling-machine. C. A. Hultquist. No. 1,221,862; Apr. 10; v. 237; p. 331.
- Drilling-machine. C. A. Hultquist. No. 1,233,477; July 17; v. 240; p. 709.
- Drilling-machine. F. Marovitch. No. 1,217,617; Feb. 27; v. 235; p. 1232.
- Drilling-machine. D. Spehar. No. 1,244,385; Oct. 23; v. 243; p. 1015.
- Drilling-machine, Automatic. C. E. Loyd. No. 1,243,616; Oct. 16; v. 243; p. 748.
- Drilling-machine drill-head. J. F. Buhr. No. 1,237,017; Aug. 14; v. 241; p. 513.
- Drilling machine, Horizontal. H. R. Hughes. No. 1,224,930; May 8; vol. 238; p. 339.
- Drilling-machine drums, Safety-drive for. A. J. Sharp and J. O. Foster. No. 1,213,698; Jan. 23; v. 234; p. 1247.
- Drilling-machine feed mechanism. J. G. Hey. No. 1,216,689; Feb. 20; v. 235; p. 865.
- Drilling-machine, Multiple-spindle. W. R. Fox and E. W. Cleveland. No. 1,225,235; May 8; v. 238; p. 440.
- Drilling-machine pitman. W. C. Sole. No. 1,245,051; Oct. 30; v. 243; p. 1255.
- Drilling machine, Power bond. J. C. and C. L. Parnell. No. 1,215,978; Feb. 13; v. 235; p. 563.
- Drilling-machines, Tool-retainer for. W. E. Edwards. No. 1,229,424; June 12; v. 239; p. 403.
- Drilling machinery, Variable-resistance electromagnetic. H. Symes. No. 1,219,190; Mar. 13; v. 236; p. 490.
- Drilling, reaming, and centering machine. S. W. Traylor. No. 1,221,247; Apr. 3; v. 237; p. 87.
- Drink-mixer, Electrical. R. H. Stringham. No. 1,242,493; Oct. 9; v. 243; p. 365.
- Drinking apparatus, Cattle. J. M. B. Lewis. No. 1,249,139; Dec. 4; v. 245; p. 205.
- Drinking apparatus, Sanitary. S. T. Whitaker. No. 1,213,319; Jan. 23; v. 234; p. 1118.
- Drinking apparatus, Sanitary. S. T. Whitaker. No. 1,213,320; Jan. 23; v. 234; p. 1119.
- Drinking-bowl for stock, Sanitary. T. Loudon. No. 1,227,279; May 22; v. 238; p. 1213.
- Drinking-cup. F. Glasner and G. Ellison. No. 1,227,423; May 22; v. 238; p. 1258.
- Drinking-cup. F. P. Shepard. No. 1,213,961; Jan. 30; v. 234; p. 1367.
- Drinking-cup. J. E. Sherman. No. 1,222,565; Apr. 10; v. 237; p. 581.
- Drinking-cup and container. S. H. Nuckolls. No. 1,222,450; Apr. 10; v. 237; p. 539.
- Drinking-cup, Bubbling. M. L. Rahner. No. 1,227,311; May 22; v. 238; p. 1223.
- Drinking-cup, Collapsible. L. K. Mearkle. No. 1,212,378; Jan. 16; v. 234; p. 754.
- Drinking-cup, Collapsible. W. F. Smythe. No. 1,228,706; June 5; v. 239; p. 113.
- Drinking-cup, Folding. E. C. Harrington. No. 1,240,564; Sept. 18; v. 242; p. 649.
- Drinking-cup, Fountain. M. L. Rahner. No. 1,250,222; Dec. 18; v. 245; p. 590.
- Drinking-cup, Sanitary. J. J. O'Brien. No. 1,245,610; Nov. 6; v. 244; p. 142.
- Drinking-cup, Sanitary. F. V. Sackett. No. 1,245,386; Nov. 6; v. 244; p. 73.
- Drinking-cup, Sanitary. E. C. Walsh. No. 1,221,639; Apr. 3; v. 237; p. 221.
- Drinking-cups and dispensing liquids, Mechanism for making and dispensing. F. H. Vick. No. 1,226,033; May 15; v. 238; p. 754.
- Drinking-cups, Apparatus for regulating the delivery of. H. B. Cooley. No. 1,216,417; Feb. 20; v. 235; p. 772.
- Drinking-cups, Apparatus for regulating the delivery of. H. B. Cooley. No. 1,217,109; Feb. 20; v. 235; p. 1008.
- Drinking-cups, Package for paper. J. A. and J. E. Sherman. No. 1,222,566; Apr. 10; v. 237; p. 581.

Alphabetical list of inventions—Continued.

- Drinking device. G. H. Williams. No. 1,236,029; Aug. 7; v. 241; p. 165.
- Drinking-fountain. N. Bazinet. No. 1,227,366; May 22; v. 238; p. 1240.
- Drinking-fountain. T. Duncan. No. 1,224,084; Apr. 24; v. 237; p. 1178.
- Drinking-fountain. W. A. Helmkamp. No. 1,232,543; July 10; v. 240; p. 368.
- Drinking-fountain. B. Kaminsky. No. 1,222,298; Apr. 10; v. 237; p. 484.
- Drinking-fountain. W. W. Luke, M. A. Russell, L. R. Kennedy, and C. E. Anderson. No. 1,228,224; May 29; v. 238; p. 1557.
- Drinking-fountain. K. Murdock. No. 1,218,797; Mar. 13; v. 236; p. 355.
- Drinking-fountain. E. C. Stacy. No. 1,211,980; Jan. 9; v. 234; p. 583.
- Drinking-fountain. G. A. Woods. No. 1,239,151; Sept. 4; v. 242; p. 139.
- Drinking-fountain, Animal. R. M. Russell. No. 1,218,899; Mar. 13; v. 236; p. 392.
- Drinking-fountain attachment. F. D. Clark. No. 1,229,715; June 12; v. 239; p. 500.
- Drinking-fountain, faucet and rotary spout, Sanitary. P. Mueller and A. C. Schuermann. No. 1,248,376; Nov. 27; v. 244; p. 1046.
- Drinking-fountain, Poultry. M. Clark. No. 1,210,601; Jan. 2; v. 234; p. 76.
- Drinking-fountain, Poultry. C. D. Hixson. No. 1,224,544; May 1; v. 238; p. 154.
- Drinking-fountain, Poultry. A. J. E. Pruefert. No. 1,226,594; May 15; v. 238; p. 941.
- Drinking-fountain, Sanitary. A. I. Fischer. No. 1,242,538; Oct. 9; v. 243; p. 880.
- Drinking-fountain, Sanitary. A. S. Newton. No. 1,236,101; Aug. 7; v. 241; p. 184.
- Drinking-fountain, Sanitary. J. B. Tate, D. L. Wilhoit, and H. M. Fox. No. 1,249,244; Dec. 4; v. 245; p. 237.
- Drinking-fountain-supply system, Sanitary. A. S. Newton. No. 1,214,212; Jan. 30; v. 234; p. 1452.
- Drinking-fountains, Bubbler-head for sanitary. P. Mueller. No. 1,248,377; Nov. 27; v. 244; p. 1046.
- Drinking-fountains, Sanitary head for. R. V. Jordan. No. 1,250,587; Dec. 18; v. 245; p. 700.
- Drinking-glass holder. W. Bloomberg. No. 1,236,254; Aug. 7; v. 241; p. 233.
- Drinking-glasses and the like, Mouth-protector for. C. W. Bolte. No. 1,237,462; Aug. 21; v. 241; p. 692.
- Drinking-trough for chickens. R. G. Todd. No. 1,214,240; Jan. 30; v. 234; p. 1462.
- Drinking vessels, Lip-guard for. A. J. Strohmeier. No. 1,217,661; Feb. 27; v. 235; p. 1248.
- Drinks or similar fluids, Apparatus for preparing and distributing of aerated. K. T. Bouvin. No. 1,246,227; Nov. 13; v. 244; p. 354.
- Drip-pan alarm attachment. H. Bucks. No. 1,212,124; Jan. 9; v. 234; p. 634.
- Drip-pan alarms, Circuit-closer for. H. and E. Brunelle. No. 1,217,701; Feb. 27; v. 235; p. 1260.
- Drip-pan alarms, Circuit-closer for. J. J. Chapman. No. 1,220,954; Mar. 27; v. 236; p. 1170.
- Drip-pan controller. F. W. Howden. No. 1,222,764; Apr. 17; v. 237; p. 690.
- Drip-pan signal. J. E. Amerman. No. 1,211,271; Jan. 2; v. 234; p. 309.
- Drive, Friction. R. Shipman. No. 1,235,940; Aug. 7; v. 241; p. 134.
- Drive, Front-wheel. W. W. Nelson and L. McDonal. No. 1,222,449; Apr. 10; v. 237; p. 539.
- Drive, Front-wheel. E. M. Sauder. No. 1,224,504; May 1; v. 238; p. 139.
- Drive, Front-wheel. G. W. Smith. No. 1,232,402; July 3; v. 240; p. 287.
- Drive, Gearless. A. C. Lindgren. No. 1,237,666; Aug. 21; v. 241; p. 758.
- Drive mechanism, Four-wheel. B. H. Davidson. No. 1,251,345; Dec. 25; v. 245; p. 973.
- Drive, Speed-varying. W. H. Nicholas. No. 1,241,004; Sept. 25; v. 242; p. 819.
- Drive, Variable-power. E. Hasti. No. 1,247,530; Nov. 20; v. 244; p. 771.
- Drive, Variable-speed. I. M. Thurlow. No. 1,216,749; Feb. 20; v. 235; p. 886.
- Drive-wheel press, Quartering. M. M. Moran. No. 1,219,985; Mar. 20; v. 236; p. 796.
- Drive with coaster-brake, Multispeed. F. J. Olsen. No. 1,233,600; July 17; v. 240; p. 750.
- Driven mechanisms, Means for operating. R. T. Jenney. No. 1,214,039; Jan. 30; v. 234; p. 1396.
- Driver, Rotary. W. Ernst. No. 1,238,501; Aug. 28; v. 241; p. 1059.
- Driving and stopping mechanism. J. Reece. No. 1,220,786; Mar. 27; v. 236; p. 1112.
- Driving and stopping mechanism. A. R. Schoenky. No. 1,242,247; Oct. 9; v. 243; p. 287.
- Driving and stopping mechanism. A. R. Schoenky. No. 1,243,986; Oct. 23; v. 243; p. 897.
- Driving-belt, Elastic. J. Granz. No. 1,214,911; Feb. 6; v. 235; p. 150.
- Driving-box. H. H. Thompson. No. 1,220,909; Mar. 27; v. 236; p. 1154.
- Driving-box, Adjustable. J. Copp. No. 1,232,001; July 3; v. 240; p. 155.
- Driving-box, Automatically face-lubricated. A. J. Sams. No. 1,235,844; Aug. 7; v. 241; p. 103.
- Driving-box, Lateral-motion. W. E. Woodard. No. 1,250,747; Dec. 18; v. 245; p. 746.
- Driving connection. G. G. Milne and W. F. Richards. No. 1,242,577; Oct. 9; v. 243; p. 394.
- Driving device, Constant-speed. L. S. Hopkins. No. 1,241,117; Sept. 25; v. 242; p. 852.
- Driving device, Four-wheel. J. L. Ware. No. 1,239,990; Sept. 11; v. 242; p. 433.
- Driving-gear. H. Stelzner. No. 1,238,952; Sept. 4; v. 242; p. 74.
- Driving-gear, Differential. R. B. Hewitt. No. 1,211,151; Jan. 2; v. 234; p. 265.
- Driving-gear, Planet. C. Tadey. No. 1,221,626; Apr. 3; v. 237; p. 218.
- Driving-gear, Spring. J. M. Waugh. No. 1,222,699; Apr. 17; v. 237; p. 669.
- Driving-gearing. H. Budd. No. 1,233,178; July 10; v. 240; p. 575.
- Driving machines, Apparatus for. B. Graemiger. No. 1,233,569; July 17; v. 240; p. 740.
- Driving means. H. W. Eden. No. 1,241,100; Sept. 25; v. 242; p. 848.
- Driving mechanism. A. W. Altorfer. No. 1,227,733; May 29; v. 238; p. 1393.
- Driving mechanism. J. J. Crain. No. 1,250,564; Dec. 18; v. 245; p. 693.
- Driving mechanism. J. J. Crain. No. 1,250,565; Dec. 18; v. 245; p. 694.
- Driving mechanism. C. A. Curtis. No. 1,230,682; June 19; v. 239; p. 857.
- Driving mechanism. I. S. Dement. No. 1,235,538; July 31; v. 240; p. 1428.
- Driving mechanism. J. P. Dorau. No. 1,215,502; Feb. 13; v. 235; p. 390.
- Driving mechanism. C. E. Duryea. No. 1,244,185; Oct. 23; v. 243; p. 956.
- Driving mechanism. R. G. Harrier. No. 1,219,553; Mar. 20; v. 236; p. 647.
- Driving mechanism. J. D. Heckard. No. 1,213,636; Jan. 23; v. 234; p. 1227.
- Driving mechanism. G. A. King. No. 1,221,334; Apr. 3; v. 237; p. 117.
- Driving mechanism. V. W. Pagé. No. 1,213,243; Jan. 23; v. 234; p. 1090.
- Driving mechanism. G. D. Pogue. No. 1,225,355; May 8; v. 238; p. 484.
- Driving mechanism. W. H. Sargent. No. 1,243,882; Oct. 23; v. 243; p. 867.
- Driving mechanism. G. E. Stanley. No. 1,238,950; Sept. 4; v. 242; p. 74.
- Driving mechanism. J. Wodsedalek. No. 1,233,945; July 17; v. 240; p. 860.
- Driving mechanism, Compensating. J. D. Allen. No. 1,238,730; Sept. 4; v. 242; p. 3.
- Driving mechanism, Differential. E. D. Pattison. No. 1,224,781; May 1; v. 238; p. 236.
- Driving mechanism for self-propelled bodies. F. W. Dodd. No. 1,216,664; Feb. 20; v. 235; p. 857.
- Driving mechanism for treadle-operated machines. F. J. Osius. No. 1,226,804; May 22; v. 238; p. 1052.
- Driving mechanism for valves and other devices. P. P. Dean. No. 1,245,574; Nov. 6; v. 244; p. 131.
- Driving mechanism, Initial. W. L. Schellenbach. No. 1,250,363; Dec. 18; v. 245; p. 632.
- Driving mechanism, Locking device for intermittent. A. Mehlfelder. No. 1,239,119; Sept. 4; v. 242; p. 129.
- Driving-tool. H. G. Wickham. No. 1,250,741; Dec. 18; v. 245; p. 745.
- Drives, Mechanism for forward and rear wheel. D. W. Lydell. No. 1,244,221; Oct. 23; v. 243; p. 967.
- Drop-cord-extension reel. A. W. Carroll and E. J. Fuller. No. 1,243,039; Oct. 16; v. 243; p. 575.
- Drop mechanism, Variable. J. R. Anderson. No. 1,215,607; Feb. 13; v. 235; p. 431.
- Dropper: See—
Block-dropper. Fertilizer-dropper.
Ether-dropper. Seed-dropper.
Fencing-dropper.
- Drowning and assisting swimming, Inflated apparatus for preventing. J. J. Pritchard. No. 1,217,824; Feb. 27; v. 235; p. 1302.
- Drum. A. D. Converse. No. 1,221,142; Apr. 3; v. 237; p. 49.
- Drum-lining. C. L. Johnson. No. 1,249,764; Dec. 11; v. 245; p. 417.
- Drum. G. A. Manning. No. 1,232,823; July 10; v. 240; p. 459.
- Drum. M. J. O'Connor. No. 1,243,207; Oct. 16; v. 243; p. 627.
- Drum-cap. L. M. Booth. No. 1,216,771; Feb. 20; v. 235; p. 894.
- Drum, Collapsible. W. A. Barry. No. 1,223,237; Apr. 17; v. 237; p. 851.
- Drum, Collapsible. A. King. No. 1,214,171; Jan. 30; v. 234; p. 1438.
- Drum, Feeding. W. J. Boudwin. No. 1,221,136; Apr. 3; v. 237; p. 47.
- Drum, Hot-water. W. L. Hill. No. 1,226,516; May 15; v. 238; p. 917.
- Drum or barrel, Reinforced. I. Naylor and H. B. Ruggles. No. 1,215,970; Feb. 13; v. 235; p. 560.

- Drum or cylinder, Toothed. J. H. Cary. No. 1,220,953; Mar. 27; v. 236; p. 1169.
- Drum-snare. I. H. Sapp. No. 1,227,496; May 22; v. 238; p. 1282.
- Drum-spoolers, Stop-motion for. H. J. Marx. No. 1,222,962; Apr. 17; v. 237; p. 758.
- Drum-trap guard. M. Block. No. 1,243,245; Oct. 16; v. 243; p. 637.
- Drum trap-holder. G. A. Manning. No. 1,230,192; June 19; v. 239; p. 695.
- Drum-winder. H. J. Marx. No. 1,251,075; Dec. 25; v. 245; p. 893.
- Drums and other musical instruments, Making heads for. A. D. Converse. No. 1,221,141; Apr. 3; v. 237; p. 49.
- Drums, Snare attachment for. H. A. Bower. No. 1,236,667; Aug. 14; v. 241; p. 400.
- Dumb-bell. E. Sandow. No. 1,229,658; June 12; v. 239; p. 483.
- Dumb-waiter system, Operating box-controlled. E. L. Dunn. No. 1,222,854; Apr. 17; v. 237; p. 721.
- Dumb-waiters, Hydraulic operating means for. E. H. Reichard and F. H. Harrold. No. 1,219,044; Mar. 13; v. 236; p. 441.
- Dump, Crossover. E. E. Bull. No. 1,229,222; June 12; v. 239; p. 835.
- Dump, Sliding-born kick-back. T. M. Boggs. No. 1,221,662; Apr. 3; v. 237; p. 228.
- Dumping and removable body. A. C. Schulz. No. 1,243,635; Oct. 16; v. 243; p. 754.
- Dumping-cages, Shoe for. G. Heeren. No. 1,246,956; Nov. 13; v. 244; p. 466.
- Dumping-cages, Locking and unlocking mechanism for. D. F. Lepley. No. 1,235,209; July 31; v. 240; p. 1328.
- Dumping device. C. E. Hilton. No. 1,225,813; May 15; v. 238; p. 680.
- Duplex wrench. C. W. McDaniel. No. 1,246,447; Nov. 13; v. 244; p. 420.
- Duplicating and addressing machine. J. Frank. No. 1,226,495; May 15; v. 238; p. 911.
- Duplicating-machine. C. E. Adamson. No. 1,220,582; Mar. 27; v. 236; p. 1045.
- Duplicating-machine. C. E. Adamson. No. 1,220,583; Mar. 27; v. 236; p. 1045.
- Duplicating-machine. A. T. Bell. No. 1,224,702; May 1; v. 238; p. 209.
- Duplicating-machine. F. F. Fecher. No. 1,222,275; Apr. 10; v. 237; p. 477.
- Duplicating-machine. F. Gottschalk. No. 1,224,634; May 1; v. 238; p. 185.
- Duplicating-machine. L. H. Maynard. No. 1,217,480; Feb. 27; v. 235; p. 1181.
- Duplicating-machine. A. F. Wegener. No. 1,243,573; Oct. 16; v. 243; p. 734.
- Duplicating-machine, Rotary. C. E. Morrison. No. 1,227,176; May 22; v. 238; p. 1179.
- Duplicating-machines, Addressing attachment for. C. E. Adamson. No. 1,220,581; Mar. 27; v. 236; p. 1044.
- Duplicating-machines, Name-plate for. C. E. Adamson. No. 1,242,117; Oct. 9; v. 243; p. 247.
- Duplicating-register. C. J. Brown. No. 1,249,893; Dec. 11; v. 245; p. 456.
- Duplicator. C. H. Newton, T. Danheiser, and F. F. Fecher. No. 1,235,917; Aug. 7; v. 241; p. 127.
- Duplicator. N. S. Seeley and F. Perry. No. 1,235,933; Aug. 7; v. 241; p. 132.
- Dust-bag. A. M. Eckenrodt. No. 1,216,787; Feb. 20; v. 235; p. 900.
- Dust by motor-vehicles, Means for preventing the raising of. B. Jones and P. J. Rees. No. 1,216,131; Feb. 13; v. 235; p. 620.
- Dust-cap. F. Nielsen. No. 1,218,111; Mar. 6; v. 236; p. 78.
- Dust-cap and wheel-holder. E. C. and H. L. Litchfield. No. 1,228,035; May 29; v. 238; p. 1496.
- Dust-catcher. F. B. Davis. No. 1,211,101; Jan. 2; v. 234; p. 248.
- Dust-collector. F. J. Bowman. No. 1,235,535; July 31; v. 240; p. 1427.
- Dust-collector. A. C. Brantingham and L. R. Key. No. 1,239,456; Sept. 11; v. 242; p. 264.
- Dust-collector. C. F. Greene. No. 1,249,070; Dec. 4; v. 245; p. 186.
- Dust-collector. J. Janes. No. 1,228,561; June 5; v. 239; p. 64.
- Dust-collector. D. R. Jones. No. 1,231,371; June 26; v. 239; p. 1128.
- Dust-collector. F. Kerlin. No. 1,233,246; July 10; v. 240; p. 595.
- Dust-collector. J. B. McHugh. No. 1,235,581; Aug. 7; v. 241; p. 17.
- Dust-collector. W. M. Robertson. No. 1,211,235; Jan. 2; v. 234; p. 296.
- Dust-collector. C. Stahn. No. 1,224,033; Apr. 24; v. 237; p. 1161.
- Dust-collector. W. H. Stevens. No. 1,232,865; July 10; v. 240; p. 474.
- Dust-collector. F. A. Wegner. No. 1,245,540; Nov. 6; v. 244; p. 120.
- Dust-collector. F. A. Wegner. No. 1,245,541; Nov. 6; v. 244; p. 121.
- Dust-guard. C. P. Astrom. No. 1,211,037; Jan. 2; v. 234; p. 229.
- Dust-guard. D. M. Bell. No. 1,234,856; July 31; v. 240; p. 1219.
- Dust-guard. R. W. Burnett. No. 1,250,138; Dec. 18; v. 245; p. 564.
- Dust-guard. S. H. Heft. No. 1,232,305; July 3; v. 240; p. 257.
- Dust-guard. L. Y. Williams. No. 1,223,649; Apr. 24; v. 237; p. 1028.
- Dust-guard. L. Y. Williams. No. 1,223,650; Apr. 24; v. 237; p. 1029.
- Dust-pan. C. R. Moss. No. 1,240,241; Sept. 18; v. 242; p. 548.
- Dust-pan. W. Pigott. No. 1,223,105; Apr. 17; v. 237; p. 807.
- Dust-pan. G. T. Wells. No. 1,225,540; May 8; v. 238; p. 544.
- Dust-pan. G. Wheale. No. 1,226,153; May 15; v. 238; p. 796.
- Dust-pan. A. W. Williams and W. O. De Kines. No. 1,238,860; Sept. 4; v. 242; p. 45.
- Dust particles and smoke from air and gases, Separation of. W. J. Baldwin. No. 1,218,354; Mar. 6; v. 236; p. 162.
- Dust-proof cap. R. Murphy. No. 1,226,240; May 15; v. 238; p. 825.
- Dust-remover for tracking devices. E. Lundberg. No. 1,212,652; Jan. 16; v. 234; p. 853.
- Dust-separator. C. R. Houghton. No. 1,232,464; July 3; v. 240; p. 306.
- Dust-separator. H. A. Thuneman. No. 1,215,890; Feb. 13; v. 235; p. 531.
- Dust-separator. M. F. Williams. No. 1,212,596; Jan. 16; v. 234; p. 831.
- Dust-separator. M. F. Williams. No. 1,214,249; Jan. 30; v. 234; p. 1466.
- Dust-separator. M. F. Williams. No. 1,236,805; Aug. 14; v. 241; p. 446.
- Dust-separator for street-sweepers. S. W. Sunday. No. 1,223,215; Apr. 17; v. 237; p. 845.
- Duster. J. S. Roeder. No. 1,248,164; Nov. 27; v. 244; p. 986.
- Duster, scrubber, and washer appliance. G. W. Hahn. No. 1,219,296; Mar. 13; v. 236; p. 526.
- Dye. W. W. Coe, Jr. No. 1,243,042; Oct. 16; v. 243; p. 576.
- Dye-beck. C. Buhl. No. 1,232,653; July 10; v. 240; p. 402.
- Dye, Blue triphenylmethane. M. Weller. No. 1,218,232; Mar. 6; v. 236; p. 120.
- Dye composition. E. O. Macdonald. No. 1,222,433; Apr. 10; v. 237; p. 534.
- Dye content of waste liquors, Commercial process for reclaiming the. T. Forsyth. No. 1,242,676; Oct. 9; v. 243; p. 425.
- Dye, Violet cotton-. M. Weiler. No. 1,244,149; Oct. 23; v. 243; p. 945.
- Dye, Yellowish-brown vat. O. Bally and H. Wolff. No. 1,216,921; Feb. 20; v. 235; p. 944.
- Dyes and dyeing. J. Flachslaender and P. G. List. No. 1,215,359; Feb. 13; v. 235; p. 339.
- Dyes and making same. Vat. R. Herz. No. 1,243,170; Oct. 16; v. 243; p. 614.
- Dyes and making same, Vat. R. Herz. No. 1,243,171; Oct. 16; v. 243; p. 614.
- Dyes and making them, Green vat. M. Kardos. No. 1,216,134; Feb. 13; v. 235; p. 621.
- Dyes and manufacture thereof. H. Heimann. No. 1,251,369; Dec. 25; v. 245; p. 980.
- Dyes and their manufacture, Sulfur. H. Heimann. No. 1,251,368; Dec. 25; v. 245; p. 980.
- Dyes, Disazo. A. Clausius, B. Schöner, and O. Siebert. No. 1,213,075; Jan. 16; v. 234; p. 998.
- Dyes, Monoazo. C. Mensching. No. 1,217,042; Feb. 20; v. 235; p. 985.
- Dyes, Ortho-oxy-mono-azo. R. Kirchhoff, J. Dedichen, and W. Lange. No. 1,219,954; Mar. 20; v. 236; p. 786.
- Dyes of the triphenylmethane series and making same. A. Stock and O. Nicodemus. No. 1,217,238; Feb. 27; v. 235; p. 1096.
- Dyes, Purifying logwood. I. Kitsee. No. 1,210,948; Jan. 2; v. 234; p. 197.
- Dyes, Sulfonating coal-tar. E. D. Kendall. No. 1,217,462; Feb. 27; v. 235; p. 1175.
- Dyeing. J. Puring. No. 1,236,868; Aug. 14; v. 241; p. 464.
- Dyeing and analogous purposes, Machinery for use in. A. Seeley. No. 1,249,677; Dec. 11; v. 245; p. 391.
- Dyeing and bleaching machine. T. Allsop and W. W. Sibson. No. 1,245,139; Oct. 30; v. 243; p. 1283.
- Dyeing and bleaching machine. T. Allsop and W. W. Sibson. No. 1,246,836; Nov. 20; v. 244; p. 572.
- Dyeing and bleaching machine. T. Allsop and W. W. Sibson. No. 1,246,835; Nov. 20; v. 244; p. 572.
- Dyeing and like apparatus, Perforated beam for. J. T. and E. Brandwood. No. 1,211,068; Jan. 2; v. 234; p. 239.
- Dyeing fur skins, Method and means for. H. C. Lubarsky. No. 1,225,447; May 8; v. 238; p. 515.
- Dyeing hanks and fabrics, Machine for. L. S. Thompson. No. 1,236,788; Aug. 14; v. 241; p. 420.
- Dyeing-machine. H. Higgs. No. 1,229,612; June 12; v. 239; p. 467.
- Dyeing machine, Log-. H. Fingerle and K. Kroupa. No. 1,239,429; Sept. 4; v. 242; p. 225.
- Dyeing machine, Yarn-. C. D. White. No. 1,215,448; Feb. 13; v. 235; p. 371.

Alphabetical list of inventions—Continued.

- Dyeing rugs. W. E. Olson. No. 1,229,779; June 12; v. 239; p. 522.
- Dyeing vegetable fibers. G. D. Burton. No. 1,214,007; Jan. 30; v. 234; p. 1384.
- Dyeing, washing, and the like. Machine or apparatus for. J. H. Milnes. No. 1,230,198; June 19; v. 239; p. 697.
- Dyestuff and making same. Disazo. R. Echüle. No. 1,241,153; Sept. 25; v. 242; p. 865.
- Dyestuff, Production of a. Z. Suzuki. No. 1,244,795; Oct. 30; v. 243; p. 1179.
- Dyestuff, Production of a. Z. Suzuki. No. 1,244,796; Oct. 30; v. 243; p. 1179.
- Dyestuffs. J. H. Stebbins, Jr. No. 1,235,253; July 31; v. 240; p. 1341.
- Dyestuffs able to be chromated and making same. Orange to red. C. Jagerspacher. No. 1,210,808; Jan. 2; v. 234; p. 148.
- Dyestuffs and making same. Chromium compound of azo. G. Engl and C. Jagerspacher. No. 1,242,536; Oct. 9; v. 243; p. 379.
- Dyestuffs and making same. Copper compounds of leucotriarymethanazo. F. Funcke and C. Jagerspacher. No. 1,237,193; Aug. 14; v. 241; p. 565.
- Dyestuffs and making same. Leucotriarymethanazo. F. Funcke and C. Jagerspacher. No. 1,237,192; Aug. 14; v. 241; p. 565.
- Dyestuffs and making same. Substantive orthooxyazo. E. Anderwert. H. Fritzsche, and H. Schobel. No. 1,210,751; Jan. 2; v. 234; p. 128.
- Dyestuffs containing groups able to be chromated, and making the same. Chromium compounds of azo. G. Engl, F. Straub, and A. Grob. No. 1,221,849; Apr. 10; v. 237; p. 327.
- Dyestuffs. Manufacture of anilin. D. De Nagy. No. 1,250,289; Dec. 18; v. 245; p. 609.
- Dyestuffs. Manufacture of copper compounds of orthooxyazo. G. Engl and C. Jagerspacher. No. 1,237,183; Aug. 14; v. 241; p. 563.
- Dyestuffs. Manufacture of leuco derivatives of vat. A. Brochet. No. 1,247,927; Nov. 27; v. 244; p. 920.
- Dynamic pressure. Utilizing. C. C. Trump. No. 1,231,971; July 3; v. 240; p. 146.
- Dynamo. V. C. Goodridge. No. 1,212,476; Jan. 16; v. 234; p. 788.
- Dynamo-belts. Protector for. H. M. Patton. No. 1,235,370; July 31; v. 240; p. 1376.
- Dynamo. Ignition-. C. T. Mason. No. 1,226,233; May 15; v. 238; p. 822.
- Dynamo. Ignition-. C. T. Mason. No. 1,234,192; July 24; v. 240; p. 975.
- Dynamo. Ignition-. C. T. Mason. No. 1,235,357; July 31; v. 240; p. 1372.
- Dynamo. Ignition-. S. C. McKeown. No. 1,232,347; July 3; v. 240; p. 270.
- Dynamo-mounting. G. Crosby. No. 1,242,528; Oct. 9; v. 243; p. 376.
- Dynamo-mounting. W. F. Richards. No. 1,242,596; Oct. 9; v. 243; p. 400.
- Dynamo suspension. W. F. Bouché. No. 1,241,492; Oct. 2; v. 243; p. 5.
- Dynamo suspension. W. F. Bouché. No. 1,242,513; Oct. 9; v. 243; p. 371.
- Dynamo suspension. G. Crosby. No. 1,242,529; Oct. 9; v. 243; p. 376.
- Dynamo suspension. W. F. Richards. No. 1,242,597; Oct. 9; v. 243; p. 400.
- Dynamos. Adjustable interrupter for ignition-. C. T. Mason. No. 1,226,982; May 22; v. 238; p. 1114.
- Dynamos. Apparatus for controlling the voltage in variable-speed illuminating-. E. Fuchs. No. 1,220,971; Mar. 27; v. 236; p. 1175.
- Dynamos. Combination coil and condenser for. C. T. Mason. No. 1,225,457; May 8; v. 238; p. 519.
- Dynamos. Interrupter-clamp for ignition-. F. C. Manning. No. 1,231,768; July 3; v. 240; p. 78.
- Dynamos. Interrupter mechanism for ignition-. C. T. Mason. No. 1,216,151; Feb. 13; v. 235; p. 626.
- Dynamometer. J. B. Davidson. No. 1,228,299; May 29; v. 238; p. 1581.
- Dynamometer. W. L. Hamilton. No. 1,233,269; July 10; v. 240; p. 602.
- Dynamometer. G. H. Walker. No. 1,249,261; Dec. 4; v. 245; p. 241.
- Dynamometer. Transmission-. F. D. Everett. No. 1,212,751; Jan. 16; v. 234; p. 888.
- Dynamometer transmission device. J. C. Green. No. 1,222,393; Apr. 10; v. 237; p. 519.
- Ear-protecting device. M. Feher. No. 1,225,422; May 8; v. 238; p. 506.
- Ear-tube. F. Gottschalk. No. 1,245,217; Nov. 6; v. 244; p. 23.
- Earth-anchor. C. R. Pieper. No. 1,250,350; Dec. 18; v. 245; p. 628.
- Earth-boring machine. A. Hunter. No. 1,245,348; Nov. 6; v. 244; p. 62.
- Earth-boring machine. J. F. Sauerman. No. 1,241,665; Oct. 2; v. 243; p. 63.
- Earth-closet. C. H. Stephenson. No. 1,222,157; Apr. 10; v. 237; p. 435.
- Earth-cutting blade. A. Hemme. No. 1,233,574; July 17; v. 240; p. 741.
- Earth-disintegrating and weeding machine, Combined. V. L. McGregor. No. 1,245,252; Nov. 6; v. 244; p. 33.
- Earthenware vessels, Apparatus for the manufacture of. H. Oakes. No. 1,230,017; June 12; v. 239; p. 598.
- Earthworking implement. J. R. Black. No. 1,229,868; June 12; v. 239; p. 553.
- Earthy material, Process of and machine for treating. M. A. Popkess. No. 1,240,481; Sept. 18; v. 242; p. 624.
- Easel. A. De Groot. No. 1,242,151; Oct. 9; v. 243; p. 258.
- Easel. O. D. Hartwell. No. 1,236,708; Aug. 14; v. 241; p. 414.
- Easel. A. A. Hunziker. No. 1,247,275; Nov. 20; v. 244; p. 699.
- Easel. A. C. Stresing. No. 1,238,594; Aug. 28; v. 241; p. 1090.
- Easel, Folding. W. G. A. Jones. No. 1,225,642; May 8; v. 238; p. 579.
- Easel-former. P. A. Becker. No. 1,237,456; Aug. 21; v. 241; p. 690.
- Easel, Newspaper-. J. McCarthy. No. 1,218,790; Mar. 13; v. 236; p. 353.
- Easy-chair, Combination. M. Mernyk. No. 1,214,701; Feb. 6; v. 235; p. 78.
- Eaves-gutter bracket and overstrap. W. H. Watson. No. 1,235,619; Aug. 7; v. 241; p. 30.
- Eaves-trough and down-spout construction, Combined. H. L. Spillman. No. 1,226,712; May 22; v. 238; p. 1019.
- Eaves-trough, Sanitary. C. W. Wicks. No. 1,243,119; Oct. 16; v. 243; p. 599.
- Eccentric. A. H. Birkland. No. 1,250,271; Dec. 18; v. 245; p. 605.
- Ecclesiastical ritual-case. A. E. Maguire. No. 1,242,570; Oct. 9; v. 243; p. 391.
- Ecraseur or such like instrument. J. P. Clare. No. 1,225,771; May 15; v. 238; p. 666.
- Edge-binder. E. Rubinstein. No. 1,227,076; May 22; v. 238; p. 1145.
- Edge-gage mechanism. J. Smith. No. 1,220,137; Mar. 20; v. 236; p. 853.
- Edge-setter. E. N. Chandler. No. 1,225,010; May 8; v. 238; p. 366.
- Edge-snipping mechanism. E. N. Andrews. No. 1,237,990; Aug. 21; v. 241; p. 860.
- Edge-trimmer. A. F. Wertman. No. 1,231,464; June 26; v. 239; p. 1159.
- Edges, Detachable covering for exposed. H. Hall. No. 1,211,439; Jan. 9; v. 234; p. 398.
- Edges, Finishing. L. T. Remick. No. 1,226,117; May 15; v. 238; p. 783.
- Edges of cloth of wearing-apparel in the process of manufacture, Machine for turning down the. W. Wilkie. No. 1,230,636; June 19; v. 239; p. 843.
- Edging. A. W. Trischett. No. 1,236,999; Aug. 14; v. 241; p. 507.
- Edging-gage. A. L. Waddell. No. 1,246,507; Nov. 13; v. 244; p. 459.
- Edging-machine. L. W. Bugbee. No. 1,227,243; May 22; v. 238; p. 1202.
- Edging-machine. V. Royle. No. 1,239,525; Sept. 11; v. 242; p. 284.
- Edging-machines. Auxiliary work-holder for. V. Royle. No. 1,230,927; June 26; v. 239; p. 976.
- Education apparatus. Arithmetical. E. T. Young. No. 1,248,238; Nov. 27; v. 244; p. 1006.
- Educational appliance. J. Barr and E. A. Myers. No. 1,228,391; June 5; v. 239; p. 5.
- Educational appliance. J. C. Conrod. No. 1,213,839; Jan. 30; v. 234; p. 1326.
- Educational appliance. H. D. De Groat. No. 1,240,031; Sept. 11; v. 242; p. 445.
- Educational appliance. A. T. McCluer. No. 1,243,957; Oct. 23; v. 243; p. 888.
- Educational appliance. O. Saenger. No. 1,229,142; June 5; v. 239; p. 258.
- Educational appliance. H. Soltoft. No. 1,244,000; Oct. 23; v. 243; p. 901.
- Educational board. A. Quinones. No. 1,213,690; Jan. 23; v. 234; p. 1245.
- Educational device. G. O. Bissey. No. 1,233,544; July 17; v. 240; p. 730.
- Educational device. C. A. B. Flenniken. No. 1,228,197; May 29; v. 238; p. 1548.
- Educational device. J. H. Fox. No. 1,218,993; Mar. 13; v. 236; p. 424.
- Educational device. J. H. Fox. No. 1,240,556; Sept. 18; v. 242; p. 646.
- Educational device. S. Gabriel. No. 1,232,021; July 3; v. 240; p. 164.
- Educational device. I. L. Lindhelm. No. 1,245,475; Nov. 6; v. 244; p. 99.
- Effervescent compound. M. D. Schon. No. 1,228,252; May 29; v. 238; p. 1566.
- Egg and cream beater. J. E. Shaeffer. No. 1,227,327; May 22; v. 238; p. 1229.
- Egg and cream whipper. F. S. Usher. No. 1,214,975; Feb. 6; v. 235; p. 173.
- Egg-beater. G. E. Alexander. No. 1,236,814; Aug. 14; v. 241; p. 448.
- Egg-beater. E. H. Johnson. No. 1,250,889; Dec. 18; v. 245; p. 789.
- Egg-beater. T. E. Jones. No. 1,246,104; Nov. 13; v. 244; p. 317.

- Egg-beater. H. K. MacMoran. No. 1,240,355; Sept. 18; v. 242; p. 584.
- Egg-beater. K. Saito. No. 1,217,832; Feb. 27; v. 235; p. 1305.
- Egg-beater. W. D. Turner. No. 1,223,839; Apr. 24; v. 237; p. 1095.
- Egg-beater. L. E. Walker. No. 1,213,561; Jan. 23; v. 234; p. 1202.
- Egg-beater. M. C. Witherbee. No. 1,250,539; Dec. 18; v. 245; p. 685.
- Egg-beater and potato-masher, Combined. M. Conner. No. 1,214,010; Jan. 30; v. 234; p. 1384.
- Egg-beater holder. F. F. Wiekstedt. No. 1,225,907; May 15; v. 238; p. 711.
- Egg-beaters, Driving mechanism for double. M. G. Briscoe. No. 1,233,748; July 17; v. 240; p. 796.
- Egg-boiling implement. E. H. Johnson. No. 1,250,888; Dec. 18; v. 245; p. 789.
- Egg-box. A. C. Bussey. No. 1,216,208; Feb. 13; v. 235; p. 646.
- Egg-candler. J. J. Finney. No. 1,223,948; Apr. 24; v. 237; p. 1132.
- Egg-candler. C. T. McLellan and D. G. Danner. No. 1,220,439; Mar. 27; v. 236; p. 995.
- Egg-candling device. M. J. Davis. No. 1,221,294; Apr. 3; v. 237; p. 104.
- Egg-carrier. A. H. Armstrong. No. 1,239,661; Sept. 11; v. 242; p. 328.
- Egg-carrier. L. A. Degginger. No. 1,227,250; May 22; v. 238; p. 1204.
- Egg-carrier. M. O. Goble. No. 1,224,373; May 1; v. 238; p. 93.
- Egg-carrier. G. W. Hartley and A. W. Seeley. No. 1,223,872; Apr. 24; v. 237; p. 1107.
- Egg-carrier. F. Kronenberger. No. 1,225,141; May 8; v. 238; p. 409.
- Egg-carrier. F. Kronenberger. No. 1,225,142; May 8; v. 238; p. 410.
- Egg-carrier. F. Kronenberger. No. 1,237,345; Aug. 21; v. 241; p. 655.
- Egg-carrier. E. M. Pletcher. No. 1,234,936; July 31; v. 240; p. 1245.
- Egg-carrier. H. L. Smith. No. 1,213,550; Jan. 23; v. 234; p. 1199.
- Egg-carrier. M. B. Wallace. No. 1,240,518; Sept. 18; v. 242; p. 635.
- Egg-carrier, Collapsible. E. O. Kraepelin. No. 1,243,075; Oct. 16; v. 243; p. 588.
- Egg-carrying package. W. C. Kitt. No. 1,221,804; Apr. 3; v. 237; p. 278.
- Egg-carton. O. C. Fenlason. No. 1,235,886; Aug. 7; v. 241; p. 117.
- Egg-case. H. Henel. No. 1,236,561; Aug. 14; v. 241; p. 365.
- Egg-case. W. E. Smith. No. 1,217,230; Feb. 27; v. 235; p. 1094.
- Egg-case, Collapsible. J. A. Hurst. No. 1,215,278; Feb. 6; v. 235; p. 277.
- Egg-case fillers, Machine for making. G. W. Bowers. No. 1,249,715; Dec. 11; v. 245; p. 403.
- Egg-case tray. J. B. Warren. No. 1,230,546; June 19; v. 239; p. 812.
- Egg-cases, Division-plate for. C. J. Voorhorst. No. 1,227,224; May 22; v. 238; p. 1195.
- Egg-container. F. Melugin. No. 1,248,369; Nov. 27; v. 244; p. 1043.
- Egg-container. T. D. Tully. No. 1,215,220; Feb. 6; v. 235; p. 257.
- Egg-cooking apparatus and timer. R. V. Blake. No. 1,230,845; June 26; v. 239; p. 951.
- Egg-cup. Hot water or steam heating. G. S. Furry. No. 1,229,739; June 12; v. 239; p. 508.
- Egg-holder. G. H. Magee. No. 1,212,976; Jan. 16; v. 234; p. 965.
- Egg-inspecting machine. M. R. Hatfield. No. 1,221,730; Apr. 3; v. 237; p. 252.
- Egg-lifter. H. W. Reynolds. No. 1,228,821; June 5; v. 239; p. 152.
- Egg, Medicated. J. G. Burns. No. 1,229,881; June 12; v. 239; p. 556.
- Egg-packing device. T. A. Rhodes. No. 1,249,197; Dec. 1; v. 245; p. 222.
- Egg-perservative. M. J. Davis. No. 1,250,567; Dec. 18; v. 245; p. 694.
- Egg-perserving apparatus. V. Clairmont. No. 1,224,711; May 1; v. 238; p. 212.
- Egg-perserving composition. J. W. Williams. No. 1,245,294; Nov. 6; v. 244; p. 46.
- Egg-perserving compound. H. D. Bostock. No. 1,212,445; Jan. 16; v. 234; p. 778.
- Egg-separator. F. L. Marcille. No. 1,213,120; Jan. 16; v. 234; p. 1014.
- Egg-separator. H. Norman. No. 1,216,245; Feb. 13; v. 235; p. 658.
- Egg-separator and beating device, Combined. P. Tripke. No. 1,237,585; Aug. 21; v. 241; p. 731.
- Egg-separator and juice-extractor, and beating device, Combined. P. Tripke. No. 1,238,461; Aug. 28; v. 241; p. 1047.
- Egg-shipment case. F. Koht. No. 1,223,055; Apr. 17; v. 237; p. 790.
- Egg-shipment case. J. H. Spangler. No. 1,226,823; May 22; v. 238; p. 1058.
- Egg-shipment package. H. S. Smith. No. 1,223,209; Apr. 17; v. 237; p. 843.
- Egg-stamping device. L. Weiler. No. 1,238,229; Aug. 28; v. 241; p. 971.
- Egg-tester. W. A. Fox. No. 1,210,788; Jan. 2; v. 234; p. 141.
- Egg-tester. R. W. Gilpin. No. 1,229,936; June 12; v. 239; p. 573.
- Egg-tester. C. W. Holmes. No. 1,222,403; Apr. 10; v. 237; p. 523.
- Egg-tester. J. H. Kate. No. 1,226,078; May 15; v. 238; p. 771.
- Egg-tester. W. A. Leyer. No. 1,247,426; Nov. 20; v. 244; p. 742.
- Egg-tester. J. Schaeffer. No. 1,218,491; Mar. 6; v. 236; p. 204.
- Egg-tester. F. F. Stone. No. 1,211,889; Jan. 9; v. 234; p. 554.
- Egg-tester. W. B. Timberlake. No. 1,221,629; Apr. 3; v. 237; p. 218.
- Egg-tester. C. Von Culin. No. 1,210,733; Jan. 2; v. 234; p. 123.
- Egg-tester. J. B. Warren. No. 1,216,634; Feb. 20; v. 235; p. 848.
- Egg-tester. C. P. Woodall. No. 1,235,869; Aug. 7; v. 241; p. 111.
- Egg tester and handler. P. S. Rakowski. No. 1,242,979; Oct. 16; v. 243; p. 555.
- Egg-testing device. H. Hickman. No. 1,236,080; Aug. 7; v. 241; p. 178.
- Egg-tray stop, Adjustable. H. W. Loder. No. 1,245,747; Nov. 6; v. 244; p. 182.
- Egg-treating apparatus. V. Clairmont. No. 1,224,710; May 1; v. 238; p. 212.
- Egg-turner. I. M. Frye. No. 1,222,617; Apr. 17; v. 237; p. 639.
- Eggs and the like, Container for. H. P. Dwyer. No. 1,225,704; May 8; v. 238; p. 600.
- Eggs, Desiccating. T. C. Promavese. No. 1,226,999; May 22; v. 238; p. 1120.
- Eggs, Device for safe transportation of. F. K. Plumbly. No. 1,219,039; Mar. 13; v. 236; p. 440.
- Eggs, Device for separating the whites and yolks of. A. Sobock. No. 1,214,720; Feb. 6; v. 235; p. 84.
- Eggs, Making medicated nest-. J. G. Burns. No. 1,223,144; Apr. 17; v. 237; p. 821.
- Eggs, Preserving. F. E. De la Mota. No. 1,229,592; June 12; v. 239; p. 460.
- Ejector. M. Leblanc. No. 1,215,321; Feb. 6; v. 235; p. 292.
- Ejector-control apparatus. R. Suczek. No. 1,239,535; Sept. 11; v. 242; p. 288.
- Ejector control, Automatic. G. L. Kothny and R. Suczek. No. 1,240,858; Sept. 25; v. 242; p. 773.
- Ejector, Fluid-operated. A. E. L. Scanes. No. 1,228,608; June 5; v. 239; p. 80.
- Elastic crib. L. H. Dickelman. No. 1,247,511; Nov. 20; v. 244; p. 766.
- Elastic strip. A. W. Geiger. No. 1,211,696; Jan. 9; v. 234; p. 485.
- Elastic webbing. A. Turner. No. 1,221,489; Apr. 3; v. 237; p. 171.
- Elastic wheel for vehicles. M. and R. Baudon. No. 1,228,538; June 5; v. 239; p. 89.
- Elbow, Adjustable mechanical. C. E. Larson. No. 1,218,672; Mar. 13; v. 236; p. 308.
- Elbow-fittings. H. A. Poppenhusen and A. P. Strong. No. 1,243,874; Oct. 23; v. 243; p. 864.
- Elbow-forming machine. M. L. Hunker. No. 1,218,183; Mar. 6; v. 236; p. 102.
- Elbows, Making. C. A. Dies. No. 1,225,788; May 15; v. 238; p. 671.
- Electric accumulator. C. de Sedneff. No. 1,213,467; Jan. 23; v. 234; p. 1169.
- Electric alarm. J. Banneyer. No. 1,239,450; Sept. 11; v. 242; p. 262.
- Electric amplifier system. H. C. Egerton. No. 1,232,514; July 10; v. 240; p. 359.
- Electric annunciating system. D. L. Martyn. No. 1,245,485; Nov. 6; v. 244; p. 102.
- Electric apparatus. A. Benko. No. 1,233,304; July 17; v. 240; p. 649.
- Electric apparatus for bulletin-boards, signs, &c. M. J. Brown. No. 1,235,005; July 31; v. 240; p. 1267.
- Electric apparatus, Vapor. P. C. Hewitt. No. 1,230,708; June 19; v. 239; p. 866.
- Electric apparatus, Vapor. R. P. Jackson. No. 1,248,497; Dec. 4; v. 245; p. 20.
- Electric apparatus, Vapor. F. G. Keyes. No. 1,235,699; Aug. 7; v. 241; p. 54.
- Electric apparatus, Vapor. P. H. Thomas. No. 1,214,613; Feb. 6; v. 235; p. 46.
- Electric-arc-control mechanism, Automatic. H. M. Baker, Jr. No. 1,239,759; Sept. 11; v. 242; p. 360.
- Electric-arc furnace. O. J. S. Platon. No. 1,241,655; Oct. 2; v. 243; p. 60.
- Electric battery. C. E. Avery. No. 1,236,135; Aug. 7; v. 241; p. 194.
- Electric battery. R. C. Benner and H. F. French. No. 1,225,306; May 8; v. 238; p. 466.
- Electric battery. W. R. Clymer. No. 1,242,657; Oct. 9; v. 243; p. 418.
- Electric battery. J. E. Dunn. No. 1,233,204; July 10; v. 240; p. 584.

- Electric battery. H. F. French. No. 1,251,005; Dec. 25; v. 245; p. 874.
- Electric battery. M. E. Holmes. No. 1,216,450; Feb. 20; v. 235; p. 783.
- Electric battery, Portable. I. Fertman. No. 1,213,175; Jan. 23; v. 234; p. 1066.
- Electric bells, &c., Vibrating self-interrupter for. W. E. R. Rademaker. No. 1,242,038; Oct. 2; v. 243; p. 181.
- Electric boiler. O. E. Sarr. No. 1,251,116; Dec. 25; v. 245; p. 905.
- Electric brake, Automatic. W. V. Turner and P. H. Donovan. No. 1,228,497; June 5; v. 239; p. 42.
- Electric bulbs, Device for attaching and detaching. J. A. Price. No. 1,210,835; Jan. 2; v. 234; p. 156.
- Electric cable. L. Clark. No. 1,231,568; July 3; v. 240; p. 9.
- Electric cable. C. W. Lowe. No. 1,246,964; Nov. 20; v. 244; p. 610.
- Electric-cable attachment. J. A. Sandford, Jr. No. 1,215,201; Feb. 6; v. 235; p. 251.
- Electric-cable clamp. M. Gueff. No. 1,225,125; May 8; v. 238; p. 404.
- Electric-cable conduits, Slip-coupling for. M. Blumenthal. No. 1,218,621; Mar. 13; v. 236; p. 291.
- Electric-cable joint. A. E. Tanner and E. A. Claremont. No. 1,223,444; Apr. 24; v. 237; p. 954.
- Electric cables, Manufacture of. W. F. Smith. No. 1,223,434; Apr. 24; v. 237; p. 951.
- Electric cables, Means for preventing current leakage in. S. D. Sprong and W. E. McCoy. No. 1,227,211; May 22; v. 238; p. 1190.
- Electric cables, Means for preventing current leakage in. S. D. Sprong and W. E. McCoy. No. 1,237,401; Aug. 21; v. 241; p. 673.
- Electric circuit. M. Loughridge. No. 1,242,457; Oct. 9; v. 243; p. 354.
- Electric-circuit breaker. S. F. Nielssen. No. 1,213,937; Jan. 30; v. 234; p. 1359.
- Electric-circuit-breaking device. F. S. Perrin. No. 1,213,799; Jan. 23; v. 234; p. 1282.
- Electric circuit-closing device. W. A. Kilmer. No. 1,220,342; Mar. 27; v. 236; p. 961.
- Electric-circuit controller. J. M. Andersen. No. 1,250,754; Dec. 18; v. 245; p. 748.
- Electric-circuit controller. E. A. Halbleib and T. L. Lee. No. 1,238,667; Aug. 28; v. 241; p. 1112.
- Electric-circuit controller. W. C. Neahr. No. 1,217,982; Mar. 6; v. 236; p. 33.
- Electric-circuit controller. T. Varney. No. 1,215,437; Feb. 13; v. 235; p. 367.
- Electric-circuit-controlling apparatus. O. I. Judelson. No. 1,237,649; Aug. 21; v. 241; p. 752.
- Electric circuit-controlling device. J. Friis. No. 1,234,334; July 24; v. 240; p. 1086.
- Electric circuit-making device. R. B. Benjamin. No. 1,246,845; Nov. 20; v. 244; p. 575.
- Electric-circuit-protecting apparatus. K. von Kando. No. 1,246,686; Nov. 13; v. 244; p. 492.
- Electric-circuit-protecting means. A. Herz. No. 1,213,365; Jan. 23; v. 234; p. 1134.
- Electric-circuit protective apparatus. E. W. Vogel. No. 1,210,568; Jan. 2; v. 234; p. 66.
- Electric-circuit switch. R. Wikander. No. 1,241,592; Oct. 2; v. 243; p. 41.
- Electric circuit, Variable magnetic-opposed reaction-coil. I. E. Aske. No. 1,220,166; Mar. 27; v. 236; p. 898.
- Electric circuits, Apparatus for transmitting impulses or current in. C. L. Goodrum and B. G. Dunham. No. 1,221,308; Apr. 3; v. 237; p. 108.
- Electric circuits, Combination-lock for. J. F. Hendrickson. No. 1,239,790; Sept. 11; v. 242; p. 370.
- Electric circuits, Resistance unit for. W. A. Chryst. No. 1,227,038; May 22; v. 238; p. 1132.
- Electric conducting ground-rod. G. W. Soengen. No. 1,243,774; Oct. 23; v. 243; p. 832.
- Electric conductor. A. H. and C. D. McCulloch. No. 1,216,337; Feb. 20; v. 235; p. 742.
- Electric-conductor-insulating support. J. A. Koontz, Jr. No. 1,215,549; Feb. 13; v. 235; p. 408.
- Electric-conductor reel. H. R. Huling. No. 1,216,319; Feb. 20; v. 235; p. 736.
- Electric-conductor support. O. Mueller and W. D. Hamer. No. 1,246,304; Nov. 13; v. 244; p. 377.
- Electric conductors, Connector for. H. F. Maxim. No. 1,213,393; Jan. 23; v. 234; p. 1143.
- Electric conductors, Outlet-box for. W. I. Patterson. No. 1,236,754; Aug. 14; v. 241; p. 429.
- Electric conductors, Terminal clip for. B. A. Jeffery. No. 1,214,470; Jan. 30; v. 234; p. 1541.
- Electric conductors, Winding and reeling device for. P. J. Ruffalo. No. 1,245,034; Oct. 30; v. 243; p. 1251.
- Electric-conduit fitting. D. C. Gidley. No. 1,223,865; Apr. 24; v. 237; p. 1105.
- Electric-conduit fitting. S. B. Van Ranst. No. 1,243,902; Oct. 23; v. 243; p. 873.
- Electric-conduit outlet-box. W. A. Bonnell. No. 1,234,271; July 24; v. 240; p. 1000.
- Electric-conduit terminal. F. I. Johnson. No. 1,217,604; Feb. 27; v. 235; p. 1226.
- Electric conduits, Connection for. G. L. Stewart. No. 1,226,921; May 22; v. 238; p. 1091.
- Electric conduits, Terminal fitting for. J. C. Phelps. No. 1,224,320; May 1; v. 238; p. 74.
- Electric connection, Swivel. W. Schade. No. 1,241,030; Sept. 25; v. 242; p. 826.
- Electric connector. J. Berg. No. 1,249,711; Dec. 11; v. 245; p. 402.
- Electric connector. W. P. Hammond. No. 1,213,632; Jan. 23; v. 234; p. 1226.
- Electric connector, Indicating. C. Horn. No. 1,229,460; June 12; v. 239; p. 415.
- Electric connectors, Connecting device for. P. F. Williams. No. 1,225,300; May 8; v. 238; p. 464.
- Electric contact-box. A. W. Slater. No. 1,227,837; May 29; v. 238; p. 1429.
- Electric contact device. A. A. Kent. No. 1,246,818; Nov. 13; v. 244; p. 530.
- Electric contact device. E. W. Vogel. No. 1,234,237; July 24; v. 240; p. 990.
- Electric control apparatus. W. M. Scott. No. 1,235,932; Aug. 7; v. 241; p. 132.
- Electric control system. N. Joleen. No. 1,229,470; June 12; v. 239; p. 419.
- Electric control system. F. Rieber. No. 1,225,860; May 15; v. 238; p. 696.
- Electric control systems, Auxiliary device for automatic. J. V. Geraghty. No. 1,230,150; June 19; v. 239; p. 680.
- Electric controller. J. H. Hall. (Reissue.) No. 1,4394; Nov. 13; v. 244; p. 537.
- Electric controller. H. F. Stratton. No. 1,225,686; May 8; v. 238; p. 594.
- Electric controller. C. D. Vest. No. 1,215,592; Feb. 13; v. 235; p. 425.
- Electric controller, Automatic. B. W. Sweet. No. 1,223,530; Apr. 24; v. 237; p. 987.
- Electric controlling and feeding apparatus. S. B. Blakely. No. 1,226,451; May 15; v. 238; p. 896.
- Electric controlling mechanism. O. H. and A. F. Pieper. No. 1,211,752; Jan. 9; v. 234; p. 503.
- Electric controlling system. H. S. Valentine. No. 1,243,571; Oct. 16; v. 243; p. 733.
- Electric couple, Thermo-. W. H. Bristol. (Reissue.) No. 1,4243; Jan. 9; v. 234; p. 649.
- Electric coupling. R. G. Averill. No. 1,237,857; Aug. 21; v. 241; p. 817.
- Electric coupling. T. R. Brown. No. 1,244,949; Oct. 30; v. 243; p. 1226.
- Electric coupling device. T. R. Brown. No. 1,222,599; Apr. 17; v. 237; p. 633.
- Electric coupling for train-line circuits. T. R. Brown. No. 1,242,517; Oct. 9; v. 243; p. 373.
- Electric coupling, Manually-operated. T. R. Brown. No. 1,243,700; Oct. 23; v. 243; p. 806.
- Electric current as arcs, Means for transferring high-potential. C. G. Koppitz. No. 1,233,584; July 17; v. 240; p. 744.
- Electric-current brush structure. O. E. Becker. No. 1,221,818; Apr. 10; v. 237; p. 316.
- Electric-current collector. A. G. Taylor. No. 1,211,006; Jan. 2; v. 234; p. 218.
- Electric-current generator, Intermittent. J. Carter. No. 1,231,126; June 26; v. 239; p. 1047.
- Electric-current interrupter. K. Trosdahl. No. 1,231,221; June 26; v. 239; p. 1078.
- Electric currents for ignition and battery-storing purposes, System and method of generating and utilizing. L. J. Le Pontois. No. 1,235,522; July 31; v. 240; p. 1422.
- Electric currents into interrupted alternating currents, Apparatus for changing direct. A. C. Hely. No. 1,242,549; Oct. 9; v. 243; p. 383.
- Electric currents, Means for producing, controlling, and utilizing. C. E. Fritts. No. 1,213,616; Jan. 23; v. 234; p. 1221.
- Electric currents, Process of and apparatus for interconverting and adjusting the relative voltage of high-potential alternating and direct. C. G. Koppitz. No. 1,244,614; Oct. 30; v. 243; p. 1124.
- Electric currents, Rectifier for alternating. C. Gilbert and E. J. Arnold. No. 1,239,588; Sept. 11; v. 242; p. 305.
- Electric cut-off mechanism. M. M. Stevens and T. J. Newcome. No. 1,213,705; Jan. 23; v. 234; p. 1250.
- Electric cut-out box. L. Kossoy. No. 1,219,468; Mar. 20; v. 236; p. 616.
- Electric detector-circuit. F. J. Sprague. No. 1,248,942; Dec. 4; v. 245; p. 150.
- Electric device, Vapor. H. F. Perkins. No. 1,240,772; Sept. 18; v. 242; p. 715.
- Electric discharge apparatus. C. Field-Frank. No. 1,238,660; Aug. 28; v. 241; p. 1109.
- Electric distributing system. C. L. Fortescue. No. 1,227,772; May 29; v. 238; p. 1406.
- Electric distributing system. W. L. Waters. No. 1,250,536; Dec. 18; v. 245; p. 684.
- Electric distributing systems, Protective device for. C. J. Barrow. No. 1,220,813; Mar. 27; v. 236; p. 1123.
- Electric distribution. J. L. Creveling. No. 1,244,960; Oct. 30; v. 243; p. 1229.
- Electric distribution system. V. G. Apple. No. 1,220,165; Mar. 27; v. 236; p. 898.
- Electric fitting. F. V. Burton. No. 1,245,673; Nov. 6; v. 244; p. 162.
- Electric fitting. J. Cuthbert. No. 1,220,608; Mar. 27; v. 236; p. 1054.

- Electric fitting. G. B. Thomas. No. 1,235,397; July 31; v. 240; p. 1384.
- Electric fixture. G. A. Harter. No. 1,249,389; Dec. 11; v. 245; p. 308.
- Electric fixture. G. A. Harter. No. 1,250,581; Dec. 18; v. 245; p. 698.
- Electric fixture. R. W. Purcell. No. 1,248,161; Nov. 27; v. 244; p. 985.
- Electric fixtures, Bridge for supporting. J. R. Gunn. No. 1,213,865; Jan. 30; v. 234; p. 1334.
- Electric fixtures, Conjunction member for. G. A. Boomer. No. 1,233,640; July 17; v. 240; p. 763.
- Electric fixtures, Illuminating device for. R. E. Houghton and M. J. Hanlon. No. 1,227,144; May 22; v. 238; p. 1169.
- Electric furnace. F. T. Cope. No. 1,218,058; Mar. 6; v. 236; p. 59.
- Electric furnace. J. L. Dixon. No. 1,241,351; Sept. 25; v. 242; p. 928.
- Electric furnace. C. H. Fulton. No. 1,242,341; Oct. 9; v. 243; p. 318.
- Electric furnace. D. R. Knapp. No. 1,240,460; Sept. 18; v. 242; p. 618.
- Electric furnace. C. G. Miner. No. 1,232,362; July 3; v. 240; p. 275.
- Electric furnace. H. de Nolly. No. 1,216,961; Feb. 20; v. 235; p. 957.
- Electric furnace. C. A. Pfanstiehl. No. 1,217,497; Feb. 27; v. 235; p. 1188.
- Electric furnace. C. A. Pfanstiehl. No. 1,218,582; Mar. 6; v. 236; p. 239.
- Electric furnace. E. F. Price. No. 1,239,214; Sept. 4; v. 242; p. 158.
- Electric furnace. E. F. Price. No. 1,239,215; Sept. 4; v. 242; p. 158.
- Electric furnace. F. C. Schmitz. No. 1,226,264; May 15; v. 238; p. 837.
- Electric furnace. I. R. Valentine. No. 1,242,275; Oct. 9; v. 243; p. 296.
- Electric furnace and method of operation. W. K. Booth. No. 1,244,415; Oct. 23; v. 243; p. 1025.
- Electric furnace and producing molten magnetite therein. A. P. Scott. No. 1,226,122; May 15; v. 238; p. 785.
- Electric furnace for fixing nitrogen from the air. S. Barfoed. No. 1,232,179; July 3; v. 240; p. 216.
- Electric furnace for fusing metals. J. Thomson. No. 1,214,841; Feb. 6; v. 235; p. 123.
- Electric furnace for producing endothermic gas reactions. R. Pfachler and I. Hechenbleikner. No. 1,249,479; Dec. 11; v. 245; p. 334.
- Electric furnace, Multiple-hearth. A. Helfenstein. No. 1,223,278; Apr. 17; v. 237; p. 863.
- Electric furnace, Polyphase. J. L. Dixon. No. 1,241,499; Oct. 2; v. 243; p. 7.
- Electric furnace, Polyphase. J. L. Dixon. No. 1,248,632; Dec. 4; v. 245; p. 61.
- Electric fuse, Inclosed. R. C. Cole. No. 1,244,589; Oct. 30; v. 243; p. 1117.
- Electric generating apparatus, Automatic. C. F. Strong. No. 1,225,283; May 8; v. 238; p. 456.
- Electric generating apparatus, Automatic. C. F. Strong. No. 1,225,284; May 8; v. 238; p. 457.
- Electric generating plant, Automatic. C. B. Walker. No. 1,217,670; Feb. 27; v. 235; p. 1250.
- Electric generator. M. Arendt. No. 1,237,272; Aug. 21; v. 241; p. 630.
- Electric generator. H. K. Kouyoumjian. No. 1,219,564; Mar. 20; v. 236; p. 651.
- Electric generator. C. T. Mason. No. 1,236,732; Aug. 14; v. 241; p. 421.
- Electric generator. J. C. Morgan. No. 1,229,308; June 12; v. 239; p. 364.
- Electric generator. L. J. Le Pontois. No. 1,223,704; Apr. 24; v. 237; p. 1048.
- Electric generator. J. M. Wilson. No. 1,219,520; Mar. 20; v. 236; p. 634.
- Electric generator and motor. H. R. Stuart. No. 1,238,213; Aug. 28; v. 241; p. 965.
- Electric generator, Dynamo-. A. H. Darker. No. 1,237,306; Aug. 21; v. 241; p. 641.
- Electric generator, Wind-wheel. A. H. Heyroth. No. 1,233,232; July 10; v. 240; p. 591.
- Electric generators, Governor and automatic cut-out for. S. F. Johnson and L. P. Ayres. No. 1,219,001; Mar. 13; v. 236; p. 427.
- Electric generators, Magnetic reciprocator for. E. R. O'Keefe. No. 1,215,401; Feb. 13; v. 235; p. 353.
- Electric heat-storage heating unit. M. E. Louth and J. Jackson. No. 1,238,793; Sept. 4; v. 242; p. 23.
- Electric heater. H. A. Black. No. 1,247,210; Nov. 20; v. 244; p. 681.
- Electric heater. C. F. Bradburn. No. 1,233,968; July 17; v. 240; p. 868.
- Electric heater. E. N. Brown. No. 1,245,084; Oct. 30; v. 243; p. 1266.
- Electric heater. H. W. Denhard. No. 1,243,490; Oct. 16; v. 243; p. 710.
- Electric heater. R. R. Grimshaw and L. R. Jones. No. 1,220,508; Mar. 27; v. 236; p. 1018.
- Electric heater. C. O. Harmon. No. 1,219,940; Mar. 20; v. 236; p. 781.
- Electric heater. A. Harth. No. 1,242,687; Oct. 9; v. 243; p. 428.
- Electric heater. L. Heller. No. 1,216,313; Feb. 20; v. 235; p. 734.
- Electric heater. F. W. Hewitt. No. 1,238,727; Aug. 28; v. 241; p. 1129.
- Electric heater. E. Keen. No. 1,220,235; Mar. 27; v. 236; p. 921.
- Electric heater. W. A. La Motte. No. 1,242,209; Oct. 9; v. 243; p. 276.
- Electric heater. J. Lawrence. No. 1,213,507; Jan. 23; v. 234; p. 1182.
- Electric heater. J. F. McElroy. No. 1,227,637; May 29; v. 238; p. 1360.
- Electric heater. J. O'Connor. No. 1,251,411; Dec. 25; v. 245; p. 991.
- Electric heater. A. W. and J. E. Person. No. 1,212,254; Jan. 16; v. 234; p. 711.
- Electric heater. J. Porzel. No. 1,216,605; Feb. 20; v. 235; p. 838.
- Electric heater. V. Slater and L. D. West. No. 1,211,973; Jan. 9; v. 234; p. 586.
- Electric heater. W. B. Underwood. No. 1,215,748; Feb. 13; v. 235; p. 480.
- Electric heater for hot-water tanks. R. A. Willson. No. 1,244,817; Oct. 30; v. 243; p. 1186.
- Electric heater, Luminous. F. Kuhn and F. E. Shailor. No. 1,231,750; July 3; v. 240; p. 72.
- Electric heaters, Automatic circuit-closer for. M. H. Farley. No. 1,228,195; May 29; v. 238; p. 1547.
- Electric heaters, Automatic controlling means for. J. E. Harvey. No. 1,235,796; Aug. 7; v. 241; p. 87.
- Electric hot-pad, Articulated metal shell for an. H. D. Laraway and B. Falkenberg. No. 1,240,584; Sept. 18; v. 242; p. 654.
- Electric hot-plate or heat unit. M. E. Louth and J. Jackson. No. 1,238,792; Sept. 4; v. 242; p. 22.
- Electric hot-plate or heat unit. J. C. Patten. No. 1,233,395; July 17; v. 240; p. 681.
- Electric hot-plate or heating unit. J. C. Patten. No. 1,238,807; Sept. 4; v. 242; p. 28.
- Electric hot-plate or heating unit. J. C. Patten. No. 1,238,808; Sept. 4; v. 242; p. 28.
- Electric-horn control. B. F. Stephenson. No. 1,212,709; Jan. 16; v. 234; p. 874.
- Electric ignition apparatus. E. S. Huff. No. 1,236,941; Aug. 14; v. 241; p. 489.
- Electric ignition system. R. McClenathen. No. 1,221,201; Apr. 3; v. 237; p. 71.
- Electric ignition systems, Distributer for. J. F. Cavanagh. No. 1,217,566; Feb. 27; v. 235; p. 1213.
- Electric indicator. H. H. Riggs. No. 1,241,151; Sept. 25; v. 242; p. 864.
- Electric indicator, Float-controlled. S. Deutsch. No. 1,222,189; Apr. 10; v. 237; p. 447.
- Electric induction-furnace. J. Funck. No. 1,226,764; May 22; v. 238; p. 1038.
- Electric induction-furnace. P. Wright. No. 1,218,151; Mar. 6; v. 236; p. 92.
- Electric instruments, glow-lamps and the like, Cut-out for. A. J. Downes. No. 1,217,720; Feb. 27; v. 235; p. 1266.
- Electric insulation. J. A. Heany. No. 1,211,443; Jan. 9; v. 234; p. 400.
- Electric iron. C. S. and D. Palmer. No. 1,231,056; June 26; v. 239; p. 1022.
- Electric-iron heater, Stationary. A. S. Iserson. No. 1,217,000; Feb. 20; v. 235; p. 971.
- Electric-iron stand. W. E. Mayo. No. 1,245,941; Nov. 6; v. 244; p. 241.
- Electric jack. H. Kocourek. No. 1,224,652; May 1; v. 238; p. 191.
- Electric lead-in fixture. A. F. Walther. No. 1,249,866; Dec. 11; v. 245; p. 448.
- Electric leads, Connector for. P. Clerget. No. 1,236,404; Aug. 14; v. 241; p. 312.
- Electric-light apparatus. N. Papa. No. 1,240,770; Sept. 18; v. 242; p. 712.
- Electric-light bulb and the fittings therein. D. R. Baity. No. 1,248,059; Nov. 27; v. 244; p. 955.
- Electric-light buoy, Automatic. H. Hartman. No. 1,248,850; Dec. 4; v. 245; p. 126.
- Electric-light-control system. J. H. Jordan. No. 1,241,520; Oct. 2; v. 243; p. 15.
- Electric-light controller. R. A. Granquist. No. 1,250,302; Dec. 18; v. 245; p. 614.
- Electric-light fitting or bracket. E. R. Hough and L. Harrison. No. 1,211,847; Jan. 9; v. 234; p. 539.
- Electric-light fixture. R. M. Beard. No. 1,243,481; Oct. 16; v. 243; p. 707.
- Electric-light fixture. C. F. Dolle. No. 1,228,762; June 5; v. 239; p. 132.
- Electric-light fixture. G. A. Harter. No. 1,250,580; Dec. 18; v. 245; p. 697.
- Electric-light fixture. C. W. King. No. 1,213,384; Jan. 23; v. 234; p. 1140.
- Electric-light fixture. W. D. Kyle. No. 1,248,502; Dec. 4; v. 245; p. 21.
- Electric-light fixture. G. Marx. No. 1,238,549; Aug. 28; v. 241; p. 1076.
- Electric-light fixtures, Supporting means for. H. A. Framburg. No. 1,214,667; Feb. 6; v. 235; p. 65.
- Electric light, Portable. W. Bauer. No. 1,241,077; Sept. 25; v. 242; p. 840.
- Electric light, Portable. B. Benedict. No. 1,246,225; Nov. 13; v. 244; p. 353.

Alphabetical list of inventions—Continued.

- Electric light, Portable. C. Hubert. No. 1,220,634; Mar. 27; v. 236; p. 1063.
- Electric light, Portable. G. A. Soehnlein. No. 1,237,112; Aug. 14; v. 241; p. 544.
- Electric light, Portable. G. W. Wacker. No. 1,238,850; Sept. 4; v. 242; p. 42.
- Electric light, Portable. W. H. Zachmann. No. 1,241,071; Sept. 25; v. 242; p. 839.
- Electric-light regulator. L. Sykes. No. 1,237,124; Aug. 14; v. 241; p. 547.
- Electric-light shade. G. Elias and W. Mendel. No. 1,217,582; Feb. 27; v. 235; p. 1219.
- Electric-light snap-switches, Attachment for. F. Callicteau. No. 1,228,293; May 29; v. 238; p. 1579.
- Electric-light socket. T. A. C. Both. No. 1,214,644; Feb. 6; v. 235; p. 57.
- Electric-light socket. T. A. C. Both. No. 1,230,848; June 26; v. 239; p. 952.
- Electric-light socket. A. H. Buckelew. No. 1,230,662; June 19; v. 239; p. 851.
- Electric-light stand. R. D. H. Anderson. No. 1,222,915; Apr. 17; v. 237; p. 741.
- Electric-light support. G. A. Centolella. No. 1,231,848; July 3; v. 240; p. 106.
- Electric-light switch. F. H. Hart. No. 1,227,132; May 22; v. 238; p. 1165.
- Electric lighting and heating of railway and other vehicles. C. H. Vidal. No. 1,241,310; Sept. 25; v. 242; p. 917.
- Electric lighting and heating purposes, Controller device for. F. H. Hoffman. No. 1,221,451; Apr. 3; v. 237; p. 158.
- Electric-lighting apparatus. C. Wirt. No. 1,238,868; Sept. 4; v. 242; p. 47.
- Electric-lighting apparatus for vehicles. W. H. Honsberger. No. 1,234,028; July 17; v. 240; p. 886.
- Electric-lighting fixture. C. A. Brown and A. M. Klingman. No. 1,246,047; Nov. 13; v. 244; p. 301.
- Electric-lighting fixture. A. Cohn and L. H. Debs. No. 1,225,411; May 8; v. 238; p. 502.
- Electric-lighting system. S. F. Arbuckle. No. 1,223,134; Apr. 17; v. 237; p. 817.
- Electric-lights, Circuit-controller for portable. W. Bauer. No. 1,236,657; Aug. 14; v. 241; p. 396.
- Electric lines, Automatic cut-out for. R. Johansson. No. 1,233,062; July 10; v. 240; p. 537.
- Electric lines, Excess-voltage-protecting device for. T. A. F. Holmgren and K. A. Lindström. No. 1,236,563; Aug. 14; v. 241; p. 365.
- Electric lock. S. B. Hess. No. 1,221,322; Apr. 3; v. 237; p. 114.
- Electric log. L. C. Eddy. No. 1,248,637; Dec. 4; v. 245; p. 63.
- Electric machine. C. F. Kettering and W. A. Chryst. No. 1,229,754; June 12; v. 239; p. 513.
- Electric machine. F. G. Liljenroth. No. 1,247,297; Nov. 20; v. 244; p. 705.
- Electric machine. R. H. Wappler. No. 1,218,022; Mar. 6; v. 236; p. 46.
- Electric machine, Alternating-current dynamo. L. J. Hunt. No. 1,244,983; Oct. 30; v. 243; p. 1236.
- Electric machine, Alternating-current dynamo. L. J. Hunt. No. 1,246,602; Nov. 13; v. 244; p. 468.
- Electric machine and starting therefor, Synchronous dynamo. E. Rosenberg. No. 1,231,652; July 3; v. 240; p. 38.
- Electric-machine commutators, Apparatus for truing up. A. Norrel. No. 1,249,655; Dec. 11; v. 245; p. 384.
- Electric-machine cover, Dynamo. C. W. Starker. No. 1,238,590; Aug. 28; v. 241; p. 1088.
- Electric machine, Dynamo. T. S. Allen. No. 1,210,750; Jan. 2; v. 234; p. 128.
- Electric machine, Dynamo. S. R. Bergman. No. 1,221,657; Apr. 3; v. 237; p. 227.
- Electric machine, Dynamo. J. L. Davis. (Reissue.) No. 1,430; Oct. 2; v. 243; p. 206.
- Electric machine, Dynamo. G. M. Eaton. No. 1,214,143; Jan. 30; v. 234; p. 1430.
- Electric machine, Dynamo. A. B. Field. No. 1,227,414; May 22; v. 238; p. 1255.
- Electric machine, Dynamo. A. B. Field. No. 1,241,503; Oct. 2; v. 243; p. 9.
- Electric machine, Dynamo. J. Geisslinger. No. 1,210,638; Jan. 2; v. 234; p. 90.
- Electric machine, Dynamo. J. Geisslinger. No. 1,210,639; Jan. 2; v. 234; p. 91.
- Electric machine, Dynamo. R. E. Hellmund. No. 1,233,353; July 17; v. 240; p. 665.
- Electric machine, Dynamo. R. E. Hellmund. No. 1,233,354; July 17; v. 240; p. 666.
- Electric machine, Dynamo. E. B. Jacobson. No. 1,235,803; Aug. 7; v. 241; p. 89.
- Electric machine, Dynamo. L. F. Johnson. No. 1,236,309; Aug. 7; v. 241; p. 249.
- Electric machine, Dynamo. C. L. Kennedy. No. 1,238,923; Sept. 4; v. 242; p. 65.
- Electric machine, Dynamo. J. A. Kuyser. No. 1,238,304; Aug. 28; v. 241; p. 996.
- Electric machine, Dynamo. B. G. Lamme. No. 1,244,509; Oct. 30; v. 243; p. 1092.
- Electric machine, Dynamo. G. M. Larsson. No. 1,244,868; Oct. 30; v. 243; p. 1201.
- Electric machine, Dynamo. M. Latour. No. 1,234,914; July 31; v. 240; p. 1239.
- Electric machine, Dynamo. A. H. Neuland. No. 1,211,617; Jan. 9; v. 234; p. 458.
- Electric machine, Dynamo. A. H. Neuland. No. 1,212,544; Jan. 16; v. 234; p. 812.
- Electric machine, Dynamo. A. H. Neuland. No. 1,223,094; Apr. 17; v. 237; p. 803.
- Electric machine, Dynamo. A. H. Neuland. No. 1,223,096; Apr. 17; v. 237; p. 804.
- Electric machine, Dynamo. A. H. Neuland. No. 1,233,899; July 17; v. 240; p. 845.
- Electric machine, Dynamo. A. H. Neuland. No. 1,237,682; Aug. 21; v. 241; p. 764.
- Electric machine, Dynamo. L. C. Nichols. No. 1,243,966; Oct. 23; v. 243; p. 891.
- Electric machine, Dynamo. W. H. Powell. No. 1,214,067; Jan. 30; v. 234; p. 1405.
- Electric machine, Dynamo. E. D. Priest. No. 1,222,464; Apr. 10; v. 237; p. 544.
- Electric machine, Dynamo. E. D. Priest. No. 1,222,465; Apr. 10; v. 237; p. 545.
- Electric machine, Dynamo. W. A. Turbayne. No. 1,223,449; Apr. 24; v. 237; p. 956.
- Electric machine, Dynamo. W. A. Turbayne. No. 1,250,718; Dec. 18; v. 245; p. 738.
- Electric machine, Dynamo. W. Weiler and H. Nehlsen. No. 1,229,841; June 12; v. 239; p. 544.
- Electric machine, Magneto. F. L. Hollister. No. 1,234,901; July 31; v. 240; p. 1234.
- Electric machine, Magneto. F. R. Hoyt. No. 1,226,666; May 22; v. 238; p. 1004.
- Electric-machine regulator, Dynamo. P. Rose. No. 1,227,321; May 22; v. 238; p. 1226.
- Electric machine, Self-regulating dynamo. A. H. Midgley and C. A. Vandervell. No. 1,217,482; Feb. 27; v. 235; p. 1182.
- Electric machine, Synchronous dynamo. S. H. Martin. No. 1,226,901; May 22; v. 238; p. 1083.
- Electric machine, Synchronous dynamo. F. P. Whitaker. No. 1,241,317; Sept. 25; v. 242; p. 918.
- Electric machines, Armature construction for dynamo. V. G. Apple. No. 1,224,518; May 1; v. 238; p. 144.
- Electric machines, Automatic pressure-regulator for. M. Fuss. No. 1,215,360; Feb. 13; v. 235; p. 339.
- Electric machines, Commutator-cylinder for dynamo. W. S. Pyrah. No. 1,224,206; May 1; v. 238; p. 32.
- Electric machines, Regulating arrangement for dynamo. J. Martin. No. 1,220,763; Mar. 27; v. 236; p. 1105.
- Electric machines, Slip-ring for dynamo. W. Gscheidlen. No. 1,243,286; Oct. 16; v. 243; p. 649.
- Electric machines, Ventilating construction for dynamo. R. E. Hellmund. No. 1,238,292; Aug. 28; v. 241; p. 993.
- Electric machines, Winding for dynamo. J. C. Davenport. No. 1,244,709; Oct. 30; v. 243; p. 1153.
- Electric machinery, Dynamo. R. A. Fessenden. No. 1,213,610; Jan. 23; v. 234; p. 1219.
- Electric machinery, Dynamo. R. A. Fessenden. No. 1,213,611; Jan. 23; v. 234; p. 1219.
- Electric machinery, Self-excited direct-current dynamo. P. Amsler. No. 1,220,486; Mar. 27; v. 236; p. 1012.
- Electric metallurgical furnace and operating the same. W. E. Moore. No. 1,242,464; Oct. 9; v. 243; p. 356.
- Electric meter. J. L. Axen. No. 1,247,613; Nov. 27; v. 244; p. 826.
- Electric meter. A. J. R. Fiego. No. 1,226,491; May 15; v. 238; p. 909.
- Electric meter. E. H. Messiter. No. 1,221,560; Apr. 3; v. 237; p. 197.
- Electric meter. K. R. Singer. No. 1,222,042; Apr. 10; v. 237; p. 394.
- Electric meter, Recording. A. Herz. (Reissue.) No. 1,403; Dec. 4; v. 245; p. 254.
- Electric meters, Calibrating. O. T. Bláthy. No. 1,221,821; Apr. 10; v. 237; p. 317.
- Electric motor. G. Blumberg and J. A. Butkus. No. 1,227,571; May 29; v. 238; p. 1338.
- Electric motor. M. Dolivo-Dobrowolsky. No. 1,227,400; May 22; v. 238; p. 1251.
- Electric motor. A. W. Forbes. No. 1,237,248; Aug. 14; v. 241; p. 585.
- Electric motor. C. I. Hall. No. 1,234,465; July 24; v. 240; p. 1065.
- Electric motor. S. E. Kurtz. No. 1,228,449; June 5; v. 239; p. 25.
- Electric motor. W. R. Macdonald. No. 1,216,242; Feb. 13; v. 235; p. 658.
- Electric motor. F. J. Osius. No. 1,240,802; Sept. 18; v. 242; p. 722.
- Electric motor. A. C. Sargent. No. 1,245,039; Oct. 30; v. 243; p. 1252.
- Electric motor. C. A. Shea. No. 1,216,002; Feb. 13; v. 235; p. 571.
- Electric motor. W. Sparks. No. 1,239,056; Sept. 4; v. 242; p. 107.
- Electric motor or engine, Reciprocating. E. I. Dodds. No. 1,237,181; Aug. 14; v. 241; p. 562.
- Electric motor or generator. E. A. Halbleib. No. 1,238,666; Aug. 28; v. 241; p. 1111.
- Electric motor, Variable-speed. E. Rosenberg. No. 1,222,469; Apr. 10; v. 237; p. 547.
- Electric oscillations, Intensifier of high-frequency. D. W. Brown. No. 1,235,650; Aug. 7; v. 241; p. 39.
- Electric oxidizer. D. M. Clark. No. 1,249,597; Dec. 11; v. 245; p. 368.

- Electric-power distribution, Sympathetic governor for. L. S. Henley and F. R. Keller. No. 1,236,931; Aug. 14; v. 241; p. 485.
- Electric power system. H. M. Shedd. No. 1,231,953; July 3; v. 240; p. 139.
- Electric priming device. C. D. Jenney. No. 1,250,465; Dec. 18; v. 245; p. 662.
- Electric pull-socket. F. Barr. No. 1,230,983; June 26; v. 239; p. 998.
- Electric push-button. D. E. Blair. No. 1,243,482; Oct. 16; v. 243; p. 707.
- Electric push-button. W. Sparks. No. 1,239,054; Sept. 4; v. 242; p. 107.
- Electric regulating device. J. A. Misland. No. 1,232,451; July 3; v. 240; p. 302.
- Electric regulating switch. L. Miller and L. Boothman. No. 1,231,632; July 3; v. 240; p. 31.
- Electric regulating system. P. M. Lincoln. No. 1,234,916; July 31; v. 240; p. 1239.
- Electric regulation. J. L. Creveling. No. 1,216,083; Feb. 13; v. 235; p. 601.
- Electric regulation. J. L. Creveling. No. 1,217,858; Feb. 27; v. 235; p. 1313.
- Electric regulation. J. L. Creveling. No. 1,223,313; Apr. 17; v. 237; p. 876.
- Electric regulation. J. L. Creveling. No. 1,236,916; Aug. 14; v. 241; p. 480.
- Electric regulation. J. L. Creveling. No. 1,239,772; Sept. 11; v. 242; p. 364.
- Electric regulation. J. L. Creveling. No. 1,248,624; Dec. 4; v. 245; p. 58.
- Electric regulator. G. Honold. No. 1,243,738; Oct. 23; v. 243; p. 821.
- Electric regulator. G. Machlet, Jr. No. 1,227,921; May 29; v. 238; p. 1457.
- Electric regulator. W. A. Turbayne. No. 1,236,630; Aug. 14; v. 241; p. 386.
- Electric regulator. T. S. Watson. No. 1,224,983; May 8; v. 238; p. 856.
- Electric regulator with stop-charge relay, Automatic. H. H. Powell. No. 1,215,704; Feb. 13; v. 235; p. 466.
- Electric-resistance device. W. H. Keller. No. 1,240,457; Sept. 18; v. 242; p. 617.
- Electric service connections and meter devices, Protective casing for. J. Sachs. No. 1,245,036; Oct. 30; v. 243; p. 1251.
- Electric signal. T. P. Lancaster and J. L. Struthers. No. 1,216,820; Feb. 20; v. 235; p. 910.
- Electric signal and damper control. P. W. Hammond. No. 1,225,437; May 8; v. 238; p. 511.
- Electric signal device. J. Tomko and C. W. Appenlander. No. 1,236,625; Aug. 14; v. 241; p. 385.
- Electric signal system. A. H. Caven. No. 1,211,083; Jan. 2; v. 234; p. 243.
- Electric socket. D. D. Gordon. No. 1,247,820; Nov. 27; v. 244; p. 890.
- Electric-socket attachment, Instantaneous. P. Stroup. No. 1,213,035; Jan. 16; v. 234; p. 985.
- Electric starting and generating apparatus. E. A. Halbleib and F. F. Dorsey. No. 1,220,101; Mar. 20; v. 236; p. 837.
- Electric starting and generating apparatus. T. L. Lee. No. 1,231,753; July 3; v. 240; p. 73.
- Electric-supply systems, Distance-operated mechanism and signal connected to. H. E. Angold, W. Duddell, A. H. Dykes, H. W. Hancock, and C. Oliver. No. 1,242,756; Oct. 9; v. 243; p. 450.
- Electric switch. H. N. Alter. No. 1,218,037; Mar. 6; v. 236; p. 52.
- Electric switch. C. E. Anderson. No. 1,236,133; Aug. 7; v. 241; p. 194.
- Electric switch. G. Baehr. No. 1,222,714; Apr. 17; v. 237; p. 674.
- Electric switch. F. N. Barber. No. 1,227,568; May 29; v. 238; p. 1337.
- Electric switch. C. A. Bates. No. 1,217,688; Feb. 27; v. 235; p. 1256.
- Electric switch. G. Biddle. No. 1,238,382; Aug. 28; v. 241; p. 1021.
- Electric switch. B. S. Bowers. No. 1,211,281; Jan. 2; v. 234; p. 312.
- Electric switch. A. J. Bowie, Jr. No. 1,230,372; June 19; v. 239; p. 754.
- Electric switch. C. W. Brockett. No. 1,251,178; Dec. 25; v. 245; p. 923.
- Electric switch. H. R. Canfield. No. 1,214,752; Feb. 6; v. 238; p. 559.
- Electric switch. H. E. Clifford. No. 1,225,580; May 8; v. 238; p. 559.
- Electric switch. J. S. Crossley. No. 1,213,751; Jan. 23; v. 234; p. 1264.
- Electric switch. A. H. Englund. No. 1,244,720; Oct. 30; v. 243; p. 1157.
- Electric switch. C. T. Evans. No. 1,243,722; Oct. 23; v. 243; p. 815.
- Electric switch. W. H. Farmer. (Reissue.) No. 14,372; Oct. 2; v. 243; p. 209.
- Electric switch. J. Friis. No. 1,227,605; May 29; v. 238; p. 1348.
- Electric switch. G. B. Gray. No. 1,217,440; Feb. 27; v. 235; p. 1168.
- Electric switch. C. Grimes. No. 1,232,793; July 10; v. 240; p. 450.
- Electric switch. E. A. Halbleib. No. 1,231,732; July 3; v. 240; p. 67.
- Electric switch. J. H. Hall. No. 1,211,440; Jan. 9; v. 234; p. 399.
- Electric switch. J. H. Hall. No. 1,214,779; Feb. 6; v. 235; p. 103.
- Electric switch. J. H. Hall. No. 1,235,684; Aug. 7; v. 241; p. 49.
- Electric switch. G. H. Hart. No. 1,222,947; Apr. 17; v. 237; p. 752.
- Electric switch. G. W. Hart. No. 1,243,166; Oct. 16; v. 243; p. 612.
- Electric switch. J. S. Hickman. No. 1,245,103; Oct. 30; v. 243; p. 1271.
- Electric switch. M. Hoffmann. No. 1,221,325; Apr. 3; v. 237; p. 114.
- Electric switch. N. H. Holland. No. 1,214,920; Feb. 6; v. 235; p. 154.
- Electric switch. A. J. Horton. No. 1,227,789; May 29; v. 238; p. 1412.
- Electric switch. E. S. Huff. No. 1,215,807; Feb. 13; v. 235; p. 501.
- Electric switch. E. H. Jacobs. No. 1,231,367; June 26; v. 239; p. 1126.
- Electric switch. O. Johnson. No. 1,233,364; July 17; v. 240; p. 670.
- Electric switch. S. F. Johnson and L. P. Ayres. No. 1,219,002; Mar. 13; v. 236; p. 427.
- Electric switch. J. S. Jones. No. 1,217,114; Feb. 20; v. 235; p. 1010.
- Electric switch. C. F. Kettering and R. S. De Maree. No. 1,225,820; May 15; v. 238; p. 682.
- Electric switch. C. J. Klein. No. 1,210,658; Jan. 2; v. 234; p. 98.
- Electric switch. C. J. Klein. No. 1,210,659; Jan. 2; v. 234; p. 99.
- Electric switch. C. J. Klein. No. 1,222,214; Apr. 10; v. 237; p. 455.
- Electric switch. C. J. Klein. No. 1,227,801; May 29; v. 238; p. 1416.
- Electric switch. C. J. Klein. No. 1,240,459; Sept. 18; v. 242; p. 617.
- Electric switch. C. J. Klein. No. 1,247,690; Nov. 27; v. 244; p. 850.
- Electric switch. P. L. Leisse. No. 1,248,508; Dec. 4; v. 245; p. 22.
- Electric switch. G. N. Lemmon. No. 1,219,470; Mar. 20; v. 236; p. 616.
- Electric switch. J. F. Lincoln. No. 1,234,678; July 24; v. 240; p. 1130.
- Electric switch. R. O. W. Lundin. No. 1,224,116; Apr. 24; v. 237; p. 1189.
- Electric switch. F. A. Lundquist. No. 1,238,162; Aug. 28; v. 241; p. 949.
- Electric switch. J. L. McQuarrie. No. 1,249,154; Dec. 4; v. 245; p. 209.
- Electric switch. J. L. McQuarrie. No. 1,249,155; Dec. 4; v. 245; p. 209.
- Electric switch. E. B. Merriam. No. 1,222,439; Apr. 10; v. 237; p. 536.
- Electric switch. H. J. Morey. No. 1,213,933; Jan. 30; v. 234; p. 1357.
- Electric switch. A. H. Nero. No. 1,234,069; July 17; v. 240; p. 898.
- Electric switch. C. D. Platt. No. 1,218,890; Mar. 13; v. 236; p. 859.
- Electric switch. C. D. Platt. No. 1,234,211; July 24; v. 240; p. 980.
- Electric switch. C. D. Platt. No. 1,250,501; Dec. 18; v. 245; p. 673.
- Electric switch. J. H. Rusby. No. 1,228,052; May 29; v. 238; p. 1502.
- Electric switch. J. Sachs. No. 1,211,628; Jan. 9; v. 234; p. 461.
- Electric switch. J. Sachs. No. 1,214,077; Jan. 30; v. 234; p. 1408.
- Electric switch. D. Schneider. No. 1,212,567; Jan. 16; v. 234; p. 821.
- Electric switch. L. B. Sears. No. 1,224,222; May 1; v. 238; p. 38.
- Electric switch. W. G. Shelton. No. 1,249,526; Dec. 11; v. 245; p. 348.
- Electric switch. A. Simon. No. 1,241,157; Sept. 25; v. 242; p. 866.
- Electric switch. J. W. Teare. No. 1,249,245; Dec. 4; v. 245; p. 237.
- Electric switch. J. M. Terzieh. No. 1,238,597; Aug. 28; v. 241; p. 1090.
- Electric switch. G. B. Thomas. No. 1,247,468; Nov. 20; v. 244; p. 754.
- Electric switch. G. B. Thomas. No. 1,248,203; Nov. 27; v. 244; p. 996.
- Electric switch. G. B. Thomas. No. 1,249,857; Dec. 11; v. 245; p. 445.
- Electric switch. H. G. Thompson. No. 1,215,590; Feb. 13; v. 235; p. 425.
- Electric switch. R. S. White. No. 1,228,858; June 5; v. 239; p. 165.
- Electric switch. H. E. White. No. 1,236,520; Aug. 14; v. 241; p. 351.
- Electric switch. H. E. White. No. 1,236,521; Aug. 14; v. 241; p. 351.
- Electric switch. A. F. Williams and E. A. Halbleib. No. 1,216,386; Feb. 20; v. 235; p. 760.

Alphabetical list of inventions—Continued.

- Electric switch. P. H. Zimmer. No. 1,221,499; Apr. 3; v. 237; p. 175.
- Electric switch and fuse-box. L. F. Kries. No. 1,224,880; May 1; v. 238; p. 270.
- Electric switch and fuse-box. L. F. Kries. No. 1,224,881; May 1; v. 238; p. 271.
- Electric switch, Automatic. A. Thode. No. 1,235,859; Aug. 7; v. 241; p. 108.
- Electric switch, Combination. R. A. Boehm. No. 1,228,741; June 5; v. 239; p. 125.
- Electric switch, Combination. J. E. Powers. No. 1,250,502; Dec. 18; v. 245; p. 673.
- Electric-switch contact-holder. A. P. Witte. No. 1,212,867; Jan. 16; v. 234; p. 926.
- Electric-switch guard. S. S. Thompson and E. J. Le Blond. No. 1,247,180; Nov. 20; v. 244; p. 672.
- Electric switch, Indicating. J. Radó. No. 1,221,590; Apr. 3; v. 237; p. 206.
- Electric-switch jaws and the like, Making. K. C. Randall. No. 1,248,544; Dec. 4; v. 245; p. 34.
- Electric-switch mechanism. D. D. Gordon. No. 1,228,905; June 5; v. 239; p. 180.
- Electric-switch mechanism. D. D. Gordon. No. 1,228,906; June 5; v. 239; p. 180.
- Electric-switch mechanism. D. D. Gordon. No. 1,228,907; June 5; v. 239; p. 181.
- Electric switch, Speed-controlled. T. W. Scott. No. 1,210,709; Jan. 2; v. 234; p. 115.
- Electric-switch structure. S. R. Naginey. No. 1,224,952; May 8; v. 238; p. 346.
- Electric switch, Time-controlled. F. A. Mechau. No. 1,217,618; Feb. 27; v. 235; p. 1232.
- Electric switches, Permutation-lock for. T. Barnes. No. 1,246,037; Nov. 13; v. 244; p. 298.
- Electric switches, Supporting frame for. C. M. Walker. No. 1,247,042; Nov. 20; v. 244; p. 631.
- Electric switches, Time-limit-controlling device for. G. A. Burnham. No. 1,237,240; Aug. 14; v. 241; p. 582.
- Electric switchboard. C. A. Vandervell and A. H. Midgley. No. 1,226,031; May 15; v. 238; p. 754.
- Electric switching and meter-testing system. J. Sachs. No. 1,211,629; Jan. 9; v. 234; p. 462.
- Electric switching mechanism. F. B. Little. No. 1,228,222; May 29; v. 238; p. 1556.
- Electric terminal. J. Cuthbert. No. 1,233,197; July 10; v. 240; p. 581.
- Electric thermal cut-out device. L. Vecchio. No. 1,239,322; Sept. 4; v. 242; p. 193.
- Electric thermostat. C. L. Norwood. No. 1,248,894; Dec. 4; v. 245; p. 137.
- Electric train lighting, ventilating, and heating system and the like. A. H. Darker. No. 1,242,328; Oct. 9; v. 243; p. 313.
- Electric transmission-lines, Repair device for high-voltage. G. S. Neeley. No. 1,235,999; Aug. 7; v. 241; p. 153.
- Electric tubular insulation. Bushing for. C. M. Wheelock. No. 1,236,026; Aug. 7; v. 241; p. 163.
- Electric tubular insulation, Bushing for. C. M. Wheelock. No. 1,236,027; Aug. 7; v. 241; p. 164.
- Electric unit. F. M. Furber. No. 1,234,149; July 24; v. 240; p. 961.
- Electric vibrators, Mounting for. C. Endorf, Jr. No. 1,231,245; June 26; v. 239; p. 1086.
- Electric wall-switch. W. J. Newton and M. Goldberg. No. 1,248,384; Nov. 27; v. 244; p. 1048.
- Electric washers, Adjustable motor-bracket for. O. R. Corey. No. 1,223,673; Apr. 24; v. 237; p. 1038.
- Electric waves, Crystalline or like detector for. H. Hurm. No. 1,251,378; Dec. 25; v. 245; p. 983.
- Electric waves, Means for receiving intelligence communicated by. G. W. Pickard. No. 1,213,250; Jan. 23; v. 234; p. 1093.
- Electric-wire conduit. F. L. O. Wadsworth. No. 1,247,756; Nov. 27; v. 244; p. 871.
- Electric-wire connector. A. B. Simpson. No. 1,241,158; Sept. 25; v. 242; p. 866.
- Electric-wire embedder. F. W. Luebeck. No. 1,233,890; July 17; v. 240; p. 841.
- Electric wires, Attachment-plug for. C. F. Torén. No. 1,248,421; Nov. 27; v. 244; p. 1058.
- Electric wires, Attachment-plug for. W. C. Tregoning. No. 1,238,460; Aug. 28; v. 241; p. 1046.
- Electric wires, Device for avoiding the twisting of. J. D. Shaw. No. 1,238,448; Aug. 28; v. 241; p. 1042.
- Electric wires, Test-connector for. A. Kneisel. No. 1,244,099; Oct. 23; v. 243; p. 931.
- Electric-wiring connection. H. Rowntree. No. 1,226,813; May 22; v. 238; p. 1055.
- Electric-wiring system. F. A. Watkins. No. 1,240,907; Sept. 25; v. 242; p. 789.
- Electrical apparatus. J. Bijur. No. 1,246,852; Nov. 20; v. 244; p. 577.
- Electrical apparatus. A. Churchward. No. 1,224,602; May 1; v. 238; p. 174.
- Electrical apparatus. A. L. R. Ellis. No. 1,232,253; July 3; v. 240; p. 240.
- Electrical apparatus. R. E. Ferris. No. 1,231,584; July 3; v. 240; p. 15.
- Electrical apparatus. A. Pruessman. No. 1,244,642; Oct. 30; v. 243; p. 1132.
- Electrical apparatus. J. Schmidinger. No. 1,228,702; June 5; v. 239; p. 111.
- Electrical apparatus. F. Sieber. No. 1,246,171; Nov. 13; v. 244; p. 337.
- Electrical apparatus. R. B. Williamson. No. 1,239,654; Sept. 11; v. 242; p. 326.
- Electrical-apparatus casing. O. C. Voss. No. 1,249,694; Dec. 11; v. 245; p. 396.
- Electrical apparatus, Connector for. S. Trood. No. 1,217,534; Feb. 27; v. 235; p. 1202.
- Electrical apparatus, Expansion-chamber for. D. Du Bois. No. 1,227,404; May 22; v. 238; p. 1252.
- Electrical apparatus, Protection of. F. W. Peek, Jr. No. 1,235,373; July 31; v. 240; p. 1377.
- Electrical apparatus, Remote-control. C. P. Wells. No. 1,246,628; Nov. 13; v. 244; p. 476.
- Electrical apparatus, Variable. O. F. Rothen. No. 1,217,348; Feb. 27; v. 235; p. 1134.
- Electrical apparatus, Ventilating plate and spacer for. C. B. Auel. No. 1,221,013; Apr. 3; v. 237; p. 4.
- Electrical appliance. C. H. Bissell and D. C. Gidley. No. 1,238,250; Aug. 28; v. 241; p. 978.
- Electrical appliance. C. H. Bissell and E. G. Smith. No. 1,227,241; May 22; v. 238; p. 1201.
- Electrical appliances to conduit outlet-boxes, Means for attaching. J. E. Parker and D. B. Winter. No. 1,224,316; May 1; v. 238; p. 72.
- Electrical appliances, Terminal for. F. J. Hadfield. No. 1,241,627; Oct. 2; v. 243; p. 52.
- Electrical appliances to conduit outlet-boxes, Means for attaching. J. E. Parker. No. 1,229,651; June 12; v. 239; p. 481.
- Electrical circuits, Automatic line-closer for series. B. S. Eddy. No. 1,242,333; Oct. 9; v. 243; p. 315.
- Electrical circuits, Cut-out for. N. J. Conrad. No. 1,233,192; July 10; v. 240; p. 579.
- Electrical circuits, Safety device for. M. H. Spielman. No. 1,240,896; Sept. 25; v. 242; p. 785.
- Electrical circuits, Safety device for. M. H. Spielman. No. 1,248,741; Dec. 4; v. 245; p. 93.
- Electrical circuits, Stabilizing and power-factor correcting means for. J. F. Peters. No. 1,242,971; Oct. 16; v. 243; p. 553.
- Electrical compression resistance unit. P. J. Ray. No. 1,213,809; Jan. 23; v. 234; p. 1285.
- Electrical condenser and making same. W. C. Brinton, Jr. No. 1,237,015; Aug. 14; v. 241; p. 512.
- Electrical conductor. M. Hochstädter. No. 1,211,153; Jan. 2; v. 234; p. 266.
- Electrical-conductor connector. H. D. Rothwell and G. Kribs. No. 1,218,475; Mar. 6; v. 236; p. 202.
- Electrical conductor, Flexible insulated. J. C. Henderson. No. 1,228,670; June 5; v. 239; p. 100.
- Electrical-conductor joint. C. B. Schoenman and R. M. Houck. No. 1,225,366; May 8; v. 238; p. 488.
- Electrical conductors, Connector for. E. B. Fahnstock. No. 1,219,632; Mar. 20; v. 236; p. 673.
- Electrical conductors, Connector for. P. F. Williams. No. 1,228,156; May 29; v. 238; p. 1535.
- Electrical conductors, Fitting for conduits for. A. W. Slater. No. 1,246,333; Nov. 13; v. 244; p. 386.
- Electrical conductors, Making. S. Trood and G. Chovan. No. 1,227,346; May 22; v. 238; p. 1234.
- Electrical conductors, Manufacturing. W. P. Bovard. No. 1,220,596; Mar. 27; v. 236; p. 1050.
- Electrical conductors, Snap clamp or grip for. T. F. Johnson, Jr. No. 1,244,339; Oct. 23; v. 243; p. 1003.
- Electrical conductors, Swivel-contact for. F. Garrison. No. 1,247,660; Nov. 27; v. 244; p. 841.
- Electrical conductors, Train-coupling for. W. C. White. No. 1,214,857; Feb. 6; v. 235; p. 129.
- Electrical conduit. C. W. Abbott. No. 1,225,553; May 8; v. 238; p. 549.
- Electrical-conduit bushing. C. W. Finley. No. 1,240,188; Sept. 18; v. 242; p. 531.
- Electrical conduit, Flexible. C. Hyde. No. 1,227,538; May 22; v. 238; p. 1297.
- Electrical-conduit systems, Fitting for. D. L. J. Broadbent. No. 1,224,269; May 1; v. 238; p. 56.
- Electrical conduits, Connector for. A. McMurtrie. No. 1,243,748; Oct. 23; v. 243; p. 824.
- Electrical conduits, Fitting for. K. Sixma. No. 1,229,665; June 12; v. 239; p. 485.
- Electrical connecting device. F. Kratz. No. 1,214,183; Jan. 30; v. 234; p. 1442.
- Electrical connecting member. J. Sachs. No. 1,217,831; Feb. 27; v. 235; p. 1304.
- Electrical connection. C. H. Bissell and E. G. Smith. No. 1,222,721; Apr. 17; v. 237; p. 677.
- Electrical connection. W. A. Chryst. No. 1,224,856; May 1; v. 238; p. 261.
- Electrical connection. E. G. Smith. No. 1,212,699; Jan. 16; v. 234; p. 870.
- Electrical connection and box. C. H. Bissell and J. J. Dossert. No. 1,234,857; July 31; v. 240; p. 1219.
- Electrical connector. C. C. Armstrong. No. 1,242,637; Oct. 9; v. 243; p. 412.
- Electrical connector. S. G. Crane. No. 1,248,272; Nov. 27; v. 244; p. 1017.
- Electrical connector. J. Cuthbert. No. 1,227,588; May 29; v. 238; p. 1342.
- Electrical connector. H. A. Douglas. No. 1,224,907; May 8; v. 238; p. 331.
- Electrical connector. H. A. Douglas. No. 1,224,908; May 8; v. 238; p. 331.
- Electrical connector. H. Frankel. No. 1,211,128; Jan. 2; v. 234; p. 257.

- Electrical connector. E. J. Ovington. No. 1,220,780; Mar. 27; v. 236; p. 1110.
- Electrical connector. E. E. Rose and O. A. Colby. No. 1,241,556; Oct. 2; v. 243; p. 29.
- Electrical connector. O. Schaefer. No. 1,210,851; Jan. 2; v. 234; p. 162.
- Electrical connector. C. E. Stahl and J. F. Cavanagh. No. 1,221,239; Apr. 3; v. 237; p. 84.
- Electrical contact. C. Pfeiffer. No. 1,220,679; Mar. 27; v. 236; p. 1077.
- Electrical contact device. J. F. Lamb. No. 1,217,964; Mar. 6; v. 236; p. 27.
- Electrical contact member. H. V. S. Taylor. No. 1,232,624; July 10; v. 240; p. 393.
- Electrical contact member. H. V. S. Taylor. No. 1,232,625; July 10; v. 240; p. 393.
- Electrical control mechanism. C. Prache. No. 1,212,554; Jan. 16; v. 234; p. 817.
- Electrical control system. C. F. Kettering. No. 1,231,265; June 26; v. 239; p. 1092.
- Electrical controlling system. J. G. Roberts. No. 1,216,844; Feb. 20; v. 235; p. 918.
- Electrical currents, Rectifying spark-cap for high-tension alternating. A. Shaw. No. 1,235,935; Aug. 7; v. 241; p. 133.
- Electrical device. G. A. Huber. No. 1,234,337; July 24; v. 240; p. 1022.
- Electrical device. F. M. Slough. No. 1,248,566; Dec. 4; v. 245; p. 41.
- Electrical device, Portable. E. R. Winslow and C. A. Jones. No. 1,222,837; Apr. 17; v. 237; p. 715.
- Electrical distributor. C. J. Wallace. No. 1,244,926; Oct. 30; v. 243; p. 1219.
- Electrical distributing apparatus, Metering device for. E. Evans. No. 1,218,538; Mar. 6; v. 236; p. 224.
- Electrical distributing means. E. O. Schweitzer. No. 1,224,966; May 8; v. 238; p. 350.
- Electrical distributing system. C. L. Fortescue. No. 1,250,835; Dec. 18; v. 245; p. 773.
- Electrical distributing system, Protective means for an. R. P. Jackson. No. 1,224,172; May 1; v. 238; p. 20.
- Electrical distribution system. E. F. W. Alexanderson. No. 1,242,632; Oct. 9; v. 243; p. 410.
- Electrical distribution system. G. Crosby. No. 1,214,280; Jan. 30; v. 234; p. 1478.
- Electrical distribution system. G. Crosby. No. 1,241,485; Sept. 25; v. 242; p. 968.
- Electrical distribution system. A. McGary. No. 1,239,710; Sept. 11; v. 242; p. 346.
- Electrical distribution system. P. H. Thomas. No. 1,211,380; Jan. 2; v. 234; p. 342.
- Electrical distribution system. P. H. Thomas. No. 1,237,584; Aug. 21; v. 241; p. 731.
- Electrical distribution system. J. L. Woodbridge. No. 1,211,802; Jan. 9; v. 234; p. 522.
- Electrical distribution system. F. Conrad. No. 1,224,143; May 1; v. 238; p. 10.
- Electrical distribution system. P. H. Thomas. No. 1,224,689; May 1; v. 238; p. 204.
- Electrical distribution system and regulating apparatus therefor. J. W. Jepson. No. 1,233,671; July 17; v. 240; p. 772.
- Electrical distribution system, Selective. C. F. Kettering and W. A. Chryst. No. 1,210,378; Jan. 2; v. 234; p. 341.
- Electrical distribution systems, Protective means for. D. Basch. No. 1,246,038; Nov. 18; v. 244; p. 298.
- Electrical distribution systems, Recorder for. H. S. Sines. No. 1,213,963; Jan. 30; v. 234; p. 1368.
- Electrical energy, Apparatus for transforming. P. C. Hewitt. No. 1,224,639; May 1; v. 238; p. 186.
- Electrical energy, Means for controlling. J. M. Dinkins. No. 1,234,301; July 24; v. 240; p. 1010.
- Electrical energy, System for amplifying. R. V. L. Hartley. No. 1,218,650; Mar. 13; v. 236; p. 301.
- Electrical fixture. C. H. Bissell. No. 1,243,800; Oct. 23; v. 243; p. 841.
- Electrical-fixture support. J. H. Kendig. No. 1,246,107; Nov. 13; v. 244; p. 318.
- Electrical grounding-clamp. J. E. Birdsall. No. 1,219,228; Mar. 13; v. 236; p. 503.
- Electrical heater. L. E. Stocker. No. 1,215,427; Feb. 13; v. 235; p. 362.
- Electrical heating resistance. F. M. Furber. No. 1,222,196; Apr. 10; v. 237; p. 449.
- Electrical ignition, Apparatus for adjusting the period of. G. Honold. No. 1,221,326; Apr. 3; v. 237; p. 115.
- Electrical ignition systems, Distributing mechanism for. O. Heins and V. W. Kliersath. No. 1,226,658; May 22; v. 238; p. 1001.
- Electrical ignition systems, Distributing mechanism for. W. E. Schwarzmann. No. 1,226,817; May 22; v. 238; p. 1056.
- Electrical impulses and ignition system, Apparatus for generating high-tension. L. J. Le Pontois. No. 1,238,533; Aug. 28; v. 241; p. 1070.
- Electrical impulses over circuits of high electrostatic capacity, Transmission of. G. Musso. No. 1,216,595; Feb. 20; v. 235; p. 834.
- Electrical impulses, Receiver for. F. K. Vreeland. No. 1,239,852; Sept. 11; v. 242; p. 391.
- Electrical installation. F. W. Funk. No. 1,231,008; June 26; v. 239; p. 1006.
- Electrical instrument. C. I. Hall. No. 1,234,464; July 24; v. 240; p. 1064.
- Electrical instrument of the moving-coil type, Alternating-current. R. D. Gifford. No. 1,237,775; Aug. 21; v. 241; p. 793.
- Electrical insulating composition and making same. W. H. Steinberg. No. 1,233,416; July 17; v. 240; p. 688.
- Electrical insulation. W. H. Steinberg. No. 1,233,415; July 17; v. 240; p. 688.
- Electrical insulator. F. M. Locke. No. 1,233,486; July 17; v. 240; p. 711.
- Electrical light and power cables, Polyplex terminal for. G. P. Roux. No. 1,235,926; Aug. 7; v. 241; p. 130.
- Electrical locking device. S. G. Van Derbeck and H. B. Murdock. No. 1,230,449; June 19; v. 239; p. 779.
- Electrical make-and-break device. E. T. Shaw. No. 1,236,989; Aug. 14; v. 241; p. 504.
- Electrical meters, Current-jack for. F. R. Innes. No. 1,240,574; Sept. 18; v. 242; p. 651.
- Electrical motive apparatus. R. H. Gaylord and G. B. Capps. No. 1,235,132; July 31; v. 240; p. 1305.
- Electrical multiple connector. C. H. Tomlinson. No. 1,223,222; Apr. 17; v. 237; p. 846.
- Electrical oscillations, Apparatus for producing powerful. G. Selbt. No. 1,216,615; Feb. 20; v. 235; p. 842.
- Electrical oscillations, Frequency-conversion system for. T. Kujirai. No. 1,215,820; Feb. 13; v. 235; p. 506.
- Electrical oscillations, Means for producing. G. Arco and R. H. Rendahl. No. 1,216,538; Feb. 20; v. 235; p. 814.
- Electrical oscillations, Means for receiving. E. E. Butcher. No. 1,233,841; July 17; v. 240; p. 826.
- Electrical oscillations of high frequency from direct current, Producing. E. von Lepel. No. 1,224,048; Apr. 24; v. 237; p. 1166.
- Electrical oscillations, Receiver of. E. E. Butcher. No. 1,226,060; May 15; v. 238; p. 764.
- Electrical oscillations with the aid of an auxiliary oscillation-circuit, Means for producing. G. von Arco and A. Meissner. No. 1,214,620; Feb. 6; v. 235; p. 48.
- Electrical plug and socket. J. F. McElroy. No. 1,228,577; June 5; v. 239; p. 69.
- Electrical plug-connector. W. S. Hadaway, Jr., E. N. Lightfoot, and J. Amon. No. 1,238,287; Aug. 28; v. 241; p. 990.
- Electrical plug-switch. E. J. Ovington. No. 1,220,779; Mar. 27; v. 236; p. 1110.
- Electrical potential-regulator. M. Fuss. No. 1,215,361; Feb. 13; v. 235; p. 340.
- Electrical protective apparatus. F. R. Parker. No. 1,245,014; Oct. 30; v. 243; p. 1246.
- Electrical protective device. H. W. Brown. No. 1,214,129; Jan. 30; v. 234; p. 1425.
- Electrical protective device. H. W. Brown. No. 1,238,251; Aug. 28; v. 241; p. 978.
- Electrical protective device. C. L. Fortescue. No. 1,224,370; May 1; v. 238; p. 92.
- Electrical protective device. P. MacGahan. No. 1,224,400; May 1; v. 238; p. 102.
- Electrical protective device. L. M. Perkins. No. 1,224,408; May 1; v. 238; p. 106.
- Electrical protective device. B. H. Smith. No. 1,224,332; May 1; v. 238; p. 78.
- Electrical protective device. B. H. Smith. No. 1,231,659; July 3; v. 240; p. 40.
- Electrical protective device. B. H. Smith. No. 1,241,571; Oct. 2; v. 243; p. 34.
- Electrical protective system. W. G. Chapman. No. 1,223,255; Apr. 17; v. 237; p. 856.
- Electrical receiving, translating, or repeating circuit. G. A. Campbell. No. 1,227,114; May 22; v. 238; p. 1158.
- Electrical receptacle. C. D. Platt. No. 1,231,063; June 26; v. 239; p. 1025.
- Electrical receptacle. G. B. Thomas. No. 1,225,526; May 8; v. 238; p. 539.
- Electrical receptacle. G. B. Thomas. No. 1,248,202; Nov. 27; v. 244; p. 996.
- Electrical regulating device. G. Honold. No. 1,221,327; Apr. 3; v. 237; p. 115.
- Electrical regulating device. G. Honold and H. Conzelmann. No. 1,238,145; Aug. 28; v. 241; p. 943.
- Electrical regulation system. W. A. Turbayne. No. 1,228,849; June 5; v. 239; p. 162.
- Electrical regulator. C. A. Boddie. No. 1,240,930; Sept. 25; v. 242; p. 797.
- Electrical regulator. H. W. Brown. No. 1,234,864; July 31; v. 240; p. 1221.
- Electrical regulator. H. W. Brown. No. 1,234,865; July 31; v. 240; p. 1222.
- Electrical regulator. F. W. Merrill. No. 1,220,255; Mar. 27; v. 236; p. 928.
- Electrical regulator. A. A. Tirrill. No. 1,216,518; Feb. 20; v. 235; p. 806.
- Electrical regulator. A. A. Tirrill. No. 1,216,888; Feb. 20; v. 235; p. 933.
- Electrical resistance and the like, Material for. W. B. Driver. No. 1,217,578; Feb. 27; v. 235; p. 1217.
- Electrical resistance element and making the same. M. H. Rice. No. 1,232,843; July 10; v. 240; p. 466.
- Electrical resistance material. M. A. Hunter. No. 1,211,943; Jan. 9; v. 234; p. 575.
- Electrical resistance material. C. Ruzicka. No. 1,246,165; Nov. 13; v. 244; p. 335.

Alphabetical list of inventions—Continued.

- Electrical resistance unit. H. N. Packard. No. 1,218,205; Mar. 6; v. 236; p. 110.
- Electrical selector. L. C. Bygrave. No. 1,226,184; May 15; v. 238; p. 806.
- Electrical signal. E. Balbach. No. 1,240,647; Sept. 18; v. 242; p. 673.
- Electrical switch. F. J. Backscheider. No. 1,248,787; Dec. 4; v. 245; p. 107.
- Electrical switch. O. R. Blumberg and B. D. Horton. No. 1,231,992; July 3; v. 240; p. 152.
- Electrical switch. B. D. Horton. No. 1,230,407; June 19; v. 239; p. 765.
- Electrical switch. F. T. Kobayashi. No. 1,246,282; Nov. 13; v. 244; p. 371.
- Electrical switch, Locking. C. B. Meuser and J. G. Breithaupt. No. 1,233,098; July 10; v. 240; p. 548.
- Electrical switching apparatus. F. B. Little. No. 1,233,588; July 17; v. 240; p. 746.
- Electrical system. F. Conrad. No. 1,234,876; July 31; v. 240; p. 1225.
- Electrical system. F. Conrad. No. 1,235,012; July 31; v. 240; p. 1270.
- Electrical system. F. Conrad. No. 1,246,056; Nov. 13; v. 244; p. 303.
- Electrical system. H. H. Gordon. No. 1,224,739; May 1; v. 238; p. 222.
- Electrical system. J. W. Jepson. No. 1,237,648; Aug. 21; v. 241; p. 752.
- Electrical system. L. J. Le Pontois. No. 1,249,135; Dec. 4; v. 245; p. 203.
- Electrical system. N. F. Rutherford. No. 1,238,573; Aug. 28; v. 241; p. 1083.
- Electrical system. R. Varley. No. 1,225,534; May 8; v. 238; p. 542.
- Electrical system. R. Varley. No. 1,225,535; May 8; v. 238; p. 542.
- Electrical system. R. Varley. No. 1,225,536; May 8; v. 238; p. 542.
- Electrical system. H. Wulff. No. 1,241,460; Sept. 25; v. 242; p. 960.
- Electrical systems, Control for. C. F. Kettering. No. 1,233,670; July 17; v. 240; p. 671.
- Electrical systems, Safety device for. L. Siebenhauer. No. 1,224,330; May 1; v. 238; p. 78.
- Electrical terminals, Connector for. C. F. Paul, Jr. No. 1,222,022; Apr. 10; v. 237; p. 888.
- Electrical testing apparatus. C. J. Conner. No. 1,225,014; May 8; v. 238; p. 367.
- Electrical testing apparatus. A. B. Hendricks, Jr. No. 1,215,150; Feb. 6; v. 235; p. 232.
- Electrical testing set. B. H. Skinner. No. 1,236,491; Aug. 14; v. 241; p. 341.
- Electrical testing system. H. P. Clausen. No. 1,237,477; Aug. 21; v. 241; p. 696.
- Electrical testing system. H. P. Clausen and C. L. Goodrum. No. 1,237,476; Aug. 21; v. 241; p. 695.
- Electrical timing device. E. H. Rollinson. No. 1,231,200; June 26; v. 239; p. 1071.
- Electrical transmission-lines, Protective system for. L. C. Nicholson. No. 1,236,595; Aug. 14; v. 241; p. 374.
- Electrical transmitter, Dead-beat balanced. E. H. Amet. No. 1,236,649; Aug. 14; v. 241; p. 393.
- Electrical unit. F. M. Furber. No. 1,222,197; Apr. 10; v. 237; p. 450.
- Electrical variations, Apparatus for translating. P. C. Hewitt. No. 1,225,333; May 8; v. 238; p. 476.
- Electrical variations, Method of and apparatus for translating. P. C. Hewitt. No. 1,225,332; May 8; v. 238; p. 475.
- Electrically-controlled brake. W. V. Turner. No. 1,214,615; Feb. 6; v. 235; p. 46.
- Electrically-controlled mechanism. L. Seese and J. F. McGuire. No. 1,227,006; May 22; v. 238; p. 1123.
- Electrically-driven machines, System for controlling. F. Balzer. No. 1,238,082; Aug. 28; v. 241; p. 921.
- Electrically-heated instrument. F. Kuhn. No. 1,231,749; July 3; v. 240; p. 72.
- Electrically-heated utensil. L. H. Wilkinson and W. G. Barker. No. 1,227,721; May 29; v. 238; p. 1389.
- Electrically-operated machines, Safety control for. A. Lippmann. No. 1,235,907; Aug. 7; v. 241; p. 124.
- Electrically reducing refractory substances, Method and apparatus for. J. G. Webb. No. 1,234,836; July 31; v. 240; p. 1212.
- Electrically-transmitted impulses, Means for utilizing. E. H. Amet. No. 1,225,203; May 8; v. 238; p. 429.
- Electrically-welded tube and flange-plate. T. E. Murray. No. 1,215,967; Feb. 13; v. 235; p. 559.
- Electricity, Apparatus for and method of producing high-frequency currents of. D. G. McCaa. No. 1,211,863; Jan. 9; v. 234; p. 545.
- Electricity, Apparatus for generating. S. A. Reed. No. 1,225,175; May 8; v. 238; p. 420.
- Electricity, Apparatus for the production of high-frequency currents of. D. G. McCaa. No. 1,247,556; Nov. 20; v. 244; p. 778.
- Electricity-meter. R. C. Lanphier. No. 1,219,648; Mar. 20; v. 236; p. 679.
- Electricity-meter. O. White. No. 1,221,934; Apr. 10; v. 237; p. 359.
- Electricity, Process and apparatus for rectifying alternating currents of. W. H. Chapman. No. 1,228,405; June 5; v. 239; p. 11.
- Electricity, System for supplying. W. O. Kennington. No. 1,219,008; Mar. 13; v. 236; p. 429.
- Electrode. C. W. Duke. No. 1,212,610; Jan. 16; v. 234; p. 836.
- Electrode and coating therefor. J. C. King. No. 1,223,986; Apr. 24; v. 237; p. 1145.
- Electrode and making the same. J. E. Thomsen. No. 1,243,009; Oct. 16; v. 243; p. 565.
- Electrode and making the same, Protected. E. H. Becker. No. 1,211,388; Jan. 9; v. 234; p. 381.
- Electrode and manufacturing same, Carbon. R. D. Pike. No. 1,215,700; Feb. 13; v. 235; p. 464.
- Electrode, Arc-lamp. W. R. Mott. No. 1,235,996; Aug. 7; v. 241; p. 152.
- Electrode, Arc-lamp. W. R. Mott. No. 1,239,810; Sept. 11; v. 242; p. 377.
- Electrode, Arc-lamp. W. R. Mott. No. 1,244,358; Oct. 23; v. 243; p. 1008.
- Electrode, Arc-lamp. W. R. Mott. No. 1,244,359; Oct. 23; v. 243; p. 1008.
- Electrode, Arc-light. K. Tornberg. No. 1,240,628; Sept. 18; v. 242; p. 667.
- Electrode, Arc-light. R. P. Walker. No. 1,225,194; May 8; v. 238; p. 427.
- Electrode for generating pure oxygen. J. F. Sanders. No. 1,218,584; Mar. 6; v. 236; p. 240.
- Electrode for slip-regulators. G. W. Huey. No. 1,248,495; Dec. 4; v. 245; p. 19.
- Electrode, Gravity-battery. P. T. MacNamara. No. 1,225,346; May 8; v. 238; p. 481.
- Electrode grip-handle. W. H. Earnest. No. 1,247,800; Nov. 27; v. 244; p. 885.
- Electrode-holder. R. O. Jackson. No. 1,242,554; Oct. 9; v. 243; p. 385.
- Electrode-holder. J. C. Lincoln. No. 1,217,468; Feb. 27; v. 235; p. 1176.
- Electrode of metallic vapor-rectifier or other apparatus. A. Aichele. No. 1,221,647; Apr. 3; v. 237; p. 223.
- Electrode or grid, Storage-battery. W. Morrison. No. 1,227,295; May 22; v. 238; p. 1218.
- Electrode used in the electrolytic process of refining metals. F. L. Antisell. No. 1,250,757; Dec. 18; v. 245; p. 749.
- Electrode, Water-cooled welding. H. O. Bernard. No. 1,221,958; Apr. 10; v. 237; p. 366.
- Electrodes, Device for controlling energy delivered to welding. H. R. Woodrow. No. 1,230,357; June 19; v. 239; p. 750.
- Electrodes, Manufacture of. E. H. Becker. No. 1,228,169; May 29; v. 238; p. 1540.
- Electrodes, Manufacture of. A. P. Scott. No. 1,226,121; May 15; v. 238; p. 754.
- Electrodes, Metal, terminal for. G. M. Little. No. 1,246,441; Nov. 13; v. 244; p. 419.
- Electrodes, Retaining envelop or cover for storage-battery. E. W. Smith and E. G. Steinmetz. No. 1,218,329; Mar. 6; v. 236; p. 155.
- Electrodes, Supporting means for arc-lamp. J. C. Ohnstad. No. 1,236,206; Aug. 7; v. 241; p. 218.
- Electrodeposition of metals, Apparatus for. A. Leuchter. No. 1,249,787; Dec. 11; v. 245; p. 424.
- Electrodeposition, Process of and apparatus for densified. N. Huggins. No. 1,236,438; Aug. 14; v. 241; p. 324.
- Electrodynamometer instrument. J. T. Irwin. No. 1,224,171; May 1; v. 238; p. 20.
- Electrofluid-pressure brake. W. V. Turner. No. 1,245,288; Nov. 6; v. 244; p. 43.
- Electroliers, Fitting for. K. Kornbau. No. 1,244,615; Oct. 30; v. 243; p. 1124.
- Electrolysis of alkaline haloids. K. Ochs. No. 1,222,239; Apr. 10; v. 237; p. 465.
- Electrolysis, Treating organic compounds by. A. Piguet. No. 1,225,052; May 8; v. 238; p. 379.
- Electrolytic apparatus. L. W. Chubb. No. 1,250,141; Dec. 18; v. 245; p. 565.
- Electrolytic apparatus. J. Coulson. No. 1,250,146; Dec. 18; v. 245; p. 567.
- Electrolytic apparatus. J. Coulson. No. 1,250,286; Dec. 18; v. 245; p. 609.
- Electrolytic apparatus. W. E. Greenawalt. No. 1,214,775; Feb. 6; v. 235; p. 101.
- Electrolytic apparatus. H. R. Hanley. No. 1,241,967; Oct. 2; v. 243; p. 158.
- Electrolytic apparatus. I. H. Levin. No. 1,247,694; Nov. 27; v. 244; p. 851.
- Electrolytic apparatus. H. T. Shriver. No. 1,239,530; Sept. 11; v. 242; p. 286.
- Electrolytic cell. N. V. Hybinette. No. 1,239,012; Sept. 4; v. 242; p. 94.
- Electrolytic cell. H. C. Jenkins. No. 1,250,183; Dec. 18; v. 245; p. 578.
- Electrolytic cell. F. G. Wheeler. No. 1,236,025; Aug. 7; v. 241; p. 163.
- Electrolytic cell structure. H. B. Slater. No. 1,231,955; July 3; v. 240; p. 140.
- Electrolytic deposition, Apparatus for. F. L. Antisell. No. 1,239,443; Sept. 11; v. 242; p. 259.
- Electrolytic rectifier. C. C. Ruprecht. No. 1,223,114; Apr. 17; v. 237; p. 810.
- Electrolyzer, Bipolar-electrode. G. G. Hepburn. No. 1,213,871; Jan. 30; v. 234; p. 1336.
- Electrolyzing apparatus. R. J. J. Mueller. No. 1,221,206; Apr. 3; v. 237; p. 73.

- Electrolyzing apparatus, Water-. R. J. J. Mueller and E. G. Rowland. No. 1,220,262; Mar. 27; v. 236; p. 931.
- Electromagnet. F. Bossu. No. 1,242,763; Oct. 9; v. 243; p. 452.
- Electromagnet. C. L. and H. L. Krum. No. 1,220,433; Mar. 27; v. 236; p. 993.
- Electromagnet. F. R. Parker. No. 1,226,617; May 15; v. 238; p. 948.
- Electromagnet. C. C. Powers. No. 1,231,193; June 26; v. 239; p. 1069.
- Electromagnet construction. H. E. Reeve. No. 1,236,357; Aug. 7; v. 241; p. 263.
- Electromagnetic apparatus. C. O. Harrington. No. 1,216,446; Feb. 20; v. 235; p. 782.
- Electromagnetic apparatus. D. J. McCarthy. No. 1,222,431; Apr. 10; v. 237; p. 533.
- Electromagnetic apparatus. H. F. Stratton. No. 1,225,687; May 8; v. 238; p. 594.
- Electromagnetic brake. G. G. Geit. No. 1,246,257; Nov. 13; v. 244; p. 363.
- Electromagnetic control-switch, Alternating-current. J. T. Skinner. No. 1,230,934; June 26; v. 239; p. 979.
- Electromagnetic device. G. C. Crawford. No. 1,248,461; Dec. 4; v. 245; p. 10.
- Electromagnetic device. C. W. Dunham. No. 1,215,508; Feb. 13; v. 235; p. 393.
- Electromagnetic device. D. D. Miller. No. 1,240,471; Sept. 18; v. 242; p. 621.
- Electromagnetic device. W. C. Neahr. No. 1,241,139; Sept. 25; v. 242; p. 859.
- Electromagnetic device. J. C. R. Palmer and F. J. Holmes. No. 1,230,429; June 19; v. 239; p. 772.
- Electromagnetic device. K. C. Randall. No. 1,241,554; Oct. 2; v. 243; p. 28.
- Electromagnetic device. H. F. Stratton. No. 1,227,341; May 22; v. 238; p. 1232.
- Electromagnetic devices, Coil structure for. C. H. Thorndarson. No. 1,215,429; Feb. 13; v. 235; p. 363.
- Electromagnetic element or structure. M. A. Hunter. No. 1,226,667; May 22; v. 238; p. 1004.
- Electromagnetic engine. E. Bachelet. No. 1,232,174; July 3; v. 240; p. 215.
- Electromagnetic separator. C. T. Henderson. No. 1,245,717; Nov. 6; v. 244; p. 174.
- Electromagnetic signal. W. Kaisling. No. 1,212,949; Mar. 20; v. 236; p. 784.
- Electromagnetic switch. F. Kratz. No. 1,231,271; June 26; v. 239; p. 1094.
- Electromagnetic switch. E. J. Murphy. No. 1,231,412; June 26; v. 239; p. 1142.
- Electromagnetic switch. B. W. Sweet and F. Schneider. No. 1,238,719; Aug. 28; v. 241; p. 1126.
- Electromagnetic switch. J. L. Woodbridge. No. 1,225,888; May 8; v. 238; p. 495.
- Electromagnetic winding. C. T. Henderson. No. 1,239,008; Sept. 4; v. 242; p. 93.
- Electromedical device. A. H. Davidson and W. C. McKellar. No. 1,230,283; June 19; v. 239; p. 726.
- Electromotive force of special wave form, Apparatus for producing an. E. F. W. Alexanderson. No. 1,250,752; Dec. 18; v. 245; p. 748.
- Electron-discharge apparatus and method of operating the same. I. Langmuir. No. 1,244,217; Oct. 23; v. 243; p. 966.
- Electron-discharge apparatus and method of preparation. I. Langmuir. No. 1,244,216; Oct. 23; v. 243; p. 966.
- Electron-discharge apparatus and operating the same. W. D. Coolidge. No. 1,211,376; Jan. 2; v. 234; p. 340.
- Electroplating. H. N. Gilbert. No. 1,246,083; Nov. 13; v. 244; p. 310.
- Electroplating and lacquering apparatus. J. J. Mace and J. R. Murr. No. 1,210,663; Jan. 2; v. 234; p. 100.
- Electroplating apparatus. L. Potthoff. No. 1,243,098; Oct. 16; v. 243; p. 594.
- Electroplating apparatus. E. B. Stone. No. 1,249,286; Dec. 4; v. 245; p. 249.
- Electroplating-machine, Sectional reinforcing. G. O. Morrison and W. Thompson. No. 1,220,260; Mar. 27; v. 236; p. 930.
- Electroplating pipes, rods, &c., Apparatus for. N. H. Raymond. No. 1,218,802; Mar. 13; v. 236; p. 357.
- Electroplating tubes, Apparatus for. N. H. Raymond. No. 1,215,856; Feb. 13; v. 235; p. 519.
- Electroplating wire cloth, Method of and apparatus for. R. O. Hood. No. 1,242,695; Oct. 9; v. 243; p. 431.
- Electropneumatic brake. W. V. Turner. No. 1,214,616; Feb. 6; v. 235; p. 47.
- Electrostatic separator for inflammable materials. J. Kraus. No. 1,222,305; Apr. 10; v. 237; p. 487.
- Electrotanning, Method of and apparatus for. L. A. Groth. No. 1,222,861; Apr. 17; v. 237; p. 723.
- Electrothermostatic controller. J. C. Schaf, Jr., and W. E. Munk. No. 1,223,117; Apr. 17; v. 237; p. 811.
- Electrotherapeutic mechanism. W. Meyer. No. 1,235,712; Aug. 7; v. 241; p. 58.
- Electrotype-block-trimming machine. E. N. Green. No. 1,217,297; Feb. 27; v. 235; p. 1116.
- Electrotype-blocks or the like, Work-holder for machines for trimming. A. R. Koehler. No. 1,227,156; May 22; v. 238; p. 1173.
- Electrotype-plates or metallic shells, Making. F. T. Thompson. No. 1,210,872; Jan. 2; v. 234; p. 169.
- Electrotype-shells, Apparatus for backing. J. F. Gounley. No. 1,219,289; Mar. 13; v. 236; p. 523.
- Elements from their compounds, Securing. V. M. Weaver. No. 1,241,796; Oct. 2; v. 243; p. 104.
- Elevated-carrier lock. C. Madson. No. 1,244,353; Oct. 23; v. 243; p. 1007.
- Elevating apparatus. J. H. Gilman. No. 1,245,580; Nov. 6; v. 244; p. 133.
- Elevating, hinging, and supporting mechanism, Mechanical hump. L. Marchant. No. 1,238,547; Aug. 28; v. 241; p. 1076.
- Elevating-jack. A. Sadlock. No. 1,214,378; Jan. 30; v. 234; p. 1513.
- Elevating-machine. C. W. Hadley. No. 1,225,809; May 15; v. 238; p. 678.
- Elevator: See—
- Automatic elevator. Lift-elevator.
 - Automobile-elevator. Liquid-elevator.
 - Battery-elevator. Mail-elevator.
 - Bucket-elevator. Package-elevator.
 - Ensilage-elevator. Portable elevator.
 - Grain-elevator. Sidewalk-elevator.
 - Grain-spout elevator. Silo-elevator.
 - Harvester-elevator. Vehicle-elevator.
 - Hay-elevator. Water-balanced elevator.
 - Hydraulic elevator. Water-elevator.
- Elevator. S. E. Arey and J. J. Hern. No. 1,211,999; Jan. 9; v. 234; p. 593.
- Elevator. L. A. Breneman. No. 1,240,172; Sept. 18; v. 242; p. 525.
- Elevator. M. M. Dendinger. No. 1,248,279; Nov. 27; v. 244; p. 1019.
- Elevator. H. P. Fisher. No. 1,240,552; Sept. 18; v. 242; p. 645.
- Elevator. T. P. Ford. No. 1,223,950; Apr. 24; v. 237; p. 1133.
- Elevator-brake. C. Mueller. No. 1,249,453; Dec. 11; v. 245; p. 327.
- Elevator. C. G. Pfeiffer and G. W. Parker, Jr. No. 1,212,396; Jan. 16; v. 234; p. 760.
- Elevator. A. L. Schuller. No. 1,226,020; May 15; v. 238; p. 750.
- Elevator. C. D. Seeberger. No. 1,231,075; June 26; v. 239; p. 1029.
- Elevator. J. J. Sproul. No. 1,218,711; Mar. 13; v. 236; p. 323.
- Elevator. B. D. Sumner. No. 1,223,007; Apr. 17; v. 237; p. 773.
- Elevator. A. E. Suter. No. 1,236,230; Aug. 7; v. 241; p. 227.
- Elevator. J. M. Whalbe. No. 1,232,742; July 10; v. 240; p. 434.
- Elevator. J. M. Whalbe. (Reissue.) No. 14,363; Sept. 18; v. 242; p. 726.
- Elevator appliance. F. Dodge. No. 1,219,268; Mar. 13; v. 236; p. 517.
- Elevator attachment for vehicles. J. F. and T. J. Kissane. No. 1,231,380; June 26; v. 239; p. 1131.
- Elevator-brake. J. Zweiback. No. 1,235,513; July 31; v. 240; p. 1420.
- Elevator-buckets, Attaching-hanger for. A. D. McPherson. No. 1,210,662; Jan. 2; v. 234; p. 100.
- Elevator cage, Mine-. O. G. Lee and F. M. Osborne. No. 1,221,754; Apr. 3; v. 237; p. 261.
- Elevator cages, Safety device for mine-. G. Coates. No. 1,219,918; Mar. 20; v. 236; p. 773.
- Elevator-cars, Mechanism for automatically controlling. F. F. Worthen. No. 1,219,061; Mar. 13; v. 236; p. 446.
- Elevator construction. P. F. Ellmer and C. Streff. No. 1,241,724; Oct. 2; v. 243; p. 83.
- Elevator-control lock. E. L. Dunn. No. 1,246,894; Nov. 20; v. 244; p. 590.
- Elevator-control system. D. Larson. No. 1,225,976; May 15; v. 238; p. 735.
- Elevator-control system, Electric. N. Lindstrom and C. E. E. Olofson. No. 1,246,623; Nov. 13; v. 244; p. 475.
- Elevator-controlling means. F. M. Fitzgerald and R. S. Hatch. No. 1,214,907; Feb. 6; v. 235; p. 148.
- Elevator-controlling means. G. K. Mitchell. No. 1,223,819; Apr. 24; v. 237; p. 1089.
- Elevator-controlling system, Electric. W. S. Smith. No. 1,228,075; May 20; v. 238; p. 1510.
- Elevator-controlling system, Electric. W. S. Smith. No. 1,249,682; Dec. 11; v. 245; p. 392.
- Elevator-door. M. Gilmore. No. 1,234,750; July 31; v. 240; p. 1187.
- Elevator-door. B. Wexler. No. 1,237,431; Aug. 21; v. 241; p. 682.
- Elevator-door control. H. C. Randall. No. 1,236,980; Aug. 14; v. 241; p. 501.
- Elevator-door control. W. E. Wragg. No. 1,240,291; Sept. 18; v. 242; p. 564.
- Elevator-door lock. R. F. Le Brocq. No. 1,224,182; May 1; v. 238; p. 24.
- Elevator-door-locking mechanism. E. L. Dunn. No. 1,223,157; Apr. 17; v. 237; p. 826.
- Elevator-door mechanism. F. C. Furlow. No. 1,228,201; May 29; v. 238; p. 1549.
- Elevator-door-operating apparatus. A. H. Otis. No. 1,210,680; Jan. 2; v. 234; p. 105.
- Elevator-door-operating device. J. B. Davis. No. 1,245,882; Nov. 6; v. 244; p. 224.
- Elevator-door-operating means. S. B. Douse. No. 1,243,924; Oct. 23; v. 243; p. 879.

Alphabetical list of inventions—Continued.

- Elevator door, Sidewalk. J. S. Lindholm. No. 1,210,817; Jan. 2; v. 234; p. 151.
- Elevator-doors, Safety-catch for. B. Spitzfaden. No. 1,232,438; July 3; v. 240; p. 298.
- Elevator-doors, Silencer and connecting medium for. B. Spitzfaden. No. 1,232,439; July 3; v. 240; p. 298.
- Elevator-gate, Automatic safety. J. H. Cole. No. 1,225,773; May 15; v. 238; p. 666.
- Elevator-gate-controlling device. R. Pitt. No. 1,249,188; Dec. 4; v. 245; p. 219.
- Elevator-guide lubricator. J. I. Primm. No. 1,216,607; Feb. 20; v. 235; p. 839.
- Elevator-head. G. J. Bickhart. No. 1,221,961; Apr. 10; v. 237; p. 367.
- Elevator-lock, Revolving portable. W. E. Boehck and H. S. Germond, Jr. No. 1,213,828; Jan. 30; v. 234; p. 1322.
- Elevator-locking mechanism. H. L. Beck, J. J. Houlahan, and J. Weible. No. 1,232,646; July 10; v. 240; p. 399.
- Elevator mechanism, Safety. J. A. Martin. No. 1,221,885; Apr. 10; v. 237; p. 341.
- Elevator protective apparatus. W. Keating. No. 1,221,543; Apr. 3; v. 237; p. 190.
- Elevator safety appliance. W. L. Finne. No. 1,244,723; Oct. 30; v. 243; p. 1158.
- Elevator safety appliance. J. T. Hall. No. 1,212,347; Jan. 16; v. 234; p. 744.
- Elevator safety appliance. L. Lewandowski. No. 1,238,414; Aug. 28; v. 241; p. 1031.
- Elevator safety appliance. R. J. and C. L. Roulo. No. 1,234,807; July 31; v. 240; p. 1204.
- Elevator safety attachment. L. Lewandowski. No. 1,218,285; Mar. 6; v. 236; p. 140.
- Elevator safety controlling mechanism. E. L. Dunn. No. 1,212,195; Jan. 16; v. 234; p. 688.
- Elevator safety device. J. L. Davis. No. 1,225,780; May 15; v. 238; p. 669.
- Elevator safety device. W. Gallimore. No. 1,246,256; Nov. 13; v. 244; p. 363.
- Elevator safety device. W. H. Golder. No. 1,220,741; Mar. 27; v. 236; p. 1098.
- Elevator safety device. E. E. Graebing. No. 1,221,531; Apr. 3; v. 237; p. 187.
- Elevator safety device. E. A. Hanff. No. 1,215,524; Feb. 13; v. 235; p. 398.
- Elevator safety device. H. T. Scott. No. 1,238,346; Aug. 28; v. 241; p. 1010.
- Elevator safety device. C. P. Sugg. No. 1,219,050; Mar. 13; v. 236; p. 443.
- Elevator safety device. I. H. Venn. No. 1,242,394; Oct. 9; v. 243; p. 335.
- Elevator safety device, Automatic. P. Roth. No. 1,217,068; Feb. 20; v. 235; p. 992.
- Elevator safety-gate. M. Moul. No. 1,245,946; Nov. 6; v. 244; p. 242.
- Elevator safety-lock for vertical doors. G. S. Williamson. No. 1,247,773; Nov. 27; v. 244; p. 877.
- Elevator safety locking device. A. T. Mackie. No. 1,233,798; July 17; v. 240; p. 812.
- Elevator safety mechanism. F. E. Turner. No. 1,249,860; Dec. 11; v. 245; p. 446.
- Elevator safety system. W. T. Dunford. No. 1,221,810; Apr. 3; v. 237; p. 281.
- Elevator safety system. W. T. Dunford. No. 1,237,882; Aug. 21; v. 241; p. 825.
- Elevator safety system. H. G. Hillman. No. 1,244,211; Oct. 23; v. 243; p. 964.
- Elevator safety system. G. S. Williamson. No. 1,213,442; Jan. 23; v. 234; p. 1160.
- Elevator shaft and car doors, Operating means for. J. E. W. Fogel. No. 1,225,606; May 8; v. 238; p. 568.
- Elevator-shaft doors, Safety mechanism for. A. J. Rosentreter. No. 1,235,603; Aug. 7; v. 241; p. 24.
- Elevator-shaft sliding-door mechanism. A. J. Rosentreter. No. 1,244,899; Oct. 30; v. 243; p. 1211.
- Elevator-signal. R. H. Gaylord. No. 1,215,795; Feb. 13; v. 235; p. 496.
- Elevator-signal. R. H. Gaylord. No. 1,221,527; Apr. 3; v. 237; p. 185.
- Elevator signaling apparatus and circuit therefor. C. A. Reiners. No. 1,219,775; Mar. 20; v. 236; p. 722.
- Elevator signaling system. W. A. Loomis. No. 1,231,033; June 26; v. 239; p. 1014.
- Elevator sliding door. H. P. Walker. No. 1,234,090; July 17; v. 240; p. 905.
- Elevator speed-regulator. E. S. Matthews. No. 1,212,154; Jan. 9; v. 234; p. 645.
- Elevator system. E. S. Miller. No. 1,216,476; Feb. 20; v. 235; p. 792.
- Elevator system, Electric. E. M. Fraser. No. 1,237,321; Aug. 21; v. 241; p. 647.
- Elevator systems, Safety-lock for. W. T. Dunford. No. 1,221,809; Apr. 3; v. 237; p. 280.
- Elevator systems, Signal device for. C. D. Seeberger. No. 1,223,527; Apr. 24; v. 237; p. 986.
- Elevators, Adjustable support for cup. J. H. Gilman. No. 1,228,205; May 29; v. 238; p. 1551.
- Elevators, Automatic safety gate-closing device for freight. M. F. Biersdorf. No. 1,229,019; June 5; v. 239; p. 217.
- Elevators, Automatic timer for starting. G. H. Rowe. No. 1,230,434; June 19; v. 239; p. 774.
- Elevators, Interlocking and door-operating device for. E. L. Dunn. No. 1,232,903; July 10; v. 240; p. 486.
- Elevators, Interlocking control system for. H. Rowntree. No. 1,216,846; Feb. 20; v. 235; p. 919.
- Elevators, Interlocking mechanism for. J. S. Mucklé and T. H. Straley. No. 1,222,444; Apr. 10; v. 237; p. 537.
- Ellipsograph. A. Baumeister. No. 1,224,591; May 1; v. 238; p. 170.
- Ellipsograph. J. A. Caldwell. No. 1,235,108; July 31; v. 240; p. 1297.
- Ellipsograph attachment for routing-machines. V. and V. E. Royle. No. 1,226,912; May 22; v. 238; p. 1087.
- Embalming and operating table. W. O. Canouts. No. 1,232,491; July 10; v. 240; p. 351.
- Embalming fluid. G. Q. Smith. No. 1,215,210; Feb. 6; v. 235; p. 254.
- Emblem. G. G. Jones. No. 1,220,233; Mar. 27; v. 236; p. 921.
- Emblem brooch, pin, or the like. A. Schwartzman. No. 1,224,965; May 8; v. 238; p. 350.
- Emblems, Receptacle for sacred. E. L. Manahan. No. 1,230,746; June 19; v. 239; p. 878.
- Embossing. W. J. Ellis. No. 1,223,484; Apr. 24; v. 237; p. 960.
- Embossing-base, Electrically-heated. J. H. Schussler. No. 1,217,226; Feb. 27; v. 235; p. 1092.
- Embossing-dies, Mounting-block for. H. E. Van Doren. No. 1,215,435; Feb. 13; v. 235; p. 366.
- Embossing-machine. F. A. Putnam. No. 1,241,278; Sept. 25; v. 242; p. 907.
- Embossing-machine. H. D. Schmidt. No. 1,241,152; Sept. 25; v. 242; p. 864.
- Embossing, Method and apparatus for producing dais and sunk-dais. J. Saunders. No. 1,243,226; Oct. 16; v. 243; p. 632.
- Embossing-press. R. Marx. No. 1,240,750; Sept. 18; v. 242; p. 705.
- Embroidered trimming. M. J. Neumann. No. 1,215,400; Feb. 13; v. 235; p. 353.
- Embroidering. R. Loeb. No. 1,217,193; Feb. 27; v. 235; p. 1082.
- Embroidering-machine. K. Eggart. No. 1,214,525; Feb. 6; v. 235; p. 15.
- Embroidering-machine. K. Eggart and D. Fischer. No. 1,213,344; Jan. 23; v. 234; p. 1126.
- Embroidering-machine. J. Granz. No. 1,211,933; Jan. 9; v. 234; p. 571.
- Embroidering-machine. J. A. Groebli. No. 1,228,666; June 5; v. 239; p. 98.
- Embroidering-machine. J. A. Groebli. No. 1,247,264; Nov. 20; v. 244; p. 695.
- Embroidering-machine. J. C. Ringe. No. 1,241,022; Sept. 25; v. 242; p. 824.
- Embroidering-machine. G. Sieber. No. 1,214,599; Feb. 6; v. 235; p. 41.
- Embroidering-machine. W. A. Stellmacher. No. 1,223,439; Apr. 24; v. 237; p. 953.
- Embroidering-machines, Fabric-frame for. K. Eggart. No. 1,234,741; July 31; v. 240; p. 1185.
- Embroidering-machines, Fabric shifting and tensioning mechanism for. J. A. Groebli. No. 1,210,793; Jan. 2; v. 234; p. 143.
- Embroidering-machines, Hosiery-holder for. I. Rader. No. 1,222,670; Apr. 17; v. 237; p. 659.
- Embroidering-machines, Stitch-forming mechanism for. A. H. Meyer. No. 1,235,148; July 31; v. 240; p. 1309.
- Embroidering presser-foot. R. Cornely. No. 1,221,291; Apr. 3; v. 237; p. 103.
- Embroidering process. W. H. Bechler. No. 1,233,018; July 10; v. 240; p. 522.
- Embroidery device. A. M. Andrews. No. 1,248,783; Dec. 4; v. 245; p. 105.
- Embroidery, Filler-form for. J. Gottschalk. No. 1,221,440; Apr. 3; v. 237; p. 154.
- Embroidery-frame clamp. A. Warta. No. 1,229,836; June 12; v. 239; p. 542.
- Embroidery-holder. J. H. Pettit. No. 1,242,972; Oct. 16; v. 243; p. 553.
- Embroidery-hoop. G. G. Alyea. No. 1,229,857; June 12; v. 239; p. 549.
- Embroidery-hoop. B. F. Dick. No. 1,232,242; July 3; v. 240; p. 236.
- Embroidery-hoop. W. A. Finley. No. 1,249,057; Dec. 4; v. 245; p. 182.
- Embroidery-hoop. N. C. Leonard. No. 1,232,817; July 10; v. 240; p. 457.
- Embroidery-hoop. G. A. Moore. No. 1,244,230; Oct. 23; v. 243; p. 970.
- Embroidery-hoop. F. W. Preyer. No. 1,244,892; Oct. 30; v. 243; p. 1209.
- Embroidery-hoop. E. M. Westhaver. No. 1,221,123; Apr. 3; v. 237; p. 42.
- Embroidery-machine. M. Schoenfeld. No. 1,248,555; Dec. 4; v. 245; p. 37.
- Embroidery-machine, Jacquard. K. Eggart. No. 1,210,776; Jan. 2; v. 234; p. 136.
- Embroidery-machines, Cord-laying device for. M. Schoenfeld. No. 1,248,556; Dec. 4; v. 245; p. 38.
- Embroidery, Ornamental. R. Loeb. No. 1,232,940; July 10; v. 240; p. 498.

- Embroidery, Ornamental. R. Loeb. No. 1,232,941; July 10; v. 240; p. 498.
- Embroidery, ornamentation, Making. R. Loeb. No. 1,233,258; July 10; v. 240; p. 599.
- Embroidery, ornamentation, Making. R. Loeb. No. 1,233,259; July 10; v. 240; p. 599.
- Embroidery outfit. G. Von Howath. No. 1,211,793; Jan. 9; v. 234; p. 519.
- Embroidery, Transfer-mount for. A. Stern. (Reissue.) No. 14,399; Nov. 27; v. 244; p. 1066.
- Embroidery, Work-holder for hand. J. S. Wilson. No. 1,229,204; June 5; v. 239; p. 279.
- Emergency-brake. L. Dufek. No. 1,220,613; Mar. 27; v. 236; p. 1055.
- Emergency-brake. G. F. Knisley. No. 1,240,150; Sept. 11; v. 242; p. 480.
- Emergency-brake, Straight-air. W. V. Turner. No. 1,228,498; June 5; v. 239; p. 42.
- Emergency-lock. A. Barr. No. 1,232,182; July 3; v. 240; p. 217.
- Emergency-stop for electrically-driven apparatus. C. D. Swett. No. 1,250,708; Dec. 18; v. 245; p. 735.
- Emery-wheel dresser. E. J. Brisben. No. 1,220,175; Mar. 27; v. 236; p. 901.
- Emery-wheels and the like, Apparatus and process for baking. H. R. Simonds. No. 1,215,067; Feb. 6; v. 235; p. 206.
- Employee's number, name, and rate record. W. H. Stafford, R. M. Millard, and J. Paul. No. 1,225,073; May 8; v. 238; p. 386.
- Emulsifiable liquid or solid solution and making it. R. Vidal. No. 1,229,681; June 12; v. 239; p. 491.
- Emulsifying fats and fatty substances. J. Schlinck. No. 1,220,010; Mar. 20; v. 236; p. 804.
- Emulsifying-machine. A. W. Else. No. 1,249,358; Dec. 11; v. 245; p. 300.
- Emulsions of compound waxes and the product of said method, Method of making. G. W. Miles. No. 1,224,948; May 8; v. 238; p. 345.
- Emulsions, Preparing stencil. J. A. Bailey and H. E. Kalusowski. No. 1,231,554; July 3; v. 240; p. 4.
- Enamel. E. Lambert and W. E. Mathews. No. 1,234,777; July 31; v. 240; p. 1196.
- Enamel and making the same. M. Mayer and B. Havas. No. 1,220,253; Mar. 27; v. 236; p. 927.
- Enamels or glazes by means of substitutes for stannic acid, Producing well-clouded. H. Kretzer and A. Capel. No. 1,239,112; Sept. 4; v. 242; p. 126.
- Enamels, Production of ground. P. Eyer. No. 1,249,937; Dec. 11; v. 245; p. 469.
- End-gate. G. W. Luckenbaugh. No. 1,244,351; Oct. 23; v. 243; p. 1006.
- End-gate and locking means therefor. W. E. Gardner. No. 1,239,899; Sept. 11; v. 242; p. 406.
- End-gate fastener. H. J. Anderson. No. 1,227,231; May 22; v. 238; p. 1198.
- End-gate fastener. C. W. Geyer. No. 1,242,543; Oct. 9; v. 243; p. 381.
- End-gate fastener. J. D. Moritz. No. 1,246,141; Nov. 13; v. 244; p. 329.
- End-gate fastener. C. S. Schwartz. No. 1,240,608; Sept. 18; v. 242; p. 661.
- End-gate fastener, Wagon. W. A. Pearson. No. 1,236,104; Aug. 7; v. 241; p. 185.
- End-gate for dumping-vehicles. E. Hudson. No. 1,245,591; Nov. 6; v. 244; p. 137.
- End-gate for grain tank-wagons. P. Peterson. No. 1,224,319; May 1; v. 238; p. 73.
- End-gate for motor-trucks. B. Gheffoli. No. 1,239,174; Sept. 4; v. 242; p. 145.
- End-gate for wagons, Convertible. A. W. Lightburne. No. 1,214,045; Jan. 30; v. 234; p. 1397.
- End-gate-locking mechanism. A. M. Nelson. No. 1,223,822; Apr. 24; v. 237; p. 1090.
- End-gate rod. W. H. Zorn. No. 1,247,778; Nov. 27; v. 244; p. 878.
- End-gate, Wagon. W. Brubaker. No. 1,219,910; Mar. 20; v. 236; p. 770.
- End-gate, Wagon. W. Brubaker. No. 1,251,335; Dec. 25; v. 245; p. 970.
- End-gate, Wagon. J. G. Hastings. No. 1,213,633; Jan. 23; v. 234; p. 1226.
- End-gate, Wagon. O. B. James. No. 1,247,538; Nov. 20; v. 244; p. 773.
- End-gate, Wagon. C. A. Leggett and A. W. Kersey. No. 1,227,917; May 29; v. 238; p. 1456.
- End-gate, Wagon. C. Polson. No. 1,242,860; Oct. 9; v. 243; p. 483.
- End-gate, Wagon. C. D. Smith. No. 1,227,332; May 22; v. 238; p. 1230.
- End-gate, Wagon. C. A. Stroback, Jr. No. 1,214,386; Jan. 30; v. 234; p. 1516.
- End-matcher. W. S. Sherman. No. 1,229,800; June 12; v. 239; p. 529.
- Energy, Accumulating and storing. N. H. Christoffers. No. 1,248,807; Dec. 4; v. 245; p. 113.
- Energy by means of alternately-moving air columns, Machine for use in transmitting. H. Christiansen. No. 1,244,955; Oct. 30; v. 243; p. 1228.
- Energy, Utilizing expansive. W. C. Brown. No. 1,224,705; May 1; v. 238; p. 210.
- Enfilading-machine. W. H. Norfolk. No. 1,227,487; May 22; v. 238; p. 1280.
- Engine: See—
- Automobile-engine.
 - Beating-engine.
 - Combustion-engine.
 - Compound-engine.
 - Compressed-air engine.
 - Cycle-engine.
 - Diesel engine.
 - Electromagnetic engine.
 - Explosion-engine.
 - Explosive-engine.
 - Fire-engine.
 - Fluid-engine.
 - Fluid-pressure engine.
 - Gas-engine.
 - Gas and steam engine.
 - Gasolene-engine.
 - Heat-engine.
 - Hoisting-engine.
 - Horizontal engine.
 - Hydrocarbon-engine.
 - Internal-combustion engine.
 - Internal-combustion and steam engine.
 - Internal-explosion engine.
 - Locomotive-engine.
 - Oil-engine.
 - Pneumatic engine.
 - Pulp-beating engine.
 - Pumping-engine.
 - Reciprocating engine.
 - Rock-drilling engine.
 - Rotary engine.
 - Rotary elastic-fluid engine.
 - Rotary explosive-engine.
 - Rotary gas-engine.
 - Rotary internal-combustion engine.
 - Rotary multicylinder engine.
 - Rotary steam-engine.
 - Screw-engine.
 - Sleeve-valve engine.
 - Steam-engine.
 - Traction-engine.
 - Tractor-engine.
 - Turbine-engine.
 - Two-cycle engine.
 - Two-cylinder engine.
 - Water-driven engine.
 - Windmill-engine.
- Engine. G. S. Cooper. No. 1,216,777; Feb. 20; v. 235; p. 896.
- Engine. A. J. Culp. No. 1,211,095; Jan. 2; v. 234; p. 247.
- Engine. C. A. Faessler. No. 1,245,154; Nov. 6; v. 244; p. 4.
- Engine. C. Fisher. No. 1,232,265; July 3; v. 240; p. 244.
- Engine. S. O. Gould. No. 1,221,530; Apr. 3; v. 237; p. 186.
- Engine. J. L. Hart. No. 1,222,863; Apr. 17; v. 237; p. 724.
- Engine. J. O. Heinze, Jr. No. 1,220,335; Mar. 27; v. 236; p. 959.
- Engine. J. H. Kelley. No. 1,235,810; Aug. 7; v. 241; p. 92.
- Engine. D. F. Llewellyn. No. 1,242,826; Oct. 9; v. 243; p. 472.
- Engine. H. L. Lowe. No. 1,225,259; May 8; v. 238; p. 447.
- Engine. A. J. Marx. No. 1,231,927; July 3; v. 240; p. 131.
- Engine. H. G. Mortimer. No. 1,215,963; Feb. 13; v. 235; p. 558.
- Engine. W. Petz. No. 1,242,855; Oct. 9; v. 243; p. 482.
- Engine. A. V. Rasmussen. No. 1,243,554; Oct. 16; v. 243; p. 728.
- Engine. C. W. Shartle. No. 1,225,874; May 15; v. 238; p. 700.
- Engine. A. Van Altena. No. 1,224,814; May 1; v. 238; p. 248.
- Engine. H. P. T. Van Keuren. No. 1,225,376; May 8; v. 238; p. 491.
- Engine alarm, Hoisting. W. J. Lilly. No. 1,239,409; Sept. 4; v. 242; p. 220.
- Engine and pump, Combined. G. A. Boyden, Jr. No. 1,250,423; Dec. 18; v. 245; p. 650.
- Engine, Apparatus for supplying water-vapor to the cylinders of an internal-combustion. F. T. Romberger. No. 1,214,372; Jan. 30; v. 234; p. 1510.
- Engine appliance. J. W. Jepson. No. 1,240,724; Sept. 18; v. 242; p. 697.
- Engine appliance. J. W. Jepson. No. 1,240,725; Sept. 18; v. 242; p. 697.
- Engine attachment. T. L. Kirby. No. 1,214,322; Jan. 30; v. 234; p. 1494.
- Engine attachment, Gas. A. De Clairmont. No. 1,231,574; July 3; v. 240; p. 11.
- Engine attachment, Gasolene. G. D. Hartlett. No. 1,230,158; June 19; v. 239; p. 683.
- Engine attachment, Internal-combustion. A. C. Hopkins. No. 1,221,536; Apr. 3; v. 237; p. 188.
- Engine attachment, Internal-combustion. F. S. Orem. No. 1,215,974; Feb. 13; v. 235; p. 561.
- Engine attachment, Traction. C. D. Maberry and S. C. Kitterman. No. 1,233,797; July 17; v. 240; p. 811.
- Engine body or frame, Gas. A. B. Shultz. No. 1,226,820; May 22; v. 238; p. 1058.
- Engine-casing. F. E. Watts. No. 1,242,285; Oct. 9; v. 243; p. 300.
- Engine-casing. F. E. Watts and D. T. Hastings. No. 1,225,038; May 8; v. 238; p. 391.
- Engine control. H. L. Gerken. No. 1,233,865; July 17; v. 240; p. 834.
- Engine control, Internal-combustion. G. W. Snyder. No. 1,217,355; Feb. 27; v. 235; p. 1137.
- Engine-control mechanism, Combustion. A. Büchi. No. 1,232,207; July 3; v. 240; p. 225.
- Engine-controlling apparatus, Internal-combustion. J. Berry. No. 1,235,544; Aug. 7; v. 241; p. 4.
- Engine-controlling device, Internal-combustion. F. Purdy. No. 1,246,319; Nov. 13; v. 244; p. 382.
- Engine-controlling means, Internal-combustion. A. R. Chambers. No. 1,213,152; Jan. 23; v. 234; p. 1058.
- Engine-controlling mechanism, Explosive. C. E. Anderson. No. 1,223,844; Apr. 24; v. 237; p. 1098.

Alphabetical list of inventions—Continued.

- Engine-controlling mechanism, Gas-. O. Elton. No. 1,230,571; June 19; v. 239; p. 822.
- Engine-cooling device, Internal-combustion-. E. W. Goodnow. No. 1,247,819; Nov. 27; v. 244; p. 890.
- Engine-cooling system, Internal-combustion-. W. M. Fulton. No. 1,217,587; Feb. 27; v. 235; p. 1221.
- Engine crank-case. S. H. Page. No. 1,226,109; May 15; v. 238; p. 781.
- Engine crank-shaft, Marine-. P. Hentschke. No. 1,245,587; Nov. 6; v. 244; p. 135.
- Engine-cranking device, Safety. W. A. Dillon. No. 1,215,257; Feb. 6; v. 235; p. 270.
- Engine-cranking device, Safety. A. E. Slattery. No. 1,226,395; May 15; v. 238; p. 879.
- Engine-cylinder. A. Ble. No. 1,226,630; May 22; v. 238; p. 993.
- Engine-cylinder. A. Ble. No. 1,227,240; May 22; v. 238; p. 1201.
- Engine-cylinder. W. F. A. Buchner. No. 1,228,880; June 5; v. 239; p. 173.
- Engine cylinder and jacket. S. H. Page. No. 1,228,815; June 5; v. 239; p. 150.
- Engine-cylinder cleaner, Gas-. A. Coffelt. No. 1,228,747; June 5; v. 239; p. 127.
- Engine cylinder, Internal-combustion-. H. Junkers. No. 1,231,904; July 3; v. 240; p. 124.
- Engine cylinders, Apparatus for eliminating condensation in steam-. W. A. Moffat. No. 1,221,356; Apr. 3; v. 237; p. 125.
- Engine-cylinders, Device for supplying liquid to. D. M. Hepburn. No. 1,251,371; Dec. 25; v. 245; p. 981.
- Engine-cylinders, Machine for re boring. W. F. Anderson. No. 1,238,478; Aug. 28; v. 241; p. 1052.
- Engine cylinders, Means for removing carbon from explosive-. G. P. Horn. No. 1,240,977; Sept. 25; v. 242; p. 870.
- Engine-cylinders, Portable machine for re boring. R. E. Roseberry. No. 1,210,843; Jan. 2; v. 234; p. 159.
- Engine cylinders, Temperature-regulator for combustion-. F. E. Lammert. No. 1,223,078; Apr. 17; v. 237; p. 798.
- Engine, Device for cooling the piston of an internal-combustion. W. Schmidt. No. 1,223,622; Apr. 24; v. 237; p. 1019.
- Engine, Device for withdrawing and separating the liquid contents of the crank-case of an internal-combustion. W. Jay. No. 1,235,898; Aug. 7; v. 241; p. 121.
- Engine drive mechanism, Traction-. D. P. Davies. No. 1,217,284; Feb. 27; v. 235; p. 1112.
- Engine-driving machine, Portable. D. W. Mannhardt. No. 1,238,038; Aug. 21; v. 241; p. 875.
- Engine, Fluid-actuated means for controlling an. W. H. Curtis. No. 1,217,117; Feb. 20; v. 235; p. 1011.
- Engine fuel-feeding device, Internal-combustion-. A. Weiland. No. 1,237,591; Aug. 21; v. 241; p. 733.
- Engine-governing and valve-operating mechanism. G. H. Kaemmerling. No. 1,246,605; Nov. 13; v. 244; p. 469.
- Engine-governing mechanism. H. Lemp. No. 1,240,739; Sept. 18; v. 242; p. 702.
- Engine-guide. L. L. Vikturek. No. 1,234,427; July 24; v. 240; p. 1052.
- Engine-heating device, Automobile-. W. Welshausen. No. 1,250,059; Dec. 11; v. 245; p. 502.
- Engine igniter, Internal-combustion-. J. M. Dayton. No. 1,249,909; Dec. 11; v. 245; p. 461.
- Engine igniter, Internal-combustion-. W. C. Vogenberger. No. 1,248,210; Nov. 27; v. 244; p. 998.
- Engine igniter, Internal-combustion-. E. G. Wayman. No. 1,248,219; Nov. 27; v. 244; p. 1001.
- Engine igniter mechanism, Internal-combustion-. H. R. Van Deventer. No. 1,241,309; Sept. 25; v. 242; p. 916.
- Engine igniter mechanism, Internal-combustion-. H. R. Van Deventer. No. 1,244,260; Oct. 23; v. 243; p. 979.
- Engine ignition apparatus, Gas-. E. D. Chaplin. No. 1,249,327; Dec. 11; v. 245; p. 291.
- Engine ignition apparatus, Hydrocarbon-. M. Tibbetts. No. 1,227,697; May 29; v. 238; p. 1380.
- Engine ignition system, Internal-combustion-. J. T. Hillhouse. No. 1,229,266; June 12; v. 239; p. 349.
- Engine ignition system, Internal-combustion-. G. H. Silva. No. 1,230,077; June 12; v. 239; p. 618.
- Engine-intake heater. H. C. Hiatt. No. 1,214,784; Feb. 6; v. 235; p. 105.
- Engine jacket and cylinder construction. S. Christoffer-son. No. 1,248,808; Dec. 4; v. 245; p. 113.
- Engine-lubricating system, Internal-combustion-. E. M. White. No. 1,224,694; May 1; v. 238; p. 206.
- Engine-lubricator. J. D. Jones. No. 1,231,615; July 3; v. 240; p. 26.
- Engine-manifolds, Air-regulator for. E. Waldmeyer. No. 1,219,202; Mar. 13; v. 236; p. 494.
- Engine or machine packing. G. W. Beldam. No. 1,248,997; Dec. 4; v. 245; p. 165.
- Engine or pump construction. C. A. Anderson. No. 1,244,160; Oct. 23; v. 243; p. 948.
- Engine-primer. R. O. Wones. No. 1,249,581; Dec. 11; v. 245; p. 363.
- Engine primer, Explosive-. M. B. Schmeltz. No. 1,213,693; Jan. 23; v. 234; p. 1246.
- Engine primer, Gas-. J. J. Aull. No. 1,240,404; Sept. 18; v. 242; p. 599.
- Engine primer, Gas-. W. T. Bintliff. No. 1,237,862; Aug. 21; v. 241; p. 819.
- Engine primer, Gas-. A. I. Sandbo. No. 1,242,871; Oct. 9; v. 243; p. 487.
- Engine primer, Internal-combustion-. D. E. Steininger. No. 1,221,620; Apr. 3; v. 237; p. 216.
- Engine-priming apparatus. J. H. Steichen. No. 1,249,234; Dec. 4; v. 245; p. 234.
- Engine-priming attachment, Internal-combustion-. L. Werts. No. 1,221,782; Apr. 3; v. 237; p. 270.
- Engine-priming device, Internal-combustion-. W. Grik-scheit. No. 1,248,649; Dec. 4; v. 245; p. 65.
- Engine-priming means, Internal-combustion-. J. R. Rick-etts. No. 1,221,378; Apr. 3; v. 237; p. 132.
- Engine-regulator. D. C. Jenkins. No. 1,220,133; Mar. 20; v. 236; p. 851.
- Engine-repair stand. A. F. Amelung. No. 1,236,246; Aug. 7; v. 241; p. 231.
- Engine reversing device, Oil-. C. W. Weiss. No. 1,228,857; June 5; v. 239; p. 165.
- Engine reversing-gear, Steam-. P. H. Fontaine. No. 1,221,716; Apr. 3; v. 237; p. 248.
- Engine reversing-gear, Steam-. J. R. Snyder. No. 1,212,830; Jan. 16; v. 234; p. 914.
- Engine reversing-gear, Steam-. J. R. Snyder. No. 1,214,965; Feb. 6; v. 235; p. 169.
- Engine reversing means, Internal-combustion-. A. Bon-nart. No. 1,224,839; May 1; v. 238; p. 256.
- Engine reversing mechanism, Internal-combustion-. E. J. Dugan and J. P. Pante. No. 1,237,314; Aug. 21; v. 241; p. 644.
- Engine reversing mechanism, Internal-combustion-. G. Wilson. No. 1,214,860; Feb. 6; v. 235; p. 130.
- Engine reversing mechanism, Internal-combustion-. G. Wilson. No. 1,214,861; Feb. 6; v. 235; p. 131.
- Engine-revolution indicator. J. Kirby. No. 1,241,994; Oct. 2; v. 243; p. 167.
- Engine self-starter, Automobile-. L. and C. M. Howe. No. 1,225,816; May 15; v. 238; p. 681.
- Engine self-starters, Mechanical interlock for. A. L. McMurtry. No. 1,214,048; Jan. 30; v. 234; p. 1399.
- Engine-shaft, Counterbalance. W. G. Dunn. No. 1,248,832; Dec. 4; v. 245; p. 120.
- Engine-speed regulator. J. Bairs. No. 1,244,409; Oct. 23; v. 243; p. 1024.
- Engine-starter. V. G. Apple. No. 1,231,982; July 3; v. 240; p. 149.
- Engine-starter. V. Bendix. No. 1,212,175; Jan. 16; v. 234; p. 680.
- Engine-starter. V. Bendix. No. 1,250,269; Dec. 18; v. 245; p. 604.
- Engine-starter. J. Desmond. No. 1,220,206. Mar. 27; v. 236; p. 911.
- Engine-starter. J. J. Kane. No. 1,248,870; Dec. 4; v. 245; p. 132.
- Engine-starter. J. G. King. No. 1,219,560; Mar. 20; v. 236; p. 649.
- Engine-starter. J. H. Richards. No. 1,227,003; May 22; v. 238; p. 1121.
- Engine-starter. J. H. Richards. No. 1,248,549; Dec. 4; v. 245; p. 36.
- Engine-starter. S. W. Rushmore. No. 1,235,163; July 31; p. 240; p. 1313.
- Engine-starter. A. I. Sandbo. No. 1,229,148; June 5; v. 239; p. 259.
- Engine-starter. J. E. Sandeson. No. 1,246,941; Nov. 20; v. 244; p. 603.
- Engine-starter. H. J. Schulte. No. 1,220,692; Mar. 27; v. 236; p. 1082.
- Engine-starter. W. E. Snipes. No. 1,225,879; May 15; v. 238; p. 701.
- Engine-starter. G. M. Willis. No. 1,246,690; Nov. 13; v. 244; p. 493.
- Engine-starter, Automatic. A. S. Faulkner. No. 1,221,301; Apr. 3; v. 237; p. 105.
- Engine starter, Automobile-. F. H. Hartung. No. 1,220,511; Mar. 27; v. 236; p. 1020.
- Engine starter, Automobile-. J. Kramer. No. 1,249,971; Dec. 11; v. 245; p. 477.
- Engine starter, Automobile-. J. K. Stewart. No. 1,242,999; Oct. 16; v. 243; p. 562.
- Engine-starter for automobiles and the like. L. N. Ries and R. B. Allen. No. 1,220,362; Mar. 27; v. 236; p. 967.
- Engine starter, Gas-. J. L. Brulatour and B. L. Darrow. No. 1,250,134; Dec. 18; v. 245; p. 563.
- Engine starter, Internal-combustion-. W. H. Card and J. J. Cushman. No. 1,230,064; June 12; v. 239; p. 613.
- Engine starter, Internal-combustion-. J. E. Desmond. No. 1,250,569; Dec. 18; v. 245; p. 694.
- Engine starter, Internal-combustion-. E. A. Gardner. No. 1,241,206; Sept. 25; v. 242; p. 881.
- Engine starter, Internal-combustion-. L. H. Oberreich. No. 1,219,031; Mar. 13; v. 236; p. 437.
- Engine starter, Internal-combustion-. F. W. Schwin. No. 1,215,877; Feb. 13; v. 235; p. 526.
- Engine starter, Internal-combustion-. J. K. Stewart. No. 1,242,997; Oct. 16; v. 243; p. 561.
- Engine starter, Internal-combustion-. J. K. Stewart. No. 1,242,998; Oct. 16; v. 243; p. 561.
- Engine starter, Internal-combustion-. H. T. Thomas. No. 1,224,042; Apr. 24; v. 237; p. 1164.
- Engine-starter mechanism, Internal-combustion-. F. E. Ten Eyck. No. 1,246,351; Nov. 13; v. 244; p. 391.
- Engine-starter system and apparatus, Combustion-. R. Varley. No. 1,220,802; Mar. 27; v. 236; p. 1119.

- Engine-starting and battery-charging system, Electric gas-. H. H. M. Kammerhoff. No. 1,225,643; May 8; v. 238; p. 579.
- Engine-starting and current-generating apparatus. A. P. Brush. No. 1,211,072; Jan. 2; v. 234; p. 240.
- Engine starting and stopping mechanism. A. D. Eberly. No. 1,215,639; Feb. 13; v. 235; p. 443.
- Engine-starting apparatus. V. G. Apple. No. 1,231,983; July 3; v. 240; p. 149.
- Engine-starting apparatus. J. Bijur. No. 1,233,961; July 17; v. 240; p. 866.
- Engine-starting apparatus, Explosion-. N. Herzmark. No. 1,217,762; Feb. 27; v. 235; p. 1281.
- Engine-starting apparatus, Internal-combustion-. J. R. Price. No. 1,243,875; Oct. 23; v. 243; p. 864.
- Engine-starting arrangement. J. W. Jepson. No. 1,240,726; Sept. 18; v. 242; p. 698.
- Engine-starting crank. W. H. Frick and A. J. Martin. No. 1,211,307; Jan. 2; v. 234; p. 320.
- Engine-starting device. W. I. Harp. No. 1,250,449; Dec. 18; v. 245; p. 658.
- Engine-starting device. J. J. Kane. No. 1,245,464; Nov. 6; v. 244; p. 96.
- Engine-starting device. C. F. Kettering. No. 1,231,266; June 26; v. 239; p. 1092.
- Engine-starting device. C. F. Kettering. No. 1,240,348; Sept. 18; v. 242; p. 582.
- Engine-starting device. C. F. Kettering and W. A. Chryst. No. 1,241,990; Oct. 2; v. 243; p. 166.
- Engine-starting device. L. H. Smith. No. 1,242,485; Oct. 9; v. 243; p. 363.
- Engine-starting device. E. J. Tomlinson. No. 1,238,958; Sept. 4; v. 242; p. 76.
- Engine-starting device. E. J. Tomlinson. No. 1,244,003; Oct. 23; v. 243; p. 902.
- Engine-starting device. E. J. Tomlinson. No. 1,244,004; Oct. 23; v. 243; p. 903.
- Engine-starting device. W. I. Twombly. No. 1,220,572; Mar. 27; v. 236; p. 1041.
- Engine-starting device, Explosion-. R. E. Frison. No. 1,240,332; Sept. 18; v. 242; p. 577.
- Engine-starting device, Internal-combustion-. W. W. Dean. No. 1,219,630; Mar. 20; v. 236; p. 673.
- Engine-starting device, Internal-combustion-. A. O. Higginbotham. No. 1,231,738; July 3; v. 240; p. 69.
- Engine-starting device, Internal-combustion-. P. Poylotzky. No. 1,234,563; July 24; v. 240; p. 1096.
- Engine-starting device, Internal-combustion-. A. I. Sandbo. No. 1,229,147; June 5; v. 239; p. 259.
- Engine-starting device, Internal-combustion-. A. L. Strahle and H. B. Noyes. No. 1,227,688; May 29; v. 238; p. 1378.
- Engine-starting mechanism. J. P. Nikonow. No. 1,229,776; June 12; v. 239; p. 521.
- Engine-starting mechanism. D. M. Pickett. No. 1,237,552; Aug. 21; v. 241; p. 721.
- Engine-starting mechanism. A. F. Williams. No. 1,236,803; Aug. 14; v. 241; p. 445.
- Engine-starting mechanism, Gas-. J. P. Nikonow. No. 1,235,046; July 31; v. 240; p. 1280.
- Engine-starting mechanism, Hydrocarbon-. A. D. T. Libby. No. 1,219,569; Mar. 20; v. 236; p. 653.
- Engine-starting mechanism, Internal-combustion-. L. Coatalen. No. 1,240,422; Sept. 18; v. 242; p. 605.
- Engine-starting mechanism, Internal-combustion-. L. Schmidt. No. 1,251,293; Dec. 25; v. 245; p. 957.
- Engine-starting mechanism, Internal-combustion-. G. J. Spohrer. No. 1,212,578; Jan. 16; v. 234; p. 825.
- Engine-starting mechanism, Internal-combustion-. G. J. Spohrer. No. 1,243,455; Oct. 16; v. 243; p. 699.
- Engine-starting mechanism, Internal-combustion-. F. W. Teves. No. 1,216,376; Feb. 20; v. 235; p. 757.
- Engine-starting mechanism, Motor-. P. J. Durham. No. 1,244,482; Oct. 30; v. 243; p. 1084.
- Engine-starting mechanism, Multicylinder-internal-combustion-. O. Lasche. No. 1,212,779; Jan. 16; v. 234; p. 897.
- Engine-starting motor. L. Hashenberg. No. 1,241,625; Oct. 2; v. 243; p. 51.
- Engine-starting motor. S. W. Rushmore. No. 1,235,162; July 31; v. 240; p. 1313.
- Engine-starting motor, Gas-. F. Conrad. No. 1,246,718; Nov. 13; v. 244; p. 500.
- Engine-starting system. W. A. Chryst. No. 1,226,751; May 22; v. 238; p. 1033.
- Engine-starting system. J. H. Hunt. No. 1,231,362; June 26; v. 239; p. 1124.
- Engine-starting system. J. H. Hunt. No. 1,231,363; June 26; v. 239; p. 1124.
- Engine-starting system. C. F. Kettering and W. A. Chryst. No. 1,243,422; Oct. 16; v. 243; p. 690.
- Engine-starting system. C. F. Kettering and W. A. Chryst. No. 1,250,188; Dec. 18; v. 245; p. 580.
- Engine-starting system. L. Langner. No. 1,234,676; July 24; v. 240; p. 1130.
- Engine steering mechanism, Tractor-. R. O. Hendrickson. No. 1,235,637; Aug. 7; v. 241; p. 50.
- Engine-support. H. Burton. No. 1,211,077; Jan. 2; v. 234; p. 241.
- Engine-supporting device. W. G. Krouse. No. 1,225,651; May 8; v. 238; p. 582.
- Engine system, Producer-gas-. C. S. Bradley. No. 1,212,894; Jan. 16; v. 234; p. 935.
- Engine tester, Gas-. C. Seymour. No. 1,239,974; Sept. 11; v. 242; p. 428.
- Engine testing and priming device. O. Voigt. No. 1,248,957; Dec. 4; v. 245; p. 154.
- Engine-testing device. W. E. Somerville. No. 1,248,738; Dec. 4; v. 245; p. 92.
- Engine, Vapor-mixer for an internal-combustion. R. M. Pelham and C. A. Kuenzel, Jr. No. 1,218,309; Mar. 6; v. 236; p. 148.
- Engine ventilator, Automobile-. W. H. Gundrum. No. 1,251,223; Dec. 25; v. 245; p. 936.
- Engines, Air and fuel spraying device for. W. H. Oldham. No. 1,220,674; Mar. 27; v. 236; p. 1075.
- Engines, Air-compressor for internal-combustion. G. Fornaca. No. 1,233,460; July 17; v. 240; p. 703.
- Engines, Air-compressor for internal-combustion. H. Lemp. No. 1,236,187; Aug. 7; v. 241; p. 212.
- Engines, Air-distributor for internal-combustion. C. W. Weiss. No. 1,220,805; Mar. 27; v. 236; p. 1120.
- Engines, Air-feeding device for internal-combustion. J. L. Kelly. No. 1,249,968; Dec. 11; v. 245; p. 477.
- Engines, Air-starting system for internal-combustion. W. E. Ver Planck. No. 1,239,648; Sept. 11; v. 242; p. 324.
- Engines, Air-supply system for combustion-. R. Schlaepfer. No. 1,230,330; June 19; v. 239; p. 741.
- Engines, Aluminium or other light metal casting for internal-combustion. T. C. W. Pullinger. No. 1,226,595; May 15; v. 238; p. 941.
- Engines and apparatus therefor, Method of generating ignition-currents for internal-combustion. G. L. Lang. No. 1,233,587; July 17; v. 240; p. 746.
- Engines and other similar machines, Cylinder of internal-combustion-. H. Junkers. No. 1,231,903; July 3; v. 240; p. 124.
- Engines and the like, Governor mechanism for compressor-. M. E. Teague. No. 1,211,007; Jan. 2; v. 234; p. 218.
- Engines and the like, Method of and means for operating internal-combustion. E. A. Rundlöf. No. 1,220,893; Mar. 27; v. 236; p. 1150.
- Engines and their associated mechanisms, Assemblage of internal-combustion. J. G. Heaslet. No. 1,237,331; Aug. 21; v. 241; p. 650.
- Engines, Apparatus for controlling the flow of fuel to internal-combustion. T. C. Leake. No. 1,229,481; June 12; v. 239; p. 422.
- Engines, Apparatus for driving rotary. G. Silvestri. No. 1,227,967; May 29; v. 238; p. 1474.
- Engines, Apparatus for ignition in explosive-. J. H. Stringham. No. 1,243,002; Oct. 16; v. 243; p. 563.
- Engines, Arrangement for improving the working of eight-cylinder two-cycle internal-combustion. G. E. Canbac. No. 1,217,151; Feb. 27; v. 235; p. 1068.
- Engines, Atomizer for internal-combustion. H. M. Reichbach. No. 1,250,657; Dec. 18; v. 245; p. 719.
- Engines, Atomizing water-supply means for internal-combustion. B. B. Block. No. 1,211,665; Jan. 9; v. 234; p. 474.
- Engines, Attachment for internal-combustion. R. L. Jenkins. No. 1,229,965; June 12; v. 239; p. 582.
- Engines, Attachment for internal-combustion. H. Potts. No. 1,236,866; Aug. 14; v. 241; p. 464.
- Engines, Automatic air-controlling device for gas-. W. H. Guthrie. No. 1,230,481; June 19; v. 239; p. 790.
- Engines, Automatic air device for gas-. C. A. Rivers. No. 1,221,597; Apr. 3; v. 237; p. 208.
- Engines, Automatic atomizer for internal-combustion. E. Waldmeier. No. 1,227,225; May 22; v. 238; p. 1195.
- Engines, Automatic decarbonizer for internal-combustion. H. E. Smith and W. H. Laisure. No. 1,225,068; May 8; v. 238; p. 384.
- Engines, Automatic device for starting explosion or other. E. Cantono. No. 1,217,563; Feb. 27; v. 235; p. 1212.
- Engines, Automatic safety starter-lock for automobile. J. V. and T. E. Boyett. No. 1,235,423; July 31; v. 240; p. 1392.
- Engines, Automatic safety-stop for. C. B. Little. No. 1,221,757; Apr. 3; v. 237; p. 262.
- Engines, Automatic spark-timer for internal-combustion. J. J. Herzog and W. M. Medlock. No. 1,221,176; Apr. 3; v. 237; p. 61.
- Engines, Auxiliary air-inlet device for internal-combustion. E. C. Sevigny. No. 1,241,155; Sept. 25; v. 242; p. 865.
- Engines, Auxiliary air-supply for internal-combustion. W. B. A. Spray. No. 1,211,636; Jan. 9; v. 234; p. 464.
- Engines, Auxiliary starting device for internal-combustion. W. J. Hart. No. 1,226,972; May 22; v. 238; p. 1110.
- Engines, Cam-shaft casing for internal-combustion. L. Coatalen. No. 1,235,110; July 31; v. 240; p. 1298.
- Engines, Carbon-removing means for internal-combustion. R. C. Berry. No. 1,221,959; Apr. 10; v. 237; p. 367.
- Engines, Carburation device for internal-combustion. L. Renault. No. 1,210,533; Jan. 2; v. 234; p. 54.
- Engines, Carburetor apparatus for internal-combustion. W. Grikschelt. No. 1,240,440; Sept. 18; v. 242; p. 610.
- Engines, Carbureting system for internal-combustion. J. W. Hooser. No. 1,217,448; Feb. 27; v. 235; p. 1170.
- Engines, Carburation of air for use in explosive-. J. M. Evans. No. 1,232,261; July 3; v. 240; p. 243.
- Engines, Charge-forming apparatus for internal-combustion. J. T. Shumaker. No. 1,248,563; Dec. 4; v. 245; p. 40.

Alphabetical list of inventions—Continued.

- Engines, Charge-forming device for internal-combustion. J. W. Miller. No. 1,237,539; Aug. 21; v. 241; p. 717.
- Engines, Circulation system for internal-combustion. C. Y. Knight. No. 1,234,042; July 17; v. 240; p. 890.
- Engines, Combination rod-bushing for locomotive. E. M. Carroll. No. 1,214,509; Feb. 6; v. 235; p. 8.
- Engines, Combined vaporizer and homogenizer for explosive. V. C. Sparks. No. 1,211,775; Jan. 9; v. 234; p. 512.
- Engines, Combustion-facilitating device for internal-combustion. W. T. Snowden. No. 1,238,450; Aug. 28; v. 241; p. 1043.
- Engines, Composition of matter for removing incrustations from internal-combustion. E. Mendelsohn. No. 1,244,114; Oct. 23; v. 243; p. 935.
- Engines, Compressed-air starter for internal-combustion. N. A. Christensen. No. 1,230,562; June 19; v. 239; p. 813.
- Engines, Compression-starter for combustion. W. S. Eklund and W. E. Payne. No. 1,222,544; Apr. 10; v. 237; p. 573.
- Engines, Construction of crank-chambers for aviation. L. Coatalen. No. 1,248,264; Nov. 27; v. 244; p. 1014.
- Engines, Construction of cylinders of internal-combustion. E. W. Roberts. No. 1,210,537; Jan. 2; v. 234; p. 55.
- Engines, Controlling the supply of liquid fuel to internal-combustion. J. McKechnie. No. 1,225,345; May 8; v. 238; p. 480.
- Engines, Cooling-mixture-conserving means for gas. J. T. McCorkle. No. 1,250,912; Dec. 18; v. 245; p. 795.
- Engines, Cut-off regulator and indicator for steam. E. Lewis. No. 1,246,621; Nov. 13; v. 244; p. 474.
- Engines, Cut-out for gas. A. H. Jahn. No. 1,226,974; May 22; v. 238; p. 1111.
- Engines, Cylinder, particularly for explosion. M. Birkgit. No. 1,233,964; July 17; v. 240; p. 866.
- Engines, Deflooder for internal-combustion. H. L. Thompson. No. 1,233,526; July 17; v. 240; p. 724.
- Engines, Device for driving internal-combustion. K. Steinbecker. No. 1,235,611; Aug. 7; v. 241; p. 27.
- Engines, Distillate-burner for internal-combustion. E. C. Wescott and H. M. Locke. No. 1,244,151; Oct. 23; v. 243; p. 946.
- Engines, Electric gasifier for internal-combustion. W. D. Nickum. No. 1,247,992; Nov. 27; v. 244; p. 938.
- Engines, Electric revolution-meter for internal-combustion. J. Kirby. No. 1,241,993; Oct. 2; v. 243; p. 167.
- Engines, Electric starting device for internal-combustion. B. J. Noyes. No. 1,237,215; Aug. 14; v. 241; p. 573.
- Engines, Electric starting system for internal-combustion. O. Heins and C. M. Wild. No. 1,232,799; July 10; v. 240; p. 452.
- Engines, Electrical make-and-break tripping mechanism for two or four cycle gas. M. H. Borland. No. 1,216,651; Feb. 20; v. 235; p. 853.
- Engines, Exhaust attachment for gas. E. Jones and R. P. Upton. No. 1,229,471; June 12; v. 239; p. 419.
- Engines, Exhaust auxiliary for explosion. C. R. Frazer. No. 1,244,442; Oct. 23; v. 243; p. 1033.
- Engines, Exhaust device for internal-combustion. J. McDowell. No. 1,217,615; Feb. 27; v. 235; p. 1231.
- Engines, Feed-controlling means for internal-combustion. J. O. Yeiser, Jr. No. 1,229,373; June 12; v. 239; p. 386.
- Engines, Footboard for switch. R. E. Evans. No. 1,228,308; May 29; v. 238; p. 1584.
- Engines, Fuel-economizer for explosive. J. Goodwin. No. 1,244,321; Oct. 23; v. 243; p. 998.
- Engines, Fuel-feeding apparatus for internal-combustion. B. C. Smith. No. 1,237,965; Aug. 21; v. 241; p. 851.
- Engines, Fuel-feeding means for internal-combustion. F. W. Seager. No. 1,235,250; July 31; v. 240; p. 1340.
- Engines, Fuel-feeding means for internal-combustion. W. Stevenson. No. 1,235,254; July 31; v. 240; p. 1341.
- Engines, Fuel-governor for internal-combustion. C. W. Weiss. No. 1,222,055; Apr. 10; v. 237; p. 399.
- Engines, Fuel-heater for explosive. M. and N. B. Beck. No. 1,214,501; Feb. 6; v. 235; p. 5.
- Engines, Fuel-heating device for internal-combustion. C. L. Rodgers. No. 1,240,372; Sept. 18; v. 242; p. 589.
- Engines, Fuel-mixer for explosive. M. T. Burke. No. 1,212,013; Jan. 9; v. 234; p. 597.
- Engines, Fuel-saving device for explosion. W. L. Bell. No. 1,244,689; Oct. 30; v. 243; p. 1146.
- Engines, Fuel-supply device for internal-combustion. H. M. Reichenbach. No. 1,223,109; Apr. 17; v. 237; p. 808.
- Engines, Fuel-supply system for internal-combustion. G. C. Davison. No. 1,236,060; Aug. 7; v. 241; p. 173.
- Engines, Fuel-supplying device for internal-combustion. W. K. Bassford. No. 1,226,940; May 22; v. 238; p. 1097.
- Engines, Fuel-vaporizer for internal-combustion. C. Binks. No. 1,239,079; Sept. 4; v. 242; p. 115.
- Engines, Fuel-vaporizer for internal-combustion. B. R. James. No. 1,215,027; Feb. 6; v. 235; p. 193.
- Engines, Gas-generating means for explosive. G. N. Barcus and J. Hockett. No. 1,234,116; July 24; v. 240; p. 949.
- Engines, Gudgeon-pin for internal-combustion. A. Balten-sweiller and K. Egloff. No. 1,223,355; Apr. 24; v. 237; p. 924.
- Engines, Guide-ring for elastic-fluid. C. R. Greuter. No. 1,212,764; Jan. 16; v. 234; p. 893.
- Engines, Hand starting devices for internal-combustion. H. B. Chalmers. No. 1,216,416; Feb. 20; v. 235; p. 772.
- Engines, Handling-gear for internal-combustion. G. C. Davison and J. W. Anderson. No. 1,247,647; Nov. 27; v. 244; p. 837.
- Engines, Heater for the intake-manifolds of internal-combustion. B. N. Parrish. No. 1,240,871; Sept. 25; v. 242; p. 777.
- Engines, Humidifier for gasoline. B. A. Toedter. No. 1,231,312; June 26; v. 239; p. 1107.
- Engines, Hydropneumatic vaporizing apparatus for gas. J. G. Mecham. No. 1,239,929; Sept. 11; v. 242; p. 415.
- Engines, Igniter-tube for internal-combustion. W. R. Kahlenberg. No. 1,232,562; July 10; v. 240; p. 374.
- Engines, Igniting mechanism for internal-combustion. H. R. Van Deventer. No. 1,236,790; Aug. 14; v. 241; p. 440.
- Engines, Ignition apparatus of gas. C. S. Sydenham. No. 1,229,823; June 12; v. 239; p. 538.
- Engines, Ignition device for internal-combustion. E. Gassmann. No. 1,251,217; Dec. 25; v. 245; p. 935.
- Engines, Ignition device for internal-combustion. G. A. Krohn. No. 1,226,083; May 15; v. 238; p. 772.
- Engines, Ignition means for explosive. G. R. Wright. No. 1,251,162; Dec. 25; v. 245; p. 919.
- Engines, Ignition mechanism for internal-combustion. H. F. Geist. No. 1,231,149; June 26; v. 239; p. 1054.
- Engines, Ignition system for internal-combustion. W. C. Brinton, Jr. No. 1,227,109; May 22; v. 238; p. 1156.
- Engines, Ignition system for internal-combustion. W. C. Brinton, Jr. No. 1,227,110; May 22; v. 238; p. 1157.
- Engines, Ignition system for internal-combustion. W. L. Learned. No. 1,241,999; Oct. 2; v. 243; p. 169.
- Engines, Indicating apparatus for. W. S. Rush. No. 1,221,603; Apr. 3; v. 237; p. 210.
- Engines, Kerosene attachment for gasoline. A. W. Brackin. No. 1,224,441; May 1; v. 238; p. 118.
- Engines, Kerosene-gasifier for internal-combustion. T. C. Menges. No. 1,237,536; Aug. 21; v. 241; p. 716.
- Engines, Knife-bar for beating. E. A. Peterson. No. 1,216,487; Feb. 20; v. 235; p. 796.
- Engines, Liquid-fuel atomizer for internal-combustion. H. B. Higgins, Jr. No. 1,244,733; Oct. 30; v. 243; p. 1161.
- Engines, Liquid-fuel-feeding device for internal-combustion. W. Jay. No. 1,218,085; Mar. 6; v. 236; p. 68.
- Engines, Lubricant-retaining device for the valve mechanism of internal-combustion. F. H. Royce. No. 1,225,361; May 8; v. 238; p. 486.
- Engines, Lubricating system for internal-combustion. A. P. Brush. No. 1,230,460; June 19; v. 239; p. 783.
- Engines, Lubricating system for internal-combustion. A. P. Brush. No. 1,230,461; June 19; v. 239; p. 784.
- Engines, Lubrication control for internal-combustion. E. M. White. No. 1,238,233; Aug. 28; v. 241; p. 972.
- Engines, Lubrication of cam-shafts for internal-combustion. L. Coatalen. No. 1,235,187; July 31; v. 240; p. 1321.
- Engines, Lubricator-filler for steam. M. B. Shutt. No. 1,217,846; Feb. 27; v. 235; p. 1309.
- Engines, Magneto ignition system for internal-combustion. J. L. Milton. No. 1,217,484; Feb. 27; v. 235; p. 1183.
- Engines, Means for controlling explosive. L. C. Jackson. No. 1,244,737; Oct. 30; v. 243; p. 1162.
- Engines, Means for controlling the supply of liquid fuel in internal-combustion. E. W. Pettey. No. 1,249,478; Dec. 11; v. 245; p. 334.
- Engines, Means for facilitating starting of gas. C. H. Belknap. No. 1,230,840; June 26; v. 239; p. 949.
- Engines, Means for heating cylinders of explosive. J. H. Groshans. No. 1,211,935; Jan. 9; v. 234; p. 572.
- Engines, Means for regulating fuel mixtures for internal-combustion. F. D. Hibber. No. 1,230,404; June 19; v. 239; p. 763.
- Engines, Means for starting internal-combustion. P. Stern. No. 1,242,258; Oct. 9; v. 243; p. 291.
- Engines, Means for supplying fuel mixture to gas. H. J. Gaisman. No. 1,230,147; June 19; v. 239; p. 679.
- Engines, Mechanical starter for automobile. H. W. Ligon. No. 1,217,466; Feb. 27; v. 235; p. 1176.
- Engines, Mechanical starter for internal-combustion. A. Liberty. No. 1,248,352; Nov. 27; v. 244; p. 1039.
- Engines, Method and means for removing carbon in internal-combustion. R. C. Berry. No. 1,230,654; June 19; v. 239; p. 848.
- Engines, Method of and apparatus for controlling mechanism for internal-combustion. H. G. Chatain. No. 1,223,935; Apr. 24; v. 237; p. 1128.
- Engines, Mixer or carbureter for internal-combustion. D. P. Davies. No. 1,224,612; May 1; v. 238; p. 177.
- Engines, Mixture-modifying auxiliary for internal-combustion. E. J. Wiggins. No. 1,233,942; July 17; v. 240; p. 859.
- Engines, Moistener for internal-combustion. L. A. Yocum and W. A. Lewis. No. 1,220,307; Mar. 27; v. 236; p. 948.
- Engines, Moisture-supplying device for gas. L. D. Jackson. No. 1,223,980; Apr. 24; v. 237; p. 1143.
- Engines, Muffler for internal-combustion. G. S. Clark. No. 1,225,927; May 15; v. 238; p. 718.

- Engines, Muffler for internal-combustion. W. W. McElrath, Jr. No. 1,245,364; Nov. 6; v. 244; p. 66.
- Engines, Non-carbonizing system for internal-combustion. G. H. King. No. 1,247,966; Nov. 27; v. 244; p. 931.
- Engines of automobiles and other vehicles, Lock for the. G. R. O'Brien. No. 1,247,605; Nov. 20; v. 244; p. 792.
- Engines of motor-vehicles, Hood for. W. I. Twombly. No. 1,226,610; May 15; v. 238; p. 946.
- Engines of submarines, Silencer for combustion-. M. F. Hay and F. Guhrauer. No. 1,216,565; Feb. 20; v. 235; p. 823.
- Engines, Oil-vaporizer for explosive-. C. W. Dyer. No. 1,226,319; May 15; v. 238; p. 855.
- Engines, Operating internal-combustion. C. D. McClintock. No. 1,234,055; July 17; v. 240; p. 893.
- Engines, Packing rotary. W. H. Friedrich. No. 1,243,830; Oct. 23; v. 243; p. 851.
- Engines, Pertaining to the utilization of the waste heat of gas-. C. Semmler. No. 1,231,208; June 26; v. 239; p. 1074.
- Engines, Plow-shifter for traction-. S. S. Hollingsworth. No. 1,236,713; Aug. 14; v. 241; p. 416.
- Engines, Pneumatic starting device for internal-combustion. C. G. Edison, T. Davis, and D. E. Crouse. No. 1,233,855; July 17; v. 240; p. 831.
- Engines, Power steering attachment for traction-. F. H. Forrest. No. 1,235,888; Aug. 7; v. 241; p. 118.
- Engines, Power-transmitting device for. J. W. Bales. No. 1,246,036; Nov. 13; v. 244; p. 297.
- Engines, Priming device for internal-combustion. W. Brown. No. 1,231,124; June 26; v. 239; p. 1046.
- Engines, Radiator attachment for internal-combustion. G. O. Harwell. No. 1,251,227; Dec. 25; v. 245; p. 938.
- Engines, Recuperating-cycle for. L. J. J. Le Rond. No. 1,226,226; May 15; v. 238; p. 820.
- Engines, Roll for beating-. C. P. Folsom. No. 1,245,577; Nov. 6; v. 244; p. 132.
- Engines, Safety-clutch for starting explosive-. F. F. Grant. No. 1,239,265; Sept. 4; v. 242; p. 175.
- Engines, Safety device for cranking explosive-. R. O. Busbey. No. 1,235,107; July 31; v. 240; p. 1297.
- Engines, Safety means for cranking internal-combustion. W. S. Eklund. No. 1,228,304; May 29; v. 238; p. 1583.
- Engines, Safety-switch for the spark-plugs of automobile-. W. Cooper. No. 1,250,975; Dec. 25; v. 245; p. 864.
- Engines, Scarifying attachment for road-. C. M. Greiner and H. D. Jones. No. 1,226,506; May 15; v. 238; p. 914.
- Engines, Scarifying attachment for road-. H. D. Jones. No. 1,226,528; May 15; v. 238; p. 920.
- Engines, Scarifying device for road-. H. D. Jones. No. 1,230,302; June 19; v. 239; p. 731.
- Engines, Scavenging-pump for internal-combustion. B. Kramer. No. 1,216,235; Feb. 13; v. 235; p. 655.
- Engines, Silencer and condenser for gasoline-. J. E. Daley. No. 1,228,185; May 29; v. 238; p. 1544.
- Engines, Silencer for internal-combustion. A. Lebedeff. No. 1,217,021; Feb. 20; v. 235; p. 978.
- Engines, Spark control in combustion-. J. G. Heaslet. No. 1,239,689; Sept. 11; v. 242; p. 338.
- Engines, Starting-gear connection for explosive-. D. Brace. No. 1,220,492; Mar. 27; v. 236; p. 1014.
- Engines, Starting internal-combustion. O. Heins. No. 1,230,160; June 19; v. 239; p. 684.
- Engines, Starting internal-combustion. O. Heins and C. M. Wild. No. 1,240,973; Sept. 25; v. 242; p. 808.
- Engines, Starting internal-combustion. O. Heins and C. M. Wild. No. 1,241,115; Sept. 25; v. 242; p. 852.
- Engines, Steam-supply for internal-combustion. C. B. Sturges. No. 1,218,606; Mar. 6; v. 236; p. 248.
- Engines, Supplying fuel to internal-combustion. W. E. Fowler. No. 1,238,997; Sept. 4; v. 242; p. 89.
- Engines, Support for grain-binder. H. H. Nelson. No. 1,214,944; Feb. 6; v. 235; p. 162.
- Engines, Tappet for internal-combustion. G. R. Rich. No. 1,228,350; May 29; v. 238; p. 1599.
- Engines, Temperature-control apparatus for internal-combustion. S. I. Fekete. No. 1,228,765; June 5; v. 239; p. 133.
- Engines, Temperature-controller for automobile-. C. D. Miller. No. 1,251,264; Dec. 25; v. 245; p. 948.
- Engines, Temperature-controlling apparatus for internal-combustion. H. E. Kyburg. No. 1,219,646; Mar. 20; v. 236; p. 678.
- Engines, Temperature-indicating device for internal-combustion. W. S. Saunders. No. 1,213,273; Jan. 23; v. 234; p. 1100.
- Engines, Temperature-regulator for internal-combustion. F. E. Lammert. No. 1,223,079; Apr. 17; v. 237; p. 798.
- Engines to be readily started, Apparatus for enabling internal-combustion. J. W. Phillips. No. 1,214,365; Jan. 30; v. 234; p. 1507.
- Engines, Vacuum fuel-feeding system for gas-. W. Shurtleff. No. 1,241,039; Sept. 25; v. 242; p. 829.
- Engines, Vacuum system for internal-combustion. W. R. Bamford and H. W. Hamilton. No. 1,244,686; Oct. 30; v. 243; p. 1145.
- Engines, Vapor creating and mixing device for gas-. O. Hayes. No. 1,244,730; Oct. 30; v. 243; p. 1160.
- Engines, Vapor forming and injecting device for gas-. O. Hayes. No. 1,244,731; Oct. 30; v. 243; p. 1160.
- Engines, Vaporizer and igniter for internal-combustion. A. W. Thompson. No. 1,223,124; Apr. 17; v. 237; p. 814.
- Engines, Vaporizer for gas-. J. H. Batchelor. No. 1,233,744; July 17; v. 240; p. 794.
- Engines, Vaporizer for gas-. E. Kelly and E. Reynolds. No. 1,222,106; Apr. 10; v. 237; p. 417.
- Engines, Vaporizing apparatus for internal-combustion. J. E. Smith. No. 1,245,129; Oct. 30; v. 243; p. 1279.
- Engines, Vaporizing apparatus for internal-combustion. B. Swager. No. 1,250,882; Dec. 18; v. 245; p. 638.
- Engines, Variable governor-gear for internal-combustion. A. King. No. 1,220,857; Mar. 27; v. 236; p. 1139.
- Engines, Water-cooling attachment for gas-. F. E. Wade. No. 1,250,055; Dec. 11; v. 245; p. 501.
- Engines, Water-supply system for explosive-. H. Gahan. No. 1,210,631; Jan. 2; v. 234; p. 88.
- Engines, Water-vaporizer for internal-combustion. W. H. Fox. No. 1,239,380; Sept. 4; v. 242; p. 211.
- Engines, Work-support for Ford. C. H. Impson. No. 1,219,460; Mar. 20; v. 236; p. 613.
- Engines, Worm drive mechanism for windmill-. T. and P. D. Eller. No. 1,249,931; Dec. 11; v. 245; p. 467.
- Engineer's cab-signal. F. M. Greene. No. 1,229,178; June 5; v. 239; p. 270.
- Engraving-block. P. D. Shirley. No. 1,242,993; Oct. 16; v. 243; p. 559.
- Engraving-machine. G. E. Johnson. No. 1,239,696; Sept. 11; v. 242; p. 340.
- Engraving-machine. J. F. Keller and W. A. Warman. No. 1,243,182; Oct. 16; v. 243; p. 618.
- Engraving-machine, Pantographic. W. S. Eaton. No. 1,235,668; Aug. 7; v. 241; p. 44.
- Engraving-tool, Power-actuated. W. E. Stephenson. No. 1,216,007; Feb. 13; v. 235; p. 573.
- Engravings, Producing half-tone. A. C. Murray. No. 1,225,477; May 8; v. 238; p. 524.
- Enlarged spindle and wheel-hub. H. Nelson. No. 1,229,311; June 12; v. 239; p. 365.
- Ensilage-cutter. W. S. Gouinlock. No. 1,218,079; Mar. 6; v. 236; p. 66.
- Ensilage-cutter. G. M. Merwin. No. 1,241,541; Oct. 2; v. 243; p. 22.
- Ensilage-cutter. G. M. Merwin. No. 1,246,976; Nov. 20; v. 244; p. 613.
- Ensilage-cutter. G. M. Merwin. No. 1,247,307; Nov. 20; v. 244; p. 707.
- Ensilage-cutter. M. P. Schneckenburger. No. 1,226,704; May 22; v. 238; p. 1016.
- Ensilage-cutter distributor. G. M. Merwin. No. 1,216,342; Feb. 20; v. 235; p. 744.
- Ensilage-cutter or the like. G. M. Merwin. No. 1,250,335; Dec. 18; v. 245; p. 623.
- Ensilage-cutters, Cutter-wheel for. T. S. Langford. No. 1,249,426; Dec. 11; v. 245; p. 318.
- Ensilage-cutting machine. W. Sinclair. No. 1,247,460; Nov. 20; v. 244; p. 751.
- Ensilage-cutting-wheel mounting. F. J. Bullock. No. 1,236,260; Aug. 7; v. 241; p. 235.
- Ensilage-elevator. E. W. Burgess. No. 1,233,808; July 17; v. 240; p. 651.
- Ensilage-packer. W. T. Hazelrigg. No. 1,235,893; Aug. 7; v. 241; p. 119.
- Ensilage-packer. A. Lawrence. No. 1,237,916; Aug. 21; v. 241; p. 836.
- Entry-sheet for articles of merchandise. L. Ardin. No. 1,222,060; Apr. 10; v. 237; p. 400.
- Envelop. A. Bushnell, Jr. No. 1,234,867; July 31; v. 240; p. 1222.
- Envelop. C. A. Chesterton. No. 1,212,904; Jan. 16; v. 234; p. 939.
- Envelop. A. W. Clapp. No. 1,236,403; Aug. 14; v. 241; p. 311.
- Envelop. J. F. Currihan. No. 1,219,260; Mar. 13; v. 236; p. 514.
- Envelop. A. Deuschmeister. No. 1,223,569; Apr. 24; v. 237; p. 999.
- Envelop. C. L. Fowler. No. 1,210,449; Jan. 2; v. 234; p. 25.
- Envelop. A. G. Groetzing. No. 1,216,113; Feb. 13; v. 235; p. 612.
- Envelop. A. H. Gustafson. No. 1,249,951; Dec. 11; v. 245; p. 472.
- Envelop. W. F. Hammel. No. 1,230,154; June 19; v. 239; p. 681.
- Envelop. P. A. Hoffman. No. 1,229,081; June 5; v. 239; p. 236.
- Envelop. M. Kantro. No. 1,220,515; Mar. 27; v. 236; p. 1021.
- Envelop. J. G. Knurck. No. 1,228,218; May 29; v. 238; p. 1555.
- Envelop. C. H. Light. No. 1,247,428; Nov. 20; v. 244; p. 743.
- Envelop. D. B. McNamee. No. 1,247,852; Nov. 27; v. 244; p. 900.
- Envelop. E. H. Moore. No. 1,221,569; Apr. 3; v. 237; p. 200.
- Envelop. J. Postolowski. No. 1,230,023; June 12; v. 239; p. 600.
- Envelop. F. Rogalski. No. 1,221,907; Apr. 10; v. 237; p. 349.
- Envelop. R. Roy. No. 1,210,699; Jan. 2; v. 234; p. 112.
- Envelop. J. J. Ryan. No. 1,232,610; July 10; v. 240; p. 389.

Alphabetical list of inventions—Continued.

- Envelop. F. C. Schaeffler. No. 1,231,204; June 26; v. 239; p. 1072.
- Envelop. M. Tanaka. No. 1,227,215; May 22; v. 238; p. 1192.
- Envelop. F. L. Toupal. No. 1,212,852; Jan. 16; v. 234; p. 921.
- Envelop. J. E. White. No. 1,212,594; Jan. 16; v. 234; p. 830.
- Envelop and fastening device therefor, Safety-. H. Dickerson. No. 1,229,048; June 5; v. 239; p. 226.
- Envelop and music-sheet, Combination. A. L. Campbell. No. 1,243,037; Oct. 16; v. 243; p. 575.
- Envelop-blanks, Mechanism for affixing window-patches on. F. E. Arrouquier. No. 1,250,075; Dec. 11; v. 245; p. 506.
- Envelop, Duplex. A. T. Crocker. No. 1,234,879; July 31; v. 240; p. 1226.
- Envelop-fastener. A. Theimer. No. 1,222,490; Apr. 10; v. 237; p. 553.
- Envelop-filling machine. L. McMillan. No. 1,211,329; Jan. 2; v. 234; p. 327.
- Envelop, Folder-. F. W. Forgas. No. 1,240,961; Sept. 25; v. 242; p. 805.
- Envelop, letter-sheet. B. L. Behrendt. No. 1,211,660; Jan. 9; v. 234; p. 473.
- Envelop-machine. H. B. Cooley. No. 1,219,407; Mar. 13; v. 236; p. 565.
- Envelop-machine. N. E. Funk. No. 1,225,026; May 8; v. 238; p. 371.
- Envelop-machine. G. W. Smith. No. 1,234,501; July 24; v. 240; p. 1076.
- Envelop machine, Window-. M. Vierengel. No. 1,234,512; July 24; v. 240; p. 1079.
- Envelop-making machine. O. W. Cowgill. No. 1,218,597; Mar. 6; v. 236; p. 244.
- Envelop-moistener. P. B. Downing. No. 1,243,595; Oct. 16; v. 243; p. 740.
- Envelop moistener and sealer. J. A. Mathers. No. 1,241,645; Oct. 2; v. 243; p. 57.
- Envelop, Money-transmitting. J. R. Sutter. No. 1,220,796; Mar. 27; v. 236; p. 1116.
- Envelop, Open-face. G. W. Swift, Jr. No. 1,228,146; May 29; v. 238; p. 1532.
- Envelop-opener. G. Camillieri. No. 1,214,894; Feb. 6; v. 235; p. 143.
- Envelop-opener. J. L. McKenzie. No. 1,249,441; Dec. 11; v. 245; p. 323.
- Envelop-opener. F. F. Todd. No. 1,216,889; Feb. 20; v. 235; p. 933.
- Envelop-opener. R. Urchniak. No. 1,229,679; June 12; v. 239; p. 491.
- Envelop, Registry-return-receipt. C. Kittle. No. 1,221,189; Apr. 3; v. 237; p. 67.
- Envelop, Return-. E. A. Murphy, E. Z. Lewis, and W. V. Wilson. No. 1,216,347; Feb. 20; v. 235; p. 746.
- Envelop, Safety-. G. P. Burris. No. 1,225,924; May 15; v. 238; p. 717.
- Envelop, Safety-. M. French. No. 1,219,635; Mar. 20; v. 236; p. 674.
- Envelop, Safety-. C. Gargano. No. 1,211,367; Jan. 2; v. 234; p. 337.
- Envelop, Safety-. E. D. Hotchkiss. No. 1,233,780; July 17; v. 240; p. 805.
- Envelop, Safety-. J. B. Krystek. No. 1,222,419; Apr. 10; v. 237; p. 529.
- Envelop, Safety-. W. Marchenczyk. No. 1,220,869; Mar. 27; v. 236; p. 1142.
- Envelop, Safety-. J. Sakac. No. 1,246,166; Nov. 13; v. 244; p. 335.
- Envelop-sealing tool. H. C. Kendall. No. 1,244,054; Oct. 23; v. 243; p. 918.
- Envelop, Shipping-. M. C. Walter. No. 1,228,725; June 5; v. 239; p. 119.
- Envelop stamp and sealer. T. A. Cosgriff. No. 1,233,033; July 10; v. 240; p. 527.
- Envelop, Window-. C. J. Gutberlet. No. 1,245,100; Oct. 30; v. 243; p. 1271.
- Envelops and the like, Making. W. H. Jacobs. No. 1,213,769; Jan. 23; v. 234; p. 1270.
- Envelops, &c., Apparatus for applying fastenings to. W. Richardson. No. 1,239,968; Sept. 11; v. 242; p. 427.
- Envelops, Machine for affixing fastenings to. H. B. Cooley. No. 1,233,194; July 10; v. 240; p. 580.
- Envelops, Making open-face. G. W. Swift, Jr. No. 1,227,017; May 22; v. 238; p. 1125.
- Envelops, Metallic fastener for merchandise-. C. E. Cather. No. 1,235,289; July 31; v. 240; p. 1352.
- Envelops, Patch-applying mechanism for window-. C. O. Ekvall. No. 1,250,995; Dec. 25; v. 245; p. 870.
- Envelops, postal wrappers, and the like, Manufacture of. H. Brown. No. 1,215,248; Feb. 6; v. 235; p. 267.
- Equalizer. E. Wagner. No. 1,239,988; Sept. 11; v. 242; p. 433.
- Equalizing mechanism. J. Forstrom. No. 1,223,486; Apr. 24; v. 237; p. 970.
- Equalizing-table. R. F. Ringle. No. 1,226,256; May 15; v. 238; p. 833.
- Equipment device. N. S. Day. No. 1,214,282; Jan. 30; v. 234; p. 1479.
- Eraser. P. L. Cilley. No. 1,237,474; Aug. 21; v. 241; p. 695.
- Eraser. H. M. Montgomery. No. 1,249,989; Dec. 11; v. 245; p. 482.
- Eraser. W. B. Pershing. No. 1,247,714; Nov. 27; v. 244; p. 858.
- Eraser. W. Roberts. No. 1,243,447; Oct. 16; v. 243; p. 697.
- Eraser. J. C. Smith. No. 1,220,282; Mar. 27; v. 236; p. 939.
- Eraser, Blackboard-. W. E. and F. B. Bayless. No. 1,214,411; Jan. 30; v. 234; p. 1523.
- Eraser device. J. Auld. No. 1,216,648; Feb. 20; v. 235; p. 852.
- Eraser for fountain-pen caps. W. W. Ihne. No. 1,215,538; Feb. 13; v. 235; p. 403.
- Eraser-holder. A. C. Roebuck. No. 1,250,227; Dec. 18; v. 245; p. 592.
- Eraser-holder for pencils. J. Antler. No. 1,248,988; Dec. 4; v. 245; p. 163.
- Erasing-shield. R. F. Weber. No. 1,237,979; Aug. 21; v. 241; p. 856.
- Erasing type-written matter. J. H. Baldwin. No. 1,222,592; Apr. 17; v. 237; p. 630.
- Etching device. V. C. Ronnings. No. 1,243,630; Oct. 16; v. 243; p. 752.
- Etching-machine. C. A. Teits. No. 1,233,524; July 17; v. 240; p. 724.
- Ether-dropper. E. Gamble. No. 1,237,773; Aug. 21; v. 241; p. 792.
- Ethers, Manufacturing paraffin. B. S. Lacy. No. 1,245,742; Nov. 6; v. 244; p. 181.
- Ethyl chlorid, Manufacturing. B. S. Lacy. No. 1,242,208; Oct. 9; v. 243; p. 276.
- Ethyl triacetyl-gallate, Making. K. Zimmermann. No. 1,222,345; Apr. 10; v. 237; p. 502.
- Ethylene-generator. W. K. Freeman. No. 1,233,566; July 17; v. 240; p. 739.
- Evaporating apparatus. A. A. Dunham. No. 1,236,825; Aug. 14; v. 241; p. 451.
- Evaporating apparatus. J. H. Fedeler. No. 1,212,469; Jan. 16; v. 234; p. 786.
- Evaporating apparatus. H. Schwanenberg. No. 1,242,481; Oct. 9; v. 243; p. 362.
- Evaporating aqueous solutions. R. U. Bunker. No. 1,221,022; Apr. 3; v. 237; p. 7.
- Evaporating or concentrating process. F. P. Bergh. No. 1,249,001; Dec. 4; v. 245; p. 166.
- Evaporating-pan. M. Kurth. No. 1,240,984; Sept. 25; v. 242; p. 812.
- Evaporating process and apparatus. F. G. Wheeler. No. 1,222,340; Apr. 10; v. 237; p. 500.
- Evaporative cooler. A. W. Smith. No. 1,221,916; Apr. 10; v. 237; p. 351.
- Evaporator. R. J. Coach. No. 1,220,194; Mar. 27; v. 236; p. 907.
- Evaporator. D. Cozzolino. No. 1,250,094; Dec. 11; v. 245; p. 512.
- Evaporator. W. L. De Baufre. No. 1,213,596; Jan. 23; v. 234; p. 1214.
- Evaporator. W. J. Giller. No. 1,215,140; Feb. 6; v. 235; p. 229.
- Evaporator. P. B. Sadtler. No. 1,246,939; Nov. 20; v. 244; p. 602.
- Evaporator. W. H. C. Smith. No. 1,246,824; Nov. 13; v. 244; p. 532.
- Evaporator. A. W. Waern. No. 1,228,855; June 5; v. 239; p. 165.
- Evaporator. G. C. Westby. No. 1,250,258; Dec. 18; v. 245; p. 601.
- Evaporator for maple-sugar and the like. C. M. Brown. No. 1,238,489; Aug. 28; v. 241; p. 1056.
- Evaporator, Multiple-surface. J. Kuen. No. 1,245,469; Nov. 6; v. 244; p. 98.
- Everer. E. A. Hagerman. No. 1,242,179; Oct. 9; v. 243; p. 266.
- Everer-bar or the like. J. R. Taylor. No. 1,223,910; Apr. 24; v. 237; p. 1120.
- Everer, Combination-. J. G. Lehmann. No. 1,217,022; Feb. 20; v. 235; p. 979.
- Everer, Five-horse. F. P. Waddell. No. 1,214,728; Feb. 6; v. 235; p. 87.
- Excavating and dredging machine. R. E. Wilt. No. 1,249,875; Dec. 11; v. 245; p. 451.
- Excavating and transporting material in grading, Means for. W. F. Brinton. No. 1,231,121; June 26; v. 239; p. 1045.
- Excavating apparatus. F. E. Allen. No. 1,232,749; July 10; v. 240; p. 436.
- Excavating apparatus. J. W. Bailey. No. 1,217,552; Feb. 27; v. 235; p. 1208.
- Excavating apparatus. W. F. Hervey. No. 1,232,307; July 3; v. 240; p. 258.
- Excavating apparatus. T. S. Miller. No. 1,247,309; Nov. 20; v. 244; p. 708.
- Excavating-bucket. J. Flynn. No. 1,221,041; Apr. 3; v. 237; p. 13.
- Excavating-dippers, Back for. W. S. McKee and W. G. Nichols. No. 1,213,666; Jan. 23; v. 234; p. 1237.
- Excavating-machine. S. S. Budlong. No. 1,210,412; Jan. 2; v. 234; p. 11.
- Excavating-machine. G. H. Dunlop. No. 1,234,147; July 24; v. 240; p. 960.
- Excavating-machine. G. H. Dunlop. No. 1,236,691; Aug. 14; v. 241; p. 408.
- Excavating-machine. J. Engelbrecht. No. 1,221,848; Apr. 10; v. 237; p. 327.

- Excavating-machine. J. G. Fogarty. No. 1,229,600; June 12; v. 239; p. 463.
- Excavating-machine. J. G. Fogarty. No. 1,236,418; Aug. 14; v. 241; p. 317.
- Excavating-machine. L. A. Krupp. No. 1,234,672; July 24; v. 240; p. 1128.
- Excavating-machine. G. M. Rice. No. 1,224,323; May 1; v. 238; p. 75.
- Excavating-machine. C. D. Sargent. No. 1,236,880; Aug. 14; v. 241; p. 468.
- Excavating-machine. G. E. Wagner. No. 1,225,537; May 8; v. 238; p. 543.
- Excavating-machine, Distant-power. W. F. Brinton. No. 1,236,904; Aug. 14; v. 241; p. 475.
- Excavating machine, Trench-. F. S. Dobson. No. 1,237,310; Aug. 21; v. 241; p. 643.
- Excavating system. C. A. Morris. No. 1,238,801; Sept. 4; v. 242; p. 25.
- Excavating-wheels, Bucket-cleaning means for. A. V. Wadsworth. No. 1,244,006; Oct. 23; v. 243; p. 903.
- Excavations, Apparatus for sheathing the walls of. J. C. Meem. No. 1,246,133; Nov. 13; v. 244; p. 326.
- Excavations, Back-filling machine for. W. J. A. Hoe-neck. No. 1,243,293; Oct. 16; v. 243; p. 651.
- Excavator. C. S. Butterfield. No. 1,219,371; Mar. 13; v. 236; p. 553.
- Excavator. E. D. Callen. No. 1,248,262; Nov. 27; v. 244; p. 1014.
- Excavator. L. J. Chapin. No. 1,210,760; Jan. 2; v. 234; p. 131.
- Excavator. G. H. Greimann. No. 1,217,752; Feb. 27; v. 235; p. 1277.
- Excavator. C. G. Hastings. No. 1,240,445; Sept. 18; v. 242; p. 613.
- Excavator. F. Hightower. No. 1,245,590; Nov. 6; v. 244; p. 136.
- Excavator. F. Lemoine. No. 1,235,704; Aug. 7; v. 241; p. 55.
- Excavator and loader. H. F. Dolan. No. 1,234,304; July 24; v. 240; p. 1011.
- Excavator and loader. J. McGirr. No. 1,229,992; June 12; v. 239; p. 590.
- Excavator, Loading. T. F. Moore. No. 1,245,118; Oct. 30; v. 243; p. 1277.
- Excavator-tooth. N. M. Dickson. No. 1,216,290; Feb. 20; v. 235; p. 726.
- Excavator, Wheel-. J. C. French. No. 1,215,791; Feb. 13; v. 235; p. 495.
- Excelsior-machine. F. H. Phillips. No. 1,237,378; Aug. 21; v. 241; p. 665.
- Exchange systems, Two-way, two-wire trunk for multi-office automatic. C. L. Goodrum. No. 1,224,374; May 1; v. 238; p. 93.
- Exercise, Health-. A. P. Schmidt. No. 1,211,765; Jan. 9; v. 234; p. 508.
- Exercising apparatus. T. E. Vaughn. No. 1,237,588; Aug. 21; v. 241; p. 732.
- Exercising apparatus, Auto-. I. Fox. No. 1,240,191; Sept. 18; v. 242; p. 532.
- Exercising device. E. F. Baldwin. No. 1,240,809; Sept. 25; v. 242; p. 757.
- Exercising device. C. A. Boyd. No. 1,222,924; Apr. 17; v. 237; p. 745.
- Exercising device. E. W. Liljegan. No. 1,250,905; Dec. 18; v. 245; p. 793.
- Exhausting-machine. J. T. Fagan and C. H. Quackenbush. No. 1,210,620; Jan. 2; v. 234; p. 84.
- Exhibiting and dispensing apparatus, Combined. S. W. Crane. No. 1,242,149; Oct. 9; v. 243; p. 257.
- Exhibiting device. J. H. Brewer. No. 1,224,267; May 1; v. 238; p. 55.
- Exhibition device. A. Wayrich. No. 1,218,231; Mar. 6; v. 236; p. 120.
- Exhibition-screen for projecting-machines. J. F. R. Troeger. No. 1,216,380; Feb. 20; v. 235; p. 758.
- Exhibitor. J. B. Atkinson. No. 1,236,653; Aug. 14; v. 241; p. 394.
- Exhibitor. M. Perreten. No. 1,245,019; Oct. 30; v. 243; p. 1247.
- Exhibitor. J. J. Thole. No. 1,231,455; June 26; v. 239; p. 1156.
- Exhibitor, Changeable. H. Bracht and R. B. Benjamin. No. 1,246,860; Nov. 20; v. 244; p. 580.
- Exhibitor, Changeable. J. G. Davis. No. 1,232,236; July 3; v. 240; p. 235.
- Exhibitor, Changeable. H. W. McKean and R. J. Oliver. No. 1,235,826; Aug. 7; v. 241; p. 97.
- Exhibitors, Means for operating changeable. P. Fandel. No. 1,227,409; May 22; v. 238; p. 1253.
- Expanded reticulated constructions, Forming. C. W. Rice and C. W. Dake. No. 1,215,061; Feb. 6; v. 235; p. 204.
- Expanding center, Adjustable. W. L. Keefer. No. 1,219,744; Mar. 20; v. 236; p. 711.
- Expanding drill. J. W. Jennings. No. 1,235,569; Aug. 7; v. 241; p. 13.
- Expansion-bolt. D. W. Bennett. No. 1,247,621; Nov. 27; v. 244; p. 829.
- Expansion-bolt. T. Hand. No. 1,220,841; Mar. 27; v. 236; p. 1134.
- Expansion-bolt. J. Lee. No. 1,244,992; Oct. 30; v. 243; p. 1238.
- Expansion-bolt. G. F. Minnis. No. 1,225,468; May 8; v. 238; p. 522.
- Expansion-bolt. M. T. Weston. No. 1,212,298; Jan. 16; v. 234; p. 727.
- Expansion comb or reed. A. E. Rhoades. No. 1,249,283; Dec. 4; v. 245; p. 248.
- Expansion-coupling. H. D. Williams and W. Ahlen. No. 1,220,483; Mar. 27; v. 236; p. 1011.
- Expansion device. J. Di Salvo. No. 1,224,720; May 1; v. 238; p. 216.
- Expansion device. L. R. Zifferer. No. 1,224,698; May 1; v. 238; p. 207.
- Expansion-joint. F. Ray. No. 1,213,906; Jan. 30; v. 234; p. 1349.
- Expansion-mold, Mechanical. B. Darrow. No. 1,212,457; Jan. 16; v. 234; p. 782.
- Explosion-engine. S. Alder. No. 1,233,951; July 17; v. 240; p. 862.
- Explosion-engine. M. S. Darling. No. 1,212,914; Jan. 16; v. 234; p. 942.
- Explosion-engine. R. L. Ellery. No. 1,231,004; June 26; v. 239; p. 1005.
- Explosion-engine. T. F. Neilson. No. 1,221,081; Apr. 3; v. 237; p. 27.
- Explosion-engine. J. and F. O. Peterson. No. 1,238,330; Aug. 28; v. 241; p. 1005.
- Explosion-engine. E. P. Rayl. No. 1,237,696; Aug. 21; v. 241; p. 768.
- Explosion-engine. H. C. Tillotson. No. 1,238,222; Aug. 28; v. 241; p. 968.
- Explosion-engine, Water. G. Fuehler. No. 1,226,500; May 15; v. 238; p. 912.
- Explosion-motor. L. L. Russell. No. 1,247,156; Nov. 20; v. 244; p. 665.
- Explosions in mines, Means for preventing. A. H. Stow. No. 1,228,985; June 5; v. 239; p. 205.
- Explosions, Means for minimizing the effects of colliery. J. J. C. Allison and J. Waller. No. 1,243,377; Oct. 16; v. 243; p. 676.
- Explosive and producing same. H. Hibbert. No. 1,213,369; Jan. 23; v. 234; p. 1135.
- Explosive bomb. T. Cooper. No. 1,228,748; June 5; v. 239; p. 128.
- Explosive-cap protection. C. H. Allison. No. 1,215,329; Feb. 13; v. 235; p. 329.
- Explosive charges in earth, Device for inserting. E. K. O'Brien. No. 1,247,567; Nov. 20; v. 244; p. 781.
- Explosive. Chlorate. J. M. Brown. No. 1,218,976; Mar. 13; v. 236; p. 418.
- Explosive composition and producing same. H. Hibbert. No. 1,231,351; June 26; v. 239; p. 1120.
- Explosive compound, Producing. R. H. Twining and R. W. G. Wyckoff. No. 1,242,900; Oct. 9; v. 243; p. 495.
- Explosive device. R. C. Crawford. No. 1,243,817; Oct. 23; v. 243; p. 847.
- Explosive device. T. S. Miller. No. 1,236,736; Aug. 14; v. 241; p. 423.
- Explosive-engine. O. E. Barthel. No. 1,234,855; July 31; v. 240; p. 1218.
- Explosive-engine. N. Boggs. No. 1,243,483; Oct. 16; v. 243; p. 707.
- Explosive-engine. L. Brown. No. 1,213,736; Jan. 23; v. 234; p. 1260.
- Explosive-engine. J. P. Carlson. No. 1,220,951; Mar. 27; v. 236; p. 1168.
- Explosive-engine. M. S. Darling. No. 1,246,560; Nov. 13; v. 244; p. 455.
- Explosive-engine. M. C. Kessler. No. 1,221,544; Apr. 3; v. 237; p. 191.
- Explosive-engine. M. C. Kessler. No. 1,221,545; Apr. 3; v. 237; p. 191.
- Explosive-engine. M. C. Kessler. No. 1,234,039; July 17; v. 240; p. 889.
- Explosive-engine. G. W. Nyquist. No. 1,236,472; Aug. 14; v. 241; p. 334.
- Explosive-engine. H. J. Rimbach. No. 1,215,993; Feb. 13; v. 235; p. 568.
- Explosive-engine. W. H. Schillinger. No. 1,218,214; Mar. 6; v. 236; p. 114.
- Explosive-engine. J. B. Taylor, Jr. No. 1,233,934; July 17; v. 240; p. 856.
- Explosive-engine, Turbine. L. L. Femons. No. 1,217,733; Feb. 27; v. 235; p. 1270.
- Explosive of the Sprengel class, Chlorate. W. C. Wain. No. 1,240,272; Sept. 18; v. 242; p. 558.
- Explosive powder, Finishing. E. Du Pont. No. 1,240,549; Sept. 18; v. 242; p. 644.
- Explosive powder, Process of and apparatus for polishing. F. I. Du Pont. No. 1,239,368; Sept. 4; v. 242; p. 207.
- Explosive shell. J. L. De Mesquita. No. 1,234,881; July 31; v. 240; p. 1226.
- Explosive shell. J. Krupka. No. 1,237,658; Aug. 21; v. 241; p. 756.
- Explosive shell or similar body. F. M. Hale. No. 1,224,163; May 1; v. 238; p. 16.
- Explosives, Drying. W. A. Phillips. No. 1,237,551; Aug. 21; v. 241; p. 721.
- Explosives, Electric ignition of. R. Miller. No. 1,235,993; Aug. 7; v. 241; p. 151.
- Explosives in mines, System for firing. C. E. Knowles and L. D. Corneliuss. No. 1,212,072; Jan. 9; v. 234; p. 616.
- Explosives, Manufacture of. H. Hibbert. No. 1,213,367; Jan. 23; v. 234; p. 1135.
- Explosives, Manufacture of. R. G. Smith. No. 1,243,231; Oct. 16; v. 243; p. 633.

Alphabetical list of inventions—Continued.

- Explosives, Manufacture of. R. G. Smith. No. 1,243,351; Oct. 16; v. 243; p. 669.
- Explosives, Means for insuring the safe manipulation of. E. P. Du Pont. No. 1,240,548; Sept. 18; v. 242; p. 644.
- Explosives, Preparing flock-cotton for. A. De Salas. No. 1,249,726; Dec. 11; v. 245; p. 406.
- Exposure-signal and film-guard. A. Droste. No. 1,242,157; Oct. 9; v. 243; p. 260.
- Extensible and foldable table, Combined. A. M. Gannaway. No. 1,210,635; Jan. 2; v. 234; p. 89.
- Extension-bit. W. P. Sheets. No. 1,232,397; July 3; v. 240; p. 286.
- Extension-clamp. L. Hoffman. No. 1,241,215; Sept. 25; v. 242; p. 883.
- Extension-drill. J. H. Rusby. No. 1,246,326; Nov. 13; v. 244; p. 384.
- Extension-stand, Collapsible. W. H. Sibbald. No. 1,236,612; Aug. 14; v. 241; p. 380.
- Extension-table. H. Amsel and B. Reichard. No. 1,227,102; May 22; v. 238; p. 1154.
- Extension-table. E. Belmore. No. 1,239,340; Sept. 4; v. 242; p. 198.
- Extension-table. T. B. Ehart. No. 1,217,727; Feb. 27; v. 235; p. 1269.
- Extension-table. C. A. Frisbie. No. 1,236,075; Aug. 7; v. 241; p. 177.
- Extension-table. N. Giard. No. 1,246,085; Nov. 13; v. 244; p. 311.
- Extension-table. M. Heymann. No. 1,244,208; Oct. 23; v. 243; p. 963.
- Extension-table. M. Klueg. No. 1,224,175; May 1; v. 238; p. 21.
- Extension-table. M. Kreczkowski. No. 1,215,551; Feb. 13; v. 235; p. 408.
- Extension-table. C. Kuehn. No. 1,236,320; Aug. 7; v. 241; p. 268.
- Extension-table. S. R. Libbey. No. 1,242,822; Oct. 9; v. 243; p. 471.
- Extension-table. L. F. Lobenhofer. No. 1,232,578; July 10; v. 240; p. 378.
- Extension-table. T. M. McKee. No. 1,251,257; Dec. 25; v. 245; p. 946.
- Extension-table. J. Mohr. No. 1,225,991; May 15; v. 238; p. 739.
- Extension-table. C. Nelson. No. 1,243,621; Oct. 16; v. 243; p. 750.
- Extension-table. O. Schneiderreit. No. 1,232,396; July 3; v. 240; p. 286.
- Extension-table. B. J. Siegel. No. 1,248,182; Nov. 27; v. 244; p. 991.
- Extension-table. D. S. Smith. No. 1,237,966; Aug. 21; v. 241; p. 852.
- Extension-table, Circular. P. M. Srader. No. 1,226,134; May 15; v. 238; p. 789.
- Extensometer. D. Okhuizen. No. 1,214,708; Feb. 6; v. 235; p. 80.
- Exterminator. J. Conceição. No. 1,245,685; Nov. 6; v. 244; p. 165.
- Exterminator. H. Longauer. No. 1,239,799; Sept. 11; v. 242; p. 373.
- Extinguishing apparatus. J. O'Loughlin. No. 1,244,637; Oct. 30; v. 243; p. 1131.
- Extract having the flavor and aroma of malt and producing the same. M. and L. Wallerstein. No. 1,214,730; Feb. 6; v. 235; p. 87.
- Extracts, Device for the preparation of. K. Gebhardt. No. 1,235,791; Aug. 7; v. 241; p. 85.
- Extracting-tool. J. Bell. No. 1,247,362; Nov. 20; v. 244; p. 723.
- Extractor: See—
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| Alcohol-extractor. | Nail-extractor. |
| Auto-extractor. | Nail or like extractor. |
| Centrifugal extractor. | Pen-extractor. |
| Cork-extractor. | Serum-extractor. |
| Cotter-pin extractor. | Stopper-extractor. |
| Drill-extractor. | Stopper or cork extractor. |
| Fume-extractor. | Stud-extractor. |
| Honey-extractor. | Stump-extractor. |
| Juice-extractor. | Stump and root extractor. |
- Extractor-cover. M. Daly. No. 1,217,418; Feb. 27; v. 235; p. 1159.
- Extractors, Safety mechanism for electrically-operated. F. Balzer. No. 1,236,530; Aug. 14; v. 241; p. 354.
- Eye, Artificial. P. Weber. No. 1,219,058; Mar. 13; v. 236; p. 445.
- Eye-cup. B. C. Heath. No. 1,244,498; Oct. 30; v. 243; p. 1089.
- Eye-cup. L. Nussbaum. No. 1,236,597; Aug. 14; v. 241; p. 375.
- Eye for guy attachment. C. L. Matthews. No. 1,227,168; May 22; v. 238; p. 1177.
- Eye-forming mechanism. A. Berg. No. 1,215,332; Feb. 13; v. 235; p. 330.
- Eye-protector. G. H. Day. No. 1,216,958; Feb. 20; v. 235; p. 956.
- Eye-protector. G. H. Day. No. 1,221,977; Apr. 10; v. 237; p. 373.
- Eye-protector. G. H. Day. No. 1,241,714; Oct. 2; v. 243; p. 78.
- Eye-protector. G. H. Day. No. 1,241,715; Oct. 2; v. 243; p. 79.
- Eye-protector. G. H. Day. No. 1,243,820; Oct. 23; v. 243; p. 848.
- Eye-protector. G. L. Tully. No. 1,248,758; Dec. 4; v. 245; p. 98.
- Eye-shade. R. H. Bacon. No. 1,213,447; Jan. 23; v. 234; p. 1162.
- Eye-shield. W. E. Schmidt. No. 1,217,838; Feb. 27; v. 235; p. 1306.
- Eye-shield attachment for caps. C. H. McCaughey. No. 1,219,972; Mar. 20; v. 236; p. 792.
- Eye-shield, Detachable. J. A. Maynard. No. 1,228,341; May 29; v. 238; p. 1596.
- Eye-shield diffuser. J. F. Scott. No. 1,216,855; Feb. 20; v. 235; p. 922.
- Eye-shield, Motorist's. J. Van Vorst. No. 1,224,431; May 1; v. 238; p. 115.
- Eye-testing apparatus. F. W. Putman. No. 1,230,027; June 12; v. 239; p. 601.
- Eye-testing device. C. G. Herrick. No. 1,228,020; May 29; v. 238; p. 1491.
- Eye-testing device. E. D. Tillyer. No. 1,246,495; Nov. 13; v. 244; p. 435.
- Eye-washing device. F. Maier. No. 1,246,971; Nov. 20; v. 244; p. 612.
- Eyeglass. J. H. Brown. No. 1,219,433; Mar. 20; v. 236; p. 604.
- Eyeglass and spectacle mounting. J. F. Sallee. No. 1,242,599; Oct. 9; v. 243; p. 401.
- Eyeglass-case. J. M. Bradley and C. F. Pike. No. 1,240,536; Sept. 18; v. 242; p. 641.
- Eyeglass-case. R. A. Goelkel. No. 1,229,937; June 12; v. 239; p. 574.
- Eyeglass-case. V. Nivois. No. 1,248,893; Dec. 4; v. 245; p. 137.
- Eyeglass construction. S. J. Clulee. No. 1,224,361; May 1; v. 238; p. 89.
- Eyeglass-guard. L. F. Adt. No. 1,239,245; Sept. 4; v. 242; p. 169.
- Eyeglass-guard. A. Wickey. No. 1,238,971; Sept. 4; v. 242; p. 81.
- Eyeglass-holder. C. G. Aldrich. No. 1,233,158; July 10; v. 240; p. 568.
- Eyeglass-holder. A. J. Comer. No. 1,238,496; Aug. 28; v. 241; p. 1057.
- Eyeglass-mounting. G. A. Bader. No. 1,219,422; Mar. 20; v. 236; p. 600.
- Eyeglass-mounting. E. J. R. Beatty. No. 1,240,533; Sept. 18; v. 242; p. 639.
- Eyeglass-mounting. D. F. Green. No. 1,233,570; July 17; v. 240; p. 740.
- Eyeglass-mounting. I. Y. Ladd. No. 1,236,452; Aug. 14; v. 241; p. 327.
- Eyeglass polisher-container. H. A. Hayden. No. 1,242,187; Oct. 9; v. 243; p. 269.
- Eyeglass-rims, Making. S. Clulee. No. 1,219,254; Mar. 13; v. 236; p. 512.
- Eyeglasses. C. A. Hoffman. No. 1,243,410; Oct. 16; v. 243; p. 685.
- Eyeglasses. M. Kaplan. No. 1,212,776; Jan. 16; v. 234; p. 896.
- Eyeglasses and spectacles. W. N. Cook. No. 1,228,882; June 5; v. 239; p. 173.
- Eyeglasses and spectacles. Z. M. Léger. No. 1,210,498; Jan. 2; v. 234; p. 42.
- Eyeglasses and spectacles. F. W. Wood. No. 1,213,324; Jan. 23; v. 234; p. 1120.
- Eyeglasses and spectacles, Frame for. F. A. Stevens. No. 1,236,497; Aug. 14; v. 241; p. 343.
- Eyeglasses and spectacles, Holder for. W. L. Wall. No. 1,219,685; Mar. 20; v. 236; p. 692.
- Eyeglasses, Mounting of rimless. F. W. Duke. No. 1,249,353; Dec. 11; v. 245; p. 299.
- Eyeglasses, Nose-clamp for. R. H. Tudor. No. 1,228,721; June 5; v. 239; p. 118.
- Eyeglasses or spectacles. S. J. Clulee. No. 1,248,430; Nov. 27; v. 244; p. 1060.
- Eyeglasses or spectacles. D. D. Draper. No. 1,230,136; June 19; v. 239; p. 675.
- Eyeglasses, Pivoted bridge-spring for. F. J. Kremetz. No. 1,214,184; Jan. 30; v. 234; p. 1443.
- Eyeglasses, Strap for mounting. J. C. Watson. No. 1,234,429; July 24; v. 240; p. 1053.
- Eyellet-setting device. M. O. Anthony. No. 1,228,735; June 5; v. 239; p. 123.
- Eyeteleing and setting or like machine. H. C. Hinchcliff. No. 1,238,519; Aug. 28; v. 241; p. 1066.
- Eyeteleing-machine. F. L. Harmon. No. 1,224,460; May 1; v. 238; p. 125.
- Eyeteleing-machine. F. L. Harmon. No. 1,237,204; Aug. 14; v. 241; p. 569.
- Fabric: See—
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| Balloon fabric. | Pile fabric. |
| Bed-spring fabric. | Rubber fabric. |
| Bonded fabric. | Seine fabric. |
| Chain fabric. | Tire fabric. |
| Knit fabric. | Tubular fabric. |
| Knitted fabric. | Waterproof fabric. |
| Leather fabric. | Waterproof elastic fabric. |
| Link-mesh fabric. | Wire fabric. |
| Metal fabric. | Wrapping and baling fabric. |
- Fabric. A. E. Jury. No. 1,241,853; Oct. 2; v. 243; p. 123.
- Fabric. J. W. Snedeker. No. 1,243,352; Oct. 16; v. 243; p. 669.

- Fabric. E. E. Waite. No. 1,243,905; Oct. 23; v. 243; p. 874.
- Fabric and hose making machine. L. A. Subers. No. 1,220,288; Mar. 27; v. 236; p. 941.
- Fabric-bolt board. C. K. Baumann. No. 1,216,924; Feb. 20; v. 235; p. 945.
- Fabric-bolt board. C. K. Baumann. No. 1,218,358; Mar. 6; v. 236; p. 164.
- Fabric-cleaning apparatus. J. Payet. No. 1,220,268; Mar. 27; v. 236; p. 933.
- Fabric-cleaning apparatus. J. Payet. No. 1,246,993; Nov. 20; v. 244; p. 618.
- Fabric-cutting machine. F. Chatfield. No. 1,243,673; Oct. 16; v. 243; p. 765.
- Fabric-cutting machine. E. Rusterholz. No. 1,246,327; Nov. 13; v. 244; p. 384.
- Fabric for mats, rugs, &c. F. W. Tully. No. 1,223,537; Apr. 24; v. 237; p. 990.
- Fabric-making machine. H. E. Brown. No. 1,224,270; May 1; v. 238; p. 56.
- Fabric-making machine. Open-mesh. J. W. Snedeker. No. 1,243,353; Oct. 16; v. 243; p. 669.
- Fabric-piling machines. Automatic table control for. H. A. Shields. No. 1,225,875; May 15; v. 238; p. 700.
- Fabric sample or swatch. R. Schey. No. 1,214,832; Feb. 6; v. 235; p. 121.
- Fabric sections. Joining. C. McNeil. No. 1,220,524; Mar. 27; v. 236; p. 1024.
- Fabric sections. Preparing. R. W. Scott. No. 1,238,717; Aug. 28; v. 241; p. 1126.
- Fabric-stretcher. A. C. Hanson. No. 1,239,479; Sept. 11; v. 242; p. 270.
- Fabric strips. Connecting means for. C. I. Hoople. No. 1,227,053; May 22; v. 238; p. 1137.
- Fabrics. Adjustable spreader for tubular. H. A. Shields. No. 1,215,419; Feb. 13; v. 235; p. 360.
- Fabrics against moths and the like and making the same. Protector of. P. Pick. No. 1,216,356; Feb. 20; v. 235; p. 748.
- Fabrics. Border-forming mechanism for. W. P. Drumheller. No. 1,215,919; Feb. 13; v. 235; p. 541.
- Fabrics. Device for making the cutting-lists of slit-up. V. Niederwerfer. No. 1,226,361; May 15; v. 238; p. 868.
- Fabrics. Impregnating. L. Petersen-Hvild. No. 1,219,349; Mar. 13; v. 236; p. 544.
- Fabrics. Machine for introducing knickers into. W. S. Kinsley. No. 1,235,327; July 31; v. 240; p. 1364.
- Fabrics. Machine for raising nap on. J. Regout, Jr. No. 1,217,129; Feb. 20; v. 235; p. 1015.
- Fabrics. Producing designs upon pile. W. Schnelder. No. 1,248,727; Dec. 4; v. 245; p. 89.
- Face-protector. W. D. Kemp. No. 1,238,154; Aug. 28; v. 241; p. 945.
- Facing-tool. A. L. Geitner. No. 1,240,701; Sept. 18; v. 242; p. 690.
- Fan. F. A. Fleck. No. 1,225,122; May 8; v. 238; p. 403.
- Fan. J. O. Gillis. No. 1,247,818; Nov. 27; v. 244; p. 889.
- Fan. H. F. Hagen. No. 1,246,090; Nov. 13; v. 244; p. 313.
- Fan. F. C. Howe. No. 1,247,838; Nov. 27; v. 244; p. 895.
- Fan. J. D. Jones. No. 1,226,670; May 22; v. 238; p. 1005.
- Fan. P. Lawson. No. 1,244,103; Oct. 23; v. 243; p. 932.
- Fan. W. K. Liggett. No. 1,243,615; Oct. 16; v. 243; p. 748.
- Fan. J. E. Nisbet. No. 1,210,828; Jan. 2; v. 234; p. 154.
- Fan. A. Z. Seror and E. J. Hoyer. No. 1,243,637; Oct. 16; v. 243; p. 754.
- Fan. F. H. Waggoner. No. 1,231,104; June 26; v. 239; p. 1040.
- Fan. Air-. J. A. Sweney. No. 1,242,116; Oct. 2; v. 243; p. 206.
- Fan and generator. Electric. H. K. Kouyoumjian. No. 1,219,562; Mar. 20; v. 236; p. 650.
- Fan and motor therefor and for other purposes. Electric. G. S. Tiffany. No. 1,212,282; Jan. 16; v. 234; p. 722.
- Fan attachment. E. M. Hansley. No. 1,249,077; Dec. 4; v. 245; p. 188.
- Fan attachment. Electric. W. I. Work. No. 1,226,734; May 22; v. 238; p. 1027.
- Fan. Automatic baby-carriage. B. B. and R. C. Hartleb. No. 1,218,858; Mar. 13; v. 236; p. 378.
- Fan. Automatic electric. J. W. Warriner. No. 1,238,365; Aug. 28; v. 241; p. 1015.
- Fan. Automatically-controlled. P. T. Snyder. No. 1,233,518; July 17; v. 240; p. 722.
- Fan-blade. S. R. Sheldon. No. 1,250,681; Dec. 18; v. 245; p. 727.
- Fan. Ceiling-. W. M. McEwen. No. 1,246,967; Nov. 20; v. 244; p. 611.
- Fan. Centrifugal. A. A. Criqui. No. 1,240,949; Sept. 25; v. 242; p. 801.
- Fan. Centrifugal conveyer-. W. S. Osborne. No. 1,233,115; July 10; v. 240; p. 553.
- Fan. Chair-operated. J. Zurvalcz. No. 1,212,433; Jan. 16; v. 234; p. 774.
- Fan. Circular-disk. H. F. Hagen. No. 1,232,795; July 10; v. 240; p. 451.
- Fan construction. L. M. Dieterich. No. 1,244,480; Oct. 30; v. 243; p. 1083.
- Fan. Dust-separating. J. McDaniel. No. 1,222,779; Apr. 17; v. 237; p. 695.
- Fan. Electric. A. Adamo. No. 1,243,238; Oct. 16; v. 243; p. 635.
- Fan. Electric. W. C. Hood. No. 1,214,163; Jan. 30; v. 234; p. 1436.
- Fan. Electric. E. Keen. No. 1,219,745; Mar. 20; v. 236; p. 712.
- Fan. Electric. W. M. McEwen. No. 1,214,198; Jan. 30; v. 234; p. 1448.
- Fan. Electric. W. M. McEwen. No. 1,214,698; Feb. 6; v. 235; p. 76.
- Fan. Electric. G. Olson. No. 1,243,968; Oct. 23; v. 243; p. 892.
- Fan. Electric window-. E. E. Hepsley. No. 1,211,150; Jan. 2; v. 234; p. 265.
- Fan. Folding. F. H. Waggoner. No. 1,231,105; June 26; v. 239; p. 1040.
- Fan for sewing-machines. R. Myer and J. G. Faulkinberry. No. 1,226,572; May 15; v. 238; p. 934.
- Fan for vacuum-cleaners. Exhaust-. W. H. Upton and O. Stolp. No. 1,249,692; Dec. 11; v. 245; p. 396.
- Fan. Gyrotory. F. H. Miller. No. 1,227,291; May 22; v. 238; p. 1217.
- Fan-hanger outlet. F. B. Adam. No. 1,244,454; Oct. 30; v. 243; p. 1075.
- Fan. Motor-. L. J. Parker. No. 1,241,245; Sept. 25; v. 242; p. 893.
- Fan motor. Oscillating-. C. Aalborg. No. 1,241,599; Oct. 2; v. 243; p. 43.
- Fan. Noiseless. C. G. Swenson. No. 1,241,166; Sept. 25; v. 242; p. 868.
- Fan or blower. E. Glantzberg. No. 1,246,086; Nov. 13; v. 244; p. 312.
- Fan. Oscillating. C. Aalborg. No. 1,241,600; Oct. 2; v. 243; p. 44.
- Fan. Power-driven rotary. R. B. Burton. No. 1,237,866; Aug. 21; v. 241; p. 820.
- Fan. Revolving. O. S. Jennings. No. 1,226,076; May 15; v. 238; p. 770.
- Fan. Rotary. H. Meredith-Jones. No. 1,214,812; Feb. 6; v. 235; p. 113.
- Fan. Rotary. W. W. Rosenfield. No. 1,233,707; July 17; v. 240; p. 783.
- Fan. Rotary. A. F. Roth. No. 1,213,955; Jan. 30; v. 234; p. 1365.
- Fan. Self-propelling bed-. S. F. Wilson and A. L. Wagner. No. 1,233,155; July 10; v. 240; p. 567.
- Fan. Swing-. A. G. Wood. No. 1,245,849; Nov. 6; v. 244; p. 215.
- Fan. Toilet-. L. M. Payne. No. 1,250,001; Dec. 11; v. 245; p. 485.
- Fans. Circuit-maker for oscillating. G. Olson. No. 1,245,374; Nov. 6; v. 244; p. 69.
- Fans. Driving connection for motor-driven. C. Aalborg. No. 1,222,512; Apr. 10; v. 237; p. 560.
- Fans. Protective device for ventilating-. R. A. Ilg. No. 1,244,334; Oct. 23; v. 243; p. 1002.
- Fans. Spring-motor for. G. W. Turner. No. 1,214,848; Feb. 6; v. 235; p. 126.
- Fare-box. F. B. Kennedy. No. 1,217,186; Feb. 27; v. 235; p. 1079.
- Fare-box. W. I. Ohmer. No. 1,223,723; Apr. 24; v. 237; p. 1054.
- Fare-box. W. I. Ohmer. No. 1,246,645; Nov. 13; v. 244; p. 480.
- Fare-box. Coin and paper-ticket. D. B. Whistler. No. 1,234,705; July 24; v. 240; p. 1138.
- Fare-box. Coin-ticket-registering. D. B. Whistler. No. 1,234,707; July 24; v. 240; p. 1138.
- Fare-box. Combination. D. B. Whistler. No. 1,234,706; July 24; v. 240; p. 1138.
- Fare-box. Registering. F. B. Kennedy. No. 1,246,608; Nov. 13; v. 244; p. 470.
- Fare-indicator-selecting mechanism. H. J. Sibley. No. 1,210,858; Jan. 2; v. 234; p. 164.
- Fare-indicator. Time-controlled. P. Floussfish. No. 1,239,095; Sept. 4; v. 242; p. 120.
- Fare-recording mechanism. W. I. Ohmer and D. B. Whistler. No. 1,229,646; June 12; v. 239; p. 479.
- Fare-recording mechanism. W. I. Ohmer and D. B. Whistler. No. 1,229,647; June 12; v. 239; p. 479.
- Fare-register-operating mechanism. H. J. Sibley. No. 1,210,859; Jan. 2; v. 234; p. 164.
- Farm-gate. F. W. Bacho. No. 1,224,353; May 1; v. 238; p. 86.
- Farm-gate. W. Darley. No. 1,220,961; Mar. 27; v. 236; p. 1172.
- Farm-gate. G. A. Drerup and H. Cramer. No. 1,237,881; Aug. 21; v. 241; p. 825.
- Farm-gate. G. E. Hardesty. No. 1,210,797; Jan. 2; v. 234; p. 144.
- Farm-gate. L. W. Miller. No. 1,228,343; May 29; v. 238; p. 1597.
- Farm-gate. G. W. Paullin. No. 1,245,016; Oct. 30; v. 243; p. 1246.
- Farm-gate. R. J. Rasmussen. No. 1,245,163; Nov. 6; v. 244; p. 6.
- Farm-gate. H. C. Rybolt. No. 1,219,668; Mar. 20; v. 236; p. 686.
- Farm-gate. S. R. Skaggs. No. 1,242,255; Oct. 9; v. 243; p. 290.

Alphabetical list of inventions—Continued.

- Farm-gate, Automatic. A. Berry. No. 1,221,274; Apr. 3; v. 237; p. 97.
- Farming implement. W. S. Jones. No. 1,219,107; Mar. 13; v. 236; p. 462.
- Farming implement. M. R. Miller. No. 1,221,351; Apr. 3; v. 237; p. 123.
- Farming implement, Power-driven. P. Powers. No. 1,247,450; Nov. 20; v. 244; p. 748.
- Farming implement, Wheeled. R. E. Hamilton. No. 1,235,891; Aug. 7; v. 241; p. 119.
- Farrowing-box. L. Sturm. No. 1,230,237; June 19; v. 239; p. 710.
- Fastener. L. Arkin. No. 1,225,741; May 15; v. 238; p. 655.
- Fastener. A. W. De Meir. No. 1,239,362; Sept. 4; v. 242; p. 206.
- Fastener. C. E. W. Dow. No. 1,213,599; Jan. 23; v. 234; p. 1215.
- Fastener. W. Gates. No. 1,233,215; July 10; v. 240; p. 587.
- Fastener. C. Green, Jr. No. 1,237,201; Aug. 14; v. 241; p. 568.
- Fastener. F. S. Hazleton. No. 1,243,291; Oct. 16; v. 243; p. 650.
- Fastener. S. B. Jackson. No. 1,251,380; Dec. 25; v. 245; p. 933.
- Fastener. D. Lauer. No. 1,220,435; Mar. 27; v. 236; p. 993.
- Fastener. A. M. Lewis. No. 1,214,799; Feb. 6; v. 235; p. 109.
- Fastener. G. Muller. No. 1,219,415; Mar. 13; v. 236; p. 568.
- Fastener. H. O. Smith. No. 1,219,179; Mar. 13; v. 236; p. 486.
- Fastener, Attached band-. G. H. Taylor. No. 1,241,301; Sept. 25; v. 242; p. 914.
- Fastener-driving machine. E. Craig. No. 1,224,280; May 1; v. 238; p. 60.
- Fastener-inserting machine. S. A. Dobyne. No. 1,245,887; Nov. 6; v. 244; p. 226.
- Fastener-inserting machine. G. Goddu. No. 1,217,089; Feb. 20; v. 235; p. 1000.
- Fastener-inserting machines, Horn for. S. A. Dobyne. No. 1,216,784; Feb. 20; v. 235; p. 898.
- Fastener-inserting machines, Horn for. S. A. Dobyne. No. 1,224,450; May 1; v. 238; p. 121.
- Fastener, Metal. H. Klein. No. 1,237,344; Aug. 21; v. 241; p. 655.
- Fastener or hook and the like. C. E. Reinhardt-Rutland. No. 1,213,540; Jan. 23; v. 234; p. 1194.
- Fastener, Package-. H. V. Hallman. No. 1,234,463; July 24; v. 240; p. 1064.
- Fastener, Separable. L. T. Bulley. No. 1,246,868; Nov. 20; v. 244; p. 581.
- Fastener, Separable. N. P. Geisert. No. 1,247,258; Nov. 20; v. 244; p. 694.
- Fastener, Separable. P. Hudowicz. No. 1,216,571; Feb. 20; v. 235; p. 826.
- Fastener, Separable. G. R. Nettleton. No. 1,214,945; Feb. 6; v. 235; p. 162.
- Fastener, Separable. G. Sundback. No. 1,219,881; Mar. 20; v. 236; p. 760.
- Fastener, Separable. G. Sundback. No. 1,236,783; Aug. 14; v. 241; p. 438.
- Fastener, Separable. G. Sundback. No. 1,236,784; Aug. 14; v. 241; p. 439.
- Fastener, Separable. G. Sundback. No. 1,243,458; Oct. 16; v. 243; p. 700.
- Fastener-setting machine. J. F. Davey. No. 1,244,430; Oct. 23; v. 243; p. 1029.
- Fastener-setting machine. P. R. Glass. No. 1,228,768; June 5; v. 239; p. 135.
- Fastener-setting machine. G. Goddu. No. 1,217,088; Feb. 20; v. 235; p. 999.
- Fastener-setting machine. F. A. Rumney. No. 1,231,201; June 26; v. 239; p. 1071.
- Fastener-setting machine. W. Shaw. No. 1,231,210; June 26; v. 239; p. 1074.
- Fastener, Snap-. S. Anderson. No. 1,241,806; Oct. 2; v. 243; p. 107.
- Fastener, Snap-. H. J. Dobson. No. 1,246,069; Nov. 13; v. 244; p. 307.
- Fastener, Snap-. M. S. Federman. No. 1,217,164; Feb. 27; v. 235; p. 1072.
- Fastener, Snap-. W. J. Galt. No. 1,222,096; Apr. 10; v. 237; p. 414.
- Fastener, Snap-. A. Holstein. No. 1,233,235; July 10; v. 240; p. 592.
- Fastener, Snap-. C. W. Lord. No. 1,235,213; July 31; v. 240; p. 1329.
- Fastener, Snap-. I. Moss. No. 1,242,579; Oct. 9; v. 243; p. 395.
- Fastener, Snap-. F. A. Neider. No. 1,243,859; Oct. 23; v. 243; p. 859.
- Fastener, Snap-. H. R. Sandholzer. No. 1,229,795; June 12; v. 239; p. 527.
- Fastener, Snap-. E. J. Smith. No. 1,236,116; Aug. 7; v. 241; p. 189.
- Fastener, Snap-. W. R. Willetts. No. 1,229,562; June 12; v. 239; p. 451.
- Fastener socket, Snap-. W. J. Galt, Jr. No. 1,220,622; Mar. 27; v. 236; p. 1058.
- Fastener socket, Snap-. W. S. Richardson. No. 1,240,878; Sept. 25; v. 242; p. 779.
- Fastener, Structural. C. W. Wiegand. No. 1,229,365; June 12; v. 239; p. 384.
- Fastener, Stud- and-socket. G. A. McCormack. No. 1,234,359; July 24; v. 240; p. 1030.
- Fastener, Wire-. W. E. Amberg. No. 1,234,112; July 24; v. 240; p. 948.
- Fasteners in paper, Machine for punching and setting. M. Freitag. No. 1,239,382; Sept. 4; v. 242; p. 211.
- Fasteners, Machine for producing corrugated. S. C. Cary and H. H. Brand. No. 1,210,416; Jan. 2; v. 234; p. 13.
- Fasteners, Making snap-. G. E. Prentice. No. 1,214,481; Jan. 30; v. 234; p. 1545.
- Fastening. F. C. Poling. No. 1,231,191; June 26; v. 239; p. 1068.
- Fastening device. C. H. Allen. No. 1,212,308; Jan. 16; v. 234; p. 731.
- Fastening device. E. L. Bruhn. No. 1,249,592; Dec. 11; v. 245; p. 366.
- Fastening device. R. G. Clark. No. 1,226,310; May 15; v. 238; p. 853.
- Fastening device. G. H. Geraerds. No. 1,246,585; Nov. 13; v. 244; p. 463.
- Fastening device. G. L. Guillet. No. 1,212,630; Jan. 16; v. 234; p. 844.
- Fastening device. C. Kositzky. No. 1,218,189; Mar. 6; v. 236; p. 105.
- Fastening device. T. L. Lee. No. 1,213,509; Jan. 23; v. 234; p. 1183.
- Fastening device. D. Marinsky. (Reissue.) No. 14,303; May 15; v. 238; p. 953.
- Fastening device. M. McDonald. No. 1,236,458; Aug. 14; v. 241; p. 329.
- Fastening device. C. J. Pembroke. No. 1,230,021; June 12; v. 239; p. 599.
- Fastening device. H. B. Roberts. No. 1,246,160; Nov. 13; v. 244; p. 334.
- Fastening device. B. Segal. No. 1,234,810; July 31; v. 240; p. 1205.
- Fastening device. J. V. Washburne. No. 1,238,366; Aug. 28; v. 241; p. 1016.
- Fastening device. C. H. Williamson. No. 1,247,772; Nov. 27; v. 244; p. 877.
- Fastening device. G. Wood. No. 1,234,435; July 24; v. 240; p. 1055.
- Fastening device, Wire-. W. B. and A. W. Shriver. No. 1,222,332; Apr. 10; v. 237; p. 498.
- Fastening-inserting machine. J. W. Cosgrove. No. 1,250,285; Dec. 18; v. 245; p. 608.
- Fastening-inserting machine. F. L. MacKenzie. No. 1,225,837; May 15; v. 238; p. 687.
- Fastening-inserting machine. W. Pratt and G. Pegg. No. 1,219,484; Mar. 20; v. 236; p. 621.
- Fastening-inserting machine. W. T. B. Roberts. No. 1,249,671; Dec. 11; v. 245; p. 389.
- Fastening means. L. H. Eggert. No. 1,225,420; May 8; v. 238; p. 505.
- Fastening, Threaded. L. R. Hibbard. No. 1,244,499; Oct. 30; v. 243; p. 1089.
- Fat-recovering apparatus. M. Loeb. No. 1,237,068; Aug. 14; v. 241; p. 529.
- Fat, Separating. M. Loeb. No. 1,237,069; Aug. 14; v. 241; p. 529.
- Fats and oils, Apparatus for the decomposition of. B. E. Reuter. No. 1,227,198; May 22; v. 238; p. 1186.
- Fats and oils, Decomposition of. B. E. Reuter. No. 1,219,485; Mar. 20; v. 236; p. 621.
- Fats, oils, and their derivatives, Bleaching. B. E. Reuter. No. 1,219,486; Mar. 20; v. 236; p. 622.
- Faucet. W. F. Albrecht. No. 1,226,436; May 15; v. 238; p. 892.
- Faucet. W. Amos. No. 1,217,132; Feb. 27; v. 235; p. 1062.
- Faucet. F. J. Bibleheiser, Jr. No. 1,226,175; May 15; v. 238; p. 803.
- Faucet. B. J. Breaux. No. 1,248,251; Nov. 27; v. 244; p. 1010.
- Faucet. B. Hart. No. 1,231,602; July 3; v. 240; p. 22.
- Faucet. N. V. Haughton. No. 1,222,865; Apr. 17; v. 237; p. 725.
- Faucet. G. K. Hoff. No. 1,249,090; Dec. 4; v. 245; p. 192.
- Faucet. G. R. Long. No. 1,238,926; Sept. 4; v. 242; p. 66.
- Faucet. J. A. Nil. No. 1,226,575; May 15; v. 238; p. 935.
- Faucet. F. E. Parr. No. 1,210,527; Jan. 2; v. 234; p. 51.
- Faucet. G. A. Ricks. No. 1,242,864; Oct. 9; v. 243; p. 485.
- Faucet. S. Rosenfeld. No. 1,224,959; May 8; v. 238; p. 347.
- Faucet. W. H. Smith. No. 1,218,962; Mar. 13; v. 236; p. 412.
- Faucet. A. H. Spellmeyer. No. 1,238,843; Sept. 4; v. 242; p. 40.
- Faucet. C. B. Stillwell. No. 1,240,265; Sept. 18; v. 242; p. 556.
- Faucet. T. G. Strater. No. 1,228,846; June 5; v. 239; p. 162.
- Faucet. A. G. Sundell and J. E. Markko. No. 1,224,808; May 1; v. 238; p. 245.
- Faucet and drinking-fountain, Combination. C. F. Rudolph. No. 1,240,260; Sept. 18; v. 242; p. 555.
- Faucet and filter, Combination. L. Procker. No. 1,212,104; Jan. 9; v. 234; p. 626.

- Faucet and hose attachment clamp. M. H. Shoenberg. No. 1,239,732; Sept. 11; v. 242; p. 352.
- Faucet attachment. J. Regar. No. 1,214,220; Jan. 30; v. 234; p. 1455.
- Faucet attachment or fixture. P. F. Silberman. No. 1,217,512; Feb. 27; v. 235; p. 1195.
- Faucet attachment, Receptacle-supporting. C. Mann. No. 1,212,979; Jan. 16; v. 234; p. 966.
- Faucet, Automatic. T. Coonan. No. 1,219,923; Mar. 20; v. 236; p. 774.
- Faucet, Combination-. C. G. Anderson. No. 1,230,978; June 26; v. 239; p. 996.
- Faucet, Combination hot and cold water. W. G. Newton. No. 1,212,806; Jan. 16; v. 234; p. 906.
- Faucet, Dispensing-. J. F. Kaletay. No. 1,233,482; July 17; v. 240; p. 710.
- Faucet-housing. A. Rogers. No. 1,221,093; Apr. 3; v. 237; p. 31.
- Faucet-indicator. J. E. Ward. No. 1,210,738; Jan. 2; v. 234; p. 124.
- Faucet, Measuring-. E. L. Bonnefon. No. 1,219,800; Mar. 20; v. 236; p. 732.
- Faucet, Measuring-. E. R. Brown. No. 1,225,699; May 8; v. 238; p. 598.
- Faucet, Measuring-. H. D. Kelly. No. 1,226,081; May 15; v. 238; p. 772.
- Faucet, Quick-opening. J. Brenton. No. 1,210,893; Jan. 2; v. 234; p. 177.
- Faucet safety attachment. B. Pipe. No. 1,212,102; Jan. 9; v. 234; p. 625.
- Faucet, Self-closing. M. B. Brown. No. 1,229,579; June 12; v. 239; p. 456.
- Faucet, Self-closing. J. T. Marsh. No. 1,235,221; July 31; v. 240; p. 1331.
- Faucet, Water-. A. B. Dodd. No. 1,216,963; Feb. 20; v. 235; p. 958.
- Faucet, Water-. C. T. Miller. No. 1,226,106; May 15; v. 238; p. 780.
- Faucet water-mixer. A. Rosenthal. No. 1,214,221; Jan. 30; v. 234; p. 1455.
- Faucets, Attachment for twin. G. R. Shepherd. No. 1,231,305; June 26; v. 239; p. 1105.
- Faucets, Counting attachment for. A. J. Granberg. No. 1,243,400; Oct. 16; v. 243; p. 682.
- Faucets, Handle mechanism for. L. M. Hooper. No. 1,211,585; Jan. 9; v. 234; p. 447.
- Feather boas and the like, Apparatus for making. C. L. Kaufman. No. 1,222,300; Apr. 10; v. 237; p. 485.
- Feather-eding machine. W. C. Stewart. No. 1,247,893; Nov. 27; v. 244; p. 910.
- Feather-picking machine. O. G. Rieske. No. 1,230,222; June 19; v. 239; p. 705.
- Feather-plucking machine, Pin-. O. G. Rieske. No. 1,220,458; Mar. 27; v. 236; p. 1003.
- Feather-pulling device. F. E. Patton. No. 1,233,904; July 17; v. 240; p. 846.
- Feather-removing device. E. G. Berg. No. 1,217,393; Feb. 27; v. 235; p. 1150.
- Feathers of birds, Machine for plucking the. R. G. Macpherson. No. 1,231,401; June 26; v. 239; p. 1137.
- Feathers, Production of imitation. F. Meditsch. No. 1,246,296; Nov. 13; v. 244; p. 375.
- Feed and medicament trough. J. C. Mendel. No. 1,220,441; Mar. 27; v. 236; p. 996.
- Feed-bag. P. W. Boli. No. 1,229,573; June 12; v. 239; p. 455.
- Feed-bag. D. Du Boe. No. 1,220,502; Mar. 27; v. 236; p. 1016.
- Feed-bag support. H. Ratz. No. 1,235,923; Aug. 7; v. 241; p. 130.
- Feed boiler, Magazine-. W. E. Roys. No. 1,244,375; Oct. 23; v. 243; p. 1012.
- Feed-box. A. Lindquist. No. 1,239,116; Sept. 4; v. 242; p. 128.
- Feed-box. T. Wetzel, Jr. No. 1,228,727; June 5; v. 239; p. 120.
- Feed-cutter. E. Lahti. No. 1,222,110; Apr. 10; v. 237; p. 418.
- Feed device, Suction-operated liquid-. W. Jay. No. 1,244,092; Oct. 23; v. 243; p. 929.
- Feed-gage. S. J. Kubel. No. 1,228,681; June 5; v. 239; p. 104.
- Feed mechanism. E. E. Winkley. No. 1,213,052; Jan. 16; v. 234; p. 990.
- Feed mechanism, Intermittent. R. J. Emory. No. 1,245,693; Nov. 6; v. 244; p. 168.
- Feed-mill. H. G. McCulloch. No. 1,225,449; May 8; v. 238; p. 516.
- Feed-regulator. J. B. Cornwall. No. 1,220,958; Mar. 27; v. 236; p. 1171.
- Feed-regulator. J. H. Dickerson. No. 1,234,532; July 24; v. 240; p. 1086.
- Feed-regulator. M. Morris. No. 1,217,621; Feb. 27; v. 235; p. 1233.
- Feed-regulator. W. B. Newlon. No. 1,233,110; July 10; v. 240; p. 552.
- Feed-regulator. W. Prohaska. No. 1,247,455; Nov. 20; v. 244; p. 749.
- Feed-roller construction. T. A. Coleman. No. 1,241,925; Oct. 2; v. 243; p. 146.
- Feed-rolls, Safety device for. J. A. Frossard. No. 1,245,698; Nov. 6; v. 244; p. 169.
- Feed-screw gage. N. D. Chard. No. 1,235,437; July 31; v. 240; p. 1395.
- Feed-shaft. J. B. Prosser. No. 1,243,100; Oct. 16; v. 243; p. 595.
- Feed-shafts, Automatic key for. I. L. Smith. No. 1,224,334; May 1; v. 238; p. 79.
- Feed Stock. B. A. Berry. No. 1,228,175; May 29; v. 238; p. 1541.
- Feed system, Vacuum-. F. Weinberg. No. 1,242,288; Oct. 9; v. 243; p. 301.
- Feed-trough. N. D. Berry. No. 1,243,689; Oct. 23; v. 243; p. 802.
- Feed-trough. E. Bloom and F. Barth. No. 1,227,524; May 22; v. 238; p. 1293.
- Feed-trough. W. D. Graham. No. 1,240,134; Sept. 11; v. 242; p. 474.
- Feed-trough. M. N. Johnson. No. 1,228,929; June 5; v. 239; p. 187.
- Feed-trough. F. B. Seeling. No. 1,234,496; July 24; v. 240; p. 1074.
- Feed-trough. M. D. Stocking. No. 1,244,256; Oct. 23; v. 243; p. 978.
- Feed-trough. R. S. Weaver. No. 1,242,399; Oct. 9; v. 243; p. 336.
- Feed-trough, Interlocking reversible. J. S. Elder and H. J. Wilson. No. 1,228,421; June 5; v. 239; p. 16.
- Feed-trough switch. G. H. Hart. No. 1,234,542; July 24; v. 240; p. 1089.
- Feed-tube. B. E. Dohner and A. J. Huff. No. 1,227,592; May 29; v. 238; p. 1344.
- Feed-water apparatus. E. Burke. No. 1,242,917; Oct. 16; v. 243; p. 535.
- Feed-water-circulating arrangement for economizers. E. G. Hiller. No. 1,223,976; Apr. 24; v. 237; p. 1142.
- Feed-water control for boilers. O. Fox. No. 1,246,079; Nov. 13; v. 244; p. 309.
- Feed-water heater. C. F. Braun. No. 1,241,190; Sept. 25; v. 242; p. 876.
- Feed-water heater. G. McDowell. No. 1,217,795; Feb. 27; v. 235; p. 1292.
- Feed-water heater. J. B. Stanwood. No. 1,237,722; Aug. 21; v. 241; p. 777.
- Feed-water heater. J. M. Taggart. No. 1,216,747; Feb. 20; v. 235; p. 885.
- Feed-water heater for locomotive-boilers. J. D'Narvarte, N. C. No. 1,223,373; Apr. 24; v. 237; p. 929.
- Feed-water heater or superheater for fire-tube boilers. J. W. Purvis and L. W. Steeves. No. 1,229,787; June 12; v. 239; p. 524.
- Feed-water heating and water-circulating apparatus for locomotive and other boilers. G. H. Willans. No. 1,247,769; Nov. 27; v. 244; p. 875.
- Feed-water-heating apparatus. E. Pelton and S. D. Hopton. No. 1,238,187; Aug. 28; v. 241; p. 957.
- Feed-water injectors, Heating attachment for. E. A. Hill. No. 1,221,989; Apr. 10; v. 237; p. 377.
- Feed-water purifier. O. Iki. No. 1,245,721; Nov. 6; v. 244; p. 175.
- Feed-water regulator and alarm. J. F. Smirz. No. 1,245,809; Nov. 6; v. 244; p. 203.
- Feed-water regulator, Boiler-. W. J. Stevens. No. 1,225,885; May 15; v. 238; p. 703.
- Feed-water system for steam-boilers. W. A. Gibson. No. 1,226,502; May 15; v. 238; p. 913.
- Feed-weighing device for live stock. C. and L. Sand. No. 1,247,158; Nov. 20; v. 244; p. 666.
- Feeder. J. M. Bussey. No. 1,241,706; Oct. 2; v. 243; p. 76.
- Feeder. R. C. Greenfield. No. 1,214,776; Feb. 6; v. 235; p. 102.
- Feeder. W. W. McCandlish. No. 1,234,054; July 17; v. 240; p. 893.
- Feeder. C. G. Pritchard. No. 1,242,978; Oct. 16; v. 243; p. 555.
- Feeder. W. Wilson. No. 1,250,744; Dec. 18; v. 245; p. 746.
- Feeder and water-fountain, Stock-. W. J. Goelzer. No. 1,222,389; Apr. 10; v. 237; p. 518.
- Feeder, Animal-. H. Kamada and T. Ishizuka. No. 1,214,314; Jan. 30; v. 234; p. 1491.
- Feeder, Automatic poultry-. N. Lappas. No. 1,219,114; Mar. 13; v. 236; p. 464.
- Feeder, Chicken-. E. W. Dan. No. 1,211,097; Jan. 2; v. 234; p. 247.
- Feeder, Collapsible hog-. B. J. Kaull. No. 1,246,751; Nov. 13; v. 244; p. 511.
- Feeder for alfalfa hay for hogs, Self-. W. Kohlmeier. No. 1,234,349; July 24; v. 240; p. 1026.
- Feeder, Hog-. E. Gore and G. S. Henson. No. 1,240,437; Sept. 18; v. 242; p. 610.
- Feeder, Hog-. J. J. Tevis. No. 1,230,624; June 19; v. 239; p. 839.
- Feeder, Pneumatic. S. Williams. No. 1,235,406; July 31; v. 240; p. 1387.
- Feeder, Poultry-. J. F. Bower. No. 1,216,203; Feb. 13; v. 235; p. 644.
- Feeder, Poultry-. F. Euker. No. 1,214,145; Jan. 30; v. 234; p. 1430.
- Feeder, Poultry-. W. J. Gallagher. No. 1,217,438; Feb. 27; v. 235; p. 1167.
- Feeder, Poultry-. M. L. Knodle. No. 1,249,774; Dec. 11; v. 245; p. 420.
- Feeder, Stock-. E. E. Dawson. No. 1,226,474; May 15; v. 238; p. 904.
- Feeder, Stock-. J. K. McCormick. No. 1,222,556; Apr. 10; v. 237; p. 577.

Alphabetical list of inventions—Continued.

- Feeder, Suction-. M. Davis. No. 1,245,883; Nov. 6; v. 244; p. 224.
- Feeding and distributing apparatus. A. Sonsthagen. No. 1,249,294; Dec. 4; v. 245; p. 251.
- Feeding and filling machine. M. Sleeth. No. 1,217,847; Feb. 27; v. 235; p. 1309.
- Feeding and guiding mechanism. J. H. Brown. No. 1,217,856; Feb. 27; v. 235; p. 1312.
- Feeding and severing mechanism. A. J. Kusterer and C. Sanders. No. 1,218,418; Mar. 6; v. 236; p. 184.
- Feeding and transferring mechanism. C. F. Pfange. No. 1,230,771; June 19; v. 239; p. 887.
- Feeding apparatus, Stock-. F. E. Bass. No. 1,216,050; Feb. 13; v. 235; p. 590.
- Feeding device. S. L. Denney. No. 1,228,301; May 29; v. 238; p. 1582.
- Feeding device. J. I. Holcomb. No. 1,216,120; Feb. 13; v. 235; p. 614.
- Feeding device. I. Imbert. No. 1,241,388; Sept. 25; v. 242; p. 939.
- Feeding device. E. J. Rood. No. 1,249,832; Dec. 11; v. 245; p. 438.
- Feeding device. L. H. Thullen. No. 1,221,391; Apr. 3; v. 237; p. 137.
- Feeding device, Animal-. T. Fouts. No. 1,233,213; July 10; v. 240; p. 586.
- Feeding device, Animal-. E. S. Johnson. No. 1,249,765; Dec. 11; v. 245; p. 417.
- Feeding device, Child's. W. H. Eldridge. No. 1,242,785; Oct. 9; v. 243; p. 459.
- Feeding device, Hog-. J. E. Stevens. No. 1,238,212; Aug. 28; v. 241; p. 965.
- Feeding device, Poultry-. G. W. Knoll, Jr. No. 1,239,404; Sept. 4; v. 242; p. 218.
- Feeding machine, Automatic chicken-. A. C. Berntzen. No. 1,214,881; Feb. 6; v. 235; p. 138.
- Feeding machine, Stock-. A. F. Meyer. No. 1,212,144; Jan. 9; v. 234; p. 641.
- Feeding machines, Slow-down and sheet-straightener for. T. E. Breen and G. A. Martin. No. 1,231,559; July 3; v. 240; p. 6.
- Feeding mechanism. G. J. Blum. No. 1,214,884; Feb. 6; v. 235; p. 139.
- Feeding mechanism. G. Littleford. No. 1,229,987; June 12; v. 239; p. 589.
- Feeding mechanism. E. B. Snyder. No. 1,217,650; Feb. 27; v. 235; p. 1244.
- Feeding mechanism. H. J. Stehli. No. 1,215,739; Feb. 13; v. 235; p. 476.
- Feeding mechanism. H. Synck and B. B. Rollman. No. 1,218,491; Mar. 6; v. 236; p. 207.
- Feeding mechanism, Stock-. L. M. Waite. No. 1,231,315; June 26; v. 239; p. 1108.
- Feeding or conveying mechanism. G. White. No. 1,226,932; May 22; v. 238; p. 1094.
- Feeding-roller construction. T. C. Morris. No. 1,242,020; Oct. 2; v. 243; p. 176.
- Feeding sanitary tub for stock, Slow-. J. T. Smalley. No. 1,215,725; Feb. 13; v. 235; p. 472.
- Feeding-trough. W. A. McCollough. No. 1,240,864; Sept. 25; v. 242; p. 775.
- Feeding-trough, Slidable. W. A. McCollough. No. 1,212,142; Jan. 9; v. 234; p. 640.
- Feldspar and other potash-bearing silicious minerals, Decomposing. W. H. Gillen. No. 1,215,518; Feb. 13; v. 235; p. 396.
- Feldspar, feldspathic rock, and similar material, Treating. W. Glaeser. No. 1,239,787; Sept. 11; v. 242; p. 369.
- Feldspar, Utilizing. J. G. A. Rhodin. No. 1,232,977; July 10; v. 240; p. 510.
- Felt filler-form, Impregnated-. R. W. Sexton. No. 1,224,674; May 1; v. 238; p. 199.
- Felt-stretching machine. J. A. Butler. No. 1,238,742; Sept. 4; v. 242; p. 7.
- Felt to channels, Machine for applying. A. Gagnon. No. 1,243,728; Oct. 23; v. 243; p. 817.
- Felt, Vegetable and mineral fiber. H. Von Uffel. No. 1,237,000; Aug. 14; v. 241; p. 507.
- Fence. E. F. Barnes. No. 1,251,168; Dec. 25; v. 245; p. 921.
- Fence. C. F. Buente. No. 1,236,048; Aug. 7; v. 241; p. 170.
- Fence. R. Hassett. No. 1,233,230; July 10; v. 240; p. 591.
- Fence. M. Lachman. No. 1,236,185; Aug. 7; v. 241; p. 211.
- Fence. G. A. Lefort. No. 1,232,575; July 10; v. 240; p. 378.
- Fence. A. J. McClees. No. 1,244,623; Oct. 30; v. 243; p. 1127.
- Fence-. R. C. Neely. No. 1,214,705; Feb. 6; v. 235; p. 79.
- Fence. W. P. Scofield. No. 1,228,062; May 29; v. 238; p. 1506.
- Fence-anchor. V. Rivinoja. No. 1,249,200; Dec. 4; v. 245; p. 223.
- Fence attachment. J. A. Blank. No. 1,211,059; Jan. 2; v. 234; p. 236.
- Fence-clamp. J. Hascall. No. 1,219,395; Mar. 13; v. 236; p. 561.
- Fence clamp, Wire-. W. M. Nolin and G. F. Patrick. No. 1,248,529; Dec. 4; v. 245; p. 29.
- Fence, Farm-. P. Tataryn. No. 1,228,717; June 5; v. 239; p. 117.
- Fence-gate. J. F. Cassman. No. 1,212,015; Jan. 9; v. 234; p. 598.
- Fence, Gradable. M. Lachman. No. 1,234,674; July 24; v. 240; p. 1129.
- Fence, Gradable. L. S. Lachman. No. 1,235,333; July 31; v. 240; p. 1366.
- Fence machine, Wire-. J. W. Diggins. No. 1,215,353; Feb. 13; v. 235; p. 837.
- Fence machine, Wire-. T. and E. Kavalas. No. 1,227,272; May 22; v. 238; p. 1211.
- Fence machines, Feed mechanism for wire-. W. V. Reid. No. 1,242,594; Oct. 9; v. 243; p. 399.
- Fence machines, Feeding mechanism for wire-. W. V. Reid. No. 1,242,595; Oct. 9; v. 243; p. 399.
- Fence, Metallic. T. M. Daniels. No. 1,236,150; Aug. 7; v. 241; p. 199.
- Fence, Non-climbable. S. C. Arthur. No. 1,237,601; Aug. 21; v. 241; p. 736.
- Fence, Portable. R. W. Follmer. No. 1,235,021; July 31; v. 240; p. 1272.
- Fence, Portable. J. A. Ryker. No. 1,210,541; Jan. 2; v. 234; p. 57.
- Fence-post. B. Anderson. No. 1,234,113; July 24; v. 240; p. 948.
- Fence-post. S. H. Campbell. No. 1,226,465; May 15; v. 238; p. 901.
- Fence-post. L. H. Felker. No. 1,221,983; Apr. 10; v. 237; p. 375.
- Fence-post. W. T. Hicks. No. 1,244,607; Oct. 30; v. 243; p. 1122.
- Fence-post. P. J. Hindmarsh. No. 1,224,927; May 8; v. 238; p. 338.
- Fence-post. C. W. McLeod. No. 1,236,095; Aug. 7; v. 241; p. 182.
- Fence-post. G. E. Mesecar. No. 1,239,120; Sept. 4; v. 242; p. 129.
- Fence-post. J. S. Miller. No. 1,235,830; Aug. 7; v. 241; p. 98.
- Fence-post. A. Montel. No. 1,250,617; Dec. 18; v. 245; p. 708.
- Fence-post. P. O. Schilling. No. 1,235,845; Aug. 7; v. 241; p. 103.
- Fence-post. R. A. Selway. No. 1,226,602; May 15; v. 238; p. 942.
- Fence-post anchor. P. J. Hindmarsh. No. 1,214,679; Feb. 6; v. 235; p. 69.
- Fence-post anchor. P. J. Hindmarsh. No. 1,224,926; May 8; v. 238; p. 337.
- Fence, Post-and-bar. F. A. Emerick. No. 1,215,356; Feb. 13; v. 235; p. 338.
- Fence post and stretcher. F. Novess. No. 1,250,631; Dec. 18; v. 245; p. 712.
- Fence-post-brace clamp. A. W. Sprague. No. 1,249,848; Dec. 11; v. 245; p. 442.
- Fence-post-brace construction. R. A. Selway. No. 1,221,481; Apr. 3; v. 237; p. 168.
- Fence-post, Concrete. L. C. Perry. No. 1,249,186; Dec. 4; v. 245; p. 218.
- Fence-post, Metal. R. C. Knopke. No. 1,237,654; Aug. 21; v. 241; p. 754.
- Fence-post-molding apparatus. D. W. Bowe. No. 1,216,934; Feb. 20; v. 235; p. 948.
- Fence-posts, Wire-clamp for. J. P. Smith. No. 1,243,884; Oct. 23; v. 243; p. 867.
- Fence-stay anchor-rod and lightning-rod, Standard. L. Alverson. No. 1,222,255; Apr. 10; v. 237; p. 470.
- Fence stay, Wire-. H. Miller. No. 1,237,671; Aug. 21; v. 241; p. 760.
- Fence stays, Machine for forming wire-. G. F. Kriesel. No. 1,228,031; May 29; v. 238; p. 1495.
- Fence-stretcher. R. E. L. Freese. No. 1,224,627; May 1; v. 238; p. 182.
- Fence stretcher, Wire-. J. P. Mattox. No. 1,223,709; Apr. 24; v. 237; p. 1050.
- Fence stretcher, Wire-. J. Williams. No. 1,220,040; Mar. 20; v. 236; p. 814.
- Fence tightener and post-anchor, Wire-. J. W. Olson. No. 1,213,125; Jan. 16; v. 234; p. 1016.
- Fence-tightening post. N. F. Howard. No. 1,213,768; Jan. 23; v. 234; p. 1270.
- Fence, Wire-. A. G. Johnson. No. 1,250,184; Dec. 18; v. 245; p. 578.
- Fence-wire and the like, Reel device for barb. R. W. Winchell. No. 1,215,454; Feb. 13; v. 235; p. 372.
- Fence-wire fastener. J. C. Ford. No. 1,215,641; Feb. 13; v. 235; p. 443.
- Fencing-wire fastener. G. Hutchinson. No. 1,213,201; Jan. 23; v. 234; p. 1075.
- Fence-wire holder. M. H. Haurum. No. 1,235,467; July 31; v. 240; p. 1404.
- Fence-wire joint. W. E. Boyer. No. 1,225,216; May 8; v. 238; p. 434.
- Fencing-dropper. G. Hutchinson. No. 1,234,167; July 24; v. 240; p. 967.
- Fender: See—
- Auto-fender. Plow-fender.
- Automobile-fender. Safety-fender.
- Autotruck-fender. Submarine-fender.
- Car-fender. Truck-fender.
- Car safety-fender. Vehicle-fender.
- Clod-fender. Wheel-fender.
- Fender. A. M. Burton. No. 1,230,463; June 19; v. 239; p. 785.

- Fender. M. Ihnat. No. 1,238,677; Aug. 28; v. 241; p. 1114.
- Fender. M. Ihnat. No. 1,240,216; Sept. 18; v. 242; p. 541.
- Fender. E. E. Jones. No. 1,217,605; Feb. 27; v. 235; p. 1227.
- Fender. A. H. Jurk. No. 1,220,134; Mar. 20; v. 236; p. 851.
- Fender. F. Lillich. No. 1,222,877; Apr. 17; v. 237; p. 730.
- Fender. F. Lillich. No. 1,239,705; Sept. 11; v. 242; p. 343.
- Fender. P. Napier. No. 1,219,844; Mar. 20; v. 236; p. 747.
- Fender. R. M. Perry. No. 1,249,475; Dec. 11; v. 245; p. 333.
- Fender. S. Smith and R. J. Galvin. No. 1,242,612; Oct. 9; v. 243; p. 405.
- Fender. H. A. Suttle. No. 1,251,441; Dec. 25; v. 245; p. 1001.
- Fender and tail light system. H. A. Lacerda. No. 1,213,505; Jan. 23; v. 234; p. 1181.
- Fender-brace. C. Christiansen. No. 1,240,942; Sept. 25; v. 242; p. 799.
- Ferro-silicon of high-silicon content in blast-furnaces, Producing. J. E. Johnson, Jr. No. 1,231,260; June 26; v. 239; p. 1090.
- Ferro-uranium, Manufacturing. R. M. Keeney and L. F. Vogt. No. 1,240,056; Sept. 11; v. 242; p. 451.
- Ferrophosphorus from nelsonite, Producing. J. J. Gray, Jr. No. 1,216,305; Feb. 20; v. 235; p. 732.
- Ferrophosphorus, Making. J. J. Gray, Jr. No. 1,220,416; Mar. 27; v. 236; p. 986.
- Ferrule, Calking-. C. E. Tomppert. No. 1,238,458; Aug. 28; v. 241; p. 1046.
- Ferrule for wooden handles, Reinforced. E. J. Renkenberger. No. 1,250,508; Dec. 18; v. 245; p. 675.
- Fertilizer and making same. E. C. L. Kressel. No. 1,225,825; May 15; v. 238; p. 684.
- Fertilizer and the manufacture thereof. F. J. Nash. No. 1,228,587; June 5; v. 239; p. 72.
- Fertilizer composition. J. G. Lipman. No. 1,235,906; Aug. 7; v. 241; p. 123.
- Fertilizer composition and making same. G. H. Earp-Thomas. No. 1,212,196; Jan. 16; v. 234; p. 688.
- Fertilizer-distributor. W. B. Bayley. No. 1,216,051; Feb. 13; v. 235; p. 590.
- Fertilizer-distributor. W. W. Birnstock. No. 1,218,361; Mar. 6; v. 236; p. 165.
- Fertilizer-distributor. L. A. Brumley. No. 1,213,737; Jan. 23; v. 234; p. 1260.
- Fertilizer-distributor. J. W. and J. Cade. No. 1,224,520; May 1; v. 238; p. 145.
- Fertilizer-distributor. S. H. Garst. No. 1,210,636; Jan. 2; v. 234; p. 90.
- Fertilizer-distributor. W. E. Gilroy. No. 1,230,069; June 12; v. 239; p. 615.
- Fertilizer-distributor. R. B. Goodson. No. 1,217,863; Feb. 27; v. 235; p. 1314.
- Fertilizer-distributor. W. D. Haines. No. 1,251,225; Dec. 25; v. 245; p. 937.
- Fertilizer-distributor. C. R. Kelly. No. 1,221,742; Apr. 3; v. 237; p. 256.
- Fertilizer-distributor. J. L. Mask and T. F. Maddox. No. 1,238,170; Aug. 28; v. 241; p. 952.
- Fertilizer-distributor. A. McWhorter. No. 1,220,249; Mar. 27; v. 236; p. 926.
- Fertilizer-distributor. C. W. Robinson. No. 1,231,199; June 26; v. 239; p. 1071.
- Fertilizer-distributor. J. F. Rude. No. 1,222,208; Apr. 10; v. 237; p. 453.
- Fertilizer-distributor. J. A. Sharp. No. 1,225,873; May 15; v. 238; p. 699.
- Fertilizer-distributor. M. D. Turbeville. No. 1,227,701; May 29; v. 238; p. 1382.
- Fertilizer-distributor and planter. L. Mehlberger. No. 1,215,955; Feb. 13; v. 235; p. 555.
- Fertilizer-distributor and planter. H. S. Smith. No. 1,242,061; Oct. 2; v. 243; p. 188.
- Fertilizer-distributor, Liquid-. J. H. Huffstutter. No. 1,213,647; Jan. 23; v. 234; p. 1230.
- Fertilizer distributor, Liquid-. R. Shaffer. No. 1,245,626; Nov. 6; v. 244; p. 147.
- Fertilizer-distributors, Discharge-tube for. O. F. Kerr. No. 1,219,823; Mar. 20; v. 236; p. 740.
- Fertilizer-distributors, Intermittent feeding mechanism for. C. R. Davis. No. 1,219,087; Mar. 13; v. 236; p. 455.
- Fertilizer-distributors, Spreader attachment for. H. Synck. No. 1,213,554; Jan. 23; v. 234; p. 1200.
- Fertilizer-distributors, Spreader for. H. Synck. No. 1,248,032; Nov. 27; v. 244; p. 948.
- Fertilizer-distributors, Wide-spreading device for. G. G. Hunt. No. 1,221,863; Apr. 10; v. 237; p. 332.
- Fertilizer-distributing apparatus. J. L. Townsend. No. 1,213,711; Jan. 23; v. 234; p. 1252.
- Fertilizer-dropper. R. L. Ford. No. 1,237,629; Aug. 21; v. 241; p. 745.
- Fertilizer from peat, Making. J. J. A. De Whalley. No. 1,221,979; Apr. 10; v. 237; p. 373.
- Fertilizer, Making. J. E. Zilk. No. 1,247,059; Nov. 20; v. 244; p. 637.
- Fertilizer material, Producing. W. W. Haughey. No. 1,232,032; July 3; v. 240; p. 167.
- Fertilizer out of Steffens waste water, &c., Manufacturing. E. Herzka. No. 1,212,484; Jan. 16; v. 234; p. 791.
- Fertilizer, Preparation of a phosphate. V. Volpato. No. 1,229,684; June 12; v. 239; p. 492.
- Fertilizers from silicates, Producing. L. L. Jackson. No. 1,232,553; July 10; v. 240; p. 371.
- Fertilizers, Making. J. E. Zilk. No. 1,236,812; Aug. 14; v. 241; p. 448.
- Fertilizers, Manufacture of. D. Shields. No. 1,212,573; Jan. 16; v. 234; p. 824.
- Fertilizers, Manufacturing. W. D. Richardson. No. 1,232,452; July 3; v. 240; p. 302.
- Fiber-breaking machine. J. Hubler. No. 1,224,929; May 8; v. 238; p. 338.
- Fiber-cleaning machine. W. R. Johnson. No. 1,224,648; May 1; v. 238; p. 189.
- Fiber from fibrous plants and for treating the same, Apparatus for obtaining. H. J. Boeken. No. 1,244,461; Oct. 30; v. 243; p. 1077.
- Fiber product. J. McIntosh. No. 1,236,461; Aug. 14; v. 241; p. 321.
- Fiber product, Making. J. McIntosh. No. 1,236,959; Aug. 14; v. 241; p. 494.
- Fiber sheet, Semimetallic. L. L. Ryan. No. 1,215,064; Feb. 6; v. 235; p. 205.
- Fiber-treating machine. C. M. Greising. No. 1,225,804; May 15; v. 238; p. 677.
- Fiber-treating machine. C. F. Logan. No. 1,238,310; Aug. 28; v. 241; p. 998.
- Fiber-treating machine. C. F. Logan. No. 1,249,788; Dec. 11; v. 245; p. 425.
- Fiber-treating machine. T. A. Morris. No. 1,221,358; Apr. 3; v. 237; p. 126.
- Fibers, Producing fast tints on animal. G. Engl, A. Grob, and F. Straub. No. 1,227,406; May 22; v. 238; p. 1253.
- Fibers to increase their coefficient of friction on each other, Treatment of. W. E. Muntz. No. 1,232,374; July 3; v. 240; p. 279.
- Fibers, Treatment of vulcanized. T. Oye. No. 1,234,377; July 24; v. 240; p. 1036.
- Fibers with endless belts, Mechanism for drawing. F. Casablancas. No. 1,240,670; Sept. 18; v. 242; p. 681.
- Fibrous and other bodies, Apparatus for conditioning and dehydrating. G. H. Benjamin. No. 1,225,211; May 8; v. 238; p. 432.
- Fibrous composition, Manufacturing. J. C. Woodley. No. 1,240,524; Sept. 18; v. 242; p. 637.
- Fibrous material from rice-straw, Producing. J. K. Toles. No. 1,235,258; July 31; v. 240; p. 1343.
- Fibrous material, Making. F. T. Lahey. No. 1,233,252; July 10; v. 240; p. 597.
- Fibrous material of construction. M. J. O'Malley. No. 1,233,801; July 17; v. 240; p. 812.
- Fibrous material, Separating impurities from waste. J. J. Werst. No. 1,249,575; Dec. 11; v. 245; p. 361.
- Fibrous materials, Feeder for. W. S. Kinsley. No. 1,235,328; July 31; v. 240; p. 1364.
- Field-coil support. J. L. M. Yardley. No. 1,238,243; Aug. 28; v. 241; p. 975.
- Field-coils, Driving attachment for. F. J. Coupal. No. 1,215,001; Feb. 6; v. 235; p. 184.
- Field-control switch. W. A. Atwood. No. 1,229,014; June 5; v. 239; p. 215.
- Fifth-wheel or coupling-gear. C. H. Jenkins. No. 1,225,637; May 8; v. 238; p. 577.
- Fifth-wheel, Vehicle. W. O. Shadbolt. No. 1,245,277; Nov. 6; v. 244; p. 40.
- Fifth-wheel, Vehicle. W. O. Shadbolt. No. 1,213,280; Jan. 23; v. 234; p. 1103.
- Figs for use in making a beverage, Curing. M. Varjebedian. No. 1,218,914; Mar. 13; v. 236; p. 397.
- Figure, Motion-. W. Stephens. No. 1,216,874; Feb. 20; v. 235; p. 928.
- Figurehead. I. B. Thurman. No. 1,224,044; Apr. 24; v. 237; p. 1164.
- Filament. B. L. Benbow. No. 1,247,068; Nov. 20; v. 244; p. 639.
- Filament, Ductile. O. M. Thowless. No. 1,226,925; May 22; v. 238; p. 1092.
- Filament for incandescent bulbs. A. S. Moffat. No. 1,222,119; Apr. 10; v. 237; p. 421.
- Filament-support-wire-inserting machine. T. W. Frech, Jr., and J. T. Fagan. No. 1,220,836; Mar. 27; v. 236; p. 1132.
- Filaments and vulcanizable plastics, Manufacture of articles embodying fibrous. R. B. Price. No. 1,211,228; Jan. 2; v. 234; p. 293.
- Filaments, fibers, or threads, Finishing animal. H. R. Anders. No. 1,210,394; Jan. 2; v. 234; p. 4.
- File. W. Mayfield. No. 1,212,083; Jan. 9; v. 234; p. 619.
- File. A. T. Niswanger. No. 1,246,310; Nov. 13; v. 244; p. 379.
- File, Accounting-. W. E. Burks. No. 1,220,601; Mar. 27; v. 236; p. 1051.
- File and binder, Paper. T. P. Siebenmann. No. 1,223,003; Apr. 17; v. 237; p. 772.
- File and mailing-card, Combined bill-. C. J. Kortz. No. 1,217,962; Mar. 6; v. 236; p. 26.
- File and rasp cutting tool. T. F. Downey. No. 1,221,845; Apr. 10; v. 237; p. 326.

Alphabetical list of inventions—Continued.

- File, Bill-. G. Huntly. No. 1,226,522; May 15; v. 238; p. 918.
- File, binder, or the like. W. A. Cooke, Jr. No. 1,219,705; Mar. 20; v. 236; p. 699.
- File, binder, or the like. W. A. Cooke, Jr. No. 1,222,073; Apr. 10; v. 237; p. 405.
- File, binder, or the like. W. A. Cooke, Jr. No. 1,222,074; Apr. 10; v. 237; p. 405.
- File, binder, or the like. W. A. Cooke. No. 1,222,075; Apr. 10; v. 237; p. 405.
- File-box. E. F. Bredehoff. No. 1,228,743; June 5; v. 239; p. 126.
- File-cleaning implement. E. D. McMellen. No. 1,242,710; Oct. 9; v. 243; p. 436.
- File, Document-. G. C. Parsons. No. 1,214,213; Jan. 30; v. 234; p. 1453.
- File, Guide-. H. V. Martin. No. 1,221,884; Apr. 10; v. 237; p. 340.
- File-handle. J. M. Fleshman. No. 1,220,406; Mar. 27; v. 236; p. 983.
- File handle or holder. O. L. Heckmann. No. 1,231,884; July 3; v. 240; p. 118.
- File handle, Surfacing-. G. S. Nickum. No. 1,233,598; July 17; v. 240; p. 750.
- File-holder. E. P. Stoltz. No. 1,219,603; Mar. 20; v. 236; p. 663.
- File, Letter-. H. K. Kiso. No. 1,240,058; Sept. 11; v. 242; p. 451.
- File or account register. F. Molnett. No. 1,235,533; July 31; v. 240; p. 1426.
- File or the like, Letter-. W. A. Cooke, Jr. No. 1,222,076; Apr. 10; v. 237; p. 406.
- File, Paper-. N. V. Jensen. No. 1,213,378; Jan. 23; v. 234; p. 1139.
- File, Paper-. J. M. Miller. No. 1,249,164; Dec. 4; v. 245; p. 212.
- File, Safety card-record. S. Tipperman. No. 1,231,812; July 3; v. 240; p. 94.
- File, Vertical. C. I. Wagner. No. 1,229,552; June 12; v. 239; p. 447.
- Filing apparatus. K. Kiefer. No. 1,227,628; May 29; v. 238; p. 1357.
- Filing apparatus, Card-. W. F. Harper. No. 1,245,713; Nov. 6; v. 244; p. 173.
- Filing apparatus, Multiple. F. C. Helmuth. No. 1,213,362; Jan. 23; v. 234; p. 1133.
- Filing appliance. H. J. Hick. No. 1,227,550; May 22; v. 238; p. 1301.
- Filing appliance. H. J. Hick. No. 1,227,785; May 29; v. 238; p. 1410.
- Filing appliance. H. J. Hick. No. 1,228,021; May 29; v. 238; p. 1491.
- Filing appliance. H. J. Hick. No. 1,234,025; July 17; v. 240; p. 885.
- Filing appliance. H. J. Hick. No. 1,242,694; Oct. 9; v. 243; p. 431.
- Filing appliance. G. Jacobs. No. 1,214,681; Feb. 6; v. 235; p. 70.
- Filing appliance. E. T. Silvius. No. 1,218,484; Mar. 6; v. 236; p. 205.
- Filing appliance. E. T. Silvius. No. 1,231,798; July 3; v. 240; p. 88.
- Filing appliance. E. T. Silvius. No. 1,244,906; Oct. 30; v. 243; p. 1213.
- Filing appliance. H. B. White. No. 1,223,228; Apr. 17; v. 237; p. 848.
- Filing-appliance case. H. J. Hick. No. 1,242,440; Oct. 9; v. 243; p. 348.
- Filing-block and sawing-board. Combination. H. E. Stillmans. No. 1,211,888; Jan. 9; v. 234; p. 554.
- Filing-box. W. A. Blood. No. 1,244,694; Oct. 30; v. 243; p. 1148.
- Filing-box, Sheet-metal. E. Ohnstrand. No. 1,213,240; Jan. 23; v. 234; p. 1089.
- Filing-cabinet. J. C. Dando. No. 1,231,134; June 26; v. 239; p. 1050.
- Filing-cabinet. J. P. Eisenhauer. No. 1,246,072; Nov. 13; v. 244; p. 307.
- Filing-cabinet. W. G. Goodney. No. 1,218,853; Mar. 13; v. 236; p. 376.
- Filing-cabinet. M. Perreten. No. 1,225,170; May 8; v. 238; p. 419.
- Filing-cabinet. C. B. Ulrich. No. 1,227,704; May 29; v. 238; p. 1383.
- Filing-cabinet. A. J. Watson. No. 1,211,798; Jan. 9; v. 234; p. 520.
- Filing-cabinet follower. D. A. Carlson, R. F. Underwood, and C. D. Jaderstrom. No. 1,227,749; May 29; v. 238; p. 1399.
- Filing-cabinet for disk records. A. C. Bolton. No. 1,231,326; June 26; v. 239; p. 1112.
- Filing cabinet, Plat-. B. J. Tucker and J. L. Potts. No. 1,217,243; Feb. 27; v. 235; p. 1098.
- Filing cabinet, Rubber-stamp-. H. W. Roberts. No. 1,249,503; Dec. 11; v. 245; p. 341.
- Filing-cabinet, Sectional. D. E. Hunter. No. 1,240,851; Sept. 25; v. 242; p. 771.
- Filing-cabinets, Follower for. C. E. Roycroft. No. 1,237,824; Aug. 21; v. 241; p. 807.
- Filing-cabinets, Index-card drawer for. R. E. Green. No. 1,215,646; Feb. 13; v. 235; p. 446.
- Filing-case. E. E. De Burger. No. 1,242,101; Oct. 2; v. 243; p. 200.
- Filing case, Record-. H. Jerum. No. 1,250,887; Dec. 18; v. 245; p. 788.
- Filing-cases, Follower-block for. J. Hatfield. No. 1,231,154; June 26; v. 239; p. 1056.
- Filing device. W. L. Deming. No. 1,223,857; Apr. 24; v. 237; p. 1102.
- Filing device. A. A. Fairchild. No. 1,236,415; Aug. 14; v. 241; p. 316.
- Filing device. S. E. Trout. No. 1,216,017; Feb. 13; v. 235; p. 577.
- Filing device. S. E. Trout. No. 1,221,631; Apr. 3; v. 237; p. 219.
- Filing device, Card-. E. Strassel. No. 1,247,347; Nov. 20; v. 244; p. 719.
- Filing-machine. R. O. Gilburg. No. 1,249,741; Dec. 11; v. 245; p. 410.
- Filing-machine. W. D. Rearwin. No. 1,230,779; June 19; v. 239; p. 889.
- Filing machine and equalizer for band and other saws of like construction, Side-. J. H. Robbins. No. 1,242,726; Oct. 9; v. 242; p. 440.
- Filing of records, letters, and other documents. A. Vesterling. No. 1,231,816; July 3; v. 240; p. 95.
- Filing system. S. E. Trout. No. 1,224,976; May 8; v. 238; p. 354.
- Filing system and outfit, Alphabetic. W. F. Schmidt. No. 1,232,076; July 3; v. 240; p. 190.
- Filing system for correspondence and the like. W. Whitman. No. 1,247,767; Nov. 27; v. 244; p. 874.
- Filing-table for tubes. P. B. Newman. No. 1,224,562; May 1; v. 238; p. 160.
- Filing-trays, Follower for. F. L. Manny. No. 1,226,790; May 22; v. 238; p. 1047.
- Filing-trays, Follower for. F. L. Manny. No. 1,226,791; May 22; v. 238; p. 1048.
- Filling apparatus. K. Kiefer. No. 1,216,574; Feb. 20; v. 235; p. 827.
- Filling apparatus. W. Rose. No. 1,223,293; Apr. 17; v. 237; p. 868.
- Filling device. C. H. Hawkins. No. 1,222,759; Apr. 17; v. 237; p. 689.
- Filling-feeler mechanism. C. H. Draper and J. Northrop. No. 1,249,047; Dec. 4; v. 245; p. 179.
- Filling-feeler mechanism. C. H. Draper and J. Northrop. No. 1,249,277; Dec. 4; v. 245; p. 245.
- Filling-feeler mechanism. J. Northrop. No. 1,249,280; Dec. 4; v. 245; p. 247.
- Filling-feeler mechanism. J. Northrop. No. 1,249,281; Dec. 4; v. 245; p. 247.
- Filling-feeler mechanism. J. Northrop. No. 1,249,282; Dec. 4; v. 245; p. 247.
- Filling for cushions and the like. B. H. Blocksom. No. 1,248,066; Nov. 27; v. 244; p. 957.
- Filling-machine. E. E. Kallenbach. No. 1,248,339; Nov. 27; v. 244; p. 1035.
- Filling-machine. F. W. Letsch. No. 1,227,807; May 29; v. 238; p. 1418.
- Filling-machine. W. Munn. No. 1,233,261; July 10; v. 240; p. 600.
- Filling-machine. C. Redd. No. 1,218,315; Mar. 6; v. 236; p. 150.
- Filling-machine. F. C. Smith. No. 1,226,714; May 22; v. 238; p. 1020.
- Filling-machine. G. Weiss. No. 1,224,249; May 1; v. 238; p. 48.
- Filling machine, Valve-bag-. A. M. Bates. No. 1,248,061; Nov. 27; v. 244; p. 955.
- Film-actuating shuttle and teeth. A. S. Howell. No. 1,238,520; Aug. 28; v. 241; p. 1066.
- Film and photographic drier. W. H. Morgan. No. 1,250,618; Dec. 18; v. 245; p. 709.
- Film and producing same. L. Lillienfeld. No. 1,217,027; Feb. 20; v. 235; p. 980.
- Film binder and protector, Combined. J. L. Ritchie and G. L. Yaste. No. 1,229,139; June 5; v. 239; p. 257.
- Film-case. E. A. Rupert. No. 1,231,945; July 3; v. 240; p. 137.
- Film-clasp. J. R. Dunavant. No. 1,216,967; Feb. 20; v. 235; p. 959.
- Film-cleaning apparatus. C. De Moos. No. 1,219,712; Mar. 20; v. 236; p. 701.
- Film-cleaning device. A. S. Howell. No. 1,237,047; Aug. 14; v. 241; p. 523.
- Film control, Automatic. H. H. Heckman. No. 1,237,333; Aug. 21; v. 241; p. 651.
- Film-controlling device, Pneumatic. A. S. Howell. No. 1,231,360; June 26; v. 239; p. 1123.
- Film-cutting indicator. J. Altschuler and D. Isnow. No. 1,245,420; Nov. 6; v. 244; p. 83.
- Film-developing apparatus. D. R. Winslow. No. 1,245,848; Nov. 6; v. 244; p. 215.
- Film-developing apparatus, Roll-. R. Kroedel. No. 1,251,052; Dec. 25; v. 245; p. 887.
- Film-developing device, Roll-. L. W. Kelsay. No. 1,212,498; Jan. 16; v. 234; p. 796.
- Film-feed, Automatic. C. Spiro. No. 1,235,073; July 31; v. 240; p. 1287.
- Film-feeding mechanism. H. Csanyi. No. 1,241,200; Sept. 25; v. 242; p. 879.
- Film-feeding mechanism, Intermittent. H. M. Conner and D. D. Miles. No. 1,227,887; May 29; v. 238; p. 1446.
- Film for use in color cinematography. J. E. Thornton. No. 1,250,713; Dec. 18; v. 245; p. 736.

- Film frames, Loading device for cut-. A. M. Schoenberg. No. 1,237,563; Aug. 21; v. 241; p. 724.
- Film-handling apparatus. G. R. Macomber. No. 1,238,694; Aug. 28; v. 241; p. 1118.
- Film-handling device. C. F. Jenkins. No. 1,234,545; July 24; v. 240; p. 1090.
- Film-holder. F. W. Pratt. No. 1,234,800; July 31; v. 240; p. 1202.
- Film holder, Cut-. A. M. Schoenberg. No. 1,237,562; Aug. 21; v. 241; p. 724.
- Film-indicator. M. A. Godwin. No. 1,233,868; July 17; v. 240; p. 835.
- Film-insertion device. B. M. Dickson. No. 1,232,900; July 10; v. 240; p. 485.
- Film-lubricator. E. R. Pearson and C. E. Jones. No. 1,225,270; May 8; v. 238; p. 451.
- Film-reel. L. B. and N. Goldberg. No. 1,247,260; Nov. 20; v. 244; p. 694.
- Film-reel shaft. C. Uebelmesser. No. 1,227,094; May 22; v. 238; p. 1151.
- Film-reeling device. W. Heinze. No. 1,217,598; Feb. 27; v. 235; p. 1224.
- Film-roll holder. W. I. Schultz, Sr. No. 1,213,694; Jan. 23; v. 234; p. 1246.
- Film roll, Print-titling-. E. G. Kesling. No. 1,234,770; July 31; v. 240; p. 1193.
- Film. Self-masking. D. A. Davis. No. 1,250,099; Dec. 11; v. 245; p. 514.
- Film-tape-treating apparatus. F. B. Thompson. No. 1,244,258; Oct. 23; v. 243; p. 978.
- Film-tensioning device. S. M. Coffman. No. 1,227,039; May 22; v. 238; p. 1132.
- Film-winding device. D. P. Whitesell. No. 1,225,905; May 15; v. 238; p. 710.
- Films, Feeding. W. M. Thomas. No. 1,244,920; Oct. 30; v. 243; p. 1217.
- Filter. J. Andrew. No. 1,213,140; Jan. 23; v. 234; p. 1054.
- Filter. A. J. Bridges. No. 1,225,007; May 8; v. 238; p. 365.
- Filter. A. J. Brown. No. 1,250,275; Dec. 18; v. 245; p. 606.
- Filter. W. Dorval. No. 1,247,241; Nov. 20; v. 244; p. 690.
- Filter. H. Kershaw. No. 1,247,118; Nov. 20; v. 244; p. 654.
- Filter. H. N. Kilby. No. 1,211,859; Jan. 9; v. 234; p. 544.
- Filter. H. N. Kilby. No. 1,229,755; June 12; v. 239; p. 514.
- Filter. J. A. McHardy and H. M. Howard. No. 1,247,979; Nov. 27; v. 244; p. 935.
- Filter. E. C. Mohr and R. A. Beach. No. 1,211,334; Jan. 2; v. 234; p. 328.
- Filter. T. H. Parker. No. 1,212,996; Jan. 16; v. 234; p. 972.
- Filter. J. P. Probst. No. 1,247,875; Nov. 27; v. 244; p. 905.
- Filter. A. C. Robinson. No. 1,212,404; Jan. 16; v. 234; p. 763.
- Filter. A. Storm. No. 1,235,395; July 31; v. 240; p. 1383.
- Filter. E. J. Sweetland. No. 1,240,385; Sept. 18; v. 242; p. 594.
- Filter. W. H. Waggoner. No. 1,218,915; Mar. 13; v. 236; p. 397.
- Filter. E. Zahm. No. 1,218,738; Mar. 13; v. 236; p. 333.
- Filter, Air-. J. Z. Hanson. No. 1,241,376; Sept. 25; v. 242; p. 936.
- Filter and automatic cut-off, Rain-water. J. A. Peter. No. 1,242,854; Oct. 9; v. 243; p. 481.
- Filter and grease-extractor, Feed-water. H. C. Davis. No. 1,249,724; Dec. 11; v. 245; p. 405.
- Filter, Automatic self-closing. O. Best. No. 1,246,850; Nov. 20; v. 244; p. 576.
- Filter-bodies, Testing. E. Zahm. No. 1,218,154; Mar. 6; v. 236; p. 93.
- Filter, Centrifugal pressure-. F. K. and E. F. Atkins. No. 1,219,796; Mar. 20; v. 236; p. 730.
- Filter, Electric wave-. G. A. Campbell. No. 1,227,113; May 22; v. 238; p. 1158.
- Filter frame or leaf. O. J. Salisbury. No. 1,249,835; Dec. 11; v. 245; p. 438.
- Filter, Gasolene-. A. Dameron. No. 1,227,999; May 29; v. 238; p. 1484.
- Filter mediums, Method and apparatus for cleansing. A. L. Genter. No. 1,214,152; Jan. 30; v. 234; p. 1432.
- Filter, Oil-. F. J. Armstrong. No. 1,218,506; Mar. 6; v. 236; p. 213.
- Filter, Oil-. J. W. Peterson and J. P. Quam. No. 1,239,512; Sept. 11; v. 242; p. 281.
- Filter, Portable water-. J. F. Tinley. No. 1,222,162; Apr. 10; v. 237; p. 437.
- Filter-press. C. M. Saeger, Jr. No. 1,232,611; July 10; v. 240; p. 389.
- Filter-press. H. A. Vallez. No. 1,227,983; May 29; v. 238; p. 1479.
- Filter-press and method of preventing the oxidation of the filtrate in the containers thereof. L. D. Mills. No. 1,236,737; Aug. 14; v. 241; p. 423.
- Filter-press cloth. H. H. Hanson. No. 1,222,100; Apr. 10; v. 237; p. 415.
- Filter-press, Continuous. D. B. Sweeney. No. 1,212,844; Jan. 16; v. 234; p. 918.
- Filter-press, Non-caking. H. A. Vallez. No. 1,227,982; May 29; v. 238; p. 1479.
- Filter-presses and removing the same therefrom, Treating semisolid material in the containers of. C. W. Merrill. No. 1,226,104; May 15; v. 238; p. 779.
- Filter, Pressure-. W. M. Jewell. No. 1,214,167; Jan. 30; v. 234; p. 1437.
- Filter, Rain-water. P. Bernard. No. 1,211,052; Jan. 2; v. 234; p. 233.
- Filter-tank. B. R. Koering. No. 1,225,441; May 8; v. 238; p. 513.
- Filter, Water-. J. W. Brenkert. No. 1,223,028; Apr. 17; v. 237; p. 781.
- Filter, Water-. S. E. Svendsen. No. 1,237,577; Aug. 21; v. 241; p. 729.
- Filters in connection with the purification of sugar, oils, and chemicals, Cleaning. P. L. Wooster. No. 1,240,290; Sept. 18; v. 242; p. 564.
- Filtering. A. L. Genter. No. 1,218,544; Mar. 6; v. 236; p. 225.
- Filtering. M. R. Lamb. No. 1,242,355; Oct. 9; v. 243; p. 321.
- Filtering air, Apparatus for. S. Cooper. No. 1,214,760; Feb. 6; v. 235; p. 97.
- Filtering and delivering apparatus, Liquid. F. E. Bingham. No. 1,230,099; June 19; v. 239; p. 663.
- Filtering and straining rack. R. L. Griffin. No. 1,233,050; July 10; v. 240; p. 532.
- Filtering apparatus. G. S. Brooks and L. G. Duncan. No. 1,240,305; Sept. 18; v. 242; p. 569.
- Filtering apparatus. A. L. Genter. No. 1,212,932; Jan. 16; v. 234; p. 948.
- Filtering apparatus. A. L. Genter. No. 1,212,933; Jan. 16; v. 234; p. 949.
- Filtering apparatus. W. M. Jewell. No. 1,233,061; July 10; v. 240; p. 536.
- Filtering apparatus. K. Kiefer. No. 1,211,947; Jan. 9; v. 234; p. 576.
- Filtering apparatus. A. Thome. No. 1,218,818; Mar. 13; v. 236; p. 363.
- Filtering-machine, Automatic continuous centrifugal. H. A. Herr. No. 1,246,267; Nov. 13; v. 244; p. 366.
- Filtering medium for cleaning furnace-gases. F. E. Kling. No. 1,215,385; Feb. 13; v. 235; p. 349.
- Filtering process and means, Water-. F. P. Boland. No. 1,217,397; Feb. 27; v. 235; p. 1151.
- Filtration. W. M. Jewell. No. 1,232,805; July 10; v. 240; p. 454.
- Filtration. W. M. Jewell. No. 1,248,127; Nov. 27; v. 244; p. 975.
- Filtration device for fluid-distributing systems. G. T. Buxton and S. A. Abbey. No. 1,226,307; May 15; v. 238; p. 852.
- Filtration, Metallurgical. P. A. Boeck. No. 1,245,557; Nov. 6; v. 244; p. 126.
- Financial transactions, Means for controlling. W. A. Ringler. No. 1,232,844; July 10; v. 240; p. 466.
- Finger-bowl. C. F. Gromann. No. 1,249,745; Dec. 11; v. 245; p. 411.
- Finger-cot. C. O. Prince. No. 1,231,194; June 26; v. 239; p. 1069.
- Finger-nail ornament. G. L. F. Nuss. No. 1,238,046; Aug. 21; v. 241; p. 878.
- Finger-print impressions, Apparatus for taking and preserving. P. Ryan. No. 1,251,113; Dec. 25; v. 245; p. 903.
- Finger-prints, Forming impressions of. R. E. Bauder. No. 1,237,277; Aug. 21; v. 241; p. 632.
- Finger-prints, Registering. E. Hedrick. No. 1,248,111; Nov. 27; v. 244; p. 970.
- Finger-ring. C. L. Depollier. No. 1,245,201; Nov. 6; v. 244; p. 18.
- Finger-ring. J. Grafstein. No. 1,228,663; June 5; v. 239; p. 98.
- Finger-ring. M. Simson. No. 1,232,986; July 10; v. 240; p. 512.
- Finger-ring with interchangeable signet-top. L. Lehr. No. 1,216,471; Feb. 20; v. 235; p. 790.
- Fingering attachment for stringed instruments. I. A. Thingstad. No. 1,219,884; Mar. 20; v. 236; p. 761.
- Finishing-machine. E. Hope. No. 1,227,622; May 29; v. 238; p. 1354.
- Finishing-strip. A. E. Vogt. No. 1,243,903; Oct. 23; v. 243; p. 873.
- Fire-alarm. C. J. Jenne. No. 1,240,049; Sept. 11; v. 242; p. 449.
- Fire-alarm. P. Raymond. No. 1,235,242; July 31; v. 240; p. 1337.
- Fire-alarm and annunciator, Combined. J. Carrigan. No. 1,249,717; Dec. 11; v. 245; p. 403.
- Fire alarm and extinguisher, Automatic. J. A. Hopkins, Jr. No. 1,212,060; Jan. 9; v. 234; p. 613.
- Fire-alarm and multiple-circuit closer. J. A. Bunch. No. 1,220,493; Mar. 27; v. 236; p. 1014.
- Fire-alarm apparatus. A. Torchio. No. 1,239,140; Sept. 4; v. 242; p. 135.
- Fire-alarm, Automatic. M. F. Humphries. No. 1,242,552; Oct. 9; v. 243; p. 385.
- Fire-alarm, Automatic. F. W. Lindemann. No. 1,229,299; June 12; v. 239; p. 361.
- Fire-alarm, Automatic recording. H. Symes. No. 1,219,189; Mar. 13; v. 236; p. 490.

Alphabetical list of inventions—Continued.

- Fire-alarm box. A. C. Vanadia. No. 1,218,230; Mar. 6; v. 236; p. 120.
- Fire-alarm box and hydrant, Combined. E. E. Ferguson. No. 1,215,263; Feb. 6; v. 235; p. 272.
- Fire-alarm-box mechanisms, Tone-producer for. D. G. Dee. No. 1,228,000; May 29; v. 238; p. 1485.
- Fire-alarm box, Safety. L. Shubatt. No. 1,217,844; Feb. 27; v. 235; p. 1308.
- Fire-alarm boxes, Safety and signal apparatus for. M. Rugel. No. 1,217,069; Feb. 20; v. 235; p. 993.
- Fire-alarm mechanism. O. Poenisch. No. 1,238,813; Sept. 4; v. 242; p. 30.
- Fire-alarm signal-box. F. W. Cole. No. 1,239,887; Sept. 11; v. 242; p. 402.
- Fire-alarm signaling apparatus. C. A. Harsch. No. 1,247,676; Nov. 27; v. 244; p. 846.
- Fire-alarm system. W. N. Ballard. No. 1,242,312; Oct. 9; v. 243; p. 308.
- Fire-alarm system. D. G. Dee. No. 1,225,934; May 15; v. 238; p. 720.
- Fire-alarm system. H. R. and W. C. Hughes. No. 1,244,332; Oct. 23; v. 243; p. 1001.
- Fire-alarm system. C. Z. Smith. No. 1,222,333; Apr. 10; v. 237; p. 498.
- Fire-alarm system, Local. D. G. Dee. No. 1,221,032; Apr. 3; v. 237; p. 10.
- Fire-alarm system, Thermo-electric. A. M. D. Greaves. No. 1,251,366; Dec. 25; v. 245; p. 979.
- Fire-alarm systems, Circuit-closer for. D. Pamp. No. 1,232,386; July 3; v. 240; p. 282.
- Fire-alarm telephone systems, Switchboard cord-circuits for. J. Erickson. No. 1,225,943; May 15; v. 238; p. 723.
- Fire-alarm telephone transmitting mechanism. D. G. Dee. No. 1,225,935; May 15; v. 238; p. 720.
- Fire-alarm, Thermostatic. C. J. Cid. No. 1,215,485; Feb. 13; v. 235; p. 383.
- Fire-alarm trunk switching mechanism. D. G. Dee. No. 1,225,936; May 15; v. 238; p. 721.
- Fire-alarms, Circuit-closer for. S. J. Kranyak. No. 1,220,646; Mar. 27; v. 236; p. 1066.
- Fire-alarms, Circuit-closing means for. H. W. Guthrie. No. 1,242,178; Oct. 9; v. 243; p. 266.
- Fire and burglar alarm. J. M. McConnell. No. 1,239,497; Sept. 11; v. 242; p. 276.
- Fire and burglar alarm, Automatic. L. A. Meyers. (Re-issue.) No. 14,288; Apr. 17; v. 237; p. 892.
- Fire and rain alarm. G. M. Gebhard. No. 1,239,883; Sept. 4; v. 242; p. 212.
- Fire and temperature alarm. G. L. Smith. No. 1,249,842; Dec. 11; v. 245; p. 440.
- Fire apparatus. J. F. Stone. No. 1,241,572; Oct. 2; v. 243; p. 34.
- Fire apparatus. W. Welsh. No. 1,233,941; July 17; v. 240; p. 859.
- Fire apparatus, Chemical. F. H. Lane. No. 1,231,272; June 26; v. 239; p. 1094.
- Fire apparatus, Heat-sensitive link for automatic. A. Blauvelt. No. 1,243,690; Oct. 23; v. 243; p. 802.
- Fire-box. J. Hassel-Jensen. No. 1,240,971; Sept. 25; v. 242; p. 808.
- Fire-box. S. W. Simonds. No. 1,215,068; Feb. 6; v. 235; p. 206.
- Fire-box. H. C. Stuart. No. 1,223,441; Apr. 24; v. 237; p. 954.
- Fire-box arch, Wooten-. A. H. Willett. No. 1,229,386; June 12; v. 239; p. 391.
- Fire-box lining. W. L. Mersfelder. No. 1,250,200; Dec. 18; v. 245; p. 584.
- Fire-box, Removable. H. W. Jacobs. No. 1,216,127; Feb. 13; v. 235; p. 618.
- Fire-box, Wooten-type. A. H. Willett. No. 1,229,385; June 12; v. 239; p. 390.
- Fire-boxes, Arch-construction for shallow. J. P. Neff. No. 1,229,392; June 12; v. 239; p. 392.
- Fire-cocks, hydrants, and the like, Drip connection for. A. J. Rooffs. No. 1,216,499; Feb. 20; v. 235; p. 800.
- Fire control for dirigible devices, Means for. E. F. Chandler. No. 1,249,274; Dec. 4; v. 245; p. 244.
- Fire-detecting wire. C. A. Harsch. No. 1,235,028; July 31; v. 240; p. 1274.
- Fire-door. T. E. Collins. No. 1,237,300; Aug. 21; v. 241; p. 638.
- Fire-door. W. B. Gervais. No. 1,224,295; May 1; v. 238; p. 65.
- Fire-door. H. C. Waldman. No. 1,249,566; Dec. 11; v. 245; p. 359.
- Fire-door apparatus. J. L. Mohun. No. 1,235,227; July 31; v. 240; p. 1333.
- Fire-door seal. W. Bartholomew. No. 1,250,119; Dec. 11; v. 245; p. 519.
- Fire doors and shutters, Flue-stopper for. F. L. Saino. No. 1,229,145; June 5; v. 239; p. 258.
- Fire doors and shutters, Locking device for. F. L. Saino. No. 1,229,144; June 5; v. 239; p. 258.
- Fire doors and shutters, Mounting for. F. L. Saino. No. 1,229,143; June 5; v. 239; p. 258.
- Fire-drill system, Factory. D. G. Dee. No. 1,223,481; Apr. 24; v. 237; p. 968.
- Fire-drill system, Factory-. D. G. Dee. No. 1,225,937; May 15; v. 238; p. 721.
- Fire-engine. C. P. Waterous. No. 1,238,853; Sept. 4; v. 242; p. 42.
- Fire-escape. S. Abramson. No. 1,216,041; Feb. 13; v. 235; p. 587.
- Fire-escape. H. E. Astarita. No. 1,244,278; Oct. 23; v. 243; p. 986.
- Fire-escape. G. M. Barber and L. L. Frazee. No. 1,218,828; Mar. 13; v. 236; p. 367.
- Fire-escape. M. Bencur. No. 1,241,701; Oct. 2; v. 243; p. 74.
- Fire-escape. C. W. Johnsen. No. 1,230,169; June 19; v. 239; p. 687.
- Fire-escape. N. Kaplan. No. 1,241,856; Oct. 2; v. 243; p. 123.
- Fire-escape. J. R. McClymonds. No. 1,238,417; Aug. 28; v. 241; p. 1032.
- Fire-escape. M. O. McLaughlin. No. 1,234,058; July 17; v. 240; p. 895.
- Fire-escape. J. T. Paquin. No. 1,243,339; Oct. 16; v. 243; p. 665.
- Fire-escape. A. Strenyo. No. 1,236,621; Aug. 14; v. 241; p. 383.
- Fire-escape. G. F. Tadini. No. 1,249,243; Dec. 4; v. 245; p. 236.
- Fire-escape. C. R. Taylor. No. 1,249,855; Dec. 11; v. 245; p. 445.
- Fire-escape. J. J. Weinandt. No. 1,242,286; Oct. 9; v. 243; p. 300.
- Fire-escape. J. O. Wick. No. 1,212,301; Jan. 16; v. 234; p. 728.
- Fire-escape apparatus. A. L. Plush. No. 1,246,655; Nov. 13; v. 244; p. 483.
- Fire-escape apparatus. H. J. Snook. No. 1,238,588; Aug. 28; v. 241; p. 1088.
- Fire-escape, Automatic. H. E. Astarita. No. 1,233,540; July 17; v. 240; p. 729.
- Fire-escape, Portable. S. Abramson. No. 1,229,394; June 12; v. 239; p. 393.
- Fire-escape, Portable. A. W. Smith. No. 1,235,943; Aug. 7; v. 241; p. 136.
- Fire-escape signal, Automatic. C. P. Hall. No. 1,246,915; Nov. 20; v. 244; p. 596.
- Fire-escapes, Centrifugal speed control for. J. A. Davidson. No. 1,241,930; Oct. 2; v. 243; p. 148.
- Fire-extinguisher. F. C. Bargar. No. 1,228,388; June 5; v. 239; p. 5.
- Fire-extinguisher. F. C. Bargar. No. 1,235,758; Aug. 7; v. 241; p. 74.
- Fire-extinguisher. H. J. Carmody. No. 1,235,550; Aug. 7; v. 241; p. 7.
- Fire-extinguisher. W. T. Charles. No. 1,228,746; June 5; v. 239; p. 127.
- Fire-extinguisher. W. A. Cole. No. 1,250,969; Dec. 25; v. 245; p. 862.
- Fire-extinguisher. M. Fellows. No. 1,217,428; Feb. 27; v. 235; p. 1163.
- Fire-extinguisher. J. W. Fitzgerald. No. 1,242,165; Oct. 9; v. 243; p. 262.
- Fire-extinguisher. R. H. Gobb. No. 1,227,751; May 29; v. 238; p. 1399.
- Fire-extinguisher. B. M. Griffith. No. 1,243,733; Oct. 23; v. 243; p. 818.
- Fire-extinguisher. P. M. Haller. No. 1,225,624; May 8; v. 238; p. 573.
- Fire-extinguisher. H. M. McCaslin. No. 1,230,423; June 19; v. 239; p. 770.
- Fire-extinguisher. H. Mikorey. No. 1,224,192; May 1; v. 238; p. 27.
- Fire-extinguisher. G. T. Pearsons. No. 1,214,581; Feb. 6; v. 235; p. 34.
- Fire-extinguisher. G. T. Pearsons. No. 1,215,698; Feb. 13; v. 235; p. 463.
- Fire-extinguisher. G. T. Pearsons. No. 1,223,418; Apr. 24; v. 237; p. 946.
- Fire-extinguisher. G. T. Pearsons. No. 1,237,550; Aug. 21; v. 241; p. 720.
- Fire-extinguisher. H. R. Rost. No. 1,248,722; Dec. 4; v. 245; p. 88.
- Fire-extinguisher. E. S. Savage. No. 1,230,435; June 19; v. 239; p. 774.
- Fire-extinguisher. F. Simone. No. 1,242,254; Oct. 9; v. 243; p. 289.
- Fire-extinguisher. W. A. Slater. No. 1,236,220; Aug. 7; v. 241; p. 223.
- Fire-extinguisher. S. J. Smith. No. 1,231,442; June 26; v. 239; p. 1151.
- Fire-extinguisher. J. Stanzig and R. König. No. 1,235,505; July 31; v. 240; p. 1417.
- Fire-extinguisher. G. F. Stephenson. No. 1,217,236; Feb. 27; v. 235; p. 1096.
- Fire-extinguisher. W. H. Tibbals. No. 1,214,971; Feb. 6; v. 235; p. 172.
- Fire-extinguisher. R. Verdane. No. 1,231,815; July 3; v. 240; p. 95.
- Fire-extinguisher. H. E. Weeks. No. 1,238,369; Aug. 28; v. 241; p. 1017.
- Fire extinguisher and alarm. T. A. Cole. No. 1,228,098; May 29; v. 238; p. 1518.
- Fire-extinguisher, Automatic. A. R. Apgar. No. 1,215,330; Feb. 13; v. 235; p. 329.
- Fire-extinguisher, Automatic. E. R. Brodtou. No. 1,234,620; July 24; v. 240; p. 1113.
- Fire-extinguisher, Automatic. E. Daucher. No. 1,232,773; July 10; v. 240; p. 443.
- Fire-extinguisher, Automatic. A. C. Soeger. No. 1,247,580; Nov. 20; v. 244; p. 785.

- Fire-extinguisher, Automatic stationary. W. Esty. No. 1,211,834; Jan. 9; v. 234; p. 534.
- Fire-extinguisher, Chemical. J. S. Crawford and B. Moses. No. 1,239,259; Sept. 4; v. 242; p. 174.
- Fire-extinguisher, Chemical. G. H. Ferrall. No. 1,232,907; July 10; v. 240; p. 488.
- Fire-extinguisher composition. H. S. Mork. No. 1,246,640; Nov. 13; v. 244; p. 479.
- Fire-extinguisher—holding device. F. F. Rowell. No. 1,222,143; Apr. 10; v. 237; p. 480.
- Fire-extinguisher, Portable. G. T. Pearsons. No. 1,243,759; Oct. 23; v. 243; p. 827.
- Fire-extinguisher, Rotary-sprinkler thermostatic. H. F. Taylor. No. 1,241,450; Sept. 25; v. 242; p. 957.
- Fire-extinguisher system. R. L. Cooney. No. 1,213,749; Jan. 23; v. 234; p. 1263.
- Fire-extinguisher system, Stationary. R. L. Cooney. No. 1,213,078; Jan. 16; v. 234; p. 999.
- Fire-extinguisher system, Stationary. R. L. Cooney. No. 1,244,293; Oct. 23; v. 243; p. 990.
- Fire-extinguishers, Wall-bracket for supporting. D. S. Guenther. No. 1,226,968; May 22; v. 238; p. 1108.
- Fire-extinguishing apparatus. J. B. and O. R. Erwin. No. 1,216,789; Feb. 20; v. 235; p. 900.
- Fire-extinguishing apparatus. J. B. and O. R. Erwin. No. 1,225,944; May 15; v. 238; p. 724.
- Fire-extinguishing apparatus. J. Egleston. No. 1,220,828; Mar. 27; v. 236; p. 1129.
- Fire-extinguishing apparatus. E. R. Gill. No. 1,250,576; Dec. 18; v. 245; p. 696.
- Fire-extinguishing apparatus. D. Pyzel. No. 1,246,657; Nov. 13; v. 244; p. 484.
- Fire-extinguishing apparatus, Automatic. W. L. Harris. No. 1,234,469; July 24; v. 240; p. 1066.
- Fire-extinguishing apparatus, Automatic. E. L. Thompson. No. 1,245,134; Oct. 30; v. 243; p. 1281.
- Fire-extinguishing apparatus, Chemical. J. R. Hamilton. No. 1,242,102; Oct. 2; v. 243; p. 201.
- Fire-extinguishing composition. H. S. Mork. No. 1,246,641; Nov. 13; v. 244; p. 480.
- Fire-extinguishing composition. H. S. Mork. No. 1,246,642; Nov. 13; v. 244; p. 480.
- Fire-extinguishing composition. W. W. Walker. No. 1,219,509; Mar. 20; v. 236; p. 630.
- Fire-extinguishing device. J. S. Thomson. No. 1,233,289; July 10; v. 240; p. 608.
- Fire-extinguishing device. J. S. Thomson. No. 1,233,290; July 10; v. 240; p. 608.
- Fire-extinguishing device, Chemical. O. F. Aalbue. No. 1,220,162; Mar. 27; v. 236; p. 897.
- Fire-extinguishing system. F. J. H. Rustige. No. 1,241,664; Oct. 2; v. 243; p. 63.
- Fire-extinguishing systems, Alarm for wet-pipe automatic. C. W. Kersteter. No. 1,211,452; Jan. 9; v. 234; p. 402.
- Fire-extinguishing systems, Dry-pipe valve for automatic. E. D. Van Ness. No. 1,211,014; Jan. 2; v. 234; p. 221.
- Fire-extinguishing systems, Sprinkler for automatic. W. Esty. No. 1,230,469; June 19; v. 239; p. 787.
- Fire-fighting apparatus, Automobile. J. A. Thomas. No. 1,251,303; Dec. 25; v. 245; p. 961.
- Fire-fail. P. Shving. No. 1,238,583; Aug. 28; v. 241; p. 1087.
- Fire-hose. R. Many. No. 1,220,661; Mar. 27; v. 236; p. 1071.
- Fire-hose clamp. W. J. Lorch. No. 1,219,968; Mar. 20; v. 236; p. 790.
- Fire-hose-feeding apparatus. T. B. Turley. No. 1,224,046; Apr. 24; v. 237; p. 1165.
- Fire-hose support. J. H. Stillwaggon. No. 1,233,615; July 17; v. 240; p. 755.
- Fire-hose valve. W. H. Eddy. No. 1,229,245; June 12; v. 239; p. 342.
- Fire-houses, Light-cut-out switch for. J. Grouss. No. 1,218,855; Mar. 13; v. 236; p. 377.
- Fire-kindler. A. Lekberg. No. 1,218,284; Mar. 6; v. 236; p. 140.
- Fire-kindler, Gas. T. Kaufer. No. 1,232,324; July 3; v. 240; p. 263.
- Fire-lighter and heater. C. A. Buchholtz. No. 1,211,536; Jan. 9; v. 234; p. 431.
- Fire-pot attachment. E. Klmmich. No. 1,225,440; May 8; v. 238; p. 512.
- Fire service, Aerial ladder for. T. B. Grant. No. 1,214,774; Feb. 6; v. 235; p. 101.
- Fire-shutter. T. E. Collins. No. 1,242,658; Oct. 9; v. 243; p. 419.
- Fire-shutters, Automatic closing means for roller. W. G. Miller. No. 1,238,041; Aug. 21; v. 241; p. 876.
- Fire-shutters, Locking and releasing device for. E. H. McCloud. No. 1,216,822; Feb. 20; v. 235; p. 911.
- Fire-screen. A. Burch. No. 1,225,762; May 15; v. 238; p. 663.
- Fire-signal apparatus. J. M. Smith. No. 1,224,028; Apr. 24; v. 237; p. 1159.
- Fire-signal, Thermostatic. A. B. Jones. No. 1,213,654; Jan. 23; v. 234; p. 1233.
- Fire-sprinkler-system signal. L. D. Chandler. No. 1,215,909; Feb. 13; v. 235; p. 537.
- Fire-starter. W. D. Davis. No. 1,216,780; Feb. 20; v. 235; p. 897.
- Fire trap-door. C. Kroegel. No. 1,238,692; Aug. 28; v. 241; p. 1118.
- Fires, Extinguishing. G. T. Gillette. No. 1,229,064; June 5; v. 239; p. 281.
- Fires in oil-tanks, Preventing or extinguishing. G. W. Earle. No. 1,221,038; Apr. 3; v. 237; p. 12.
- Fires in tanks, &c., Means for preventing. W. D. Owens. No. 1,213,686; Jan. 23; v. 234; p. 1244.
- Fires, Quick-acting foam compound for extinguishing. J. B. and O. R. Erwin. No. 1,247,803; Nov. 27; v. 244; p. 886.
- Firearm. H. D. Apps and L. S. Low. No. 1,214,984; Feb. 6; v. 235; p. 177.
- Firearm. C. J. Cooke. No. 1,229,721; June 12; v. 239; p. 502.
- Firearm. T. F. Horan. No. 1,242,191; Oct. 9; v. 243; p. 270.
- Firearm. T. C. Johnson. No. 1,212,773; Jan. 16; v. 234; p. 895.
- Firearm. P. Mauser. No. 1,217,974; Mar. 6; v. 236; p. 30.
- Firearm. J. F. McCleary. No. 1,222,778; Apr. 17; v. 237; p. 695.
- Firearm. R. A. Moore. No. 1,226,566; May 15; v. 238; p. 932.
- Firearm. R. A. Moore. No. 1,230,012; June 12; v. 239; p. 597.
- Firearm. C. A. Nelson. No. 1,239,124; Sept. 4; v. 242; p. 130.
- Firearm. C. A. Nelson. No. 1,246,984; Nov. 20; v. 244; p. 616.
- Firearm. E. E. Redfield. No. 1,233,603; July 17; v. 240; p. 751.
- Firearm. E. G. Reising. No. 1,227,668; May 29; v. 238; p. 1371.
- Firearm. C. Schulze. No. 1,220,693; Mar. 27; v. 236; p. 1083.
- Firearm, Automatic. L. N. Diehm. No. 1,226,478; May 15; v. 238; p. 905.
- Firearm, Automatic. F. C. Hedrick. No. 1,249,622; Dec. 11; v. 245; p. 375.
- Firearm-cleaning-rod tip. H. R. Klessig. No. 1,213,383; Jan. 23; v. 234; p. 1140.
- Firearm-locking device, Automatic. N. Bulgakow. No. 1,212,012; Jan. 9; v. 234; p. 597.
- Firearm-magazine. G. P. Orme. No. 1,245,499; Nov. 6; v. 244; p. 106.
- Firearm, Recoil-operated. O. B. Saalfeld. No. 1,228,827; June 5; v. 239; p. 154.
- Firearm-safety. C. A. Nelson. No. 1,249,175; Dec. 4; v. 245; p. 216.
- Firearm safety device. E. Larson. No. 1,239,920; Sept. 11; v. 242; p. 413.
- Firearm safety-lock. P. Donadio. No. 1,227,531; May 22; v. 238; p. 1295.
- Firearm-sight. R. M. Blair. No. 1,240,300; Sept. 18; v. 242; p. 567.
- Firearm-sight. W. L. Marble. No. 1,247,559; Nov. 20; v. 244; p. 778.
- Firearm-sight. R. L. Warner and G. F. Day. No. 1,235,172; July 31; v. 240; p. 1317.
- Firearm-sighting and range-finding device. T. F. Gaynor and F. Griffin. No. 1,222,620; Apr. 17; v. 237; p. 640.
- Firearm, Slide-action. W. L. Marble. No. 1,223,411; Apr. 24; v. 237; p. 943.
- Firearm-trigger. E. Dufot. No. 1,245,889; Nov. 6; v. 244; p. 226.
- Firearm trigger mechanism. C. Newton. No. 1,215,181; Feb. 6; v. 235; p. 243.
- Firearms, Adjustable rear sight for. H. Paulson. No. 1,229,652; June 12; v. 239; p. 481.
- Firearms and pistol-swords, Trigger mechanism for automatic. A. Solman and A. Sliwinski. No. 1,221,616; Apr. 3; v. 237; p. 215.
- Firearms, Automatic mechanism for. L. Martinez-Silva. No. 1,253,096; July 10; v. 240; p. 547.
- Firearms, Combined box-magazine and finger-guard for bolt-action. T. C. Johnson. No. 1,214,923; Feb. 6; v. 235; p. 155.
- Firearms, Combined rebounding, main, and trigger spring for. R. F. Sedgley. No. 1,216,001; Feb. 13; v. 235; p. 571.
- Firearms, Firing mechanism for. A. A. Yeaton. No. 1,230,973; June 26; v. 239; p. 994.
- Firearms, Guide for cleaning-rods of. J. E. Lanfranco. No. 1,251,247; Dec. 25; v. 245; p. 943.
- Firearms, Holder for. C. G. Cabanne. No. 1,222,264; Apr. 10; v. 237; p. 473.
- Firearms in position, Means for holding the fore-ends of. A. P. Curtis. No. 1,239,889; Sept. 11; v. 242; p. 403.
- Firearms, Magazine attachment for. C. P. Stuart. No. 1,244,794; Oct. 30; v. 243; p. 1179.
- Firearms, Means for combining the barrel with the receiver in connection with. P. Mauser. No. 1,234,783; July 31; v. 240; p. 1197.
- Firearms, Night-sight for. B. Solaro del Borgo. No. 1,225,592; May 8; v. 238; p. 563.
- Firearms, Oil-retainer for barrels of. F. J. McGavisk. No. 1,229,991; June 12; v. 239; p. 590.
- Firearms on shields, parapets, and the like, Ball-and-socket joint for mounting. A. B. Revell. No. 1,241,149; Sept. 25; v. 242; p. 863.
- Firearms, Recoil-pad for. W. F. Dimelow. No. 1,222,190; Apr. 10; v. 237; p. 447.
- Firearms, Recoil-pad for. S. A. Huntley. No. 1,222,291; Apr. 10; v. 237; p. 483.
- Firearms, Safety device for. G. G. Tansley. No. 1,234,961; July 31; v. 240; p. 1254.

Alphabetical list of inventions—Continued.

- Firearms, Safety for. G. E. Gile. No. 1,210,459; Jan. 2; v. 234; p. 28.
- Firearms, Safety-signal for. W. Yanert. No. 1,219,896; Mar. 20; v. 236; p. 765.
- Firearms, Sight for. C. B. Dygert. No. 1,221,298; Apr. 3; v. 237; p. 105.
- Firearms, Sight-light for. C. A. Lewis. No. 1,215,171; Feb. 6; v. 235; p. 239.
- Firearms, Trigger mechanism for automatic. J. T. S. Schouboe. No. 1,230,930; June 26; v. 239; p. 977.
- Firing mechanism for small-arms. E. Lytton. No. 1,240,068; Sept. 11; v. 242; p. 454.
- Fireless furnace. A. Price. No. 1,235,840; Aug. 7; v. 241; p. 102.
- Fireplace. J. D. Evans. No. 1,213,173; Jan. 23; v. 234; p. 1065.
- Fireplace and back. F. S. Thorne. No. 1,250,712; Dec. 18; v. 245; p. 736.
- Fireplace-heater. J. M. Speer. No. 1,228,254; May 29; v. 238; p. 1567.
- Fireplace, Portable. C. Maynard. No. 1,228,340; May 29; v. 238; p. 1595.
- Fireproof and waterproof boards, Composition of matter for making. J. E. Lappen. No. 1,226,779; May 22; v. 238; p. 1044.
- Fireproof building construction, Forming. F. W. Hargrave and J. A. Wheeler. No. 1,234,160; July 24; v. 240; p. 964.
- Fireproof building-wall. W. E. Wilson. (Reissue). No. 1,414; Dec. 18; v. 245; p. 808.
- Fireproof cabinet for duplicate sales-books and the like. Multiple-section. H. J. Farrow. No. 1,241,615; Oct. 2; v. 243; p. 48.
- Fireproof composition. P. Zappi. No. 1,211,028; Jan. 2; v. 234; p. 226.
- Fireproof construction. E. Merrick. No. 1,239,503; Sept. 11; v. 242; p. 278.
- Fireproof film-rewinder. W. E. Eggleston and L. L. Chauncey. No. 1,212,750; Jan. 16; v. 234; p. 888.
- Fireproof-safe. F. W. Finkhausen. No. 1,229,250; June 12; v. 239; p. 344.
- Fireproof-shutter. W. H. Clampitt. No. 1,234,873; July 31; v. 240; p. 1224.
- Fireproof swing and ventilator. D. M. Craven, Sr. No. 1,241,824; Oct. 2; v. 243; p. 114.
- Fireproof wall construction. J. A. Ferguson. No. 1,227,599; May 29; v. 238; p. 1346.
- Fireproof window-sashes, Munnion for. H. E. Campbell. No. 1,229,710; June 12; v. 239; p. 499.
- Fireproofing and bleaching of fabrics and the like. T. J. I. Craig. No. 1,224,145; May 1; v. 238; p. 10.
- Fireproofing fibrous materials. R. E. Prince. No. 1,216,729; Feb. 20; v. 235; p. 879.
- Fireproofing of fabrics and other articles. T. J. I. Craig. No. 1,225,414; May 8; v. 238; p. 503.
- Fireworks. W. H. Willson. No. 1,217,544; Feb. 27; v. 235; p. 1206.
- First-aid packet or package. O. C. Schulz. No. 1,234,397; July 24; v. 240; p. 1042.
- Fish-beheading device. B. R. Brierly and E. H. Waugh. No. 1,222,926; Apr. 17; v. 237; p. 745.
- Fish-cleaning device. B. R. Brierly and E. H. Waugh. No. 1,244,168; Oct. 23; v. 243; p. 950.
- Fish-cleaning device. J. W. Haubner. No. 1,224,923; May 8; v. 238; p. 336.
- Fish-cleaning machine. N. C. Nicholson. No. 1,217,809; Feb. 27; v. 235; p. 1297.
- Fish-cleaning machines, Scraper attachment for. B. R. Brierly and E. H. Waugh. No. 1,223,468; Apr. 24; v. 237; p. 963.
- Fish-cleaning mechanism. E. P. Follett. No. 1,228,311; May 29; v. 238; p. 1585.
- Fish, Curing, packing, and preserving. E. P. Julien. No. 1,229,472; June 12; v. 239; p. 419.
- Fish gaff or spear. J. J. Doudreau. No. 1,227,035; May 22; v. 238; p. 1131.
- Fish-gate. J. Nihart. No. 1,225,160; May 8; v. 238; p. 416.
- Fish-guard. G. O. Chick. No. 1,241,708; Oct. 2; v. 243; p. 76.
- Fish-guard. W. H. Fuller. No. 1,234,894; July 31; v. 240; p. 1231.
- Fish-guard. A. Kimmerling. No. 1,215,817; Feb. 13; v. 235; p. 505.
- Fish, Holder for use in scaling. J. B. Mills. No. 1,228,366; May 29; v. 238; p. 1604.
- Fish-hook. O. M. Dahl. No. 1,249,342; Dec. 11; v. 245; p. 295.
- Fish-hook. L. H. Jacobs. No. 1,217,769; Feb. 27; v. 235; p. 1283.
- Fish-hook. J. S. Madderra. No. 1,236,463; Aug. 14; v. 241; p. 331.
- Fish-hook. G. T. Parr. No. 1,246,150; Nov. 13; v. 244; p. 331.
- Fish-hook. G. E. Paulsen. No. 1,215,697; Feb. 13; v. 235; p. 463.
- Fish-hook. R. Penrod. No. 1,242,469; Oct. 9; v. 243; p. 358.
- Fish-hook. C. Westross. No. 1,237,429; Aug. 21; v. 241; p. 682.
- Fish-hook attachment. J. Johansen. No. 1,249,104; Dec. 4; v. 245; p. 195.
- Fish-hook, Automatic. M. Lapisich. No. 1,238,159; Aug. 28; v. 241; p. 948.
- Fish-hook fastener. C. Hilsz. No. 1,232,545; July 10; v. 240; p. 368.
- Fish-hook leaders, Detachable link for. C. H. Stapf. No. 1,235,854; Aug. 7; v. 241; p. 106.
- Fish-hook releaser. J. C. Stevens. No. 1,215,073; Feb. 6; v. 235; p. 208.
- Fish-hook, Weedless. J. W. Jay. No. 1,215,938; Feb. 13; v. 235; p. 549.
- Fish hooks and links, Stabilizer for. F. B. Ladd. No. 1,250,473; Dec. 18; v. 245; p. 665.
- Fish-joint. A. J. and H. E. Johnsen. No. 1,227,271; May 22; v. 238; p. 1211.
- Fish-line bob or float. W. W. Gregory and P. D. Malre. No. 1,240,043; Sept. 11; v. 242; p. 448.
- Fish-line guide. C. I. Oberg. No. 1,227,300; May 22; v. 238; p. 1220.
- Fish-lure. S. J. Ross. No. 1,246,162; Nov. 13; v. 244; p. 334.
- Fish-lure-demonstrating apparatus. W. A. Foss. No. 1,234,323; July 24; v. 240; p. 1017.
- Fish, Method and apparatus for positioning and cutting. W. F. Butler. No. 1,247,502; Nov. 20; v. 244; p. 763.
- Fish-packer and carton. C. M. Bridges. No. 1,219,237; Mar. 13; v. 236; p. 506.
- Fish, Preserving. W. E. Taylor. No. 1,250,384; Dec. 18; v. 245; p. 638.
- Fish-scaler. T. B. Easby and D. V. Louvet. No. 1,236,369; Aug. 7; v. 241; p. 266.
- Fish-scaler. L. Weinberg. No. 1,235,085; July 31; v. 240; p. 1291.
- Fish-scap, skelp, and the like, Apparatus for the reduction of. G. H. Stillson. No. 1,212,416; Jan. 16; v. 234; p. 768.
- Fish-screen. T. A. Howard. No. 1,243,525; Oct. 16; v. 243; p. 721.
- Fish-stop. F. H. Davis. No. 1,215,781; Feb. 13; v. 235; p. 491.
- Fish-stop. A. J. Gustafson. No. 1,232,794; July 10; v. 240; p. 450.
- Fish-stringer. W. M. Mikell. No. 1,212,087; Jan. 9; v. 234; p. 620.
- Fish-stringer. T. F. Ringle. No. 1,237,817; Aug. 21; v. 241; p. 804.
- Fish-transportation system. A. F. C. Schnoor. No. 1,248,169; Nov. 27; v. 244; p. 987.
- Fish-trap. W. J. Larson. No. 1,230,585; June 19; v. 239; p. 826.
- Fish-trap. J. A. Miller. No. 1,246,637; Nov. 13; v. 244; p. 478.
- Fish-trap, Portable. H. Christensen. No. 1,213,459; Jan. 23; v. 234; p. 1167.
- Fish trap, Shell. O. Nelson. No. 1,241,426; Sept. 25; v. 242; p. 950.
- Fish, Treating. I. J. Warner. No. 1,229,555; June 12; v. 239; p. 448.
- Fish-treating apparatus. F. D. Cleveland. No. 1,236,405; Aug. 14; v. 241; p. 312.
- Fishing device. C. J. Ehrler. No. 1,230,467; June 19; v. 239; p. 786.
- Fishing-float. C. Capooch and E. Dessureau. No. 1,241,707; Oct. 2; v. 243; p. 76.
- Fishing-float. A. D. Elster. No. 1,216,220; Feb. 13; v. 235; p. 650.
- Fishing-float. T. E. Sanford and F. Jackson. No. 1,243,881; Oct. 23; v. 243; p. 866.
- Fishing-float. J. S. Scott. No. 1,243,768; Oct. 23; v. 243; p. 830.
- Fishing-float line-clamp. D. G. Phillips. No. 1,232,890; July 3; v. 240; p. 283.
- Fishing-fly holder. J. W. Jay. No. 1,231,165; June 26; v. 239; p. 1060.
- Fishing-hook. A. L. Hill. No. 1,239,487; Sept. 11; v. 242; p. 273.
- Fishing-lines, Casting-weight for. S. Arnold. No. 1,232,167; July 3; v. 240; p. 213.
- Fishing-reel. J. S. Branyan and A. M. Rung. No. 1,230,270; June 19; v. 239; p. 721.
- Fishing-reel. G. Cook. No. 1,240,677; Sept. 18; v. 242; p. 683.
- Fishing-reel. J. G. Miller. No. 1,222,651; Apr. 17; v. 237; p. 652.
- Fishing-reel. G. W. Upton. No. 1,212,288; Jan. 16; v. 234; p. 724.
- Fishing-reels, Throw-off mechanism for. L. M. Sanders. No. 1,228,606; June 5; v. 239; p. 79.
- Fishing-rod. H. G. Gere. No. 1,231,150; June 26; v. 239; p. 1054.
- Fishing-rod attachment. A. E. Greenwald. No. 1,251,221; Dec. 25; v. 245; p. 936.
- Fishing-rod butt-rest. H. R. Johnstone. No. 1,223,884; Apr. 24; v. 237; p. 1112.
- Fishing-rod, Mechanical bait-casting. F. Attula. No. 1,226,162; May 15; v. 238; p. 798.
- Fishing-rods, Reel-brake for. R. B. King. No. 1,227,273; May 22; v. 238; p. 1211.
- Fishing-signal. J. Holek and W. Kucserik. No. 1,217,308; Feb. 27; v. 235; p. 1120.
- Fishing-spear-handle head. G. H. Conrad. No. 1,234,291; July 24; v. 240; p. 1007.
- Fishing-tackle. C. Leonard. No. 1,222,774; Apr. 17; v. 237; p. 694.
- Fishing-tackle. A. W. Ojerholm. No. 1,212,388; Jan. 16; v. 234; p. 758.

- Fishing-tackle. J. S. Tukey. No. 1,250,053; Dec. 11; v. 245; p. 500.
- Fishing-tool. H. C. Brewster. No. 1,240,661; Sept. 18; v. 242; p. 679.
- Fishing-tool, Two-prong compound. L. F. Baash. No. 1,213,574; Jan. 23; v. 234; p. 1206.
- Fishpole clip or clutch. V. F. Bendixen. No. 1,236,659; Aug. 14; v. 241; p. 396.
- Fixture-loop. G. A. Boomer. No. 1,212,318; Jan. 16; v. 234; p. 734.
- Fixture-support. C. V. Hendrickson, Jr., and J. F. Mergendeller. No. 1,249,955; Dec. 11; v. 245; p. 473.
- Flag-cover. J. H. Brewer. No. 1,228,092; May 29; v. 238; p. 1516.
- Flag-holder. S. C. Viden. No. 1,220,299; Mar. 27; v. 236; p. 945.
- Flag-holder. L. F. Wesche. No. 1,251,147; Dec. 25; v. 245; p. 914.
- Flag-retaining device. A. Finn. No. 1,236,417; Aug. 14; v. 241; p. 317.
- Flame-covering device. G. G. Krebs. No. 1,233,795; July 17; v. 240; p. 811.
- Flame-regulator, Automatic. J. Krizan, Jr. No. 1,240,982; Sept. 25; v. 242; p. 812.
- Flaming arrangement. K. Rücker and D. Pickée. No. 1,240,606; Sept. 18; v. 242; p. 660.
- Flange and rail lubricator. C. H. Epple and G. A. White. No. 1,211,424; Jan. 9; v. 234; p. 393.
- Flange-pressures, Apparatus for determining. T. R. Cook and C. L. Fischer. No. 1,219,922; Mar. 20; v. 236; p. 774.
- Flange-turner. E. C. Honea. No. 1,211,155; Jan. 2; v. 234; p. 266.
- Flanges, Making. J. H. Taylor. No. 1,243,005; Oct. 16; v. 243; p. 564.
- Flanged annular bands or sleeves, Apparatus for forming. W. W. Price. No. 1,210,531; Jan. 2; v. 234; p. 53.
- Flanging-machine. J. Brenzinger. No. 1,241,915; Oct. 2; v. 243; p. 143.
- Flanging the end of a metal tube. T. E. Murray. No. 1,219,135; Mar. 13; v. 236; p. 472.
- Flank stretcher and former. J. G. and W. C. Helmchen. No. 1,232,920; July 10; v. 240; p. 492.
- Flash-board skimming-gate. W. Vanden Heuvel. No. 1,241,308; Sept. 25; v. 242; p. 916.
- Flash-light. B. Benedict. No. 1,239,078; Sept. 4; v. 242; p. 114.
- Flash-light. B. Benedict. No. 1,246,042; Nov. 13; v. 244; p. 299.
- Flash-light. B. Benedict. No. 1,250,545; Dec. 18; v. 245; p. 687.
- Flash-light. R. N. Friend. No. 1,237,191; Aug. 14; v. 241; p. 565.
- Flash-light. J. J. McGuckin. No. 1,211,465; Jan. 9; v. 234; p. 407.
- Flash-light. O. L. Scalbom. No. 1,224,215; May 1; v. 238; p. 35.
- Flash-light. M. H. Spielman. No. 1,227,012; May 22; v. 238; p. 1124.
- Flash-light. W. L. White. No. 1,215,757; Feb. 13; v. 235; p. 483.
- Flash-light and camera-shutter synchronizer. C. A. Ellsworth. No. 1,220,325; Mar. 27; v. 236; p. 955.
- Flash-light and toilet article, Combined. A. Freed. No. 1,216,979; Feb. 20; v. 235; p. 964.
- Flash-light apparatus. O. A. Bradshaw. No. 1,235,282; July 31; v. 240; p. 1350.
- Flash-light apparatus. D. C. McCandless. No. 1,225,261; May 8; v. 238; p. 448.
- Flash-light attachment. O. H. Gruss. No. 1,251,222; Dec. 25; v. 245; p. 936.
- Flash-light carrier. H. Suserud. No. 1,245,817; Nov. 6; v. 244; p. 205.
- Flash-light device. N. E. Goldfadden. No. 1,243,156; Oct. 16; v. 243; p. 609.
- Flash-light, Electric. J. Tiscione. No. 1,226,926; May 22; v. 238; p. 1092.
- Flash-light holder. E. E. Thulin. No. 1,217,666; Feb. 27; v. 235; p. 1249.
- Flash-light-operating apparatus. H. V. Sheppard. No. 1,238,948; Sept. 4; v. 242; p. 73.
- Flash-light or electric torch. M. H. Spielman. No. 1,227,013; May 22; v. 238; p. 1124.
- Flash-light, Pocket. M. L. Kaplan. No. 1,219,109; Mar. 13; v. 236; p. 462.
- Flash-light, Pocket. E. W. Seymour. No. 1,248,934; Dec. 4; v. 245; p. 148.
- Flash-light, Pocket. C. Wachtel. No. 1,226,727; May 22; v. 238; p. 1025.
- Flash-light, Pocket. C. Wachtel. No. 1,226,728; May 22; v. 238; p. 1025.
- Flash-light, Portable. J. L. Mayhew. No. 1,232,824; July 10; v. 240; p. 459.
- Flash-light switch. M. B. Langdon. No. 1,211,322; Jan. 2; v. 234; p. 325.
- Flash-light-testing apparatus. G. A. Ley. No. 1,217,026; Feb. 20; v. 235; p. 980.
- Flash-point tester. F. Von Bichowsky. No. 1,232,413; July 3; v. 240; p. 290.
- Flasher. F. Hotchner. No. 1,245,105; Oct. 30; v. 243; p. 1272.
- Flashing. J. Bropson. No. 1,249,892; Dec. 11; v. 245; p. 456.
- Flask. *See*—
Cope-flask. Molding-flask.
- Flask. H. S. Cooper. No. 1,224,144; May 1; v. 238; p. 10.
- Flat-iron. F. W. Tully. No. 1,247,907; Nov. 27; v. 244; p. 915.
- Flat-iron cleaning, waxing, and polishing pad. J. T. Youngs. No. 1,232,158; July 3; v. 240; p. 211.
- Flat-iron, Electric. A. R. King. No. 1,249,638; Dec. 11; v. 245; p. 380.
- Flat-iron holder and cleaner. J. La Mothe. No. 1,218,781; Mar. 13; v. 236; p. 349.
- Flax and other fibrous plants, Machine for treating. W. O. Beere and J. E. Rough. No. 1,219,691; Mar. 20; v. 236; p. 694.
- Flax and other fibrous plants, Machine for treating. H. R. Bonny. No. 1,241,703; Oct. 2; v. 243; p. 75.
- Flax, Retting. E. S. Summers. No. 1,238,359; Aug. 28; v. 241; p. 1013.
- Flax-straw and preparing the residue for stock food, Removing fiber from unretted. J. Brolin. No. 1,239,667; Sept. 11; v. 242; p. 330.
- Flax-working-machine feed-hopper. K. Wessel. No. 1,233,529; July 17; v. 240; p. 725.
- Flesh of animals of the bovine genus, Preparation of the. J. Balzari. No. 1,240,165; Sept. 18; v. 242; p. 523.
- Flesh, Preserving. G. D. Rogers. No. 1,249,205; Dec. 4; v. 245; p. 224.
- Flesh-reducing apparatus. J. R. Beuchler, Jr. No. 1,238,091; Aug. 28; v. 241; p. 925.
- Fleshing-machine. J. Kelling. No. 1,235,697; Aug. 7; v. 241; p. 53.
- Fleshing-machine. A. Travis. No. 1,239,748; Sept. 11; v. 242; p. 356.
- Flexible clamp-joint. C. P. Klorer. No. 1,217,960; Mar. 6; v. 236; p. 26.
- Flexible coupling. F. R. Blair. No. 1,233,173; July 10; v. 240; p. 573.
- Flexible coupling. W. J. Francke. No. 1,223,951; Apr. 24; v. 237; p. 1133.
- Flexible coupling. W. J. Francke. No. 1,245,695; Nov. 6; v. 244; p. 168.
- Flexible coupling. W. J. Francke. No. 1,245,696; Nov. 6; v. 244; p. 168.
- Flexible coupling. J. R. Grundy. No. 1,216,227; Feb. 13; v. 235; p. 652.
- Flexible coupling. W. B. Hosford. No. 1,214,307; Jan. 30; v. 234; p. 1488.
- Flexible coupling. J. M. Naul. No. 1,212,543; Jan. 16; v. 234; p. 812.
- Flexible coupling. R. A. Smith. No. 1,225,518; May 8; v. 238; p. 537.
- Flexible coupling. C. E. Townley. No. 1,224,690; May 1; v. 238; p. 204.
- Flexible material, Machine for softening. E. F. Hodgkins. No. 1,238,144; Aug. 28; v. 241; p. 942.
- Flexible material, Softening. E. F. Hodgkins. No. 1,238,143; Aug. 28; v. 241; p. 942.
- Flier. C. T. Burlin. No. 1,230,272; June 19; v. 239; p. 722.
- Flies and other vermin from food-containing rooms, Means for excluding. L. M. Hendler. No. 1,251,370; Dec. 25; v. 245; p. 980.
- Flies entering houses, Device for preventing. J. Brooks. No. 1,244,696; Oct. 30; v. 243; p. 1148.
- Fly-catcher. J. Allen. No. 1,225,556; May 8; v. 238; p. 550.
- Fly-catcher. O. Braedt. No. 1,242,648; Oct. 9; v. 243; p. 416.
- Fly-catcher. H. Pakeman. No. 1,233,696; July 17; v. 240; p. 779.
- Fly-catcher. H. O. Wende. No. 1,239,148; Sept. 4; v. 242; p. 138.
- Fly-chaser and door-closer, Automatic. J. J. Hurt. No. 1,217,311; Feb. 27; v. 235; p. 1121.
- Fly-exterminator. N. Schultz. No. 1,212,407; Jan. 16; v. 234; p. 764.
- Fly-gun. A. Limoges. No. 1,237,346; Aug. 21; v. 241; p. 655.
- Fly or bait, Floating. J. P. Fiebig. No. 1,212,752; Jan. 16; v. 234; p. 889.
- Fly-paper holder. W. H. Leaman, Jr. No. 1,239,703; Sept. 11; v. 242; p. 343.
- Fly-paper holder. C. W. Randall. No. 1,217,825; Feb. 27; v. 235; p. 1302.
- Fly-screen. W. H. Betts and F. Rought. No. 1,237,284; Aug. 21; v. 241; p. 634.
- Fly-screen. E. G. Thompson. No. 1,240,627; Sept. 18; v. 242; p. 667.
- Fly-screen, Adjustable. J. J. Lynn. No. 1,236,580; Aug. 14; v. 241; p. 370.
- Fly-swatter. D. E. Emanuel. No. 1,228,891; June 5; v. 239; p. 176.
- Fly-swatter. C. L. Ferguson. No. 1,214,446; Jan. 30; v. 234; p. 1533.
- Fly-swatter. J. L. Mott, Jr. No. 1,237,081; Aug. 14; v. 241; p. 532.
- Fly-swatter. E. O. Pitts. No. 1,217,212; Feb. 27; v. 235; p. 1088.
- Fly-trap. S. A. Hunt. No. 1,212,225; Jan. 16; v. 234; p. 698.

Alphabetical list of inventions—Continued.

- Fly-trap. F. D. Huntoon. No. 1,213,200; Jan. 23; v. 234; p. 1075.
- Fly-trap. A. S. Jernigan. No. 1,225,638; May 8; v. 238; p. 578.
- Fly-trap. J. B. Kirby. No. 1,235,574; Aug. 7; v. 241; p. 15.
- Fly-trap. S. Krueger. No. 1,220,860; Mar. 27; v. 236; p. 1140.
- Fly-trap. T. F. McDonough, Jr. No. 1,229,107; June 5; v. 239; p. 246.
- Fly-trap. O. Shackelford. No. 1,221,098; Apr. 3; v. 237; p. 33.
- Fly-trap, Electric. W. A. Bass. No. 1,247,488; Nov. 20; v. 244; p. 759.
- Fly-trap, Foldable. J. J. Lynn. No. 1,238,539; Aug. 28; v. 241; p. 1073.
- Fly-trap, Screen-door. E. A. Warren. No. 1,236,512; Aug. 14; v. 241; p. 348.
- Fly-wheel. T. Osaki. No. 1,235,153; July 31; v. 240; p. 1310.
- Fly-wheel brake. G. W. Harris. No. 1,231,601; July 3; v. 240; p. 21.
- Flying apparatus. R. D. Andrews. No. 1,242,412; Oct. 9; v. 243; p. 340.
- Flying apparatus. E. Capps. No. 1,240,669; Sept. 18; v. 242; p. 681.
- Flying-boat. G. H. Curtiss. No. 1,246,011; Nov. 6; v. 244; p. 259.
- Flying-boat. G. H. Curtiss. No. 1,246,012; Nov. 6; v. 244; p. 259.
- Flying-boat. G. H. Curtiss. No. 1,246,016; Nov. 6; v. 244; p. 260.
- Flying-boat. G. L. Martin. No. 1,239,500; Sept. 11; v. 242; p. 277.
- Flying-boat hull. G. H. Curtiss. No. 1,246,019; Nov. 6; v. 244; p. 201.
- Flying-boat, Inherently stable. W. S. Burgess. No. 1,246,010; Nov. 6; v. 244; p. 259.
- Flying-boats, Draft system for. G. H. Curtiss. No. 1,246,018; Nov. 6; v. 244; p. 261.
- Flying-machine. W. H. Bush. No. 1,213,585; Jan. 23; v. 234; p. 1210.
- Flying-machine. J. W. Canrike. No. 1,234,727; July 31; v. 240; p. 1180.
- Flying-machine. G. H. Curtiss. No. 1,228,382; May 29; v. 238; p. 1609.
- Flying-machine. R. E. Friedrich. No. 1,237,772; Aug. 21; v. 241; p. 792.
- Folding-machine. A. B. Green. No. 1,233,222; July 10; v. 240; p. 589.
- Flying-machine. J. M. Huff. No. 1,226,521; May 15; v. 238; p. 918.
- Flying-machine. C. M. Hunsicker. No. 1,227,269; May 22; v. 238; p. 1210.
- Flying-machine. J. G. Jackson. No. 1,247,685; Nov. 27; v. 244; p. 849.
- Flying-machine. W. H. Kelly. No. 1,237,789; Aug. 21; v. 241; p. 796.
- Flying-machine. S. Lake. No. 1,247,412; Nov. 20; v. 244; p. 737.
- Flying-machine. J. S. Lang. No. 1,216,577; Feb. 20; v. 235; p. 828.
- Flying-machine. F. A. Meng and L. G. Schrader. No. 1,229,114; June 5; v. 239; p. 248.
- Flying-machine. H. Miller. No. 1,237,364; Aug. 21; v. 241; p. 661.
- Flying-machine. H. R. Morris. No. 1,236,741; Aug. 14; v. 241; p. 424.
- Flying-machine. G. F. Myers. No. 1,226,985; May 22; v. 238; p. 1115.
- Flying-machine. H. G. Nelson. No. 1,239,942; Sept. 11; v. 242; p. 419.
- Flying-machine. C. L. Sanford. No. 1,228,054; May 29; v. 238; p. 1503.
- Flying-machine. G. C. Schüle. No. 1,247,727; Nov. 27; v. 244; p. 862.
- Flying-machine. J. T. Simpson. No. 1,214,835; Feb. 6; v. 235; p. 121.
- Flying-machine. J. T. Simpson. No. 1,230,526; June 19; v. 239; p. 805.
- Flying-machine. V. Skrivaneck. No. 1,230,045; June 12; v. 239; p. 607.
- Flying-machine. M. Sydney. No. 1,250,530; Dec. 18; v. 245; p. 682.
- Flying-machine. G. M. Wanee. No. 1,215,226; Feb. 6; v. 235; p. 259.
- Flying-machine. D. M. Willard. No. 1,242,295; Oct. 9; v. 243; p. 303.
- Flying-machine. A. Zytkeiwicz. No. 1,219,616; Mar. 20; v. 236; p. 668.
- Flying-machine. S. P. Zywno. No. 1,241,072; Sept. 25; v. 242; p. 839.
- Flying-machine or flter. W. S. Cranmer. No. 1,223,940; Apr. 24; v. 237; p. 1130.
- Flying-machine plane. J. S. Lang. No. 1,241,860; Oct. 2; v. 243; p. 124.
- Flying-machine propeller. B. F. Seymour. No. 1,244,786; Oct. 30; v. 243; p. 1176.
- Flying-machine stabilizer. G. W. Cline. No. 1,226,312; May 15; v. 238; p. 853.
- Flying-machine stabilizer. J. S. Dale, Jr. No. 1,214,901; Feb. 6; v. 235; p. 146.
- Flying-machines and the like, Balancing device for. N. B. Converse. No. 1,246,235; Nov. 13; v. 244; p. 356.
- Flying-machines, Undercarriage or chassis for. G. Leberger. No. 1,229,297; June 12; v. 239; p. 360.
- Floater. J. H. Shepherd. No. 1,230,335; June 19; v. 239; p. 742.
- Floater-operated indicator and engine control. L. L. White. No. 1,243,470; Oct. 16; v. 243; p. 702.
- Floater, Self-inflating. F. C. Foster. No. 1,247,809; Nov. 27; v. 244; p. 887.
- Floater-wire guide. H. F. Goetz. No. 1,239,903; Sept. 11; v. 242; p. 407.
- Floater to their mounting-rods, Means for securing. C. E. Douglas. No. 1,214,020; Jan. 30; v. 234; p. 1389.
- Floodlight-projector. P. M. Holchtsin. No. 1,240,452; Sept. 18; v. 242; p. 615.
- Floor, Adjustable stage-. G. E. Curran and A. B. Craig. No. 1,220,200; Mar. 27; v. 236; p. 909.
- Floor-arch, Self-sustaining. C. R. Erkens. No. 1,242,669; Oct. 9; v. 243; p. 423.
- Floor-boards, Locking means for. O. A. Schanz. No. 1,241,667; Oct. 2; v. 243; p. 63.
- Floor-clamp. C. C. Carl. No. 1,222,521; Apr. 10; v. 237; p. 564.
- Floor-clamp. J. E. Johnson. No. 1,228,214; May 29; v. 238; p. 1554.
- Floor-cleaner. H. H. Crawford. No. 1,220,074; Mar. 20; v. 236; p. 828.
- Floor-cleaning device. F. O. Lister. No. 1,240,742; Sept. 18; v. 242; p. 703.
- Floor-cleaning machine. G. S. Harris. No. 1,243,516; Oct. 16; v. 243; p. 718.
- Floor-cleaning machine. E. J. Stewart. No. 1,233,822; July 17; v. 240; p. 819.
- Floor construction. A. G. Bagnall and J. A. Taylor. No. 1,235,636; Aug. 7; v. 241; p. 35.
- Floor construction. J. Kahn. No. 1,250,588; Dec. 18; v. 245; p. 700.
- Floor construction, Insulating. W. D. MacLeith. No. 1,226,788; May 22; v. 238; p. 1046.
- Floor construction, Three-way. J. B. Hernandez. No. 1,231,348; June 26; v. 239; p. 1119.
- Floor-covering. D. F. Haverstick. No. 1,225,954; May 15; v. 238; p. 727.
- Floor-covering composition. M. Nienstaedt. No. 1,227,923; May 29; v. 238; p. 1458.
- Floor-cutting tool. F. J. Pieper. No. 1,234,690; July 24; v. 240; p. 1134.
- Floor, Flat-slab. C. A. P. Turner. No. 1,217,536; Feb. 27; v. 235; p. 1203.
- Floor-heater. H. W. Leonard. No. 1,217,612; Feb. 27; v. 235; p. 1229.
- Floor, Insulating. A. G. Brown. No. 1,229,407; June 12; v. 239; p. 398.
- Floor-jack. C. J. Spencer. No. 1,249,543; Dec. 11; v. 245; p. 353.
- Floor-jack. J. J. Tomcheck. No. 1,231,461; June 26; v. 239; p. 1158.
- Floor-laying tool. H. L. Sanderson. No. 1,239,306; Sept. 4; v. 242; p. 188.
- Floor-machine, Rotary. R. A. Ponselle. No. 1,228,476; June 5; v. 239; p. 35.
- Floor or ceiling plate. E. E. Claussen and J. C. Hammer. No. 1,212,609; Jan. 16; v. 234; p. 836.
- Floor or ceiling plate. W. A. Russell. No. 1,249,209; Dec. 4; v. 245; p. 225.
- Floor-sander. J. M. Kelly. No. 1,243,949; Oct. 23; v. 243; p. 886.
- Floor-scraper. L. P. Thompson. No. 1,241,577; Oct. 2; v. 243; p. 36.
- Floor-scraper burnisher. W. P. Robinson and W. C. Nash. No. 1,220,003; Mar. 20; v. 236; p. 802.
- Floor structure, Water-cooled. L. L. Knox. No. 1,223,801; Apr. 24; v. 237; p. 1083.
- Floor structure, Water-cooled. L. L. Knox. No. 1,244,507; Oct. 30; v. 243; p. 1091.
- Floor-surfacing machine. M. L. Schlueter. No. 1,219,670; Mar. 20; v. 236; p. 687.
- Floor, Water-cooled. L. L. Knox. No. 1,223,800; Apr. 24; v. 237; p. 1083.
- Floor, Water-cooled. L. S. Schmidt. No. 1,234,222; July 24; v. 240; p. 985.
- Floor-waxer. G. W. Van Alstyne. No. 1,228,621; June 5; v. 239; p. 84.
- Floor-waxing device. A. A. Downing. No. 1,215,505; Feb. 13; v. 235; p. 391.
- Floors and similar surfaces, Machine for cleaning, grinding, finishing, and polishing of parquetted. P. A. Fisker. No. 1,224,292; May 1; v. 238; p. 64.
- Floors and the like, Construction of. F. W. Edlin. No. 1,214,442; Jan. 30; v. 234; p. 1532.
- Floors, Composition of matter for use in the treatment of. W. S. Williams. No. 1,219,060; Mar. 13; v. 236; p. 446.
- Floors, Laying mineral-composition. P. C. Bovins. No. 1,218,622; Mar. 13; v. 236; p. 291.
- Flooring-clamp. W. West. No. 1,242,623; Oct. 9; v. 243; p. 408.
- Flooring composition. H. E. Gernert and P. Reinhardt. No. 1,245,329; Nov. 6; v. 244; p. 56.
- Flooring, Metal. A. W. Rammage. No. 1,235,054; July 31; v. 240; p. 1282.
- Floral decoration. A. Casteris. No. 1,225,767; May 15; v. 238; p. 664.
- Flotation apparatus. W. E. Greenawalt. No. 1,250,303; Dec. 18; v. 245; p. 614.

- Flotation apparatus. H. O. Norvell. No. 1,243,093; Oct. 16; v. 243; p. 593.
- Flotation process of concentrating. G. H. Clevenger. No. 1,212,130; Jan. 9; v. 234; p. 636.
- Flotation-separation apparatus. C. F. Spaulding. No. 1,249,684; Dec. 11; v. 245; p. 393.
- Flour and making the same, Self-rising. P. Laidley. No. 1,244,867; Oct. 30; v. 243; p. 1200.
- Flour-bin. P. W. Gardner. No. 1,225,797; May 15; v. 238; p. 674.
- Flour-bin for kitchen-cabinets. O. M. Otte. No. 1,231,291; June 26; v. 239; p. 1100.
- Flour-bin for kitchen-cabinets. O. M. Otte. No. 1,234,206; July 24; v. 240; p. 979.
- Flour-bin for kitchen-cabinets. O. M. Otte. No. 1,235,236; July 31; v. 240; p. 1336.
- Flour-bin, Tilting and removable. C. Weesner and D. Davis. No. 1,243,784; Oct. 23; v. 243; p. 836.
- Flour. Bleaching and maturing. J. N. Alsop. No. 1,250,072; Dec. 11; v. 245; p. 505.
- Flour-mill. L. F. Little. No. 1,244,219; Oct. 23; v. 243; p. 967.
- Flour-mills, Classifier for. J. P. Stoffel. No. 1,223,005; Apr. 17; v. 237; p. 773.
- Flour-mills, Scalper for self-contained. J. J. Trefz. No. 1,229,169; June 5; v. 239; p. 267.
- Flour-mixing machine, Self-rising. S. D. Barr. No. 1,222,584; Apr. 10; v. 237; p. 588.
- Flour or the like, Apparatus for treating. C. Herendeen. No. 1,234,663; July 24; v. 240; p. 1125.
- Flour or the like, Treating. C. Herendeen. No. 1,234,662; July 24; v. 240; p. 1125.
- Flour-packing device. B. D. J. N., and C. V. Cook. No. 1,238,389; Aug. 28; v. 241; p. 1023.
- Flour-producer. G. W. and C. C. Summerton. No. 1,244,561; Oct. 30; v. 243; p. 1109.
- Flour, Producing pure. S. Baumann. No. 1,236,658; Aug. 14; v. 241; p. 896.
- Flow control, Fluid-. W. Shurtleff. No. 1,241,038; Sept. 25; v. 242; p. 829.
- Flow-controlling apparatus. G. Ornstein. No. 1,233,394; July 17; v. 240; p. 680.
- Flow in fluid-conduit systems, Method and means for controlling the. W. R. Smith. No. 1,249,227; Dec. 4; v. 245; p. 231.
- Flow-indicating mechanism, Fluid-. E. F. Fisher. No. 1,215,135; Feb. 6; v. 235; p. 227.
- Flow-indicating valve. F. Edlich. No. 1,215,129; Feb. 6; v. 235; p. 225.
- Flow-indicator. J. Sellin. No. 1,227,842; May 29; v. 238; p. 1431.
- Flow indicator, Liquid-. W. C. Knight. No. 1,249,120; Dec. 4; v. 245; p. 199.
- Flow-measuring apparatus, Adjustable. J. W. Gamble and H. E. Sibson. No. 1,247,952; Nov. 27; v. 244; p. 927.
- Flow-meter. E. G. Bailey. No. 1,248,057; Nov. 27; v. 244; p. 955.
- Flow-meter. A. R. Dodge. (Reissue.) No. 1,269; Mar. 13; v. 236; p. 570.
- Flow meter, Fluid-. W. W. Stevenson. No. 1,229,805; June 12; v. 239; p. 531.
- Flow meters and recorders, Operating mechanism for liquid-. G. P. Aborn. No. 1,237,736; Aug. 21; v. 241; p. 781.
- Flow-meters, Orifice-plate for. E. G. Bailey. No. 1,248,058; Nov. 27; v. 244; p. 955.
- Flow module, Constant-. J. E. Barieau. No. 1,222,258; Apr. 10; v. 237; p. 471.
- Flow of fluids in pipes, Apparatus for indicating the rate of. C. L. Weil. No. 1,214,853; Feb. 6; v. 235; p. 127.
- Flow of fluids, Method of and apparatus for controlling the. H. R. Ricardo and A. E. L. Chorlton. No. 1,246,159; Nov. 13; v. 244; p. 334.
- Flow of liquids, Apparatus for measuring and recording the quantity of. W. Paterson. No. 1,239,300; Sept. 4; v. 242; p. 186.
- Flow of liquids, Device for measuring the. J. J. Hoppes. No. 1,215,533; Feb. 13; v. 235; p. 402.
- Flow of liquids, Meter for measuring the. E. Roberts. No. 1,234,392; July 24; v. 240; p. 1040.
- Flow of water in streams, Means to check. W. E. Pedley. No. 1,219,995; Mar. 20; v. 236; p. 799.
- Flower and plant box. L. E. Burleigh. No. 1,213,331; Jan. 23; v. 234; p. 1122.
- Flower-box. T. P. Bolger. No. 1,229,022; June 5; v. 239; p. 218.
- Flower-box. J. Israel. No. 1,251,234; Dec. 25; v. 245; p. 940.
- Flower-pot. C. Natvig. No. 1,214,356; Jan. 30; v. 234; p. 1505.
- Flower-pot. S. L. Smith. No. 1,251,125; Dec. 25; v. 245; p. 908.
- Flower-pot and reflector, Combination. A. E. Pohlman. No. 1,215,986; Feb. 13; v. 235; p. 565.
- Flower-pot-watering attachment. P. R. Weitzel, 2d. No. 1,231,975; July 3; v. 240; p. 146.
- Flower-pot-watering devices, Regulator for. P. R. Weitzel, 2d. No. 1,231,976; July 3; v. 240; p. 147.
- Flowers, Receptacle for cultivating and preserving. C. D. Hitchcock. No. 1,221,449; Apr. 3; v. 237; p. 157.
- Flue-cleaner. A. J. Mullner. No. 1,211,212; Jan. 2; v. 234; p. 287.
- Flue-cleaner. A. Nilson. No. 1,218,690; Mar. 13; v. 236; p. 315.
- Flue-cleaner, Automatic. J. R. Karr. No. 1,215,165; Feb. 6; v. 235; p. 238.
- Flue-closure. C. J. Baumgartner. No. 1,248,244; Nov. 27; v. 244; p. 1008.
- Flue connection. D. B. Galloway. No. 1,211,132; Jan. 2; v. 234; p. 258.
- Flue-cutter. H. M. Powers. No. 1,240,779; Sept. 18; v. 242; p. 765.
- Flue-cutters, Pneumatic motor for. H. D. Palmer. No. 1,234,560; July 24; v. 240; p. 1095.
- Flue-dust, Apparatus for extracting values from. T. F. McGrath. No. 1,236,581; Aug. 14; v. 241; p. 370.
- Flue-expander. A. Nilson. No. 1,235,835; Aug. 7; v. 241; p. 100.
- Flue-lining, Making. E. M. Campfield. No. 1,231,563; July 3; v. 240; p. 7.
- Flue-stop. E. Lucas. No. 1,245,359; Nov. 6; v. 244; p. 65.
- Flues, Deflecting-plate for smoke-. M. O. Huyette. No. 1,228,023; May 29; v. 238; p. 1492.
- Fluid-agitator. L. J. Banks, A. D. Anderson, and E. S. L. Lovell. No. 1,216,540; Feb. 20; v. 235; p. 814.
- Fluid-compressor-controlling mechanism. O. H. and A. F. Pieper. No. 1,220,546; Mar. 27; v. 236; p. 1032.
- Fluid-compressor regulator. E. L. Bulkley. No. 1,211,074; Jan. 2; v. 234; p. 240.
- Fluid-containers, Safety-vent for. R. Vuilleumier. No. 1,248,578; Dec. 4; v. 245; p. 45.
- Fluid-controller, Governor-actuated. F. Henneböhle. No. 1,237,335; Aug. 21; v. 241; p. 652.
- Fluid controlling and metering device. S. Z. De Ferranti. No. 1,249,601; Dec. 11; v. 245; p. 369.
- Fluid-controlling device. H. D. Metcalf. No. 1,212,085; Jan. 9; v. 234; p. 620.
- Fluid-cooling apparatus. G. H. Walker. No. 1,213,042; Jan. 16; v. 234; p. 987.
- Fluid-coupling. D. Brown. No. 1,239,345; Sept. 4; v. 242; p. 200.
- Fluid-distributing apparatus. C. H. Meigs. No. 1,214,061; Jan. 30; v. 234; p. 1403.
- Fluid-driven motor. R. R. Rothman. No. 1,246,788; Nov. 13; v. 244; p. 522.
- Fluid-engine. J. B. Ramp. No. 1,222,990; Apr. 17; v. 237; p. 768.
- Fluid flowing through a passage, Apparatus for controlling the velocity of a. H. M. Liess. No. 1,215,669; Feb. 13; v. 235; p. 453.
- Fluid-fuel apparatus. J. F. Higgins. No. 1,246,004; Nov. 6; v. 244; p. 256.
- Fluid-fuel burner. S. T. Willson. No. 1,215,229; Feb. 6; v. 235; p. 260.
- Fluid-fuel furnace for heating castings. R. W. Wiederwax. No. 1,234,240; July 24; v. 240; p. 991.
- Fluid-gage. A. F. Carton. No. 1,225,108; May 8; v. 238; p. 399.
- Fluid-gage. C. M. Cole. No. 1,224,713; May 1; v. 238; p. 213.
- Fluid-gage. M. M. Dimond. No. 1,231,339; June 26; v. 239; p. 1116.
- Fluid-heater. A. Beler. No. 1,212,732; Jan. 16; v. 234; p. 882.
- Fluid-heater, Electric. H. W. Denhard. No. 1,219,265; Mar. 13; v. 236; p. 515.
- Fluid-heater, Thermostatically-controlled. A. Beler. No. 1,246,040; Nov. 13; v. 244; p. 298.
- Fluid-heaters, Protective device for. R. E. Lovekin. No. 1,248,143; Nov. 27; v. 244; p. 980.
- Fluid heating and pressure generation. W. B. Thomson. No. 1,236,623; Aug. 14; v. 241; p. 384.
- Fluid-meter. G. S. Binkley. No. 1,241,814; Oct. 2; v. 243; p. 111.
- Fluid-meter. C. A. Dawley. No. 1,238,498; Aug. 28; v. 241; p. 1058.
- Fluid-meter. J. W. Ledoux. No. 1,243,842; Oct. 23; v. 243; p. 854.
- Fluid-meter. J. Semple. No. 1,247,583; Nov. 20; v. 244; p. 786.
- Fluid-meter. C. C. Thomas. No. 1,222,492; Apr. 10; v. 237; p. 554.
- Fluid-meter. F. C. Viney. No. 1,241,170; Sept. 25; v. 242; p. 869.
- Fluid-meter. J. C. Wilson. No. 1,246,799; Nov. 13; v. 244; p. 525.
- Fluid-metering device. E. Roberts. No. 1,247,330; Nov. 20; v. 244; p. 714.
- Fluid-metering system. G. G. Earl and A. B. Wood. No. 1,212,149; Jan. 9; v. 234; p. 643.
- Fluid-metering system. G. G. Earl and A. B. Wood. No. 1,212,150; Jan. 9; v. 234; p. 643.
- Fluid, Method and apparatus for generating motive. C. E. Reordan. No. 1,224,789; May 1; v. 238; p. 239.
- Fluid mixing and conveying apparatus. J. A. Rey. No. 1,212,557; Jan. 16; v. 234; p. 818.
- Fluid-motor. M. A. Patton. No. 1,251,095; Dec. 25; v. 245; p. 899.
- Fluid-motor drill. C. H. Peck. No. 1,212,998; Jan. 16; v. 234; p. 973.
- Fluid motor or pump. A. Sundh. No. 1,221,921; Apr. 10; v. 237; p. 353.
- Fluid motor, Pressure-. G. H. Gilman. No. 1,250,932; Dec. 18; v. 245; p. 802.

Alphabetical list of inventions—Continued.

- Fluid-operated drill. L. W. Greve. No. 1,248,481; Dec. 4; v. 245; p. 15.
- Fluid or plastic material. Device for dispensing. F. McLaughlin. No. 1,235,351; July 31; v. 240; p. 1371.
- Fluid-pressure brake. W. V. Turner. No. 1,230,951; June 26; v. 239; p. 986.
- Fluid-pressure brake. W. V. Turner. No. 1,243,012; Oct. 16; v. 243; p. 566.
- Fluid-pressure brake. W. V. Turner. No. 1,249,558; Dec. 11; v. 245; p. 356.
- Fluid-pressure brake. W. V. Turner. No. 1,251,137; Dec. 25; v. 245; p. 911.
- Fluid-pressure brake device. W. V. Turner. No. 1,230,952; June 26; v. 239; p. 986.
- Fluid-pressure-controlled switch. H. Y. Norwood and F. K. Taylor. No. 1,250,210; Dec. 18; v. 245; p. 586.
- Fluid-pressure device. Self-packing. L. S. Barengueras. No. 1,233,438; July 17; v. 240; p. 695.
- Fluid-pressure engine. J. N. Bailey. No. 1,213,791; Jan. 23; v. 234; p. 1279.
- Fluid-pressure gage. L. V. Cantrell. No. 1,246,542; Nov. 13; v. 244; p. 449.
- Fluid-pressure governor. R. C. Enyart. No. 1,219,928; Mar. 20; v. 236; p. 776.
- Fluid-pressure governor. H. A. Hayward. No. 1,216,116; Feb. 13; v. 235; p. 613.
- Fluid-pressure motor. M. S. Darling. No. 1,246,559; Nov. 13; v. 244; p. 455.
- Fluid-pressure motor. E. W. Meredith. No. 1,211,209; Jan. 2; v. 234; p. 286.
- Fluid-pressure regulator. A. W. Cash. No. 1,249,596; Dec. 11; v. 245; p. 367.
- Fluid-pressure regulator. C. J. Smith. No. 1,243,996; Oct. 23; v. 243; p. 900.
- Fluid-pressure regulator. R. D. Tackaberry. No. 1,213,972; Jan. 30; v. 234; p. 1371.
- Fluid-pressure suction apparatus. J. R. Schrader. No. 1,226,818; May 22; v. 238; p. 1057.
- Fluid-pressure system. H. H. Hornsby. No. 1,220,336; Mar. 27; v. 236; p. 959.
- Fluid-pressure transmission. A. E. and W. Painter. No. 1,242,033; Oct. 2; v. 243; p. 179.
- Fluid-proofed hollow object and making hollow objects fluid-proof. C. M. Mapes. No. 1,219,021; Mar. 13; v. 236; p. 433.
- Fluid-receptacle closure. L. R. Schiefer. No. 1,214,833; Feb. 6; v. 235; p. 121.
- Fluid-suspended material. Apparatus for separating. G. P. Gomez. No. 1,220,092; Mar. 20; v. 236; p. 834.
- Fluid-translating device. H. F. Schmidt. No. 1,237,219; Aug. 14; v. 241; p. 574.
- Fluids. Apparatus for ascertaining the properties of. W. M. Grosvenor. No. 1,236,706; Aug. 14; v. 241; p. 413.
- Fluids. Apparatus for generating and utilizing motive. E. and W. H. Taylor. No. 1,241,780; Oct. 2; v. 243; p. 99.
- Fluids. Apparatus for the production of working. O. Kraus. No. 1,227,275; May 22; v. 238; p. 1212.
- Fluids from carbonaceous solids. Securing combustible. J. H. Reid. No. 1,224,788; May 1; v. 238; p. 238.
- Fluids. Generating and utilizing motive. E. and W. H. Taylor. No. 1,241,781; Oct. 2; v. 243; p. 99.
- Fluids. Internal-combustion method of forcing or compressing. P. Ostenberg. No. 1,210,679; Jan. 2; v. 234; p. 105.
- Fluids. Purifying. J. J. Tokheim. No. 1,248,951; Dec. 4; v. 245; p. 153.
- Flume. E. C. Auld. No. 1,230,980; June 26; v. 239; p. 996.
- Flume. L. R. Hinman. No. 1,226,662; May 22; v. 238; p. 1002.
- Flume. J. H. Lane. No. 1,220,519; Mar. 27; v. 236; p. 1023.
- Flume. A. C. Norton. No. 1,237,544; Aug. 21; v. 241; p. 718.
- Flume. K. J. Thorsby. No. 1,219,681; Mar. 20; v. 236; p. 690.
- Flush-lever. Closet-tank. G. A. Saal. No. 1,250,026; Dec. 11; v. 245; p. 492.
- Flush receptacle and plug. Universal. T. A. C. Both. No. 1,219,908; Mar. 20; v. 236; p. 769.
- Flush receptacles. Cover-plate for. C. E. Anderson. No. 1,230,643; June 19; v. 239; p. 846.
- Flush receptacles. Face-plate for. H. U. Badeau. No. 1,221,652; Apr. 3; v. 237; p. 225.
- Flush receptacles. Face-plate for. G. B. Thomas. No. 1,222,493; Apr. 10; v. 237; p. 555.
- Flush switch. W. J. Newton. No. 1,233,597; July 17; v. 240; p. 749.
- Flush-tank. A. Duffy. No. 1,226,758; May 22; v. 238; p. 1035.
- Flush-tank. C. Nuessle. No. 1,246,987; Nov. 20; v. 244; p. 616.
- Flush-tank. N. Price. No. 1,241,276; Sept. 25; v. 242; p. 906.
- Flush-tank. S. S. Williamson. No. 1,232,147; July 3; v. 240; p. 207.
- Flush-tank. Antiseptic. H. Leitch. No. 1,220,243; Mar. 27; v. 236; p. 924.
- Flush-tank mechanism. E. P. Lacey. No. 1,225,340; May 8; v. 238; p. 479.
- Flush-tank valve. R. K. Chase. No. 1,227,037; May 22; v. 238; p. 1132.
- Flush-tanks. Disinfectant-dispensing attachment for. J. C. and B. V. Cox. No. 1,220,398; Mar. 27; v. 236; p. 981.
- Flush-tanks. Disinfecting device for. C. W. Thornton. No. 1,213,978; Jan. 30; v. 234; p. 1373.
- Flush-valve apparatus. A. N. Pasman. No. 1,225,352; May 8; v. 238; p. 483.
- Flushing and unhairing machine. C. Ruhe. No. 1,223,424; Apr. 24; v. 237; p. 948.
- Flushing and ventilating apparatus. C. E. Shadall. No. 1,242,251; Oct. 9; v. 243; p. 289.
- Flushing apparatus. L. Ball and A. L. McLean. No. 1,237,276; Aug. 21; v. 241; p. 632.
- Flushing apparatus. J. F. Doyle, Jr., and M. D. Avillar. No. 1,234,643; July 24; v. 240; p. 1120.
- Flushing apparatus. W. Gleason. No. 1,240,132; Sept. 11; v. 242; p. 474.
- Flushing apparatus. J. E. Osmer. No. 1,229,505; June 12; v. 239; p. 430.
- Flushing apparatus and valve mechanism therefor. H. G. Traver. No. 1,244,922; Oct. 30; v. 243; p. 1218.
- Flushing apparatus for water-closets. W. U. Griffiths. No. 1,240,197; Sept. 18; v. 242; p. 534.
- Flushing apparatus with air-chamber. F. J. Paff. No. 1,215,695; Feb. 13; v. 235; p. 462.
- Flushing-cistern. R. H. Paus. No. 1,243,340; Oct. 16; v. 243; p. 666.
- Flushing closet-bowls. C. H. Muckenhirn. No. 1,251,268; Dec. 25; v. 245; p. 950.
- Flushing control. Water-. J. W. Sharp, Jr. No. 1,241,037; Sept. 25; v. 242; p. 829.
- Flushing device. C. E. Cochrane. No. 1,242,922; Oct. 16; v. 243; p. 537.
- Flushing device. J. F. De Spirito. No. 1,228,653; June 5; v. 239; p. 94.
- Flushing device. H. H. Gove. No. 1,216,797; Feb. 20; v. 235; p. 903.
- Flushing device. C. A. Osborn. No. 1,231,288; June 26; v. 239; p. 1100.
- Flushing device. J. W. Sharp, Jr., and A. E. Bacon. No. 1,227,554; May 22; v. 238; p. 1302.
- Flushing device. Automatic. F. J. Kozik. No. 1,213,886; Jan. 30; v. 234; p. 1342.
- Flushing machine. Street-. W. C. Ingram. No. 1,216,455; Feb. 20; v. 235; p. 784.
- Flushing machine. Street-. W. C. Ingram. No. 1,217,946; Mar. 6; vol. 236; p. 21.
- Flushing mechanism. H. E. Meyer and C. E. Jensen. No. 1,233,684; July 17; v. 240; p. 776.
- Flushing mechanism. J. A. Vogel. No. 1,249,258; Dec. 4; v. 245; p. 240.
- Flushing mechanism for water-closets. C. H. Colvin. No. 1,218,610; Mar. 6; v. 236; p. 249.
- Flushing-tank. W. Brigham and G. A. Furneaux. No. 1,224,845; May 1; v. 238; p. 258.
- Flushing-tank. H. Stoffel. No. 1,230,053; June 12; v. 239; p. 610.
- Flushing-tank. J. M. Teahen. No. 1,240,470; Sept. 25; v. 242; p. 963.
- Flushing-tank. W. A. Williams. No. 1,225,691; May 8; v. 238; p. 596.
- Flushing-tank for water-closets. A. A. Boss. No. 1,247,211; Nov. 20; v. 244; p. 681.
- Flushing-tank silencer. M. V. Gross. No. 1,235,517; July 31; v. 240; p. 1421.
- Flushing tank. Water-closet-. F. E. Shaw. No. 1,213,913; Jan. 30; v. 234; p. 1351.
- Flux for welding nickel and nickel alloy. R. Samesreuther. No. 1,224,418; May 1; v. 238; p. 110.
- Foam-generating apparatus. J. B. and O. R. Erwin. No. 1,214,661; Feb. 6; v. 235; p. 63.
- Foam-generating apparatus and process. J. B. and O. R. Erwin. No. 1,214,660; Feb. 6; v. 235; p. 63.
- Focusing mechanism. C. E. Godley. No. 1,229,177; June 5; v. 239; p. 270.
- Fodder. Apparatus for producing animal. S. C. Roberts. No. 1,247,153; Nov. 20; v. 244; p. 665.
- Fodder-cutters. Delivery-pipe for. G. M. Merwin. No. 1,241,540; Oct. 2; v. 243; p. 22.
- Fodder-rack. A. E. Miller. No. 1,242,361; Oct. 9; v. 243; p. 323.
- Foldable box. M. Neumerkel. No. 1,226,906; May 22; v. 238; p. 1085.
- Foldable seat. A. W. L. Hartbauer. No. 1,218,857; Mar. 13; v. 236; p. 378.
- Foldable seat. J. McMillan. No. 1,236,960; Aug. 14; v. 241; p. 494.
- Folder. E. T. Allan. No. 1,217,549; Feb. 27; v. 235; p. 1208.
- Folder. H. H. Hollidge. No. 1,241,381; Sept. 25; v. 242; p. 937.
- Folder. C. A. Loomis. No. 1,216,475; Feb. 20; v. 235; p. 792.
- Folding and extension table. A. S. Garman. No. 1,223,782; Apr. 24; v. 237; p. 1076.
- Folding box. B. F. Bain. No. 1,230,552; June 19; v. 239; p. 815.
- Folding box. H. E. Cole. No. 1,230,675; June 19; v. 239; p. 855.
- Folding box. L. Gottschall. No. 1,241,844; Oct. 2; v. 243; p. 120.
- Folding box. J. F. Keibell. No. 1,226,531; May 15; v. 238; p. 922.
- Folding box. C. S. Lehman. No. 1,221,755; Apr. 3; v. 237; p. 261.

- Folding box. A. Némédý. No. 1,224,493; May 1; v. 238; p. 136.
- Folding box. E. E. Pinkerton. No. 1,211,223; Jan. 2; v. 234; p. 291.
- Folding box. S. P. Shuey. No. 1,222,581; Apr. 10; v. 237; p. 586.
- Folding box. S. R. Van Horne. No. 1,237,424; Aug. 21; v. 241; p. 680.
- Folding box. S. Weinstein. No. 1,212,429; Jan. 16; v. 234; p. 773.
- Folding chair. W. A. Bernhard. No. 1,241,907; Oct. 2; v. 243; p. 141.
- Folding chair. C. L. Craig. No. 1,218,611; Mar. 6; v. 236; p. 250.
- Folding chair. C. L. Craig. No. 1,218,612; Mar. 6; v. 236; p. 250.
- Folding chair. W. Hillier. No. 1,218,940; Mar. 13; v. 236; p. 405.
- Folding chair. A. Kuczabowski. No. 1,231,386; June 26; v. 239; p. 1132.
- Folding chair. L. A. Lagerstrom. No. 1,219,960; Mar. 20; v. 236; p. 788.
- Folding chair. T. Lambeth. No. 1,241,742; Oct. 2; v. 243; p. 88.
- Folding chair. J. A. Ostman. No. 1,241,544; Oct. 2; v. 243; p. 23.
- Folding chair. J. A. Rho. No. 1,228,967; June 5; v. 239; p. 200.
- Folding chair. B. B. Stalter. No. 1,250,691; Dec. 18; v. 245; p. 730.
- Folding chair. J. F. Willmot. No. 1,242,406; Oct. 9; v. 243; p. 338.
- Folding chair for tables or the like. T. Kottus. No. 1,227,803; May 29; v. 238; p. 1417.
- Folding device, Marginal. M. F. Garlin. No. 1,223,575; Apr. 24; v. 237; p. 1002.
- Folding frame. L. I. Beckwith. No. 1,224,893; May 8; v. 238; p. 326.
- Folding gate. A. Fritz. No. 1,251,213; Dec. 25; v. 245; p. 933.
- Folding hook. L. E. Page. No. 1,213,808; Jan. 23; v. 234; p. 1285.
- Folding-machine. W. E. Amberg. No. 1,245,421; Nov. 6; v. 244; p. 83.
- Folding-machine. E. H. Cattrell. No. 1,226,948; May 22; v. 238; p. 1100.
- Folding-machine. H. B. Cooley. (Reissue.) No. 14,395; Nov. 20; v. 244; p. 792.
- Folding-machine. G. J. Dormandy. No. 1,216,293; Feb. 20; v. 235; p. 727.
- Folding-machine. R. F. Downey. No. 1,246,403; Nov. 13; v. 244; p. 407.
- Folding-machine. W. Flett. No. 1,249,367; Dec. 11; v. 245; p. 303.
- Folding-machine. P. R. Glass. No. 1,224,529; May 1; v. 238; p. 148.
- Folding-machine. E. Pignone. No. 1,213,900; Jan. 30; v. 234; p. 1347.
- Folding-machine. W. Reinhold. No. 1,239,965; Sept. 11; v. 242; p. 426.
- Folding-machine stacker. C. A. Sigafos. No. 1,238,207; Aug. 28; v. 241; p. 963.
- Folding-machines. Fold-presser for. W. F. Lautenschlager. No. 1,234,677; July 24; v. 240; p. 1130.
- Folding pliable material, Machine for. C. P. Stanbon. No. 1,211,982; Jan. 9; v. 234; p. 588.
- Folding screen. C. S. Hammock. No. 1,244,497; Oct. 30; v. 243; p. 1089.
- Folding seat. J. A. Bawtinheimer and D. L. Miller. No. 1,238,087; Aug. 28; v. 241; p. 923.
- Folding seat. O. E. Hunt. No. 1,239,185; Sept. 4; v. 242; p. 148.
- Folding seat. H. Slavitt. No. 1,228,073; May 29; v. 238; p. 1509.
- Folding seat, Adjustable. J. Erret. No. 1,220,832; Mar. 27; v. 236; p. 1130.
- Folding seat, Automatic. J. F. Hunt. No. 1,237,647; Aug. 21; v. 241; p. 751.
- Folding stand. C. W. Smith. No. 1,215,420; Feb. 13; v. 235; p. 360.
- Folding stand. H. A. Stone. No. 1,227,850; May 29; v. 238; p. 1434.
- Folding stand or support. W. J. Armstrong. No. 1,241,486; Oct. 2; v. 243; p. 3.
- Folding table. A. Abraham. No. 1,237,269; Aug. 21; v. 241; p. 629.
- Folding table. J. W. Bereman. No. 1,219,694; Mar. 20; v. 236; p. 695.
- Folding table. F. M. Burrowes. No. 1,215,479; Feb. 13; v. 235; p. 381.
- Folding table. E. T. Burrowes. No. 1,235,431; July 31; v. 240; p. 1393.
- Folding table. E. T. Burrowes. No. 1,235,432; July 31; v. 240; p. 1394.
- Folding table. E. T. Burrowes. No. 1,235,433; July 31; v. 240; p. 1394.
- Folding table. E. T. Burrowes. No. 1,235,434; July 31; v. 240; p. 1394.
- Folding table. H. A. Frank. No. 1,240,962; Sept. 25; v. 242; p. 805.
- Folding table. H. A. Frank. No. 1,240,963; Sept. 25; v. 242; p. 805.
- Folding table. H. A. Frank. No. 1,240,964; Sept. 25; v. 242; p. 806.
- Folding table. C. O. Garman. No. 1,238,999; Sept. 4; v. 242; p. 90.
- Folding table. J. G. Gullede. No. 1,220,417; Mar. 27; v. 236; p. 987.
- Folding table. W. H. Heffner. No. 1,220,631; Mar. 27; v. 236; p. 1062.
- Folding table. G. H. Henderson. No. 1,242,347; Oct. 9; v. 243; p. 319.
- Folding table. C. F. Kade. No. 1,217,772; Feb. 27; v. 235; p. 1284.
- Folding table. A. D. Lane. No. 1,229,099; June 5; v. 239; p. 243.
- Folding table. E. H. Mosher. No. 1,233,389; July 17; v. 240; p. 679.
- Folding table. R. A. Nesmith and W. H. Sibbald. No. 1,229,645; June 12; v. 239; p. 478.
- Folding table. J. and F. Porrazzo. No. 1,210,983; Jan. 2; v. 234; p. 209.
- Folding table. H. W. Sellner. No. 1,235,934; Aug. 7; v. 241; p. 133.
- Folding table. H. A. Stone. No. 1,239,136; Sept. 4; v. 242; p. 134.
- Folding table. O. S. Tenley. No. 1,213,976; Jan. 30; v. 234; p. 1372.
- Folding table. W. M. Webster. No. 1,248,044; Nov. 27; v. 244; p. 950.
- Folding table or seat, Portable. P. J. Risdon. No. 1,238,338; Aug. 28; v. 241; p. 1007.
- Food. S. R. Barnett. No. 1,230,817; June 19; v. 239; p. 901.
- Food and beverage mixer. W. P. Robertson. No. 1,227,671; May 29; v. 238; p. 1372.
- Food and beverage mixer. W. P. Robertson. No. 1,227,935; May 29; v. 238; p. 1462.
- Food and beverage mixing device. W. P. Robertson. No. 1,228,823; June 5; v. 239; p. 152.
- Food and making same. Cattle. E. E. Fucich. No. 1,244,847; Oct. 30; v. 243; p. 1194.
- Food and preparing the same. M. Quinane. No. 1,214,218; Jan. 30; v. 234; p. 1454.
- Food and producing the same. Stock. O. B. Wescott. No. 1,215,597; Feb. 13; v. 235; p. 427.
- Food and water cooler, Combination. W. N. Amsbury and T. D. Stewart. No. 1,229,011; June 5; v. 239; p. 214.
- Food, Apparatus for electrical sterilization of. J. Hansen. No. 1,231,883; July 3; v. 240; p. 117.
- Food, Breakfast. G. Cockrell. No. 1,244,586; Oct. 30; v. 243; p. 1116.
- Food, Breakfast. H. C. May. No. 1,245,255; Nov. 6; v. 244; p. 34.
- Food, Cereal. R. S. Cates. No. 1,219,809; Mar. 20; v. 236; p. 735.
- Food, Cereal. R. J. Foster. No. 1,211,126; Jan. 2; v. 234; p. 256.
- Food-chopper. H. P. Ball. No. 1,219,423; Mar. 20; v. 236; p. 601.
- Food-chopper. F. R. Pershing. No. 1,211,343; Jan. 2; v. 234; p. 331.
- Food-chopper. C. Schock. No. 1,236,607; Aug. 14; v. 241; p. 378.
- Food-chopper. T. L. Stroud. No. 1,238,358; Aug. 28; v. 241; p. 1013.
- Food composition. J. M. W. Kitchen. No. 1,230,091; June 12; v. 239; p. 623.
- Food compositions, Making. J. C. Fleming. No. 1,213,854; Jan. 30; v. 234; p. 1331.
- Food compound. A. G. Fatica. No. 1,236,831; Aug. 14; v. 241; p. 453.
- Food compound. J. C. Fleming. No. 1,232,267; July 3; v. 240; p. 245.
- Food-container. S. Holmgren. No. 1,249,756; Dec. 11; v. 245; p. 415.
- Food container, Poisoned-. P. Erickson. No. 1,233,332; July 17; v. 240; p. 659.
- Food-dispenser. M. Quinliven and L. Sadler. No. 1,221,217; Apr. 3; v. 237; p. 77.
- Food or other article and making the same, Imitation. C. Jaeger. No. 1,212,066; Jan. 9; v. 234; p. 614.
- Food-package. G. W. Mathison. No. 1,240,235; Sept. 18; v. 242; p. 547.
- Food-preparing apparatus. J. D. Belton. No. 1,228,640; June 5; v. 239; p. 90.
- Food, Preparing cereal. J. E. Engstad. No. 1,231,143; June 26; v. 239; p. 1052.
- Food product. A. V. Black. No. 1,210,589; Jan. 2; v. 234; p. 73.
- Food product. J. C. Fleming. No. 1,211,124; Jan. 2; v. 234; p. 256.
- Food product. W. B. Gere. No. 1,215,363; Feb. 13; v. 235; p. 341.
- Food product. W. B. Gere. No. 1,236,700; Aug. 14; v. 241; p. 410.
- Food product. K. Kanzaki. No. 1,220,751; Mar. 27; v. 236; p. 1101.
- Food product. J. M. C. Negrete. No. 1,243,964; Oct. 23; v. 243; p. 891.
- Food product. R. Wiles. No. 1,212,722; Jan. 16; v. 234; p. 879.
- Food product and making same. R. H. McKee. No. 1,251,070; Dec. 25; v. 245; p. 892.
- Food product and making the same. R. H. and W. C. Bent. No. 1,222,062; Apr. 10; v. 237; p. 401.

Alphabetical list of inventions—Continued.

- Food product and manufacturing and preparing the same. W. B. Gere. No. 1,219,286; Mar. 13; v. 236; p. 522.
- Food product and preparing same. J. H. Kellogg. No. 1,219,005; Mar. 13; v. 236; p. 428.
- Food product and the like, Concentrated. T. Boberg, O. Söderlund, and F. Åslund. No. 1,240,029; Sept. 11; v. 242; p. 442.
- Food product consisting of globules of starchy material and preparing the same. F. G. Lorenzen. No. 1,211,462; Jan. 9; v. 234; p. 406.
- Food product manufactured from potatoes or yams and producing same. J. H. Williams. No. 1,238,371; Aug. 28; v. 241; p. 1017.
- Food product manufactured from sweet potatoes or yams and producing same. J. H. Williams. No. 1,238,372; Aug. 28; v. 241; p. 1018.
- Food product manufactured from sweet potatoes or yams and producing same. J. H. Williams. No. 1,238,373; Aug. 28; v. 241; p. 1018.
- Food product, Rice. A. Matsuo. No. 1,248,884; Dec. 4; v. 245; p. 135.
- Food products, Estimating the solid content of liquid. J. J. Mojonnier. No. 1,221,357; Apr. 3; v. 237; p. 125.
- Food products, Packing. P. W. Fleischer. No. 1,231,585; July 3; v. 240; p. 15.
- Foods and products of the same, Packing cooked. R. W. Crocker. (Reissue.) No. 14,337; July 31; v. 240; p. 1431.
- Foods, Shortener for baking. F. C. Atkinson. No. 1,231,114; June 26; v. 239; p. 1043.
- Foot ailments, Appliance for correcting. W. H. Wood. No. 1,243,124; Oct. 16; v. 243; p. 601.
- Foot, Artificial. W. Carrico. No. 1,219,374; Mar. 13; v. 236; p. 554.
- Foot-ball pants. H. Goldsmith. No. 1,225,799; May 15; v. 238; p. 675.
- Foot-cap. W. L. Bliss. No. 1,238,738; Sept. 4; v. 242; p. 6.
- Foot-dress. M. A. Clarke. No. 1,227,750; May 29; v. 238; p. 1399.
- Foot-gage. T. J. Madden. No. 1,221,557; Apr. 3; v. 237; p. 196.
- Foot-guard. P. A. Stromberg. No. 1,234,817; July 31; v. 240; p. 1206.
- Foot impressions, Device for taking. G. G. Rosino. No. 1,225,500; May 8; v. 238; p. 531.
- Foot-motor. L. B. De Camp. No. 1,233,036; July 10; v. 240; p. 528.
- Foot-rest. G. A. Cramer. No. 1,211,824; Jan. 9; v. 234; p. 531.
- Foot-rest. J. Flischer. No. 1,250,830; Dec. 18; v. 245; p. 772.
- Foot-rest. E. Riley. No. 1,221,596; Apr. 3; v. 237; p. 208.
- Foot-rest. J. H. Robertson. No. 1,218,120; Mar. 6; v. 236; p. 81.
- Foot-rest. E. M. Wallace. No. 1,217,246; Feb. 27; v. 235; p. 1099.
- Foot-rest. C. Westman. No. 1,231,107; June 26; v. 239; p. 1040.
- Foot-rest, Accelerator. H. L. Bill. No. 1,218,047; Mar. 6; v. 236; p. 56.
- Foot-rest and foot-warmer. B. H. Bower. No. 1,240,301; Sept. 18; v. 242; p. 567.
- Foot-rest and heater, Combined. F. H. Petitmaire. No. 1,246,153; Nov. 13; v. 244; p. 332.
- Foot-rest and robe-holder, Combination. J. D. McRae. No. 1,249,156; Dec. 4; v. 245; p. 210.
- Foot-support. A. E. Block. No. 1,243,692; Oct. 23; v. 243; p. 803.
- Foot-support. S. Ferrigno. No. 1,241,839; Oct. 2; v. 243; p. 118.
- Foot-support. G. W. Hawley. No. 1,239,789; Sept. 11; v. 242; p. 369.
- Foot-support. G. A. Vrooman. No. 1,215,891; Feb. 13; v. 235; p. 531.
- Foot-support. L. W. V. Wilms. No. 1,232,455; July 3; v. 240; p. 303.
- Foot-treatment apparatus. L. W. Wilms. No. 1,213,786; Jan. 23; v. 234; p. 1277.
- Foot-warmer. J. B. Lisske. No. 1,250,330; Dec. 18; v. 245; p. 622.
- Footstool, Wheeled. C. B. McLaughlin. No. 1,248,358; Nov. 27; v. 244; p. 1040.
- Footwear-adjuster. R. P. and R. A. Orr. No. 1,238,432; Aug. 28; v. 241; p. 1037.
- Footwear, Article of. H. R. Strauss. No. 1,247,467; Nov. 20; v. 244; p. 753.
- Footwear, Detachable and interchangeable tread for. A. W. Pougher. No. 1,236,350; Aug. 7; v. 241; p. 261.
- Force-feed lubricator. H. J. Leighton. No. 1,243,309; Oct. 16; v. 243; p. 657.
- Force-feed lubricator. T. C. Thomsen. No. 1,233,935; July 17; v. 240; p. 857.
- Force-feed lubricator. W. F. Van Guysling. No. 1,212,715; Jan. 16; v. 234; p. 876.
- Force, Utilizing an expansive. H. A. Humphrey. No. 1,243,296; Oct. 16; v. 243; p. 652.
- Forge. C. W. Canfield. No. 1,247,076; Nov. 20; v. 244; p. 642.
- Forge, Knockdown. H. B. Keiper. No. 1,221,187; Apr. 3; v. 237; p. 66.
- Forge, Portable. L. Crawford. No. 1,248,816; Dec. 4; v. 245; p. 116.
- Forge, Portable. A. S. Walker. No. 1,212,293; Jan. 16; v. 234; p. 726.
- Forge, Rivet. T. W. Muckle. No. 1,230,593; June 19; v. 239; p. 829.
- Forging annular work, Die-machine for. J. H. Ames. No. 1,224,829; May 1; v. 238; p. 253.
- Forging apparatus. E. H. Steedman. No. 1,251,128; Dec. 25; v. 245; p. 909.
- Forging apparatus, Automatic. A. W. Morris. No. 1,227,175; May 22; v. 238; p. 1179.
- Forging-die. G. T. Jacobs. No. 1,213,878; Jan. 30; v. 234; p. 1339.
- Forging-machine. W. S. Johnson. No. 1,244,741; Oct. 30; v. 243; p. 1163.
- Forging-machine for making hollow bodies. F. R. Long. No. 1,211,193; Jan. 2; v. 234; p. 280.
- Forging machine, Metal. C. F. Walp and A. F. O'Leary. No. 1,244,803; Oct. 30; v. 243; p. 1181.
- Forgings, Forming hollow. E. H. Steedman. No. 1,212,120; Jan. 9; v. 234; p. 632.
- Fork: See—
Carving-fork. Pitchfork.
Clam-fork. Trolley-fork.
Kitchen-fork.
- Fork. E. Anderson. No. 1,213,446; Jan. 23; v. 234; p. 1162.
- Fork and rake, Convertible. I. V. Skipper. No. 1,226,265; May 15; v. 238; p. 837.
- Fork-clamp. H. H. Herkens. No. 1,246,597; Nov. 13; v. 244; p. 467.
- Form, Adjustable dress-. A. D. Bailey. No. 1,225,207; May 8; v. 238; p. 451.
- Form, Adjustable dress-. C. W. Farquharson. No. 1,221,522; Apr. 3; v. 237; p. 183.
- Form, Adjustable dress-. C. A. Ufford. No. 1,221,490; Apr. 3; v. 237; p. 171.
- Form, Adjustable model dress-. M. Luery. No. 1,221,550; Apr. 3; v. 237; p. 193.
- Form attachment, Dress-. G. O. Robinson. No. 1,235,925; Aug. 7; v. 241; p. 130.
- Form, Bust-. M. V. Heuchan. No. 1,250,875; Dec. 18; v. 245; p. 785.
- Form-clamp. J. A. Lynch and J. L. Anderson. No. 1,251,256; Dec. 25; v. 245; p. 946.
- Form connection, Adjustable dress-. J. Kersten. No. 1,218,272; Mar. 6; v. 236; p. 135.
- Form, Cushion-. F. Gero. No. 1,229,440; June 12; v. 239; p. 408.
- Form, Dress-. H. Belling-Küng. No. 1,246,224; Nov. 13; v. 244; p. 353.
- Form, Dress-. F. B. Granger. No. 1,217,936; Mar. 6; v. 236; p. 18.
- Form, Dress-. F. B. Granger. No. 1,228,908; June 5; v. 239; p. 181.
- Form, Dress-. P. F. Quinn. No. 1,239,721; Sept. 11; v. 242; p. 349.
- Form, Dress-. J. M. Vandergrift. No. 1,235,613; Aug. 7; v. 241; p. 28.
- Form for shrouds. E. G. Gereke. No. 1,247,663; Nov. 27; v. 244; p. 842.
- Form, Garment-. A. D. Smith. No. 1,248,028; Nov. 27; v. 244; p. 947.
- Form, Garment-supporting. E. Kolbert. No. 1,242,703; Oct. 9; v. 243; p. 434.
- Form-holder and wall-tie. H. G. Tenholder. No. 1,224,810; May 1; v. 238; p. 246.
- Form-roller. H. A. W. Wood. No. 1,251,158; Dec. 25; v. 245; p. 918.
- Forms, Adjustable connecting device for dress-. M. Luery, T. S. Levis, and B. S. Nelson. No. 1,221,549; Apr. 3; v. 237; p. 193.
- Forms, Top construction for dress-. J. Kersten. No. 1,218,271; Mar. 6; v. 236; p. 135.
- Forming and assembling machine. E. P. Smith. No. 1,218,810; Mar. 13; v. 236; p. 360.
- Forming and cut-off tool, Combined. C. M. Spencer. No. 1,223,438; Apr. 24; v. 237; p. 953.
- Forming and quenching machine. W. J. Peck. No. 1,249,473; Dec. 11; v. 245; p. 332.
- Forming-in machine. A. E. Johnson. No. 1,217,456; Feb. 27; v. 235; p. 1173.
- Forming-machine. C. E. Erickson. No. 1,225,602; May 8; v. 238; p. 567.
- Formaldehyde, Manufacture of. G. Calvert. No. 1,213,740; Jan. 23; v. 234; p. 1261.
- Formaldehyde, Manufacture of crystalline polymerization products of. F. Pollak. No. 1,230,600; June 19; v. 239; p. 831.
- Formates, Manufacture of. S. H. Katz and F. K. Ovlitz. No. 1,212,359; Jan. 16; v. 234; p. 747.
- Formic acid, Production of. G. Bredig. No. 1,235,426; July 31; v. 240; p. 1392.
- Fortification-breastworks, Collapsible. L. S. Bradshaw. No. 1,246,228; Nov. 13; v. 244; p. 354.
- Fortification-shield. G. G. Ison. No. 1,226,075; May 15; v. 238; p. 770.
- Fountain: See—
Chicken-fountain. Printing-press ink-fountain.
Drinking-fountain. Stock-fountain.
Portable-fountain.
Poultry-fountain.

- Fountain. A. O. Ziener. No. 1,243,126; Oct. 16; v. 243; p. 601.
- Fountain-comb. E. O'Connell. No. 1,221,578; Apr. 3; v. 237; p. 203.
- Fountain-comb. J. H. Cottle. No. 1,232,005; July 3; v. 240; p. 157.
- Fountains, Heating system for drinking-. J. W. Campbell. No. 1,251,338; Dec. 25; v. 245; p. 971.
- Four-horse evener. E. W. Sayers. No. 1,216,734; Feb. 20; v. 235; p. 881.
- Fourdrinier machine. A. J. Davies. No. 1,220,611; Mar. 27; v. 236; p. 1055.
- Fourdrinier machine. A. J. Davies. No. 1,231,717; July 3; v. 240; p. 62.
- Fourdrinier machine. G. Schenck. No. 1,246,945; Nov. 20; v. 244; p. 604.
- Fowl-catcher. E. Bender. No. 1,231,116; June 26; v. 239; p. 1044.
- Fowl-disinfectant apparatus. D. B. Bird. No. 1,230,843; June 26; v. 239; p. 950.
- Fowl-holder. G. C. Haley. No. 1,237,777; Aug. 21; v. 241; p. 793.
- Fowls, Device for plucking. E. Faint. No. 1,218,174; Mar. 6; v. 236; p. 99.
- Fowls, Laying-register for. G. H. Dillon. No. 1,243,271; Oct. 16; v. 243; p. 644.
- Fractions, Device for the study of common. E. C. Jacobs. No. 1,224,748; May 1; v. 238; p. 225.
- Fracture apparatus. A. Roth. No. 1,226,013; May 15; v. 238; p. 747.
- Fragile objects, such as sheet-glass and the like, Device for lifting, lowering, and conveying. G. Monnet. No. 1,228,690; June 5; v. 239; p. 108.
- Frame. See—
 Assembling-frame. Machine-frame.
 Awning-frame. Mattress-frame.
 Bag-frame. Metal frame.
 Bed-frame. Mirror-frame.
 Bicycle-frame. Motor-cycle side-car frame.
 Canopy-frame. Oculist's testing-frame.
 Car-frame. Photographic - printing frame.
 Car-jacking frame. Picture-frame.
 Car-window frame. Picture-screen frame.
 Car-window side frame. Pipe-supporting frame.
 Carpet-beating frame. Printing-frame.
 Churn-frame. Quilting-frame.
 Color-frame. Receptacle-frame.
 Curtain-frame. Screen-frame.
 Cycle-frame. Screen-supporting frame.
 Dental occluding-frame. Sheet-metal frame.
 Door-frame. Shocking-machine frame.
 Drying-frame. Silo-door frame.
 Filter-frame. Spectacle-frame.
 Folding frame. Spinning-frame.
 Furnace-door frame. Stove-frame.
 Gear-frame. Supporting-frame.
 Grindstone-frame. Suspension-frame.
 Hacksaw-frame. Table-frame.
 Hair-dressing frame. Tambour-frame.
 Harvesting-machine frame. Tent-frame.
 Hosiery-frame. Tent-opening frame.
 Implement-frame. Trial-frame.
 Imposition-frame. Truck-frame.
 Index-frame. Truck side frame.
 Knitting-frame. Vehicle-top frame.
 Lamp-shade frame. Window-frame.
 Lens-frame.
 Locomotive-frame.
 Loom heddle-frame.
- Frame. J. H. Brewer. No. 1,227,577; May 29; v. 238; p. 1339.
- Frame corner-lock, Metal-. F. G. Kapelman. No. 1,249,416; Dec. 11; v. 245; p. 316.
- Frame parts together, Means for uniting. A. B. Horne. No. 1,232,447; July 3; v. 240; p. 301.
- Framing-tool. H. G. S. Kidder. No. 1,237,790; Aug. 21; v. 241; p. 797.
- Freezer. R. H. Sexton. No. 1,221,482; Apr. 3; v. 237; p. 168.
- Freezers, Alternate driving-gearing for. W. H. Stemple. No. 1,220,903; Mar. 27; v. 236; p. 1153.
- Freezing, Device for protecting receptacles against. G. W. Tribbey. No. 1,226,050; May 15; v. 238; p. 753.
- Freezing fish and other goods in cases or freezing-molds. N. Dahl. No. 1,235,661; Aug. 7; v. 241; p. 43.
- Freight gang-plank. L. Simpson. No. 1,232,437; July 3; v. 240; p. 297.
- Freight-tally. L. M. Whitehead. No. 1,234,242; July 24; v. 240; p. 991.
- Freight-terminal. B. F. Fitch. No. 1,239,264; Sept. 4; v. 242; p. 175.
- Freight-transporter. I. A. Bayley. No. 1,230,838; June 26; v. 239; p. 948.
- Frequency-changing mechanism. F. W. Meyer. No. 1,222,440; Apr. 10; v. 237; p. 536.
- Friction and hermetically-sealed can, Combined. J. G. Hodgson. No. 1,240,976; Sept. 25; v. 242; p. 809.
- Friction-brake. S. S. Bends. No. 1,250,270; Dec. 18; v. 245; p. 605.
- Friction-coupling. L. Dufour. No. 1,231,341; June 26; v. 239; p. 1117.
- Friction gravity-drive. J. F. Gilmore. No. 1,240,560; Sept. 18; v. 242; p. 648.
- Friction-top can. J. G. Hodgson. No. 1,251,027; Dec. 25; v. 245; p. 880.
- Friction-top can. J. H. Specht. No. 1,247,029; Nov. 20; v. 244; p. 628.
- Frictional spring. B. S. Johnson. No. 1,250,585; Dec. 18; v. 245; p. 699.
- Frog. N. O. Goldsmith. No. 1,246,418; Nov. 13; v. 244; p. 412.
- Frog, Movable. A. L. Vissat. No. 1,231,676; July 3; v. 240; p. 47.
- Frogless switch. G. S. Patton. No. 1,220,544; Mar. 27; v. 236; p. 1031.
- Front-lever and type-bar support, Combined. F. L. Mathies. No. 1,217,325; Feb. 27; v. 235; p. 1126.
- Frost-forming preventer. M. S. Shanks and W. J. Nickell. No. 1,249,215; Dec. 4; v. 245; p. 228.
- Frost on trees and other vegetation, Means for preventing. G. H. Barker. No. 1,225,394; May 8; v. 238; p. 496.
- Frost-protection system. A. J. Perkins. No. 1,215,057; Feb. 6; v. 235; p. 203.
- Fruit and potato gatherer. J. W. Cooper. No. 1,212,909; Jan. 16; v. 234; p. 941.
- Fruit and vegetable grader. W. G. Palmer. No. 1,228,044; May 29; v. 238; p. 1500.
- Fruit and vegetable grader. W. G. Palmer. No. 1,251,093; Dec. 25; v. 245; p. 898.
- Fruit and vegetable peeling machine. J. H. Hamlin. No. 1,244,452; Oct. 23; v. 243; p. 1036.
- Fruit and vegetable sizer, Automatic scale-weight. O. N. Boyer. No. 1,222,842; Apr. 17; v. 237; p. 716.
- Fruit, Apparatus for removing stems from fresh. J. B. Foote. No. 1,234,697; July 24; v. 240; p. 1135.
- Fruit-box press. E. S. Sutton. No. 1,237,971; Aug. 21; v. 241; p. 854.
- Fruit-clipper. L. A. Bockstahler. No. 1,242,645; Oct. 9; v. 243; p. 415.
- Fruit-cover. R. P. Clark. No. 1,230,865; June 26; v. 239; p. 957.
- Fruit cutting and pitting machine. K. G. Moltzner. No. 1,223,343; Apr. 17; v. 237; p. 887.
- Fruit, Device for stripping leaves from. C. E. Lannin. No. 1,222,003; Apr. 10; v. 237; p. 382.
- Fruit-drier. B. R. Haley. No. 1,216,442; Feb. 20; v. 235; p. 781.
- Fruit-drier. L. B. Skinner. No. 1,214,234; Jan. 30; v. 234; p. 1460.
- Fruit for shipment, Apparatus for preparing. T. J. Peters. No. 1,245,380; Nov. 6; v. 244; p. 71.
- Fruit-gatherer. P. T. Delenicoff. No. 1,228,413; June 5; v. 239; p. 13.
- Fruit-gatherer. R. C. Gifford. No. 1,216,106; Feb. 13; v. 235; p. 609.
- Fruit-gatherer. P. H. Lint. No. 1,222,878; Apr. 17; v. 237; p. 730.
- Fruit-gatherer. J. Paul. No. 1,235,371; July 31; v. 240; p. 1376.
- Fruit-grading machine. H. E. Peterson. No. 1,214,821; Feb. 6; v. 235; p. 117.
- Fruit-grading-machine screen. D. R. Throop. No. 1,216,629; Feb. 20; v. 235; p. 846.
- Fruit grading or sizing machine. J. D. Black. No. 1,245,662; Nov. 6; v. 244; p. 158.
- Fruit-holder. W. E. Brown. No. 1,241,338; Sept. 25; v. 242; p. 924.
- Fruit-juices, Preparing and preserving. H. F. Cheney. No. 1,214,134; Jan. 30; v. 234; p. 1426.
- Fruit-knife. R. H. Newman. No. 1,226,797; May 22; v. 238; p. 1050.
- Fruit-marking apparatus. F. Ahlburg. No. 1,237,442; Aug. 21; v. 241; p. 686.
- Fruit matter for food production, Composition of. A. Macleod. No. 1,225,450; May 8; v. 238; p. 516.
- Fruit or berry box, Collapsible. H. Nickelsen. A. McMillan, and H. Pemberton. No. 1,245,369; Nov. 6; v. 244; p. 68.
- Fruit or vegetables, Peeling process for. M. E. Dunkley. No. 1,236,690; Aug. 14; v. 241; p. 408.
- Fruit peel, pulp, and juice machine, Citrus-. J. D. Howe. No. 1,244,331; Oct. 23; v. 243; p. 1001.
- Fruit-picker. G. L. Curtis. No. 1,210,768; Jan. 2; v. 234; p. 134.
- Fruit-picker. D. W. Fellows. No. 1,240,128; Sept. 11; v. 242; p. 473.
- Fruit-picker. P. D. Gifford. No. 1,214,450; Jan. 30; v. 234; p. 1534.
- Fruit-picker. E. E. Goheen. No. 1,245,155; Nov. 6; v. 244; p. 4.
- Fruit-picker. E. Hodalj. No. 1,217,867; Feb. 27; v. 235; p. 1315.
- Fruit-picker. J. Mainwaring. No. 1,241,642; Oct. 2; v. 243; p. 56.
- Fruit-picker. B. McNeill. No. 1,241,411; Sept. 25; v. 242; p. 945.
- Fruit-picker. G. Mitchell. No. 1,223,601; Apr. 24; v. 237; p. 1010.
- Fruit-picker. G. R. Reynolds. No. 1,235,601; Aug. 7; v. 241; p. 24.
- Fruit-picker. F. J. Sienker. No. 1,242,059; Oct. 2; v. 243; p. 187.
- Fruit-picker. S. M. Smith. No. 1,246,173; Nov. 13; v. 244; p. 337.
- Fruit-picker. V. W. Young. No. 1,225,097; May 8; v. 238; p. 395.

Alphabetical list of inventions—Continued.

- Fruit picker and gatherer. T. M. Raney. No. 1,247,878; Nov. 27; v. 244; p. 905.
- Fruit-picker's sack. R. U. Gavette. No. 1,216,561; Feb. 20; v. 235; p. 822.
- Fruit-pitter. W. Knox. No. 1,237,528; Aug. 21; v. 241; p. 713.
- Fruit-pitting machine. W. F. Morse. No. 1,244,757; Oct. 30; v. 243; p. 1168.
- Fruit-press. J. K. Dzielatowski. No. 1,232,251; July 3; v. 240; p. 239.
- Fruit seeder or pitter. H. B. Jones. No. 1,220,854; Mar. 27; v. 236; p. 1138.
- Fruit-sizing machine. H. G. Pearson. No. 1,242,034; Oct. 2; v. 243; p. 179.
- Fruit-sizing machine. W. K. Price. No. 1,246,463; Nov. 13; v. 244; p. 426.
- Fruit-stand. M. Marks. No. 1,217,038; Feb. 20; v. 235; p. 983.
- Fruit-stand. Folding. M. S. Sabel. No. 1,235,248; July 31; v. 240; p. 1339.
- Fruit-stemming apparatus. J. B. Foote. No. 1,234,698; July 24; v. 240; p. 1136.
- Fruit-stoning apparatus. B. Mai. No. 1,225,838; May 15; v. 238; p. 688.
- Fruit, Stuffed. H. C. Newcomb. No. 1,231,286; June 26; v. 239; p. 1099.
- Fruit-washer. F. C. Randall. No. 1,245,767; Nov. 6; v. 244; p. 188.
- Fruit-washer. F. C. Randall. No. 1,245,768; Nov. 6; v. 244; p. 189.
- Fruit-washer. O. B. Wescott. No. 1,215,596; Feb. 13; v. 235; p. 427.
- Fruits and vegetables, Removing the skins from. W. B. Fenn. No. 1,243,724; Oct. 23; v. 243; p. 815.
- Fruits, Machine for extracting juice from. S. E. Creasey. No. 1,236,406; Aug. 14; v. 241; p. 312.
- Fruits or vegetables, Device for removing stones or seeds from. A. G. Connelly. No. 1,230,123; June 19; v. 239; p. 672.
- Fruits, Removing skins from dried. H. A. Beekhuis. No. 1,246,223; Nov. 13; v. 244; p. 352.
- Frying-pan. G. Epprecht. No. 1,216,973; Feb. 20; v. 235; p. 962.
- Frying-pan, Folding. C. J. O'Reily. No. 1,210,974; Jan. 24; v. 234; p. 206.
- Frying-pans and the like, Grid for. O. C. Richardson. No. 1,233,909; July 17; v. 240; p. 848.
- Fuel and burning the same. C. F. Schrimpe. No. 1,248,557; Dec. 4; v. 245; p. 38.
- Fuel and lighter, Composition. E. H. Smirk. No. 1,219,178; Mar. 13; v. 236; p. 486.
- Fuel, Apparatus for feeding powdered or pulverized. F. Caldwell. No. 1,231,488; June 26; v. 239; p. 1166.
- Fuel-box. T. Hackerson. No. 1,223,273; Apr. 17; v. 237; p. 862.
- Fuel-burning device. W. C. Skinner. No. 1,225,280; May 8; v. 238; p. 455.
- Fuel, Burning pulverized. V. Z. Caracristi. No. 1,234,870; July 31; v. 240; p. 1223.
- Fuel-combustion apparatus, Liquid-. J. S. Loder. No. 1,243,311; Oct. 16; v. 243; p. 658.
- Fuel composition and making the same, Liquid-. A. W. Swanberg. No. 1,225,405; May 8; v. 238; p. 501.
- Fuel-economizer. E. H. Foster. No. 1,239,377; Sept. 4; v. 242; p. 210.
- Fuel-economizer, Smokeless. C. W. Johns. No. 1,243,943; Oct. 23; v. 243; p. 884.
- Fuel-feed system, Vacuum. W. Falwell. No. 1,249,939; Dec. 11; v. 245; p. 469.
- Fuel feeder, Pulverized-. E. T. Stewart. No. 1,217,237; Feb. 27; v. 235; p. 1096.
- Fuel, Feeding and burning fine. W. D. Wood. No. 1,232,640; July 10; v. 240; p. 397.
- Fuel, Feeding and burning fine. W. D. Wood and H. G. Barnhurst. No. 1,228,632; June 5; v. 239; p. 87.
- Fuel feeding and carbureting mechanism. J. C. Coulombe. No. 1,246,887; Nov. 20; v. 244; p. 588.
- Fuel-feeding apparatus. B. C. Smith. No. 1,237,964; Aug. 21; v. 241; p. 850.
- Fuel-feeding apparatus. F. Weinberg. No. 1,242,287; Oct. 9; v. 243; p. 300.
- Fuel-feeding apparatus, Comminuted-. C. L. Heisler. No. 1,237,334; Aug. 21; v. 241; p. 651.
- Fuel-feeding apparatus, Pulverized-. C. A. Brauchler. No. 1,231,327; June 26; v. 239; p. 1113.
- Fuel-feeding apparatus, Pulverized-. J. E. Muhlfeld. No. 1,243,753; Oct. 23; v. 243; p. 826.
- Fuel-feeding device. W. McClave. No. 1,239,612; Sept. 11; v. 242; p. 313.
- Fuel-feeding device. W. Shurtleff. No. 1,244,553; Oct. 30; v. 243; p. 1106.
- Fuel-feeding mechanism. W. Shurtleff. No. 1,243,990; Oct. 23; v. 243; p. 898.
- Fuel-feeding system. F. Caldwell. No. 1,238,633; Aug. 28; v. 241; p. 1102.
- Fuel, Firing-chamber for powdered. W. D. Wood. No. 1,222,344; Apr. 10; v. 237; p. 502.
- Fuel-heater. C. W. Cummings. No. 1,251,185; Dec. 25; v. 245; p. 925.
- Fuel-heating device. J. H. Batchelor. No. 1,228,517; June 5; v. 239; p. 49.
- Fuel-injector. W. Schenker. No. 1,238,828; Sept. 4; v. 242; p. 34.
- Fuel, Manufacturing. J. Miller. No. 1,241,648; Oct. 2; v. 243; p. 58.
- Fuel, Means for promoting combustion of. G. P. Ward. No. 1,251,146; Dec. 25; v. 245; p. 914.
- Fuel, Method and apparatus for burning. G. H. Kaemerling. No. 1,251,043; Dec. 25; v. 245; p. 884.
- Fuel-mixer. G. A. Bertsch. No. 1,216,403; Feb. 20; v. 235; p. 767.
- Fuel mixer, Gaseous-. J. T. Curtis. No. 1,233,558; July 17; v. 240; p. 735.
- Fuel mixer, Gaseous-. J. W. Lattig. No. 1,233,256; July 10; v. 240; p. 598.
- Fuel-mixing device. G. A. Hedrick. No. 1,237,779; Aug. 21; v. 241; p. 794.
- Fuel, Producing motor-. W. A. Hall. No. 1,242,796; Oct. 9; v. 243; p. 462.
- Fuel-regulating device. G. E. Lee. No. 1,228,793; June 5; v. 239; p. 142.
- Fuel-regulating system, Fluid-. T. H. Ferguson. No. 1,243,396; Oct. 16; v. 243; p. 681.
- Fuel-regulator. H. E. Reeve. No. 1,238,940; Sept. 4; v. 242; p. 70.
- Fuel-reserve tank. W. D. Rockwell. No. 1,248,403; Nov. 27; v. 244; p. 1052.
- Fuel-saver and smoke-consumer. J. L. Webster. No. 1,230,962; June 26; v. 239; p. 989.
- Fuel-saver and smoke-consumer. L. D. West. No. 1,247,761; Nov. 27; v. 244; p. 872.
- Fuel-saving device. W. C. Blaske. No. 1,217,267; Feb. 27; v. 235; p. 1106.
- Fuel-supply device. R. H. Cobb. No. 1,243,813; Oct. 23; v. 243; p. 845.
- Fuel-supply system. W. L. Marr. No. 1,236,730; Aug. 14; v. 241; p. 421.
- Fuel, System for feeding pulverized. V. Z. Caracristi. No. 1,214,753; Feb. 6; v. 235; p. 95.
- Fuel-tank. A. Fernandez. No. 1,237,891; Aug. 21; v. 241; p. 828.
- Fuel tanks, Attachment for liquid-. B. A. Mires. No. 1,231,774; July 3; v. 240; p. 80.
- Fuel valve and strainer. C. C. Andersen. No. 1,214,405; Jan. 30; v. 234; p. 1521.
- Fuels, Apparatus for atomizing hydrocarbon. A. Costa. No. 1,232,506; July 10; v. 240; p. 357.
- Fulcrum, Brake-beam. A. H. Schaffert. No. 1,220,690; Mar. 27; v. 236; p. 1081.
- Fulcrum for brake-beams, Forged. F. J. Schroeder. No. 1,211,490; Jan. 9; v. 234; p. 414.
- Fume-disseminator. V. Slater and L. D. West. No. 1,238,068; Aug. 21; v. 241; p. 885.
- Fume-disseminator. L. D. West. No. 1,229,363; June 12; v. 239; p. 353.
- Fume-extractor, Dry-cleaning. S. S. Dresher. No. 1,240,323; Sept. 18; v. 242; p. 574.
- Fumigating apparatus. C. F. Brady and J. J. Disser. No. 1,244,581; Oct. 30; v. 243; p. 1115.
- Fumigating apparatus. F. M. Hawkins. No. 1,225,627; May 8; v. 238; p. 574.
- Fumigating apparatus. R. N. Sargent. No. 1,222,677; Apr. 17; v. 237; p. 661.
- Fumigating apparatus, Cyanid-gas. P. S. Murphy. No. 1,216,593; Feb. 20; v. 235; p. 834.
- Fumigating-candle and making the same. W. H. Meek. No. 1,222,883; Apr. 17; v. 237; p. 732.
- Fumigating device. D. Fraad. No. 1,214,149; Jan. 30; v. 234; p. 1431.
- Fumigator. B. W. Flanders. No. 1,220,969; Mar. 27; v. 236; p. 1174.
- Fumigator, Poultry-. E. V. Bratton. No. 1,215,336; Feb. 13; v. 235; p. 331.
- Funnel. E. A. Adams. No. 1,246,033; Nov. 13; v. 244; p. 297.
- Funnel. F. C. Baxter and W. H. Kern. No. 1,219,222; Mar. 13; v. 236; p. 501.
- Funnel. F. F. Emory. No. 1,222,611; Apr. 17; v. 237; p. 637.
- Funnel. W. C. Helcher. No. 1,233,352; July 17; v. 240; p. 665.
- Funnel. R. L. McCoy. No. 1,230,189; June 19; v. 239; p. 694.
- Funnel. C. Melchiori. No. 1,237,800; Aug. 21; v. 241; p. 799.
- Funnel and gage. J. B. Burkett. No. 1,243,587; Oct. 16; v. 243; p. 738.
- Funnel, Collapsible. C. Lester. No. 1,242,453; Oct. 9; v. 243; p. 352.
- Funnel, Collapsible. H. S. Welsh. No. 1,247,354; Nov. 20; v. 244; p. 721.
- Fur and hair, Secreting. L. F. Paris. No. 1,218,403; Jan. 23; v. 234; p. 1147.
- Fur-beating machine. S. and M. J. Baruch, T. Lindner, and S. Goldsmith. No. 1,211,659; Jan. 9; v. 234; p. 472.
- Fur-skins, Machine for unhairing. F. M. Wegner. No. 1,242,400; Oct. 9; v. 243; p. 336.
- Fur-stretcher. M. J. Newhouse. No. 1,214,707; Feb. 6; v. 235; p. 80.

- Fur, Treating. W. P. Braun. No. 1,215,246; Feb. 6; v. 235; p. 266.
- Furnace: See—
- Air-heating furnace. Hot-water furnace.
- Annealing-furnace. Induction-furnace.
- Automatic furnace. Mechanically-operated furnace.
- Baking-furnace. Melting-furnace.
- Blast-furnace. Metal-heating furnace.
- Boiler-furnace. Metallurgical furnace.
- Boiler and other furnace. Metallurgical heating-furnace.
- Calcining-furnace. Mold-heating furnace.
- Coking-furnace. Open-hearth furnace.
- Cremation-furnace. Ore-treating furnace.
- Crucible-furnace. Puddling-furnace.
- Distillation-furnace. Recuperative furnace.
- Distilling-furnace. Refuse-furnace.
- Downdraft-furnace. Refuse-burning furnace.
- Electric furnace. Regenerative furnace.
- Electric-arc furnace. Roasting-furnace.
- Electric induction-furnace. Sheet-heating furnace.
- Electrical furnace. Smelting-furnace.
- Fireless furnace. Smokeless oven-furnace.
- Fluid-fuel furnace. Steel-furnace.
- Gas-furnace. Stoker-furnace.
- Glass-tank furnace. Tank-furnace.
- Heating-furnace. Zinc-furnace.
- Heating or annealing furnace.
- Hot-air furnace.
- Furnace. F. E. Balden. No. 1,226,167; May 15; v. 238; p. 800.
- Furnace. H. S. Bennett. No. 1,216,928; Feb. 20; v. 235; p. 946.
- Furnace. H. A. Bergeron. No. 1,220,312; Mar. 27; v. 236; p. 950.
- Furnace. D. O. Berry. No. 1,213,146; Jan. 23; v. 234; p. 1056.
- Furnace. D. R. Bone. No. 1,229,706; June 12; v. 239; p. 498.
- Furnace. F. J. Bowman. No. 1,235,003; July 31; v. 240; p. 1267.
- Furnace. N. Buck. No. 1,233,444; July 17; v. 240; p. 697.
- Furnace. J. M. Carson. No. 1,232,894; July 10; v. 240; p. 844.
- Furnace. C. E. Coughill. No. 1,214,279; Jan. 30; v. 234; p. 1477.
- Furnace. F. Doerinkel. No. 1,213,082; Jan. 16; v. 234; p. 1000.
- Furnace. I. W. Foltz. No. 1,235,516; July 31; v. 240; p. 1420.
- Furnace. I. W. Foltz. No. 1,235,787; Aug. 7; v. 241; p. 84.
- Furnace. G. W. Giley. No. 1,247,666; Nov. 27; v. 244; p. 844.
- Furnace. D. B. Howard. No. 1,233,783; July 17; v. 240; p. 806.
- Furnace. D. S. Jacobus. No. 1,248,661; Dec. 4; v. 245; p. 69.
- Furnace. V. MacKay. No. 1,221,073; Apr. 3; v. 237; p. 24.
- Furnace. A. Martin. No. 1,224,190; May 1; v. 238; p. 27.
- Furnace. F. M. Matteson. No. 1,248,144; Nov. 27; v. 244; p. 980.
- Furnace. R. F. McGowan. No. 1,243,959; Oct. 23; v. 243; p. 889.
- Furnace. C. J. McPherson. No. 1,218,288; Mar. 6; v. 236; p. 141.
- Furnace. J. Z. Miller. No. 1,223,715; Apr. 24; v. 237; p. 1052.
- Furnace. A. Nilson. No. 1,221,082; Apr. 3; v. 237; p. 28.
- Furnace. O. P. Ostergren and E. Lundgren. No. 1,220,161; Mar. 20; v. 236; p. 863.
- Furnace. E. Peckham. No. 1,229,320; June 12; v. 239; p. 368.
- Furnace. B. Perry. No. 1,248,703; Dec. 4; v. 245; p. 81.
- Furnace. H. A. Poppenhusen. No. 1,243,868; Oct. 23; v. 243; p. 862.
- Furnace. H. A. Poppenhusen. No. 1,243,870; Oct. 23; v. 243; p. 862.
- Furnace. H. A. Poppenhusen. No. 1,243,871; Oct. 23; v. 243; p. 863.
- Furnace. H. A. Poppenhusen. No. 1,243,872; Oct. 23; v. 243; p. 863.
- Furnace. G. Rigg and W. L. Coursen. No. 1,220,789; Mar. 27; v. 236; p. 1113.
- Furnace. G. E. Rose, E. P. Bradstrum, and O. U. Grant. No. 1,219,664; Mar. 20; v. 236; p. 685.
- Furnace. A. G. Scherer. No. 1,224,220; May 1; v. 238; p. 37.
- Furnace. A. Smallwood. No. 1,226,267; May 15; v. 238; p. 838.
- Furnace. G. W. Stevenson. No. 1,223,213; Apr. 17; v. 237; p. 844.
- Furnace. A. P. Strong. No. 1,242,263; Oct. 9; v. 243; p. 292.
- Furnace. A. Van Leeuwen, Jr., and F. X. Brunelle. No. 1,240,517; Sept. 18; v. 242; p. 634.
- Furnace. E. Warren. No. 1,248,217; Nov. 27; v. 244; p. 1000.
- Furnace. W. W. Whitton. No. 1,222,251; Apr. 10; v. 237; p. 469.
- Furnace. M. U. Wikstrom. No. 1,217,251; Feb. 27; v. 235; p. 1101.
- Furnace. R. Ziesing. No. 1,237,141; Aug. 14; v. 241; p. 551.
- Furnace and evaporator. J. L. Pierce. No. 1,228,240; May 29; v. 238; p. 1563.
- Furnace and oven apparatus with recovery of heat, Operating. H. Koppers. No. 1,246,114; Nov. 13; v. 244; p. 320.
- Furnace apparatus. W. W. Doolittle. No. 1,216,090; Feb. 13; v. 235; p. 604.
- Furnace arch, Locomotive. J. P. Neff. No. 1,229,380; June 12; v. 239; p. 389.
- Furnace arch, Locomotive-boiler. L. S. Kennedy. No. 1,213,107; Jan. 16; v. 234; p. 1010.
- Furnace-bottoms, Means for lining. J. A. Black. No. 1,240,409; Sept. 18; v. 242; p. 601.
- Furnace-burner for liquid fuel. W. R. Logan. No. 1,248,875; Dec. 4; v. 245; p. 133.
- Furnace-charging system. L. D. Anderson. No. 1,234,998; July 31; v. 240; p. 1265.
- Furnace chill and floor-pipe. W. S. Rockwell. No. 1,227,672; May 29; v. 238; p. 1372.
- Furnace construction. C. A. Hammel. No. 1,248,321; Nov. 27; v. 244; p. 1030.
- Furnace construction. J. E. Johnson, Jr. No. 1,217,185; Feb. 27; v. 235; p. 1078.
- Furnace construction. H. A. Poppenhusen. No. 1,243,869; Oct. 23; v. 243; p. 862.
- Furnace control, Electric. J. A. Seede. No. 1,242,250; Oct. 9; v. 243; p. 238.
- Furnace dead-plate. A. W. Pettie, Jr. No. 1,223,828; Apr. 24; v. 237; p. 1092.
- Furnace-door. L. S. Schmidt. No. 1,211,884; Jan. 9; v. 234; p. 552.
- Furnace-door device. J. L. Mohun. No. 1,235,228; July 31; v. 240; p. 1333.
- Furnace-door frame. L. S. Schmidt. No. 1,211,883; Jan. 9; v. 234; p. 552.
- Furnace-door-lifting apparatus. S. Dillon. No. 1,249,605; Dec. 11; v. 245; p. 370.
- Furnace-door opener. M. Walton. No. 1,241,061; Sept. 25; v. 242; p. 836.
- Furnace door-operating means. T. G. Selleck. No. 1,215,413; Feb. 13; v. 235; p. 360.
- Furnace draft-operator. W. Hann. No. 1,210,794; Jan. 2; v. 234; p. 143.
- Furnace draft-regulator. F. M. Powell. No. 1,213,944; Jan. 30; v. 234; p. 1361.
- Furnace draft-regulator. A. M. Smith. No. 1,245,282; Nov. 6; v. 244; p. 42.
- Furnace fire-bridge. J. H. Clegg. No. 1,229,887; June 12; v. 239; p. 558.
- Furnace for burning coke and charcoal. F. E. Kabase. No. 1,236,573; Aug. 14; v. 241; p. 367.
- Furnace for pulverous fuel. K. H. V. von Porat. No. 1,229,685; June 12; v. 239; p. 492.
- Furnace-front. J. H. Hume. No. 1,222,101; Apr. 10; v. 237; p. 415.
- Furnace-grate. H. L. Doherty. No. 1,235,121; July 31; v. 240; p. 1302.
- Furnace-grate. A. W. Finlayson. No. 1,249,365; Dec. 11; v. 245; p. 302.
- Furnace-grate. J. C. and G. L. George. No. 1,220,216; Mar. 27; v. 236; p. 915.
- Furnace-grate. C. J. Huber. No. 1,232,687; July 10; v. 240; p. 414.
- Furnace-grate. W. J. Manhire. No. 1,218,199; Mar. 6; v. 236; p. 108.
- Furnace-grate. J. and A. Niclausse. No. 1,231,930; July 3; v. 240; p. 132.
- Furnace-grate. G. F. Pierce. No. 1,239,717; Sept. 11; v. 242; p. 348.
- Furnace-grate for locomotive and like boilers and other purposes. J. A. Hill. No. 1,212,058; Jan. 9; v. 234; p. 612.
- Furnace-grates, Shaking mechanism for. L. Courtot. No. 1,232,006; July 3; v. 240; p. 157.
- Furnace hearth, Blast. R. Kunz. No. 1,236,721; Aug. 14; v. 241; p. 418.
- Furnace-hearth, Making. J. H. Gray. No. 1,220,839; Mar. 27; v. 236; p. 1133.
- Furnace-lining. G. S. Davison. No. 1,210,431; Jan. 2; v. 234; p. 19.
- Furnace-lining. D. B. Howard. No. 1,233,782; July 17; v. 240; p. 806.
- Furnace-lining and making same. G. W. Patnoe. No. 1,230,430; June 19; v. 239; p. 773.
- Furnace or apparatus for electrically making products and means for heating discharging products. J. H. Reid. No. 1,227,069; May 22; v. 238; p. 1142.
- Furnace or apparatus for making products electrically and means for facilitating discharge of same. J. H. Reid. No. 1,227,068; May 22; v. 238; p. 1142.
- Furnace or stove construction. G. C. Kilder. No. 1,226,082; May 15; v. 238; p. 772.
- Furnace-shield. W. S. Rockwell. No. 1,245,030; Oct. 30; v. 243; p. 1250.
- Furnace-starter, Time-controlled. W. E. Emery. No. 1,246,897; Nov. 20; v. 244; p. 591.
- Furnace structure, Rotary. B. E. Eldred. No. 1,238,394; Aug. 28; v. 241; p. 1025.
- Furnace-wall construction, Electric. I. Hechenbleikner. No. 1,217,306; Feb. 27; v. 235; p. 1120.

Alphabetical list of inventions—Continued.

- Furnaces, Air-control system for. W. H. Bradley. No. 1,222,519; Apr. 10; v. 237; p. 563.
- Furnaces, Air-moistening attachment for hot-air. M. S. Tallmage. No. 1,240,388; Sept. 18; v. 242; p. 595.
- Furnaces and hot-water and steam boilers, Base for hot-air. S. Aikins. No. 1,218,824; Mar. 18; v. 236; p. 365.
- Furnaces, Apparatus for admitting air to. C. Schneider. No. 1,243,883; Oct. 23; v. 243; p. 867.
- Furnaces, Apparatus for the detection of leakages in the water-jackets of blast-. E. Retuerto y Rizo. No. 1,217,346; Feb. 27; v. 235; p. 1133.
- Furnaces, Bridge-wall for. T. Wakefield. No. 1,250,732; Dec. 18; v. 245; p. 742.
- Furnaces, Changeable vault structure for electric melting-. B. C. Kværnø. No. 1,216,331; Feb. 20; v. 235; p. 740.
- Furnaces, Condensing and vacuum draft mechanism for. F. L. McGahan. No. 1,217,100; Feb. 20; v. 235; p. 1004.
- Furnaces, Controlling the stoking of. E. A. Emery. No. 1,234,317; July 24; v. 240; p. 1015.
- Furnaces, Cooled bottom electrode for electric smelting-. M. Sperling. No. 1,234,947; July 31; v. 240; p. 1249.
- Furnaces, Effecting and regulating combustion in. F. H. Brown. No. 1,247,215; Nov. 20; v. 244; p. 682.
- Furnaces, Electrode-packing for melting-. M. Sperling. No. 1,234,946; July 31; v. 240; p. 1249.
- Furnaces, Hot-air distributor for. A. G. Scherer. No. 1,224,219; May 1; v. 238; p. 37.
- Furnaces, hot-blast stoves, and the like. Checker-work for regenerative. H. E. Smythe. No. 1,242,614; Oct. 9; v. 243; p. 406.
- Furnaces, Humidifier for hot-air. G. W. Howes. No. 1,238,771; Sept. 4; v. 242; p. 15.
- Furnaces, Liquid-heating attachment for. E. I. Ingles. No. 1,216,811; Feb. 20; v. 235; p. 908.
- Furnaces, Means for introducing air into. E. Q. Bangs. No. 1,242,124; Oct. 9; v. 243; p. 249.
- Furnaces, Method of and apparatus for tapping open-hearth. M. A. Smith. No. 1,247,606; Nov. 20; v. 244; p. 792.
- Furnaces, Operating gas-fired. H. L. Doherty. No. 1,214,520; Feb. 6; v. 235; p. 13.
- Furnaces, Ore-feeding means for. G. A. Williams and H. A. Thayer. No. 1,247,050; Nov. 20; v. 244; p. 633.
- Furnaces, Pipe attachment for tubular. E. S. Manny. No. 1,240,994; Sept. 25; v. 242; p. 815.
- Furnaces, Preheating of air for hot-blast stoves of blast-. E. E. Marshall. No. 1,217,039; Feb. 20; v. 235; p. 984.
- Furnaces, Rabbie for mechanical roasting. W. Hommell. No. 1,220,513; Mar. 27; v. 236; p. 1021.
- Furnaces, Radiator for hot-air. O. H. Wallen. No. 1,238,851; Sept. 4; v. 242; p. 42.
- Furnaces, Regulating apparatus for electric. W. Sykes. No. 1,241,574; Oct. 2; v. 243; p. 35.
- Furnaces, Roof-crown for open-hearth. T. Poull. No. 1,214,066; Jan. 30; v. 234; p. 1405.
- Furnaces, Shaking-grate for. H. R. Weber. No. 1,228,999; June 5; v. 235; p. 210.
- Furnaces, Slag-removing mechanism for open-hearth. W. A. Kosinski. No. 1,238,526; Aug. 28; v. 241; p. 1068.
- Furnaces, &c., Stoking-door for. G. F. Bibb. No. 1,220,718; Mar. 27; v. 236; p. 1090.
- Furnaces, Terminal for electric. T. F. Baily and F. T. Cope. No. 1,218,042; Mar. 6; v. 236; p. 54.
- Furnaces, Truck or stand for use in annealing. T. A. Morris. No. 1,234,789; July 31; v. 240; p. 1199.
- Furnaces, Try-rod or stock-level indicator for blast-. P. D. Wright. No. 1,237,735; Aug. 21; v. 241; p. 780.
- Furnaces, Ventilated interlocking clinker-bar for. O. C. Woolson. No. 1,248,048; Nov. 27; v. 244; p. 951.
- Furniture. L. Courtial. No. 1,249,721; Dec. 11; v. 245; p. 404.
- Furniture. V. Massacese. No. 1,232,357; July 3; v. 240; p. 274.
- Furniture. E. Ohnstrand. No. 1,247,712; Nov. 27; v. 244; p. 857.
- Furniture, Adjustable sectional. A. Sprung. No. 1,247,590; Nov. 20; v. 244; p. 788.
- Furniture, Adjustable single-pedestal. H. B. Nichols. No. 1,242,024; Oct. 2; v. 243; p. 177.
- Furniture, Article of. C. R. Uhl. No. 1,240,390; Sept. 18; v. 242; p. 596.
- Furniture attachment. J. R. Berndt. No. 1,211,527; Jan. 9; v. 234; p. 427.
- Furniture, Bed. M. Lipps. No. 1,247,429; Nov. 20; v. 244; p. 743.
- Furniture, Combination. L. Larsen. No. 1,248,348; Nov. 27; v. 244; p. 1038.
- Furniture, Combination article of. D. A. Sellgman. No. 1,231,303; June 26; v. 239; p. 1104.
- Furniture construction, Sectional. S. D. Young. No. 1,221,948; Apr. 10; v. 237; p. 363.
- Furniture construction, Steel-. M. E. Hood, O. B. Anderson, W. L. Feters, J. H. McGlincy, J. E. Gagnon, and W. M. Kidder. No. 1,244,609; Oct. 30; v. 243; p. 1122.
- Furniture, Convertible. A. D. Elliott. No. 1,249,932; Dec. 11; v. 245; p. 467.
- Furniture, Convertible. W. E. Hann. No. 1,216,443; Feb. 20; v. 235; p. 781.
- Furniture, Convertible. H. A. Washelm. No. 1,224,962; May 8; v. 238; p. 355.
- Furniture, Floor-protecting attachment for. E. Schauer-mann. No. 1,221,225; Apr. 3; v. 237; p. 80.
- Furniture, Folding. A. H. Gareiss. No. 1,239,096; Sept. 4; v. 242; p. 121.
- Furniture for domestic use. J. P. and S. J. Zaleski. No. 1,244,822; Oct. 30; v. 243; p. 1187.
- Furniture, Interlocking mechanism for sectional. A. T. Weiss. No. 1,225,294; May 8; v. 238; p. 462.
- Furniture-joint. G. C. Balbach. No. 1,214,261; Jan. 30; v. 234; p. 1470.
- Furniture, Knockdown. T. A. Gelbart. No. 1,225,431; May 8; v. 238; p. 509.
- Furniture-legs and other uses, Sliding shoe for. A. B. Diss. No. 1,228,759; June 5; v. 239; p. 131.
- Furniture-legs, Glider for. A. Ballenberg. No. 1,230,836; June 26; v. 239; p. 948.
- Furniture, Means for connecting sectional. A. Vander-veld. No. 1,250,110; Dec. 11; v. 245; p. 516.
- Furniture-polish. L. P. Milburn. No. 1,222,441; Apr. 10; v. 237; p. 537.
- Furniture, Sectional. H. Williams. No. 1,219,891; Mar. 20; v. 236; p. 763.
- Furniture, Sliding-shoe for. W. T. Hight. No. 1,212,220; Jan. 16; v. 234; p. 696.
- Furniture, Store. G. D. Hagar. No. 1,233,775; July 17; v. 240; p. 804.
- Furniture-support. J. T. Spears. No. 1,243,116; Oct. 16; v. 243; p. 598.
- Furniture, Table attachment for. M. Thum. No. 1,228,618; June 5; v. 239; p. 83.
- Furniture-tip. F. Hachmann. No. 1,217,091; Feb. 20; v. 235; p. 1001.
- Furniture-tip. F. Hachmann. No. 1,220,099; Mar. 20; v. 236; p. 837.
- Furniture-top. E. Ohnstrand. No. 1,233,497; July 17; v. 240; p. 714.
- Furniture-tread. V. and S. J. Von der Lin. No. 1,229,830; June 12; v. 239; p. 540.
- Furniture-tread. V. and S. J. Von der Lin. No. 1,229,831; June 12; v. 239; p. 540.
- Furring and partition channel. W. D. Henderson. No. 1,227,264; May 22; v. 238; p. 1209.
- Furrow-openers, Bearing for disk. C. W. Dickinson. No. 1,217,423; Feb. 27; v. 235; p. 1160.
- Fuse. H. H. Baker. No. 1,212,603; Jan. 16; v. 234; p. 834.
- Fuse. A. F. Daum. No. 1,222,937; Apr. 17; v. 237; p. 749.
- Fuse. L. W. Downes and R. C. Patton. No. 1,214,903; Feb. 6; v. 235; p. 147.
- Fuse. L. W. Downes and R. C. Patton. No. 1,248,090; Nov. 27; v. 244; p. 964.
- Fuse. L. W. Downes and R. C. Patton. No. 1,248,091; Nov. 27; v. 244; p. 964.
- Fuse. S. J. Leveen. No. 1,237,211; Aug. 14; v. 241; p. 572.
- Fuse. G. A. Ley. No. 1,244,346; Oct. 23; v. 243; p. 1005.
- Fuse. A. Schaanning and S. A. Stigant. No. 1,212,694; Jan. 16; v. 234; p. 869.
- Fuse and circuit tester. L. D. Johnson. No. 1,249,965; Dec. 11; v. 245; p. 476.
- Fuse-block. B. C. Cole. No. 1,227,753; May 29; v. 238; p. 1399.
- Fuse-block. H. H. Curtis. No. 1,242,326; Oct. 9; v. 243; p. 313.
- Fuse-block. D. C. Hooker. No. 1,234,544; July 24; v. 240; p. 1089.
- Fuse-block. C. H. Smith. No. 1,218,221; Mar. 6; v. 236; p. 116.
- Fuse body and cap and making same. Time-. I. L. Pomeroy. No. 1,228,596; June 5; v. 239; p. 76.
- Fuse-box. R. Ratcliffe. No. 1,224,118; Apr. 24; v. 237; p. 1190.
- Fuse-boxes, Device for manipulating. G. S. Neeley. No. 1,218,109; Mar. 6; v. 236; p. 78.
- Fuse-carrier. W. A. Harvey. No. 1,218,553; Mar. 6; v. 236; p. 229.
- Fuse carrier, Multiple-. C. A. Williams. No. 1,237,005; Aug. 14; v. 241; p. 508.
- Fuse, Cartridge. W. F. Bleecker. No. 1,221,275; Apr. 3; v. 237; p. 98.
- Fuse, Cartridge. A. F. Daum. (Reissue.) No. 14,239; Jan. 2; v. 234; p. 343.
- Fuse, Cartridge. A. L. Eustice. No. 1,217,289; Feb. 27; v. 235; p. 1113.
- Fuse-clip. G. A. Clement. No. 1,250,562; Dec. 18; v. 245; p. 693.
- Fuse connection, Electrical. J. J. Mullen. No. 1,218,106; Mar. 6; v. 236; p. 76.
- Fuse, Detonating-. C. H. Jockmus. No. 1,232,040; July 3; v. 240; p. 170.
- Fuse, Detonating-. J. P. Madden and W. L. Lukens. No. 1,250,919; Dec. 18; v. 245; p. 798.
- Fuse, Detonating-. J. N. Powers. No. 1,224,414; May 1; v. 238; p. 108.
- Fuse, Detonating-. B. N. Sokoloff. No. 1,221,102; Apr. 3; v. 237; p. 34.
- Fuse device. N. J. Conrad. No. 1,220,152; Mar. 20; v. 236; p. 859.
- Fuse device. A. Herz. No. 1,222,952; Apr. 17; v. 237; p. 754.
- Fuse device. E. O. Schweitzer. No. 1,215,990; Feb. 13; v. 235; p. 570.

- Fuse device. E. O. Schweitzer. No. 1,240,795; Sept. 18; v. 242; p. 720.
- Fuse device. E. O. Schweitzer and N. J. Conrad. No. 1,223,623; Apr. 24; v. 237; p. 1019.
- Fuse device. E. O. Schweitzer and N. J. Conrad. No. 1,246,792; Nov. 13; v. 244; p. 523.
- Fuse device. E. O. Schweitzer and A. Herz. (Reissue.) No. 14,416; Dec. 25; v. 245; p. 1005.
- Fuse, Drawn-link electric. S. W. Huff. No. 1,228,924; June 5; v. 239; p. 186.
- Fuse, Electric. R. C. Bronson. No. 1,245,863; Nov. 6; v. 244; p. 218.
- Fuse, Electric. L. B. Buchanan. No. 1,246,711; Nov. 13; v. 244; p. 499.
- Fuse, Electric. G. A. Burnham. No. 1,239,876; Sept. 11; v. 242; p. 399.
- Fuse, Electric circuit-protecting. S. N. Baruch. No. 1,214,879; Feb. 6; v. 235; p. 137.
- Fuse, Electrical. T. W. Kirkman. No. 1,236,448; Aug. 14; v. 241; p. 326.
- Fuse, Electrical. H. W. Young. No. 1,228,354; May 29; v. 238; p. 1601.
- Fuse, Electrical. H. W. Young. No. 1,235,178; July 31; v. 240; p. 1319.
- Fuse element, Inclosed. E. E. Roberts. No. 1,213,777; Jan. 23; v. 234; p. 1273.
- Fuse for artillery-projectiles, Multiple-effect. E. Rimailho. No. 1,237,816; Aug. 21; v. 241; p. 804.
- Fuse for explosive projectiles, Time-. W. M. Wilhelm and K. Rushton. No. 1,227,720; May 29; v. 238; p. 1389.
- Fuse for explosive projectiles, Time-. W. M. Wilhelm and K. Rushton. No. 1,242,501; Oct. 9; v. 243; p. 367.
- Fuse for projectiles. E. R. Gilbert. No. 1,226,652; May 22; v. 238; p. 1000.
- Fuse for projectiles, Double-acting. E. Schneider. No. 1,234,574; July 24; v. 240; p. 1099.
- Fuse for projectiles, Percussion-. E. Schneider. No. 1,232,853; July 10; v. 240; p. 469.
- Fuse for shells. H. Prah. No. 1,214,586; Feb. 6; v. 235; p. 36.
- Fuse for shrapnel and other shells. A. J. Saygers and J. F. George. No. 1,236,011; Aug. 7; v. 241; p. 158.
- Fuse-holder. O. E. Forrest. No. 1,217,741; Feb. 27; v. 235; p. 1273.
- Fuse, Inclosed. E. H. Gilbert. No. 1,246,417; Nov. 13; v. 244; p. 412.
- Fuse, Inclosed. G. A. Schaefer. No. 1,226,017; May 15; v. 238; p. 749.
- Fuse, Inclosed electric. L. B. Buchanan and F. N. Conant. No. 1,245,187; Nov. 6; v. 244; p. 13.
- Fuse, Inclosed electric. R. C. Cole. No. 1,235,555; Aug. 7; v. 241; p. 8.
- Fuse, Inclosed safety-. H. M. Huxley. No. 1,231,364; June 26; v. 239; p. 1124.
- Fuse, Mechanical time-. H. Prah. No. 1,214,069; Jan. 30; v. 234; p. 1406.
- Fuse, Multiple refillable. F. J. Cleaver. No. 1,226,780; May 22; v. 238; p. 1044.
- Fuse, Multiple resetting-. J. W. Huebner. No. 1,245,592; Nov. 6; v. 244; p. 137.
- Fuse or like device. N. J. Conrad. No. 1,215,491; Feb. 13; v. 235; p. 386.
- Fuse, Percussion-. K. J. Girdwood. No. 1,224,631; May 1; v. 238; p. 184.
- Fuse, Percussion-. S. Kruk. No. 1,232,814; July 10; v. 240; p. 457.
- Fuse percussion, Positive. W. L. Simpson. No. 1,230,933; June 26; v. 239; p. 979.
- Fuse-plug. W. O. Besaw. No. 1,240,157; Sept. 11; v. 242; p. 482.
- Fuse-plug. E. D. Knott. No. 1,238,690; Aug. 28; v. 241; p. 1117.
- Fuse-plug. W. S. MacLewee. No. 1,243,849; Oct. 23; v. 243; p. 856.
- Fuse-plug. W. S. MacLewee. No. 1,243,850; Oct. 23; v. 243; p. 856.
- Fuse-plug. W. S. MacLewee. No. 1,243,851; Oct. 23; v. 243; p. 857.
- Fuse-plug. C. D. Platt. No. 1,215,701; Feb. 13; v. 235; p. 465.
- Fuse-plug. S. T. Sjoberg. No. 1,233,720; July 17; v. 240; p. 787.
- Fuse-plug. H. V. Thomas. No. 1,225,890; May 15; v. 238; p. 705.
- Fuse-plug, Multiple. F. A. Feldkamp, J. P. Pagor, and H. Payson. No. 1,227,256; May 22; v. 238; p. 1206.
- Fuse-plug, Sealable. C. D. Platt. No. 1,226,808; May 22; v. 238; p. 1053.
- Fuse, Projectile-. W. J. Hawkins. No. 1,216,802; Feb. 20; v. 235; p. 905.
- Fuse-puller. E. H. Lowe. No. 1,247,555; Nov. 20; v. 244; p. 777.
- Fuse, Refillable cartridge-. O. H. Jung. No. 1,246,105; Nov. 13; v. 244; p. 317.
- Fuse, Refillable cartridge-. C. T. McDonald. No. 1,231,036; June 26; v. 239; p. 1016.
- Fuse, Refillable cartridge-. J. F. O'Bert. No. 1,219,850; Mar. 20; v. 236; p. 749.
- Fuse, Refillable cartridge-. L. E. Wetuberg. No. 1,226,151; May 15; v. 238; p. 795.
- Fuse, Refillable indicating-. G. W. Fiske. No. 1,216,429; Feb. 20; v. 235; p. 776.
- Fuse, Renewable. E. H. Wilson. No. 1,220,384; Mar. 27; v. 236; p. 976.
- Fuse, Renewable inclosed. W. J. Morgan. No. 1,234,100; July 17; v. 240; p. 908.
- Fuse, Sensitive percussion-. E. R. Stuart. No. 1,229,669; June 12; v. 239; p. 486.
- Fuse, Safety-. A. S. Baldwin. No. 1,239,248; Sept. 4; v. 242; p. 170.
- Fuse-setting device for projectiles. L. Scanferla. No. 1,246,331; Nov. 13; v. 244; p. 385.
- Fuse, Shell-. K. H. Morén. No. 1,216,834; Feb. 20; v. 235; p. 915.
- Fuse, Shell-. J. M. Young. No. 1,250,410; Dec. 18; v. 245; p. 646.
- Fuse-spitter. F. Bernardi. No. 1,218,512; Mar. 6; v. 236; p. 215.
- Fuse-support. G. S. Neeley. No. 1,236,001; Aug. 7; v. 241; p. 154.
- Fuse time-train ring, Projectile-. W. J. Hawkins. No. 1,233,466; July 17; v. 240; p. 704.
- Fuses, Clockwork-escapement for mechanical time-. H. Prah. No. 1,214,068; Jan. 30; v. 234; p. 1405.
- Fuses, Fusible element for inclosed electrical. R. C. Cole. No. 1,227,752; May 29; v. 238; p. 1399.
- Fuses, Range-defacing means for time-. D. A. Grant. No. 1,238,661; Aug. 28; v. 241; p. 1110.
- Fusee, Railway signal-. J. W. Edmands. No. 1,236,692; Aug. 14; v. 241; p. 408.
- Fusible link. H. G. Carlson. No. 1,248,611; Dec. 4; v. 245; p. 55.
- Fusible link. P. C. Lenz. No. 1,238,412; Aug. 28; v. 241; p. 1030.
- Fusible link. O. B. Lewis. No. 1,248,433; Nov. 27; v. 244; p. 1061.
- Gage: See—
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| Adjustable gage. | Pressure-gage. |
| Air-pressure gage. | Pressure-ratio gage. |
| Angle-defining gage. | Railway-frog gage. |
| Automobile fuel-gage. | Railway-track gage. |
| Band-tying gage. | Raker-gage. |
| Boiler water-gage. | Ring-gage. |
| Butt and casing gage. | Ring and finger gage. |
| Centering-gage. | Saw-gage. |
| Depth-gage. | Saw-tooth gage. |
| Draft-gage. | Sewing-machine looper-gage. |
| Draft-indicating gage. | Ship's draft-gage. |
| Edging-gage. | Skirt-gage. |
| Feed-gage. | Sole-gage. |
| Feed-screw gage. | Square-gage. |
| Fluid-gage. | Surface-gage. |
| Fluid-pressure gage. | Tank-gage. |
| Foot-gage. | Thread-pitch gage. |
| Gasolene-gage. | Tire-gage. |
| Gasolene-tank gage. | Tire-pressure gage. |
| Hem-gage. | Tire signal pressure-gage. |
| Hem and tuck gage. | Tool-setting gage. |
| Key-gage. | Track-gage. |
| Knife-setting gage. | Track-alining gage. |
| Liquid-gage. | Truing-up gage. |
| Liquid-level gage. | Twist-drill gage. |
| Make-up gage. | Valve-stem gage. |
| Marker-gage. | Water-gage. |
| Marking-gage. | Weather-boarding gage. |
| Measuring-gage. | Web-gage. |
| Micrometer-gage. | Wind-gage. |
| Mortar-gage. | Wire-stretcher gage. |
| Oil-gage. | Work-gage. |
| Pattern-gage. | |
- Gage. A. J. Brown. No. 1,216,544; Feb. 20; v. 235; p. 816.
- Gage. R. L. Carter. No. 1,231,238; June 26; v. 239; p. 1083.
- Gage. R. Conrad. No. 1,225,314; May 8; v. 238; p. 469.
- Gage. R. Conrad. No. 1,225,315; May 8; v. 238; p. 469.
- Gage. H. L. Dawson. No. 1,219,264; Mar. 13; v. 236; p. 515.
- Gage. S. Friedman. No. 1,229,930; June 12; v. 239; p. 571.
- Gage. W. L. Geddes. No. 1,238,127; Aug. 28; v. 241; p. 937.
- Gage. P. M. Gelatt. No. 1,233,338; July 17; v. 240; p. 660.
- Gage. C. Glover. No. 1,234,656; July 24; v. 240; p. 1124.
- Gage. J. W. Joachim. No. 1,228,325; May 29; v. 238; p. 1590.
- Gage. J. E. Johnson. No. 1,250,586; Dec. 18; v. 245; p. 699.
- Gage. J. T. Johnson. No. 1,225,819; May 15; v. 238; p. 682.
- Gage. C. K. Kelley. No. 1,246,752; Nov. 13; v. 244; p. 511.
- Gage. J. E. Keppel. No. 1,229,289; June 12; v. 239; p. 367.
- Gage. W. Melas. No. 1,216,831; Feb. 20; v. 235; p. 914.
- Gage. J. R. Somers. No. 1,245,130; Oct. 30; v. 243; p. 1280.
- Gage. F. Stuppillo. No. 1,216,879; Feb. 20; v. 235; p. 930.
- Gage. J. Switzer. No. 1,223,531; Apr. 24; v. 237; p. 987.
- Gage. V. Villeneuve. No. 1,236,631; Aug. 14; v. 241; p. 386.

Alphabetical list of inventions—Continued.

- Gage-glass. F. C. Ronk. No. 1,250,664; Dec. 18; v. 245; p. 721.
- Gage-glass, Safety. G. Ernst. No. 1,225,604; May 8; v. 238; p. 567.
- Gage-glass wiper, Automatic. B. Mahaley. No. 1,234,191; July 24; v. 240; p. 975.
- Gage-glasses, Safety device for. T. F. Trudeau. No. 1,242,081; Oct. 2; v. 243; p. 194.
- Gage or try-cock. W. H. Wafer and J. Murrin. No. 1,223,749; Apr. 24; v. 237; p. 1065.
- Gage-spring. A. B. Collette. No. 1,238,109; Aug. 28; v. 241; p. 931.
- Gage-tester. R. C. Cox. No. 1,218,060; Mar. 6; v. 236; p. 60.
- Gage-tester, Dead-weight. J. P. Fisher. No. 1,217,735; Feb. 27; v. 235; p. 1271.
- Gage-wheel-adjusting mechanism. A. McCrerey. No. 1,212,527; Jan. 16; v. 234; p. 806.
- Gaging apparatus, Automatic. D. F. Lepley. No. 1,233,070; July 10; v. 240; p. 539.
- Gaging-machine. W. C. Baker. No. 1,233,014; July 10; v. 240; p. 520.
- Gaiter. V. Benedetti. No. 1,230,652; June 19; v. 239; p. 848.
- Galley-block. W. Nicholas and W. Ackerman. No. 1,231,636; July 3; v. 240; p. 32.
- Galley-lock. W. H. Francis. No. 1,210,923; Jan. 2; v. 234; p. 189.
- Galvanic battery. H. H. M. Kammerhoff. No. 1,240,856; Sept. 25; v. 242; p. 772.
- Galvanic battery. J. E. Preston. No. 1,213,535; Jan. 23; v. 234; p. 1192.
- Galvanic battery. R. Schuster. No. 1,240,885; Sept. 25; v. 242; p. 781.
- Galvanic battery. R. Schuster. No. 1,240,886; Sept. 25; v. 242; p. 781.
- Galvanic cell. M. L. Kaplan. No. 1,221,061; Apr. 3; v. 237; p. 20.
- Galvanic cell. M. L. Kaplan. No. 1,221,062; Apr. 3; v. 237; p. 20.
- Galvanic cell. J. F. Sanders. No. 1,243,111; Oct. 16; v. 243; p. 597.
- Galvanometer. W. H. Apthorpe. No. 1,219,617; Mar. 20; v. 236; p. 668.
- Gambrel. W. H. Borgstreser. No. 1,228,174; May 29; v. 238; p. 1541.
- Game. S. A. Akins. No. 1,226,841; May 22; v. 238; p. 1064.
- Game. M. A. Audsley. No. 1,225,393; May 8; v. 238; p. 496.
- Game. J. L. Baker. No. 1,222,591; Apr. 17; v. 237; p. 630.
- Game. K. A. Bradley. No. 1,228,090; May 29; v. 238; p. 1515.
- Game. K. A. Bradley. No. 1,228,091; May 29; v. 238; p. 1516.
- Game. J. A. Burt. No. 1,235,435; July 31; v. 240; p. 1394.
- Game. W. R. Christie. No. 1,218,373; Mar. 6; v. 236; p. 169.
- Game. J. H. Coffman. No. 1,223,256; Apr. 17; v. 237; p. 857.
- Game. R. W. Doan. No. 1,223,859; Apr. 24; v. 237; p. 1102.
- Game. H. Dorber. No. 1,216,091; Feb. 13; v. 235; p. 604.
- Game. A. M. Gregg. No. 1,232,287; July 3; v. 240; p. 251.
- Game. C. H. Holdredge. No. 1,231,608; July 3; v. 240; p. 23.
- Game. L. Jurak. No. 1,249,413; Dec. 11; v. 245; p. 315.
- Game. F. Kalista. No. 1,238,522; Aug. 28; v. 241; p. 1067.
- Game. A. H. Lewis. No. 1,242,002; Oct. 2; v. 243; p. 170.
- Game. E. P. Lynch. No. 1,228,575; June 5; v. 239; p. 68.
- Game. J. H. Mason. No. 1,220,871; Mar. 27; v. 236; p. 1143.
- Game. A. W. Miller. No. 1,230,503; June 19; v. 239; p. 798.
- Game. R. A. Peacock. No. 1,227,303; May 22; v. 238; p. 1221.
- Game. A. F. Quiram. No. 1,226,695; May 22; v. 238; p. 1013.
- Game. G. L. Reichhelm. No. 1,223,520; Apr. 24; v. 237; p. 984.
- Game. H. R. Schroer. No. 1,210,854; Jan. 2; v. 234; p. 163.
- Game. W. Watkins. No. 1,226,424; May 15; v. 238; p. 888.
- Game. J. T. Wenyon. No. 1,216,382; Feb. 20; v. 235; p. 759.
- Game. R. W. Wetherill. No. 1,213,718; Jan. 23; v. 234; p. 1254.
- Game and shell bag, Combined. J. Danz, 2d. (Reissue.) No. 1,4365; Sept. 25; v. 242; p. 969.
- Game apparatus. R. M. Brenner. No. 1,234,618; July 24; v. 240; p. 1113.
- Game apparatus. C. B. Brewer and H. E. Hanes. No. 1,217,908; Mar. 6; v. 236; p. 8.
- Game apparatus. L. R. Calder. No. 1,249,716; Dec. 11; v. 245; p. 403.
- Game apparatus. H. E. Coates. No. 1,218,374; Mar. 6; v. 236; p. 169.
- Game apparatus. M. Condé. No. 1,213,337; Jan. 23; v. 234; p. 1124.
- Game apparatus. G. W. Cooper. No. 1,247,645; Nov. 27; v. 244; p. 836.
- Game apparatus. T. W. Cooper. No. 1,248,270; Nov. 27; v. 244; p. 1016.
- Game apparatus. W. F. Davey. No. 1,227,249; May 22; v. 238; p. 1204.
- Game apparatus. W. M. De Pars. No. 1,249,915; Dec. 11; v. 245; p. 462.
- Game apparatus. M. M. Deibel. No. 1,224,080; Apr. 24; v. 237; p. 1177.
- Game apparatus. V. S. Durbin. No. 1,228,542; June 5; v. 239; p. 58.
- Game apparatus. G. H. Fisher. No. 1,246,733; Nov. 13; v. 244; p. 505.
- Game apparatus. M. L. Hawks. No. 1,219,456; Mar. 20; v. 236; p. 611.
- Game apparatus. D. Horvitz. No. 1,215,154; Feb. 6; v. 235; p. 234.
- Game apparatus. N. Hunsberger. No. 1,242,942; Oct. 16; v. 243; p. 544.
- Game apparatus. H. Johnston. No. 1,221,803; Apr. 3; v. 237; p. 278.
- Game apparatus. H. B. Jones. No. 1,242,198; Oct. 9; v. 243; p. 272.
- Game apparatus. J. King. No. 1,215,033; Feb. 6; v. 235; p. 195.
- Game apparatus. H. E. Lewis. No. 1,218,874; Mar. 13; v. 236; p. 384.
- Game apparatus. A. R. MacPherson. No. 1,226,551; May 15; v. 238; p. 928.
- Game apparatus. A. T. Maisch. No. 1,211,379; Jan. 2; v. 234; p. 342.
- Game apparatus. J. G. Mark. No. 1,212,794; Jan. 16; v. 234; p. 902.
- Game apparatus. J. J. Murphy. No. 1,213,679; Jan. 23; v. 234; p. 1241.
- Game apparatus. A. A. Nicholson. No. 1,248,892; Dec. 4; v. 245; p. 137.
- Game apparatus. C. B. O'Connor. No. 1,211,748; Jan. 9; v. 234; p. 502.
- Game apparatus. A. A. Schrader. No. 1,216,850; Feb. 20; v. 235; p. 920.
- Game apparatus. M. Sharp. No. 1,212,698; Jan. 16; v. 234; p. 870.
- Game apparatus. J. T. Simpson. No. 1,247,733; Nov. 27; v. 244; p. 864.
- Game apparatus. G. Stanton and J. D. Walter. No. 1,222,693; Apr. 17; v. 237; p. 667.
- Game apparatus. P. C. Stichtenoth. No. 1,241,050; Sept. 25; v. 242; p. 832.
- Game apparatus. P. J. Swartwood. No. 1,221,244; Apr. 3; v. 237; p. 86.
- Game apparatus. W. B. Swindell. No. 1,251,442; Dec. 25; v. 245; p. 1001.
- Game apparatus. W. C. Taylor. No. 1,226,028; May 15; v. 238; p. 752.
- Game apparatus. Z. Teruya. No. 1,245,820; Nov. 6; v. 244; p. 205.
- Game apparatus. F. W. Tully. No. 1,245,640; Nov. 6; v. 244; p. 151.
- Game apparatus. J. A. Walls. No. 1,213,562; Jan. 23; v. 234; p. 1202.
- Game apparatus. H. F. W. Warden. No. 1,231,133; July 3; v. 240; p. 203.
- Game apparatus. E. M. Wesley. No. 1,240,394; Sept. 18; v. 242; p. 597.
- Game apparatus. T. S. Wood. No. 1,231,683; July 3; v. 240; p. 50.
- Game apparatus. Y. Yamamoto. No. 1,214,252; Jan. 30; v. 234; p. 1467.
- Game apparatus. F. A. Yeager. No. 1,211,026; Jan. 2; v. 234; p. 225.
- Game apparatus. Race. P. K. Brenner. No. 1,217,145; Feb. 27; v. 235; p. 1065.
- Game apparatus. Skittle. L. Feron. No. 1,224,727; May 1; v. 238; p. 218.
- Game appurtenance, Card. E. T. Burrowes. No. 1,237,293; Aug. 21; v. 241; p. 636.
- Game-ball, Inflated. W. Miller. No. 1,240,866; Sept. 25; v. 242; p. 775.
- Game, Base-ball. W. H. Rogers. No. 1,242,046; Oct. 2; v. 243; p. 183.
- Game-board. O. C. Gilbert. No. 1,220,976; Mar. 27; v. 236; p. 1176.
- Game-board. R. A. Hallock. No. 1,215,799; Feb. 13; v. 235; p. 498.
- Game-board. A. J. Moore. No. 1,240,756; Sept. 18; v. 242; p. 707.
- Game-board. G. S. Parker. No. 1,242,969; Oct. 16; v. 243; p. 552.
- Game-board and accessories. A. L. Persyn. No. 1,216,355; Feb. 20; v. 235; p. 748.
- Game-board and game. J. L. Devlin. No. 1,211,103; Jan. 2; v. 234; p. 249.
- Game board and pieces, Combination. N. T. Whitaker. No. 1,221,493; Apr. 3; v. 237; p. 173.
- Game, Bowling. H. K. Petersen. No. 1,247,323; Nov. 20; v. 244; p. 712.

- Game, Card. E. W. Sawyer. No. 1,228,607; June 5; v. 239; p. 80.
- Game-cards. C. M. Stone. No. 1,234,954; July 31; v. 240; p. 1252.
- Game-cue. W. Virnig. No. 1,241,312; Sept. 25; v. 242; p. 917.
- Game device. G. S. Gumaer. No. 1,213,628; Jan. 23; v. 234; p. 1225.
- Game device. M. Gurtov. No. 1,218,398; Mar. 6; v. 236; p. 177.
- Game device. W. H. Heffley. No. 1,220,420; Mar. 27; v. 236; p. 988.
- Game device. T. Kajiyama. No. 1,224,173; May 1; v. 238; p. 21.
- Game device. J. C. Wilson-Hughes. No. 1,248,970; Dec. 4; v. 245; p. 158.
- Game, Educational. E. K. Dorer. No. 1,210,614; Jan. 2; v. 234; p. 81.
- Game-exhibiting device. W. G. Ashley. No. 1,216,261; Feb. 20; v. 235; p. 716.
- Game mechanism. G. A. Tanney. No. 1,243,642; Oct. 16; v. 243; p. 756.
- Game, Parlor ball. W. Day. No. 1,235,119; July 31; v. 240; p. 1301.
- Game-playing apparatus. W. C. Lowther. No. 1,216,333; Feb. 20; v. 235; p. 740.
- Game, Puzzle. L. J. Haberkorn. No. 1,223,164; Apr. 17; v. 237; p. 828.
- Game-table. R. G. Hooper. No. 1,221,181; Apr. 3; v. 237; p. 63.
- Game-table. L. Lukacher. No. 1,225,260; May 8; v. 238; p. 448.
- Game-table. T. R. Treiber. No. 1,237,417; Aug. 21; v. 241; p. 678.
- Game-table. T. R. Treiber. No. 1,237,418; Aug. 21; v. 241; p. 678.
- Game-table, Combination. F. C. Hobbs. No. 1,220,846; Mar. 27; v. 236; p. 1135.
- Game-trap. A. E. Kinsley. No. 1,238,525; Aug. 28; v. 241; p. 1068.
- Game-trap. J. Sabo. No. 1,224,670; May 1; v. 238; p. 198.
- Game-trap, Steel. C. P. Pues. No. 1,231,065; June 26; v. 239; p. 1026.
- Game, War. W. C. Foster. No. 1,245,096; Oct. 30; v. 243; p. 1270.
- Game, Water. T. F. Graham. No. 1,231,251; June 26; v. 239; p. 1088.
- Gang-cutter. A. Fougère. No. 1,218,389; Mar. 6; v. 236; p. 174.
- Gang-die for cutting and shaping sheet-metal articles. P. Scholz. No. 1,225,277; May 8; v. 238; p. 454.
- Gangway. R. Tittsworth. No. 1,224,045; Apr. 24; v. 237; p. 1165.
- Garbage and refuse incinerator. J. W. Hier. No. 1,233,288; July 10; v. 240; p. 608.
- Garbage, ashes, or the like, Receptacle for. A. A. Smith. No. 1,248,185; Nov. 27; v. 244; p. 991.
- Garbage-can. F. W. Briesse. No. 1,226,634; May 22; v. 238; p. 994.
- Garbage-can. J. H. Brown. No. 1,223,760; Apr. 24; v. 237; p. 1068.
- Garbage-can. E. J. Eichelberger. No. 1,233,997; July 17; v. 240; p. 876.
- Garbage-can. J. I. Levett. No. 1,240,740; Sept. 18; v. 242; p. 702.
- Garbage-can. E. Nickum. No. 1,218,449; Mar. 6; v. 236; p. 194.
- Garbage-can. H. J. Schaffer. No. 1,213,423; Jan. 23; v. 234; p. 1153.
- Garbage-can. W. Schmid. No. 1,239,307; Sept. 4; v. 242; p. 188.
- Garbage-can. J. F. Watts. No. 1,248,762; Dec. 4; v. 245; p. 99.
- Garbage-can. A. P. Witte. No. 1,221,808; Apr. 3; v. 237; p. 280.
- Garbage-can and rat-trap, Combined. H. Schallman. No. 1,223,525; Apr. 24; v. 237; p. 985.
- Garbage-can, Odorless. C. A. Beringer. No. 1,238,090; Aug. 28; v. 241; p. 925.
- Garbage-can, Odorless. R. E. Fisher. No. 1,238,010; Aug. 21; v. 241; p. 866.
- Garbage-can, Sanitary. P. Cohen. No. 1,218,588; Jan. 23; v. 234; p. 1211.
- Garbage-can, Sanitary. L. Teven. No. 1,230,623; June 19; v. 239; p. 839.
- Garbage-can, Sanitary. G. L. Winters. No. 1,234,992; July 31; v. 240; p. 1263.
- Garbage-container. J. W. Shepperd. No. 1,227,964; May 29; v. 238; p. 1473.
- Garbage-cremator. C. C. De Lappe and C. H. Smith. No. 1,219,631; Mar. 20; v. 236; p. 673.
- Garbage-crematory. R. L. Seelbach. No. 1,232,724; July 10; v. 240; p. 427.
- Garbage-drying machine. A. and B. Hullinger. No. 1,218,559; Mar. 6; v. 236; p. 231.
- Garbage-incinerator. C. A. Gibbs. No. 1,246,416; Nov. 13; v. 244; p. 411.
- Garbage-incinerator. J. A. McNatt. No. 1,238,420; Aug. 28; v. 241; p. 1033.
- Garbage-incinerator. F. N. Sanborn and R. L. Russell. No. 1,236,986; Aug. 14; v. 241; p. 503.
- Garbage or offal, Apparatus for extracting liquids from. P. J. Hare. No. 1,238,289; Aug. 28; v. 241; p. 991.
- Garbage-receiver, Inwall. G. W. Donley. No. 1,235,122; July 31; v. 240; p. 1302.
- Garbage-receptacle. W. O. Bunnell and Q. A. Gates. No. 1,239,348; Sept. 4; v. 242; p. 201.
- Garbage-receptacle. W. O. Bunnell and Q. A. Gates. No. 1,239,427; Sept. 4; v. 242; p. 225.
- Garbage-receptacle. F. M. Cawby. No. 1,239,881; Sept. 11; v. 242; p. 400.
- Garbage-receptacle. J. E. Fehrenkamp and L. A. Smallfield. No. 1,211,305; Jan. 2; v. 234; p. 319.
- Garbage-receptacle. W. B. Hull. No. 1,215,026; Feb. 6; v. 235; p. 192.
- Garbage-receptacle. H. R. Miller. No. 1,245,256; Nov. 6; v. 244; p. 34.
- Garbage-receptacle. J. M. Oberholtzer. No. 1,229,777; June 12; v. 239; p. 521.
- Garbage-receptacle. S. Toth. No. 1,214,389; Jan. 30; v. 234; p. 1516.
- Garbage-receptacle and trap. C. W. Hartt. No. 1,223,873; Apr. 24; v. 237; p. 1107.
- Garbage-receptacle closure. C. B. Clements. No. 1,233,312; July 17; v. 240; p. 652.
- Garbage-receptacle cover. E. E. Houston. No. 1,233,361; July 17; v. 240; p. 668.
- Garbage-receptacle-cover-fastening means. R. W. Vail. No. 1,216,023; Feb. 13; v. 235; p. 580.
- Garbage-receptacle for sinks. J. L. Born. No. 1,225,308; May 8; v. 238; p. 467.
- Garbage reduction and transportation system. H. F. W. Brockhausen. No. 1,210,408; Jan. 2; v. 234; p. 10.
- Garden-tool, Combination. T. Pugliese. No. 1,245,024; Oct. 30; v. 243; p. 1248.
- Garbage-treating apparatus. J. A. Anderson. No. 1,227,232; May 22; v. 238; p. 1198.
- Garbage-treating tank. J. A. Anderson. No. 1,214,113; Jan. 30; v. 234; p. 1420.
- Garden implement. A. S. Bernard. No. 1,232,188; July 3; v. 240; p. 219.
- Garden implement. A. F. Ramsey. No. 1,229,788; June 12; v. 239; p. 525.
- Garden-tool. J. Gilson, Sr. No. 1,224,630; May 1; v. 238; p. 184.
- Garden-tool. C. W. Robinson. No. 1,224,957; May 8; v. 238; p. 347.
- Garland or festoon. M. L. Beistle. No. 1,247,361; Nov. 20; v. 244; p. 723.
- Garment. H. D. Bloomenthal. No. 1,246,044; Nov. 13; v. 244; p. 300.
- Garment. J. L. Cabellinsky. No. 1,246,871; Nov. 20; v. 244; p. 582.
- Garment. G. A. N. Coppedge. No. 1,235,441; July 31; v. 240; p. 1396.
- Garment. H. Edelman. No. 1,225,732; May 8; v. 238; p. 609.
- Garment. H. B. Fox. No. 1,247,254; Nov. 20; v. 244; p. 693.
- Garment. N. Gross. No. 1,213,181; Jan. 23; v. 234; p. 1068.
- Garment. E. V. Higley. No. 1,250,878; Dec. 18; v. 245; p. 785.
- Garment. H. Hoehn. No. 1,233,057; July 10; v. 240; p. 535.
- Garment. J. J. Kahn. No. 1,223,394; Apr. 24; v. 237; p. 937.
- Garment. J. Kaplan. No. 1,225,254; May 8; v. 238; p. 446.
- Garment. G. M. Kimball. No. 1,238,686; Aug. 28; v. 241; p. 1116.
- Garment. M. Kusterko. No. 1,226,977; May 22; v. 238; p. 1112.
- Garment. M. M. Lauzon. No. 1,235,337; July 31; v. 240; p. 1367.
- Garment. B. J. Lavign. No. 1,249,131; Dec. 4; v. 245; p. 202.
- Garment. H. M. Lindenthal. No. 1,229,484; June 12; v. 239; p. 424.
- Garment. L. K. Litchfield. No. 1,229,986; June 12; v. 239; p. 588.
- Garment. R. E. Lowe. No. 1,222,777; Apr. 17; v. 237; p. 695.
- Garment. D. W. Mell. No. 1,249,446; Dec. 11; v. 245; p. 325.
- Garment. E. Metzger. No. 1,211,954; Jan. 9; v. 234; p. 579.
- Garment. E. M. Rash. No. 1,212,679; Jan. 16; v. 234; p. 863.
- Garment. M. Reiner. No. 1,214,073; Jan. 30; v. 234; p. 1407.
- Garment. L. Strauss. No. 1,214,483; Jan. 30; v. 234; p. 1546.
- Garment. A. G. Tubbs and L. W. Sweet. No. 1,247,469; Nov. 20; v. 244; p. 754.
- Garment. A. H. Walt. No. 1,239,989; Sept. 11; v. 242; p. 433.
- Garment. M. Weisel. No. 1,238,070; Aug. 21; v. 241; p. 886.
- Garment. M. A. Wickes. No. 1,245,649; Nov. 6; v. 244; p. 154.
- Garment, Automobile. A. G. Scott. No. 1,244,904; Oct. 30; v. 243; p. 1212.
- Garment-balancing device. A. Meas. No. 1,222,012; Apr. 10; v. 237; p. 384.
- Garment-box and wardrobe, Combined. F. W. Rutledge. No. 1,238,344; Aug. 28; v. 241; p. 1009.

Alphabetical list of inventions—Continued.

- Garment, Child's sleeping-. G. F. Earnshaw. No. 1,221,710; Apr. 3; v. 237; p. 246.
- Garment-clasp. F. T. Hill. No. 1,218,769; Mar. 13; v. 236; p. 344.
- Garment, Combination-. L. H. Hays. No. 1,221,051; Apr. 3; v. 237; p. 16.
- Garment, Combination-. H. B. Hoffman. No. 1,251,030; Dec. 25; v. 245; p. 881.
- Garment, Combination-. L. J. Matty. No. 1,234,784; July 31; v. 240; p. 1198.
- Garment, Combination-. G. Whittingham. No. 1,218,501; Mar. 6; v. 236; p. 211.
- Garment, Convertible. M. Leonard. No. 1,247,779; Nov. 27; v. 244; p. 878.
- Garment-distender. R. J. Wood. No. 1,231,830; July 3; v. 240; p. 100.
- Garment-fastener. W. H. Allen. No. 1,229,395; June 12; v. 239; p. 393.
- Garment-fastener. P. P. Au Buchon. No. 1,234,256; July 24; v. 240; p. 996.
- Garment-fastener. C. F. Backmyer. No. 1,216,262; Feb. 20; v. 235; p. 716.
- Garment-fastener. C. F. Backmyer. No. 1,216,263; Feb. 20; v. 235; p. 717.
- Garment-fastener. A. M. J. Baus. No. 1,237,279; Aug. 21; v. 241; p. 633.
- Garment-fastener. S. E. Esslinger. No. 1,228,893; June 5; v. 239; p. 176.
- Garment-fastener. P. J. Hentschel. No. 1,227,908; May 29; v. 238; p. 1453.
- Garment-fastener. P. J. Hentschel. No. 1,236,079; Aug. 7; v. 241; p. 178.
- Garment-fastener. L. L. Moore. No. 1,214,704; Feb. 6; v. 235; p. 79.
- Garment-fastener. W. M. and B. Morris. No. 1,213,677; Jan. 23; v. 234; p. 1241.
- Garment-fastening. J. Weil. No. 1,226,039; May 15; v. 238; p. 757.
- Garment-former. J. O. Cormier. No. 1,245,193; Nov. 6; v. 244; p. 15.
- Garment-former. J. O. Von Stetten. No. 1,221,394; Apr. 3; v. 237; p. 138.
- Garment-former. J. O. Von Stetten. No. 1,221,395; Apr. 3; v. 237; p. 138.
- Garment-former. J. O. Von Stetten. (Reissue.) No. 14,374; Oct. 9; v. 243; p. 496.
- Garment-hanger. R. C. Bangs. No. 1,228,636; June 5; v. 239; p. 89.
- Garment-hanger. J. Belasco and A. Shapiro. No. 1,248,602; Dec. 4; v. 245; p. 52.
- Garment-hanger. R. Y. Bovee. No. 1,229,707; June 12; v. 239; p. 498.
- Garment-hanger. M. L. Gage. No. 1,231,517; June 26; v. 239; p. 1174.
- Garment-hanger. P. J. Gorman. No. 1,245,901; Nov. 6; v. 244; p. 230.
- Garment-hanger. L. W. Harris. No. 1,216,447; Feb. 20; v. 235; p. 782.
- Garment-hanger. E. B. Healey. No. 1,243,519; Oct. 16; v. 243; p. 719.
- Garment-holder. R. N. Johanson. No. 1,246,275; Nov. 13; v. 244; p. 368.
- Garment-hanger. O. J. Johnson. No. 1,238,781; Sept. 4; v. 242; p. 19.
- Garment-hanger. R. McAlister. No. 1,242,829; Oct. 9; v. 243; p. 473.
- Garment-hanger. K. Sandor. No. 1,232,612; July 10; v. 240; p. 390.
- Garment-hanger. P. J. Swofford. No. 1,218,490; Mar. 6; v. 236; p. 207.
- Garment-hanger. J. Tuohimaa. No. 1,233,001; July 10; v. 240; p. 517.
- Garment-hanger. C. B. Ulrich. No. 1,227,705; May 29; v. 238; p. 1383.
- Garment-hanger. J. A. Wellington. No. 1,220,382; Mar. 27; v. 236; p. 975.
- Garment-hanger. A. T. Whyte. No. 1,210,746; Jan. 2; v. 234; p. 127.
- Garment-hanger. G. Wordingham. No. 1,229,371; Jun. 12; v. 239; p. 386.
- Garment hanger and stretcher. C. J. Dahlgren. No. 1,212,024; Jan. 9; v. 234; p. 600.
- Garment-hanger fixture. G. H. Wheary. No. 1,216,384; Feb. 20; v. 235; p. 759.
- Garment-hanger, Folding. L. H. Dalton. No. 1,241,346; Sept. 25; v. 242; p. 926.
- Garment-hanger for auditorium-seats. J. H. Nelson. No. 1,219,476; Mar. 20; v. 236; p. 618.
- Garment-hangers, Extensible supporter for. E. W. Hawley. No. 1,219,736; Mar. 20; v. 236; p. 709.
- Garment-hook. W. J. Galt, Jr. No. 1,222,095; Apr. 10; v. 237; p. 413.
- Garment-hook and clothes-hanger, Combined. W. Lamphiear. No. 1,220,753; Mar. 27; v. 236; p. 1103.
- Garment, Lady's. J. G. Fowler. No. 1,250,836; Dec. 18; v. 245; p. 774.
- Garment-loop. C. S. Comstock, Sr. No. 1,232,502; July 10; v. 240; p. 355.
- Garment-loop. C. S. Comstock, Sr. No. 1,232,503; July 10; v. 240; p. 356.
- Garment-loop. C. S. Comstock, Sr. No. 1,234,135; July 24; v. 240; p. 956.
- Garment-marker. M. Goldberg. No. 1,218,551; Mar. 6; v. 236; p. 228.
- Garment, One-piece. A. E. Hostetter and W. E. Richards. No. 1,238,770; Sept. 4; v. 242; p. 15.
- Garment or shoe fastener. C. R. Weede. No. 1,218,499; Mar. 6; v. 236; p. 210.
- Garment, Outing-. H. H. Wilson. No. 1,247,053; Nov. 20; v. 244; p. 634.
- Garment-press. W. E. Andree. No. 1,211,034; Jan. 2; v. 234; p. 228.
- Garment-press. B. W. Brockett. No. 1,245,314; Nov. 6; v. 244; p. 52.
- Garment-pressing device. J. Jeannetaud. No. 1,232,555; July 10; v. 240; p. 371.
- Garment-pressing machine. D. M. Cooper. No. 1,245,571; Nov. 6; v. 244; p. 130.
- Garment-protector. C. A. Conover. No. 1,229,890; June 12; v. 239; p. 559.
- Garment-protector. O. M. Goode. No. 1,232,530; July 10; v. 240; p. 364.
- Garment-protector. T. Hans. No. 1,216,684; Feb. 20; v. 235; p. 863.
- Garment-protector, Foldable. L. H. Boch. No. 1,218,831; Mar. 13; v. 236; p. 368.
- Garment-rack. B. Brager. No. 1,232,195; July 3; v. 240; p. 221.
- Garment rail or hanger, Releasably-locked. J. M. Callahan. No. 1,218,980; Mar. 13; v. 236; p. 419.
- Garment receptacle and hanger. E. L. Adams. No. 1,228,732; June 5; v. 239; p. 122.
- Garment, Reinforced. M. Newman. No. 1,212,805; Jan. 16; v. 234; p. 906.
- Garment-retainer. C. Schwarz. No. 1,220,896; Mar. 27; v. 236; p. 1151.
- Garment, Reversible. A. Berger. No. 1,224,704; May 1; v. 238; p. 210.
- Garment-securing device for war-ribbons, Detachable. R. McDougall. No. 1,235,580; Aug. 7; v. 241; p. 17.
- Garment, Self-supporting. G. Inghran. No. 1,231,025; June 26; v. 239; p. 1011.
- Garment-slide. C. S. Comstock, Sr. No. 1,240,825; Sept. 25; v. 242; p. 762.
- Garment-stand, Knockdown. A. E. Bienstock. No. 1,231,118; June 26; v. 239; p. 1044.
- Garment-stretcher. H. M. Drake. No. 1,210,915; Jan. 2; v. 234; p. 186.
- Garment stretcher and hanger, Combined. M. Jakab. No. 1,243,741; Oct. 23; v. 243; p. 822.
- Garment-support. E. C. Gatlin. No. 1,225,611; May 8; v. 238; p. 570.
- Garment-support. A. H. Keir. No. 1,218,410; Mar. 6; v. 236; p. 181.
- Garment-support. J. Lipoti. No. 1,237,347; Aug. 21; v. 241; p. 655.
- Garment-support. J. G. Urstadt. No. 1,228,266; May 29; v. 238; p. 1570.
- Garment-supporter. G. W. Armstrong. No. 1,229,013; June 5; v. 239; p. 215.
- Garment-supporter. J. Burmeister. No. 1,227,112; May 22; v. 238; p. 1158.
- Garment-supporter. W. D. Corder. No. 1,224,604; May 1; v. 238; p. 175.
- Garment-supporter. E. De Long. No. 1,230,685; June 19; v. 239; p. 858.
- Garment-supporter. E. De Long. No. 1,242,780; Oct. 9; v. 243; p. 458.
- Garment-supporter. G. M. Eames. No. 1,232,252; July 3; v. 240; p. 240.
- Garment-supporter. A. Frankenstein. No. 1,242,932; Oct. 16; v. 243; p. 540.
- Garment-supporter. H. E. Grabau. No. 1,239,683; Sept. 11; v. 242; p. 337.
- Garment-supporter. A. M. Grean. No. 1,230,889; June 26; v. 239; p. 965.
- Garment-supporter. T. E. Griffith. No. 1,244,194; Oct. 23; v. 243; p. 958.
- Garment-supporter. G. Hake. No. 1,225,436; May 8; v. 238; p. 511.
- Garment-supporter. G. Hake. No. 1,243,061; Oct. 16; v. 243; p. 583.
- Garment-supporter. C. J. Hazelton. No. 1,231,603; July 3; v. 240; p. 22.
- Garment-supporter. R. E. Hutchinson. No. 1,213,650; Jan. 23; v. 234; p. 1231.
- Garment-supporter. O. Kallberg. No. 1,211,589; Jan. 9; v. 234; p. 448.
- Garment-supporter. J. Kronenberger. No. 1,228,118; May 29; v. 239; p. 1524.
- Garment-supporter. D. E. Latham. No. 1,238,306; Aug. 28; v. 241; p. 997.
- Garment-supporter. F. J. Lindgren. No. 1,223,989; Apr. 24; v. 237; p. 1146.
- Garment-supporter. W. C. Runge. No. 1,219,162; Mar. 13; v. 236; p. 480.
- Garment-supporter. R. Sato. No. 1,243,984; Oct. 23; v. 243; p. 896.
- Garment-supporter. C. E. Schaffner. No. 1,226,387; May 15; v. 238; p. 877.
- Garment-supporter. W. Schreiber. No. 1,230,800; June 19; v. 239; p. 896.
- Garment-supporter. C. B. Wing. No. 1,237,232; Aug. 14; v. 241; p. 579.
- Garment-supporting clasp. J. McIlvenny. No. 1,212,529; Jan. 16; v. 234; p. 807.
- Garment-suspending device. A. F. Young. No. 1,218,153; Mar. 6; v. 236; p. 93.

- Garment, Woman's. F. Nash. No. 1,232,068; July 3; v. 240; p. 180.
- Garments, Protective lining for. M. I. Greenberg. No. 1,227,428; May 22; v. 238; p. 1259.
- Garter. A. Baumann. No. 1,233,834; July 17; v. 240; p. 823.
- Garter. H. B. Black. No. 1,226,054; May 15; v. 238; p. 762.
- Garter. H. J. Esser. No. 1,224,154; May 1; v. 238; p. 13.
- Garter. J. C. Hitchner, G. A. Rumpf, and G. M. Brown. No. 1,249,754; Dec. 11; v. 245; p. 414.
- Garter. W. Mateer. No. 1,229,495; June 12; v. 239; p. 426.
- Garter. L. Reibstein. No. 1,250,507; Dec. 18; v. 245; p. 674.
- Garter. H. A. Rodriguez. No. 1,227,199; May 22; v. 238; p. 1186.
- Garter. J. C. Rogers. No. 1,228,139; May 29; v. 238; p. 1530.
- Garter. L. L. Rogers. No. 1,222,467; Apr. 10; v. 237; p. 546.
- Garter. H. T. Sheldon. No. 1,228,068; May 29; v. 238; p. 1508.
- Garter attachment. W. Ferguson. No. 1,223,683; Apr. 24; v. 237; p. 1041.
- Garter attachment for supporting stockings. S. N. and R. Chaney. No. 1,247,373; Nov. 20; v. 244; p. 726.
- Garter, Man's. M. W. Schloss. No. 1,242,602; Oct. 9; v. 243; p. 402.
- Garters, Making hose-supporting. M. B. Hammond. No. 1,214,543; Feb. 6; v. 235; p. 22.
- Gas and air, Apparatus for delivering a mixture of. G. Keith. No. 1,250,319; Dec. 18; v. 245; p. 618.
- Gas and air for combustion, Device for and method of mixing. S. H. Hale. No. 1,249,382; Dec. 11; v. 245; p. 306.
- Gas and air mixing device. C. E. Chalker. No. 1,239,882; Sept. 11; v. 242; p. 401.
- Gas and liquid reclaimers, SO₂. A. F. Richter and T. I. Dunbar. No. 1,213,414; Jan. 23; v. 234; p. 1150.
- Gas and making the same, Cold-proof. B. E. Eldred and G. Mersereau. No. 1,235,777; Aug. 7; v. 241; p. 81.
- Gas and oil burner. T. J. and M. J. Flanagan. No. 1,230,883; June 26; v. 239; p. 962.
- Gas and other pipe-line systems, Antitheft device for contents of. C. W. Bradford. No. 1,239,870; Sept. 11; v. 242; p. 397.
- Gas and steam engine, Combined. J. Remmen. No. 1,250,224; Dec. 18; v. 245; p. 591.
- Gas and the like, Prepayment-meter for. N. D. Nilson. No. 1,234,931; July 31; v. 240; p. 1243.
- Gas, Apparatus for impregnating liquids with. H. E. Patten. No. 1,216,722; Feb. 20; v. 235; p. 877.
- Gas, Apparatus for producing liquefied. L. Wolf. No. 1,240,397; Sept. 18; v. 242; p. 597.
- Gas, Apparatus for the manufacture of. H. Begemann. No. 1,217,554; Feb. 27; v. 235; p. 1209.
- Gas apparatus, Oil-injector for water-. C. S. Chrisman. No. 1,238,071; Aug. 21; v. 241; p. 886.
- Gas-burner. A. H. Easterly. No. 1,245,891; Nov. 6; v. 244; p. 227.
- Gas-burner. A. J. English. No. 1,239,681; Sept. 11; v. 242; p. 336.
- Gas-burner. H. J. Freyn. No. 1,233,461; July 17; v. 240; p. 703.
- Gas-burner. J. A. Fry. No. 1,224,157; May 1; v. 238; p. 14.
- Gas-burner. F. W. Gault, Jr. No. 1,231,726; July 3; v. 240; p. 65.
- Gas-burner. J. Hicks. No. 1,232,921; July 10; v. 240; p. 492.
- Gas-burner. J. Hicks. No. 1,233,779; July 17; v. 240; p. 805.
- Gas-burner. T. A. Holmberg. No. 1,221,535; Apr. 3; v. 237; p. 187.
- Gas-burner. A. H. Humphrey. No. 1,245,346; Nov. 6; v. 244; p. 61.
- Gas-burner. A. H. Humphrey. No. 1,245,347; Nov. 6; v. 244; p. 61.
- Gas-burner. G. Keith. No. 1,210,654; Jan. 2; v. 234; p. 97.
- Gas-burner. J. Kennedy. No. 1,228,217; May 29; v. 238; p. 1555.
- Gas-burner. C. L. Koontz. No. 1,213,885; Jan. 30; v. 234; p. 1342.
- Gas-burner. M. Kravitz. No. 1,212,510; Jan. 16; v. 234; p. 801.
- Gas-burner. L. F. Ostrander. No. 1,227,189; May 22; v. 238; p. 1183.
- Gas-burner. S. F. Pierce. No. 1,242,234; Oct. 9; v. 243; p. 284.
- Gas-burner. O. Spahr. No. 1,242,487; Oct. 9; v. 243; p. 383.
- Gas-burner. J. B. Slattey. No. 1,248,565; Dec. 4; v. 245; p. 41.
- Gas-burner. J. G. Steenson. No. 1,227,086; May 22; v. 238; p. 1149.
- Gas-burner. H. C. Stuart. No. 1,218,012; Mar. 6; v. 236; p. 43.
- Gas-burner. A. D. Sutton. No. 1,247,740; Nov. 27; v. 244; p. 866.
- Gas-burner. U. Wedge. No. 1,225,381; May 8; v. 238; p. 493.
- Gas-burner. L. T. Wilcox. No. 1,216,529; Feb. 20; v. 235; p. 810.
- Gas-burner, Adjustable non-flash. A. H. Thompson. No. 1,246,682; Nov. 13; v. 244; p. 491.
- Gas burner, Adjustable oil-. J. J. Smith. No. 1,247,025; Nov. 20; v. 244; p. 627.
- Gas-burner, Air-filtering. W. B. Parks. No. 1,214,819; Feb. 6; v. 235; p. 116.
- Gas burner and lighter, Combined. G. E. Pickup. No. 1,233,702; July 17; v. 240; p. 782.
- Gas-burner attachment. P. J. Boracchi. No. 1,213,730; Jan. 23; v. 234; p. 1258.
- Gas-burner attachment. R. B. Cool. No. 1,243,044; Oct. 16; v. 243; p. 577.
- Gas-burner attachment. A. O. and E. C. Gutsch. No. 1,219,728; Mar. 20; v. 236; p. 707.
- Gas-burner attachment. C. Stichler. No. 1,242,490; Oct. 9; v. 243; p. 364.
- Gas-burner, Automatic pilot-light. F. Street. No. 1,211,891; Jan. 9; v. 234; p. 555.
- Gas-burners, Automatic shut-off for. W. M. Wood. No. 1,242,408; Oct. 9; v. 243; p. 389.
- Gas-burner, Blue-flame. I. H. Calster. No. 1,238,632; Aug. 28; v. 241; p. 1101.
- Gas-burner deflector. D. M. Smith. No. 1,216,741; Feb. 20; v. 235; p. 883.
- Gas-burner for casting-machines. M. C. Indahl. No. 1,220,128; Mar. 20; v. 236; p. 849.
- Gas-burner for furnaces. J. Hicks. No. 1,237,780; Aug. 21; v. 241; p. 794.
- Gas-burner for steam-boilers. S. A. Boyd. No. 1,219,072; Mar. 13; v. 236; p. 450.
- Gas-burner, Incandescent. J. Cayrol. No. 1,249,326; Dec. 11; v. 245; p. 291.
- Gas-burner, Safety. S. B. Hansen and N. K. E. Nilssen. No. 1,234,018; July 17; v. 240; p. 882.
- Gas burner, Water-. O. Falkenwalde. No. 1,248,835; Dec. 4; v. 245; p. 121.
- Gas-burners, Automatic lighter for. H. Kleinschmidt, A. Halpern, and E. Pospischil. No. 1,216,817; Feb. 20; v. 235; p. 909.
- Gas-burners, Flash-igniter for. H. Frank. No. 1,240,835; Sept. 25; v. 242; p. 766.
- Gas-burners, Gas-saver for. F. G. Wright. No. 1,217,854; Feb. 27; v. 235; p. 1311.
- Gas-burners, Pilot-light for. L. Rasch. No. 1,244,130; Oct. 23; v. 243; p. 940.
- Gas-burners, Safety device for. P. D. Nikas. No. 1,251,271; Dec. 25; v. 245; p. 951.
- Gas-burning apparatus and process. G. L. Reichhelm. No. 1,227,829; May 29; v. 238; p. 1426.
- Gas, Chlorination of oil-. B. T. Brooks and D. F. Smith. No. 1,235,283; July 31; v. 240; p. 1350.
- Gas-cleaners and operating the same, Drain for. W. Mathiesius. No. 1,245,366; Nov. 6; v. 244; p. 67.
- Gas-compressor. F. M. Bennett. No. 1,240,925; Sept. 25; v. 242; p. 795.
- Gas-compressor. L. Block. No. 1,239,869; Sept. 11; v. 242; p. 396.
- Gas-conduits, electric circuits, and the like, Device for automatically controlling lighting. A. C. A. Bouchard. No. 1,240,535; Sept. 18; v. 242; p. 640.
- Gas-conduits, Regulating device for. G. Dalén. No. 1,237,482; Aug. 21; v. 241; p. 697.
- Gas-consumption regulator. P. Spaleck. No. 1,243,454; Oct. 16; v. 243; p. 698.
- Gas-controller, Automatic. S. G. G. Brookman. No. 1,227,879; May 29; v. 238; p. 1443.
- Gas-coupling device, Safety. B. Pullen. No. 1,230,026; June 12; v. 239; p. 601.
- Gas cut-off, Automatic. G. L. Coffman. No. 1,219,627; Mar. 20; v. 236; p. 671.
- Gas cut-off, Automatic. J. W. Smith. No. 1,211,975; Jan. 9; v. 234; p. 586.
- Gas cut-off, Automatic. C. A. Wieting. No. 1,224,586; May 1; v. 238; p. 168.
- Gas-engine. C. W. Agerell. No. 1,231,550; July 3; v. 240; p. 3.
- Gas-engine. E. Aze. No. 1,214,407; Jan. 30; v. 234; p. 1522.
- Gas-engine. A. B. Browne. No. 1,210,897; Jan. 2; v. 234; p. 179.
- Gas-engine. C. G. Cabanne. No. 1,232,215; July 3; v. 240; p. 228.
- Gas-engine. C. Crompton. No. 1,241,199; Sept. 25; v. 242; p. 879.
- Gas-engine. H. H. Cutler. No. 1,231,500; June 26; v. 239; p. 1169.
- Gas-engine. F. M. Davis. No. 1,213,340; Jan. 23; v. 234; p. 1125.
- Gas-engine. G. D. Eighmie. No. 1,234,314; July 24; v. 240; p. 1014.
- Gas-engine. J. C. English. No. 1,249,933; Dec. 11; v. 245; p. 468.
- Gas-engine. C. E. Ferguson and G. H. Pleoger. No. 1,237,768; Aug. 21; v. 241; p. 791.
- Gas-engine. S. Hagerman. No. 1,244,490; Oct. 30; v. 243; p. 1087.
- Gas-engine. A. E. Hoyt. No. 1,215,535; Feb. 13; v. 235; p. 402.
- Gas-engine. S. Lawson. No. 1,243,533; Oct. 16; v. 243; p. 722.
- Gas-engine. R. W. Muir. No. 1,226,239; May 15; v. 238; p. 825.

Alphabetical list of inventions—Continued.

- Gas-engine. J. Pichoud. No. 1,238,190; Aug. 28; v. 241; p. 958.
- Gas-engine. C. A. Sawtelle. No. 1,242,985; Oct. 16; v. 243; p. 557.
- Gas-engine. L. E. Simpson. No. 1,231,799; July 3; v. 240; p. 89.
- Gas-engine. F. C. Struke. No. 1,237,119; Aug. 14; v. 241; p. 546.
- Gas-engine, Multiple-cylinder. A. R. Clas. No. 1,230,116; June 19; v. 239; p. 670.
- Gas-engine, Rotary. T. L. Arthur. No. 1,219,795; Mar. 20; v. 236; p. 730.
- Gas-engine, Rotary. P. Daniel. No. 1,221,840; Apr. 10; v. 237; p. 324.
- Gas-engine, Rotating-cylinder. B. C. Kenyon. No. 1,227,452; May 22; v. 238; p. 1267.
- Gas-fixture. H. A. Bauer. No. 1,236,656; Aug. 14; v. 241; p. 395.
- Gas-fixture, Safety connection for. G. De Grey. No. 1,236,151; Aug. 7; v. 241; p. 199.
- Gas-furnace. C. Atherton. No. 1,224,700; May 1; v. 238; p. 208.
- Gas-furnace. R. M. G. Phillips. No. 1,237,090; Aug. 14; v. 241; p. 536.
- Gas furnace and stove. W. L. Mersfelder. No. 1,234,553; July 24; v. 240; p. 1092.
- Gas-gate-hood clamp. J. Murphy and J. Bechtel. No. 1,242,023; Oct. 2; v. 243; p. 177.
- Gas-generating apparatus. C. J. Marvin. No. 1,222,782; Apr. 17; v. 237; p. 696.
- Gas, Generating hydrocyanic-acid. C. J. Marvin. No. 1,214,206; Jan. 30; v. 234; p. 1451.
- Gas generation. H. E. Rider. No. 1,218,470; Mar. 6; v. 236; p. 201.
- Gas-generator. C. F. Euler. No. 1,234,319; July 24; v. 240; p. 1016.
- Gas-generator. B. F. McKee. No. 1,249,151; Dec. 4; v. 245; p. 208.
- Gas-generator. B. F. and W. A. Roberts. No. 1,237,557; Aug. 21; v. 241; p. 723.
- Gas-generator. L. P. Sébille. No. 1,222,809; Apr. 17; v. 237; p. 706.
- Gas-generator. L. P. Sébille. No. 1,230,803; June 19; v. 239; p. 897.
- Gas-generator. L. I. Shaw. No. 1,245,807; Nov. 6; v. 244; p. 202.
- Gas-generator. C. B. Steele. No. 1,227,974; May 29; v. 238; p. 1476.
- Gas-generator. W. W. Talbot. No. 1,212,281; Jan. 16; v. 234; p. 721.
- Gas-generator. T. T. Weber. No. 1,222,167; Apr. 10; v. 237; p. 439.
- Gas generator, Acetylene-. T. Babin. No. 1,225,559; May 8; v. 238; p. 551.
- Gas generator, Acetylene-. L. L. Conkey. No. 1,247,934; Nov. 27; v. 244; p. 922.
- Gas generator, Acetylene-. G. T. Cunningham. No. 1,232,231; July 3; v. 240; p. 233.
- Gas generator, Acetylene-. C. A. Duncan and G. L. Shoup. No. 1,228,302; May 29; v. 238; p. 1582.
- Gas generator, Acetylene-. S. P. Haun. No. 1,231,155; June 26; v. 239; p. 1056.
- Gas generator, Acetylene-. H. E. Henwood. No. 1,246,266; Nov. 13; v. 244; p. 366.
- Gas generator, Acetylene-. H. W. Laun. No. 1,244,618; Oct. 30; v. 243; p. 1125.
- Gas generator, Acetylene-. D. W. Munden. No. 1,229,499; June 12; v. 239; p. 427.
- Gas generator, Acetylene-. F. Norman. No. 1,242,584; Oct. 9; v. 243; p. 396.
- Gas generator, Acetylene-. D. T. Root. No. 1,237,702; Aug. 21; v. 241; p. 770.
- Gas generator, Acetylene-. E. M. Rosenbluth. No. 1,223,294; Apr. 17; v. 237; p. 869.
- Gas generator, Acetylene-. L. H. Thalman. No. 1,241,680; Oct. 2; v. 243; p. 68.
- Gas generator, Acetylene-. F. A. Webb. No. 1,228,998; June 5; v. 239; p. 210.
- Gas generator, Acetylene-. H. M. Wise. No. 1,216,197; Feb. 13; v. 235; p. 642.
- Gas generator, Acetylene-. D. Zimmerman. No. 1,244,399; Oct. 23; v. 243; p. 1021.
- Gas generator and burner. F. H. Stanard. No. 1,250,692; Dec. 18; v. 245; p. 730.
- Gas-generator, Electrolytic. I. H. Levin. No. 1,214,934; Feb. 6; v. 235; p. 158.
- Gas-generator, Electrolytic. I. H. Levin. No. 1,219,966; Mar. 20; v. 236; p. 790.
- Gas-generators, Carbide-feeding mechanism for. W. E. Dressel. No. 1,218,844; Mar. 13; v. 236; p. 373.
- Gas generators, Relief device for acetylene-. W. E. Dressel. No. 1,224,616; May 1; v. 238; p. 179.
- Gas-generators, Steam and air mixer for. F. Logan. No. 1,251,252; Dec. 25; v. 245; p. 945.
- Gas-heater. H. K. Boyd. No. 1,228,289; May 29; v. 238; p. 1578.
- Gas-heater. W. H. Cain. No. 1,225,575; May 8; v. 238; p. 557.
- Gas-heater. R. E. Campbell. No. 1,232,457; July 3; v. 240; p. 304.
- Gas-heater. G. Clotts. No. 1,247,932; Nov. 27; v. 244; p. 921.
- Gas-heater. W. C. Fischer. No. 1,226,964; May 22; v. 238; p. 1106.
- Gas-heater. L. T. Hagan. No. 1,245,904; Nov. 6; v. 244; p. 231.
- Gas-heater. J. Lamb. No. 1,223,182; Apr. 17; v. 237; p. 835.
- Gas-heater. J. H. Swihart. No. 1,222,487; Apr. 10; v. 237; p. 552.
- Gas-heater. J. S. Walker and S. N. Wilcox. No. 1,244,564; Oct. 30; v. 243; p. 1110.
- Gas heater and cooker. J. S. Panasevitch. No. 1,218,206; Mar. 6; v. 236; p. 111.
- Gas-heating attachment. A. Korfitsen. No. 1,232,049; July 3; v. 240; p. 174.
- Gas-igniter. F. H. Pomeroy. No. 1,212,155; Jan. 9; v. 234; p. 645.
- Gas in warfare, Protecting from poisonous. J. A. Steinmetz. No. 1,225,521; May 8; v. 238; p. 538.
- Gas-jet. J. T. Gregory. No. 1,220,979; Mar. 27; v. 236; p. 1177.
- Gas-jet guard. W. L. Nestler. No. 1,250,627; Dec. 18; v. 245; p. 711.
- Gas-jets, Heat attachment for. G. W. Ferdon. No. 1,231,583; July 3; v. 240; p. 14.
- Gas-light arrangement, Apparatus for automatically exchanging incandescent bodies in an incandescent-. G. Dalén. No. 1,251,343; Dec. 25; v. 245; p. 972.
- Gas-light mantles, Apparatus for annealing and collodioning. P. Van Mouwerik and C. W. Bal. No. 1,250,726; Dec. 18; v. 245; p. 740.
- Gas-lighter. C. F. Larsen. No. 1,244,747; Oct. 30; v. 243; p. 1165.
- Gas-lighters, Pyrophoric renewal for. T. T. Pomeroy. No. 1,212,156; Jan. 9; v. 234; p. 646.
- Gas lighting and extinguishing apparatus. G. C. Innis. No. 1,232,036; July 3; v. 240; p. 169.
- Gas-lighting apparatus. H. H. McCollum. No. 1,216,824; Feb. 20; v. 235; p. 911.
- Gas-lighting fixture. V. H. Slinack. No. 1,244,382; Oct. 23; v. 243; p. 1014.
- Gas-lighting system. R. W. Earle. No. 1,239,092; Sept. 4; v. 242; p. 119.
- Gas liquefying and separating apparatus. R. Mewes. No. 1,215,957; Feb. 13; v. 235; p. 556.
- Gas-log. E. S. Brown. No. 1,239,346; Sept. 4; v. 242; p. 200.
- Gas-main stopper. J. S. Donohue. No. 1,224,721; May 1; v. 238; p. 216.
- Gas-mains, Connection for. S. B. Sheldon and K. C. Hoxie. No. 1,230,808; June 19; v. 239; p. 899.
- Gas-mains, Emergency closing mechanism for. T. Frew. No. 1,233,214; July 10; v. 240; p. 586.
- Gas-manifolds, Forming internally-flanged taps for. H. Papert. No. 1,246,456; Nov. 13; v. 244; p. 424.
- Gas-mantle ring. J. G. Gotty. No. 1,227,260; May 22; v. 238; p. 1207.
- Gas-mantles, Production of self-lighting. J. G. Gotty. No. 1,227,259; May 22; v. 238; p. 1207.
- Gas, Manufacture of. J. Bueb. No. 1,228,879; June 5; v. 239; p. 172.
- Gas, Manufacture of coal-. A. Waddell. No. 1,249,864; Dec. 11; v. 245; p. 447.
- Gas, Manufacture of producer-. J. E. Bell. No. 1,223,242; Apr. 17; v. 237; p. 852.
- Gas, Means for storing compressed or dissolved acetylene. T. G. Allen. No. 1,234,600; July 24; v. 240; p. 1107.
- Gas-meter. J. R. Armstrong. No. 1,212,729; Jan. 16; v. 234; p. 881.
- Gas-meter. C. W. and W. H. Hinman. No. 1,221,179; Apr. 3; v. 237; p. 63.
- Gas-meter. C. W. and W. H. Hinman. No. 1,250,176; Dec. 18; v. 245; p. 576.
- Gas-meter. W. H. Knight. No. 1,246,613; Nov. 13; v. 244; p. 472.
- Gas-meter. H. H. Sprague. No. 1,238,453; Aug. 28; v. 241; p. 1044.
- Gas-meter attachment. H. C. Morris. No. 1,228,467; June 5; v. 239; p. 32.
- Gas-meter, Dry. A. P. Visser. No. 1,212,290; Jan. 16; v. 234; p. 725.
- Gas-meter, Prepayment. W. L. Brown. No. 1,233,307; July 17; v. 240; p. 650.
- Gas-meter, Prepayment. N. D. Nilson. No. 1,234,932; July 31; v. 240; p. 1244.
- Gas-meter, Proportional. T. B. Wylie. No. 1,226,158; May 15; v. 238; p. 797.
- Gas-meter-valve, protector. B. Emerson and H. C. Morris. No. 1,228,656; June 5; v. 239; p. 95.
- Gas-meters, Detachable diaphragm for. E. M. Von Krusenstjerna. No. 1,238,463; Aug. 28; v. 241; p. 1047.
- Gas-meters, Indicating adjunct for. E. A. Kerstein. No. 1,244,340; Oct. 23; v. 243; p. 1003.
- Gas-meters, Self-draining attachment for. H. P. Westcott. No. 1,229,842; June 12; v. 239; p. 544.
- Gas mixer, Acetylene-. F. Norman. No. 1,217,634; Feb. 27; v. 235; p. 1238.
- Gas mixer and burner. S. H. Hale. No. 1,215,653; Feb. 13; v. 235; p. 448.
- Gas or mixture of gases, Separating certain constituents from a. L. Bradley and W. A. Schmidt. No. 1,221,505; Apr. 3; v. 237; p. 178.
- Gas, Preserving-. J. N. Alsop. No. 1,219,527; Mar. 20; v. 236; p. 637.
- Gas pressure regulating and mixing valve. C. Cornelius. No. 1,229,038; June 5; v. 239; p. 223.

- Gas-pressure regulator. B. M. Gattermeir. No. 1,218,543; Mar. 6; v. 236; p. 225.
- Gas-producer. L. F. Burger. No. 1,230,558; June 19; v. 239; p. 816.
- Gas-producer. P. A. J. Cousin. No. 1,246,888; Nov. 20; v. 244; p. 588.
- Gas-producer. J. R. Donnelly. No. 1,214,657; Feb. 6; v. 235; p. 62.
- Gas-producer. H. A. Dreffein. No. 1,243,822; Oct. 23; v. 243; p. 848.
- Gas-producer. J. R. George. No. 1,251,011; Dec. 25; v. 245; p. 875.
- Gas-producer. J. A. Herrick. No. 1,210,471; Jan. 2; v. 234; p. 32.
- Gas-producer. G. H. Isley. No. 1,221,055; Apr. 3; v. 237; p. 18.
- Gas-producer. E. A. W. Jefferies. No. 1,240,220; Sept. 18; v. 242; p. 542.
- Gas-producer. E. A. W. Jefferies. No. 1,251,038; Dec. 25; v. 245; p. 883.
- Gas-producer. E. A. W. Jefferies. No. 1,251,039; Dec. 25; v. 245; p. 883.
- Gas-producer. C. W. Lummis and G. H. Isley. No. 1,251,064; Dec. 25; v. 245; p. 890.
- Gas-producer. E. Nimphius. No. 1,225,048; May 8; v. 238; p. 378.
- Gas producer and burner. Oil. E. O. Linton and F. J. Blum. No. 1,233,676; July 17; v. 240; p. 773.
- Gas producer. Oil. C. O. Nordensson. No. 1,218,575; Mar. 6; v. 236; p. 237.
- Gas-producers of the Mond type. Working. J. B. Chadwick and P. Hollingshead. No. 1,210,598; Jan. 2; v. 234; p. 75.
- Gas-producers, Working of by-product-recovery. T. Rigby and G. W. Andrew. No. 1,239,969; Sept. 11; v. 242; p. 427.
- Gas, Producing chlorine. L. C. Jones and G. N. Terzlev. No. 1,236,570; Aug. 14; v. 241; p. 367.
- Gas, Producing fuel-. M. Sklovsky. No. 1,229,338; June 12; v. 239; p. 374.
- Gas-producing process and apparatus. H. L. Doherty. No. 1,235,774; Aug. 7; v. 241; p. 80.
- Gas-purifier. G. S. Neeley. No. 1,235,998; Aug. 7; v. 241; p. 153.
- Gas-purifier. G. S. Neeley. No. 1,236,000; Aug. 7; v. 241; p. 154.
- Gas-purifier. C. E. Reese. No. 1,240,368; Sept. 18; v. 242; p. 588.
- Gas, Purifying. W. O. Felt. No. 1,237,767; Aug. 21; v. 241; p. 790.
- Gas-receiver, Expanding and contracting. F. Norman. No. 1,217,623; Feb. 27; v. 235; p. 1234.
- Gas regulator, High-pressure. G. W. Savage. No. 1,236,010; Aug. 7; v. 241; p. 158.
- Gas-retorts, Machine for stoking. J. Terrace. No. 1,235,740; Aug. 7; v. 241; p. 67.
- Gas-retorts, Means for receiving and discharging coke from. W. H. Gartley and S. P. M. Tasker. No. 1,232,462; July 3; v. 240; p. 305.
- Gas saver and purifier. J. A. Bowkus. No. 1,221,278; Apr. 3; v. 237; p. 99.
- Gas-saving device. C. H. Homeier. No. 1,211,583; Jan. 9; v. 234; p. 447.
- Gas-shut-off valve. J. W. Dearing. No. 1,224,284; May 1; v. 238; p. 61.
- Gas-supply, Wall-switch for distant control of. A. Spielman. No. 1,240,895; Sept. 25; v. 242; p. 784.
- Gas systems, Automatic regulator for. H. F. Lewis. No. 1,236,953; Aug. 14; v. 241; p. 492.
- Gas-tank holder. W. E. Pratt. No. 1,210,985; Jan. 2; v. 234; p. 210.
- Gas-tank valve, High-pressure. G. M. Parks. No. 1,223,899; Apr. 24; v. 237; p. 1117.
- Gas-tank valves, Safety-fuse coupling for. O. S. King. No. 1,211,173; Jan. 2; v. 234; p. 273.
- Gas-tanks, Safety apparatus for. R. E. Bruckner. No. 1,234,726; July 31; v. 240; p. 1180.
- Gas-tanks, Safety means for. R. E. Bruckner. No. 1,250,552; Dec. 18; v. 245; p. 689.
- Gas-thimble. T. E. Williams and M. B. Bailey. No. 1,239,150; Sept. 4; v. 242; p. 139.
- Gas-trap. C. C. Scharpenberg. No. 1,226,913; May 22; v. 238; p. 1088.
- Gas-valve mechanism, Thermostatic. L. D. Lovekin. No. 1,221,197; Apr. 3; v. 237; p. 69.
- Gas-volume standard for testing volume-measuring apparatus for gas. M. H. Stillman. No. 1,234,505; July 24; v. 240; p. 1077.
- Gas under high pressure, Apparatus for condensing. G. L. and J. J. Cabot. No. 1,225,574; May 8; v. 238; p. 557.
- Gases, Apparatus for indicating the composition of. H. Haupt and M. Werner. No. 1,220,037; Mar. 20; v. 236; p. 813.
- Gases, Apparatus for oxidizing. F. C. Schmitz. No. 1,242,988; Oct. 16; v. 243; p. 558.
- Gases, Apparatus for purifying blast-furnace. M. E. Fellmann, D. Bagley, and A. H. Smith. No. 1,216,677; Feb. 20; v. 235; p. 861.
- Gases, Apparatus for separating mechanical mixtures of. J. O. Carrey. No. 1,248,454; Dec. 4; v. 245; p. 8.
- Gases, Apparatus for the production of oxygen and hydrogen. W. Jones. No. 1,212,229; Jan. 16; v. 234; p. 700.
- Gases, Apparatus for washing and utilizing waste boiler-. F. Sargent and H. C. Heaton. No. 1,235,928; Aug. 7; v. 241; p. 131.
- Gases, Burning. W. A. Bone, J. W. Wilson, and C. D. McCourt. No. 1,222,922; Apr. 17; v. 237; p. 744.
- Gases, Combustion of mixed. W. A. Bone, J. W. Wilson, and C. D. McCourt. No. 1,223,248; Apr. 17; v. 237; p. 854.
- Gases, Compressing, purifying, drying, and cooling. W. O. Felt. No. 1,213,796; Jan. 23; v. 234; p. 1280.
- Gases, Detector of combustible. A. Philip and L. J. Steele. No. 1,224,321; May 1; v. 238; p. 74.
- Gases, Diaphragm apparatus for burning. W. A. Bone, J. W. Wilson, and C. D. McCourt. No. 1,223,308; Apr. 17; v. 237; p. 874.
- Gases, Hydraulic means for compressing. K. Gauldie. No. 1,237,196; Aug. 14; v. 241; p. 566.
- Gases, Improving the quality and yield of hydrocarbon-. J. G. Davidson and R. W. Ford. No. 1,229,042; June 5; v. 239; p. 224.
- Gases, Instrument for recording percentage volumes of constituent. W. W. Croweller. No. 1,229,587; June 12; v. 239; p. 458.
- Gases, Method of and apparatus for testing. G. G. Crewson. No. 1,245,688; Nov. 6; v. 244; p. 166.
- Gases of Portland-cement, lime, and other kilns, Apparatus for utilizing the waste. F. Schott. No. 1,234,396; July 24; v. 240; p. 1041.
- Gases, Oxidizing. F. C. Schmitz. No. 1,242,987; Oct. 16; v. 243; p. 558.
- Gases, Preheating blast-furnace. O. Oesterlen. No. 1,219,852; Mar. 20; v. 236; p. 750.
- Gases, Process and apparatus for oxidizing. I. Hechenbleikner. No. 1,249,392; Dec. 11; v. 245; p. 309.
- Gases, Process and apparatus for separation of suspended particles from. H. A. Burns. No. 1,250,088; Dec. 11; v. 245; p. 510.
- Gases, Producing nitroze. W. S. Landis. No. 1,242,953; Oct. 16; v. 243; p. 547.
- Gases, Purification of. G. Claude. No. 1,212,456; Jan. 16; v. 234; p. 781.
- Gases, Recovery of material in the form of dust from rotary-cement-kiln. L. Stevens. No. 1,214,725; Feb. 6; v. 235; p. 86.
- Gases, Treatment of coke-oven. J. I. Bronn. No. 1,211,395; Jan. 9; v. 234; p. 383.
- Gases under pressure, Storing. A. Stephenson. No. 1,230,531; June 19; v. 239; p. 807.
- Gaseous fluids, Apparatus for removing suspended matter from. H. L. Doherty. No. 1,212,193; Jan. 16; v. 234; p. 687.
- Gaseous mixtures, Apparatus for burning explosive. C. E. Richardson, W. B. Eddison and H. L. Read. No. 1,242,114; Oct. 2; v. 243; p. 205.
- Gaseous mixtures, Separation of the constituents of. G. Claude. No. 1,212,455; Jan. 16; v. 234; p. 781.
- Gasolene and oil renovator. G. Caen, Sr. No. 1,248,452; Dec. 4; v. 245; p. 7.
- Gasolene and other light oils from heavier hydrocarbons, Obtaining. U. S. Jenkins. No. 1,226,526; May 15; v. 238; p. 920.
- Gasolene cut-out. L. H. Sparks. No. 1,249,846; Dec. 11; v. 245; p. 442.
- Gasolene-engine. A. Rasmussen, Jr. No. 1,240,366; Sept. 18; v. 242; p. 587.
- Gasolene-evaporator. W. Neville. No. 1,226,107; May 15; v. 238; p. 780.
- Gasolene-gage. T. H. Kritzer. No. 1,233,065; July 10; v. 240; p. 537.
- Gasolene-gage. O. C. Ritz-Woller. No. 1,231,300; June 26; v. 239; p. 1103.
- Gasolene-gage. H. P. Woodman. No. 1,234,597; July 24; v. 240; p. 1105.
- Gasolene, Making. S. Davidson. No. 1,238,644; Aug. 28; v. 241; p. 1105.
- Gasolene, Manufacture of. A. D. Smith. No. 1,239,423; Sept. 4; v. 242; p. 223.
- Gasolene-renovator, Vacuum. J. J. Tokheim. No. 1,248,950; Dec. 4; v. 245; p. 152.
- Gasolene-separator. G. V. Ellis. No. 1,232,015; July 3; v. 240; p. 161.
- Gasolene substitute. T. E. Rice. No. 1,230,924; June 26; v. 239; p. 976.
- Gasolene-supply-tank attachment. T. W. Malone. No. 1,233,094; July 10; v. 240; p. 546.
- Gasolene-tank. G. Schuhmann. No. 1,248,172; Nov. 27; v. 244; p. 988.
- Gasolene tank and filter. H. W. Chynoweth. No. 1,235,438; July 31; v. 240; p. 1395.
- Gasolene-tank and gage for same. J. Boryszewski, Jr. No. 1,249,010; Dec. 4; v. 245; p. 169.
- Gasolene-tank for motor-cycles. L. R. Evans. No. 1,226,199; May 15; v. 238; p. 811.
- Gasolene-tank gage. J. J. Gross. No. 1,242,176; Oct. 9; v. 243; p. 266.
- Gasolene-tanks, Air-pressure-producing attachment for. R. C. Tharp and P. G. Buckles. No. 1,245,165; Nov. 6; v. 244; p. 7.
- Gasolene-water separator. A. D. Elster. No. 1,216,219; Feb. 13; v. 235; p. 649.
- Gasket. J. B. Victor. No. 1,241,587; Oct. 2; v. 243; p. 39.
- Gasket-cutter. H. A. Hunt. No. 1,246,925; Nov. 20; v. 244; p. 599.

- Gasket-cutter. J. W. Storment and J. S. Wear. No. 1,236,620; Aug. 14; v. 241; p. 383.
- Gasket-screen. J. W. Nance. No. 1,236,100; Aug. 7; v. 241; p. 184.
- Gate: *See*—
- Air-blast gate. Flash-board skimming-gate.
 - Automatically - actuated gate. Folding gate.
 - Automatically - controlled gate. Head-gate.
 - Crossing-gate. Lock-gate.
 - Elevator-gate. Mine-gate.
 - Elevator safety-gate. Mine-shaft gate.
 - End-gate. Pay-as-you-enter gate.
 - Farm-gate. Railway-gate.
 - Fence-gate. Railway-crossing gate.
 - Flash-gate. Safety-gate.
 - Gate. A. F. Beauregard. No. 1,212,439; Jan. 16; v. 234; p. 776.
 - Gate. C. A. Becker. No. 1,238,624; Aug. 28; v. 241; p. 1099.
 - Gate. E. L. Canon. No. 1,231,704; July 3; v. 240; p. 57.
 - Gate. H. L. Coats. No. 1,211,090; Jan. 2; v. 234; p. 245.
 - Gate. M. R. Fairchild. No. 1,237,766; Aug. 21; v. 241; p. 790.
 - Gate. A. G. Flory. No. 1,224,087; Apr. 24; v. 237; p. 1179.
 - Gate. R. Gilles. No. 1,213,623; Jan. 23; v. 234; p. 1223.
 - Gate. W. E. Gilkey. No. 1,247,817; Nov. 27; v. 244; p. 889.
 - Gate. C. R. Greene. No. 1,248,647; Dec. 4; v. 245; p. 65.
 - Gate. J. E. Harris. No. 1,241,972; Oct. 2; v. 243; p. 160.
 - Gate. J. T. Kent. No. 1,219,822; Mar. 20; v. 236; p. 740.
 - Gate. M. and P. M. Loomis. No. 1,219,750; Mar. 20; v. 236; p. 714.
 - Gate. M. Loprete. No. 1,231,763; July 3; v. 240; p. 76.
 - Gate. J. W. Loveland. No. 1,235,346; July 31; v. 240; p. 1369.
 - Gate. C. S. Martindale. No. 1,250,922; Dec. 18; v. 245; p. 799.
 - Gate. T. W. McGrath. No. 1,222,223; Apr. 10; v. 237; p. 459.
 - Gate. R. Pierce. No. 1,250,648; Dec. 18; v. 245; p. 716.
 - Gate. A. J. Respini and F. De Giovani. No. 1,235,381; July 31; v. 240; p. 1379.
 - Gate. R. P. Ross. No. 1,248,165; Nov. 27; v. 244; p. 986.
 - Gate. A. V. Rowe. No. 1,224,325; May 1; v. 238; p. 76.
 - Gate. A. V. Rowe. No. 1,232,609; July 10; v. 240; p. 389.
 - Gate. J. B. F. Showalter. No. 1,233,719; July 17; v. 240; p. 787.
 - Gate. S. A. Slauson. No. 1,215,728; Feb. 13; v. 235; p. 473.
 - Gate. P. W. Sommer. No. 1,228,707; June 5; v. 239; p. 113.
 - Gate. P. W. Sommer. No. 1,228,708; June 5; v. 239; p. 114.
 - Gate. G. M. Stapish. No. 1,237,835; Aug. 21; v. 241; p. 811.
 - Gate. G. H. Stingley. No. 1,232,440; July 3; v. 240; p. 298.
 - Gate. D. A. Swartsel. No. 1,223,639; Apr. 24; v. 237; p. 1025.
 - Gate. W. P. Wallace. No. 1,232,630; July 10; v. 240; p. 394.
 - Gate. L. Welker. No. 1,214,100; Jan. 30; v. 234; p. 1415.
 - Gate. T. C. Wessels and W. Kane. No. 1,225,197; May 8; v. 238; p. 428.
 - Gate. C. Winter. No. 1,225,550; May 8; v. 238; p. 548.
 - Gate-actuating mechanism. R. R. Hage. No. 1,214,913; Feb. 6; v. 235; p. 150.
 - Gate-actuating mechanism. O. S. Sand. No. 1,214,594; Feb. 6; v. 235; p. 89.
 - Gate adjustment. T. L. Patrick. No. 1,224,015; Apr. 24; v. 237; p. 1156.
 - Gate and hinge. A. Sundh. No. 1,218,715; Mar. 13; v. 236; p. 324.
 - Gate and operating mechanism for the same. W. Bergin. No. 1,216,402; Feb. 20; v. 235; p. 767.
 - Gate attachment. J. B. Clay. No. 1,230,866; June 26; v. 239; p. 957.
 - Gate attachment. B. C. Goff. No. 1,218,077; Mar. 6; v. 236; p. 66.
 - Gate-fastener. E. R. Chambers. No. 1,234,286; July 24; v. 240; p. 1005.
 - Gate-fastener. O. P. Parr. No. 1,231,421; June 26; v. 239; p. 1145.
 - Gate fastener, Wire. A. J. Murray. No. 1,212,988; Jan. 16; v. 234; p. 969.
 - Gate-hanger. C. D. Smith. No. 1,221,237; Apr. 3; v. 237; p. 83.
 - Gate hanger, Sliding. H. G. Jones. No. 1,218,869; Mar. 13; v. 236; p. 382.
 - Gate-holding device, Wire. J. M. Chmelar. No. 1,212,905; Jan. 16; v. 234; p. 939.
 - Gate-lock. J. Olson. No. 1,226,000; May 15; v. 238; p. 742.
 - Gate mechanism. C. J. Ellis. No. 1,249,051; Dec. 4; v. 245; p. 180.
 - Gate-opener. E. L. Bates. No. 1,247,921; Nov. 27; v. 244; p. 918.
 - Gate-opener, Automatic. C. H. Simpson. No. 1,216,740; Feb. 20; v. 235; p. 883.
 - Gate-opening apparatus. A. I. Du Pont. No. 1,246,567; Nov. 13; v. 244; p. 457.
 - Gate-opening device. W. S. Flick. No. 1,210,447; Jan. 2; v. 234; p. 24.
 - Gate-operating device. D. N. Shoemaker. No. 1,240,096; Sept. 11; v. 242; p. 463.
 - Gate-operating means. A. Smith. No. 1,217,353; Feb. 27; v. 235; p. 1136.
 - Gate-operating mechanism. J. M. and C. M. McDaniel. No. 1,237,797; Aug. 21; v. 241; p. 799.
 - Gate-operating mechanism. R. A. Summers. No. 1,238,844; Sept. 4; v. 242; p. 40.
 - Gate-operating mechanism, Automatic. J. P. Beil. No. 1,214,001; Jan. 30; v. 234; p. 1382.
 - Gate-operator. C. E. Groendyke. No. 1,231,252; June 26; v. 239; p. 1088.
 - Gate-operator. C. Remhark. No. 1,212,106; Jan. 9; v. 234; p. 627.
 - Gate or door closing device. R. A. Hawley. No. 1,231,526; June 26; v. 239; p. 1177.
 - Gate-post. W. H. Fridley. No. 1,234,893; July 31; v. 240; p. 1231.
 - Gate-post structure. A. Sundh. No. 1,237,837; Aug. 21; v. 241; p. 811.
 - Gate-posts, Device for preventing sagging of. M. Weber. No. 1,214,623; Feb. 6; v. 235; p. 49.
 - Gate-raiser. J. W. Hardwick, Jr. No. 1,233,225; July 10; v. 240; p. 590.
 - Gate-spring. H. E. Durst. No. 1,249,928; Dec. 11; v. 245; p. 466.
 - Gate-spring. E. C. Lehson. No. 1,232,340; July 3; v. 240; p. 268.
 - Gate-support. T. R. Greene. No. 1,243,931; Oct. 23; v. 243; p. 881.
 - Gate support and bracket, Tail. H. C. Wittich. No. 1,248,974; Dec. 4; v. 245; p. 159.
 - Gates, Runway attachment for. L. L. Anway. No. 1,242,757; Oct. 9; v. 243; p. 450.
 - Gathering and cutting device. D. H. Luce and B. S. James. No. 1,212,972; Jan. 16; v. 234; p. 964.
 - Gathering and exterminating machine. R. J. Haynes. No. 1,239,103; Sept. 4; v. 242; p. 123.
 - Gathering and jogging table. F. C. Crittenden. No. 1,228,750; June 5; v. 239; p. 128.
 - Gathering and loading machine. G. Anderson and H. P. Hofstrand. No. 1,217,131; Feb. 27; v. 235; p. 1061.
 - Gathering feed device. G. E. Molyneux and G. S. Gatchell. No. 1,238,174; Aug. 28; v. 241; p. 953.
 - Gauntlet, Signal. F. E. Lauray. No. 1,215,389; Feb. 13; v. 235; p. 350.
 - Gear. H. A. Long. No. 1,223,058; Apr. 17; v. 237; p. 791.
 - Gear. G. Olson. No. 1,230,209; June 19; v. 239; p. 701.
 - Gear. R. E. Talley. No. 1,223,216; Apr. 17; v. 237; p. 845.
 - Gear adapted to transmit rotary motion in the same axial line or at an angle, Coordinated spherical radial. G. J. Hoskins. No. 1,241,118; Sept. 25; v. 242; p. 852.
 - Gear and pulley device. R. G. Standerwick. No. 1,217,654; Feb. 27; v. 235; p. 1246.
 - Gear, Antirattling. H. J. Dubois. No. 1,240,126; Sept. 11; v. 242; p. 472.
 - Gear, Automatic advancing. J. E. Crowell. No. 1,229,893; June 12; v. 239; p. 560.
 - Gear-case. G. H. F. Holy. No. 1,248,493; Dec. 4; v. 245; p. 19.
 - Gear-casing. M. J. Walker. No. 1,251,307; Dec. 25; v. 245; p. 962.
 - Gear-casing. B. Zuck and W. E. McVay. No. 1,232,881; July 10; v. 240; p. 479.
 - Gear, Change-. A. Aichele. (Reissue.) No. 14,293; May 1; v. 238; p. 273.
 - Gear, Change-speed. F. O. Bynoe. No. 1,234,868; July 31; v. 240; p. 1222.
 - Gear, Change-speed. F. Henriad-Schweizer. No. 1,239,272; Sept. 4; v. 242; p. 178.
 - Gear, Changeable-speed. N. C. Galliher. No. 1,218,176; Mar. 6; v. 236; p. 100.
 - Gear, Composite. C. H. Calkins. No. 1,212,608; Jan. 16; v. 234; p. 836.
 - Gear-cutter. J. E. Gleason. No. 1,236,834; Aug. 14; v. 241; p. 454.
 - Gear-cutter. J. E. Gleason and A. L. Stewart. No. 1,249,378; Dec. 11; v. 245; p. 305.
 - Gear-cutter grinder. H. R. Isler. No. 1,249,631; Dec. 11; v. 245; p. 378.
 - Gear-cutting machine. F. Burgess. No. 1,233,180; July 10; v. 240; p. 576.
 - Gear-cutting machine. W. F. Folmer. No. 1,221,303; Apr. 3; v. 237; p. 106.
 - Gear-cutting machine. H. A. Garvey. No. 1,210,456; Jan. 2; v. 234; p. 27.
 - Gear-cutting machine. A. Kingsbury. No. 1,250,320; Dec. 18; v. 245; p. 619.
 - Gear-cutting machine. J. G. Rimmer. No. 1,218,210; Mar. 6; v. 236; p. 112.
 - Gear-cutting machinery. J. E. Gleason, A. L. Stewart, and W. H. Snow. No. 1,236,835; Aug. 14; v. 241; p. 454.

- Gear device, Change-. H. F. Schmidt. No. 1,231,655; July 3; v. 240; p. 39.
- Gear, Differential. C. S. Kellogg. No. 1,227,055; May 22; v. 238; p. 1137.
- Gear, Differential transmission-. C. H. Stinson. No. 1,228,713; June 5; v. 239; p. 115.
- Gear, Double-head friction-. J. F. O'Connor. No. 1,231,054; June 26; v. 239; p. 1022.
- Gear-drawing instrument. C. H. Sapper. No. 1,219,782; Mar. 20; v. 236; p. 725.
- Gear-drive for travel-indicators, Lateral. J. Berg. No. 1,213,576; Jan. 23; v. 234; p. 1207.
- Gear, Equalizing-. H. S. Pierce. No. 1,248,396; Nov. 27; v. 244; p. 1051.
- Gear, Fluid. B. C. Shipman. No. 1,231,954; July 3; v. 240; p. 139.
- Gear, Fluid-pressure-controlled reversing-. T. A. Heden-dahl. No. 1,232,797; July 10; v. 240; p. 451.
- Gear-forming machine. H. N. Anderson. No. 1,240,913; Sept. 25; v. 242; p. 791.
- Gear-frame and adjustable brake, Metal. O. Higel. No. 1,234,164; July 24; v. 240; p. 966.
- Gear, Friction-. C. E. Dath. No. 1,222,936; Apr. 17; v. 237; p. 748.
- Gear, Friction-. W. A. Geiger. No. 1,235,461; July 31; v. 240; p. 1402.
- Gear, Friction-. B. S. Johnson. No. 1,232,321; July 3; v. 240; p. 262.
- Gear, Friction-. J. R. Mitchell. No. 1,223,821; Apr. 24; v. 237; p. 1090.
- Gear, Friction-. J. F. O'Connor. No. 1,219,851; Mar. 20; v. 236; p. 750.
- Gear, Friction-. J. F. O'Connor. No. 1,223,824; Apr. 24; v. 237; p. 1091.
- Gear, Friction transmission-. J. W. Sutton and M. Meade. No. 1,225,371; May 8; v. 238; p. 489.
- Gear-generating machine. W. F. Zimmermann. No. 1,222,709; Apr. 17; v. 237; p. 672.
- Gear-generator. J. E. Gleason, A. L. Stewart, and W. H. Snow. No. 1,236,836; Aug. 14; v. 241; p. 454.
- Gear having a compound release, Friction-. J. F. O'Connor. No. 1,227,821; May 29; v. 238; p. 1424.
- Gear, High-capacity spring-. H. J. Lounsbury. No. 1,251,063; Dec. 25; v. 245; p. 890.
- Gear-hobbing machine. W. Natsch. No. 1,213,236; Jan. 23; v. 234; p. 1088.
- Gear-lock, Differential. A. M. Laycock. No. 1,210,497; Jan. 2; v. 234; p. 41.
- Gear manufacture. E. B. Mead. No. 1,233,681; July 17; v. 240; p. 775.
- Gear, Mechanical cut-out. G. C. Davison. No. 1,237,024; Aug. 14; v. 241; p. 515.
- Gear, Mechanical cut-out. G. C. Davison. No. 1,237,025; Aug. 14; v. 241; p. 516.
- Gear mechanism, Change-. J. C. Mason. No. 1,226,559; May 15; v. 238; p. 930.
- Gear mechanism, Reversing-. G. W. Moore. No. 1,214,703; Feb. 6; v. 235; p. 79.
- Gear mechanism, Speed-changing-. M. A. Stewart. No. 1,228,984; June 5; v. 239; p. 205.
- Gear-meshing mechanism. G. Fornaca. No. 1,245,452; Nov. 6; v. 244; p. 93.
- Gear or worm-wheel. W. Trinks. No. 1,230,631; June 19; v. 239; p. 841.
- Gear, Power-transmission. J. Robson. No. 1,243,223; Oct. 16; v. 243; p. 631.
- Gear, Power-transmission. J. Robson. No. 1,243,677; Oct. 16; v. 243; p. 767.
- Gear-puller. G. R. Langan. No. 1,227,457; May 22; v. 238; p. 1269.
- Gear, Radial draft. H. T. Krakau. No. 1,231,619; July 3; v. 240; p. 26.
- Gear, Resilient driving-. J. M. Waugh. No. 1,248,764; Dec. 4; v. 245; p. 100.
- Gear, roll, and the like. J. H. Carver. No. 1,242,141; Oct. 9; v. 243; p. 254.
- Gear-rolling machine. H. N. Anderson. No. 1,240,914; Sept. 25; v. 242; p. 791.
- Gear-rolling machine. H. N. Anderson. No. 1,240,915; Sept. 25; v. 242; p. 791.
- Gear-rolling machine. H. N. Anderson. No. 1,240,916; Sept. 25; v. 242; p. 792.
- Gear-rolling machine. H. N. Anderson. No. 1,240,917; Sept. 25; v. 242; p. 792.
- Gear-rolling machine. H. N. Anderson. No. 1,240,918; Sept. 25; v. 242; p. 793.
- Gear-selecting controller. J. H. Stortz. No. 1,215,742; Feb. 13; v. 235; p. 478.
- Gear-shift. B. E. Richardson. No. 1,229,655; June 12; v. 239; p. 482.
- Gear-shift. E. R. Springer. No. 1,216,178; Feb. 13; v. 235; p. 635.
- Gear-shifts, Controller for mechanical. G. W. Bungay. No. 1,233,548; July 17; v. 240; p. 732.
- Gear-shifter. C. B. Baughn. No. 1,223,136; Apr. 17; v. 237; p. 818.
- Gear-shifter, Electric. J. A. Capocéfalo and R. L. King, Jr. No. 1,219,808; Mar. 20; v. 236; p. 735.
- Gear-shifting apparatus. H. R. De Bra. No. 1,212,026; Jan. 9; v. 234; p. 601.
- Gear-shifting apparatus. N. W. Saunders. No. 1,238,701; Aug. 28; v. 241; p. 1120.
- Gear-shifting device. M. O. Cross. No. 1,248,817; Dec. 4; v. 245; p. 116.
- Gear-shifting device, Vacuum. R. F. Landis. No. 1,251,246; Dec. 25; v. 245; p. 943.
- Gear-shifting mechanism. S. A. Asquith. No. 1,229,206; June 12; v. 239; p. 329.
- Gear-shifting mechanism. A. H. Bennington. No. 1,220,935; Mar. 27; v. 236; p. 1162.
- Gear-shifting mechanism. G. B. Maegly. No. 1,233,088; July 10; v. 240; p. 544.
- Gear-shifting mechanism. A. F. Masury and A. G. Herreshoff. No. 1,241,414; Sept. 25; v. 242; p. 946.
- Gear-shifting mechanism. J. P. Nikonow. No. 1,228,812; June 5; v. 239; p. 150.
- Gear-shifting mechanism. J. J. Sims. No. 1,213,283; Jan. 23; v. 234; p. 1104.
- Gear-shifting mechanism. B. A. Walrath. No. 1,239,435; Sept. 4; v. 242; p. 227.
- Gear-shifting mechanism. B. A. Walrath. No. 1,239,436; Sept. 4; v. 242; p. 228.
- Gear-shifting mechanism. E. B. Wiles. No. 1,241,803; Oct. 2; v. 243; p. 106.
- Gear-shifting mechanism, Automatic. W. E. Burrows. No. 1,246,049; Nov. 13; v. 244; p. 301.
- Gear-shifting mechanism, Automatic. F. S. Denneen. No. 1,218,750; Mar. 13; v. 236; p. 338.
- Gear-shifting mechanism, Automatic. W. P. Sullivan. No. 1,226,144; May 15; v. 238; p. 792.
- Gear-shifting mechanism, Fluid-pressure-operated valve-. S. H. Lewis. No. 1,221,876; Apr. 10; v. 237; p. 336.
- Gear-shifting mechanism, Power. C. G. Hanna. No. 1,221,319; Apr. 3; v. 237; p. 112.
- Gear-shifting mechanism, Selective. J. C. Backus. No. 1,223,656; Apr. 24; v. 237; p. 1031.
- Gear-shifting mechanism, Selector for. H. R. De Bra. No. 1,247,509; Nov. 20; v. 244; p. 766.
- Gear, Stub buffing-. A. C. Davidson. No. 1,248,628; Dec. 4; v. 245; p. 59.
- Gear-teeth, Chamfering. L. A. Peterson and G. L. Anderson. No. 1,219,481; Mar. 20; v. 236; p. 620.
- Gear-testing machine. G. S. Green and A. W. Oswald. No. 1,222,392; Apr. 10; v. 237; p. 518.
- Gear, Tooth-form for worm-. F. W. Lanchester. No. 1,210,494; Jan. 2; v. 234; p. 40.
- Gear-tooth-rounding machine. A. H. Ingle and A. J. Gosselin. No. 1,216,454; Feb. 20; v. 235; p. 784.
- Gear, Traction-. W. T. Donnelly. No. 1,212,462; Jan. 16; v. 234; p. 784.
- Gear, Transmission-. J. L. Bandiera. No. 1,238,623; Aug. 28; v. 241; p. 1099.
- Gear, Transmission-. A. T. Forward. No. 1,239,781; Sept. 11; v. 242; p. 367.
- Gear, Transmission-. W. S. Harley. No. 1,247,829; Nov. 27; v. 244; p. 892.
- Gear, Transmission-. W. J. Herrick. No. 1,227,135; May 22; v. 238; p. 1166.
- Gear, Transmission-. J. D. Sasser. No. 1,248,726; Dec. 4; v. 245; p. 89.
- Gear, Transmission-. A. C. Wells. No. 1,214,855; Feb. 6; v. 235; p. 128.
- Gear-wheel. J. R. Gilcrest. No. 1,219,387; Mar. 13; v. 236; p. 558.
- Gear-wheel. T. E. Murray. No. 1,220,775; Mar. 27; v. 236; p. 1108.
- Gear-wheel, Laminated. J. C. Battle. No. 1,247,922; Nov. 27; v. 244; p. 918.
- Gear-wheel, Noiseless. C. H. Stange. No. 1,235,734; Aug. 7; v. 241; p. 66.
- Gear-wheel teeth, Formation of. C. A. Parsons and S. S. Cook. No. 1,220,542; Mar. 27; v. 236; p. 1031.
- Gear-wheel teeth, Formation of. C. A. Parsons and S. S. Cook. No. 1,220,543; Mar. 27; v. 236; p. 1031.
- Gear-wheels, Generating the teeth of helical. C. H. Schurr. No. 1,230,940; June 26; v. 239; p. 982.
- Gears, Control mechanism for variable-speed. C. M. Manly. No. 1,244,878; Oct. 30; v. 243; p. 1204.
- Gears, Controlling apparatus for fluid-. R. Janney. No. 1,220,424; Mar. 27; v. 236; p. 989.
- Gears, Hub for cutting involute. O. G. Simmons. No. 1,241,291; Sept. 25; v. 242; p. 911.
- Gears, Lock for differential. C. E. Storm. No. 1,222,902; Apr. 17; v. 237; p. 737.
- Gears, Locking device for change-speed. G. Schlatter. No. 1,220,790; Mar. 27; v. 236; p. 1114.
- Gears, Making. H. N. Anderson. No. 1,240,919; Sept. 25; v. 242; p. 793.
- Gears, Means for controlling and synchronizing fluid-. C. R. Pratt. No. 1,211,961; Jan. 9; v. 234; p. 582.
- Gears, Means for generating the teeth of irregular. E. R. Fellows. No. 1,221,432; Apr. 3; v. 237; p. 151.
- Gears, Mechanism for the operation and control of variable-speed. A. J. Rowledge. No. 1,240,374; Sept. 18; v. 242; p. 590.
- Gearing. W. H. Able and E. L. Fitzgerald. No. 1,225,202; May 8; v. 238; p. 429.
- Gearing. E. Berles. No. 1,223,754; Apr. 24; v. 237; p. 1066.
- Gearing. W. F. Bottger. No. 1,237,158; Aug. 14; v. 241; p. 556.
- Gearing. A. T. Brown. No. 1,227,242; May 22; v. 238; p. 1202.
- Gearing. M. S. Brown. No. 1,230,661; June 19; v. 239; p. 850.
- Gearing. W. H. Coles. No. 1,232,658; July 10; v. 240; p. 404.

Alphabetical list of inventions—Continued.

- Gearing, F. W. Cotterman. No. 1,232,004; July 3; v. 240; p. 156.
- Gearing, H. E., F. E., and H. J. Eberhardt. No. 1,246,568; Nov. 13; v. 244; p. 458.
- Gearing, K. Eggart. No. 1,210,775; Jan. 2; v. 234; p. 136.
- Gearing, G. Fast. No. 1,217,427; Feb. 27; v. 235; p. 1162.
- Gearing, C. I. Greer. No. 1,238,284; Aug. 28; v. 241; p. 989.
- Gearing, N. W. Hagen and L. Thiel. No. 1,231,880; July 3; v. 240; p. 116.
- Gearing, W. M. Hofferberth. No. 1,212,353; Jan. 16; v. 234; p. 746.
- Gearing, R. Kane. No. 1,241,855; Oct. 2; v. 243; p. 123.
- Gearing, G. B. Kehl. No. 1,245,109; Oct. 30; v. 243; p. 1273.
- Gearing, A. W. Knutson. No. 1,239,111; Sept. 4; v. 242; p. 126.
- Gearing, J. Lips. No. 1,242,004; Oct. 2; v. 243; p. 171.
- Gearing, W. L. McDonald and P. P. Stewart. No. 1,247,558; Nov. 20; v. 244; p. 778.
- Gearing, W. J. McInish. No. 1,244,223; Oct. 23; v. 243; p. 968.
- Gearing, C. E. Melhope. No. 1,212,238; Jan. 16; v. 234; p. 703.
- Gearing, A. J. Mitchell. No. 1,239,804; Sept. 11; v. 242; p. 374.
- Gearing, F. E. Moskovics. No. 1,215,047; Feb. 6; v. 235; p. 200.
- Gearing, P. H. Nickels. No. 1,213,238; Jan. 23; v. 234; p. 1089.
- Gearing, J. L. Pascal. No. 1,231,422; June 26; v. 239; p. 1145.
- Gearing, H. B. Ross. No. 1,238,198; Aug. 28; v. 241; p. 961.
- Gearing, S. E. Schroeder and C. W. Bird. No. 1,227,839; May 29; v. 238; p. 1429.
- Gearing, H. J. Smith. No. 1,222,153; Apr. 10; v. 237; p. 434.
- Gearing, C. B. Steele. No. 1,222,155; Apr. 10; v. 237; p. 435.
- Gearing, T. G. and V. H. Van Sant. No. 1,229,548; June 12; v. 239; p. 445.
- Gearing, H. C. Walter. No. 1,213,311; Jan. 23; v. 234; p. 1115.
- Gearing, R. Warriner. No. 1,223,648; Apr. 24; v. 237; p. 1028.
- Gearing, Aligning bearing for. F. K. Hurxthal. No. 1,215,810; Feb. 13; v. 235; p. 502.
- Gearing, Alternating rotary. W. Bartholomew and G. Simon. No. 1,245,308; Nov. 6; v. 244; p. 50.
- Gearing and shifting means therefor, Transmission. R. A. Ralph. No. 1,212,398; Jan. 16; v. 234; p. 761.
- Gearing attachment for roller-shafts. Belt. E. J. Welfens. No. 1,220,304; Mar. 27; v. 236; p. 947.
- Gearing, Automatic transmission. C. R. Fountain. No. 1,239,379; Sept. 4; v. 242; p. 210.
- Gearing, Automatic transmission. J. P. Nikonow. No. 1,235,047; July 31; v. 240; p. 1280.
- Gearing, Belt. F. A. Stierheim. No. 1,213,430; Jan. 23; v. 234; p. 1156.
- Gearing, Change-speed. C. D. Gibson. No. 1,242,678; Oct. 9; v. 243; p. 426.
- Gearing, Change-speed. J. T. Hardaker. No. 1,235,794; Aug. 7; v. 241; p. 86.
- Gearing, Change-speed. W. Phillips and H. W. Allingham. No. 1,225,851; May 15; v. 238; p. 692.
- Gearing, Change-speed. G. Q. Seaman. No. 1,236,113; Aug. 7; v. 241; p. 188.
- Gearing, Change-speed. T. O. Werner. No. 1,247,190; Nov. 20; v. 244; p. 674.
- Gearing-control mechanism, Transmission. V. W. Parker. No. 1,216,599; Feb. 20; v. 235; p. 835.
- Gearing device. G. W. Lewis. No. 1,211,723; Jan. 9; v. 234; p. 492.
- Gearing, Differential. F. A. Bower. No. 1,226,854; May 22; v. 238; p. 1068.
- Gearing, Differential. F. E. Eldson and E. J. Stephenson. No. 1,243,720; Oct. 23; v. 243; p. 814.
- Gearing, Differential. C. H. Logue. No. 1,248,687; Dec. 4; v. 245; p. 76.
- Gearing, Differential. W. Mennie. No. 1,225,842; May 15; v. 238; p. 689.
- Gearing, Differential. C. E. Reddig. No. 1,213,258; Jan. 23; v. 234; p. 1096.
- Gearing, Differential or compensating. E. J. Gould. No. 1,222,097; Apr. 10; v. 237; p. 414.
- Gearing, Drill. S. D. Black and A. G. Decker. No. 1,229,401; June 12; v. 239; p. 395.
- Gearing, Drive. W. K. Cleveland. No. 1,221,680; Apr. 3; v. 237; p. 235.
- Gearing, Driving or transmission. F. Burt. No. 1,211,538; Jan. 9; v. 234; p. 432.
- Gearing, Epicyclic. F. H. Royce. No. 1,225,360; May 8; v. 238; p. 486.
- Gearing for hoisting apparatus. H. Hansen and J. O. Smith. No. 1,245,225; Nov. 6; v. 244; p. 26.
- Gearing for motor agricultural machines, Transmission. A. T. Brown. No. 1,234,863; July 31; v. 240; p. 1221.
- Gearing for motor-vehicles. M. H. Bard. No. 1,230,454; June 19; v. 239; p. 781.
- Gearing for motor-vehicles. R. G. Manifold. No. 1,240,748; Sept. 18; v. 242; p. 704.
- Gearing for motor-vehicles. H. C. Waite. No. 1,210,874; Jan. 2; v. 234; p. 170.
- Gearing for station-indicators, Transmission. C. C. Tarbell. No. 1,245,064; Oct. 30; v. 243; p. 1260.
- Gearing for the reels of agricultural machinery, Variable-speed. B. P. Saunders and O. Williams. No. 1,241,446; Sept. 25; v. 242; p. 956.
- Gearing for turret-lathes and other machines. J. C. Potter. No. 1,225,487; May 8; v. 238; p. 527.
- Gearing, Friction. W. E. Buffat. No. 1,229,879; June 12; v. 239; p. 556.
- Gearing, Friction. R. D. George. No. 1,234,007; July 17; v. 240; p. 879.
- Gearing, Friction. C. M. P. Montbarbon and G. E. Chédru. No. 1,230,011; June 12; v. 239; p. 596.
- Gearing, Frictional. C. E. Jonas. No. 1,218,564; Mar. 6; v. 236; p. 233.
- Gearing, Frictional. A. Moede. No. 1,213,398; Jan. 23; v. 234; p. 1145.
- Gearing, Frictional. N. Power. No. 1,250,652; Dec. 18; v. 245; p. 717.
- Gearing, Intermittent worm. H. M. Hill. No. 1,214,786; Feb. 6; v. 235; p. 105.
- Gearing, Lever-actuated power-transmission. W. T. Lowe, Sr. No. 1,214,804; Feb. 6; v. 235; p. 110.
- Gearing mechanism, Forward and reverse. R. M. Lampman. No. 1,215,664; Feb. 13; v. 235; p. 452.
- Gearing, Planetary. R. Taine. No. 1,234,822; July 31; v. 240; p. 1208.
- Gearing, Reciprocating. M. Sitney. No. 1,210,861; Jan. 2; v. 234; p. 165.
- Gearing, Reduction. L. L. Smith. No. 1,228,493; June 5; v. 239; p. 40.
- Gearing, Reversing. J. O. Tow. No. 1,224,812; May 1; v. 238; p. 247.
- Gearing, Reversing. H. A. Tuttle. No. 1,221,113; Apr. 3; v. 237; p. 38.
- Gearing, Reversing. H. A. Tuttle. No. 1,246,502; Nov. 13; v. 244; p. 438.
- Gearing, Reversing. H. A. Tuttle. No. 1,246,503; Nov. 13; v. 244; p. 438.
- Gearing, Reversing and steering driving. C. A. Wood. No. 1,241,184; Sept. 25; v. 242; p. 874.
- Gearing, Selective speed. P. R. Duchemin. No. 1,248,635; Dec. 4; v. 245; p. 62.
- Gearing, Speed-changing, reversing and braking. G. Polard. No. 1,238,565; Aug. 28; v. 241; p. 1081.
- Gearing, Speed-reducing. G. Rathman. No. 1,232,717; July 10; v. 240; p. 425.
- Gearing, Spur. K. Alquist. No. 1,220,810; Mar. 27; v. 236; p. 1122.
- Gearing, Spur. K. Alquist. No. 1,220,811; Mar. 27; v. 236; p. 1122.
- Gearing, Toothed. E. Hatton. No. 1,213,190; Jan. 23; v. 234; p. 1071.
- Gearing, Toothed transmission. A. A. Quick. No. 1,225,856; May 15; v. 238; p. 694.
- Gearing, Transmission. H. L. Blydenburgh. No. 1,250,546; Dec. 18; v. 245; p. 687.
- Gearing, Transmission. G. P. Breed. No. 1,230,659; June 19; v. 239; p. 850.
- Gearing, Transmission. C. S. Brown. No. 1,216,410; Feb. 20; v. 235; p. 769.
- Gearing, Transmission. F. Ellwein. No. 1,241,362; Sept. 25; v. 242; p. 932.
- Gearing, Transmission. C. R. Fountain. No. 1,233,043; July 10; v. 240; p. 530.
- Gearing, Transmission. D. Grooms. No. 1,222,395; Apr. 10; v. 237; p. 520.
- Gearing, Transmission. G. V. Harriman. No. 1,210,798; Jan. 2; v. 234; p. 144.
- Gearing, Transmission. G. C. McSorley. No. 1,232,349; July 3; v. 240; p. 271.
- Gearing, Transmission. A. E. Osborn. No. 1,213,531; Jan. 23; v. 234; p. 1191.
- Gearing, Transmission. P. S. Osser. No. 1,236,749; Aug. 14; v. 241; p. 427.
- Gearing, Transmission. C. W. Parker. No. 1,210,683; Jan. 2; v. 234; p. 106.
- Gearing, Transmission. H. W. Parker. No. 1,220,883; Mar. 27; v. 236; p. 1146.
- Gearing, Transmission. I. H. Pleukharp. No. 1,229,782; June 12; v. 239; p. 523.
- Gearing, Transmission. H. B. Ross. No. 1,226,012; May 15; v. 238; p. 747.
- Gearing, Transmission. H. Schneider. No. 1,230,798; June 19; v. 239; p. 895.
- Gearing, Transmission. H. Schneider. No. 1,244,134; Oct. 23; v. 243; p. 941.
- Gearing, Transmission. W. G. Stanek. No. 1,225,881; May 15; v. 238; p. 702.
- Gearing, Transmission. P. W. Tooth. No. 1,246,683; Nov. 13; v. 244; p. 491.
- Gearing, Transmission. C. B. Trussell. No. 1,236,789; Aug. 14; v. 241; p. 440.
- Gearing, Transmission. R. H. Tuggle. No. 1,245,404; Nov. 6; v. 244; p. 79.
- Gearing, Transmission. C. P. Waterous. No. 1,250,738; Dec. 18; v. 245; p. 744.
- Gearing, Traverse-mechanism. W. Connolly. No. 1,245,876; Nov. 6; v. 244; p. 222.
- Gearing, Variable-speed. C. M. Conradson. No. 1,216,775; Feb. 20; v. 230; p. 895.

- Gearing, Variable-speed. G. Eaton. No. 1,223,862; Apr. 24; v. 237; p. 1104.
 Gearing, Variable-speed. A. Groves. No. 1,221,047; Apr. 3; v. 237; p. 15.
 Gearing, Variable-speed. E. J. Hall. No. 1,212,346; Jan. 16; v. 234; p. 743.
 Gearing, Variable-speed. M. Pedersen. No. 1,235,498; July 31; v. 240; p. 1413.
 Gearing, Variable-speed. G. Pollard. No. 1,217,059; Feb. 20; v. 235; p. 990.
 Gearing, Variable-speed. G. Pollard. No. 1,231,529; June 26; v. 239; p. 1178.
 Gearing, Variable-speed. R. B. Rice. No. 1,214,369; Jan. 30; v. 234; p. 1509.
 Gearing, Variable-speed. E. G. Staude. No. 1,220,373; Mar. 27; v. 236; p. 971.
 Gearing, Variable-speed. G. J. Thomas. No. 1,234,966; July 31; v. 240; p. 1256.
 Gearing, Variable-speed. P. A. Weigel. No. 1,227,985; May 29; v. 238; p. 1430.
 Gearing, Variable-speed-transmission. F. B. Cannock. No. 1,225,925; May 15; v. 238; p. 717.
 Gearing, Variable-speed-transmission. N. H. E. Clark. No. 1,250,967; Dec. 25; v. 245; p. 862.
 Gearing, Yieldable. B. M. W. Hanson. No. 1,217,760; Feb. 27; v. 235; p. 1280.
 Gearless differential. A. F. Ford. No. 1,238,659; Aug. 28; v. 241; p. 1109.
 Gelatinous substances, Electro-osmotic purification of. B. Schwerin. No. 1,235,064; July 31; v. 240; p. 1285.
 Generating and lighting device. H. R. Van Deventer. No. 1,249,861; Dec. 11; v. 245; p. 446.
 Generator: *See*—
 Acetylene-generator. Hydrocarbon-generator.
 Bevel-gear generator. Igniting and lighting generator.
 Current-generator. Motor-generator.
 Electric generator. Oscillation-generator.
 Electric-current generator. Power-generator.
 Ethylene-generator. Pressure-generator.
 Gas-generator. Steam-generator.
 Gear-generator. Thermo-electric generator.
 Heat and moisture generator. Vapor, steam, and hot-water generator.
 Heat and steam generator.
 Generator. J. B. Dalbey. No. 1,214,139; Jan. 30; v. 234; p. 1428.
 Generator and burner, Combined. M. Norman. No. 1,226,798; May 22; v. 238; p. 1050.
 Generator drive mechanism. A. G. Herreshoff. No. 1,244,207; Oct. 23; v. 243; p. 962.
 Generator-regulating apparatus. J. W. Jepson. No. 1,236,179; Aug. 7; v. 241; p. 209.
 Generator suspension. W. L. Bliss. No. 1,245,664; Nov. 6; v. 244; p. 159.
 Generator suspension. R. M. Dixon. (Reissue.) No. 1,431,7; June 19; v. 239; p. 907.
 Generators and motors, Brush and holder for. J. B. Peters. No. 1,222,982; Apr. 17; v. 237; p. 765.
 Geometrical instrument. J. R. Peirce. No. 1,242,467; Oct. 9; v. 243; p. 357.
 Geometrical instruments and the like, Adjusting mechanism for. C. W. Thomas and H. D. Orth. No. 1,234,234; July 24; v. 240; p. 988.
 Geometrical machine. W. S. Eaton. No. 1,241,721; Oct. 2; v. 243; p. 81.
 Geometrical machine. W. S. Eaton. No. 1,241,722; Oct. 2; v. 243; p. 82.
 Geometrical machine. W. S. Eaton. No. 1,241,723; Oct. 2; v. 243; p. 82.
 Geometry, Apparatus for solving problems of spherical. J. Macé. No. 1,223,502; Apr. 24; v. 237; p. 977.
 Geometry, Apparatus for teaching. J. O. Carson. No. 1,250,796; Dec. 18; v. 245; p. 761.
 Gin. N. B. Henry. No. 1,210,646; Jan. 2; v. 234; p. 94.
 Gin-rib. J. M. Westbrook. No. 1,237,984; Aug. 21; v. 241; p. 858.
 Gin-saw cleaners, Gearing for. O. B. Robertson. No. 1,249,504; Dec. 11; v. 245; p. 341.
 Gin-saw gummer. J. G. Falls. No. 1,216,299; Feb. 20; v. 235; p. 729.
 Gin-saw-gumming machine. J. E. Taylor. No. 1,210,723; Jan. 2; v. 234; p. 120.
 Gin-saw shafts, Quick-demountable bearing for. A. W. Merkel. No. 1,230,591; June 19; v. 239; p. 828.
 Ginning. W. D. McCoy. No. 1,238,543; Aug. 28; v. 241; p. 1074.
 Girder and beam forms, Hanger for temporary. E. O. Keator. No. 1,237,525; Aug. 21; v. 241; p. 712.
 Glare-protector. M. J. Fitzgerald. No. 1,228,545; June 5; v. 239; p. 59.
 Glass: *See*—
 Alarm-glass. Looking-glass.
 Gage-glass. Ornamental glass.
 Headlight-glass. Water-gage glass.
 Glass. E. G. Johanson. No. 1,249,408; Dec. 11; v. 245; p. 313.
 Glass. G. A. Macbeth. No. 1,214,202; Jan. 30; v. 234; p. 1449.
 Glass. J. Williams. No. 1,221,641; Apr. 3; v. 237; p. 222.
 Glass and hydrochloric acid, Making window. W. Glaeser. No. 1,234,457; July 24; v. 240; p. 1062.
 Glass and making it, Non-scatterable. A. Roosevelt. No. 1,210,987; Jan. 2; v. 234; p. 210.
 Glass and making the same, Pot for the manufacture of plate-. C. H. Kerr. No. 1,217,956; Mar. 6; v. 234; p. 24.
 Glass and producing same, Multiple-plate reinforced. A. Bardin. No. 1,223,135; Apr. 17; v. 237; p. 818.
 Glass and similar substances, Apparatus for cutting plastic. F. L. O. Wadsworth. No. 1,241,790; Oct. 2; v. 243; p. 102.
 Glass, Apparatus for manipulating plate-. J. W. Cruikshank. No. 1,248,819; Dec. 4; v. 245; p. 117.
 Glass, Apparatus for the manufacture of. J. A. Chambers. No. 1,232,494; July 10; v. 240; p. 352.
 Glass, Apparatus for the manufacture of. J. A. Chambers. No. 1,232,495; July 10; v. 240; p. 353.
 Glass apparatus, Window-. R. Summersgill. No. 1,220,906; Mar. 27; v. 236; p. 1153.
 Glass-article-molding machine, Automatic. A. Wilzin. No. 1,251,156; Dec. 25; v. 245; p. 917.
 Glass article of manufacture, Reinforced-. J. Beiswanger. No. 1,212,174; Jan. 16; v. 234; p. 680.
 Glass articles and blanks for use in such process, Process of manufacturing blown-. R. W. Canfield. No. 1,235,003; July 31; v. 240; p. 1268.
 Glass articles, Apparatus for making hollow. J. F. Geigenheimer. No. 1,212,135; Jan. 9; v. 234; p. 638.
 Glass articles, Centering mechanism for. W. H. Tichborne. No. 1,223,219; Apr. 17; v. 237; p. 845.
 Glass articles, Finishing or polishing. G. R. West. No. 1,210,572; Jan. 2; v. 234; p. 67.
 Glass articles, Manufacture of hollow. A. Kadow. No. 1,221,332; Apr. 3; v. 237; p. 117.
 Glass articles, Method of and means for forming. W. S. Hough, Jr. No. 1,236,937; Aug. 14; v. 241; p. 487.
 Glass articles, Method of and means for forming. W. S. Hough, Jr. No. 1,236,938; Aug. 14; v. 241; p. 487.
 Glass articles, Producing. R. La France. No. 1,231,751; July 3; v. 240; p. 73.
 Glass articles, Tool for use in tubulating hollow. R. Barber, Jr. No. 1,230,367; June 19; v. 239; p. 753.
 Glass-blocking machine. A. H. Bosson. No. 1,217,142; Feb. 27; v. 235; p. 1064.
 Glass-blowing apparatus, Window-. T. A. Miller. No. 1,214,349; Jan. 30; v. 234; p. 1502.
 Glass-blowing machine. A. Kadow. No. 1,248,664; Dec. 4; v. 245; p. 70.
 Glass bottles and the like, Apparatus for use in the manufacture of. L. N. Bruner. No. 1,229,028; June 5; v. 239; p. 219.
 Glass bottles, jars, and the like, Machine for the manufacture of. J. H. Steele. No. 1,213,291; Jan. 23; v. 234; p. 1106.
 Glass bottles, retorts, and the like, Tubulating. R. Barber, Jr. No. 1,230,368; June 19; v. 239; p. 753.
 Glass candlesticks, Molding apparatus for. A. J. Sanford. No. 1,236,606; Aug. 14; v. 241; p. 378.
 Glass carrier, Plate-. A. Dietrich. No. 1,215,350; Feb. 13; v. 235; p. 336.
 Glass casket. J. W. De Camp. (Reissue.) No. 1,435,7; Sept. 11; v. 242; p. 489.
 Glass-casting apparatus. H. G. Slingluff. No. 1,214,089; Jan. 30; v. 234; p. 1412.
 Glass-clip-plug assembly. W. C. Rands. No. 1,243,445; Oct. 16; v. 243; p. 696.
 Glass cover. J. S. Jenkins. No. 1,235,692; Aug. 7; v. 241; p. 52.
 Glass-cutter. S. G. Monce. No. 1,232,366; July 3; v. 240; p. 277.
 Glass-cutter, Circular. A. F. Johnston. No. 1,219,461; Mar. 20; v. 236; p. 613.
 Glass-cutters, Mounting for. S. G. Monce. No. 1,221,076; Apr. 3; v. 237; p. 26.
 Glass-cutting machine. G. P. Herrick. No. 1,226,659; May 22; v. 238; p. 1002.
 Glass cylinders, Apparatus for drawing. W. Westbury. No. 1,236,241; Aug. 7; v. 241; p. 230.
 Glass cylinders, Apparatus for handling. H. G. Slingluff. No. 1,213,285; Jan. 23; v. 234; p. 1104.
 Glass, Device for cleaning panes of. G. Kales. No. 1,250,468; Dec. 18; v. 245; p. 663.
 Glass-drawing apparatus. C. Day. No. 1,225,591; May 8; v. 238; p. 563.
 Glass-drawing apparatus. L. S. Skelton. No. 1,242,055; Oct. 2; v. 243; p. 186.
 Glass-drawing apparatus. L. S. Skelton. No. 1,243,564; Oct. 16; v. 243; p. 731.
 Glass-drawing apparatus. A. E. Spinasse. No. 1,224,032; Apr. 24; v. 237; p. 1160.
 Glass-drawing apparatus. W. Westbury. No. 1,249,868; Dec. 11; v. 245; p. 448.
 Glass-drawing apparatus, Bait for. W. Westbury. No. 1,243,023; Oct. 16; v. 243; p. 570.
 Glass-drawing apparatus, Continuous. R. G. Ewing. No. 1,240,185; Sept. 18; v. 242; p. 529.
 Glass-drawing apparatus, Guard or shield for. W. Westbury. No. 1,225,541; May 8; v. 238; p. 545.
 Glass-drawing apparatus, Ring-shield for. W. L. Monroe. No. 1,231,776; July 3; v. 240; p. 80.
 Glass-drawing, Means for excluding stones in. J. Durieux. No. 1,212,031; Jan. 9; v. 234; p. 603.
 Glass-drawing method and apparatus. S. W. Manning. No. 1,239,024; Sept. 4; v. 242; p. 98.

Alphabetical list of inventions—Continued.

- Glass-feeding method and machine, Molten-. K. E. Peiler. No. 1,234,934; July 31; v. 240; p. 1245.
- Glass-feeding system for drawing apparatus. W. L. Monro. No. 1,248,372; Nov. 27; v. 244; p. 1044.
- Glass-feeding table. W. H. McSwain. No. 1,230,424; June 19; v. 239; p. 770.
- Glass flattening stones, Scraper for. O. B. Carnahan. No. 1,229,711; June 12; v. 239; p. 499.
- Glass-forming machine. F. O'Neill. No. 1,217,102; Feb. 20; v. 235; p. 1005.
- Glass from a furnace or the like, Mechanism for delivering. T. Stenhouse. No. 1,236,496; Aug. 14; v. 241; p. 343.
- Glass, Gathering. C. F. Cox. No. 1,212,189; Jan. 16; v. 234; p. 686.
- Glass-gathering mechanism. A. Kadow. No. 1,223,393; Apr. 24; v. 237; p. 936.
- Glass-gathering mechanism, Mold for. A. Kadow. No. 1,223,392; Apr. 24; v. 237; p. 936.
- Glass, Gathering molten. G. E. Howard. No. 1,231,610; July 3; v. 240; p. 24.
- Glass-grinding machine. M. Porwska. No. 1,234,562; July 24; v. 240; p. 1096.
- Glass-grinding machine. E. A. Ryon. No. 1,251,114; Dec. 25; v. 245; p. 904.
- Glass-grinding machine. E. A. Ryon. No. 1,251,115; Dec. 25; v. 245; p. 904.
- Glass-grinding machinery, Sand-grading apparatus for. J. Willis. No. 1,223,461; Apr. 24; v. 237; p. 960.
- Glass, Machine for serving. E. Hopkinson. No. 1,249,401; Dec. 11; v. 245; p. 311.
- Glass-machines, Drop-feeding device for. L. A. Drey. No. 1,215,507; Feb. 13; v. 235; p. 392.
- Glass machines, Pot for window-. G. W. Modlin and H. J. Lutz. No. 1,215,571; Feb. 13; v. 235; p. 417.
- Glass-making, Apparatus for handling material in. J. A. Bechtel. (Reissue.) No. 1,432,0; June 26; v. 239; p. 1184.
- Glass-making apparatus, Sheet-. J. Barnes. No. 1,247,617; Nov. 27; v. 244; p. 828.
- Glass-making apparatus, Wire-. A. Shuman. No. 1,232,107; July 3; v. 240; p. 193.
- Glass-making, Handling material in. J. A. Bechtel. No. 1,224,892; May 8; v. 238; p. 326.
- Glass-making machine, Quartz-. A. Frost. No. 1,232,785; July 10; v. 240; p. 447.
- Glass manufacture. A. A. Icenhour. No. 1,242,444; Oct. 9; v. 243; p. 349.
- Glass manufacture. T. J. McCoy. No. 1,217,614; Feb. 27; v. 235; p. 1230.
- Glass manufacture. T. J. McCoy. No. 1,246,764; Nov. 13; v. 244; p. 514.
- Glass, Manufacture of plate-. R. S. Pease. No. 1,217,340; Feb. 27; v. 235; p. 1131.
- Glass, Manufacture of reinforced. A. Bardin. No. 1,228,165; May 29; v. 238; p. 1538.
- Glass-measuring device. C. A. Tatum. No. 1,218,492; Mar. 6; v. 236; p. 207.
- Glass-melting pot. E. A. Gillinder. No. 1,223,959; Apr. 24; v. 237; p. 1136.
- Glass, Method and apparatus for making sheet-. I. W. Colburn. No. 1,248,809; Dec. 4; v. 245; p. 114.
- Glass-molding machine. C. Rankin. No. 1,217,635; Feb. 27; v. 235; p. 1239.
- Glass-molds, Heating appliance for. C. Haas. No. 1,248,483; Dec. 4; v. 245; p. 16.
- Glass objects, Making. A. E. Spinasse. No. 1,241,480; Sept. 25; v. 242; p. 966.
- Glass, Ornamental sheet-. H. W. Weld. No. 1,220,576; Mar. 27; v. 236; p. 1043.
- Glass plates, Apparatus for use in cutting. M. A. Oleson. No. 1,242,028; Oct. 2; v. 243; p. 178.
- Glass-polishing machine. C. F. Lindburg. No. 1,251,251; Dec. 25; v. 245; p. 944.
- Glass, Producing articles of quartz. O. C. Trautmann. No. 1,215,432; Feb. 13; v. 235; p. 364.
- Glass, Producing articles of quartz. O. C. Trautmann. No. 1,215,433; Feb. 13; v. 235; p. 364.
- Glass-protector. A. A. Hoese. No. 1,238,669; Aug. 28; v. 241; p. 1112.
- Glass, Rack for handling plate-. C. L. Smith. No. 1,213,032; Jan. 16; v. 234; p. 984.
- Glass-securing device. J. P. Murnane. No. 1,230,758; June 19; v. 239; p. 882.
- Glass-separating devices, Stop means for. H. A. Heupel. No. 1,220,632; Mar. 27; v. 236; p. 1062.
- Glass-shaping machine. M. J. Owens. No. 1,245,262; Nov. 6; v. 244; p. 36.
- Glass sign character. H. F. Anderson. No. 1,249,880; Dec. 11; v. 245; p. 452.
- Glass sign characters, Method of and means for the production of. R. R. Wiley. No. 1,248,582; Dec. 4; v. 245; p. 46.
- Glass stoppers, Grinding. M. Mathy. No. 1,232,465; July 3; v. 240; p. 307.
- Glass-tank. W. G. Bergman. No. 1,237,283; Aug. 21; v. 241; p. 634.
- Glass-tank. W. A. Jones. No. 1,250,893; Dec. 18; v. 245; p. 790.
- Glass-tank floater. J. D. Cain. No. 1,240,937; Sept. 25; v. 242; p. 798.
- Glass-tank furnace. W. G. Bergman. No. 1,237,282; Aug. 21; v. 241; p. 634.
- Glass vessels, Paper closure for. G. W. Beadle. No. 1,220,586; Mar. 27; v. 236; p. 1047.
- Glass-working machine. F. W. Pawling. No. 1,217,494; Feb. 27; v. 235; p. 1187.
- Glassware, Apparatus for the manufacture of. O. Moberg. No. 1,242,837; Oct. 9; v. 243; p. 476.
- Glassware, Decorating. H. S. Evans. No. 1,226,957; May 22; v. 238; p. 1103.
- Glassware, Machine for making hollow. E. S. Hutton. No. 1,241,516; Oct. 2; v. 243; p. 14.
- Glassware, Making. M. A. Smith. No. 1,239,051; Sept. 4; v. 242; p. 106.
- Glassware, Making. F. W. Stewart. No. 1,247,031; Nov. 20; v. 244; p. 628.
- Glassware, Making molds for ornamental. O. A. Mygatt. No. 1,226,609; May 15; v. 238; p. 946.
- Glassware, Manufacture of. K. E. Peiler. No. 1,222,243; Apr. 10; v. 237; p. 467.
- Glassware presenting brecciated-marble effects, Producing. H. Northwood. No. 1,229,315; June 12; v. 239; p. 366.
- Glassware-pressing machine. E. Ferngren. No. 1,213,853; Jan. 30; v. 234; p. 1331.
- Glassware, Producing decorative color effects on. H. Northwood. No. 1,217,490; Feb. 27; v. 235; p. 1185.
- Glaziers' points, Implement for applying. J. A. Moffat. No. 1,240,473; Sept. 18; v. 242; p. 622.
- Glazing. C. J. Soli. No. 1,217,356; Feb. 27; v. 235; p. 1137.
- Glazing-bar. F. W. Ashby. No. 1,242,904; Oct. 16; v. 243; p. 531.
- Glazing-bar. T. R. McDowell and S. G. Perkins. No. 1,229,631; June 12; v. 239; p. 473.
- Glazing construction. W. P. Waugh. No. 1,227,861; May 29; v. 238; p. 1437.
- Glazing construction. W. P. Waugh. No. 1,243,020; Oct. 16; v. 243; p. 569.
- Globe-holder. H. R. Humphrey. No. 1,222,628; Apr. 17; v. 237; p. 644.
- Globe-suspending apparatus, Geographic-. A. S. Smith. No. 1,239,231; Sept. 4; v. 242; p. 164.
- Glove. B. Budweiser. No. 1,250,963; Dec. 25; v. 245; p. 861.
- Glove. L. T. Burroughs. No. 1,239,255; Sept. 4; v. 242; p. 172.
- Glove. R. N. Carson. No. 1,219,248; Mar. 13; v. 236; p. 510.
- Glove. R. N. Carson and G. E. Thompson. No. 1,238,634; Aug. 28; v. 241; p. 1102.
- Glove. A. Charney. No. 1,235,010; July 31; v. 240; p. 1269.
- Glove. C. F. Diddle. No. 1,237,180; Aug. 14; v. 241; p. 562.
- Glove. E. B. Jones. No. 1,231,168; June 26; v. 239; p. 1061.
- Glove. E. C. Ostermann. No. 1,238,804; Sept. 4; v. 242; p. 27.
- Glove. J. Tazelaar. No. 1,244,142; Oct. 23; v. 243; p. 943.
- Glove and mitten. J. P. Möller. No. 1,215,688; Feb. 13; v. 235; p. 460.
- Glove, Boxing-. D. B. McCarthy and D. F. O'Brien. No. 1,232,819; July 10; v. 240; p. 458.
- Glove-cleaning machine. M. Gallet. No. 1,210,634; Jan. 2; v. 234; p. 89.
- Glove, Cotton. J. P. Möller. No. 1,225,155; May 8; v. 238; p. 414.
- Glove, Detachable-gauntlet. T. K. Heise. No. 1,217,307; Feb. 27; v. 235; p. 1120.
- Glove, Fisherman's-. H. Nielsen. No. 1,243,622; Oct. 16; v. 243; p. 750.
- Glove-form. J. A. Isaacs. No. 1,215,158; Feb. 6; v. 235; p. 235.
- Glove-former. E. E. Pless. No. 1,239,959; Sept. 11; v. 242; p. 424.
- Glove holding, stretching, and shaping device. M. M. Gillam. No. 1,221,165; Apr. 3; v. 237; p. 57.
- Glove, Reversible. J. E. Dowd. No. 1,241,941; Oct. 2; v. 243; p. 151.
- Glove, Rubber. R. T. Griffith. No. 1,225,027; May 8; v. 238; p. 371.
- Glove, Toe-. M. Marglous. No. 1,245,253; Nov. 6; v. 244; p. 34.
- Glove, Writing-. A. Usterud. No. 1,247,183; Nov. 20; v. 244; p. 672.
- Gloves and the like, Felt welt and making same for. L. Knee. No. 1,231,382; June 26; v. 239; p. 1131.
- Gloves, Mold for the manufacture of rubber. R. T. Griffith. No. 1,225,028; May 8; v. 238; p. 371.
- Glue and allied substances, Machine for cooling. K. Upton. No. 1,237,587; Aug. 21; v. 241; p. 732.
- Glue-clamp machine. N. J. Billstrom. No. 1,219,429; Mar. 20; v. 236; p. 603.
- Glue-jointer adjustment. A. R. Clas. No. 1,230,379; June 19; v. 239; p. 756.
- Glue-like material, Process of and apparatus for drying. L. Mooney. No. 1,235,716; Aug. 7; v. 241; p. 59.
- Glue, Making. F. G. Perkins. No. 1,251,275; Dec. 25; v. 245; p. 952.
- Glue or adhesive. D. F. Ferney. No. 1,235,784; Aug. 7; v. 241; p. 83.
- Glue or adhesive, Vegetable. R. W. Tunnell. No. 1,248,039; Nov. 27; v. 244; p. 949.

- Glue or like substances, Manufacture of products adapted to precipitate. A. Römer. No. 1,222,033; Apr. 10; v. 237; p. 392.
- Glue-pot. L. C. Maltby. No. 1,224,764; May 1; v. 238; p. 230.
- Glue-spreader. F. G. Perkins. No. 1,238,810; Sept. 4; v. 242; p. 29.
- Glycols, Manufacture of. B. T. Brooks and I. Humphrey. No. 1,215,903; Feb. 13; v. 235; p. 535.
- Glyoxylic acid or its compounds, Making. M. Vaygouny. No. 1,227,706; May 29; v. 238; p. 1383.
- Go-cart. G. E. O'Hearn. No. 1,212,243; Jan. 16; v. 234; p. 706.
- Go-cart, Adjustable. G. K. Wo. No. 1,241,183; Sept. 25; v. 242; p. 874.
- Go-cart and nursery-chair, Combined. R. P. Crawford. No. 1,246,721; Nov. 13; v. 244; p. 501.
- Go-cart storm-apron. E. M. Nagle. No. 1,220,529; Mar. 27; v. 236; p. 1026.
- Go-cart, umbrella-support, and carpet-beater, Combined. C. N. Allen. No. 1,247,485; Nov. 20; v. 244; p. 758.
- Goggle-hinge. H. J. Brennecke. No. 1,230,555; June 19; v. 239; p. 816.
- Goggles. L. Dunkelsberg. No. 1,225,116; May 8; v. 238; p. 401.
- Goggles. L. Dunkelsberg. No. 1,227,896; May 29; v. 238; p. 1449.
- Goggles. L. O. Gagnon. No. 1,241,955; Oct. 2; v. 243; p. 154.
- Goggles. W. J. Hines. No. 1,219,815; Mar. 20; v. 236; p. 737.
- Goggles. F. W. King. No. 1,223,076; Apr. 17; v. 237; p. 797.
- Goggles. W. G. King. No. 1,220,755; Mar. 27; v. 236; p. 1103.
- Goggles. D. J. Reagan. No. 1,235,842; Aug. 7; v. 241; p. 102.
- Goggles, Automobile. F. C. Howe. No. 1,239,691; Sept. 11; v. 242; p. 339.
- Goggles, Automobile. L. Patery. No. 1,240,594; Sept. 18; v. 242; p. 657.
- Goggles, Welding. F. A. Ihrcke. No. 1,246,928; Nov. 20; v. 244; p. 600.
- Gold and silver from ore containing gold, silver, and manganese dioxide, Extracting. M. H. Caron. No. 1,232,216; July 3; v. 240; p. 228.
- Gold and silver from minerals, Separation of. R. Reyes. No. 1,243,976; Oct. 23; v. 243; p. 894.
- Gold-beating machine. F. H. Scardefield. No. 1,246,168; Nov. 13; v. 244; p. 336.
- Gold-concentrating plant. N. L. Raber. No. 1,231,297; June 26; v. 239; p. 1102.
- Gold-dredge. G. T. Cowles. No. 1,220,197; Mar. 27; v. 236; p. 908.
- Gold-leaf, Manufacturing imitation. A. G. Zimmer. No. 1,234,250; July 24; v. 240; p. 994.
- Gold or other metal leaf impressions, Making. F. A. Putnam. No. 1,243,552; Oct. 16; v. 243; p. 728.
- Gold or other metal leaf impressions, Making. F. A. Putnam. No. 1,243,553; Oct. 16; v. 243; p. 728.
- Gold-saving apparatus, Subaqueous. S. Caldwell. No. 1,230,274; June 19; v. 239; p. 723.
- Gold-saving pan. S. L. Winchester. No. 1,240,396; Sept. 18; v. 242; p. 597.
- Gold-separator. B. P. Tuggle. No. 1,235,945; Aug. 7; v. 241; p. 137.
- Gold-separator, Vacuum. W. Shore. No. 1,211,495; Jan. 9; v. 234; p. 416.
- Gold-testing device. R. D. Vercler. No. 1,229,827; June 12; v. 239; p. 539.
- Gold-washing machine. J. A. Furtado. No. 1,241,954; Oct. 2; v. 243; p. 154.
- Golf and like outdoor games, Practice device for. L. S. Gates. No. 1,218,390; Mar. 6; v. 236; p. 174.
- Golf and other playing ball. P. A. Martin and J. Stanley. No. 1,242,832; Oct. 9; v. 243; p. 474.
- Golf-bag. G. L. Pierce. No. 1,227,657; May 29; v. 238; p. 1367.
- Golf-bag. J. E. Schank. No. 1,229,326; June 12; v. 239; p. 370.
- Golf-ball hanger. T. Fabritius. No. 1,229,428; June 12; v. 239; p. 404.
- Golf-ball-marking machine. E. F. Bacheller and J. H. Stewart. No. 1,228,736; June 5; v. 239; p. 123.
- Golf-balls, Coating. H. A. Hoffman. No. 1,251,029; Dec. 25; v. 245; p. 881.
- Golf-club. E. M. Fitzjohn and E. A. Stanton. No. 1,250,296; Dec. 18; v. 245; p. 821.
- Golf-club. J. L. Hudson. No. 1,211,708; Jan. 9; v. 234; p. 488.
- Golf-club. B. M. Kaye. No. 1,222,770; Apr. 17; v. 237; p. 692.
- Golf-club. H. L. Kent. No. 1,213,382; Jan. 23; v. 234; p. 1140.
- Golf-club. A. E. Lard. No. 1,218,091; Mar. 6; v. 236; p. 70.
- Golf-club. A. E. Lard. No. 1,232,816; July 10; v. 240; p. 457.
- Golf-club. G. F. Pittar. No. 1,235,922; Aug. 7; v. 241; p. 129.
- Golf-club. L. H. Vorles. No. 1,219,417; Mar. 13; v. 236; p. 568.
- Golf-club, Adjustable. A. C. Goodrich. No. 1,250,301; Dec. 18; v. 245; p. 613.
- Golf-club head. A. E. Lard. No. 1,249,127; Dec. 4; v. 245; p. 201.
- Golf-club receptacle, Adjustable wheeled. J. Kelley. No. 1,231,030; June 26; v. 239; p. 1013.
- Golf-club shaft. J. P. Cochrane and J. Patrick. No. 1,239,356; Sept. 4; v. 242; p. 204.
- Golf driving-machine. J. H. Nott. No. 1,210,970; Jan. 2; v. 234; p. 204.
- Golf-practising device. T. J. Porte. No. 1,224,410; May 1; v. 238; p. 107.
- Golf-practising machine. F. L. Morse. No. 1,229,309; June 12; v. 239; p. 364.
- Golf-putting, Device for catching rolling balls to be used in the game of indoor. E. M. Long. No. 1,229,766; June 12; v. 239; p. 518.
- Golf score-card. J. J. Eaton and A. V. Free. No. 1,224,452; May 1; v. 238; p. 122.
- Golf-stick grip. G. A. Rees. No. 1,213,014; Jan. 16; v. 234; p. 978.
- Golf-tee. B. R. Benjamin. No. 1,215,316; Feb. 6; v. 235; p. 291.
- Golf-tee. I. De Kaiser. No. 1,248,826; Dec. 4; v. 245; p. 119.
- Golf-tee. C. G. Duganne. No. 1,216,094; Feb. 13; v. 235; p. 605.
- Golosh. J. W. Gannon. No. 1,217,167; Feb. 27; v. 235; p. 1073.
- Gong. C. M. Proctor. No. 1,237,384; Aug. 21; v. 241; p. 667.
- Gong, Electromechanical. H. E. Reeve. No. 1,245,508; Nov. 6; v. 244; p. 110.
- Gopher-trap. J. W. Stratton. No. 1,230,054; June 12; v. 239; p. 610.
- Governor. C. Balough. No. 1,241,808; Oct. 2; v. 243; p. 108.
- Governor. T. Douglas. No. 1,214,287; Jan. 30; v. 234; p. 1480.
- Governor. A. T. Kasley. No. 1,231,261; June 26; v. 239; p. 1090.
- Governor. W. D. La Rue. No. 1,245,112; Oct. 30; v. 243; p. 1274.
- Governor. B. G. Royal. No. 1,245,125; Oct. 30; v. 243; p. 1279.
- Governor. E. F. Stoffel. No. 1,230,337; June 19; v. 239; p. 743.
- Governor, Constant-volume. R. H. Rice. No. 1,250,015; Dec. 11; v. 245; p. 489.
- Governor control. M. S. Larson. No. 1,243,078; Oct. 16; v. 243; p. 589.
- Governor, Explosive-engine. O. O. Storle. No. 1,243,359; Oct. 16; v. 243; p. 671.
- Governor for fuel-injection pumps of engines of the semi-Diesel or like types. W. R. Kahlenberg. No. 1,221,542; Apr. 3; v. 237; p. 190.
- Governor for steam-engines, Centrifugal. S. Rosenzweig. No. 1,239,828; Sept. 11; v. 242; p. 383.
- Governor, Gas-engine. R. B. Benjamin. No. 1,212,177; Jan. 16; v. 234; p. 681.
- Governor, Internal-combustion-engine. A. M. Chase. No. 1,218,981; Mar. 13; v. 236; p. 420.
- Governor, Internal-combustion-engine. G. W. Topping. No. 1,212,851; Jan. 16; v. 234; p. 920.
- Governor, Motor-fluid. G. A. Weld. No. 1,245,648; Nov. 6; v. 244; p. 154.
- Governor, Pneumatic. H. W. Cheney. No. 1,215,621; Feb. 13; v. 235; p. 436.
- Grab. D. J. Barnard. No. 1,218,921; Mar. 13; v. 236; p. 400.
- Grab-hook. C. McPherson. No. 1,243,617; Oct. 16; v. 243; p. 749.
- Grab-hook and strut-puller. J. H. Land. No. 1,249,781; Dec. 11; v. 245; p. 423.
- Grab-type rectifier. J. J. Zeitz. No. 1,229,849; June 12; v. 239; p. 546.
- Grader. H. Brand. No. 1,241,336; Sept. 25; v. 242; p. 924.
- Grader. C. A. Larkin. No. 1,218,782; Mar. 13; v. 236; p. 349.
- Grader and separator. A. F. Brace. No. 1,236,256; Aug. 7; v. 241; p. 234.
- Grader-blade. B. J. Wendell. No. 1,249,264; Dec. 4; v. 245; p. 242.
- Grader or excavating-machine. W. J. Dankel and C. E. Van Pelt. No. 1,216,779; Feb. 20; v. 235; p. 897.
- Grader, Road-. J. W. Brannan. No. 1,246,862; Nov. 20; v. 244; p. 580.
- Grader, Road-. E. W. Burgess. No. 1,233,840; July 17; v. 240; p. 826.
- Grader, Road-. R. A. Hawley. No. 1,213,869; Jan. 30; v. 234; p. 1336.
- Grader, Road-. J. D. Martin. No. 1,213,672; Jan. 23; v. 234; p. 1239.
- Grader, Road-. J. J. Nilson. No. 1,210,517; Jan. 2; v. 234; p. 48.
- Grader, Road-. J. R. Pile. No. 1,249,187; Dec. 4; v. 245; p. 219.
- Grader, Road-. E. W. Smith. No. 1,228,979; June 5; v. 239; p. 203.
- Grading apparatus. L. Anderson. No. 1,227,501; Apr. 3; v. 237; p. 176.

- Grading apparatus, Road, &c. W. J. Williamson and J. F. Shoemaker. No. 1,241,070; Sept. 25; v. 242; p. 838.
- Grading device. H. J. Bentson. No. 1,237,260; Aug. 14; v. 241; p. 589.
- Grading-machine. A. Anderson. No. 1,248,985; Dec. 4; v. 245; p. 162.
- Grading-machine. C. G. Carlberg. No. 1,228,530; June 5; v. 239; p. 54.
- Grading-machine. J. J. Fossum. No. 1,235,456; July 31; v. 240; p. 1400.
- Grading-machine. I. V. Matson. No. 1,242,573; Oct. 9; v. 243; p. 392.
- Grading-machine. C. K. Stockland. No. 1,247,895; Nov. 27; v. 244; p. 911.
- Grading-machine. R. Waterman. No. 1,241,686; Oct. 2; v. 243; p. 69.
- Grading-machine. C. E. and W. G. Werts. No. 1,235,086; July 31; v. 240; p. 1291.
- Grading machine, Road-. J. M. Bresee. No. 1,225,006; May 8; v. 238; p. 364.
- Grading machine, Road-. J. H. Keetle. No. 1,211,167; Jan. 2; v. 234; p. 271.
- Grading or screening apparatus. E. E. Landahl. No. 1,232,052; July 3; v. 240; p. 175.
- Grading or separating machine. S. Marshall. No. 1,228,800; June 5; v. 239; p. 146.
- Gradometer. W. C. Morrow. No. 1,219,341; Mar. 13; v. 236; p. 542.
- Grafting trees and shrubbery, Tool for side-. G. C. Boller. No. 1,236,045; Aug. 7; v. 241; p. 169.
- Grain and other materials, Apparatus for drying and conditioning. J. F. Lahart, C. J. Bour, and F. B. Harman. No. 1,232,336; July 3; v. 240; p. 267.
- Grain-bin. D. F. Beegle. No. 1,222,516; Apr. 10; v. 237; p. 562.
- Grain-bin. A. N. Eaton. No. 1,217,424; Feb. 27; v. 235; p. 1161.
- Grain-bin alarm. W. E. Stine. No. 1,239,315; Sept. 4; v. 242; p. 191.
- Grain-binder. B. R. Benjamin. No. 1,241,490; Oct. 2; v. 243; p. 4.
- Grain-binder. C. R. Raney. No. 1,237,695; Aug. 21; v. 241; p. 768.
- Grain-binder. C. W. Robinson. No. 1,211,627; Jan. 9; v. 234; p. 461.
- Grain-binder. F. A. Ryther. No. 1,216,368; Feb. 20; v. 235; p. 753.
- Grain-binder attachment. A. Anderson. No. 1,231,690; July 3; v. 240; p. 52.
- Grain-binder deck. A. E. Holmberg. No. 1,239,791; Sept. 11; v. 242; p. 370.
- Grain-binder-disk guard. F. Dumler. No. 1,225,598; May 8; v. 238; p. 565.
- Grain-binder knot-tying device. E. W. Jenkins. No. 1,239,793; Sept. 11; v. 242; p. 371.
- Grain-binders, Head-holder for. B. R. Benjamin. No. 1,226,629; May 22; v. 238; p. 992.
- Grain, Bleaching. W. E. Ellis. No. 1,214,526; Feb. 6; v. 235; p. 15.
- Grain-carrier. F. S. Vogeler and H. S. Sprecher. No. 1,233,623; July 17; v. 240; p. 758.
- Grain cleaner and washer. P. Provost. No. 1,244,542; Oct. 30; v. 243; p. 1102.
- Grain cleaning and drying apparatus. M. Borislavsky. No. 1,225,403; May 8; v. 238; p. 500.
- Grain-cleaning device, Collapsible. J. A. Johnson. No. 1,242,811; Oct. 9; v. 243; p. 467.
- Grain, Cleansing. M. W. Hunt. No. 1,239,396; Sept. 4; v. 242; p. 216.
- Grain-cleansing machine. M. W. Hunt. No. 1,239,397; Sept. 4; v. 242; p. 216.
- Grain-collector. G. W. Underwood. No. 1,224,871; May 1; v. 238; p. 267.
- Grain-confection machine. E. Fletcher. No. 1,233,335; July 17; v. 240; p. 659.
- Grain-cutter. H. McLoughlin. No. 1,225,836; May 15; v. 238; p. 687.
- Grain-distributor. F. K. Hurxthal. No. 1,215,809; Feb. 13; v. 235; p. 501.
- Grain-drier. J. Fitz. No. 1,249,058; Dec. 4; v. 245; p. 182.
- Grain-drier. A. W. French. No. 1,219,816; Mar. 20; v. 236; p. 738.
- Grain-drier. O. W. Randolph. No. 1,239,216; Sept. 4; v. 242; p. 159.
- Grain-drying apparatus. D. R. Olmsted. No. 1,236,473; Aug. 14; v. 241; p. 334.
- Grain-drying apparatus. G. Staunton. No. 1,212,275; Jan. 16; v. 234; p. 719.
- Grain-drill. T. Brennan, Jr. No. 1,223,142; Apr. 17; v. 237; p. 820.
- Grain-drill. C. L. Fowler. No. 1,211,929; Jan. 9; v. 234; p. 569.
- Grain-drill. R. C. Lindsten. No. 1,233,375; July 17; v. 240; p. 673.
- Grain-drill. D. A. Schutt. No. 1,226,707; May 22; v. 238; p. 1017.
- Grain-drill. A. R. Shaffer. No. 1,243,560; Oct. 16; v. 243; p. 730.
- Grain-drill. J. Sturrock. No. 1,226,721; May 22; v. 238; p. 1022.
- Grain-drill attachment. W. J. McAdams. No. 1,222,644; Apr. 17; v. 237; p. 649.
- Grain-drill, Disk. C. F. Miller. No. 1,234,372; July 24; v. 240; p. 1034.
- Grain-drills and the like, Bearing for. F. K. Hurxthal. No. 1,215,811; Feb. 13; v. 235; p. 502.
- Grain-drills and the like, Variable-speed mechanism for. C. W. Robinson. No. 1,218,807; Mar. 13; v. 236; p. 359.
- Grain-elevating guard, Attachable. W. M. Wadleigh. No. 1,250,251; Dec. 18; v. 245; p. 599.
- Grain-elevator. J. J. Shotwell. No. 1,242,482; Oct. 9; v. 243; p. 362.
- Grain elevator and separator, Pneumatic. C. P. Nall. No. 1,231,778; July 3; v. 240; p. 81.
- Grain-elevator, Pneumatic. J. R. Wright. No. 1,236,032; Aug. 7; v. 241; p. 165.
- Grain-handling device. L. W. Helden. No. 1,224,031; May 8; v. 238; p. 373.
- Grain-handling machine, Headed-. T. W. Patterson. No. 1,250,640; Dec. 18; v. 245; p. 714.
- Grain-heading machine. C. C. Forbes, Jr. No. 1,217,933; Mar. 6; v. 236; p. 17.
- Grain-huller. B. C. Buffum. No. 1,242,136; Oct. 9; v. 243; p. 253.
- Grain-hulling machine. A. B. Couch. No. 1,231,534; June 26; v. 239; p. 1179.
- Grain or hay grinder. H. B. Fortney. No. 1,211,566; Jan. 9; v. 234; p. 441.
- Grain or the like shaker. C. R. Raney. No. 1,234,803; July 31; v. 240; p. 1203.
- Grain-pan screen. D. Ambler. No. 1,223,352; Apr. 24; v. 237; p. 923.
- Grain-pickler. J. Fox. No. 1,218,250; Mar. 6; v. 236; p. 128.
- Grain-pickling device. E. Dolter. No. 1,234,305; July 24; v. 240; p. 1012.
- Grain-pickling machine. C. H. Nelson. No. 1,244,761; Oct. 30; v. 243; p. 1169.
- Grain-polishing machine. H. J. Piepgras. No. 1,240,775; Sept. 18; v. 242; p. 713.
- Grain-reclaiming device. C. D. Morrison. No. 1,230,757; June 19; v. 239; p. 882.
- Grain-sampler. T. L. James and W. H. Beeson. No. 1,229,273; June 12; v. 239; p. 352.
- Grain-sampling device. C. R. Bennett. No. 1,222,919; Apr. 17; v. 237; p. 743.
- Grain-scouring appliance. L. Hicks. No. 1,221,855; Apr. 10; v. 237; p. 329.
- Grain-separator. J. B. Cornwall. No. 1,226,189; May 15; v. 238; p. 808.
- Grain-separator. A. S. Goodman. No. 1,243,284; Oct. 16; v. 243; p. 648.
- Grain-separator. J. Gunn. No. 1,217,299; Feb. 27; v. 235; p. 1117.
- Grain-separator. J. D. Jones. No. 1,249,966; Dec. 11; v. 245; p. 476.
- Grain-separator. P. Jorgenson. No. 1,243,528; Oct. 16; v. 243; p. 721.
- Grain-separator. H. Mahrer. No. 1,220,657; Mar. 27; v. 236; p. 1070.
- Grain-separator. D. A. Radle. No. 1,235,596; Aug. 7; v. 241; p. 22.
- Grain-separator. J. Stadther and A. Bengtson. No. 1,241,045; Sept. 25; v. 242; p. 830.
- Grain-separator. C. A. Torrence. No. 1,221,110; Apr. 3; v. 237; p. 37.
- Grain-separator. A. Wilford. No. 1,237,004; Aug. 14; v. 241; p. 508.
- Grain-separator feeder. A. J. Peterson. No. 1,249,663; Dec. 11; v. 245; p. 387.
- Grain-separators, Fan for. B. E. Woodbury. No. 1,237,437; Aug. 21; v. 241; p. 685.
- Grain-separators, Wind-regulator for. R. R. Hager. No. 1,237,896; Aug. 21; v. 241; p. 829.
- Grain-shocker. C. W. Ames. No. 1,233,955; July 17; v. 240; p. 864.
- Grain-shocker. B. R. Benjamin. No. 1,222,718; Apr. 17; v. 237; p. 676.
- Grain-shocker. E. Budinger. No. 1,232,652; July 10; v. 240; p. 402.
- Grain-shocker. H. Mumm. No. 1,217,332; Feb. 27; v. 235; p. 1128.
- Grain-shocker. O. B. Peterson. No. 1,214,215; Jan. 30; v. 234; p. 1453.
- Grain-shocker. C. R. Raney. No. 1,222,798; Apr. 17; v. 237; p. 702.
- Grain-shocker. C. R. Raney. No. 1,226,369; May 15; v. 238; p. 870.
- Grain-shocker. C. R. Raney and R. C. Livesay. No. 1,226,371; May 15; v. 238; p. 871.
- Grain-shocker. W. M. Stevens. No. 1,248,943; Dec. 4; v. 245; p. 151.
- Grain-shocker. P. C. Timm. No. 1,236,018; Aug. 7; v. 241; p. 161.
- Grain-shocking machine. C. R. Raney. No. 1,215,191; Feb. 6; v. 235; p. 247.
- Grain-shocking machine. C. R. Raney. No. 1,226,374; May 15; v. 238; p. 872.
- Grain-shocking machine. C. R. Raney. No. 1,247,005; Nov. 20; v. 244; p. 622.
- Grain-shocking machine. C. R. Raney and R. C. Livesay. No. 1,219,150; Mar. 13; v. 236; p. 477.
- Grain-spout elevator and adjuster. M. E. Stinnett. No. 1,227,976; May 29; v. 238; p. 1477.

- Grain-stalks, Mechanism for gripping and carrying. V. E. Freeman and L. P. Whitaker. No. 1,228,200; May 29; v. 238; p. 1549.
- Grain-stooker. W. H. Church. No. 1,240,823; Sept. 25; v. 242; p. 762.
- Grain-stooker. A. Loftson and G. H. Richardson. No. 1,246,963; Nov. 20; v. 244; p. 609.
- Grain-storehouse construction. L. H. Dickelman. No. 1,219,267; Mar. 13; v. 236; p. 516.
- Grain-tank. H. G. Harrison. No. 1,242,935; Oct. 16; v. 243; p. 541.
- Grain-tank. H. E. Splater. No. 1,219,786; Mar. 20; v. 236; p. 727.
- Grain-tank. W. R. Veckruse. No. 1,213,041; Jan. 16; v. 234; p. 987.
- Grain-tank seat. W. P. Quiggle. No. 1,216,730; Feb. 20; v. 235; p. 879.
- Grain-tester. A. J. Bridges. No. 1,230,855; June 26; v. 239; p. 953.
- Grain-transferring apparatus. C. H. Swarner. No. 1,213,971; Jan. 30; v. 234; p. 1371.
- Grain-treating apparatus. P. J. H. Moore. No. 1,220,160; Mar. 20; v. 236; p. 862.
- Grain-treating apparatus. M. E. Pearson. No. 1,218,114; Mar. 6; v. 236; p. 79.
- Grain-winning machine. J. D. Jones. No. 1,235,899; Aug. 7; v. 241; p. 121.
- Gauging mechanism. S. G. Goss and E. J. Smith. No. 1,233,049; July 10; v. 240; p. 532.
- Gramophone and the like. N. Pemberton-Billing. No. 1,230,509; June 19; v. 239; p. 800.
- Gramophone. Portable cabinet. A. Fischer. No. 1,224,369; May 1; v. 238; p. 91.
- Gramophone-record holder. W. J. Sharples. No. 1,229,330; June 12; v. 239; p. 371.
- Granulating-machine. E. A. Walters. No. 1,224,815; May 1; v. 238; p. 248.
- Grape-fruit pliers. C. L. Brouwer-Ancher. No. 1,223,556; Apr. 24; v. 237; p. 996.
- Graphite lubricator. T. H. Brickley. No. 1,234,861; July 31; v. 240; p. 1220.
- Graphitic carbon from graphite scale, Recovering. F. W. Weissmann. No. 1,239,992; Sept. 11; v. 242; p. 433.
- Grappophone. P. Majorana. No. 1,219,752; Mar. 20; v. 236; p. 714.
- Grappophone. W. C. Potts. No. 1,229,518; June 12; v. 239; p. 435.
- Grappophone and other disk record holder. J. Heitman. No. 1,242,550; Oct. 9; v. 243; p. 384.
- Grappophone attachment. J. I. Buffa. No. 1,244,170; Oct. 23; v. 243; p. 951.
- Grappophone-machine attachment. E. C. Walter. No. 1,225,538; May 8; v. 238; p. 543.
- Grappophone-needle box. K. Kawaguchi. No. 1,247,843; Nov. 27; v. 244; p. 897.
- Grappophone speed-controller. J. H. Bragdon. No. 1,211,066; Jan. 2; v. 234; p. 238.
- Grappophone-stop. C. S. Gerlach and C. F. Herman. No. 1,234,008; July 17; v. 240; p. 879.
- Grappophone-tone-arm stop. J. R. Hare. No. 1,223,970; Apr. 24; v. 237; p. 1140.
- Grappophones, Automatic stopping device for. C. Cate. No. 1,226,749; May 22; v. 238; p. 1032.
- Grapple. A. J. Bates. No. 1,234,263; July 24; v. 240; p. 998.
- Grapple. J. J. Fox. No. 1,243,150; Oct. 16; v. 243; p. 608.
- Grapple. M. W. Gilmartin. No. 1,223,960; Apr. 24; v. 237; p. 1136.
- Grapple. O. T. Gregg. No. 1,231,596; July 3; v. 240; p. 19.
- Grapple. W. O. Wedge. No. 1,220,481; Mar. 27; v. 236; p. 1010.
- Grass and weed cutter. L. S. Taylor. No. 1,248,751; Dec. 4; v. 245; p. 96.
- Grass-catcher. B. Van Why. No. 1,236,507; Aug. 14; v. 241; p. 346.
- Grass digger, Quack-. F. Klose. No. 1,251,050; Dec. 25; v. 245; p. 886.
- Grass-plot foundation. W. H. Tucker. No. 1,224,692; May 1; v. 238; p. 205.
- Grass-scorcher. B. C. Russell. No. 1,223,115; Apr. 17; v. 237; p. 810.
- Grasshopper and making same, Imitation. M. M. Palmer. No. 1,248,390; Nov. 27; v. 244; p. 1049.
- Grate. S. E. Brown and H. C. Kain. No. 1,214,422; Jan. 30; v. 234; p. 1526.
- Grate. G. A. Kohout. No. 1,246,937; Nov. 20; v. 244; p. 502.
- Grate. G. L. Walker. No. 1,236,023; Aug. 7; v. 241; p. 162.
- Grate attachment. M. H. Chandler. No. 1,245,087; Oct. 30; v. 243; p. 1267.
- Grate-bar. G. S. Carrick. No. 1,218,594; Mar. 6; v. 236; p. 244.
- Grate-bar. D. Dee. No. 1,220,204; Mar. 27; v. 236; p. 911.
- Grate-bar. F. Fréchette. No. 1,224,159; May 1; v. 238; p. 14.
- Grate-bar. J. J. Shevlin. No. 1,250,369; Dec. 18; v. 245; p. 634.
- Grate-bar for marine and stationary boilers. W. C. Codd. No. 1,212,018; Jan. 9; v. 234; p. 599.
- Grate, Camp-. L. A. Weyburn. No. 1,244,932; Oct. 30; v. 243; p. 1221.
- Grate-cleaner. C. F. Pierce and S. C. Byrd. No. 1,217,342; Feb. 27; v. 235; p. 1131.
- Grate, Collapsible camp-. L. E. Moore. No. 1,244,357; Oct. 23; p. 243; p. 1008.
- Grate, Gas-burning. E. F. Fisher. No. 1,249,366; Dec. 11; v. 245; p. 302.
- Grate, Mechanically-operated. H. Bauer. No. 1,223,661; Apr. 24; v. 237; p. 1033.
- Grates, Operating mechanism for shaker-. R. C. White. No. 1,228,626; June 5; v. 239; p. 85.
- Grater. A. Ross. No. 1,228,247; May 29; v. 238; p. 1565.
- Grater. N. Rubenstein. No. 1,248,166; Nov. 27; v. 244; p. 986.
- Gravity-carrier. H. J. Buck. No. 1,226,182; May 15; v. 238; p. 806.
- Grease and oil cup. A. E. Toomey. No. 1,219,197; Mar. 13; v. 236; p. 492.
- Grease-cellar. A. J. Sams. No. 1,236,879; Aug. 14; v. 241; p. 467.
- Grease-cup. H. E. Argo. No. 1,229,012; June 5; v. 239; p. 215.
- Grease-cup. J. H. Arseneault. No. 1,222,256; Apr. 10; v. 237; p. 470.
- Grease-cup. L. G. Copeman. No. 1,222,185; Apr. 10; v. 237; p. 446.
- Grease-cup. J. F. Cravin. No. 1,234,635; July 24; v. 240; p. 1117.
- Grease-cup. J. F. Cravin. No. 1,234,636; July 24; v. 240; p. 1118.
- Grease-cup. N. W. Cummins. No. 1,233,648; July 17; v. 240; p. 765.
- Grease-cup. W. W. Davis and W. W. MacDonald. No. 1,221,031; Apr. 3; v. 237; p. 10.
- Grease-cup. J. G. Debbeler and F. J. Kirsch. No. 1,211,419; Jan. 9; v. 234; p. 391.
- Grease-cup. D. B. Diss and O. E. Hamtil. No. 1,247,235; Nov. 20; v. 244; p. 688.
- Grease-cup. G. Donges. No. 1,234,307; July 24; v. 240; p. 1012.
- Grease-cup. E. N. Garrison. No. 1,230,088; June 12; v. 239; p. 622.
- Grease-cup. H. Gibbs. No. 1,213,861; Jan. 30; v. 234; p. 1333.
- Grease-cup. H. Gibbs. No. 1,248,475; Dec. 4; v. 245; p. 14.
- Grease-cup. A. C. Grunwald. No. 1,227,130; May 22; v. 238; p. 1164.
- Grease-cup. A. C. Grunwald. No. 1,227,131; May 22; v. 238; p. 1165.
- Grease-cup. A. W. Holl. No. 1,213,372; Jan. 23; v. 234; p. 1136.
- Grease-cup. R. H. Limpp and U. Wineland. No. 1,227,543; May 22; v. 238; p. 1298.
- Grease-cup. F. Loedige. No. 1,218,677; Mar. 13; v. 236; p. 310.
- Grease-cup. G. L. Lotz. No. 1,249,142; Dec. 4; v. 245; p. 205.
- Grease-cup. J. S. McCoy. No. 1,226,786; May 22; v. 238; p. 1046.
- Grease-cup. W. W. Morrow and C. H. Burgett. No. 1,213,678; Jan. 23; v. 234; p. 1241.
- Grease-cup. E. L. Shipp. No. 1,239,311; Sept. 4; v. 242; p. 190.
- Grease-cup. J. A. and E. E. Sowell. No. 1,219,599; Mar. 20; v. 236; p. 662.
- Grease-cup. D. H. Twaits. No. 1,226,725; May 22; v. 238; p. 1024.
- Grease-cup. D. H. Twaits. No. 1,241,584; Oct. 2; v. 243; p. 38.
- Grease-cup. O. Zerk. No. 1,222,509; Apr. 10; v. 237; p. 530.
- Grease-cup. O. Zerk. No. 1,223,019; Apr. 17; v. 237; p. 777.
- Grease-cup. O. Zerk. No. 1,227,730; May 29; v. 238; p. 1392.
- Grease-cup. O. Zerk. No. 1,227,731; May 29; v. 238; p. 1392.
- Grease-cup, Automatic. J. F. Craven. No. 1,222,851; Apr. 17; v. 237; p. 720.
- Grease-cup base. D. H. Twaits. No. 1,225,078; May 8; v. 238; p. 388.
- Grease-cup bodies, Making. O. Zerk. No. 1,225,915; May 15; v. 238; p. 714.
- Grease-cup body. D. H. Twaits. No. 1,222,910; Apr. 17; v. 237; p. 740.
- Grease-cup body. D. H. Twaits. No. 1,225,375; May 8; v. 238; p. 491.
- Grease-cup cap. D. H. Twaits. No. 1,225,077; May 8; v. 238; p. 387.
- Grease-cup, Friction-locked. E. Tyden. No. 1,240,906; Sept. 25; v. 242; p. 789.
- Grease-cup, Lubricating. P. F. Rogers. No. 1,242,477; Oct. 9; v. 243; p. 361.
- Grease-cups, Force-feeder for. F. Mason. No. 1,221,551; Apr. 3; v. 237; p. 194.
- Grease-cups, Operating-lever for. H. L. Schmidt. No. 1,236,883; Aug. 14; v. 241; p. 469.
- Grease-gun. W. T. Field and J. A. Dumbolton. No. 1,224,914; May 8; v. 238; p. 333.
- Grease-gun. J. H. Gordon. No. 1,235,134; July 31; v. 240; p. 1306.

Alphabetical list of inventions—Continued.

- Grease-gun. A. W. Morse. No. 1,248,526; Dec. 4; v. 245; p. 28.
- Grease-gun. S. J. Rognlie. No. 1,233,510; July 17; v. 240; p. 719.
- Grease-gun. E. R. Thompson. No. 1,236,232; Aug. 7; v. 241; p. 227.
- Grease-retainer. F. Jones. No. 1,248,129; Nov. 27; v. 244; p. 975.
- Grease-retainer. P. S. Martin. No. 1,218,439; Mar. 6; v. 236; p. 191.
- Grease-retainer. J. Wahl. No. 1,223,453; Apr. 24; v. 237; p. 957.
- Grease-shield. C. M. Sherwood. No. 1,250,035; Dec. 11; v. 245; p. 495.
- Greaser. J. M. Keil. No. 1,213,655; Jan. 23; v. 234; p. 1233.
- Greaser, Griddle-. C. V. Gleckner. No. 1,224,457; May 1; v. 238; p. 124.
- Greaser, Griddle-. H. C. Hendery. No. 1,250,872; Dec. 18; v. 245; p. 784.
- Greasing device for bakers' use. G. Emanuelson. No. 1,222,370; Apr. 10; v. 237; p. 511.
- Greasing device, Pan-. E. A. Werner. No. 1,242,404; Oct. 9; v. 243; p. 338.
- Greasing-machine. C. Van Amburgh. No. 1,214,618; Feb. 6; v. 235; p. 47.
- Green chromium compound and making same. G. Engl, A. Grob, and F. Straub. No. 1,213,608; Jan. 23; v. 234; p. 1218.
- Greenhouse. W. H. Lutton. No. 1,210,502; Jan. 2; v. 234; p. 43.
- Greenhouse, Sectional. T. J. Callahan. No. 1,221,672; Apr. 3; v. 237; p. 232.
- Grenade. W. Mills. No. 1,232,590; July 10; v. 240; p. 382.
- Grenade. J. A. Steinmetz. No. 1,225,884; May 15; v. 238; p. 703.
- Grenade. H. C. Williamson. No. 1,231,228; June 26; v. 239; p. 1080.
- Grenade and like percussive bombs, Hand-. J. D. Hamilton. No. 1,236,295; Aug. 7; v. 241; p. 245.
- Grenade and other explosive shell, Hand-. H. E. Asbury. No. 1,234,943; July 31; v. 240; p. 1247.
- Grenade and the like. W. Mills. No. 1,223,598; Apr. 24; v. 237; p. 1009.
- Grenade and the like. W. Mills. No. 1,223,599; Apr. 24; v. 237; p. 1010.
- Grenade and the like. W. Mills. No. 1,223,600; Apr. 24; v. 237; p. 1010.
- Grenade, Hand-. H. E. Asbury. No. 1,234,713; July 31; v. 240; p. 1176.
- Grenade, Hand-. L. L. Billant. No. 1,217,556; Feb. 27; v. 235; p. 1210.
- Grenade, Hand-. E. M. Shinkle. No. 1,242,053; Oct. 2; v. 243; p. 185.
- Grenade, incendiary and other bomb, and the like, Hand-. W. Mills and W. Morgan. No. 1,213,397; Jan. 23; v. 234; p. 1144.
- Grenade or bomb. J. H. Trismen. No. 1,243,781; Oct. 23; v. 243; p. 835.
- Grill. H. P. Ball. No. 1,238,080; Aug. 28; v. 241; p. 921.
- Grinder. H. E. Tidmarsh. No. 1,231,671; July 3; v. 240; p. 45.
- Grinder, Anatomical articulating-. H. Mannon, H. M. Brown, and R. G. Perkins. No. 1,232,355; July 3; v. 240; p. 273.
- Grinder counter-shaft. H. Dalton. No. 1,213,594; Jan. 23; v. 234; p. 1213.
- Grinder, Disk-. E. Batterman. No. 1,213,727; Jan. 23; v. 234; p. 1257.
- Grinder, Disk. J. A. McIntosh. No. 1,235,708; Aug. 7; v. 241; p. 56.
- Grinder, Electric portable. E. Ritz, Jr. No. 1,241,659; Oct. 2; v. 243; p. 61.
- Grinder, Feed-. F. A. Ryther. No. 1,250,358; Dec. 18; v. 245; p. 630.
- Grinder, Internal. A. Schachat. No. 1,250,107; Dec. 11; v. 245; p. 516.
- Grinder mechanism. F. W. Redshaw. No. 1,228,135; May 29; v. 238; p. 1529.
- Grinder-plate. J. A. Craig. No. 1,248,814; Dec. 4; v. 245; p. 115.
- Grinder, Surface-. H. F. A. Kleinschmidt. No. 1,225,040; May 8; v. 238; p. 376.
- Grinding and polishing machine. H. D. Agnew. No. 1,248,051; Nov. 27; v. 244; p. 952.
- Grinding and polishing machine. F. R. Patch. No. 1,233,120; July 10; v. 240; p. 555.
- Grinding and tumbling mill. F. H. Ensign. No. 1,238,652; Aug. 28; v. 241; p. 1107.
- Grinding apparatus. W. E. Hice. No. 1,224,169; May 1; v. 238; p. 19.
- Grinding apparatus, Multiple-cylinder-. C. F. Grow and J. M. Courtney. No. 1,241,964; Oct. 2; v. 243; p. 157.
- Grinding-bur. J. H. Letz. No. 1,244,513; Oct. 30; v. 243; p. 1093.
- Grinding-bur. J. H. Letz. No. 1,244,514; Oct. 30; v. 243; p. 1093.
- Grinding-bur. J. H. Letz. No. 1,244,515; Oct. 30; v. 243; p. 1094.
- Grinding-bur. J. H. Letz. No. 1,244,516; Oct. 30; v. 243; p. 1094.
- Grinding-bur. J. H. Letz. No. 1,244,517; Oct. 30; v. 243; p. 1094.
- Grinding device. F. M. Henshaw. No. 1,240,716; Sept. 18; v. 242; p. 694.
- Grinding formed cutters, Means for truing wheels for. W. O. Barnes. No. 1,236,898; Aug. 14; v. 241; p. 473.
- Grinding in tube-mills. O. Schultz. No. 1,225,061; May 8; v. 238; p. 382.
- Grinding-machine. B. J. Bengtsson. No. 1,224,593; May 1; v. 238; p. 171.
- Grinding-machine. E. J. Bodey. No. 1,213,149; Jan. 23; v. 234; p. 1057.
- Grinding-machine. H. Buerk and A. W. Happel. No. 1,230,462; June 19; v. 239; p. 784.
- Grinding-machine. H. Buerk and A. W. Happel. No. 1,230,993; June 26; v. 239; p. 1001.
- Grinding-machine. L. W. Bugbee. No. 1,245,865; Nov. 6; v. 244; p. 219.
- Grinding-machine. W. I. Callaway. No. 1,230,111; June 19; v. 239; p. 668.
- Grinding-machine. H. H. Eaton. No. 1,228,418; June 5; v. 239; p. 15.
- Grinding-machine. B. L. Fry. No. 1,220,086; Mar. 20; v. 236; p. 832.
- Grinding-machine. H. R. Isler. No. 1,249,632; Dec. 11; v. 245; p. 378.
- Grinding-machine. T. H. Jarvis. No. 1,233,670; July 17; v. 240; p. 772.
- Grinding-machine. J. J. Lescher. No. 1,219,827; Mar. 20; v. 236; p. 741.
- Grinding-machine. J. H. Letz. No. 1,223,497; Apr. 24; v. 237; p. 974.
- Grinding-machine. E. S. Lyons. No. 1,223,500; Apr. 24; v. 237; p. 976.
- Grinding-machine. L. F. McNally. No. 1,244,352; Oct. 23; v. 243; p. 1006.
- Grinding-machine. W. C. Osterholm. No. 1,230,595; June 19; v. 239; p. 830.
- Grinding-machine. H. J. Perkins. No. 1,248,539; Dec. 4; v. 245; p. 32.
- Grinding-machine. R. D. Pike. No. 1,212,552; Jan. 16; v. 234; p. 816.
- Grinding-machine. G. G. Rhinevault. No. 1,236,604; Aug. 14; v. 241; p. 377.
- Grinding-machine. H. B. Ross. No. 1,229,526; June 12; v. 239; p. 438.
- Grinding-machine. E. P. Sacrey. No. 1,233,608; July 17; v. 240; p. 753.
- Grinding-machine. J. Schmidt. No. 1,237,255; Aug. 14; v. 241; p. 587.
- Grinding-machine. F. Starin. No. 1,229,162; June 5; v. 239; p. 264.
- Grinding-machine. M. Wagner. No. 1,214,098; Jan. 30; v. 234; p. 1414.
- Grinding machine, Cylinder-. E. W. Clark. No. 1,244,703; Oct. 30; v. 243; p. 1151.
- Grinding machine, Cylinder-. T. C. Olson. No. 1,217,339; Feb. 27; v. 235; p. 1131.
- Grinding-machine feed mechanism. A. M. Drake. No. 1,231,720; July 3; v. 240; p. 63.
- Grinding-machine feeder. H. Von Wolforsdorf. No. 1,246,193; Nov. 13; v. 244; p. 344.
- Grinding-machine for closure devices. W. R. Elmer. No. 1,243,496; Oct. 16; v. 243; p. 712.
- Grinding-machine guard. E. O. Partridge. No. 1,217,996; Mar. 6; v. 236; p. 38.
- Grinding machine, Internal-. G. G. Whitney. No. 1,249,871; Dec. 11; v. 245; p. 449.
- Grinding-machine, Multiple. J. W. W. Cumming. No. 1,217,417; Feb. 27; v. 235; p. 1159.
- Grinding machine, Platen-. A. R. Ames. No. 1,243,241; Oct. 16; v. 243; p. 635.
- Grinding machine, Roll-. L. R. Heim. No. 1,210,937; Jan. 2; v. 234; p. 193.
- Grinding-machine table. C. H. Norton. No. 1,235,232; July 31; v. 240; p. 1334.
- Grinding-machine tool-holder. T. Lumsden. No. 1,231,920; July 3; v. 240; p. 129.
- Grinding-machines, Article-collecting device for. H. D. Piper. No. 1,248,157; Nov. 27; v. 244; p. 984.
- Grinding-machines, Driving mechanism for. C. I. Boe. No. 1,235,182; July 31; v. 240; p. 1320.
- Grinding machines, Feeding device for roll-. L. R. Heim. No. 1,210,936; Jan. 2; v. 234; p. 193.
- Grinding-machines, Table driving and feeding mechanism for. A. M. Drake. No. 1,223,155; Apr. 17; v. 237; p. 825.
- Grinding-mill. G. H. Blankmann. No. 1,231,478; June 26; v. 239; p. 1162.
- Grinding-mill. L. Boutard. No. 1,224,354; May 1; v. 238; p. 87.
- Grinding-mill. D. Cole. No. 1,222,184; Apr. 10; v. 237; p. 445.
- Grinding-mill. J. W. Cover. No. 1,242,423; Oct. 9; v. 243; p. 344.
- Grinding-mill. B. M. Ely. No. 1,220,154; Mar. 20; v. 236; p. 859.
- Grinding-mill. W. J. Keary. No. 1,238,784; Sept. 4; v. 242; p. 19.
- Grinding-mill. E. F. McCool. No. 1,241,749; Oct. 2; v. 243; p. 90.
- Grinding-mill. J. B. Shackey. No. 1,245,625; Nov. 6; v. 244; p. 147.
- Grinding mill, Automatic wood-. P. C. Schaanning. No. 1,246,944; Nov. 20; v. 244; p. 604.

- Grinding-mill-driving mechanism. E. F. McCool. No. 1,221,760; Apr. 3; v. 237; p. 263.
- Grinding mill, Grain-. M. Muro. No. 1,218,448; Mar. 6; v. 236; p. 194.
- Grinding-mill separator. W. J. Price. No. 1,223,612; Apr. 24; v. 237; p. 1015.
- Grinding-mill separator. E. J. Steckle. No. 1,244,788; Oct. 30; v. 243; p. 1177.
- Grinding-mill, Vertical. T. Rios. No. 1,233,911; July 17; v. 240; p. 848.
- Grinding-mills, Automatic stop for. L. Dellert. No. 1,241,935; Oct. 2; v. 243; p. 149.
- Grinding or crushing mill, Cotton-seed or the like. R. R. Nolen. No. 1,224,406; May 1; v. 238; p. 105.
- Grinding or polishing machine. T. F. Philippi. No. 1,219,037; Mar. 13; v. 236; p. 439.
- Grinding or polishing precious stones, Apparatus for. H. De Vries and W. A. Donaldson. No. 1,243,491; Oct. 16; v. 243; p. 710.
- Grinding-stones, Frame for supporting. W. A. Yarwood. No. 1,215,758; Feb. 13; v. 235; p. 483.
- Grinding the rims of glass vessels, Machine for. M. Mathy. No. 1,241,236; Sept. 25; v. 242; p. 891.
- Grinding the teeth of milling-cutters by means of rotating grinding-wheels, in particular of the teeth of spiral milling-cutters, Machine for. G. Benicke. No. 1,233,543; July 17; v. 240; p. 730.
- Grinding-wheel dresser. J. E. Hoy. No. 1,249,758; Dec. 11; v. 245; p. 415.
- Grinding-wheel stand. E. P. Alexander. No. 1,227,547; May 22; v. 238; p. 1300.
- Grinding-wheels, Adjusting device for. M. Maag. No. 1,228,798; June 5; v. 239; p. 145.
- Grinding-wheels and the like, Rocker-frame for. E. P. Armstrong. No. 1,227,556; May 22; v. 238; p. 1303.
- Grinding-wheels, Machine for dressing. E. P. Sacrey. No. 1,250,359; Dec. 18; v. 245; p. 631.
- Grindstone attachment. J. E. Knouff. No. 1,224,754; May 1; v. 238; p. 227.
- Grindstone-frame. G. G. Guy. No. 1,226,969; May 22; v. 238; p. 1109.
- Grindstones, Bur for treating. E. M. Hall. No. 1,219,299; Mar. 13; v. 236; p. 527.
- Grindstones, Device for re-dressing surfaces of pulp. W. F. Aikin. No. 1,248,983; Dec. 4; v. 245; p. 161.
- Grip device, Intermittent. N. H. Anderson. No. 1,242,119; Oct. 9; v. 243; p. 247.
- Grip-handle, Removable locking. C. W. A. Schrader. No. 1,241,890; Oct. 2; v. 243; p. 135.
- Gripper-pad, Adjustable. C. Henderson. No. 1,231,606; July 3; v. 240; p. 23.
- Gripping device, Intermittent. G. A. Anderson and T. H. Maurseth. No. 1,235,633; Aug. 7; v. 241; p. 34.
- Gripping-fingers, Brick-setter with self-acting. H. B. Crum. No. 1,221,793; Apr. 3; v. 237; p. 274.
- Gripping-tool. A. J. Frankell. No. 1,221,042; Apr. 3; v. 237; p. 13.
- Grits-separator. F. E. Miller. No. 1,226,562; May 15; v. 238; p. 931.
- Groats, Flaking friable. N. Gerl-Holmen. No. 1,212,205; Jan. 16; v. 234; p. 691.
- Gromet making and setting machine. J. L. Stuart. No. 1,249,238; Dec. 4; v. 245; p. 235.
- Grooving and equalizing machine. J. V. Richardson. No. 1,243,663; Oct. 16; v. 243; p. 762.
- Grooving-knife for cutter-heads. E. S. Shimer. No. 1,247,588; Nov. 20; v. 244; p. 787.
- Ground-anchor. D. R. Saunders. No. 1,244,133; Oct. 23; v. 243; p. 940.
- Ground-anchor device. G. M. Beard. No. 1,245,176; Nov. 6; v. 244; p. 10.
- Ground-clamp. H. B. Andrews, W. H. Hart, and H. B. Sherman. No. 1,241,898; Oct. 2; v. 243; p. 138.
- Ground-mat. N. Rosenberg. No. 1,222,563; Apr. 10; v. 237; p. 580.
- Grouting-machine, Hydraulic-pressure. S. C. Hulse. No. 1,217,766; Feb. 27; v. 235; p. 1282.
- Grove-heater. D. C. Gillett. No. 1,232,276; July 3; v. 240; p. 248.
- Growing-trough. J. C. Marks. No. 1,222,648; Apr. 17; v. 237; p. 651.
- Growth-controlling substance derived from the anterior lobe of the pituitary gland and producing the same. T. B. Robertson. No. 1,218,472; Mar. 6; v. 236; p. 201.
- Grubbing machine, Root-. C. B. Burrows. No. 1,226,463; May 15; v. 238; p. 900.
- Guard. W. E. Beydler. No. 1,249,589; Dec. 11; v. 245; p. 365.
- Guard. G. W. Lathrop and H. F. Abels. No. 1,212,514; Jan. 16; v. 234; p. 802.
- Guard. R. H. McCarthy. No. 1,225,461; May 8; v. 238; p. 520.
- Guard. D. C. Weaver. No. 1,235,403; July 31; v. 240; p. 1386.
- Guard-facing. O. B. Carson. No. 1,249,718; Dec. 11; v. 245; p. 404.
- Guard, Insect-. R. A. Johnson. No. 1,248,337; Nov. 27; v. 244; p. 1034.
- Guard, Safety-. W. J. Paul. No. 1,230,921; June 26; v. 239; p. 974.
- Gudgeon-pin-locking device. F. H. Royce. No. 1,222,802; Apr. 17; v. 237; p. 704.
- Guide-bracket for detector-bars. E. W. Vogel. No. 1,229,828; June 12; v. 239; p. 539.
- Guide-post, Self-righting. M. A. Stafford. No. 1,228,615; June 5; v. 239; p. 82.
- Guitar attachment. W. J. Smith. No. 1,223,744; Apr. 24; v. 237; p. 1063.
- Guitar-bridge. A. Fickert. No. 1,230,695; June 19; v. 239; p. 862.
- Guitar, Chromatic-base. D. A. Passarelli. No. 1,226,991; May 22; v. 238; p. 1117.
- Gullet. M. Bravo. No. 1,238,878; Sept. 4; v. 242; p. 51.
- Gum and making the same. W. B. Pratt. No. 1,240,875; Sept. 25; v. 242; p. 778.
- Gum and producing the same, Artificial. W. A. Beatty. No. 1,225,750; May 15; v. 238; p. 659.
- Gum-box. R. P. Packard. No. 1,244,363; Oct. 23; v. 243; p. 1009.
- Gum, Chewing-. E. W. Snyder. No. 1,239,813; Sept. 4; v. 242; p. 190.
- Gum, Chewing-. H. M. Weber. No. 1,248,961; Dec. 4; v. 245; p. 156.
- Gum solution, Ocotillo-. J. D. Crawford and J. Hughes. No. 1,249,034; Dec. 4; v. 245; p. 176.
- Gum, Synthetic. W. A. Beatty. No. 1,225,749; May 15; v. 238; p. 659.
- Gummed-blank and unwrapped-box registering mechanism. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,229,510; June 12; v. 239; p. 431.
- Gummed sticker or label. T. H. Krueger. No. 1,210,952; Jan. 2; v. 234; p. 199.
- Gumming blanks for covering boxes and for other purposes, Machine for. M. E. Peters. No. 1,222,983; Apr. 17; v. 237; p. 765.
- Gumming cylinder, Automatically-operating closed-gap blank-. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,226,994; May 22; v. 238; p. 1118.
- Gumming cylinder, Gap and segment blank-. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,239,876; Sept. 11; v. 242; p. 379.
- Gumming cylinders, Blank-edge-exposing mechanism for blank-. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,239,818; Sept. 11; v. 242; p. 379.
- Gumming machine, Pneumatically-controlled blank-. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,239,875; Sept. 11; v. 242; p. 378.
- Gumming machines, Blank and label feeding roller for blank-. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,223,517; Apr. 24; v. 237; p. 982.
- Gumming-machines, Blank-feeder for. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,239,817; Sept. 11; v. 242; p. 379.
- Gumming machines, Coöperating blank feeding and gumming mechanism for blank-. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,223,516; Apr. 24; v. 237; p. 982.
- Gun. N. W. Aasen. No. 1,218,349; Mar. 6; v. 236; p. 161.
- Gun. L. M. Bowman. No. 1,241,333; Sept. 25; v. 242; p. 923.
- Gun. C. F. Lefever. No. 1,240,988; Sept. 25; v. 242; p. 813.
- Gun. C. F. Lefever. No. 1,240,991; Sept. 25; v. 242; p. 814.
- Gun. G. N. Ostrander. No. 1,242,719; Oct. 9; v. 243; p. 438.
- Gun. W. D. Polite. No. 1,218,458; Mar. 6; v. 236; p. 197.
- Gun. O. F. Richter. No. 1,244,896; Oct. 30; v. 243; p. 1210.
- Gun. J. B. Semple. No. 1,218,706; Mar. 13; v. 236; p. 321.
- Gun, Air-. W. B. Greenleaf and E. S. Roe. No. 1,250,304; Dec. 18; v. 245; p. 614.
- Gun, Air-. C. F. Lefever. No. 1,240,989; Sept. 25; v. 242; p. 813.
- Gun, Air-. H. L. Welch. No. 1,214,398; Jan. 30; v. 234; p. 1519.
- Gun, Air-. A. Wissler. No. 1,233,944; July 17; v. 240; p. 860.
- Gun and shell-firing device therefor, Pneumatic. V. C. Doubleday. No. 1,245,093; Oct. 30; v. 243; p. 1269.
- Gun and the like, Trench-. A. D. Bellairs. No. 1,237,157; Aug. 14; v. 241; p. 555.
- Gun, Animal-. C. C. and L. E. Gleason. No. 1,233,268; July 10; v. 240; p. 602.
- Gun attachment. H. M. Masterton. No. 1,239,287; Sept. 4; v. 242; p. 182.
- Gun, Automatic. H. H. C. Dunwoody. No. 1,227,897; May 29; v. 238; p. 1449.
- Gun-barrel calibrating and straightening machine. C. W. Sponsel. No. 1,239,532; Sept. 11; v. 242; p. 287.
- Gun-barrel-calibrating machine. C. W. Sponsel. No. 1,239,534; Sept. 11; v. 242; p. 288.
- Gun-barrel-drilling machine. J. E. Peterson. No. 1,211,621; Jan. 9; v. 234; p. 459.
- Gun-barrel, Means of assembling the elements of a sectional. E. Schneider. No. 1,234,575; July 24; v. 240; p. 1099.
- Gun-barrel-polishing machine. C. H. Hemming. No. 1,237,037; Aug. 14; v. 241; p. 520.
- Gun-barrel rifling and planing tool. W. C. Andrews and H. A. Auer. No. 1,239,660; Sept. 11; v. 242; p. 328.
- Gun-barrel-rifling machine. E. H. Elder. No. 1,211,119; Jan. 2; v. 234; p. 254.

Alphabetical list of inventions—Continued.

- Gun-barrel-straightening machine. O. E. Jessup. No. 1,240,576; Sept. 18; v. 242; p. 651.
- Gun-barrel-straightening machine. C. W. Sponsel. No. 1,239,533; Sept. 11; v. 242; p. 288.
- Gun-barrels, Method of and apparatus for cooling. A. M. Brotherston. No. 1,216,939; Feb. 20; v. 235; p. 950.
- Gun belt, Machine. F. R. Batchelder. No. 1,243,686; Oct. 23; v. 243; p. 801.
- Gun breech-blocks and making same, Gas-check pad for. E. Schneider. No. 1,229,662; June 12; v. 239; p. 484.
- Gun-breech mechanism, Semi-automatically-operated. E. Rimailho. No. 1,232,090; July 3; v. 240; p. 188.
- Gun, Built-up. A. H. Emery. No. 1,244,719; Oct. 30; v. 243; p. 1157.
- Gun-butts, Recoil-pad for. E. Ringsmith. No. 1,213,951; Jan. 30; v. 234; p. 1364.
- Gun-carriage. A. Anderson. No. 1,239,860; Sept. 11; v. 242; p. 393.
- Gun-carriage. J. Frateschi. No. 1,211,130; Jan. 2; v. 234; p. 257.
- Gun-carriage for ordnance. E. Rimailho. No. 1,225,492; May 8; v. 238; p. 529.
- Gun-carriage of a wide firing-angle. E. A. L. Bourdelles. No. 1,223,931; Apr. 24; v. 237; p. 1127.
- Gun-carriage shield and embrasure of casemates. P. Perrone. No. 1,213,247; Jan. 23; v. 234; p. 1092.
- Gun, Centrifugal. A. E. Brown. No. 1,240,815; Sept. 25; v. 242; p. 759.
- Gun, Centrifugal. J. F. Howie. No. 1,235,897; Aug. 7; v. 241; p. 120.
- Gun, Centrifugal. E. E. Porter. No. 1,223,069; Apr. 17; v. 237; p. 795.
- Gun-cleaner. J. B. Proctor. No. 1,222,028; Apr. 10; v. 237; p. 390.
- Gun-cleaner attachment. J. F. Kitchen. No. 1,237,056; Aug. 14; v. 241; p. 526.
- Gun, Electrical. L. M. Bowman and W. A. Smith. No. 1,239,344; Sept. 4; v. 242; p. 199.
- Gun feed-belt, Machine. F. H. Frissell. No. 1,247,810; Nov. 27; v. 244; p. 887.
- Gun feed-belt, Machine. F. H. Frissell. No. 1,247,811; Nov. 27; v. 244; p. 888.
- Gun firing mechanism. S. Orkin. No. 1,248,536; Dec. 4; v. 245; p. 31.
- Gun firing mechanism. S. Orkin. No. 1,248,537; Dec. 4; v. 245; p. 31.
- Gun, Grease. H. E. Emigh. No. 1,241,725; Oct. 2; v. 243; p. 83.
- Gun, Grease. H. H. Pretzel. No. 1,222,667; Apr. 17; v. 237; p. 658.
- Gun-lock. F. C. Lefler. No. 1,219,964; Mar. 20; v. 236; p. 789.
- Gun, Machine. A. M. Brotherston. No. 1,216,938; Feb. 20; v. 235; p. 949.
- Gun, Machine. V. Stoddard. No. 1,242,068; Oct. 2; v. 243; p. 190.
- Gun-magazine. J. F. Heckmann. No. 1,230,707; June 19; v. 239; p. 866.
- Gun-mount, Motor-cycle. S. T. Kellogg. No. 1,234,172; July 24; v. 240; p. 968.
- Gun-mountings and other mechanism, Control system for. A. T. Dawson and J. Horne. No. 1,211,418; Jan. 9; v. 234; p. 391.
- Gun-muzzles, Shot-spreading device for. J. E. Wright. No. 1,227,987; May 29; v. 238; p. 1481.
- Gun-pointing, Automatic. B. A. Fiske and E. A. Sperry. No. 1,238,503; Aug. 28; v. 241; p. 1060.
- Gun, Pop. C. F. Lefever. No. 1,240,990; Sept. 25; v. 242; p. 814.
- Gun, Pop. C. F. Lefever. No. 1,248,507; Dec. 4; v. 245; p. 22.
- Gun, Rapid-fire. M. C. Barry. No. 1,233,165; July 10; v. 240; p. 571.
- Gun-sight. C. A. Arthur. No. 1,248,594; Dec. 4; v. 245; p. 50.
- Gun-sight. C. Beaver. No. 1,238,379; Aug. 28; v. 241; p. 1020.
- Gun-sight. E. P. Cook. No. 1,250,972; Dec. 25; v. 245; p. 863.
- Gun-sight. T. C. Dyer. No. 1,226,652; May 22; v. 238; p. 1102.
- Gun-sight. C. W. Irion. No. 1,237,908; Aug. 21; v. 241; p. 833.
- Gun-sight. T. E. King. No. 1,238,687; Aug. 28; v. 241; p. 1116.
- Gun-sight. B. Lobdell. No. 1,227,544; May 22; v. 238; p. 1299.
- Gun-sights, Close-range attachment for. J. W. Beeler. No. 1,225,918; May 15; v. 238; p. 715.
- Gun sighting and leveling apparatus. M. M. Lahue. No. 1,227,633; May 29; v. 238; p. 1358.
- Gun-silencer and recoil-reducer. E. W. Thompson. No. 1,229,675; June 12; v. 239; p. 488.
- Gun-sling. J. P. Hooper. No. 1,210,475; Jan. 2; v. 234; p. 33.
- Gun, Sling-shot. J. R. Thomas. No. 1,235,398; July 31; v. 240; p. 1384.
- Gun, Spring. C. F. Lefever. No. 1,240,987; Sept. 25; v. 242; p. 813.
- Gun, Spring. J. H. MacLean. No. 1,237,928; Aug. 21; v. 241; p. 839.
- Gun, Spring. R. A. Peacock. No. 1,229,129; June 5; v. 239; p. 254.
- Gun-stock. J. R. Snedecor and W. L. Mantha. No. 1,248,029; Nov. 27; v. 244; p. 947.
- Gun-support. L. A. Baerman. No. 1,233,638; July 17; v. 240; p. 763.
- Guns, Apparatus for determining sighting data for naval. A. H. Pollen and H. Isherwood. No. 1,232,968; July 10; v. 240; p. 507.
- Guns, Apparatus for feeding cartridges to machine. L. L. Driggs. No. 1,224,366; May 1; v. 238; p. 90.
- Guns, Combined gas-lever case and stand or mounting for Colt-type automatic. H. R. Northover. No. 1,237,083; Aug. 14; v. 241; p. 533.
- Guns, Device for adjusting the recoil length in fluid recoil-brakes for. W. Heilemann, O. Behnke, and N. Koch. No. 1,227,134; May 22; v. 238; p. 1166.
- Guns, Flash-absorber attachment for machine. H. R. Northover. No. 1,242,843; Oct. 9; v. 243; p. 478.
- Guns, Gas-cylinder for machine. H. R. Northover. No. 1,234,071; July 17; v. 240; p. 898.
- Guns, Gun-shield for portable. W. H. Seabrook, Jr. No. 1,247,457; Nov. 20; v. 244; p. 750.
- Guns, Magazine and barrel for air. C. F. Lefever. No. 1,220,649; Mar. 27; v. 236; p. 1067.
- Guns, Metal box or container for feed-belts of machine. H. R. Northover. No. 1,234,072; July 17; v. 240; p. 899.
- Guns, Recoil-reducing means for. H. Lehmann and F. Hohnberg. No. 1,227,161; May 22; v. 238; p. 1175.
- Guns, Sighting of. W. Youlten. No. 1,226,936; May 22; v. 238; p. 1095.
- Guns, Split safety-post and indicator for double-barrel. G. H. Giddings. No. 1,222,755; Apr. 17; v. 237; p. 687.
- Guns, Wire-cutter attachment for. R. B. Endecott. No. 1,244,968; Oct. 30; v. 243; p. 1231.
- Guns, Wire-cutter for. H. E. Lodi. No. 1,220,355; Mar. 27; v. 236; p. 966.
- Guns with recoiling barrels, Running out telescopic springs of. K. Völler. No. 1,215,438; Feb. 13; v. 235; p. 367.
- Guncotton and similar products, Washing device for. H. Jakob. No. 1,211,450; Jan. 9; v. 234; p. 402.
- Gut-clamp, Sanitary. E. S. Fontaine. No. 1,236,282; Aug. 7; v. 241; p. 242.
- Gutter for stables. W. Armstrong. No. 1,221,817; Apr. 10; v. 237; p. 316.
- Gutter, Greenhouse. C. Ickes. No. 1,244,500; Oct. 30; v. 243; p. 1089.
- Guy-anchor. L. Lusardi. No. 1,225,448; May 8; v. 238; p. 516.
- Guy-clamp. H. W. Pleister. No. 1,230,215; June 19; v. 239; p. 702.
- Guy-line tightener. N. McDonald. No. 1,229,302; June 12; v. 239; p. 362.
- Gyro-compass. J. B. Henderson. No. 1,226,882; May 22; v. 238; p. 1078.
- Gyroscope-stabilizer. C. L. Norden. No. 1,236,204; Aug. 7; v. 241; p. 218.
- Gyroscope apparatus, Bearing for. G. A. Rossiter and E. A. Thorne. No. 1,213,692; Jan. 23; v. 234; p. 1246.
- Gyroscope stabilizer. E. A. Sperry and H. L. Tanner. No. 1,236,993; Aug. 14; v. 241; p. 505.
- Hacksaw. A. G. Frost. No. 1,227,902; May 29; v. 238; p. 1451.
- Hacksaw. J. B. Howell. No. 1,245,345; Nov. 6; v. 244; p. 61.
- Hacksaw-frame. C. H. Williams. No. 1,245,545; Nov. 6; v. 244; p. 122.
- Hacksaw-machine. J. Dudley. No. 1,216,669; Feb. 20; v. 235; p. 859.
- Hacksaw-machine. L. S. Starrett. No. 1,245,815; Nov. 6; v. 244; p. 204.
- Hacksaw-machine, Power. A. Rasmussen. No. 1,211,964; Jan. 9; v. 234; p. 583.
- Hæmocytometer. M. Levy. No. 1,214,331; Jan. 30; v. 234; p. 1497.
- Hair and producing fertilizer, Cleaning animal. H. Y. McBride. No. 1,218,573; Mar. 6; v. 236; p. 236.
- Hair and refuse remover for dehairing-machines. R. E. Jordan. No. 1,221,185; Apr. 3; v. 237; p. 65.
- Hair-bobbing device. F. A. C. Meyers. No. 1,224,403; May 1; v. 238; p. 104.
- Hair-cleaner. J. S. Hendricks. No. 1,225,244; May 8; v. 238; p. 443.
- Hair-clipper. H. H. Flick. No. 1,246,734; Nov. 13; v. 244; p. 506.
- Hair-clipper. M. Tanaka. No. 1,227,216; May 22; v. 238; p. 1192.
- Hair-clipper. L. E. Vass. No. 1,245,833; Nov. 6; v. 244; p. 210.
- Hair-clipper and hair-brush, Combined. M. Tanaka. No. 1,244,917; Oct. 30; v. 243; p. 1216.
- Hair-clipper, Barber's. V. D'orio. No. 1,233,202; July 10; v. 240; p. 583.
- Hair-clippers, Adjustable comb-holder for. J. T. Pitts. No. 1,223,200; Apr. 17; v. 237; p. 841.
- Hair-crimping device. C. A. Sherwood. No. 1,234,942; July 31; v. 240; p. 1247.
- Hair-curler. J. W. Champion and O. Berge. No. 1,233,185; July 10; v. 240; p. 577.

- Hair-curler. M. J. Peppard. No. 1,217,816; Feb. 27; v. 235; p. 1299.
- Hair-curler. G. D. Richards. No. 1,236,871; Aug. 14; v. 241; p. 465.
- Hair-curler. M. B. Stevenson. No. 1,240,508; Sept. 18; v. 242; p. 632.
- Hair-curling apparatus. R. Bové. No. 1,236,818; Aug. 14; v. 241; p. 450.
- Hair-cut bib. S. De Vingo. No. 1,216,088; Feb. 13; v. 235; p. 603.
- Hair-cutting instrument. E. G. Harris. No. 1,224,462; May 1; v. 238; p. 125.
- Hair-cutting machine. G. P. Bourdelat. No. 1,238,061; Aug. 21; v. 241; p. 882.
- Hair. Device to facilitate the parting of. J. Maxwell, Sr. No. 1,218,440; Mar. 6; v. 236; p. 191.
- Hair-dressing frame. C. Klepper. No. 1,237,792; Aug. 21; v. 241; p. 797.
- Hair-drier. H. P. Roberts. No. 1,236,105; Aug. 7; v. 241; p. 185.
- Hair drying and straightening comb. H. and H. Jacobs. No. 1,217,454; Feb. 27; v. 235; p. 1173.
- Hair-drying comb. U. Kornstein. No. 1,248,674; Dec. 4; v. 245; p. 73.
- Hair-dyeing device. J. Peper. No. 1,236,757; Aug. 14; v. 241; p. 430.
- Hair-fastener. R. Gould. No. 1,241,960; Oct. 2; v. 243; p. 156.
- Hair, Machine for interlacing curled. C. A. Carlson and H. E. Hill. No. 1,211,821; Jan. 9; v. 234; p. 529.
- Hair, Machine for interlacing curled. F. Maussner. No. 1,220,663; Mar. 27; v. 236; p. 1072.
- Hair, Machine for interlacing curled. F. Maussner. No. 1,225,671; May 8; v. 238; p. 589.
- Hair-measurer. E. C. Peckham. No. 1,239,951; Sept. 11; v. 242; p. 422.
- Hair ornament. A. Burke. No. 1,248,450; Dec. 4; v. 245; p. 7.
- Hair-pin. M. D. Avillar. No. 1,245,173; Nov. 6; v. 244; p. 9.
- Hair-pin. C. S. Bock. No. 1,219,070; Mar. 13; v. 236; p. 449.
- Hair-pin. S. E. Creech and P. Bland. No. 1,233,195; July 10; v. 240; p. 580.
- Hair-pin. W. T. Edwards. No. 1,216,970; Feb. 20; v. 235; p. 960.
- Hair-pin. T. A. Gyllsdorff. No. 1,226,508; May 15; v. 238; p. 914.
- Hair-pin. W. J. Landin. No. 1,247,414; Nov. 20; v. 244; p. 738.
- Hair-pin-bunching machine. I. H. Peck. No. 1,246,648; Nov. 13; v. 244; p. 481.
- Hair-pin, Lock. H. O. Winter. No. 1,228,629; June 5; v. 239; p. 86.
- Hair-singeing device. E. Vocchino. No. 1,225,402; May 8; v. 238; p. 500.
- Hair-supporting device, Ladies'. N. L. Burton. No. 1,240,307; Sept. 18; v. 242; p. 569.
- Hair-trimmer. W. H. Burns. No. 1,224,444; May 1; v. 238; p. 120.
- Hair-trimmer. N. G. Gore. No. 1,236,926; Aug. 14; v. 241; p. 483.
- Hair-waver. C. M. Garrity. No. 1,221,437; Apr. 3; v. 237; p. 154.
- Hair-waver. M. A. C. Henderson. No. 1,221,447; Apr. 3; v. 237; p. 157.
- Hair waver or curler. F. Müller. No. 1,241,240; Sept. 25; v. 242; p. 892.
- Hair waving and curling device. H. and H. Jacobs. No. 1,233,060; July 10; v. 240; p. 536.
- Hair waving and drying apparatus. H. and H. Jacobs. No. 1,245,157; Nov. 6; v. 244; p. 5.
- Hair-wringing machine. W. H. Rueping. No. 1,250,666; Dec. 18; v. 245; p. 722.
- Hairs from cavities, Cutter for removing. B. and S. Tewelow. No. 1,229,824; June 12; v. 239; p. 538.
- Hall-rack. F. J. Hannold. No. 1,216,444; Feb. 20; v. 235; p. 781.
- Hall-stand. J. E. Wedburg. No. 1,244,565; Oct. 30; v. 243; p. 1110.
- Halter. E. M. Higgins. No. 1,232,308; July 3; v. 240; p. 258.
- Halter. A. F. Hoffman. No. 1,227,440; May 22; v. 238; p. 1263.
- Halter and bridle, Combined. A. Drew. No. 1,216,966; Feb. 20; v. 235; p. 959.
- Halter, Breaking. H. J. Trenham. No. 1,250,246; Dec. 18; v. 245; p. 597.
- Halter-lead. J. W. Hall. No. 1,239,591; Sept. 11; v. 242; p. 306.
- Hame, Adjustable steel. J. A. Scott. No. 1,235,931; Aug. 7; v. 241; p. 132.
- Hame and trace connector. C. A. Mikkin. No. 1,233,493; July 17; v. 240; p. 713.
- Hame and tug connection. A. A. Tangman. No. 1,211,122; Jan. 2; v. 234; p. 255.
- Hame-hook. I. D. Conn. No. 1,217,916; Mar. 6; v. 236; p. 11.
- Hame-book. M. F. Imhoff. No. 1,237,785; Aug. 21; v. 241; p. 795.
- Hammer. G. L. Kollock and R. P. Martin. No. 1,224,471; May 1; v. 238; p. 129.
- Hammer. J. E. Pendergast. No. 1,215,980; Feb. 13; v. 235; p. 563.
- Hammer, Board drop-. H. Terhune. No. 1,246,182; Nov. 13; v. 244; p. 340.
- Hammer, Chime-striking. W. J. Herschede and C. Cohan. No. 1,250,172; Dec. 18; v. 245; p. 575.
- Hammer, Dressing-. C. Kern. No. 1,212,502; Jan. 16; v. 234; p. 798.
- Hammer-drill. G. H. Gilman. No. 1,242,882; Oct. 9; v. 243; p. 490.
- Hammer-drill. D. Spehar. No. 1,244,386; Oct. 23; v. 243; p. 1016.
- Hammer-drills, Spike-holder for. T. E. Sturtevant. No. 1,213,970; Jan. 30; v. 234; p. 1370.
- Hammer-drills, Steel-retainer for. R. H. Wilhelm. No. 1,217,378; Feb. 27; v. 235; p. 1145.
- Hammer-drills, Tool-retainer for. L. C. Bayles. No. 1,240,649; Sept. 18; v. 242; p. 674.
- Hammer, Drop-. L. G. Bayrer. No. 1,225,695; May 8; v. 238; p. 597.
- Hammer, Drop-. H. Terhune. No. 1,246,183; Nov. 13; v. 244; p. 341.
- Hammer, Drop-. H. Terhune. No. 1,246,184; Nov. 13; v. 244; p. 341.
- Hammer, Electric. A. Wendelburg. No. 1,250,401; Dec. 18; v. 245; p. 643.
- Hammer, Fluid-pressure. C. H. Haeseler. No. 1,220,100; Mar. 20; v. 236; p. 837.
- Hammer for overhead nailing. S. Speed. No. 1,225,070; May 8; v. 238; p. 385.
- Hammer, Friction-driven drop-. J. L. and E. Scott. No. 1,242,052; Oct. 2; v. 243; p. 185.
- Hammer, Gas-. S. R. Saunders and A. A. Schmitz. No. 1,237,827; Aug. 21; v. 241; p. 808.
- Hammer, Magazine-. J. B. Crofoot. No. 1,224,076; Apr. 24; v. 237; p. 1175.
- Hammer, Means for operating the rolls of a board drop-. H. Terhune. No. 1,246,185; Nov. 13; v. 244; p. 341.
- Hammer mechanism, Power-. S. V. Rawlings. No. 1,216,608; Feb. 20; v. 235; p. 839.
- Hammer mechanism, Power-. S. V. Rawlings. No. 1,226,006; May 15; v. 238; p. 745.
- Hammer, Multiple-plunger impact-. H. D. Penney. No. 1,222,663; Apr. 17; v. 237; p. 656.
- Hammer, Pile-. T. E. Sturtevant. No. 1,226,272; May 15; v. 238; p. 840.
- Hammer, Pneumatic. A. J. McQuaide. No. 1,232,585; July 10; v. 240; p. 381.
- Hammer, Pneumatic. F. J. Schroeder. No. 1,230,802; June 19; v. 239; p. 896.
- Hammer, Power-. G. F. Crosiar. No. 1,221,421; Apr. 3; v. 237; p. 147.
- Hammer, Power-operated. W. S. Payne. No. 1,228,962; June 5; v. 239; p. 198.
- Hammer-ram coupling, Power-. L. Mayer. No. 1,225,046; May 8; v. 238; p. 378.
- Hammer, Rotary. N. P. Ridgway. No. 1,216,166; Feb. 13; v. 235; p. 631.
- Hammer, Sledge-. J. F. Rudd. No. 1,210,539; Jan. 2; v. 234; p. 56.
- Hammer, Stoving-. H. E. Rarick. No. 1,224,018; Apr. 24; v. 237; p. 1156.
- Hammer switch, Electric-. A. Wendelburg. No. 1,250,402; Dec. 18; v. 245; p. 643.
- Hammers, Mallet attachment for. J. A. Marcotte. No. 1,221,344; Apr. 3; v. 237; p. 120.
- Hammers, Nail-holding attachment for. J. Hritz, Jr., and S. Sivick. No. 1,247,683; Nov. 27; v. 244; p. 848.
- Hammers, Rivet-set holder for riveting-. A. C. Davis. No. 1,211,417; Jan. 9; v. 234; p. 391.
- Hammers, Stay-bolt-heading attachment for pneumatic. W. H. Diffendall. No. 1,211,554; Jan. 9; v. 234; p. 438.
- Hammock. W. B. Foster. No. 1,248,838; Dec. 4; v. 245; p. 122.
- Hammock. H. Mintz. No. 1,231,047; June 26; v. 239; p. 1020.
- Hammock. F. A. Porter and H. B. Arnold. No. 1,224,859; May 1; v. 238; p. 262.
- Hammock and swing, Combined baby. B. P. Bailey. No. 1,225,208; May 8; v. 238; p. 431.
- Hammock back-rest. H. B. Arnold. No. 1,231,532; June 26; v. 239; p. 1179.
- Hammock, Couch-. I. E. Palmer. No. 1,238,697; Aug. 28; v. 241; p. 1119.
- Hammock, Folding. G. F. Sisbower and L. E. Pittoni. No. 1,240,499; Sept. 18; v. 242; p. 629.
- Hammock, packing-bag, and bath-tub, Convertible sleeping-. E. I. Ford. No. 1,237,628; Aug. 21; v. 241; p. 745.
- Hammock-stand, Foldable. G. F. Sisbower and L. E. Pittoni. No. 1,229,537; June 12; v. 239; p. 442.
- Hammock-stand, Folding. G. F. Sisbower and L. E. Pittoni. No. 1,217,519; Feb. 27; v. 235; p. 1197.
- Hammock-support. S. A. Laing. No. 1,217,963; Mar. 6; v. 236; p. 26.
- Hammock-support, Folding. H. Mintz. No. 1,223,717; Apr. 24; v. 237; p. 1052.
- Hammocks and other structures, Fastener for couch-. I. E. Palmer. No. 1,234,207; July 24; v. 240; p. 979.

Alphabetical list of inventions—Continued.

- Hamper, Fruit. F. F. Behrens. No. 1,217,137; Feb. 27; v. 235; p. 1063.
- Hand and arm, Artificial. L. G. Caron. No. 1,247,077; Nov. 20; v. 244; p. 642.
- Hand, Artificial. J. Fekete. No. 1,229,053; June 5; v. 239; p. 227.
- Hand-bag. A. Kulick. No. 1,240,060; Sept. 11; v. 242; p. 452.
- Hand-bag. M. Nover. No. 1,235,049; July 31; v. 240; p. 1281.
- Hand-bag. L. Wolf. No. 1,223,920; Apr. 24; v. 237; p. 1123.
- Hand-bag and like article. L. Lowenstein and S. Robbins. No. 1,220,761; Mar. 27; v. 236; p. 1104.
- Hand-bag and similar article. T. R. Weidemann. No. 1,239,327; Sept. 4; v. 242; p. 194.
- Hand-bag, Automatically-locking. J. L. C. and J. E. Noël. No. 1,223,855; Apr. 24; v. 237; p. 1101.
- Hand-bag or container for bathing-suits. W. W. Mills. No. 1,251,404; Dec. 25; v. 245; p. 990.
- Hand-brace and wrist-support. H. W. Tucker. No. 1,227,700; May 29; v. 238; p. 1381.
- Hand-brake. J. E. O'Connor. No. 1,224,093; Apr. 24; v. 237; p. 1181.
- Hand-covering, Interchangeable. A. McMartin. No. 1,224,108; Apr. 24; v. 237; p. 1186.
- Hand gripping device. W. Foreman. No. 1,243,725; Oct. 23; v. 243; p. 816.
- Hand-operated shovel. K. Stimecz. No. 1,229,667; June 12; v. 239; p. 485.
- Hand-protector. D. S. Curtiss. No. 1,225,588; May 8; v. 238; p. 662.
- Hand-protector. M. Johnson. No. 1,215,163; Feb. 6; v. 235; p. 237.
- Hand-rest, Touch-system. W. J. Anderson. No. 1,247,065; Nov. 20; v. 244; p. 638.
- Hand-strap. C. C. Chappelle. No. 1,229,230; June 12; v. 239; p. 337.
- Hand-wheel, Non-heating valve. D. R. Yarnall. No. 1,218,032; Mar. 6; v. 236; p. 50.
- Handcuff. G. W. Pratt. No. 1,216,491; Feb. 20; v. 235; p. 797.
- Handhold-rabbeting machine. J. Lathim. No. 1,229,763; June 12; v. 239; p. 517.
- Handhole structure. A. Winton. No. 1,245,298; Nov. 6; v. 244; p. 47.
- Handle: See—
- Box-handle. Grip-handle.
 - Brake-handle. Jar-handle.
 - Bread-tin handle. Knife-handle.
 - Brush-handle. Latch-handle.
 - Bucket-handle. Package-handle.
 - Burner-shaft handle. Pocket-book handle.
 - Calculator-handle. Razor-handle.
 - Can-handle. Sack-handle.
 - Car-seat grip-handle. Sad-iron handle.
 - Casket-handle. Safety pick-handle.
 - Coffee-pot handle. Saw-handle.
 - Cooking-utensil handle. Tool-handle.
 - D-handle. Truck-handle.
 - Detachable handle. Universal control-handle.
 - Door-handle. Utensil-handle.
 - Electrode grip-handle. Valve-handle.
 - File-handle. Wire handle.
- Handle. A. L. Adams. No. 1,213,136; Jan. 23; v. 234; p. 1053.
- Handle. A. L. Adams. No. 1,221,403; Apr. 3; v. 237; p. 141.
- Handle. C. L. Dillinger. No. 1,217,287; Feb. 27; v. 235; p. 1113.
- Handle. C. B. Forbes. No. 1,230,472; June 19; v. 239; p. 788.
- Handle. A. Giardino. No. 1,246,587; Nov. 13; v. 244; p. 464.
- Handle. G. L. Harrison. No. 1,216,309; Feb. 20; v. 235; p. 733.
- Handle. F. H. Hopkins. No. 1,239,184; Sept. 4; v. 242; p. 148.
- Handle. A. Manhard. No. 1,213,227; Jan. 23; v. 234; p. 1085.
- Handle. A. Sorensen. No. 1,249,536; Dec. 11; v. 245; p. 351.
- Handle-attaching device. J. R. Vander Putten. No. 1,239,645; Sept. 11; v. 242; p. 323.
- Handle-bar bracket and escutcheon. J. A. Raymond. No. 1,232,084; July 3; v. 240; p. 186.
- Handle-bar stem. F. L. Watters. No. 1,232,871; July 10; v. 240; p. 476.
- Handle for cutting-tools, die-stocks, &c. M. Cramer. No. 1,215,119; Feb. 6; v. 235; p. 222.
- Handle for shears, pliers, and like implements. F. C. Scott. No. 1,227,678; May 29; v. 238; p. 1374.
- Handle for utensils which are subjected to heat. D. I. Garrettson. No. 1,235,309; July 31; v. 240; p. 1358.
- Handle-lock. F. E. Case. No. 1,237,242; Aug. 14; v. 241; p. 583.
- Handle or gripping surface. A. E. Flaxman. No. 1,212,038; Jan. 9; v. 234; p. 605.
- Handles to tools, Fastening wood. E. J. Renkenberger. No. 1,228,600; June 5; v. 239; p. 77.
- Handling material, Apparatus for. A. C. Brown and W. K. Monroe. No. 1,236,047; Aug. 7; v. 241; p. 169.
- Handsaw. L. Desrochers. No. 1,231,338; June 26; v. 239; p. 1116.
- Hanger: See—
- Bed-spring hanger. Picture-hanger.
 - Bicycle-crank hanger. Picture and mirror hanger.
 - Book-hanger. Pipe-hanger.
 - Bracket-hanger. Platform-hanger.
 - Brake-beam hanger. Portière-hanger.
 - Cable-hanger. Pump-hanger.
 - Car-door hanger. Sash-hanger.
 - Cloth-hanger. Screen-hanger.
 - Clothes-hanger. Shade-hanger.
 - Clothes-line hanger. Shade and curtain hanger.
 - Coat-hanger. Shade-roller hanger.
 - Coat and skirt hanger. Shaft-hanger.
 - Conduit-hanger. Silo-door hanger.
 - Container-hanger. Skirt-hanger.
 - Curtain-hanger. Spring-hanger.
 - Curtain and shade hanger. Sucker-rod hanger.
 - Door-hanger. Suit-hanger.
 - Garment-hanger. Swing-hanger.
 - Gate-hanger. Syringe and tube hanger.
 - Golf-ball hanger. Track-hanger.
 - Harness-hanger. Transmission-case hanger.
 - Hat-hanger. Trolley-hanger.
 - Hat and coat hanger. Trolley-wire hanger.
 - Lamp-hanger. Trousers-hanger.
 - Lighting-bowl hanger. Wire hanger.
- Hanger. L. F. Bowers. No. 1,229,575; June 12; v. 239; p. 455.
- Hanger. F. F. Bradley. No. 1,226,856; May 22; v. 238; p. 1069.
- Hanger. A. K. Bye. No. 1,232,214; July 3; v. 240; p. 227.
- Hanger. R. R. Powell. No. 1,236,867; Aug. 14; v. 241; p. 464.
- Hanger. B. I. Rike. No. 1,220,459; Mar. 27; v. 236; p. 1003.
- Hanger. A. L. Sloan. No. 1,230,436; June 19; v. 239; p. 775.
- Hanger. R. J. Steele. No. 1,230,440; June 19; v. 239; p. 776.
- Hanger. E. P. Stevens. No. 1,230,441; June 19; v. 239; p. 776.
- Hanger-box. P. B. Liebermann. No. 1,249,431; Dec. 11; v. 245; p. 320.
- Hanger or wall-hook. M. D. Malcomson and C. A. Ketchen, Jr. No. 1,248,363; Nov. 27; v. 244; p. 1041.
- Hanger or wall-pin. A. C. Recker. No. 1,235,159; July 31; v. 240; p. 1312.
- Hanging seat, Foldable. G. C. Johnston. No. 1,217,950; Mar. 6; v. 236; p. 22.
- Hardening articles, Machine for. W. J. Perry. No. 1,214,949; Feb. 6; v. 235; p. 164.
- Hardware, Pillar. E. G. Simpson. No. 1,246,482; Nov. 13; v. 244; p. 432.
- Harmoniums, organs, and the like instruments, Action for. E. R. Wisker. No. 1,232,744; July 10; v. 240; p. 435.
- Harness attachment. J. F. Britt. No. 1,240,304; Sept. 18; v. 242; p. 568.
- Harness attachment. F. E. Griffeth. No. 1,212,765; Jan. 16; v. 234; p. 893.
- Harness back-strap. J. H. Venter. No. 1,225,083; May 8; v. 238; p. 390.
- Harness-hanger. A. M. Bean. No. 1,242,125; Oct. 9; v. 243; p. 249.
- Harness-hanger. J. F. and A. L. Bladholm. No. 1,239,666; Sept. 11; v. 242; p. 330.
- Harness-hanger. C. G. Schmidt. No. 1,219,045; Mar. 13; v. 236; p. 441.
- Harness-hook. E. B. Knapp. No. 1,211,320; Jan. 2; v. 234; p. 321.
- Harness-hook and line-tightener, Combined. C. Selvert. No. 1,222,684; Apr. 17; v. 237; p. 664.
- Harness-line holder. A. Lindstrom. No. 1,244,350; Oct. 23; v. 243; p. 1006.
- Harness, Minnow-. J. W. Conway. No. 1,247,935; Nov. 27; v. 244; p. 922.
- Harness-rack. W. H. Weddle. No. 1,229,359; June 12; v. 239; p. 381.
- Harness-ring. L. Frazier. No. 1,221,525; Apr. 3; v. 237; p. 184.
- Harness-trace. O. J. and E. E. Peickert. No. 1,217,055; Feb. 20; v. 235; p. 989.
- Harness tug connection. C. W. Reinhart. No. 1,213,907; Jan. 30; v. 234; p. 1350.
- Harp. A. B. Smith. No. 1,239,050; Sept. 4; v. 242; p. 106.
- Harrow. C. J. Anderson. No. 1,225,204; May 8; v. 238; p. 430.
- Harrow. J. A. Backlund. No. 1,213,998; Jan. 30; v. 234; p. 1380.
- Harrow. C. F. Bock. No. 1,244,165; Oct. 23; v. 243; p. 950.
- Harrow. A. Borret. No. 1,218,833; Mar. 13; v. 236; p. 368.
- Harrow. A. J. Cummer, C. F. and M. G. Matz. No. 1,218,930; Mar. 13; v. 236; p. 403.
- Harrow. H. G. Hanson. No. 1,210,795; Jan. 2; v. 234; p. 143.
- Harrow. W. H. Lee. No. 1,244,993; Oct. 30; v. 243; p. 1239.

- Harrow. T. G. Mattson. No. 1,230,194; June 19; v. 239; p. 695.
- Harrow. J. P. McIntyre. No. 1,231,398; June 26; v. 239; p. 1136.
- Harrow. J. A. Mierzwik. No. 1,249,450; Dec. 11; v. 245; p. 326.
- Harrow. A. A. and W. Nelson. No. 1,243,203; Oct. 16; v. 243; p. 625.
- Harrow. J. Olson. No. 1,232,380; July 3; v. 240; p. 280.
- Harrow. C. Orgaard. No. 1,245,261; Nov. 6; v. 244; p. 36.
- Harrow. M. J. Richard. No. 1,237,556; Aug. 21; v. 241; p. 722.
- Harrow. G. H. Schrum. No. 1,241,033; Sept. 25; v. 242; p. 827.
- Harrow. C. S. Sharp. No. 1,214,961; Feb. 6; v. 235; p. 167.
- Harrow. K. E. Soininen. No. 1,233,139; July 10; v. 240; p. 562.
- Harrow. F. R. Tengler. No. 1,218,338; Mar. 6; v. 236; p. 157.
- Harrow. J. P. Treadwell. No. 1,220,475; Mar. 27; v. 236; p. 1008.
- Harrow. F. C. Warne. No. 1,247,043; Nov. 20; v. 244; p. 631.
- Harrow. B. W. Weatherspoon. No. 1,241,064; Sept. 25; v. 242; p. 837.
- Harrow. C. E. White. No. 1,225,904; May 15; v. 238; p. 710.
- Harrow and cleaner, Combined. L. Townsend. No. 1,249,555; Dec. 11; v. 245; p. 356.
- Harrow and truck. P. A. Bauer. No. 1,244,016; Oct. 23; v. 243; p. 907.
- Harrow attachment. A. P. Kochendorfer. No. 1,248,673; Dec. 4; v. 245; p. 73.
- Harrow attachment. E. L. Olson. No. 1,219,992; Mar. 20; v. 236; p. 798.
- Harrow attachment. P. Scherzer. No. 1,211,358; Jan. 2; v. 234; p. 335.
- Harrow cleaner, Disk. W. J. Johnson. No. 1,230,716; June 19; v. 239; p. 863.
- Harrow-cleaning attachment. H. W. Bell. No. 1,242,128; Oct. 9; v. 243; p. 250.
- Harrow-cultivator, Flexible-frame. H. Shemwell. No. 1,241,775; Oct. 2; v. 243; p. 97.
- Harrow, Cylinder. R. M. Boyer. No. 1,246,388; Nov. 13; v. 244; p. 403.
- Harrow, Disk. H. S. Dickinson. No. 1,239,091; Sept. 4; v. 242; p. 119.
- Harrow, Disk. C. S. Sharp. No. 1,213,281; Jan. 23; v. 234; p. 1103.
- Harrow, Disk. C. S. Sharp. No. 1,221,230; Apr. 3; v. 237; p. 81.
- Harrow, Disk. C. S. Sharp. No. 1,247,017; Nov. 20; v. 244; p. 625.
- Harrow, Disk. C. E. White. No. 1,247,765; Nov. 27; v. 244; p. 873.
- Harrow, Double disk. W. W. Cameron. No. 1,223,145; Apr. 17; v. 237; p. 821.
- Harrow, Double disk. G. W. Willis. No. 1,245,295; Nov. 6; v. 244; p. 46.
- Harrow, Drag. L. Bartel and J. Hildebrand. No. 1,222,918; Apr. 17; v. 237; p. 743.
- Harrow-elevator. W. H. Jones. No. 1,212,957; Jan. 16; v. 234; p. 957.
- Harrow, Flexible disk. H. Shemwell. No. 1,241,774; Oct. 2; v. 243; p. 97.
- Harrow or plow from the ground, Device for raising a. A. B. Miller. No. 1,220,136; Mar. 20; v. 236; p. 852.
- Harrow-raising device. M. G. Schmitz. No. 1,212,695; Jan. 16; v. 234; p. 869.
- Harrow, Revolving. C. V. Brown and A. Russell. No. 1,248,257; Nov. 27; v. 244; p. 1013.
- Harrow, Riding. M. De Witt. No. 1,221,152; Apr. 3; v. 237; p. 53.
- Harrow, Rotary. C. Cassell. No. 1,240,542; Sept. 18; v. 242; p. 643.
- Harrow, Rotary. J. J. Edwards. No. 1,251,198; Dec. 25; v. 245; p. 929.
- Harrow, Rotary wheel. H. M. Stark. No. 1,241,046; Sept. 25; v. 242; p. 831.
- Harrow, Seat attachment for riding. S. W. Crane. No. 1,244,295; Oct. 23; v. 243; p. 990.
- Harrow, Self-cleaning. B. Hestness. No. 1,249,395; Dec. 11; v. 245; p. 310.
- Harrow shield, Disk. J. P. Cameron. No. 1,230,464; June 19; v. 239; p. 785.
- Harrow, Tandem disk. W. F. Bereth. No. 1,219,368; Mar. 13; v. 236; p. 552.
- Harrow-tooth. H. H. Scott. No. 1,225,367; May 8; v. 238; p. 488.
- Harrow-tooth holder. A. A. Guerne. No. 1,246,914; Nov. 20; v. 244; p. 596.
- Harrows, Center pressure device for disk. A. L. Pollard. No. 1,246,462; Nov. 13; v. 244; p. 426.
- Harrows, Draft-elevator for. H. C. Hansen, J. A. Norre, and J. A. Reimer. No. 1,230,294; June 19; v. 239; p. 729.
- Harrows, Riding attachment for. J. Dain. No. 1,221,148; Apr. 3; v. 237; p. 51.
- Harrows, Wheel attachment for. A. Ahrenholtz. No. 1,220,485; Mar. 27; v. 236; p. 1012.
- Harvester. B. R. Benjamin. No. 1,247,070; Nov. 20; v. 244; p. 639.
- Harvester. W. A. Birdsell, Sr. No. 1,214,990; Feb. 6; v. 235; p. 180.
- Harvester. O. Czárán. No. 1,215,916; Feb. 13; v. 235; p. 540.
- Harvester. A. B. Meinhardt. No. 1,223,999; Apr. 24; v. 237; p. 1149.
- Harvester. A. B. Meinhardt. No. 1,224,000; Apr. 24; v. 237; p. 1149.
- Harvester. A. B. Meinhardt. No. 1,224,003; Apr. 24; v. 237; p. 1151.
- Harvester. A. B. Meinhardt. No. 1,224,004; Apr. 24; v. 237; p. 1152.
- Harvester. G. N. Patterson. No. 1,243,095; Oct. 16; v. 243; p. 593.
- Harvester. D. J. Pitts. No. 1,217,629; Feb. 27; v. 235; p. 1236.
- Harvester and binder, Grain. W. H. Crane. No. 1,240,028; Sept. 11; v. 242; p. 444.
- Harvester and cutter, Ensilage. J. F. Healy. No. 1,245,458; Nov. 6; v. 244; p. 95.
- Harvester and ensilage-cutter, Corn. W. H. Ascue. No. 1,240,164; Sept. 18; v. 242; p. 523.
- Harvester and husker, Corn. C. A. Hagadone. No. 1,221,316; Apr. 3; v. 237; p. 111.
- Harvester and separator, Bean and pea. R. L. Spikes. No. 1,218,011; Mar. 6; v. 236; p. 43.
- Harvester and thresher, Combined. B. R. Benjamin. No. 1,222,716; Apr. 17; v. 237; p. 675.
- Harvester and thresher, Combined. N. E. Bunting. No. 1,222,730; Apr. 17; v. 237; p. 679.
- Harvester and threshing attachment, Combined. G. W. White. No. 1,244,152; Oct. 23; v. 243; p. 946.
- Harvester attachment. C. R. Raney. No. 1,226,370; May 15; v. 238; p. 871.
- Harvester attachment. C. H. Simpson. No. 1,228,841; June 5; v. 239; p. 160.
- Harvester, Bean and pea. E. G. Howard and R. Altman. No. 1,212,061; Jan. 9; v. 234; p. 613.
- Harvester, Beet. C. Arndt. No. 1,231,836; July 3; v. 240; p. 102.
- Harvester, Beet. E. D. Ball. No. 1,239,337; Sept. 4; v. 242; p. 197.
- Harvester, Beet. J. D. Denburger. No. 1,240,955; Sept. 25; v. 242; p. 803.
- Harvester, Beet. C. Finkbeiner. No. 1,246,811; Nov. 13; v. 244; p. 528.
- Harvester, Beet. P. C. Friedel. No. 1,251,362; Dec. 25; v. 245; p. 978.
- Harvester, Beet. T. M. Fulbright. No. 1,231,593; July 3; v. 240; p. 18.
- Harvester, Beet. C. J. Hobson and G. P. Wright. No. 1,213,371; Jan. 23; v. 234; p. 1136.
- Harvester, Beet. T. P. McCabe. No. 1,216,715; Feb. 20; v. 235; p. 874.
- Harvester, Beet. I. W. Redding. No. 1,232,086; July 3; v. 240; p. 186.
- Harvester, Cane. I. Balseiro. No. 1,237,859; Aug. 21; v. 241; p. 818.
- Harvester, Clover. C. E. Jenkins. No. 1,220,132; Mar. 20; v. 236; p. 851.
- Harvester, Combined. B. Holt. No. 1,224,114; Apr. 24; v. 237; p. 1188.
- Harvester, Corn. S. V. Barnett and J. W. Holloway. No. 1,227,235; May 22; v. 238; p. 1199.
- Harvester, Corn. B. R. Benjamin. No. 1,233,303; July 17; v. 240; p. 649.
- Harvester, Corn. H. J. Hahn. No. 1,238,402; Aug. 28; v. 241; p. 1027.
- Harvester, Corn. W. Hibbs. No. 1,240,847; Sept. 25; v. 242; p. 770.
- Harvester, Corn. W. H. Roe. No. 1,222,890; Apr. 17; v. 237; p. 734.
- Harvester, Corn. J. A. Stone. No. 1,233,418; July 17; v. 240; p. 689.
- Harvester, Corn. E. C. Varner. No. 1,242,084; Oct. 2; v. 243; p. 195.
- Harvester, Cotton. S. Bashinski. No. 1,220,931; Mar. 27; v. 236; p. 1161.
- Harvester, Cotton. G. Blohn. No. 1,242,761; Oct. 9; v. 243; p. 452.
- Harvester, Cotton. C. Caldwell and W. P. Koppe. No. 1,239,767; Sept. 11; v. 242; p. 362.
- Harvester, Cotton. E. F. Cayo. No. 1,213,151; Jan. 23; v. 234; p. 1058.
- Harvester, Cotton. J. Ford. No. 1,214,490; Jan. 30; v. 234; p. 1548.
- Harvester, Cotton. J. J. Ogden. No. 1,238,047; Aug. 21; v. 241; p. 878.
- Harvester, Cotton-boll. M. E. Smith. No. 1,237,832; Aug. 21; v. 241; p. 810.
- Harvester cutting mechanism. A. B. Meinhardt. No. 1,224,002; Apr. 24; v. 237; p. 1150.
- Harvester-elevator. W. H. Crane. No. 1,232,229; July 3; v. 240; p. 232.
- Harvester for cabbage and similar plants. A. E. Crane. No. 1,241,198; Sept. 25; v. 242; p. 879.
- Harvester, Grass-seed. W. J. Hatheway. No. 1,212,053; Jan. 9; v. 234; p. 610.
- Harvester-headers, Force-feed for. A. Kammers. No. 1,217,008; Feb. 20; v. 235; p. 974.

Alphabetical list of inventions—Continued.

- Harvester, Kelp-. C. L. Doney. No. 1,237,313; Aug. 21; v. 241; p. 644.
- Harvester, Kelp-. W. D. Richardson. No. 1,222,324; Apr. 10; v. 237; p. 494.
- Harvester, mower, or tractor, Interconvertible. C. F. Millican and J. H. Wiest. No. 1,251,265; Dec. 25; v. 245; p. 948.
- Harvester, Peanut-. L. E. Meador. No. 1,249,445; Dec. 11; v. 245; p. 324.
- Harvester, Peanut-. T. B. Pretlow. No. 1,233,805; July 17; v. 240; p. 813.
- Harvester, Peanut-. C. T. Rogers and W. J. Bennett. No. 1,251,425; Dec. 25; v. 245; p. 996.
- Harvester, Peanut and potato. G. M. Mize. No. 1,239,935; Sept. 11; v. 242; p. 417.
- Harvester, Potato-. R. Camber. No. 1,215,480; Feb. 13; v. 235; p. 381.
- Harvester, Potato-. G. M. Hatfield. No. 1,221,729; Apr. 3; v. 237; p. 252.
- Harvester, Potato-. R. Summersgill. No. 1,245,526; Nov. 6; v. 244; p. 116.
- Harvester-reel. L. Varble. No. 1,236,021; Aug. 7; v. 241; p. 162.
- Harvester-reel-operating mechanism. A. B. Meinhardt. No. 1,224,001; Apr. 24; v. 237; p. 1150.
- Harvester, Seed-. T. B. Watson and J. J. Brasington. No. 1,221,117; Apr. 3; v. 237; p. 40.
- Harvester steering mechanism. A. B. Meinhardt. No. 1,224,005; Apr. 24; v. 237; p. 1152.
- Harvester, Stripper-. E. F. Anderson. No. 1,219,211; Mar. 13; v. 236; p. 497.
- Harvester, Tobacco-. P. M. Pence. No. 1,217,495; Feb. 27; v. 235; p. 1188.
- Harvester wind-shield. W. H. Crane. No. 1,240,424; Sept. 18; v. 242; p. 606.
- Harvesters, Cutting apparatus for. J. Dain. No. 1,210,910; Jan. 2; v. 234; p. 184.
- Harvesters, Gearing for peanut-. S. H. Brummett. No. 1,245,565; Nov. 6; v. 244; p. 128.
- Harvesters, huskers, or the like, Snapping-rolls for corn. J. A. Stone. No. 1,226,719; May 22; v. 238; p. 1021.
- Harvesters, shockers, and the like, Twine-tension device for. B. R. Benjamin. No. 1,211,815; Jan. 9; v. 234; p. 527.
- Harvesters, Wheat-shocking attachment for. W. D. Blair and H. C. Raasch. No. 1,221,820; Apr. 10; v. 237; p. 317.
- Harvesting and cleaning machine, Cotton. J. Meier and J. F. Wallace. No. 1,239,614; Sept. 11; v. 242; p. 313.
- Harvesting apparatus, Cranberry-. H. B. Maglathlin. No. 1,233,089; July 10; v. 240; p. 545.
- Harvesting fodder-crops, Method of and apparatus for. F. Slathar. No. 1,213,284; Jan. 23; v. 234; p. 1104.
- Harvesting-machine. C. I. Dunblazier. No. 1,218,532; Mar. 6; v. 236; p. 222.
- Harvesting-machine. H. Shuttleworth. No. 1,233,134; July 10; v. 240; p. 560.
- Harvesting-machine. J. M. Veatch. No. 1,214,242; Jan. 30; v. 234; p. 1463.
- Harvesting-machine attachment. C. R. Raney. No. 1,226,372; May 15; v. 238; p. 871.
- Harvesting-machine, Automotor. E. H. N. Bonnet. No. 1,217,906; Mar. 6; v. 236; p. 7.
- Harvesting machine, Beet-. C. D. Heyer. No. 1,218,860; Mar. 15; v. 236; p. 379.
- Harvesting machine, Beet-. C. H. Hill. No. 1,250,458; Dec. 18; v. 245; p. 660.
- Harvesting machine, Corn-. C. A. Hagadone. No. 1,213,629; Jan. 23; v. 234; p. 1225.
- Harvesting machine, Cotton-. C. R. Cashion. No. 1,217,408; Feb. 27; v. 235; p. 1154.
- Harvesting machine, Cotton-. E. Lightfoot. No. 1,210,958; Jan. 2; v. 234; p. 201.
- Harvesting machine, Ensilage. M. Angus. No. 1,241,325; Sept. 25; v. 242; p. 921.
- Harvesting-machine frame, Beet-. E. Degrémont. No. 1,249,911; Dec. 11; v. 245; p. 461.
- Harvesting machine, Grain-. C. S. Denton. No. 1,249,914; Dec. 11; v. 245; p. 462.
- Harvesting machine, Pea-. J. T. Shipp. No. 1,230,822; June 19; v. 239; p. 903.
- Harvesting machine, Root-. R. Gittins. No. 1,241,108; Sept. 25; v. 242; p. 850.
- Harvesting-machine, Sheaf-binder. F. B. Wells. No. 1,243,365; Oct. 16; v. 243; p. 673.
- Harvesting-machines, Loading device for. J. A. Jeffery. No. 1,243,069; Oct. 16; v. 243; p. 585.
- Harvesting-machines, Shocking accessory for. J. G. Kerst. No. 1,221,743; Apr. 3; v. 237; p. 256.
- Harvesting machinery. C. R. Raney, B. R. Benjamin, and R. C. Livesay. No. 1,233,399; July 17; v. 240; p. 682.
- Harvesting the constituents of woods and vegetable substances, distilling and purifying them, Apparatus for. W. K. Freeman. No. 1,231,247; June 26; v. 239; p. 1086.
- Hasp. H. R. Chubbic. No. 1,248,078; Nov. 27; v. 244; p. 960.
- Hasp. R. W. Ledbetter. No. 1,244,104; Oct. 23; v. 243; p. 932.
- Hasp, Expandable. I. E. Marshall. No. 1,222,649; Apr. 17; v. 237; p. 651.
- Hasp-fastener. A. Christie. No. 1,240,316; Sept. 18; v. 242; p. 573.
- Hasp-fastener. H. Holmes. No. 1,237,782; Aug. 21; v. 241; p. 795.
- Hasp-fastener. J. C. Morgan. No. 1,230,073; June 12; v. 239; p. 617.
- Hasp-lock, Permutation. H. E. Miller. No. 1,222,230; Apr. 10; v. 237; p. 462.
- Hasp-mounting. W. C. and C. R. Martineau. No. 1,231,278; June 26; v. 239; p. 1096.
- Hat. C. H. Block. No. 1,215,468; Feb. 13; v. 235; p. 377.
- Hat. E. E. Claussen. No. 1,250,968; Dec. 25; v. 245; p. 862.
- Hat. W. Conner. No. 1,212,132; Jan. 9; v. 234; p. 636.
- Hat. A. D. Mitchell. No. 1,242,964; Oct. 16; v. 243; p. 551.
- Hat. K. Murakami. No. 1,249,454; Dec. 11; v. 245; p. 327.
- Hat. J. Stronge. No. 1,212,842; Jan. 16; v. 234; p. 918.
- Hat. M. A. Wells. No. 1,234,589; July 24; v. 240; p. 1104.
- Hat-adjuster. L. Rosenzweig. No. 1,225,275; May 8; v. 238; p. 453.
- Hat and coat hanger. M. Hentnik. No. 1,236,169; Aug. 7; v. 241; p. 205.
- Hat-banding, Woman's. M. A. Burns. No. 1,211,075; Jan. 2; v. 234; p. 241.
- Hat-bodies, Forming edges of. P. H. Haugh. No. 1,246,917; Nov. 20; v. 244; p. 597.
- Hat-bodies, Machine for jacking and brushing. A. M. Warm. No. 1,210,876; Jan. 2; v. 234; p. 171.
- Hat-box. A. H. Carstensen. No. 1,216,071; Feb. 13; v. 235; p. 597.
- Hat-box. L. Cohen. No. 1,218,628; Mar. 13; v. 236; p. 293.
- Hat-box. A. H. Fechner. No. 1,236,697; Aug. 14; v. 241; p. 409.
- Hat-box, Sectional. J. B. Macon. No. 1,225,451; May 8; v. 238; p. 516.
- Hat-brim. W. Wolf. No. 1,238,615; Aug. 28; v. 241; p. 1096.
- Hat-brim-trimming machine. F. Duro, G. Crivelli, and F. Pampuro. No. 1,221,427; Apr. 3; v. 237; p. 149.
- Hat-brim wires, Machine for making. A. Brown. No. 1,216,409; Feb. 20; v. 235; p. 769.
- Hat-cord holder. H. J. Doucette. No. 1,233,455; July 17; v. 240; p. 701.
- Hat-covering. W. P. Brooks. No. 1,214,128; Jan. 30; v. 234; p. 1425.
- Hat-drying apparatus, Means for handling rods for. W. F. Chiniquy and W. O. Winch. No. 1,249,029; Dec. 4; v. 245; p. 174.
- Hat-fastener. H. W. Collins. No. 1,238,639; Aug. 28; v. 241; p. 1104.
- Hat-fastener. J. T. Cooney. No. 1,218,838; Mar. 13; v. 236; p. 370.
- Hat-fastener. L. A. Egav. No. 1,246,071; Nov. 13; v. 244; p. 307.
- Hat-fastener. D. G. Fulceri. No. 1,222,281; Apr. 10; v. 237; p. 479.
- Hat-fastener. J. J. Smith. No. 1,246,341; Nov. 13; v. 244; p. 388.
- Hat-fastener. C. Swanson. No. 1,223,008; Apr. 17; v. 237; p. 774.
- Hat-fastener. A. Taylor. No. 1,231,454; June 26; v. 239; p. 1156.
- Hat-fastener. M. Zierold. No. 1,250,264; Dec. 18; v. 245; p. 603.
- Hat filler, Straw-. C. S. Thayer. No. 1,213,435; Jan. 23; v. 234; p. 1158.
- Hat for dolls and other purposes. C. M. Keller. No. 1,221,867; Apr. 10; v. 237; p. 333.
- Hat-forming die. J. S. Buckman. No. 1,223,665; Apr. 24; v. 237; p. 1034.
- Hat-forming machine. J. S. Buckman. No. 1,223,666; Apr. 24; v. 237; p. 1035.
- Hat-hanger. C. O. Hayward. No. 1,227,906; May 29; v. 238; p. 1453.
- Hat-hanger. W. D. Ryan. No. 1,222,675; Apr. 17; v. 237; p. 661.
- Hat-holder. M. F. MaLoney. No. 1,213,392; Jan. 23; v. 234; p. 1143.
- Hat-holder. D. B. Nelson. No. 1,231,635; July 3; v. 240; p. 32.
- Hat-holder, Vest-pocket. H. C. Tatro. No. 1,251,443; Dec. 25; v. 245; p. 1001.
- Hat-holding means. E. Brewster. No. 1,213,833; Jan. 30; v. 234; p. 1323.
- Hat-lining. L. Cohen. No. 1,222,527; Apr. 10; v. 237; p. 566.
- Hat-lining. A. Kurtz. No. 1,216,140; Feb. 13; v. 235; p. 623.
- Hat-lining. K. Kurtz. No. 1,248,137; Nov. 27; v. 244; p. 978.
- Hat-lining, Adjustable. F. Grunig and M. L. Van Huele. No. 1,225,618; May 8; v. 238; p. 572.
- Hat-lining, Temporary. M. W. Ott. No. 1,247,319; Nov. 20; v. 244; p. 711.
- Hat-marker. T. H. Lawrence. No. 1,237,662; Aug. 21; v. 241; p. 757.
- Hat-pin. E. D. Powell. No. 1,213,903; Jan. 30; v. 234; p. 1349.
- Hat-pin. M. Strickler. No. 1,221,624; Apr. 3; v. 237; p. 217.

- Hat-pin. M. J. Williams. No. 1,226,836; May 22; v. 238; p. 1062.
- Hat-pin clasp. C. Rauch. No. 1,251,417; Dec. 25; v. 245; p. 993.
- Hat-pin guard. H. Greenberg. No. 1,235,310; July 31; v. 240; p. 1359.
- Hat-pin guard. G. E. Schwartz. No. 1,215,204; Feb. 6; v. 235; p. 251.
- Hat-pin guard. J. Wood. No. 1,216,905; Feb. 20; v. 235; p. 938.
- Hat-pin-point protector. W. Johnson. No. 1,229,089; June 5; v. 239; p. 240.
- Hat-pin-point protector. Z. Veres. No. 1,223,540; Apr. 24; v. 237; p. 991.
- Hat-pin protector. M. I. R. Flocker. No. 1,215,015; Feb. 6; v. 235; p. 189.
- Hat-pin protector. N. C. Jensen. No. 1,237,049; Aug. 14; v. 241; p. 524.
- Hat-pin protector. H. T. Stoner. No. 1,238,357; Aug. 28; v. 241; p. 1013.
- Hat-pin protector. F. B. White and O. W. Nelson. No. 1,235,622; Aug. 7; v. 241; p. 31.
- Hat-pin shield. E. I. Bates. No. 1,227,238; May 22; v. 238; p. 1200.
- Hat-press. F. Herr. No. 1,212,054; Jan. 9; v. 234; p. 611.
- Hat-press. J. F. Senn. No. 1,219,353; Mar. 13; v. 236; p. 545.
- Hat-protector. L. Cohen. No. 1,222,528; Apr. 10; v. 237; p. 566.
- Hat-protector. Waterproof. I. Glaser. No. 1,232,277; July 3; v. 240; p. 248.
- Hat-rack. R. R. Smith. No. 1,219,784; Mar. 20; v. 236; p. 726.
- Hat-retainer. Safety. A. II Szubski. No. 1,231,219; June 26; v. 239; p. 1077.
- Hat-shaping apparatus. L. Stevens. No. 1,224,427; May 1; v. 238; p. 114.
- Hat-size-reducing device. H. D. Curtis. No. 1,219,086; Mar. 13; v. 236; p. 454.
- Hat-stamping presses, Hydraulic jacket for. G. W. Chamberlain. No. 1,217,274; Feb. 27; v. 235; p. 1109.
- Hat, Straw-braid. F. N. Knapp. No. 1,219,111; Mar. 13; v. 236; p. 463.
- Hat stretcher and steamer. H. P. Lynch and W. Meck. No. 1,214,335; Jan. 30; v. 234; p. 1498.
- Hat structure. R. Reiss. No. 1,236,984; Aug. 14; v. 241; p. 502.
- Hat sweat-band. M. A. Buckingham. No. 1,238,881; Sept. 4; v. 242; p. 51.
- Hat-ventilating support. A. Pludowski. No. 1,218,891; Mar. 13; v. 236; p. 390.
- Hats. Apparatus for treating and finishing sized. W. W. Riday. No. 1,223,733; Apr. 24; v. 237; p. 1058.
- Hats. Crease-retainer for. F. Katz. No. 1,251,045; Dec. 25; v. 245; p. 885.
- Hats. Crease-retaining device for. E. Korn. No. 1,230,307; June 19; v. 239; p. 733.
- Hats. Manufacture of. J. J. Tracy. No. 1,214,845; Feb. 6; v. 235; p. 125.
- Hats. Manufacture of. J. J. Tracy. No. 1,214,846; Feb. 6; v. 235; p. 125.
- Hats. Manufacturing. H. Cohn. No. 1,243,487; Oct. 16; v. 243; p. 709.
- Hats or caps. Glare-arrester attachment for. C. W. Kirchner. No. 1,232,812; July 10; v. 240; p. 456.
- Hats. Process of and apparatus for making Panama. E. Valente. No. 1,239,064; Sept. 4; v. 242; p. 110.
- Hatband. E. Idoux. No. 1,237,048; Aug. 14; v. 241; p. 524.
- Hatch-cover lift. W. H. Hunt. No. 1,241,385; Sept. 25; v. 242; p. 938.
- Hatch-covering. F. Tetzlaff. No. 1,237,841; Aug. 21; v. 241; p. 813.
- Hatch-opening mechanism. S. F. Meek. No. 1,216,155; Feb. 13; v. 235; p. 627.
- Hatchet-sheath. M. Clauser. No. 1,215,251; Feb. 6; v. 235; p. 268.
- Hatching and brooding device, Combined. A. J. Van Ackeren. No. 1,212,289; Jan. 16; v. 234; p. 725.
- Hauling apparatus. S. M. Smith. No. 1,246,175; Nov. 13; v. 244; p. 338.
- Hauling device. F. H. Santel. No. 1,231,794; July 3; v. 240; p. 86.
- Hay-bunching machine. G. S. McClure. No. 1,227,058; May 22; v. 238; p. 1138.
- Hay-bunching machine. B. C. Myers. No. 1,212,094; Jan. 9; v. 234; p. 622.
- Hay-carrier trip device. G. B. Montgomery. No. 1,215,046; Feb. 6; v. 235; p. 200.
- Hay-compressing machine, Baled. G. E. Whitney. No. 1,217,893; Feb. 27; v. 235; p. 1324.
- Hay-distributing apparatus. P. L. Forbes. No. 1,216,558; Feb. 20; v. 235; p. 821.
- Hay-elevator. D. F. Eshleman. No. 1,250,824; Dec. 18; v. 245; p. 770.
- Hay-fork attachment. G. W. Fisher. No. 1,244,437; Oct. 23; v. 243; p. 1031.
- Hay gathering and baling machine. W. C. Dement. No. 1,247,233; Nov. 20; v. 244; p. 687.
- Hay-handling device. M. Conner. No. 1,229,036; June 5; v. 239; p. 222.
- Hay-knife. H. C. Amls. No. 1,224,436; May 1; v. 238; p. 117.
- Hay-loader. J. Dain. No. 1,237,305; Aug. 21; v. 241; p. 641.
- Hay-loader. W. B. Hooper. No. 1,215,375; Feb. 13; v. 235; p. 345.
- Hay-loader. J. F. Hutchinson. No. 1,220,339; Mar. 27; v. 236; p. 960.
- Hay-loader. J. O. Mantooth. No. 1,219,020; Mar. 13; v. 236; p. 433.
- Hay-loader. E. Mowry. No. 1,229,640; June 12; v. 239; p. 477.
- Hay-loader. E. Mowry. No. 1,250,337; Dec. 18; v. 245; p. 624.
- Hay-loaders, Grapple for. T. Araki. No. 1,245,657; Nov. 6; v. 244; p. 157.
- Hay-press. J. Dain. No. 1,213,158; Jan. 23; v. 234; p. 1060.
- Hay-press. J. Dain and H. B. Sperry. No. 1,244,035; Oct. 23; v. 243; p. 912.
- Hay-press. J. A. Diekel. No. 1,227,761; May 29; v. 238; p. 1402.
- Hay-press. J. Z. Dudley. No. 1,242,158; Oct. 9; v. 243; p. 260.
- Hay-press. W. G. Duffield. No. 1,224,288; May 1; v. 238; p. 63.
- Hay-press. S. T. Edmonson. No. 1,246,569; Nov. 13; v. 244; p. 458.
- Hay-press. B. F. and C. W. Hilton. No. 1,231,354; June 26; v. 239; p. 1121.
- Hay-press. R. C. Mott and J. Alexander. No. 1,221,573; Apr. 3; v. 237; p. 201.
- Hay-press. W. H. Pate. No. 1,234,078; July 17; v. 240; p. 901.
- Hay-press. A. J. Rodrigue. No. 1,221,220; Apr. 3; v. 237; p. 78.
- Hay-press. J. J. Thompson. No. 1,248,753; Dec. 4; v. 245; p. 96.
- Hay-presses, Automatic binder attachment for. J. B. Trigg. No. 1,243,570; Oct. 16; v. 243; p. 733.
- Hay-presses, Automatic divider-block for. F. D. Scholl. No. 1,232,984; July 10; v. 240; p. 511.
- Hay-rack. R. Black. No. 1,225,004; May 8; v. 238; p. 364.
- Hay-rack. J. P. Watson. No. 1,225,087; May 8; v. 238; p. 391.
- Hay-rack and wagon-box jack. N. P. Petersen. No. 1,238,329; Aug. 28; v. 241; p. 1005.
- Hay-rack attachment. L. Arnold. No. 1,214,639; Feb. 6; v. 235; p. 55.
- Hay-rack attachment. W. H. Venard. No. 1,249,257; Dec. 4; v. 245; p. 239.
- Hay-rack, One-man. L. Rheault. No. 1,219,154; Mar. 13; v. 236; p. 478.
- Hay-rack, Revolving. C. Jones. No. 1,239,107; Sept. 4; v. 242; p. 124.
- Hay-racks, Apparatus for the removal of. F. E. Niblo. No. 1,244,235; Oct. 23; v. 243; p. 971.
- Hay-rake. J. W. Kahl. No. 1,221,541; Apr. 3; v. 237; p. 190.
- Hay-rake. C. Pearson. No. 1,250,347; Dec. 18; v. 245; p. 627.
- Hay rake and baler. W. E. Gaddis. No. 1,212,044; Jan. 9; v. 234; p. 607.
- Hay rake and loader, Combined. J. A. Hadley. No. 1,230,152; June 19; v. 239; p. 680.
- Hay-rake, Horse. F. M. Cary. No. 1,230,863; June 26; v. 239; p. 956.
- Hay rake or stacker. W. L. Cleveland. No. 1,230,066; June 12; v. 239; p. 614.
- Hay rake, tedder and swath turner, Combined side-delivery. J. and C. J. Bamford. No. 1,239,153; Sept. 4; v. 242; p. 139.
- Hay-rigging. L. F. Runyan. No. 1,213,023; Jan. 16; v. 234; p. 981.
- Hay-sling release. I. Konczak. No. 1,239,700; Sept. 11; v. 242; p. 342.
- Hay-sweep cleaner. C. G. Seger. No. 1,219,495; Mar. 20; v. 236; p. 625.
- Head-clamp and eyelid-holder for surgical operations on the eye. E. R. Crossley. No. 1,230,873; June 26; v. 239; p. 959.
- Head-covering. P. N. Dolan. No. 1,228,002; May 29; v. 238; p. 1485.
- Head-covering. M. J. Harris. No. 1,239,910; Sept. 11; v. 242; p. 409.
- Head end and clevis. W. D. Thomas. No. 1,241,451; Sept. 25; v. 242; p. 958.
- Head-gate, Automatic. K. F. Keeler. No. 1,210,944; Jan. 2; v. 234; p. 196.
- Head-gate, Automatic. K. F. Keeler. No. 1,216,698; Feb. 20; v. 235; p. 868.
- Head-gear. H. H. Vaughan. No. 1,238,966; Sept. 4; v. 242; p. 79.
- Head-gear, Lady's. J. Tramana. No. 1,234,828; July 31; v. 240; p. 1210.
- Head-lamp control. J. W. Pierce. No. 1,237,951; Aug. 21; v. 241; p. 847.
- Head-lamp, Dirigible. W. T. Delony. No. 1,241,348; Sept. 25; v. 242; p. 927.
- Head-lamp for motor-cars. Swivel. E. W. Shaw. No. 1,216,173; Feb. 13; v. 235; p. 634.
- Head-lamp, Vehicle. O. R. Sell. No. 1,217,841; Feb. 27; v. 235; p. 1307.

Alphabetical list of inventions—Continued.

- Head-locking mechanism. J. A. McCaskell. No. 1,244,222; Oct. 23; v. 243; p. 968.
- Head-protector. F. L. Rhoades. No. 1,222,995; Apr. 17; v. 237; p. 770.
- Head-rest. F. Vanek. No. 1,236,237; Aug. 7; v. 241; p. 229.
- Header. J. C. F. McCauley. No. 1,216,585; Feb. 20; v. 235; p. 831.
- Header. W. V. Pritchett. No. 1,223,201; Apr. 17; v. 237; p. 841.
- Header. R. L. Wilcox. No. 1,241,693; Oct. 2; v. 243; p. 72.
- Header-box. J. A. Lawson. No. 1,239,408; Sept. 4; v. 242; p. 219.
- Headers and header-binders. Attachment for. D. E. Hurtig and F. L. Haggart. No. 1,251,379; Dec. 25; v. 245; p. 983.
- Heading-hook. D. M. Sarkisian. No. 1,245,515; Nov. 6; v. 244; p. 113.
- Heading-machine. H. L. Smith. No. 1,244,912; Oct. 30; v. 243; p. 1215.
- Heading-machine. C. W. Swenson. No. 1,243,003; Oct. 16; v. 243; p. 563.
- Headlight. J. C. and G. N. Ballard. No. 1,250,765; Dec. 18; v. 245; p. 751.
- Headlight. H. Bastow. No. 1,236,137; Aug. 7; v. 241; p. 195.
- Headlight. F. Buchanan. No. 1,216,772; Feb. 13; v. 235; p. 488.
- Headlight. J. C. Day. No. 1,212,748; Jan. 16; v. 234; p. 887.
- Headlight. F. W. Dressel. No. 1,221,007; Mar. 27; v. 236; p. 1186.
- Headlight. A. H. Ford. No. 1,235,674; Aug. 7; v. 241; p. 46.
- Headlight. A. H. Ford. No. 1,235,675; Aug. 7; v. 241; p. 46.
- Headlight. A. E. Hale. No. 1,244,200; Oct. 23; v. 243; p. 960.
- Headlight. E. L. and W. R. Jillson, Jr. No. 1,214,309; Jan. 30; v. 234; p. 1489.
- Headlight. H. B. Kenyon. No. 1,229,474; June 12; v. 239; p. 420.
- Headlight. J. W. Lewellen and F. P. Homer. No. 1,222,427; Apr. 10; v. 237; p. 532.
- Headlight. W. S. Perry. No. 1,219,480; Mar. 20; v. 236; p. 619.
- Headlight. F. D. Shenk and R. H. Holman. No. 1,224,421; May 1; v. 238; p. 111.
- Headlight. O. Winston. No. 1,240,282; Sept. 18; v. 242; p. 561.
- Headlight. O. Winston. No. 1,250,745; Dec. 18; v. 245; p. 746.
- Headlight. Adjustable. K. R. Vaught. No. 1,250,249; Dec. 18; v. 245; p. 598.
- Headlight-adjuster for vehicles. P. N. Squires. No. 1,216,619; Feb. 20; v. 235; p. 843.
- Headlight apparatus for vehicles and process for dimming. J. H. Kendig. No. 1,245,241; Nov. 6; v. 244; p. 30.
- Headlight attachment, Automobile. G. R. Matheson and J. B. Shaw. No. 1,217,199; Feb. 27; v. 235; p. 1084.
- Headlight attachment for automobiles, Dirigible. T. F. Morton. No. 1,240,759; Sept. 18; v. 242; p. 708.
- Headlight, Automatic adjustable. E. E. Sanders. No. 1,235,058; July 31; v. 240; p. 1283.
- Headlight, Automatically-directed. H. A. Miller. No. 1,234,484; July 24; v. 240; p. 1070.
- Headlight, Automatically-swinging. G. C. Jones. No. 1,219,947; Mar. 20; v. 236; p. 784.
- Headlight, Automobile. J. C. Backus. No. 1,223,657; Apr. 24; v. 237; p. 1031.
- Headlight, Automobile. J. Devinez. No. 1,212,460; Jan. 16; v. 234; p. 783.
- Headlight, Automobile. H. L. Hedeon. No. 1,245,913; Nov. 6; v. 244; p. 233.
- Headlight, Automobile. J. W. Higgins. No. 1,244,734; Oct. 30; v. 243; p. 1161.
- Headlight, Automobile. W. E. Klein. No. 1,249,421; Dec. 11; v. 245; p. 317.
- Headlight, Automobile. L. A. Longley. No. 1,210,504; Jan. 2; v. 234; p. 44.
- Headlight, Automobile. B. T. Merrill. No. 1,248,146; Nov. 27; v. 244; p. 981.
- Headlight, Automobile. D. X. Pointer. No. 1,249,485; Dec. 11; v. 245; p. 336.
- Headlight, Automobile. C. C. Pratt. No. 1,240,780; Sept. 18; v. 242; p. 715.
- Headlight, Automobile. T. H. and G. L. Schror. No. 1,237,830; Aug. 21; v. 241; p. 809.
- Headlight bracket, Dirigible. H. A. Maltz. No. 1,229,304; June 12; v. 239; p. 363.
- Headlight control. C. J. Lantis. No. 1,233,886; July 17; v. 240; p. 840.
- Headlight control. O. O'Neal. No. 1,213,126; Jan. 16; v. 234; p. 1016.
- Headlight control, Automatic. R. S. Risdon. No. 1,225,494; May 8; v. 238; p. 529.
- Headlight control, Automobile. J. J. Sexton and R. E. Klages. No. 1,231,076; June 26; v. 239; p. 1029.
- Headlight-control device. H. E. Coble. No. 1,237,617; Aug. 21; v. 241; p. 741.
- Headlight-controlling device, Automobile. G. R. Matheson and J. B. Shaw. No. 1,211,474; Jan. 9; v. 234; p. 409.
- Headlight-deflector, Non-glare. A. Bailey, Jr. No. 1,241,074; Sept. 25; v. 242; p. 839.
- Headlight diffuser and deflector, Automobile. W. J. Thul. No. 1,250,714; Dec. 18; v. 245; p. 736.
- Headlight-dimmer. A. H. Babcock. No. 1,219,066; Mar. 13; v. 236; p. 448.
- Headlight-dimmer. W. F. Conlan. No. 1,219,628; Mar. 20; v. 236; p. 672.
- Headlight-dimmer. L. A. Feuchter. No. 1,216,100; Feb. 13; v. 235; p. 608.
- Headlight-dimmer. C. B. Gamble and F. C. Shepard. No. 1,214,909; Feb. 6; v. 235; p. 149.
- Headlight-dimmer. T. F. Kiernan. No. 1,230,304; June 19; v. 239; p. 732.
- Headlight-dimmer. E. Killebrew. No. 1,238,685; Aug. 28; v. 241; p. 1116.
- Headlight-dimmer. P. Miller. No. 1,246,137; Nov. 13; v. 244; p. 327.
- Headlight-dimmer. W. S. Perry. No. 1,219,583; Mar. 20; v. 236; p. 656.
- Headlight dimmer, Auto. F. G. Withrow and J. P. Weeks. No. 1,236,809; Aug. 14; v. 241; p. 447.
- Headlight dimmer, Automobile. F. H. Michelson. No. 1,222,013; Apr. 10; v. 237; p. 385.
- Headlight-dimmer device, Automobile. R. J. Morton. No. 1,218,104; Mar. 6; v. 236; p. 75.
- Headlight, Dirigible. D. Bittner, Jr. No. 1,217,140; Feb. 27; v. 235; p. 1063.
- Headlight, Dirigible. G. W. Beach and C. Von Culin. No. 1,246,526; Nov. 13; v. 244; p. 445.
- Headlight, Dirigible. H. A. Bossert. No. 1,243,584; Oct. 16; v. 243; p. 737.
- Headlight, Dirigible. H. M. Bryant. No. 1,250,277; Dec. 18; v. 245; p. 606.
- Headlight, Dirigible. F. Cammarata. No. 1,240,668; Sept. 18; v. 242; p. 681.
- Headlight, Dirigible. F. E. Colburn. No. 1,227,885; May 29; v. 238; p. 1445.
- Headlight, Dirigible. C. N. Cox. No. 1,216,216; Feb. 13; v. 235; p. 648.
- Headlight, Dirigible. J. E. Crawford. No. 1,235,444; July 31; v. 240; p. 1397.
- Headlight, Dirigible. J. E. Dempsey. No. 1,244,713; Oct. 30; v. 243; p. 1155.
- Headlight, Dirigible. J. M. Ervin. No. 1,213,765; Jan. 23; v. 234; p. 1269.
- Headlight, Dirigible. J. P. Fox. No. 1,240,695; Sept. 18; v. 242; p. 688.
- Headlight, Dirigible. J. P. Fox. (Reissue.) No. 14,366; Sept. 25; v. 242; p. 970.
- Headlight, Dirigible. H. F. Hoffman. No. 1,212,642; Jan. 16; v. 234; p. 849.
- Headlight, Dirigible. H. F. Hoffman. No. 1,212,769; Jan. 16; v. 234; p. 894.
- Headlight, Dirigible. R. H. Lewis. No. 1,245,474; Nov. 6; v. 244; p. 99.
- Headlight, Dirigible. H. D. McLean and C. Waring. No. 1,230,741; June 19; v. 239; p. 876.
- Headlight, Dirigible. H. D. McLean and C. Waring. No. 1,241,410; Sept. 25; v. 242; p. 945.
- Headlight, Dirigible. J. Mesick. No. 1,231,184; June 26; v. 239; p. 1066.
- Headlight, Dirigible. R. E. Nelson. No. 1,234,792; July 31; v. 240; p. 1199.
- Headlight, Dirigible. B. Norstog. No. 1,239,034; Sept. 4; v. 242; p. 101.
- Headlight, Dirigible. S. G. Oglesby. No. 1,226,581; May 15; v. 238; p. 937.
- Headlight, Dirigible. C. R. Stenberg. No. 1,224,804; May 1; v. 238; p. 243.
- Headlight, Dirigible. A. L. Stewardson and J. D. Harper. No. 1,213,706; Jan. 23; v. 234; p. 1250.
- Headlight, Dirigible. L. O. Van Nostrand. No. 1,250,727; Dec. 18; v. 245; p. 741.
- Headlight, Dirigible. C. Von Culin and G. W. Beach. No. 1,229,551; June 12; v. 239; p. 447.
- Headlight, Dirigible. L. J. Wogenstahl. No. 1,214,736; Feb. 6; v. 235; p. 89.
- Headlight, Dirigible. R. A. Young. No. 1,231,980; July 3; v. 240; p. 148.
- Headlight, Dirigible automatic. B. A. Rodefer. No. 1,222,141; Apr. 10; v. 237; p. 429.
- Headlight, Dirigible automobile. D. Forniraseo. No. 1,215,016; Feb. 6; v. 235; p. 189.
- Headlight, Dirigible automobile. C. E. House. No. 1,226,665; May 22; v. 238; p. 1004.
- Headlight, Dirigible automobile. H. V. Needham. No. 1,212,095; Jan. 9; v. 234; p. 622.
- Headlight, Dirigible automobile. J. W. Sears. No. 1,240,784; Sept. 18; v. 242; p. 717.
- Headlight, Dirigible automobile. M. L. Taylor. No. 1,240,626; Sept. 18; v. 242; p. 666.
- Headlight, Dirigible vehicle. G. W. Morse. No. 1,213,399; Jan. 23; v. 234; p. 1145.
- Headlight flag-supporting device. C. P. Pentoney. No. 1,241,433; Sept. 25; v. 242; p. 952.
- Headlight for automobiles. H. C. Bishop. No. 1,245,140; Oct. 30; v. 243; p. 1283.
- Headlight for automobiles, Dirigible. M. Belobrojdic. No. 1,248,999; Dec. 4; v. 245; p. 166.

- Headlight for automobiles, Dirigible. W. Clary. No. 1,233,027; July 10; v. 240; p. 525.
- Headlight for automobiles, Dirigible. R. C. Ferguson. No. 1,229,923; June 12; v. 239; p. 570.
- Headlight for automobiles, Dirigible. W. P. Roberts. No. 1,236,874; Aug. 14; v. 241; p. 466.
- Headlight for automobiles, locomotives, &c. F. M. Crank. No. 1,246,396; Nov. 13; v. 244; p. 406.
- Headlight for automobiles, Self-adjusting. H. H. Hoy. No. 1,242,350; Oct. 9; v. 243; p. 320.
- Headlight for motor-vehicles. F. R. Falkenstein. No. 1,242,929; Oct. 16; v. 243; p. 539.
- Headlight for motor-vehicles, &c. H. W. Lakin. No. 1,240,583; Sept. 18; v. 242; p. 654.
- Headlight for vehicles. C. E. Harthan. No. 1,246,093; Nov. 13; v. 244; p. 314.
- Headlight for vehicles. F. H. Rutherford. No. 1,213,269; Jan. 23; v. 234; p. 1099.
- Headlight for vehicles, Dirigible. E. M. Lyon. No. 1,225,984; May 15; v. 238; p. 737.
- Headlight for vehicles, Dirigible. E. M. Lyon. No. 1,233,078; July 10; v. 240; p. 541.
- Headlight for vehicles, Dirigible. E. M. Lyon. No. 1,240,354; Sept. 18; v. 242; p. 584.
- Headlight-glass. R. L. Slonaker. No. 1,244,556; Oct. 30; v. 243; p. 1107.
- Headlight glass, Automobile. H. D. Cohen. No. 1,213,154; Jan. 23; v. 234; p. 1059.
- Headlight-lens. A. H. Forger. No. 1,251,211; Dec. 25; v. 245; p. 933.
- Headlight-lens. G. D. Sailer, M. H. Miller, and T. G. Stough. No. 1,250,669; Dec. 18; v. 245; p. 722.
- Headlight-lens. T. T. Seal. No. 1,238,446; Aug. 28; v. 241; p. 1042.
- Headlight-lens. C. W. Waggoner. No. 1,245,836; Nov. 6; v. 244; p. 211.
- Headlight-lens. W. H. Zorger. No. 1,246,216; Nov. 13; v. 244; p. 350.
- Headlight-lens, Dimming. U. G. Cassady and L. W. George. No. 1,230,669; June 19; v. 239; p. 853.
- Headlight light-diffuser, Automobile. C. H. Muckenhirn. No. 1,233,495; July 17; v. 240; p. 714.
- Headlight mechanism, Dirigible. O. A. Cox. No. 1,220,731; Mar. 27; v. 236; p. 1095.
- Headlight mechanism, Dirigible. B. F. De Graw. No. 1,229,907; June 12; v. 239; p. 564.
- Headlight mechanism, Dirigible. T. R. Hanson. No. 1,243,290; Oct. 16; v. 243; p. 650.
- Headlight mechanism, Dirigible. J. S. Spirewfk, Jr. No. 1,226,133; May 15; v. 238; p. 789.
- Headlight, Movable. B. W. Pattinson. No. 1,250,000; Dec. 11; v. 245; p. 485.
- Headlight, No-glare. E. Bruns. No. 1,217,912; Mar. 6; v. 236; p. 3.
- Headlight, Non-glaring. J. Bennett. No. 1,245,426; Nov. 6; v. 244; p. 85.
- Headlight-operating mechanism, Dirigible. E. C. Smith. No. 1,225,516; May 8; v. 238; p. 536.
- Headlight-operating system. H. F. Hoffman. No. 1,217,942; Mar. 6; v. 236; p. 20.
- Headlight, Safety-. R. G. Harris. No. 1,219,394; Mar. 13; v. 236; p. 560.
- Headlight-shade. E. Gabel. No. 1,221,305; Apr. 3; v. 237; p. 107.
- Headlight-shield. W. Seville. No. 1,238,204; Aug. 28; v. 241; p. 962.
- Headlight shield or dimmer. F. Pardee. No. 1,249,182; Dec. 4; v. 245; p. 217.
- Headlight-steering mechanism. C. H. Quarles and G. W. Savin. No. 1,221,905; Apr. 10; v. 237; p. 348.
- Headlight-steering mechanism. C. E. Stromquist. No. 1,240,509; Sept. 18; v. 242; p. 632.
- Headlight-support, Rotatable. R. G. Pilkington. No. 1,236,601; Aug. 14; v. 241; p. 376.
- Headlight, Tilting. C. V. Dean. No. 1,212,191; Jan. 16; v. 234; p. 686.
- Headlight-tilting mechanism. J. C. Annin. No. 1,246,377; Nov. 13; v. 244; p. 400.
- Headlight, Vehicle-. C. McKeever. No. 1,251,457; Dec. 25; v. 245; p. 1005.
- Headlights and the like, Control for dirigible. G. W. Beach and C. Von Culin. No. 1,234,265; July 24; v. 240; p. 998.
- Headlights, Antiglare means for. A. C. Davis and D. L. Primrose. No. 1,217,420; Feb. 27; v. 235; p. 1159.
- Headlights, Dimming-lens for. U. G. Cassady. No. 1,230,670; June 19; v. 239; p. 853.
- Headlights, Electromagnetic shift for. H. S. Gove. No. 1,233,341; July 17; v. 240; p. 661.
- Headlights, Focusing apparatus for. J. Chidley. No. 1,227,528; May 22; v. 238; p. 1294.
- Headlights, Glass-holder for. R. Black. No. 1,240,299; Sept. 18; v. 242; p. 567.
- Headlights, Means for automatically regulating automobile-. L. T. Rhoades. No. 1,241,284; Sept. 25; v. 242; p. 909.
- Headlights, Refracting cover-glass for automobile-. H. P. Gage and E. Pasucci. No. 1,243,399; Oct. 16; v. 243; p. 682.
- Headlights, Tilttable mounting for automobile-. J. S. Spirewfk, Jr. No. 1,230,939; June 26; v. 239; p. 981.
- Headlights, Universal direction control for vehicle-. R. Lytle. No. 1,230,422; June 19; v. 239; p. 769.
- Headway-recorder. C. D. Buchanan and C. C. Johnson. No. 1,229,878; June 12; v. 239; p. 555.
- Headwear, Self-fitting and ventilating device for. W. C. Bensley. No. 1,235,002; July 31; v. 240; p. 1266.
- Hearing aid. C. E. Williams. No. 1,219,411; Mar. 13; v. 236; p. 566.
- Hearing, Apparatus for reeducating and improving. A. Maurice. No. 1,227,476; May 22; v. 238; p. 1276.
- Hearing, Device for aiding the. E. W. Schneider. No. 1,219,671; Mar. 20; v. 236; p. 687.
- Hearse, Casket-holding means for. W. H. Pfeiffer. No. 1,227,656; May 29; v. 238; p. 1366.
- Hearse, Flower-supporting device for. H. A. Yeider. No. 1,251,163; Dec. 25; v. 245; p. 920.
- Heat-absorbing device. J. C. Kitton. No. 1,246,279; Nov. 13; v. 244; p. 370.
- Heat-accumulator. L. Maurice. No. 1,251,262; Dec. 25; v. 245; p. 948.
- Heat and moisture generator, Combined. J. L. Walter, Jr. No. 1,240,108; Sept. 11; v. 242; p. 467.
- Heat and steam generator, Combined. H. V. Clutter. No. 1,243,812; Oct. 23; v. 243; p. 845.
- Heat-distributor. J. P. Rice. No. 1,236,360; Aug. 7; v. 241; p. 264.
- Heat-economizing apparatus. F. S. Boltz. No. 1,226,299; May 15; v. 238; p. 849.
- Heat energy, Apparatus for utilizing. H. A. Humphrey. No. 1,228,444; June 5; v. 239; p. 24.
- Heat energy from combustible substances, Securing. R. G. Finlay. No. 1,213,470; Jan. 23; v. 234; p. 1170.
- Heat-engine. A. T. Kasley. No. 1,231,376; June 26; v. 239; p. 1129.
- Heat-engine. H. A. Lefevre. No. 1,234,184; July 24; v. 240; p. 972.
- Heat for the production of power, Employing. S. M. Lillie. No. 1,230,417; June 19; v. 239; p. 767.
- Heat, Generating. W. Thomas and A. E. Mainwaring. No. 1,221,627; Apr. 3; v. 237; p. 218.
- Heat-indicator. H. M. Bobo and H. C. Harrington. No. 1,240,813; Sept. 25; v. 242; p. 758.
- Heat-insulated chambers, Door construction for. J. Jackson. No. 1,234,669; July 24; v. 240; p. 1127.
- Heat-insulating board composed of cereal straw. J. E. Lappen. No. 1,225,443; May 8; v. 238; p. 514.
- Heat-insulating compound. N. Ito. No. 1,245,723; Nov. 6; v. 244; p. 176.
- Heat-insulating covering. C. R. Manville. No. 1,218,679; Mar. 13; v. 236; p. 811.
- Heat-insulating material and making same. C. E. Hite. No. 1,230,297; June 19; v. 239; p. 730.
- Heat-insulating material and producing the same. H. S. Ashenburt. No. 1,230,085; June 12; v. 239; p. 621.
- Heat-insulating structure. T. R. Beggs. No. 1,238,737; Sept. 4; v. 242; p. 5.
- Heat-insulating unit. G. H. Ellis. No. 1,228,763; June 5; v. 239; p. 133.
- Heat-insulating unit. G. H. Ellis. No. 1,236,694; Aug. 14; v. 241; p. 408.
- Heat-insulating unit. J. C. Lohse. No. 1,240,462; Sept. 18; v. 242; p. 618.
- Heat-interchanging apparatus. L. D. Lovekin. No. 1,235,908; Aug. 7; v. 241; p. 124.
- Heat of a liquid into motive force, Converting steam. K. Löwenstein. No. 1,219,970; Mar. 20; v. 236; p. 791.
- Heat, Producing. W. A. Bone, J. W. Wilson, and C. D. McCourt. No. 1,223,249; Apr. 17; v. 237; p. 854.
- Heat, Producing. C. Ellis. No. 1,239,776; Sept. 11; v. 242; p. 365.
- Heat ratios, Determining. I. H. Wilsey. No. 1,238,468; Aug. 28; v. 241; p. 1049.
- Heat-regulator. L. H. Harlow. No. 1,239,594; Sept. 11; v. 242; p. 307.
- Heat-resisting structural material and making same. J. Slattery. No. 1,216,727; Feb. 13; v. 235; p. 473.
- Heat-saving means. D. R. McGinnis. No. 1,214,047; Jan. 30; v. 234; p. 1398.
- Heat-treating apparatus, Continuous. T. F. Baily and F. T. Cope. No. 1,234,257; July 24; v. 240; p. 996.
- Heat-treating furnace. T. F. Baily and F. T. Cope. No. 1,227,027; May 22; v. 238; p. 1128.
- Heat units, Forming electrical. R. W. Davenport. No. 1,219,629; Mar. 20; v. 236; p. 672.
- Heater: See—
- Air-heater.
 - Automobile-heater.
 - Automobile and the like heater.
 - Banana-heater.
 - Bath-cabinet heater.
 - Bath-tub heater.
 - Blast-heater.
 - Boiler-heater.
 - Brooder-heater.
 - Car-heater.
 - Chemical heater.
 - Chocolate-heater.
 - Electric heater.
 - Electric-iron heater.
 - Electrical heater.
 - Engine-intake heater.
 - Feed-water heater.
 - Fireplace-heater.
 - Floor-heater.
 - Fluid-heater.
 - Fuel-heater.
 - Gas-heater.
 - Grove-heater.
 - Hot-water heater.
 - Incubator-heater.
 - Lamp-heater.
 - Liquid-heater.
 - Liquid-fuel heater.
 - Oil-heater.
 - Oil-burning heater.
 - Orchard-heater.
 - Portable heater.
 - Printing-press heater.
 - Radiator-heater.
 - Sad-iron heater.
 - Safety-heater.
 - Shoe-toe heater.

Alphabetical list of inventions—Continued.

Heater: *See*—Continued.

Solar heater.
Stock-tank heater.
Submerged heater.
Tank-heater.
Vehicle-heater.

Heater. E. G. Ballenger. No. 1,237,858; Aug. 21; v. 241; p. 818.
Heater. R. F. Beutlich and F. Sochurek, Jr. No. 1,232,885; July 10; v. 240; p. 480.
Heater. F. R. Butters. No. 1,234,283; July 24; v. 240; p. 1004.
Heater. R. De Polo. No. 1,245,885; Nov. 6; v. 244; p. 225.
Heater. H. S. Dodd. No. 1,226,868; May 22; v. 238; p. 1073.
Heater. A. J. Fisher. No. 1,244,971; Oct. 30; v. 243; p. 1233.
Heater. C. W. Hopes. No. 1,216,122; Feb. 13; v. 235; p. 615.
Heater. A. Langevin. No. 1,215,555; Feb. 13; v. 235; p. 410.
Heater. J. A. Lesperance. No. 1,251,060; Dec. 25; v. 245; p. 889.
Heater. S. J. Lukaszewski. No. 1,220,655; Mar. 27; v. 236; p. 1069.
Heater. S. J. Lukaszewski. No. 1,249,644; Dec. 11; v. 245; p. 381.
Heater. M. G. Ray. No. 1,213,013; Jan. 16; v. 234; p. 978.
Heater. G. F. Schmidt. No. 1,216,848; Feb. 20; v. 235; p. 919.
Heater. F. D. Schneider. No. 1,232,435; July 3; v. 240; p. 297.
Heater. J. H. Schulze. No. 1,232,723; July 10; v. 240; p. 427.
Heater and radiator. R. W. Hardie. No. 1,227,263; May 22; v. 238; p. 1208.
Heater construction. F. D. Schneider. No. 1,246,332; Nov. 13; v. 244; p. 386.
Heater-wire and making same. Sheathed. R. H. Read. No. 1,233,808; July 17; v. 240; p. 815.
Heaters. Door-mounting for. J. R. Gammeter. No. 1,226,766; May 22; v. 238; p. 1039.
Heaters. Moistener-tank for. A. L. Frankeberger. No. 1,222,380; Apr. 10; v. 237; p. 514.
Heating and cooking apparatus. Combined. F. Shearer. No. 1,236,990; Aug. 14; v. 241; p. 504.
Heating and sprinkler system. Combined. W. B. Hammond. No. 1,229,071; June 5; v. 239; p. 233.
Heating and ventilating apparatus. J. K. Norstrom and G. C. Breidert. No. 1,232,598; July 10; v. 240; p. 384.
Heating apparatus. E. M. Bassler. No. 1,226,298; May 15; v. 238; p. 849.
Heating apparatus. L. Bond. No. 1,224,061; Apr. 24; v. 237; p. 1171.
Heating apparatus. J. Good. No. 1,250,160; Dec. 18; v. 245; p. 571.
Heating apparatus. F. B. Howell. No. 1,239,430; Sept. 4; v. 242; p. 226.
Heating apparatus. J. E. McGinness. No. 1,218,880; Mar. 13; v. 236; p. 386.
Heating apparatus. H. W. O'Dowd. No. 1,224,497; May 1; v. 238; p. 137.
Heating apparatus and making the same. Electrical. S. Trood. No. 1,234,973; July 31; v. 240; p. 1258.
Heating apparatus. Electric. A. R. Braden. No. 1,210,591; Jan. 2; v. 234; p. 73.
Heating apparatus. Electric. F. Thornton, Jr. No. 1,241,578; Oct. 2; v. 243; p. 36.
Heating apparatus. Gas. J. Wollant. No. 1,225,693; May 8; v. 238; p. 596.
Heating apparatus. Hot-water. J. W. Revy. No. 1,234,694; July 24; v. 240; p. 1135.
Heating apparatus. Register for hot-air. A. H. Power. No. 1,245,123; Oct. 30; v. 243; p. 1278.
Heating apparatus. Steam-. E. L. Davis. No. 1,212,611; Jan. 16; v. 234; p. 837.
Heating apparatus. Steam-. H. A. Durr. No. 1,229,917; June 12; v. 239; p. 567.
Heating apparatus. Steam-. J. L. Fitts. No. 1,210,784; Jan. 2; v. 234; p. 140.
Heating apparatus. Thermostatic controller for. H. D. O'Neill. No. 1,217,049; Feb. 20; v. 230; p. 987.
Heating apparatus using liquid fuel. H. Brown. No. 1,217,698; Feb. 27; v. 235; p. 1259.
Heating boiler. Steam-. W. S. Jackson. No. 1,236,306; Aug. 7; v. 241; p. 248.
Heating-coil disk. M. Murphy. No. 1,234,196; July 24; v. 240; p. 976.
Heating coiled materials. W. B. Peirce. No. 1,243,444; Oct. 16; v. 243; p. 696.
Heating device. R. W. Fink. No. 1,236,416; Aug. 14; v. 241; p. 316.
Heating device. H. T. and H. H. Hipwell. No. 1,236,082; Aug. 7; v. 241; p. 178.
Heating device. P. S. Martin. No. 1,236,731; Aug. 14; v. 241; p. 421.
Heating device. C. M. Taylor and W. R. Shearer. No. 1,241,167; Sept. 25; v. 242; p. 868.
Heating device. Device for controlling supply of heat to an auxiliary. G. E. Lee. No. 1,228,794; June 5; v. 239; p. 143.

Heating device. Electric. T. Abtmeyer and F. Thornton, Jr. No. 1,236,642; Aug. 14; v. 241; p. 390.
Heating device. Electric. F. C. E. Burnett and E. J. Bruning. No. 1,234,280; July 24; v. 240; p. 1003.
Heating device. Electric. J. A. Heany. No. 1,245,459; Nov. 6; v. 244; p. 95.
Heating device. Electric. L. F. Parkhurst. No. 1,220,781; Mar. 27; v. 236; p. 1110.
Heating device. Electric. L. F. Parkhurst. No. 1,229,128; June 5; v. 239; p. 254.
Heating device. Household. Z. Ferlin. No. 1,222,578; Apr. 10; v. 237; p. 586.
Heating device. Regulated fuel-. J. A. Williams. No. 1,212,595; Jan. 16; v. 234; p. 831.
Heating-drum. G. J. Knaack and C. J. Marquardt. No. 1,213,212; Jan. 23; v. 234; p. 1079.
Heating element. Electric. G. B. Jones. No. 1,234,670; July 24; v. 240; p. 1128.
Heating-furnace. L. E. Russell. No. 1,215,199; Feb. 6; v. 235; p. 250.
Heating furnace. Coil-. W. B. Peirce. No. 1,243,442; Oct. 16; v. 243; p. 695.
Heating furnace. Coil-. W. B. Peirce. No. 1,243,443; Oct. 16; v. 243; p. 695.
Heating furnace. Electric house-. A. C. Fingerle. No. 1,216,101; Feb. 13; v. 235; p. 608.
Heating furnace. Steel-. W. R. Bennett. No. 1,244,578; Oct. 30; v. 243; p. 1114.
Heating. Method of. W. W. Kemp and W. H. Van Horn. No. 1,244,864; Oct. 30; v. 243; p. 1200.
Heating or annealing furnace. A. Smallwood. No. 1,226,266; May 15; v. 238; p. 838.
Heating-pad. Electric. H. E. Bloomer. No. 1,215,610; Feb. 13; v. 235; p. 432.
Heating-pad. Electric. N. E. Mann. (Reissue.) No. 1,242,86; Apr. 17; v. 237; p. 891.
Heating-pad for carbureters, &c. Electric. R. H. Humitsch. No. 1,236,440; Aug. 14; v. 241; p. 324.
Heating plant. D. Dréier. No. 1,235,126; July 31; v. 240; p. 1303.
Heating plant for incubators, &c., Removable. A. J. Vance. No. 1,245,829; Nov. 6; v. 244; p. 208.
Heating plant utilizing the waste heat of refrigerating-machines of the compression or absorption type. E. Altenkirch and B. Tenckhoff. No. 1,214,255; Jan. 30; v. 234; p. 1468.
Heating process and apparatus. H. L. Doherty. No. 1,222,741; Apr. 17; v. 237; p. 683.
Heating. Steam-. J. L. Fitts. No. 1,221,433; Apr. 3; v. 237; p. 152.
Heating structure. H. P. Elliott. No. 1,250,442; Dec. 18; v. 245; p. 656.
Heating system. G. W. Coleman. No. 1,239,564; Sept. 11; v. 242; p. 297.
Heating system. J. T. Collins. No. 1,231,850; July 3; v. 240; p. 106.
Heating system. T. H. Garland. No. 1,243,154; Oct. 16; v. 243; p. 609.
Heating system. L. Millis. No. 1,245,488; Nov. 6; v. 244; p. 103.
Heating system. W. T. Mixsell. No. 1,239,805; Sept. 11; v. 242; p. 375.
Heating system. A. G. Paul. No. 1,237,253; Aug. 14; v. 241; p. 586.
Heating system. R. S. Porter. No. 1,226,694; May 22; v. 238; p. 1013.
Heating system. G. Q. Riley. No. 1,245,028; Oct. 30; v. 243; p. 1249.
Heating system. C. H. Taylor. No. 1,235,508; July 31; v. 240; p. 1417.
Heating system. Automatic. A. P. Broomell. No. 1,236,257; Aug. 7; v. 241; p. 234.
Heating system. Automatic. E. H. Gold. No. 1,219,546; Mar. 20; v. 236; p. 644.
Heating-system controller. F. T. Kitchen. No. 1,214,323; Jan. 30; v. 234; p. 1494.
Heating system for automobiles, &c. C. W. Barnett. No. 1,247,783; Nov. 27; v. 244; p. 880.
Heating system for use in automobile-garages. J. Q. Lovell. No. 1,234,049; July 17; v. 240; p. 892.
Heating system. Hot-water. A. M. Gow. No. 1,241,208; Sept. 25; v. 242; p. 881.
Heating system. Hot-water. E. R. Pruitt. No. 1,249,824; Dec. 11; v. 245; p. 435.
Heating system. Hot-water. A. H. Thompson. No. 1,246,681; Nov. 13; v. 244; p. 490.
Heating system. Interchangeable. E. H. Gold. No. 1,219,547; Mar. 20; v. 236; p. 644.
Heating-system regulator. C. E. Anderson. No. 1,243,475; Oct. 16; v. 243; p. 704.
Heating system. Steam-. J. B. Dobson. No. 1,212,749; Jan. 16; v. 234; p. 887.
Heating system. Steam-. E. H. Gold and E. W. Rietz. No. 1,241,620; Oct. 2; v. 243; p. 50.
Heating system. Steam-. C. C. Nuckols. No. 1,247,711; Nov. 27; v. 244; p. 857.
Heating system. Vapor-. L. P. Hynes. No. 1,245,233; Nov. 6; v. 244; p. 28.
Heating system. Vapor-. R. Martin. No. 1,224,559; May 1; v. 238; p. 159.
Heating systems. Air-exhaust for. A. P. Crosby. No. 1,217,281; Feb. 27; v. 235; p. 1111.

- Heating systems, Appliance for hot-water. E. W. Evans. No. 1,247,097; Nov. 20; v. 244; p. 648.
- Heating systems, Attachment for vapor-. W. M. Manning and O. B. Ganson. No. 1,223,190; Apr. 17; v. 237; p. 838.
- Heating systems, Regulator for hot-water. O. J. Kuenhold. No. 1,233,885; July 17; v. 240; p. 840.
- Heating systems, Temperature-booster for hot-water. W. E. Clark. No. 1,213,460; Jan. 23; v. 234; p. 1167.
- Heating unit. W. H. Dalton. No. 1,232,660; July 10; v. 240; p. 405.
- Heating unit and making same, Electric. W. A. Carter and S. Crocker. No. 1,233,183; July 10; v. 240; p. 577.
- Heating unit and manufacturing same, Electric. R. W. Davis, Jr. No. 1,211,102; Jan. 2; v. 234; p. 249.
- Heating unit, Electric. R. E. Frickey. No. 1,238,124; Aug. 28; v. 241; p. 936.
- Heating unit, Electric. L. F. Parkhurst. No. 1,240,771; Sept. 18; v. 242; p. 712.
- Heating unit, Electrical. R. Kuhn and A. Oakes. No. 1,222,001; Apr. 10; v. 237; p. 381.
- Heating unit, Electrical. F. Kuhn and F. E. Shailor. No. 1,225,826; May 15; v. 238; p. 684.
- Heating unit, Electrical. F. Kuhn and F. E. Shailor. No. 1,225,827; May 15; v. 238; p. 685.
- Heating unit, Electrical. F. Kuhn and G. A. Hand. No. 1,247,286; Nov. 20; v. 244; p. 702.
- Heating unit, Electrical. L. R. White. No. 1,237,592; Aug. 21; v. 241; p. 734.
- Heating water and other liquids, Apparatus for. A. C. Ionides, Jr. No. 1,239,398; Sept. 4; v. 242; p. 216.
- Heaving-plug. E. B. Noble. No. 1,212,664; Jan. 16; v. 234; p. 857.
- Heddle. E. F. Hathaway. No. 1,246,002; Nov. 6; v. 244; p. 256.
- Heddle. W. Pickard. No. 1,235,376; July 31; v. 240; p. 1378.
- Heel. D. L. Burnell and L. J. Eberle. No. 1,246,870; Nov. 20; v. 244; p. 582.
- Heel. I. Gilbert. No. 1,232,790; July 10; v. 240; p. 449.
- Heel and heel-seat construction. R. B. Puckett and H. R. Abbott. No. 1,231,789; July 3; v. 240; p. 85.
- Heel and the like, Resilient. A. F. Priest. No. 1,231,296; June 26; v. 239; p. 1102.
- Heel-applying apparatus. J. E. Perrault and H. G. Ellis. No. 1,228,964; June 5; v. 239; p. 199.
- Heel, Arch-support. A. Pruver. No. 1,249,667; Dec. 11; v. 245; p. 388.
- Heel-blanks, Machine for slicing and gouging. D. Parks. No. 1,212,807; Jan. 16; v. 234; p. 906.
- Heel-brast-scouring machine. L. G. Freeman. No. 1,244,310; Oct. 23; v. 243; p. 995.
- Heel-breasting machine. W. H. Albee. No. 1,214,871; Feb. 6; v. 235; p. 135.
- Heel-breasting machine. J. H. Richardson. No. 1,236,763; Aug. 14; v. 241; p. 432.
- Heel-breasting mechanism. A. A. McIntyre. No. 1,237,925; Aug. 21; v. 241; p. 838.
- Heel-building machine. A. A. Hudson. (Reissue.) No. 1,436,8; Sept. 25; v. 242; p. 971.
- Heel-building machine. J. E. Mitchell and D. Parks. No. 1,228,948; June 5; v. 239; p. 193.
- Heel-building machine. J. H. Rigby. No. 1,249,502; Dec. 11; v. 245; p. 341.
- Heel-building machines, Lift-centering mechanism for. J. E. Mitchell. No. 1,217,201; Feb. 27; v. 235; p. 1084.
- Heel-building machines, Lift holding and delivering device for. J. E. Mitchell. No. 1,219,657; Mar. 20; v. 236; p. 683.
- Heel-calk. O. B. Hanson. No. 1,215,368; Feb. 13; v. 235; p. 342.
- Heel-clamping device. A. J. Thomas. No. 1,251,134; Dec. 25; v. 245; p. 910.
- Heel, Composite. C. B. Mansbach. No. 1,220,660; Mar. 27; v. 236; p. 1071.
- Heel, Composite. C. B. Mansbach. No. 1,241,643; Oct. 2; v. 243; p. 57.
- Heel-compressing machine. W. P. Mills. No. 1,246,299; Nov. 13; v. 244; p. 376.
- Heel-compressing machines, Blank-feed mechanism for. M. T. Denne. No. 1,238,391; Aug. 28; v. 241; p. 1024.
- Heel, Cushion pneumatic. O. Mussinan. No. 1,231,777; July 3; v. 240; p. 80.
- Heel-cutter. J. Vertunni. No. 1,213,560; Jan. 23; v. 234; p. 1201.
- Heel-cutting apparatus. W. J. Nesbitt. No. 1,218,301; Mar. 6; v. 236; p. 146.
- Heel-cutting apparatus. W. J. Nesbitt. No. 1,218,302; Mar. 6; v. 236; p. 146.
- Heel-cutting apparatus. W. J. Nesbitt. No. 1,218,303; Mar. 6; v. 236; p. 146.
- Heel-cutting apparatus. W. J. Nesbitt. No. 1,218,304; Mar. 6; v. 236; p. 147.
- Heel-cutting apparatus. W. J. Nesbitt. No. 1,218,305; Mar. 6; v. 236; p. 147.
- Heel-cutting apparatus. W. J. Nesbitt. No. 1,239,208; Sept. 4; v. 242; p. 156.
- Heel-cutting apparatus. W. J. Nesbitt. No. 1,239,209; Sept. 4; v. 242; p. 156.
- Heel-cutting apparatus. W. J. Nesbitt. No. 1,239,210; Sept. 4; v. 242; p. 157.
- Heel-cutting apparatus. W. J. Nesbitt. No. 1,245,495; Nov. 6; v. 244; p. 105.
- Heel-cutting apparatus. W. J. Nesbitt. No. 1,245,496; Nov. 6; v. 244; p. 105.
- Heel-cutting apparatus. W. J. Nesbitt. No. 1,250,488; Dec. 18; v. 245; p. 669.
- Heel-cutting apparatus. W. J. Nesbitt. No. 1,250,489; Dec. 18; v. 245; p. 670.
- Heel-cutting apparatus. F. J. Ribble. No. 1,243,627; Oct. 16; v. 243; p. 751.
- Heel-cutting apparatus, Adjustable grip for. P. Bammer. No. 1,249,884; Dec. 11; v. 245; p. 453.
- Heel-cutting machine. S. C. and C. T. Peigler. No. 1,229,130; June 5; v. 239; p. 254.
- Heel, Detachable. G. E. Gilbert. No. 1,237,893; Aug. 21; v. 241; p. 828.
- Heel, Detachable. C. P. Maher. No. 1,231,767; July 3; v. 240; p. 77.
- Heel, Detachable. S. Milano. No. 1,212,796; Jan. 16; v. 234; p. 903.
- Heel, Detachable shoe. F. M. Thomson. No. 1,215,080; Feb. 6; v. 235; p. 210.
- Heel-fastener. O. A. Kimber. No. 1,235,324; July 31; v. 240; p. 1363.
- Heel for boots and shoes. S. Szücs. No. 1,233,725; July 17; v. 240; p. 789.
- Heel for boots and shoes, Cushion-. M. Rieckmann. No. 1,231,299; June 26; v. 239; p. 1103.
- Heel for boots and shoes, Detachable. M. Popovich. No. 1,230,775; June 19; v. 239; p. 888.
- Heel for boots or shoes, Resilient. A. L. Runyan. No. 1,227,493; May 22; v. 238; p. 1281.
- Heel for shoes. L. Gold. No. 1,232,677; July 10; v. 240; p. 411.
- Heel for shoes. P. Ruggiero. No. 1,227,202; May 22; v. 238; p. 1188.
- Heel-grooving machine, Wood-. C. R. Sanders. No. 1,213,271; Jan. 23; v. 234; p. 1100.
- Heel-lift-assembling machine. E. L. Page. No. 1,223,728; Apr. 24; v. 237; p. 1056.
- Heel-lifts, Machine for sorting. E. E. Winkley. No. 1,234,433; July 24; v. 240; p. 1055.
- Heel-lifts, Machine for sorting. E. E. Winkley. No. 1,234,434; July 24; v. 240; p. 1055.
- Heel, Metallic. H. Varwig. No. 1,246,505; Nov. 13; v. 244; p. 438.
- Heel-pad for boots and shoes, Cushioned. J. A. Adams. No. 1,211,806; Jan. 9; v. 234; p. 524.
- Heel-pricking machine. J. H. Pope. No. 1,234,384; July 24; v. 240; p. 1037.
- Heel, Removable shoe. J. Sztari. No. 1,234,508; July 24; v. 240; p. 1078.
- Heel-removing machine. P. Bruner. No. 1,226,460; May 15; v. 238; p. 899.
- Heel, Rubber. M. Costa. No. 1,235,013; July 31; v. 240; p. 1270.
- Heel, Rubber. E. J. Emery. No. 1,232,518; July 10; v. 240; p. 360.
- Heel, Rubber. E. J. Hooper. No. 1,236,174; Aug. 7; v. 241; p. 207.
- Heel, Rubber. F. A. Nolan. No. 1,219,991; Mar. 20; v. 236; p. 798.
- Heel screw or protector for footwear. A. Craig. No. 1,240,680; Sept. 18; v. 242; p. 684.
- Heel-seat-nailing machine. F. R. Glass. No. 1,246,906; Nov. 20; v. 244; p. 594.
- Heel-seat wheeling and heating-up machine. D. Mattioli. No. 1,220,437; Mar. 27; v. 236; p. 994.
- Heel-section, Detachable. L. Hain. No. 1,219,551; Mar. 20; v. 236; p. 646.
- Heel section or lift, Resilient shoe. G. H. Lewis. No. 1,222,639; Apr. 17; v. 237; p. 648.
- Heel section or lift, Shoe. G. H. Lewis. No. 1,242,213; Oct. 9; v. 243; p. 777.
- Heel-setting clamp. G. W. Julow, D. E. Spathelf, and E. Sehl. No. 1,245,732; Nov. 6; v. 244; p. 178.
- Heel, Shoe. W. Felstead. No. 1,250,828; Dec. 18; v. 245; p. 771.
- Heel, Shoe. J. Plant. No. 1,233,504; July 17; v. 240; p. 717.
- Heel, Spring. A. S. Gay. No. 1,218,391; Mar. 6; v. 236; p. 175.
- Heel, Spring. A. S. Gay. No. 1,218,392; Mar. 6; v. 236; p. 175.
- Heel-support. E. Mueller and O. Fischl. No. 1,242,363; Oct. 9; v. 243; p. 323.
- Heel-sweep brace. H. J. Goodlett. No. 1,241,958; Oct. 2; v. 243; p. 155.
- Heel-trimming machine. F. D. Harris. No. 1,222,623; Apr. 17; v. 237; p. 641.
- Heel-trimming machine. E. E. Winkley. No. 1,248,971; Dec. 4; v. 245; p. 158.
- Heel-turning machine, Wood-. H. W. Russ. No. 1,247,335; Nov. 20; v. 244; p. 715.
- Heels, Attaching wooden or Louis. G. C. Hauser and J. H. Dolan. No. 1,213,191; Jan. 23; v. 234; p. 1072.
- Heels, Die and press for attaching wood. M. Isaacson. No. 1,216,999; Feb. 20; v. 235; p. 971.
- Heels for boots and shoes and the like, Machine for making. J. G. Pool. No. 1,238,815; Sept. 4; v. 242; p. 30.
- Heels for boots and shoes and the like, Machine for making wooden. J. G. Pool. No. 1,238,814; Sept. 4; v. 242; p. 30.
- Heels, Means for attaching. A. J. Wills. No. 1,227,722; May 29; v. 238; p. 1389.

- Heels of boots and shoes, Machine for wax-finishing the edges of the. C. A. Matson and A. M. Hoyt. No. 1,211,866; Jan. 9; v. 234; p. 546.
- Heels, Wear-plate for shoe. J. H. Cooper. No. 1,227,392; May 22; v. 238; p. 1249.
- Helical retarding element. J. E. Fulweiler. No. 1,246,583; Nov. 13; v. 244; p. 463.
- Helmet. L. D. Mahan. No. 1,231,766; July 3; v. 240; p. 77.
- Helmet for aviators. J. L. Spence. No. 1,235,851; Aug. 7; v. 241; p. 105.
- Helmet-hood. G. O. Sanborn. No. 1,235,927; Aug. 7; v. 241; p. 131.
- Helmet, Protective. C. L. Stocks. No. 1,244,559; Oct. 30; v. 243; p. 1108.
- Hem and tuck gage for skirts. S. J. Wisner. No. 1,247,476; Nov. 20; v. 244; p. 756.
- Hem-gage, Dressmaker's. L. Mingers. No. 1,244,355; Oct. 23; v. 243; p. 1007.
- Hemmer, Machine. H. P. White. No. 1,218,732; Mar. 13; v. 236; p. 331.
- Hemp-brake. J. W. Crain. No. 1,213,750; Jan. 23; v. 234; p. 1264.
- Hemp-brake. J. S. and A. W. Holtzclaw. No. 1,215,936; Feb. 13; v. 235; p. 548.
- Hemp-brake. J. S. and A. W. Holtzclaw. (Reissue.) No. 1,432,23; June 26; v. 239; p. 1186.
- Hemp-brake. C. Skinner. No. 1,242,379; Oct. 9; v. 243; p. 329.
- Hemp-brake. R. S. Webb, Jr. No. 1,211,986; Jan. 9; v. 234; p. 590.
- Hemp-stalks, Exsiccating unretted. C. Colahan. No. 1,233,449; July 17; v. 240; p. 699.
- Hens, Antiset for. A. B. Smith. No. 1,213,964; Jan. 30; v. 234; p. 1369.
- Hens from setting, Device for preventing. A. M. Larowe. No. 1,234,778; July 31; v. 240; p. 1196.
- Hens from setting, Device for preventing. E. J. Shaut. No. 1,218,905; Mar. 13; v. 236; p. 394.
- Hernia-support. W. Butterly. No. 1,230,665; June 19; v. 239; p. 852.
- Herring-box, Sheet-metal. C. Ross. No. 1,239,223; Sept. 4; v. 242; p. 162.
- Hertzian lighthouse, Method and apparatus for determining the direction of a. A. Blondel. No. 1,218,237; Mar. 6; v. 236; p. 123.
- Hickey. L. McCarthy. No. 1,215,562; Feb. 13; v. 235; p. 414.
- Hide and leather working machines, Pneumatic bed for. H. A. Holder. No. 1,211,846; Jan. 9; v. 234; p. 539.
- Hide-working machine. C. J. Glasel. No. 1,227,779; May 29; v. 238; p. 1409.
- Hide-working machine. R. F. Whitney. No. 1,238,235; Aug. 28; v. 241; p. 973.
- Hides or leather in bulk, Machine for handling. C. Ruhe. No. 1,210,700; Jan. 2; v. 234; p. 112.
- High chair. F. W. Herman, Jr. No. 1,238,767; Sept. 4; v. 242; p. 14.
- High chair, Collapsible. A. C. Settan. No. 1,232,985; July 10; v. 240; p. 512.
- High-potential polyphase and direct electric currents and transmitting power, Interconverting. C. G. Koppitz. No. 1,245,356; Nov. 6; v. 244; p. 64.
- High-potential switch. G. E. Palmer. No. 1,236,379; Aug. 7; v. 241; p. 270.
- High-tension line-switch. E. A. Muckey. No. 1,246,303; Nov. 13; v. 244; p. 377.
- High-tension rectifying apparatus. H. C. Snook. No. 1,251,126; Dec. 25; v. 245; p. 908.
- High-tension switch. E. Weissberg. No. 1,225,901; May 15; v. 238; p. 709.
- Hinge. J. L. Harris. No. 1,221,987; Apr. 10; v. 237; p. 376.
- Hinge. R. W. Hubbard. No. 1,228,441; June 5; v. 239; p. 22.
- Hinge. P. C. James. No. 1,216,573; Feb. 20; v. 235; p. 827.
- Hinge. P. C. James. No. 1,222,294; Apr. 10; v. 237; p. 483.
- Hinge. J. M. Karl. No. 1,217,607; Feb. 27; v. 235; p. 1227.
- Hinge. N. O. Kenniker. No. 1,243,950; Oct. 23; v. 243; p. 886.
- Hinge. A. C. Lutter. No. 1,223,187; Apr. 17; v. 237; p. 837.
- Hinge. C. McCulley. No. 1,220,356; Mar. 27; v. 236; p. 966.
- Hinge. U. G. McQueen. No. 1,230,743; June 19; v. 239; p. 877.
- Hinge. J. E. Raber. No. 1,213,538; Jan. 23; v. 234; p. 1194.
- Hinge. M. C. Ryan. No. 1,248,407; Nov. 27; v. 244; p. 1053.
- Hinge. R. C. Schell. No. 1,249,516; Dec. 11; v. 245; p. 845.
- Hinge. C. J. Soss. No. 1,228,981; June 5; v. 239; p. 204.
- Hinge. J. Soss. No. 1,228,982; June 5; v. 239; p. 204.
- Hinge. G. V. Sutton. No. 1,224,036; Apr. 24; v. 237; p. 1162.
- Hinge. E. J. Sweetland. No. 1,237,838; Aug. 21; v. 241; p. 812.
- Hinge. A. J. Winder. No. 1,235,407; July 31; v. 240; p. 1387.
- Hinge, Adjustable. E. Planche. No. 1,218,696; Mar. 13; v. 236; p. 317.
- Hinge, Adjustable friction-. C. A. Lee. No. 1,211,186; Jan. 2; v. 234; p. 278.
- Hinge, Adjustable gate-. W. W. H. Schultz. No. 1,245,127; Oct. 30; v. 243; p. 1279.
- Hinge and check, Door. E. R. Gray. No. 1,236,289; Aug. 7; v. 241; p. 244.
- Hinge, Box-. W. E. Emory. No. 1,234,887; July 31; v. 240; p. 1228.
- Hinge, Butt-. H. Fleischer. No. 1,234,696; July 24; v. 240; p. 1135.
- Hinge, Checking-. E. Bommer. No. 1,241,083; Sept. 25; v. 242; p. 842.
- Hinge, Closet-seat. E. C. B. Judd. No. 1,221,060; Apr. 3; v. 237; p. 19.
- Hinge, Concealed. F. J. Fisher. No. 1,211,366; Jan. 2; v. 234; p. 337.
- Hinge, Concealed. O. M. Otte. No. 1,245,376; Nov. 6; v. 244; p. 69.
- Hinge, Concealed or invisible butt-. J. H. Way. No. 1,249,700; Dec. 11; v. 245; p. 398.
- Hinge, Concealed spring-. O. M. Otte. No. 1,249,815; Dec. 11; v. 245; p. 432.
- Hinge construction. G. W. Collins. No. 1,243,815; Oct. 23; v. 243; p. 846.
- Hinge construction. F. J. Mantel. No. 1,212,792; Jan. 16; v. 234; p. 902.
- Hinge construction for doors, &c., Concealed-. W. H. Collier. No. 1,221,684; Apr. 3; v. 237; p. 237.
- Hinge contrivance. M. Weber. No. 1,225,899; May 15; v. 238; p. 708.
- Hinge, Door-. D. L. Barber. No. 1,214,263; Jan. 30; v. 234; p. 1471.
- Hinge, Door-. O. G. Tweddell. No. 1,231,313; June 26; v. 239; p. 1108.
- Hinge, Door-checking. E. Bommer. No. 1,241,082; Sept. 25; v. 242; p. 842.
- Hinge, Door closer-. M. Brand. No. 1,214,748; Feb. 6; v. 235; p. 93.
- Hinge-fastening means. J. J. Bauer. No. 1,231,556; July 3; v. 240; p. 5.
- Hinge fitter, Door-. J. Johnson. No. 1,224,302; May 1; v. 238; p. 67.
- Hinge-fixture. J. W. Alexander. No. 1,243,575; Oct. 16; v. 243; p. 734.
- Hinge for boxes and the like. W. G. Kendall. No. 1,236,845; Aug. 14; v. 241; p. 457.
- Hinge for doors, Double-acting spring-. H. Francksen. No. 1,220,084; Mar. 20; v. 236; p. 831.
- Hinge for fire-doors. F. L. Saino. No. 1,228,481; June 5; v. 239; p. 36.
- Hinge for vanity-cases. W. G. Kendall. No. 1,225,439; May 8; v. 238; p. 512.
- Hinge for window-sashes, Pivot-. R. A. Gillies. No. 1,212,475; Jan. 16; v. 234; p. 788.
- Hinge, Gate-. A. D. Elliott. No. 1,230,285; June 19; v. 239; p. 726.
- Hinge, Gate-. C. R. Furgason. No. 1,235,789; Aug. 7; v. 241; p. 85.
- Hinge, Gate-. H. Kolkmeier. No. 1,232,048; July 3; v. 240; p. 173.
- Hinge, Gate-. A. Sundh. No. 1,237,836; Aug. 21; v. 241; p. 811.
- Hinge, Gravity-gate. J. A. Clements. No. 1,232,225; July 3; v. 240; p. 231.
- Hinge, Jamb spring-. O. Katzenberger. No. 1,242,700; Oct. 9; v. 243; p. 432.
- Hinge-joint, Water-tight. M. J. Philippsen. No. 1,247,715; Nov. 27; v. 244; p. 859.
- Hinge-lock. S. H. Gage. No. 1,226,324; May 15; v. 238; p. 857.
- Hinge-lock. W. A. Henderson. No. 1,248,854; Dec. 4; v. 245; p. 127.
- Hinge or casement-lift. U. G. McQueen. No. 1,223,063; Apr. 17; v. 237; p. 793.
- Hinge, Shutter-. J. G. Huot. No. 1,222,629; Apr. 17; v. 237; p. 644.
- Hinge, Silo-door. C. W. Voss. No. 1,215,593; Feb. 13; v. 235; p. 426.
- Hinge, Spring-. E. Bommer. No. 1,226,179; May 15; v. 238; p. 804.
- Hinge, Spring-. E. Bommer. No. 1,241,081; Sept. 25; v. 242; p. 841.
- Hinge, Spring-. E. Bommer. No. 1,241,085; Sept. 25; v. 242; p. 843.
- Hinge, Spring-. J. Boyd. No. 1,236,536; Aug. 14; v. 241; p. 356.
- Hinge, Spring-. O. Katzenberger. No. 1,245,733; Nov. 6; v. 244; p. 178.
- Hinge, Spring-. O. Katzenberger. No. 1,248,132; Nov. 27; v. 244; p. 976.
- Hinge, Swing-gate. J. K. Rochester. No. 1,216,169; Feb. 13; v. 235; p. 633.
- Hinge, Water-closet seat and cover. B. O. Tilden. No. 1,248,949; Dec. 4; v. 245; p. 152.
- Hinge, Water-closet seat and cover. B. O. Tilden. No. 1,251,448; Dec. 25; v. 245; p. 1003.
- Hinge-wiring machine. A. W. George. (Reissue.) No. 14,393; Nov. 13; v. 244; p. 536.
- Hinges for sheet-metal receptacles, Constructing lid-. G. W. Berry. No. 1,223,848; Apr. 24; v. 237; p. 1098.
- Hinges, Handle attachment for. V. J. Whitney. No. 1,232,415; July 3; v. 240; p. 291.

- Hitch. H. N. Clark. No. 1,237,616; Aug. 21; v. 241; p. 741.
- Hitch for vehicles. Horse-. F. Leszczewicz. No. 1,244,620; Oct. 30; v. 243; p. 1126.
- Hitching device. L. S. De Forest. No. 1,210,433; Jan. 2; v. 234; p. 19.
- Hobbing-cutter. O. G. Simmons. No. 1,241,040; Sept. 25; v. 242; p. 829.
- Hobble. J. R. Ferguson. No. 1,244,721; Oct. 30; v. 243; p. 1158.
- Hobble. W. Meyer, Jr. No. 1,244,628; Oct. 30; v. 243; p. 1128.
- Hobby-horse. I. C. Hicks and G. L. Summers. No. 1,241,975; Oct. 2; v. 243; p. 161.
- Hobs, Making. F. S. Shields. No. 1,239,047; Sept. 4; v. 242; p. 104.
- Hod-stand, Folding. F. W. Pfeifer. No. 1,213,409; Jan. 23; v. 234; p. 1148.
- Hoe. W. H. Haas. No. 1,240,199; Sept. 18; v. 242; p. 536.
- Hoe. J. T. Oakley. No. 1,244,765; Oct. 30; v. 243; p. 1170.
- Hoe. C. H. Williams. No. 1,225,386; May 8; v. 238; p. 494.
- Hoe and implement, Combination. G. D. Willard. No. 1,239,653; Sept. 11; v. 242; p. 325.
- Hoe for cultivating-machines. J. Tanczer. No. 1,227,090; May 22; v. 238; p. 1150.
- Hoe, Garden-. H. W. Gates. No. 1,235,790; Aug. 7; v. 241; p. 85.
- Hoe-holder. G. F. King. No. 1,237,209; Aug. 14; v. 241; p. 571.
- Hoe, Push-. E. L. Glover. No. 1,231,012; June 26; v. 239; p. 1007.
- Hoe, Wheel-. J. M. Hartman. No. 1,244,850; Oct. 30; v. 243; p. 1195.
- Hoeing-machine. O. F. Ullman. No. 1,228,992; June 5; v. 239; p. 208.
- Hog catcher and holder. T. J. Dawson. No. 1,236,549; Aug. 14; v. 241; p. 860.
- Hog catcher and holder. A. M. Johnson. No. 1,227,794; May 29; v. 238; p. 1414.
- Hog-cholera antitoxin, Treating. J. Reichel and H. Werner. No. 1,224,860; May 1; v. 238; p. 263.
- Hog dehairing and scraping machine. L. A. Kramer. No. 1,249,776; Dec. 11; v. 245; p. 421.
- Hog-door and gate. P. C. James. No. 1,217,770; Feb. 27; v. 235; p. 1283.
- Hog-holding machine. J. W. Corington. No. 1,234,733; July 31; v. 240; p. 1182.
- Hog ringing and castrating crate. E. Butts. No. 1,225,311; May 8; v. 238; p. 468.
- Hog scraping, dehairing, polishing, and cleaning machine. W. B. Allbright. No. 1,221,406; Apr. 3; v. 237; p. 143.
- Hog-scraping structure. R. E. Jordan. No. 1,232,448; July 3; v. 240; p. 301.
- Hog-trap. C. Higbee. No. 1,243,838; Oct. 23; v. 243; p. 853.
- Hog-trap. C. C. Watson. No. 1,227,712; May 29; v. 238; p. 1386.
- Hog-trough. C. A. Barnes. No. 1,234,117; July 24; v. 240; p. 950.
- Hog-trough. M. J. Hosch. No. 1,251,374; Dec. 25; v. 245; p. 981.
- Hog-trough. W. T. Patterson. No. 1,223,199; Apr. 17; v. 237; p. 840.
- Hog-trough, Self-serving. J. Q. Clarke. No. 1,234,731; July 31; v. 240; p. 1182.
- Holst. R. Burns, Jr. No. 1,234,622; July 24; v. 240; p. 1114.
- Holst. G. A. Jordan. No. 1,217,457; Feb. 27; v. 235; p. 1174.
- Holst. C. G. Palmer. No. 1,214,818; Feb. 6; v. 235; p. 116.
- Holst and conveyer, Combined. C. J. Scherrer. No. 1,215,874; Feb. 13; v. 235; p. 525.
- Holst and rack mechanism, Combined. H. Sawyer. No. 1,251,290; Dec. 25; v. 245; p. 956.
- Holst, Automobile-. A. C. Klemme. No. 1,233,793; July 17; v. 240; p. 810.
- Holst-block. C. E. Beard. No. 1,236,532; Aug. 14; v. 241; p. 354.
- Holst-block. C. E. Beard and W. G. Stephan. No. 1,214,745; Feb. 6; v. 235; p. 92.
- Holst, Electric. A. S. Watson. No. 1,238,466; Aug. 28; v. 241; p. 1048.
- Holst, Electrically-controlled. S. H. Libby. No. 1,229,984; June 12; v. 239; p. 588.
- Holst mechanism. C. F. Bledsoe. No. 1,231,234; June 26; v. 239; p. 1082.
- Holst, Package-. J. W. Flaherty. No. 1,229,433; June 12; v. 239; p. 406.
- Holst, Portable. E. C. Wingre. No. 1,214,104; Jan. 30; v. 234; p. 1417.
- Holst, Sheaf-. E. Eberly and W. G. Petrow. No. 1,213,604; Jan. 23; v. 234; p. 1217.
- Holst, Wire-. W. G. Jones. No. 1,233,244; July 10; v. 240; p. 594.
- Holsts, Control mechanism for power-. S. Stimmel. No. 1,245,522; Nov. 6; v. 244; p. 115.
- Holsts, Hand-chain gulde for-. E. Y. Moore. No. 1,245,492; Nov. 6; v. 244; p. 104.
- Holsts, Safety device for-. L. Riefstahl. No. 1,216,168; Feb. 13; v. 235; p. 632.
- Hoisting and conveying apparatus. C. A. Morris. No. 1,235,834; Aug. 7; v. 241; p. 100.
- Hoisting and conveying apparatus. W. Zetzman. No. 1,248,980; Dec. 4; v. 245; p. 160.
- Hoisting and dumping apparatus. C. E. Bathrick. No. 1,248,600; Dec. 4; v. 245; p. 52.
- Hoisting and lowering apparatus, Differential. L. Tabulo. No. 1,221,390; Apr. 3; v. 237; p. 136.
- Hoisting apparatus. H. B. Doherty. No. 1,244,301; Oct. 23; v. 243; p. 992.
- Hoisting apparatus. E. B. Hawkins. No. 1,234,332; July 24; v. 240; p. 1020.
- Hoisting apparatus. H. Helfenbein. No. 1,239,271; Sept. 4; v. 242; p. 178.
- Hoisting apparatus. A. E. Norris. No. 1,238,184; Aug. 28; v. 241; p. 956.
- Hoisting apparatus. J. F. O'Connor. No. 1,226,578; May 15; v. 238; p. 936.
- Hoisting apparatus. J. E. Stewart. No. 1,228,494; June 5; v. 239; p. 41.
- Hoisting-apparatus gearing. L. J. Black. No. 1,229,020; June 5; v. 239; p. 217.
- Hoisting apparatus, Operating mechanism for. H. Sawyer. No. 1,251,289; Dec. 25; v. 245; p. 956.
- Hoisting device. H. Ariens. No. 1,249,297; Dec. 11; v. 245; p. 283.
- Hoisting device. G. Capron. No. 1,237,297; Aug. 21; v. 241; p. 688.
- Hoisting device. A. W. Knutson. No. 1,239,110; Sept. 4; v. 242; p. 125.
- Hoisting-drum. H. F. Howard. No. 1,231,611; July 3; v. 240; p. 24.
- Hoisting-engine. A. Smith. No. 1,248,186; Nov. 27; v. 244; p. 992.
- Hoisting-hook. L. E. Lozier. No. 1,234,781; July 31; v. 240; p. 1197.
- Hoisting-jack for fly-wheels. F. F. Emory. No. 1,218,066; Mar. 6; v. 236; p. 62.
- Hoisting machinery. W. P. Rodecker. No. 1,238,570; Aug. 28; v. 241; p. 1082.
- Hoisting-machines, Limit-switch for. F. L. Stone. No. 1,242,260; Oct. 9; v. 243; p. 291.
- Hoisting means for use in silos. J. F. Catron and J. W. Wheeler. No. 1,238,985; Sept. 4; v. 242; p. 86.
- Hoisting mechanism. F. Beck. No. 1,247,067; Nov. 20; v. 244; p. 639.
- Hoisting mechanism. W. E. Boehck. No. 1,235,647; Aug. 7; v. 241; p. 38.
- Hoisting mechanism. W. B. Gervais. No. 1,237,323; Aug. 21; v. 241; p. 647.
- Hoisting mechanism. F. and C. E. Maris. No. 1,212,981; Jan. 16; v. 234; p. 967.
- Hoisting mechanism. J. B. Phillips. No. 1,216,604; Feb. 20; v. 235; p. 838.
- Hoisting mechanism. H. J. Schmick. No. 1,245,623; Nov. 6; v. 244; p. 146.
- Hoisting mechanism. J. S. Wylie. No. 1,210,748; Jan. 2; v. 234; p. 127.
- Holder. S. Anderson. No. 1,215,608; Feb. 13; v. 235; p. 432.
- Holder. J. Eden. No. 1,228,420; June 5; v. 239; p. 16.
- Holder. W. H. Shave and W. G. Wilson. No. 1,248,732; Dec. 4; v. 245; p. 91.
- Holder. R. H. Sietsema. No. 1,225,064; May 8; v. 238; p. 383.
- Holder and grip, Combination. J. McAdams. No. 1,213,517; Jan. 23; v. 234; p. 1186.
- Holder ring or frame. L. H. Trieschmann. No. 1,232,626; July 10; v. 240; p. 393.
- Holder, Spring-forked. F. H. Apel. No. 1,242,122; Oct. 9; v. 243; p. 249.
- Holding-clip, Resilient. O. M. Otte. No. 1,223,289; Apr. 17; v. 237; p. 867.
- Holding device. H. L. Pipp. No. 1,250,500; Dec. 18; v. 245; p. 672.
- Holdfast-nail. U. G. Sweeney. No. 1,247,178; Nov. 20; v. 244; p. 671.
- Hole-drilling apparatus. G. H. Gilman. No. 1,250,103; Dec. 11; v. 245; p. 515.
- Hole-measuring gage. C. E. Johansson. No. 1,217,313; Feb. 27; v. 235; p. 1122.
- Holing-bit. W. Say. No. 1,230,038; June 12; v. 239; p. 605.
- Hollow articles from their forms, Machine for stripping. W. A. Brubaker. No. 1,220,177; Mar. 27; v. 236; p. 902.
- Hollow articles, Manufacture, centrifugally, of. D. Moir and H. Buchanan. No. 1,223,602; Apr. 24; v. 237; p. 1011.
- Hollow-cast ball. G. R. Kittle. No. 1,215,662; Feb. 13; v. 235; p. 451.
- Hollow mill. O. Ebert. No. 1,227,533; May 22; v. 238; p. 1295.
- Hollow reinforced body. S. Apostoloff. No. 1,234,254; July 24; v. 240; p. 995.
- Hollow ware from pulp, Machine for making. J. B. Young. No. 1,244,820; Oct. 30; v. 243; p. 1187.
- Honey-extractor. W. W. Somerford. No. 1,245,283; Nov. 6; v. 244; p. 42.
- Honey sample-case. A. McElveen. No. 1,218,432; Mar. 6; v. 236; p. 189.

Alphabetical list of inventions—Continued.

- Honey-section. L. S. Badour. No. 1,237,741; Aug. 21; v. 241; p. 783.
- Honeycomb. E. E. Russell and W. C. Cutler. No. 1,238,343; Aug. 28; v. 241; p. 1009.
- Honeycomb, Artificial. G. M. MacDonald. No. 1,224,479; May 1; v. 238; p. 131.
- Hood and scarf, Combined. H. Aidenland. No. 1,211,807; Jan. 9; v. 234; p. 524.
- Hood-clamp. C. Chamberlain. No. 1,225,313; May 8; v. 238; p. 469.
- Hood construction. L. K. Snell. No. 1,226,269; May 15; v. 238; p. 839.
- Hood, Frangible protective. J. A. McKeever and J. S. Griffin. No. 1,227,467; May 22; v. 238; p. 1272.
- Hood, Sleeping-. E. D. Bloomfield. No. 1,235,419; July 31; v. 240; p. 1391.
- Hood-support. F. C. Biebow. No. 1,218,740; Mar. 13; v. 236; p. 334.
- Hoof-trimmer. T. Erickson. No. 1,229,732; June 12; v. 239; p. 506.
- Hook: *See*—
- Antiskid-chain hook.
 - Automatic release-hook.
 - Bearing spring casing-hook.
 - Belt-hook.
 - Block-hook.
 - Box or can hook.
 - Bull-hook.
 - Butt-hook.
 - Button-hook.
 - Carrying-hook.
 - Choker-hook.
 - Crochet-hook.
 - Detachable hook.
 - Fish-hook.
 - Fishing-hook.
 - Folding hook.
 - Garment-hook.
 - Grab-hook.
 - Hame-hook.
 - Hanger or wall-hook.
 - Harness-hook.
 - Heading-hook.
 - Hoisting-hook.
 - Husking-hook.
 - Ice-hook.
 - Lacing-hook.
 - Lamp-hook.
 - Load-hook.
 - Logging-hook.
 - Nail-hook.
 - Picture-hook.
 - Portière-hook.
 - Rigging-hook.
 - Safety-hook.
 - Snap-hook.
 - Supporting-hook.
 - Suspending-hook.
 - Swing-hook.
 - Swivel-hook.
 - Trace-hook.
 - Trap-hook.
 - Violin-hook.
 - Whiffletree-hook.
- Hook. J. B. Baxter. No. 1,240,810; Sept. 25; v. 242; p. 757.
- Hook. D. Cavanaugh. No. 1,214,755; Feb. 6; v. 235; p. 95.
- Hook. E. Ericksen. No. 1,237,885; Aug. 21; v. 241; p. 826.
- Hook. H. J. Laliberte. No. 1,240,986; Sept. 25; v. 242; p. 812.
- Hook. J. C. Stevens. No. 1,214,092; Jan. 30; v. 234; p. 1413.
- Hook and eye. W. Farrar. No. 1,248,298; Nov. 27; v. 244; p. 1024.
- Hook and eye. A. Hjelm. No. 1,235,529; July 31; v. 240; p. 1426.
- Hook-and-eye adjustment. H. E. Penn. No. 1,248,001; Nov. 27; v. 244; p. 941.
- Hook-fastener. E. J. Smith. No. 1,245,521; Nov. 6; v. 244; p. 115.
- Hook-fastener, Detachable. A. Cody. No. 1,228,181; May 29; v. 238; p. 1543.
- Hook for shoe-laces and the like. M. Rosenwasser. No. 1,215,708; Feb. 13; v. 235; p. 468.
- Hook-support. J. A. Sherman. No. 1,216,616; Feb. 20; v. 235; p. 842.
- Hooks, Tool for spreading bridle-wire. D. Scheidegger. No. 1,237,391; Aug. 21; v. 241; p. 670.
- Hoop: *See*—
- Cheese-hoop.
 - Embroidery-hoop.
- Hoop-beading machine. F. Glader. No. 1,239,437; Sept. 4; v. 242; p. 228.
- Hoop-propelling implement. E. M. Murray. No. 1,243,334; Oct. 16; v. 243; p. 664.
- Hoop-splitting machine. S. G. Stahlhuth. No. 1,244,655; Oct. 30; v. 243; p. 1136.
- Hoops, Applying. H. J. Scott. No. 1,228,976; June 5; v. 239; p. 203.
- Hopper, Feed-. A. H. Good. No. 1,212,937; Jan. 16; v. 234; p. 950.
- Hopper, Feed-. A. B. Moe. No. 1,221,355; Apr. 3; v. 237; p. 124.
- Hopper, Loading-. L. Clapper. No. 1,222,603; Apr. 17; v. 237; p. 635.
- Hopper mechanism. Z. P. Candee. No. 1,232,893; July 10; v. 240; p. 483.
- Hopper, Movable loading-. A. P. Lee. No. 1,212,368; Jan. 16; v. 234; p. 751.
- Hopper, Seed-. C. T. Ray. No. 1,220,684; Mar. 27; v. 236; p. 1079.
- Hoppers, Shield for closet-. W. L. Bass. No. 1,218,922; Mar. 13; v. 236; p. 400.
- Hopple. P. Curley. No. 1,212,023; Jan. 9; v. 234; p. 600.
- Hops, Drying. G. H. Benjamin. No. 1,226,052; May 15; v. 238; p. 761.
- Horizontal engine. F. P. Gruetzner. No. 1,246,262; Nov. 13; v. 244; p. 365.
- Horn. A. A. Kent. No. 1,222,107; Apr. 10; v. 237; p. 417.
- Horn. M. Setter. No. 1,222,040; Apr. 10; v. 237; p. 394.
- Horn, Automatic. G. F. Long. No. 1,226,089; May 15; v. 238; p. 775.
- Horn, Automatic. G. F. Long. No. 1,232,579; July 10; v. 240; p. 379.
- Horn, Automobile-. F. E. Bryan. No. 1,243,650; Oct. 16; v. 243; p. 758.
- Horn, Automobile-. J. J. Herlbauer. No. 1,229,453; June 12; v. 239; p. 413.
- Horn, Diaphragm-. D. A. McConnell. No. 1,228,226; May 29; v. 238; p. 1557.
- Horn, Diaphragm-. D. A. McConnell. No. 1,232,583; July 10; v. 240; p. 380.
- Horn, Diaphragm-. M. E. Myers. No. 1,251,270; Dec. 25; v. 245; p. 950.
- Horn, Diaphragm-. C. G. Trosien. No. 1,218,229; Mar. 6; v. 236; p. 119.
- Horn, Electrical. C. G. Bauer. No. 1,232,185; July 3; v. 240; p. 218.
- Horn, Electrical signaling-. W. W. Dean. No. 1,233,651; July 17; v. 240; p. 766.
- Horn, Electromagnetically-operated. B. Ames. No. 1,231,835; July 3; v. 240; p. 101.
- Horn for automobiles, motor-cycles, and the like. R. H. Manson. No. 1,235,710; Aug. 7; v. 241; p. 57.
- Horn, Mechanical. E. Aufiero. No. 1,239,425; Sept. 4; v. 242; p. 224.
- Horn, Mechanical. E. Aufiero. No. 1,239,426; Sept. 4; v. 242; p. 224.
- Horn, Mechanical. C. P. Bradley. No. 1,224,843; May 1; v. 238; p. 258.
- Horn, Mechanical. J. R. Marsico. No. 1,237,074; Aug. 14; v. 241; p. 531.
- Horn, Mechanical. J. F. Monnot. No. 1,247,987; Nov. 27; v. 244; p. 937.
- Horn, Mechanical. F. A. Pfeifer. No. 1,239,036; Sept. 4; v. 242; p. 101.
- Horn, Mechanical. G. A. Proctor. No. 1,232,603; July 10; v. 240; p. 386.
- Horn, Motor-. W. Sparks. No. 1,237,717; Aug. 21; v. 241; p. 776.
- Horn, Signal-. G. Honold. No. 1,221,859; Apr. 10; v. 237; p. 330.
- Horn, Signaling-. W. Kaisling. No. 1,250,589; Dec. 18; v. 245; p. 701.
- Horn, Signaling-. C. H. Smith. No. 1,243,772; Oct. 23; v. 243; p. 832.
- Horn, Signaling-. G. F. Voight. No. 1,235,743; Aug. 7; v. 241; p. 68.
- Horny substances from casein, Manufacture of. A. Bartels. No. 1,211,526; Jan. 9; v. 234; p. 427.
- Horse and like shoes, Press for the manufacture of. E. Tiller. No. 1,249,858; Dec. 11; v. 245; p. 445.
- Horse-blanket. F. H. Wilcox. No. 1,221,256; Apr. 3; v. 237; p. 90.
- Horse-boot. R. Sexton. No. 1,218,901; Mar. 13; v. 236; p. 393.
- Horse-detacher. L. E. Jacques. No. 1,215,541; Feb. 13; v. 235; p. 404.
- Horse-detacher. I. L. Pense. No. 1,216,601; Feb. 20; v. 235; p. 836.
- Horse-detacher. J. M. Rybka. No. 1,212,265; Jan. 16; v. 234; p. 715.
- Horse-detacher. G. Schleicher. No. 1,232,721; July 10; v. 240; p. 426.
- Horse holder and releaser, Multiple. F. F. Choitz. No. 1,233,551; July 17; v. 240; p. 733.
- Horse holder and releaser, Multiple. G. J. T. Iwersen. No. 1,217,182; Feb. 27; v. 235; p. 1078.
- Horse-overshoe. G. J. Donnelly. No. 1,228,358; May 29; v. 238; p. 1602.
- Horse-rake. J. Dain and J. Macphail. No. 1,225,112; May 8; v. 238; p. 400.
- Horse-releaser. H. M. Jacobson. No. 1,221,056; Apr. 3; v. 237; p. 18.
- Horse shoe and boot. J. H. Howard. No. 1,232,684; July 10; v. 240; p. 413.
- Horse-stock. J. E. Johnston. No. 1,235,483; July 31; v. 240; p. 1409.
- Horses, Apparatus for checking runaway. B. Rosenfeld. No. 1,232,092; July 3; v. 240; p. 188.
- Horsehair, Machine for interweaving curled. A. R. Billington. No. 1,243,133; Oct. 16; v. 243; p. 603.
- Horseshoe. D. S. Anthony. No. 1,212,601; Jan. 16; v. 234; p. 833.
- Horseshoe. L. F. Cohen. No. 1,232,656; July 10; v. 240; p. 403.
- Horseshoe. C. T. Fortney. No. 1,219,281; Mar. 13; v. 236; p. 520.
- Horseshoe. J. Frej. No. 1,234,747; July 31; v. 240; p. 1187.
- Horseshoe. J. E. Golden. No. 1,233,869; July 17; v. 240; p. 835.
- Horseshoe. E. H. Hazen and S. L. Levi. No. 1,227,133; May 22; v. 238; p. 1165.
- Horseshoe. F. A. Kinghan. No. 1,229,973; June 12; v. 239; p. 585.
- Horseshoe. C. A. Koser. No. 1,211,454; Jan. 9; v. 234; p. 403.
- Horseshoe. A. Morck. No. 1,250,484; Dec. 18; v. 245; p. 668.
- Horseshoe. A. Morck. No. 1,250,485; Dec. 18; v. 245; p. 668.
- Horseshoe. J. E. Murray. No. 1,236,203; Aug. 7; v. 241; p. 217.
- Horseshoe. M. Petric. No. 1,241,016; Sept. 25; v. 242; p. 822.

- Horseshoe. S. G. Rogers. No. 1,245,032; Oct. 30; v. 243; p. 1250.
- Horseshoe. L. B., A. P., and S. A. Schrader. No. 1,212,266; Jan. 16; v. 234; p. 715.
- Horseshoe. G. P. Trotta. No. 1,239,987; Sept. 11; v. 242; p. 432.
- Horseshoe. G. J. Walsh. No. 1,212,592; Jan. 16; v. 234; p. 830.
- Horseshoe. P. Wunder. No. 1,222,708; Apr. 17; v. 237; p. 672.
- Horseshoe. A. Zadina. No. 1,211,268; Jan. 2; v. 234; p. 308.
- Horseshoe-calk. A. O. Evenson. No. 1,225,119; May 8; v. 238; p. 402.
- Horseshoe-calk. J. W. Henderson. No. 1,245,101; Oct. 30; v. 243; p. 1271.
- Horseshoe-calk. A. J. Hersey. No. 1,210,648; Jan. 2; v. 234; p. 94.
- Horseshoe-calk. H. J. Klitsch. No. 1,244,098; Oct. 23; v. 243; p. 931.
- Horseshoe-calk. G. Smith. No. 1,236,494; Aug. 14; v. 241; p. 342.
- Horseshoe with removable calks. C. Cotten. No. 1,218,630; Mar. 13; v. 236; p. 294.
- Horseshoes, &c., Creepers for. S. P. Forsee, Jr. No. 1,235,127; July 31; v. 240; p. 1304.
- Horseshoes, Ice-creeper for. H. L. Riley. No. 1,223,832; Apr. 24; v. 237; p. 1094.
- Horseshoes, Machine for forming heels and toes of. W. B. Miller. No. 1,222,574; Apr. 10; v. 237; p. 584.
- Horseshoes, Manufacture of. H. Lange and K. Mette. No. 1,246,440; Nov. 13; v. 244; p. 419.
- Horseshoes, Removable drive-calk for. P. Doyle. No. 1,216,093; Feb. 13; v. 235; p. 605.
- Horseshoer's stand. E. F. Stutzman. No. 1,231,963; July 3; v. 240; p. 143.
- Hose. W. T. Cole. No. 1,235,878; Aug. 7; v. 241; p. 114.
- Hose. L. A. Subers. No. 1,227,690; May 29; v. 238; p. 1378.
- Hose and bucket rack, Combined. A. M. Barcus. No. 1,241,605; Oct. 2; v. 243; p. 45.
- Hose and for other purposes connected with water systems, Lever device for coupling. H. Pope. No. 1,225,271; May 8; v. 238; p. 452.
- Hose and garment supporter. D. H. Page. No. 1,214,359; Jan. 30; v. 234; p. 1506.
- Hose and making the same. H. Z. Cobb. No. 1,230,867; June 26; v. 239; p. 957.
- Hose and pipe coupling. W. K. Kennard. No. 1,236,182; Aug. 7; v. 241; p. 210.
- Hose and pipe coupling. R. N. Martz. No. 1,217,041; Feb. 20; v. 235; p. 985.
- Hose, Antifriction device for vacuum. W. A. Osley. No. 1,218,578; Mar. 6; v. 236; p. 238.
- Hose attachment, Garden. W. I. Dinsmoor. No. 1,249,918; Dec. 11; v. 245; p. 463.
- Hose-band. O. W. Patton. No. 1,230,019; June 12; v. 239; p. 599.
- Hose-clamp. C. D. Bennett. No. 1,244,577; Oct. 30; v. 243; p. 1114.
- Hose-clamp. T. A. Boor. No. 1,224,062; Apr. 24; v. 237; p. 1171.
- Hose-clamp. T. A. Boor. No. 1,224,063; Apr. 24; v. 237; p. 1171.
- Hose-clamp. T. A. Boor. No. 1,238,629; Aug. 28; v. 241; p. 1101.
- Hose-clamp. J. J. and C. H. Cook. No. 1,236,546; Aug. 14; v. 241; p. 359.
- Hose-clamp. A. J. Dremel. No. 1,221,425; Apr. 3; v. 237; p. 148.
- Hose-clamp. C. E. Hecox. No. 1,233,054; July 10; v. 240; p. 534.
- Hose-clamp. H. C. Jones. No. 1,236,312; Aug. 7; v. 241; p. 250.
- Hose-clamp. C. A. McKeranhan. No. 1,211,466; Jan. 9; v. 234; p. 407.
- Hose-clamp. A. P. Swaidmark. No. 1,219,882; Mar. 20; v. 236; p. 761.
- Hose-clasp. C. H. Burkhardt. No. 1,214,130; Jan. 30; v. 234; p. 1425.
- Hose-connecting device. N. Furdoy. No. 1,228,549; June 5; v. 239; p. 60.
- Hose connection. A. C. Butcher. No. 1,233,750; July 17; v. 240; p. 796.
- Hose connection. H. Cave. No. 1,235,876; Aug. 7; v. 241; p. 114.
- Hose connection for air or water. H. E. Morgan. No. 1,251,086; Dec. 25; v. 245; p. 896.
- Hose-coupling. J. J. Bowes, Jr. No. 1,232,193; July 3; v. 240; p. 221.
- Hose-coupling. E. F. J. Breuer. No. 1,230,854; June 26; v. 239; p. 953.
- Hose-coupling. A. C. S. Clark. No. 1,233,644; July 17; v. 240; p. 764.
- Hose-coupling. C. E. Draper. No. 1,240,183; Sept. 18; v. 242; p. 528.
- Hose-coupling. H. N. Evans, Sr. No. 1,222,088; Apr. 10; v. 237; p. 410.
- Hose-coupling. W. B. Farlow. No. 1,218,539; Mar. 6; v. 236; p. 224.
- Hose-coupling. E. E. Gold. No. 1,213,094; Jan. 16; v. 234; p. 1005.
- Hose-coupling. H. W. Goodall and W. S. Feeny. No. 1,249,380; Dec. 11; v. 245; p. 306.
- Hose-coupling. A. Griffith. No. 1,229,067; June 5; v. 239; p. 232.
- Hose-coupling. F. Hachmann. No. 1,241,626; Oct. 2; v. 243; p. 52.
- Hose-coupling. C. M. Hartman. No. 1,220,223; Mar. 27; v. 236; p. 917.
- Hose-coupling. R. G. Hedden. No. 1,245,912; Nov. 6; v. 244; p. 233.
- Hose-coupling. H. H. Hewitt and C. H. Paeplow, Jr. No. 1,224,638; May 1; v. 238; p. 186.
- Hose-coupling. A. G. Hughes. No. 1,213,492; Jan. 23; v. 234; p. 1177.
- Hose-coupling. C. H. Johnson. No. 1,245,108; Oct. 30; v. 243; p. 1273.
- Hose-coupling. F. W. Krueger. No. 1,250,325; Dec. 18; v. 245; p. 621.
- Hose-coupling. R. N. Martz. No. 1,238,928; Sept. 4; v. 242; p. 66.
- Hose-coupling. P. A. McSwain. No. 1,220,868; Mar. 27; v. 236; p. 1142.
- Hose-coupling. F. X. Müller. No. 1,215,050; Feb. 6; v. 235; p. 201.
- Hose-coupling. F. J. E., and C. L. Nickolai. No. 1,225,480; May 8; v. 238; p. 525.
- Hose-coupling. J. L. Osgood. No. 1,241,654; Oct. 2; v. 243; p. 60.
- Hose-coupling. F. C. Pahlow. No. 1,245,614; Nov. 6; v. 244; p. 143.
- Hose-coupling. J. H. Reeve. No. 1,233,401; July 17; v. 240; p. 683.
- Hose-coupling. H. B. Robinson. No. 1,236,364; Aug. 7; v. 241; p. 265.
- Hose-coupling. C. L. Russell. No. 1,212,817; Jan. 16; v. 234; p. 909.
- Hose-coupling. A. T. Sawyer. No. 1,242,047; Oct. 2; v. 243; p. 183.
- Hose-coupling. J. F. Simmons. No. 1,234,812; July 31; v. 240; p. 1205.
- Hose-coupling. W. M. Smith. No. 1,247,464; Nov. 20; v. 244; p. 753.
- Hose-coupling. C. A. Welker. No. 1,244,666; Oct. 30; v. 243; p. 1140.
- Hose-coupling. T. White. No. 1,221,935; Apr. 10; v. 237; p. 359.
- Hose coupling, Canvas. N. B. Braly. No. 1,211,067; Jan. 2; v. 234; p. 238.
- Hose coupling, Canvas. N. B. Braly. No. 1,228,397; June 5; v. 239; p. 8.
- Hose coupling, Fire. W. R. Gough. No. 1,225,616; May 8; v. 238; p. 571.
- Hose-coupling for railway air-brakes. J. Ganus. No. 1,239,172; Sept. 4; v. 242; p. 144.
- Hose-coupling, Gravity. E. E. Gold. No. 1,245,332; Nov. 6; v. 244; p. 57.
- Hose-coupling lock. D. D. Haldeman. No. 1,249,074; Dec. 4; v. 245; p. 187.
- Hose-coupling, Quick-detachable. W. M. Saunders. No. 1,230,606; June 19; v. 239; p. 833.
- Hose coupling, Railway train-pipe. J. J. Keane. No. 1,250,895; Dec. 18; v. 245; p. 791.
- Hose coupling, Train. A. Remer and J. S. Tripp. No. 1,224,211; May 1; v. 238; p. 34.
- Hose coupling, Train-pipe. I. Stringfellow. No. 1,243,778; Oct. 23; v. 243; p. 834.
- Hose-coupling, Universal. P. F. Glazier. No. 1,237,633; Aug. 21; v. 241; p. 747.
- Hose-holder. C. A. Roberts. No. 1,233,916; July 17; v. 240; p. 850.
- Hose holder, Lawn. B. E. Haney. No. 1,223,276; Apr. 17; v. 237; p. 863.
- Hose, Machine for curing long-length rubber. C. A. Daniels. No. 1,222,604; Apr. 17; v. 237; p. 635.
- Hose-nozzle attachment for brushes. T. F. Harrison. No. 1,235,466; July 31; v. 240; p. 1404.
- Hose-protector. C. R. Dabney. No. 1,249,038; Dec. 4; v. 245; p. 177.
- Hose-protector. C. R. Harkins. No. 1,249,387; Dec. 11; v. 245; p. 308.
- Hose-reel. E. C. Merrill. No. 1,236,734; Aug. 14; v. 241; p. 422.
- Hose-reel. B. H. Montgomery. No. 1,245,491; Nov. 6; v. 244; p. 104.
- Hose-reel. A. W. Sherwood and G. D. Reedy. No. 1,221,099; Apr. 3; v. 237; p. 33.
- Hose-reel. L. M. Twite. No. 1,228,501; June 5; v. 239; p. 43.
- Hose-reel. R. D. Wirt. No. 1,244,818; Oct. 30; v. 243; p. 1186.
- Hose-reel, Self-winding. C. D. McDowell. No. 1,227,466; May 22; v. 238; p. 1272.
- Hose-storing apparatus. A. Meas and F. C. Moll. No. 1,242,015; Oct. 2; v. 243; p. 175.
- Hose-supporter. A. F. Beevers. No. 1,240,652; Sept. 18; v. 242; p. 676.
- Hose-supporter. E. M. Crumrine. No. 1,227,042; May 22; v. 238; p. 1134.
- Hose-supporter. C. J. Hausen. No. 1,216,991; Feb. 20; v. 235; p. 968.
- Hose-supporter. C. V. Oliver. No. 1,235,367; July 31; v. 240; p. 1375.

Alphabetical list of inventions—Continued.

- Hose-supporter. R. Parker. No. 1,235,921; Aug. 7; v. 241; p. 129.
- Hose-supporter. J. H. Pilkington. No. 1,250,499; Dec. 18; v. 245; p. 672.
- Hose-supporter. A. L. Thomas. No. 1,237,410; Aug. 21; v. 241; p. 676.
- Hose-supporter. S. C. Wallace. No. 1,215,444; Feb. 13; v. 235; p. 369.
- Hose-supporter. A. E. Zabriskie. No. 1,220,925; Mar. 27; v. 236; p. 1159.
- Hose-supporter clasp. R. M. Parrett. No. 1,212,671; Jan. 16; v. 234; p. 860.
- Hose-supporter clasp. F. A. Russ and H. J. Stuart. No. 1,228,480; June 5; v. 239; p. 36.
- Hose-supporter, Safety. T. M. Irwin. No. 1,224,466; May 1; v. 238; p. 127.
- Hose-supporters, Button-tab end for. C. J. White. No. 1,210,574; Jan. 2; v. 234; p. 68.
- Hose suspension. N. B. Braly. No. 1,244,465; Oct. 30; v. 243; p. 1078.
- Hose, Train-pipe. J. S. Sheafe and V. Tobolla. No. 1,242,874; Oct. 9; v. 243; p. 488.
- Hose, Vulcanizing apparatus for rubber. S. D. Hewitt. No. 1,210,938; Jan. 2; v. 234; p. 193.
- Hosiery. T. E. Brown. No. 1,237,865; Aug. 21; v. 241; p. 819.
- Hosiery. W. E. Chipman. No. 1,237,473; Aug. 21; v. 241; p. 695.
- Hosiery. R. W. Scott. No. 1,211,247; Jan. 2; v. 234; p. 300.
- Hosiery. E. Werm. No. 1,213,047; Jan. 16; v. 234; p. 988.
- Hosiery and other knit articles from raw silk, Manufacture of. M. Weil. No. 1,238,607; Aug. 28; v. 241; p. 1093.
- Hosiery-dyeing machines, Internal cylinder for. M. C. Cuttle. No. 1,246,723; Nov. 13; v. 244; p. 502.
- Hosiery-finishing apparatus. J. H. Brine. No. 1,218,520; Mar. 6; v. 236; p. 218.
- Hosiery-form, Heated. J. Huebsch. No. 1,223,585; Apr. 24; v. 237; p. 1005.
- Hosiery-frame. F. Cecka. No. 1,217,410; Feb. 27; v. 235; p. 1155.
- Hosiery-frame. F. Cecka. No. 1,217,411; Feb. 27; v. 235; p. 1156.
- Hosiery-frame, Straight. F. Cecka. No. 1,219,251; Mar. 13; v. 236; p. 511.
- Hosiery-frame, Straight. F. Cecka. No. 1,235,185; July 31; v. 240; p. 1321.
- Hosiery-shaping former. C. D. Stack. No. 1,235,534; July 31; v. 240; p. 1427.
- Hosiery-supporter. W. Bach. No. 1,248,436; Dec. 4; v. 245; p. 3.
- Hosiery-supporter. D. G. Butts. No. 1,248,804; Dec. 4; v. 245; p. 112.
- Hot-air attachment for manifolds. S. E. Barnwell. No. 1,218,508; Mar. 6; v. 236; p. 214.
- Hot-air furnace. R. R. Armor. No. 1,217,551; Feb. 27; v. 235; p. 1208.
- Hot-air furnace. G. H. Hess. No. 1,236,171; Aug. 7; v. 241; p. 206.
- Hot-air furnace. R. L. Pollock. No. 1,241,274; Sept. 25; v. 242; p. 906.
- Hot-air furnace. R. Pozzi. No. 1,217,126; Feb. 20; v. 235; p. 1014.
- Hot-air register. H. W. Symonds. No. 1,233,523; July 17; v. 240; p. 724.
- Hot-water boiler. B. Kaplan. No. 1,219,741; Mar. 20; v. 236; p. 710.
- Hot-water boiler. C. Kettel. No. 1,211,172; Jan. 2; v. 234; p. 272.
- Hot-water furnace. F. F. Turner. No. 1,218,133; Mar. 6; v. 236; p. 85.
- Hot-water heater. G. C. Gill, P. S. Sinclair, and P. J. Moakler. No. 1,246,084; Nov. 13; v. 244; p. 311.
- Hot-water heater. G. C. Gill, P. S. Sinclair, and P. J. Moakler. No. 1,246,813; Nov. 13; v. 244; p. 529.
- Hot-water heater. W. Gillespie and C. Cooney. No. 1,219,722; Mar. 20; v. 236; p. 704.
- Hot-water heater. E. J. Sidbury. No. 1,249,219; Dec. 4; v. 245; p. 229.
- Hot-water heater. D. Whiteford. No. 1,211,801; Jan. 9; v. 234; p. 522.
- Hot-water heater, Builder's portable. C. A. Londelius, Jr. No. 1,211,728; Jan. 9; v. 234; p. 494.
- Hot-water pressure combined domestic and heating system. A. H. Thompson. No. 1,240,101; Sept. 11; v. 242; p. 464.
- Hotbed. J. Nicastri. No. 1,212,097; Jan. 9; v. 234; p. 623.
- Hotel-room rack. F. W. Senn. No. 1,247,458; Nov. 20; v. 244; p. 751.
- House: See—
 Bird-house.
 Bird bath-house.
 Chicken-house.
 Collapsible house.
 Doll-house.
 Drying-house.
 Portable house.
 Smoke-house.
- House. M. Steiner. No. 1,215,740; Feb. 13; v. 235; p. 477.
- Household implement. F. S. Sowers. No. 1,213,034; Jan. 16; v. 234; p. 985.
- Housing. C. H. Lister. No. 1,230,586; June 19; v. 239; p. 827.
- Housings, Holding means for. H. G. Pape. No. 1,216,598; Feb. 20; v. 235; p. 835.
- Hover. G. Cugley. No. 1,227,120; May 22; v. 238; p. 1161.
- Hover. M. D. Drake. No. 1,227,401; May 22; v. 238; p. 1251.
- Hover. F. F. Hughes. No. 1,236,086; Aug. 7; v. 241; p. 180.
- Hover. C. W. McDougal, Jr. No. 1,235,350; July 31; v. 240; p. 1370.
- Hover. S. B. Smith. No. 1,223,433; Apr. 24; v. 237; p. 951.
- Hub-attaching device. M. E. Seaman. No. 1,249,676; Dec. 11; v. 245; p. 391.
- Hub, Bicycle-. F. J. Olsen. No. 1,249,659; Dec. 11; v. 245; p. 385.
- Hub cap, Wheel-. E. Timmerhoff. No. 1,234,968; July 31; v. 240; p. 1256.
- Hub, Demountable substitution-. J. E. Strietelmeler. No. 1,217,362; Feb. 27; v. 235; p. 1139.
- Hub for vehicle-wheels, Metal. T. E. Murray. No. 1,212,802; Jan. 16; v. 234; p. 905.
- Hub for wheels of all kinds, Detachable and interchangeable. J. Ney. No. 1,247,991; Nov. 27; v. 244; p. 938.
- Hub, Free-wheel. F. J. Olsen. No. 1,249,657; Dec. 11; v. 245; p. 385.
- Hub-liner. M. Hurley. No. 1,238,676; Aug. 28; v. 241; p. 1114.
- Hub, Motor-vehicle-wheel. J. T. Shoaf. No. 1,215,208; Feb. 6; v. 235; p. 253.
- Hub-plate. A. J. Sams. No. 1,226,119; May 15; v. 238; p. 784.
- Hub plate, Wheel-. M. Christman. No. 1,241,343; Sept. 25; v. 242; p. 926.
- Hub, Sheet-metal. T. E. Murray. No. 1,230,427; June 19; v. 239; p. 772.
- Hub, Spring-wheel. A. V. Mitchell. No. 1,242,463; Oct. 9; v. 243; p. 356.
- Hub, Vehicle-. M. O'Connor. No. 1,224,953; May 8; v. 238; p. 346.
- Hub, Wheel-. E. F. Altman. No. 1,241,473; Sept. 25; v. 242; p. 964.
- Hub, Wheel-. M. I. Brock. No. 1,228,398; June 5; v. 239; p. 8.
- Hub, Wheel-. J. H. Gresson. No. 1,227,429; May 22; v. 238; p. 1259.
- Hub, Wheel-. A. V. Mitchell. No. 1,222,231; Apr. 10; v. 237; p. 462.
- Hub, Wheel-. J. V. L. Peacock. No. 1,234,080; July 17; v. 240; p. 901.
- Hub, Wheel-. J. F. Vogel. No. 1,242,277; Oct. 9; v. 243; p. 297.
- Hub, Wheel-. C. E. Zarth. No. 1,216,040; Feb. 13; v. 235; p. 586.
- Hub with a plurality of gears, Wheel-. F. J. Olsen. No. 1,249,658; Dec. 11; v. 245; p. 385.
- Hubs, Bearing for automobile-. C. N. Frauham. No. 1,243,929; Oct. 23; v. 243; p. 880.
- Hubs, Guard for wheel-. J. M. Taylor. No. 1,214,840; Feb. 6; v. 235; p. 123.
- Huller: See—
 Almond-huller.
 Grain-huller.
- Huller-gin. T. S. Grimes. No. 1,244,196; Oct. 23; v. 243; p. 959.
- Hulling and cleaning machine. J. H. Cary. No. 1,220,952; Mar. 27; v. 236; p. 1169.
- Hulling-machine. A. Huegele. No. 1,250,462; Dec. 18; v. 245; p. 661.
- Hulling-machine. C. Schäfer. No. 1,212,113; Jan. 9; v. 234; p. 630.
- Human body in water, Machine for effecting the rapid propulsion of the. T. S. Haran. No. 1,226,768; May 22; v. 238; p. 1039.
- Humidifier. A. M. Alexander. No. 1,241,695; Oct. 2; v. 243; p. 73.
- Humidifier. J. E. Dutcher. No. 1,218,247; Mar. 6; v. 236; p. 126.
- Humidifier. P. A. Fair. No. 1,246,252; Nov. 13; v. 244; p. 361.
- Humidifier. H. S. Grigsby. No. 1,219,391; Mar. 13; v. 236; p. 559.
- Humidifier. H. G. Houghton. No. 1,233,474; July 17; v. 240; p. 708.
- Humidifier. M. C. Monahan. No. 1,232,954; July 10; v. 240; p. 502.
- Humidifier. E. O. Osborn and W. J. Tucker. No. 1,238,322; Aug. 28; v. 241; p. 1002.
- Humidifier. L. H. Parker. No. 1,213,940; Jan. 30; v. 234; p. 1360.
- Humidifier. W. M. Reid. No. 1,243,975; Oct. 23; v. 243; p. 894.
- Humidifier, Capillary. H. A. Carpenter. No. 1,250,280; Dec. 18; v. 245; p. 607.
- Humidifier-controller. F. W. Parks. No. 1,234,077; July 17; v. 240; p. 900.
- Humidifying apparatus. F. W. Parks. No. 1,227,190; May 22; v. 238; p. 1184.
- Humidifying apparatus. N. J. Yonker. No. 1,211,905; Jan. 9; v. 234; p. 560.
- Humidifying device. V. A. Larson. No. 1,241,524; Oct. 2; v. 243; p. 17.
- Humidity-controlling apparatus. A. W. Thompson and E. W. Comfort. No. 1,228,718; June 5; v. 239; p. 117.

- Humidor. R. S. Curtiss. No. 1,237,176; Aug. 14; v. 241; p. 561.
- Humidor. L. C. Davidson. No. 1,237,023; Aug. 14; v. 241; p. 515.
- Humidor. G. Grand. No. 1,220,415; Mar. 27; v. 236; p. 986.
- Humidor. J. J. Tearney and G. L. Alexander. No. 1,220,376; Mar. 27; v. 236; p. 973.
- Humidor. Cigar-vending. A. Weiss. No. 1,235,862; Aug. 7; v. 241; p. 109.
- Hurl cutter and separator. N. H. Beebe, H. E. Smith, and G. W. Duvall. No. 1,247,491; Nov. 20; v. 244; p. 760.
- Husking-hook. J. M. Koziol. No. 1,248,500; Dec. 4; v. 245; p. 21.
- Hydrant. G. Buelna. No. 1,246,389; Nov. 13; v. 244; p. 404.
- Hydrant. C. H. Miller and K. A. Read. No. 1,218,950; Mar. 13; v. 236; p. 408.
- Hydrants, Apparatus for thawing. L. S. Ross. No. 1,238,826; Sept. 4; v. 242; p. 34.
- Hydration. J. C. Schaffer. No. 1,220,995; Mar. 27; v. 236; p. 1183.
- Hydraulic brake. H. Junkers. No. 1,228,215; May 29; v. 238; p. 1554.
- Hydraulic elevator. G. F. Webb. No. 1,230,547; June 19; v. 239; p. 812.
- Hydraulic equalizer. W. M. White. No. 1,215,451; Feb. 13; v. 235; p. 372.
- Hydraulic jack. H. W. Freese. No. 1,212,757; Jan. 16; v. 234; p. 891.
- Hydraulic jack. R. W. Gaffney. No. 1,244,317; Oct. 23; v. 243; p. 997.
- Hydraulic jack. C. Wigtel. No. 1,225,906; May 15; v. 238; p. 711.
- Hydraulic lift for beater-rolls. F. W. Warren. No. 1,236,794; Aug. 14; v. 241; p. 442.
- Hydraulic motor. R. Rivera. No. 1,219,156; Mar. 13; v. 236; p. 479.
- Hydraulic motor. R. Rivera. No. 1,233,913; July 17; v. 240; p. 849.
- Hydraulic motor. R. Rivera. No. 1,233,914; July 17; v. 240; p. 849.
- Hydraulic press. J. Morwitz. No. 1,230,013; June 12; v. 239; p. 597.
- Hydraulic press. G. E. Stevens. No. 1,240,617; Sept. 18; v. 242; p. 663.
- Hydraulic press. B. C. White. No. 1,241,691; Oct. 2; v. 243; p. 71.
- Hydraulic transmission. G. Constantinesco. No. 1,211,680; Jan. 9; v. 234; p. 479.
- Hydro-aero machine. G. H. Curtiss. No. 1,228,381; May 29; v. 238; p. 1609.
- Hydro-aeroplane. L. P. Perew. No. 1,213,000; Jan. 16; v. 234; p. 974.
- Hydro-extractor. C. H. Ramsey. No. 1,210,836; Jan. 2; v. 234; p. 157.
- Hydrocarbon-burner. F. A. Allinger. No. 1,229,008; June 5; v. 239; p. 213.
- Hydrocarbon-burner. W. J. Best. No. 1,227,239; May 22; v. 238; p. 1201.
- Hydrocarbon-burner. L. M. Bowman. No. 1,241,334; Sept. 25; v. 242; p. 923.
- Hydrocarbon-burner. H. Brubaker. No. 1,233,547; July 17; v. 240; p. 731.
- Hydrocarbon-burner. T. J. Crook. No. 1,238,003; Aug. 21; v. 241; p. 864.
- Hydrocarbon-burner. F. V. Detwiler. No. 1,239,775; Sept. 11; v. 242; p. 364.
- Hydrocarbon-burner. G. L. Elrod. No. 1,238,395; Aug. 28; v. 241; p. 1025.
- Hydrocarbon-burner. L. Gardner. No. 1,240,333; Sept. 18; v. 242; p. 577.
- Hydrocarbon-burner. C. A. Hammel. No. 1,238,513; Aug. 28; v. 241; p. 1064.
- Hydrocarbon-burner. J. A. Hewett. No. 1,237,904; Aug. 21; v. 241; p. 832.
- Hydrocarbon-burner. H. A. Lacerda. No. 1,240,061; Sept. 11; v. 242; p. 452.
- Hydrocarbon-burner. H. Peters. No. 1,222,792; Apr. 17; v. 237; p. 700.
- Hydrocarbon-burner. E. Rector. No. 1,213,412; Jan. 23; v. 234; p. 1149.
- Hydrocarbon-burner. R. Schawrowsky. No. 1,243,559; Oct. 16; v. 243; p. 730.
- Hydrocarbon-burner. J. E. Sheaffer. No. 1,210,856; Jan. 2; v. 234; p. 163.
- Hydrocarbon-burner. F. H. Stanard. No. 1,248,195; Nov. 27; v. 244; p. 994.
- Hydrocarbon-burner. L. W. Swem. No. 1,216,248; Feb. 13; v. 235; p. 660.
- Hydrocarbon-burner. W. H. Thayer. No. 1,228,376; May 29; v. 238; p. 1607.
- Hydrocarbon-burner. E. A. Wales. No. 1,244,146; Oct. 23; v. 243; p. 944.
- Hydrocarbon-burner. L. Whittaker. No. 1,241,069; Sept. 25; v. 242; p. 838.
- Hydrocarbon-burner. W. T. Wood. No. 1,219,365; Mar. 13; v. 236; p. 551.
- Hydrocarbon burner. Liquid-. H. A. Friend. No. 1,240,130; Sept. 11; v. 242; p. 473.
- Hydrocarbon compounds. Synthetic production of. L. B. Cherry. No. 1,229,886; June 12; v. 239; p. 558.
- Hydrocarbon-engine. A. Doble. No. 1,232,777; July 10; v. 240; p. 445.
- Hydrocarbon-engine. E. F. Gaskell. No. 1,239,682; Sept. 11; v. 242; p. 336.
- Hydrocarbon-engine. G. W. Shoemaker. No. 1,245,808; Nov. 6; v. 244; p. 202.
- Hydrocarbon-engine, Rotary-valve. G. E. Hollmann. No. 1,213,873; Jan. 30; v. 234; p. 1337.
- Hydrocarbon from petroleum. Manufacture of a non-volatile unsaturated. B. T. Brooks and F. W. Padgett. No. 1,220,821; Mar. 27; v. 236; p. 1126.
- Hydrocarbon-generator. H. E. Riegel and D. F. Horning. No. 1,214,370; Jan. 30; v. 234; p. 1509.
- Hydrocarbon generator and burner. W. F. Cathcart. No. 1,210,597; Jan. 2; v. 234; p. 75.
- Hydrocarbon hydroxy compounds. Cyclic process of making aromatic. L. M. Dennis. No. 1,227,894; May 29; v. 238; p. 1448.
- Hydrocarbon-motor. R. Huff. No. 1,228,558; June 5; v. 239; p. 63.
- Hydrocarbon-motor. C. F. Johnson. No. 1,232,041; July 3; v. 240; p. 171.
- Hydrocarbon-motor. L. K. Snell. No. 1,239,133; Sept. 4; v. 242; p. 133.
- Hydrocarbon-motor. L. K. Snell and C. F. Johnson. No. 1,244,651; Oct. 30; v. 243; p. 1135.
- Hydrocarbon-motor. M. Tibbetts. No. 1,227,698; May 29; v. 238; p. 1381.
- Hydrocarbon-motor. M. Tibbetts. No. 1,238,221; Aug. 28; v. 241; p. 968.
- Hydrocarbon-motor. J. G. Vincent. No. 1,251,142; Dec. 25; v. 245; p. 913.
- Hydrocarbon product. W. A. Hall. No. 1,239,099; Sept. 4; v. 242; p. 121.
- Hydrocarbon vapors, Apparatus for generating and burning. J. I. Leary. No. 1,216,578; Feb. 20; v. 235; p. 829.
- Hydrocarbon vapors during the distillation of the same, Producing and treating. J. H. Robertson. No. 1,238,339; Aug. 28; v. 241; p. 1008.
- Hydrocarbons, Apparatus for cracking petroleum. J. W. Coast, Jr. No. 1,250,800; Dec. 18; v. 245; p. 762.
- Hydrocarbons, Cracking petroleum. J. W. Coast, Jr. No. 1,250,799; Dec. 18; v. 245; p. 762.
- Hydrocarbons, Cracking petroleum. J. W. Coast, Jr. No. 1,250,801; Dec. 18; v. 245; p. 762.
- Hydrocarbons, &c., especially cymol, which arise in the manufacture of sulfate cellulose, Apparatus for the extraction of. P. G. Enger. No. 1,223,158; Apr. 17; v. 237; p. 826.
- Hydrocarbons from gases, Process and apparatus for obtaining. G. Linderborg and W. B. Scott. No. 1,220,651; Mar. 27; v. 236; p. 1068.
- Hydrocarbons from natural or other gas, Separating. W. O. Felt. No. 1,213,795; Jan. 23; v. 234; p. 1280.
- Hydrocarbons into lighter hydrocarbons, Process and apparatus for the conversion of heavy. L. Lamplough. No. 1,229,098; June 5; v. 239; p. 243.
- Hydrocarbons, Making aromatic. C. M. Alexander. No. 1,230,975; June 26; v. 239; p. 994.
- Hydrocarbons, Making unsaturated. B. E. Eldred and G. Mersereau. No. 1,234,886; July 31; v. 240; p. 1228.
- Hydrocarbons, Method and apparatus for fractionating. L. E. Hirt. No. 1,222,402; Apr. 10; v. 237; p. 522.
- Hydrocarbons, Method of and apparatus for fractionating. L. E. Hirt. No. 1,250,879; Dec. 18; v. 245; p. 786.
- Hydrocarbons of the paraffin series of aliphatic hydrocarbons and their halogen derivatives, Halogenation of gaseous. C. W. Bedford. No. 1,245,553; Nov. 6; v. 244; p. 125.
- Hydrocarbons or their derivatives, Sulfonation of aromatic. H. Bull. No. 1,247,499; Nov. 20; v. 244; p. 762.
- Hydrocarbons, Preparation of chlor-substitution products of the saturated paraffin. C. Blanc. No. 1,248,065; Nov. 27; v. 244; p. 956.
- Hydrocarbons, Process of and apparatus for producing light. J. E. Holmes. No. 1,241,979; Oct. 2; v. 243; p. 162.
- Hydrocarbons, Producing partially-hydrogenized monocyclic. O. Schmidt, K. Hochschwender, and T. Eichler. No. 1,221,382; Apr. 3; v. 237; p. 134.
- Hydrocarbons, Production of chlorinated. B. T. Brooks and D. F. Smith. No. 1,231,123; June 26; v. 239; p. 1046.
- Hydrocarbon products from shales and coals, Extraction of. D. T. Day. No. 1,244,840; Oct. 30; v. 243; p. 1192.
- Hydrocarbons, Sulfonation of. D. Tyrer. No. 1,210,725; Jan. 2; v. 234; p. 120.
- Hydrocarbons, Treating heavier. S. Schwartz. No. 1,247,883; Nov. 27; v. 244; p. 906.
- Hydrofluoric acid from silicon fluorid, Manufacture of. H. F. Chappell. No. 1,244,032; Oct. 23; v. 243; p. 911.
- Hydrogen-manufacturing apparatus. R. E. Brunner. No. 1,246,867; Nov. 20; v. 244; p. 581.
- Hydrogen peroxid and making same, Stable product containing. F. W. Weber. No. 1,210,570; Jan. 2; v. 234; p. 67.
- Hydrogen peroxid and making the same, Stable. O. Liebknecht and A. Schaidhauf. No. 1,213,921; Jan. 30; v. 234; p. 1354.
- Hydrogen peroxid from the peroxid of an alkaline earth, Making pure highly-concentrated. A. Jahl. No. 1,210,651; Jan. 2; v. 234; p. 96.
- Hydrogen peroxid, Manufacturing. J. Patek. No. 1,234,380; July 24; v. 240; p. 1037.

Alphabetical list of inventions—Continued.

- Hydrogen peroxid, Producing. H. A. Doerner. No. 1,235,664; Aug. 7; v. 241; p. 43.
- Hydrogen, Producing. A. Messerschmitt. No. 1,225,264; May 8; v. 238; p. 449.
- Hydrogen-producing apparatus. A. Messerschmitt. No. 1,225,262; May 8; v. 238; p. 449.
- Hydrogen-producing apparatus. A. Messerschmitt. No. 1,225,263; May 8; v. 238; p. 449.
- Hydrogen sulfid, Production of. R. F. Bacon. No. 1,235,953; Aug. 7; v. 241; p. 139.
- Hydrogenating organic substances. J. W. Blagden. No. 1,239,867; Sept. 11; v. 242; p. 396.
- Hydrogenation. C. Ellis. No. 1,217,118; Feb. 20; v. 235; p. 1012.
- Hydrogenation product. C. Ellis. No. 1,226,620; May 15; v. 238; p. 949.
- Hydrogenization and dehydrogenization of carbon compounds. C. Bosch, A. Mittasch, and C. Schneider. No. 1,215,335; Feb. 13; v. 235; p. 331.
- Hydrogenization and dehydrogenization of compounds containing carbon. C. Bosch, A. Mittasch, and C. Schneider. No. 1,215,334; Feb. 13; v. 235; p. 331.
- Hydrogenizing olefinic terpene derivatives. C. Paal. No. 1,210,681; Jan. 2; v. 234; p. 106.
- Hydrometallurgy. E. R. Holden. (Reissue.) No. 1,429,8; May 8; v. 238; p. 611.
- Hydromobile. J. Auer. No. 1,232,751; July 10; v. 240; p. 437.
- Hydroplane. C. Ruhe. No. 1,217,828; Feb. 27; v. 235; p. 1303.
- Hydroplane. C. Ruhe. No. 1,222,674; Apr. 17; v. 237; p. 660.
- Hydroplane. C. Ruhe. No. 1,233,708; July 17; v. 240; p. 783.
- Hydroplane-boat. G. H. Curtiss. No. 1,246,014; Nov. 6; v. 244; p. 260.
- Hydroplane, Pneumatically-propelled. R. E. Kellogg. No. 1,238,408; Aug. 28; v. 241; p. 1029.
- Hydroxid of aluminium, Manufacture of. B. Schwerin. No. 1,216,371; Feb. 20; v. 235; p. 755.
- Hygrometer and other instrument. E. H. Bristol and W. H. Fitts. No. 1,243,671; Oct. 16; v. 243; p. 764.
- Hygrostat. W. H. Carrier. No. 1,237,470; Aug. 21; v. 241; p. 694.
- Hygrostatic controller. H. S. Grigsby. No. 1,219,390; Mar. 13; v. 236; p. 559.
- Hypnotic body. L. Thorp. No. 1,237,413; Aug. 21; v. 241; p. 677.
- Hypodermic-instrument case. B. W. Scott. No. 1,239,308; Sept. 4; v. 242; p. 189.
- Hypodermic needle. G. G. Powers. No. 1,217,630; Feb. 27; v. 235; p. 1236.
- Ice, Agitating water in making. W. B. Kirkpatrick. (Reissue.) No. 1,432,1; June 26; v. 239; p. 1185.
- Ice, Agitating water in making. W. B. Kirkpatrick. (Reissue.) No. 1,430,9; Nov. 6; v. 244; p. 266.
- Ice, Apparatus for manufacturing artificial. G. T. Turner. No. 1,225,893; May 15; v. 238; p. 706.
- Ice-box. W. E. James. No. 1,227,443; May 22; v. 238; p. 1264.
- Ice-box. W. E. James. No. 1,234,766; July 31; v. 240; p. 1192.
- Ice-box. M. Levin. No. 1,237,665; Aug. 21; v. 241; p. 758.
- Ice-box for automobiles. B. McMoore. No. 1,230,914; June 26; v. 239; p. 972.
- Ice-bunker. G. M. Harrison. No. 1,234,162; July 24; v. 240; p. 965.
- Ice-chest or refrigerator. C. Piazza. No. 1,210,833; Jan. 2; v. 234; p. 156.
- Ice-chest shelf. I. O. Carlson. No. 1,218,166; Mar. 6; v. 236; p. 96.
- Ice-cream and making the same, Gum solution for use in. W. A. West. No. 1,216,383; Feb. 20; v. 235; p. 759.
- Ice-cream and the like, Machine for molding and baking containers for. W. E. Moore. No. 1,245,008; Oct. 30; v. 243; p. 1243.
- Ice-cream and the like, Packaging. F. P. Wood. No. 1,227,725; May 29; v. 238; p. 1390.
- Ice-cream blocks, Container for. L. M. Hendler. No. 1,246,265; Nov. 13; v. 244; p. 365.
- Ice-cream can or container. H. C. French. No. 1,218,640; Mar. 13; v. 236; p. 297.
- Ice-cream cans, pails, and other containers. Liner for. H. S. Allen. No. 1,216,391; Feb. 20; v. 235; p. 762.
- Ice-cream-cone dispenser. J. W. Kennedy. No. 1,218,186; Mar. 6; v. 236; p. 104.
- Ice-cream-cone filler. F. Hillix. No. 1,232,309; July 3; v. 240; p. 259.
- Ice-cream-cone machines, Mold for. W. McLaren. No. 1,232,820; July 10; v. 240; p. 458.
- Ice-cream-cone support. J. Yost. No. 1,213,055; Jan. 16; v. 234; p. 991.
- Ice-cream cones, Machine for making. K. Wessel. No. 1,240,909; Sept. 25; v. 242; p. 789.
- Ice-cream cutter. H. A. Mason. No. 1,231,279; June 26; v. 239; p. 1096.
- Ice-cream dish and holder. R. Sweers. No. 1,234,507; July 24; v. 240; p. 1078.
- Ice-cream freezer. M. F. Elwen and A. L. S. McCurdy. No. 1,230,692; June 19; v. 239; p. 861.
- Ice-cream freezer. T. R. Gibbs. No. 1,240,131; Sept. 11; v. 242; p. 474.
- Ice-cream freezer. J. C. Miller. No. 1,228,804; June 5; v. 239; p. 147.
- Ice-cream freezer. E. Thompson. No. 1,232,122; July 3; v. 240; p. 199.
- Ice-cream freezer. F. Tyson. No. 1,210,727; Jan. 2; v. 234; p. 121.
- Ice-cream freezer. F. Tyson. No. 1,227,702; May 29; v. 238; p. 1382.
- Ice-cream freezer. T. L. Valerius and O. Larsen. No. 1,230,346; June 19; v. 239; p. 746.
- Ice-cream from molds, Means for blowing. L. M. Hendler. No. 1,221,321; Apr. 3; v. 237; p. 113.
- Ice-cream machine. N. C. Collister and C. R. McDonald. No. 1,218,985; Mar. 13; v. 236; p. 421.
- Ice-cream, Making. E. F. W. Wieda. No. 1,228,152; May 29; v. 238; p. 1534.
- Ice-cream-sandwich machine. A. C. Leich and J. S. Berner. No. 1,232,576; July 10; v. 240; p. 378.
- Ice-cream scoop. R. F. Fenchel. No. 1,236,279; Aug. 7; v. 241; p. 241.
- Ice-cream spoon. J. Bluhm. No. 1,246,032; Nov. 6; v. 244; p. 265.
- Ice-cream spoon. A. E. Moos. No. 1,224,007; Apr. 24; v. 237; p. 1153.
- Ice-cream spoon. R. Nielsen. No. 1,238,429; Aug. 28; v. 241; p. 1036.
- Ice-creeper. O. A. Anderson. No. 1,219,688; Mar. 20; v. 236; p. 693.
- Ice-creeper. R. A. Brehm. No. 1,229,406; June 12; v. 239; p. 397.
- Ice-creeper. W. H. Gehm. No. 1,218,756; Mar. 13; v. 236; p. 340.
- Ice-creeper. H. L. Mortensen. No. 1,247,860; Nov. 27; v. 244; p. 901.
- Ice-creeper. G. H. Scheffstrom and O. A. Anderson. No. 1,224,217; May 1; v. 238; p. 36.
- Ice-cutter. E. Bouchane. No. 1,224,840; May 1; v. 238; p. 257.
- Ice-cutter, Electric. G. Pouchan. No. 1,250,010; Dec. 11; v. 245; p. 488.
- Ice-cutting machine. F. G. and J. F. Oehler. No. 1,217,337; Feb. 27; v. 235; p. 1129.
- Ice fragments into an endless bar, Apparatus for continuously pressing. J. W. Hyatt. No. 1,221,054; Apr. 3; v. 237; p. 18.
- Ice-freezing apparatus, Water-agitator for. J. E. Flitcroft. No. 1,213,179; Jan. 23; v. 234; p. 1067.
- Ice from raw water, Method of and apparatus for manufacturing. R. J. Berryman. No. 1,225,213; May 8; v. 238; p. 433.
- Ice-handling apparatus. W. E. Willis. No. 1,218,917; Mar. 13; v. 236; p. 398.
- Ice-harvesting machine. F. A. Warner. No. 1,228,270; May 29; v. 238; p. 1571.
- Ice-hook. J. G. Heidt. No. 1,250,169; Dec. 18; v. 245; p. 574.
- Ice-machine compressor. H. D. Pownall. No. 1,249,822; Dec. 11; v. 245; p. 434.
- Ice-machines, Reboiler for. A. B. Graf. No. 1,236,927; Aug. 14; v. 241; p. 484.
- Ice-making and refrigerating machines, Condenser for. T. Shipley. No. 1,234,438; July 24; v. 240; p. 1056.
- Ice-making and refrigerating machines, Condenser for. T. Shipley. No. 1,234,639; July 24; v. 240; p. 1119.
- Ice-making apparatus. J. H. Bell. No. 1,227,369; May 22; v. 238; p. 1241.
- Ice-making apparatus. G. Sellers. No. 1,224,507; May 1; v. 238; p. 140.
- Ice-making apparatus, Sanitary. W. W. Hagood. No. 1,234,660; July 24; v. 240; p. 1125.
- Ice-making machine. T. H. Ray. No. 1,219,773; Mar. 20; v. 236; p. 721.
- Ice-making, Water-purifier for. J. T. Lagergren. No. 1,211,184; Jan. 2; v. 234; p. 277.
- Ice, Manufacture of. W. F. Wiemann. No. 1,232,146; July 3; v. 240; p. 206.
- Ice-manufacturing apparatus. W. B. Kirkpatrick. No. 1,221,746; Apr. 3; v. 237; p. 258.
- Ice, Means for producing raw-water. G. Sellers. No. 1,212,697; Jan. 16; v. 234; p. 870.
- Ice-packages, Apparatus for forming. L. B. Coshland. No. 1,231,569; July 3; v. 240; p. 9.
- Ice-pick scabbard. J. B. Martelli. No. 1,237,075; Aug. 14; v. 241; p. 531.
- Ice producer, Natural. J. Graf. No. 1,247,821; Nov. 27; v. 244; p. 890.
- Ice-rinks, Electrically-operated apparatus for. D. H. Scott. No. 1,241,289; Sept. 25; v. 242; p. 911.
- Ice-sawing machine. C. B. Gipson. No. 1,245,899; Nov. 6; v. 244; p. 229.
- Ice-sawing machine. H. D. Pratt. No. 1,225,488; May 8; v. 238; p. 528.
- Ice-shaver. F. B. Kinney. No. 1,233,673; July 17; v. 240; p. 773.
- Ice-shaving device. W. R. Daughtry. No. 1,212,915; Jan. 16; v. 234; p. 943.
- Ice-shaving machine. A. Mosca. No. 1,251,087; Dec. 25; v. 245; p. 896.
- Ice-support and water-cooler. G. W. Kafer. No. 1,237,050; Aug. 14; v. 241; p. 524.
- Icebergs, Device for indicating the proximity of. A. Pilger. No. 1,247,325; Nov. 20; v. 244; p. 712.

- Identification-comb. P. R. Quade. No. 1,218,462; Mar. 6; v. 236; p. 198.
- Identification device. C. F. Goldbeck. No. 1,225,324; May 8; v. 238; p. 472.
- Identification device. M. F. Ryerson. No. 1,214,222; Jan. 30; v. 234; p. 1456.
- Identification device. R. Sylvester. No. 1,224,038; Apr. 24; v. 237; p. 1162.
- Igniter. L. Wygodsky. No. 1,237,851; Aug. 21; v. 241; p. 816.
- Igniter and valve mechanism. F. E. Rupright. No. 1,225,681; May 8; v. 238; p. 592.
- Igniters, Manual tripping mechanism for. H. R. Van Deventer. No. 1,245,830; Nov. 6; v. 244; p. 208.
- Igniters, Tripping mechanism for. H. R. Van Deventer. No. 1,245,831; Nov. 6; v. 244; p. 209.
- Igniters, Tripping mechanism for. H. R. Van Deventer. No. 1,245,832; Nov. 6; v. 244; p. 209.
- Igniting and lighting generator. J. M. Wilson. No. 1,219,518; Mar. 20; v. 236; p. 633.
- Igniting and spark-distributing device. E. D. Allensworth. No. 1,213,790; Jan. 23; v. 234; p. 1278.
- Ignition apparatus. E. D. Allensworth. No. 1,213,789; Jan. 23; v. 234; p. 1278.
- Ignition apparatus, Timer for. J. L. Milton. No. 1,236,590; Aug. 14; v. 241; p. 372.
- Ignition control. W. C. Brown. No. 1,224,356; May 1; v. 238; p. 87.
- Ignition control. C. C. Trump. No. 1,227,979; May 29; v. 238; p. 1478.
- Ignition-controlling apparatus. V. A. Fynn. No. 1,216,793; Feb. 20; v. 235; p. 902.
- Ignition-currents, Generating and timing. B. P. and F. I. Remy. No. 1,227,316; May 22; v. 238; p. 1225.
- Ignition cut-out and transmission-lock. L. H. Sparks. No. 1,237,113; Aug. 14; v. 241; p. 544.
- Ignition device. W. A. Chryst. No. 1,227,996; May 29; v. 238; p. 1484.
- Ignition device. B. Dick. No. 1,248,828; Dec. 4; v. 245; p. 120.
- Ignition device. L. H. Gibson. No. 1,224,296; May 1; v. 238; p. 65.
- Ignition device. G. S. Hollister. No. 1,224,299; May 1; v. 238; p. 66.
- Ignition device. C. F. Kettering. No. 1,231,264; June 26; v. 239; p. 1091.
- Ignition device. H. R. Van Deventer. No. 1,244,261; Oct. 23; v. 243; p. 980.
- Ignition devices, Distributor for. C. T. Mason. No. 1,226,234; May 15; v. 238; p. 822.
- Ignition-dynamo. C. T. Mason. (Reissue.) No. 14,373; Oct. 2; v. 243; p. 209.
- Ignition mechanism. F. Conrad. No. 1,248,459; Dec. 4; v. 245; p. 9.
- Ignition mechanism. A. G. McCaleb. No. 1,246,128; Nov. 13; v. 244; p. 324.
- Ignition mechanism. H. V. S. Taylor. No. 1,219,680; Mar. 20; v. 236; p. 690.
- Ignition-switch. J. F. Cavanagh. No. 1,232,458; July 3; v. 240; p. 304.
- Ignition system. B. Ames. No. 1,219,687; Mar. 20; v. 236; p. 692.
- Ignition system. F. Conrad. No. 1,219,704; Mar. 20; v. 236; p. 699.
- Ignition system. V. A. Fynn. No. 1,216,792; Feb. 20; v. 235; p. 902.
- Ignition system. V. A. Fynn. No. 1,248,840; Dec. 4; v. 245; p. 123.
- Ignition system. C. F. Kettering. No. 1,223,180; Apr. 17; v. 237; p. 835.
- Ignition system. C. F. Kettering. No. 1,233,369; July 17; v. 240; p. 671.
- Ignition system. C. T. Mason. No. 1,231,043; June 26; v. 239; p. 1018.
- Ignition system. R. McClenathen. No. 1,221,199; Apr. 3; v. 237; p. 70.
- Ignition system. R. McClenathen. No. 1,221,200; Apr. 3; v. 237; p. 70.
- Ignition system. H. R. Van Deventer. No. 1,229,351; June 12; v. 239; p. 378.
- Ignition system. R. Varley. No. 1,230,541; June 19; v. 239; p. 811.
- Ignition system. E. C. Wilcox. No. 1,251,314; Dec. 25; v. 245; p. 964.
- Ignition system and apparatus. R. Varley. No. 1,225,533; May 8; v. 238; p. 541.
- Ignition system and apparatus. R. Varley. No. 1,230,540; June 19; v. 239; p. 810.
- Ignition systems, Distributor for. W. W. Dean. No. 1,229,045; June 5; v. 239; p. 225.
- Ignition systems, Rocking distributor for. C. T. Mason. No. 1,241,412; Sept. 25; v. 242; p. 946.
- Ignition-timer. E. B. Jacobson. No. 1,213,495; Jan. 23; v. 234; p. 1178.
- Ignition unit, Self-contained high-tension battery. F. R. Hoyt. No. 1,216,125; Feb. 13; v. 235; p. 617.
- Ignition-unit system, Self-contained high-tension battery. F. R. Hoyt. No. 1,216,124; Feb. 13; v. 235; p. 617.
- Illuminated switch and indicator. R. W. Davenport. No. 1,213,845; Jan. 30; v. 234; p. 1328.
- Illuminating apparatus. J. T. Roffy. No. 1,245,512; Nov. 6; v. 244; p. 112.
- Illuminating apparatus. W. D. Ryan. No. 1,218,476; Mar. 6; v. 236; p. 202.
- Illuminating appliance. F. A. Andrews and T. G. Allen. No. 1,230,645; June 19; v. 239; p. 846.
- Illuminating appliance. E. C. McKinnie. No. 1,212,375; Jan. 16; v. 234; p. 753.
- Illuminating appliance. O. A. Mygatt. No. 1,236,594; Aug. 14; v. 241; p. 374.
- Illuminating device. R. B. Benjamin. No. 1,245,083; Oct. 30; v. 243; p. 1266.
- Illuminating device. A. Sundh. No. 1,230,942; June 26; v. 239; p. 982.
- Illuminating device. E. J. Thurber. No. 1,238,220; Aug. 28; v. 241; p. 967.
- Illuminating means. H. J. Schlacks. No. 1,241,031; Sept. 25; v. 242; p. 827.
- Illuminating means, Decorative. A. C. Abramson. No. 1,250,120; Dec. 18; v. 245; p. 559.
- Illumination-controller. G. H. Scherff. No. 1,212,115; Jan. 9; v. 234; p. 630.
- Illumination, Interior. E. A. Richter. No. 1,249,500; Dec. 11; v. 245; p. 340.
- Illustrations, Producing. T. Wensel. No. 1,217,250; Feb. 27; v. 235; p. 1101.
- Image device, Plural. E. Hall. No. 1,218,082; Mar. 6; v. 236; p. 67.
- Image device, Plural. E. Hall. No. 1,219,731; Mar. 20; v. 236; p. 708.
- Impaling article. P. A. Muraf. No. 1,242,965; Oct. 16; v. 243; p. 551.
- Implement. A. Gray. No. 1,219,726; Mar. 20; v. 236; p. 706.
- Implement. E. Kinzel. No. 1,211,175; Jan. 2; v. 234; p. 273.
- Implement-frame. W. Daigh. No. 1,244,838; Oct. 30; v. 243; p. 1192.
- Imposition-frame. C. J. Scherrer. No. 1,228,973; June 5; v. 239; p. 201.
- Impregnated soil and making the same. L. H. Baekeland. No. 1,213,726; Jan. 23; v. 234; p. 1257.
- Impregnating artificial and natural materials. B. Schwerin. No. 1,238,202; Aug. 28; v. 241; p. 962.
- Impregnating fluid, Treating pieces of material of non-uniform moisture content to an. G. H. Hess. No. 1,241,973; Oct. 2; v. 243; p. 160.
- Impregnating process. A. L. Brown. No. 1,248,447; Dec. 4; v. 245; p. 6.
- Impress-record apparatus. T. De Roode. No. 1,241,097; Sept. 25; v. 242; p. 847.
- Impression-roll. J. W. McIndoe and A. E. Whitney. No. 1,230,190; June 19; v. 239; p. 694.
- Impressions to metal or other substances, Apparatus for imparting mechanical. J. E. Laferriere. No. 1,245,599; Nov. 6; v. 244; p. 139.
- Impulse-control system. A. E. Lundell. No. 1,242,009; Oct. 2; v. 243; p. 172.
- Impulse-motor. L. R. McDonald. No. 1,230,497; June 19; v. 239; p. 795.
- Impulse-sender. C. L. Goodrum and L. Von Nagy. No. 1,237,503; Aug. 21; v. 241; p. 704.
- Impulse-sending device. H. P. Clausen. No. 1,238,107; Aug. 28; v. 241; p. 930.
- Impulse-transmitting device. A. H. Adams. No. 1,238,076; Aug. 28; v. 241; p. 919.
- Incandescent bodies, Apparatus for automatically exchanging. G. Dalén. No. 1,210,769; Jan. 2; v. 234; p. 134.
- Incandescent light for projection apparatus. E. L. Clark. No. 1,221,418; Apr. 3; v. 237; p. 146.
- Incandescent mantle. S. Gulbrandsen. (Reissue.) No. 14,241; Jan. 2; v. 234; p. 344.
- Incandescent mantle, Limp. S. Gulbrandsen. (Reissue.) No. 14,242; Jan. 2; v. 234; p. 344.
- Incinerating apparatus. O. M. Shannon. No. 1,218,325; Mar. 6; v. 236; p. 153.
- Incinerator. F. H. Collins and M. L. Pellett. No. 1,230,380; June 19; v. 239; p. 756.
- Incinerator. I. Helseth. No. 1,245,914; Nov. 6; v. 244; p. 233.
- Incinerator. W. McCanse. No. 1,238,034; Aug. 21; v. 241; p. 874.
- Incinerator. F. A. Nieberding. No. 1,235,918; Aug. 7; v. 241; p. 123.
- Incinerator. E. N. Stacy. No. 1,211,979; Jan. 9; v. 234; p. 587.
- Incinerator. F. O. Wells. No. 1,232,138; July 3; v. 240; p. 204.
- Inclinometer. D. M. Wilcox. No. 1,222,831; Apr. 17; v. 237; p. 713.
- Inclosed, forced-draft burner. J. Good. No. 1,231,152; June 26; v. 239; p. 1055.
- Incubating and chicken-raising apparatus. L. Bond. No. 1,227,377; May 22; v. 238; p. 1244.
- Incubator. A. E. Allison. No. 1,231,112; June 26; v. 239; p. 1042.
- Incubator. T. M. Collier. No. 1,216,949; Feb. 20; v. 235; p. 953.
- Incubator. R. C. Hamilton. No. 1,225,953; May 15; v. 238; p. 727.
- Incubator. J. H. Kate. No. 1,219,643; Mar. 20; v. 236; p. 677.
- Incubator. J. H. Kate. No. 1,231,029; June 26; v. 239; p. 1013.
- Incubator. B. W. Mendenhall. No. 1,214,053; Jan. 30; v. 234; p. 1400.

Alphabetical list of inventions—Continued.

- Incubator. F. W. Mills. No. 1,218,293; Mar. 6; v. 236; p. 142.
- Incubator. W. E. Swift. No. 1,232,868; July 10; v. 240; p. 474.
- Incubator-alarm. H. V. Flickinger. No. 1,219,814; Mar. 20; v. 236; p. 737.
- Incubator-alarm. P. S. Martin. No. 1,213,798; Jan. 23; v. 234; p. 1281.
- Incubator-brooder. C. H. Sperle. No. 1,211,977; Jan. 9; v. 234; p. 587.
- Incubator, Electrical. J. D. Graves. No. 1,213,353; Jan. 23; v. 234; p. 1130.
- Incubator-heater. C. Nutter. No. 1,242,230; Oct. 9; v. 243; p. 282.
- Incubator-regulator. C. C. Carter. No. 1,243,707; Oct. 23; v. 243; p. 809.
- Incubators, Air-moistening attachment for. W. L. Cornell. No. 1,220,497; Mar. 27; v. 236; p. 1015.
- Incubators and brooders, Heating and ventilating system for. A. B. Bond. No. 1,247,496; Nov. 20; v. 244; p. 761.
- Incubators, Apparatus for regulating the temperature of. E. F. Thum. No. 1,212,283; Jan. 16; v. 234; p. 722.
- Incubators, Automatic moisture and ventilation regulator for. W. W. Smith. No. 1,224,336; May 1; v. 238; p. 80.
- Incubators, Damper and heat-regulator for. L. A. Brown. No. 1,220,946; Mar. 27; v. 236; p. 1167.
- Incubators, Flame-regulator for. L. B. Griffin. No. 1,225,239; May 8; v. 238; p. 441.
- Incubators, Gas and smoke sealing device for. J. H. Kate. No. 1,229,091; June 5; v. 239; p. 240.
- Incubators, Moisture-supplying device for. D. O. Lager. No. 1,227,542; May 22; v. 238; p. 1298.
- Incubators, Roller-shelf for. C. Sr., and J. Selby, Jr. No. 1,235,066; July 31; v. 240; p. 1285.
- Incubators, Rotary egg-support for. O. Ernst. No. 1,242,670; Oct. 9; v. 243; p. 423.
- Incubators, Thermometer-holder for. L. A. Brown. No. 1,225,570; May 8; v. 238; p. 555.
- Incubators, Thermostatic regulator for. A. Kladiwa. No. 1,228,568; June 5; v. 239; p. 66.
- Index. C. M. Cott. No. 1,216,215; Feb. 13; v. 235; p. 648.
- Index. J. Kahn. No. 1,246,933; Nov. 20; v. 244; p. 601.
- Index. G. S. White. No. 1,239,751; Sept. 11; v. 242; p. 357.
- Index, Adjustable-unit visible-card. H. Millard. No. 1,210,670; Jan. 2; v. 234; p. 112.
- Index, Book-. L. R. Smith. No. 1,222,568; Apr. 10; v. 237; p. 582.
- Index, Card-. A. Moses. No. 1,233,388; July 17; v. 240; p. 678.
- Index, Card-. J. H. Rand. No. 1,227,660; May 29; v. 238; p. 1368.
- Index, Card-. J. H. Rand. No. 1,227,661; May 29; v. 238; p. 1368.
- Index-cards and the like, Machine for cutting, printing, and stacking. I. Wagemaker. No. 1,245,645; Nov. 6; v. 244; p. 153.
- Index device. J. H. Rand. No. 1,227,662; May 29; v. 238; p. 1369.
- Index device. J. H. Rand. No. 1,227,663; May 29; v. 238; p. 1369.
- Index device. J. H. Rand. No. 1,227,664; May 29; v. 238; p. 1370.
- Index device. J. H. Rand. No. 1,227,665; May 29; v. 238; p. 1370.
- Index element for card-index systems. J. H. Rand. No. 1,248,910; Dec. 4; v. 245; p. 142.
- Index element for card-index systems. J. H. Rand. No. 1,248,911; Dec. 4; v. 245; p. 142.
- Index, Filing-. H. B. McCullough. No. 1,222,881; Apr. 17; v. 237; p. 731.
- Index-frame. H. J. McCauley. No. 1,244,622; Oct. 30; v. 243; p. 1126.
- Index member. J. H. Rand. No. 1,248,712; Dec. 4; v. 245; p. 84.
- Index or file. R. D. Hayes. No. 1,223,168; Apr. 17; v. 237; p. 830.
- Index or file. R. D. Hayes. No. 1,224,636; May 1; v. 238; p. 185.
- Index, Reference-. E. F. Dayton. No. 1,250,568; Dec. 18; v. 245; p. 694.
- Index system, Card-. J. H. Rand, Jr. No. 1,238,332; Aug. 28; v. 241; p. 1006.
- Index-tab. W. F. Deuss. No. 1,220,402; Mar. 27; v. 236; p. 982.
- Indexes by means of multiphase-wound bodies, Apparatus for transmitting movements or positions of. E. Beckmann. No. 1,211,050; Jan. 2; v. 234; p. 232.
- Indexing broach mechanism. R. R. Lapointe. No. 1,233,373; July 17; v. 240; p. 673.
- Indexing device, Card-. O. B. Higdon. No. 1,237,336; Aug. 21; v. 241; p. 652.
- Indexing, Means employed in mechanical. A. R. Ferguson. No. 1,234,320; July 24; v. 240; p. 1016.
- Indexing system, Employee's. A. Legault. No. 1,244,061; Oct. 23; v. 243; p. 919.
- Indicating and recording apparatus. B. F. Merritt. No. 1,218,795; Mar. 13; v. 236; p. 354.
- Indicating and recording system. A. F. Dixon. No. 1,251,190; Dec. 25; v. 245; p. 927.
- Indicating device. J. Mohn. No. 1,224,949; May 8; v. 238; p. 345.
- Indicating device. L. E. Sutter, Jr. No. 1,232,120; July 3; v. 240; p. 198.
- Indicating device, Audible. H. B. Barnes. No. 1,243,915; Oct. 23; v. 243; p. 876.
- Indicating mechanism. M. U. Bernheim. No. 1,238,059; Aug. 21; v. 241; p. 882.
- Indicating mechanism. H. Y. Norwood. No. 1,250,209; Dec. 18; v. 245; p. 586.
- Indicating mechanism. R. E. Thompson. No. 1,225,527; May 8; v. 238; p. 539.
- Indicating, registering, recording, and check-printing mechanism. W. D. McCoy. No. 1,239,708; Sept. 11; v. 242; p. 345.
- Indicating systems, Controller for. A. Zeisel. No. 1,224,827; May 1; v. 238; p. 252.
- Indication-transmitting apparatus. J. Perepelkin. No. 1,236,976; Aug. 14; v. 241; p. 500.
- Indicator: See—
- Amount-indicator.
- Automobile-indicator.
- Automobile direction-indicator.
- Automobile grade-indicator.
- Automobile route-indicator.
- Automobile traffic-indicator.
- Bottle-indicator.
- Camera-indicator.
- Camera exposure-indicator.
- Car and railway indicator.
- Carbonic-acid indicator.
- Circuit-indicator.
- Condyle-indicator.
- Container-indicator.
- Cream-separator speed-indicator.
- Cutter-setting indicator.
- Deflection-indicator.
- Direction-indicator.
- Draft-indicator.
- Drill and tap indicator.
- Electric indicator.
- Engine-revolution indicator.
- Fare-indicator.
- Faucet-indicator.
- Film-cutting indicator.
- Flood-operated indicator.
- Flow-indicator.
- Heat-indicator.
- Interest-indicator.
- Kitchen-indicator.
- Liquid-flow indicator.
- Liquid-level indicator.
- Load-indicator.
- Mail-box indicator.
- Maximum-demand indicator.
- Micrometer-indicator.
- Music-indicator.
- Musical-instrument indicator.
- Oil-indicator.
- Oil-feed indicator.
- Oil-level indicator.
- Order-indicator.
- Plotting-indicator.
- Poison-indicator.
- Portable indicator.
- Pressure-indicator.
- Pump-indicator.
- Rafter-cut indicator.
- Railway-train time-indicator.
- Rain-indicator.
- Road-indicator.
- Route-indicator.
- Seat-indicator.
- Ship-indicator.
- Speed-indicator.
- Station-indicator.
- Station or street indicator.
- Steering-wheel indicator.
- Stencil-indicator.
- Stock-indicator.
- Street-indicator.
- Street and station indicator.
- Street or station indicator.
- Switch-indicator.
- Synchronism-indicator.
- Talking-machine speed-indicator.
- Test-indicator.
- Thermostatic indicator.
- Track-hazard indicator.
- Train-indicator.
- Valve-indicator.
- Vehicle-indicator.
- Vehicle direction-indicator.
- Vehicle grade-indicator.
- Water-stage indicator.
- Weather-vane indicator.
- Winding-indicator.
- Work and time indicator.
- Indicator. C. W. Berry. No. 1,244,019; Oct. 23; v. 243; p. 908.
- Indicator. J. T. Campbell. No. 1,220,318; Mar. 27; v. 236; p. 952.
- Indicator. G. Eacret. No. 1,222,269; Apr. 10; v. 237; p. 475.
- Indicator. J. I. Gungle. No. 1,220,981; Mar. 27; v. 236; p. 1178.
- Indicator. J. L. Harrington, E. E. Howard, and L. R. Ash. No. 1,234,021; July 17; v. 240; p. 883.
- Indicator. M. L. James. No. 1,216,456; Feb. 20; v. 235; p. 785.
- Indicator. C. R. Krone. No. 1,246,615; Nov. 13; v. 244; p. 472.
- Indicator. M. C. Kuhn and H. C. Shoolbred. No. 1,218,281; Mar. 6; v. 236; p. 139.
- Indicator. G. F. McLaughlin. No. 1,247,981; Nov. 27; v. 244; p. 935.
- Indicator. J. F. O'Connor. No. 1,225,996; May 15; v. 238; p. 741.
- Indicator. H. Peters. No. 1,213,406; Jan. 23; v. 234; p. 1147.
- Indicator. A. L. Stevens. No. 1,216,876; Feb. 20; v. 235; p. 929.
- Indicator-alarm. C. Roma. No. 1,217,882; Feb. 27; v. 235; p. 1320.
- Indicator and recorder, Combined. H. A. Landis. No. 1,235,334; July 31; v. 240; p. 1366.
- Indicator system. E. H. Wildasin. No. 1,237,133; Aug. 14; v. 241; p. 549.
- Indicator system. A. Zeisel. No. 1,213,723; Jan. 23; v. 234; p. 1256.
- Indigo fermentation-vat, Stable concentrated preparation for the. A. Schmidt. No. 1,239,526; Sept. 11; v. 242; p. 285.
- Individual table. A. E. Holmberg and E. Sandelius. No. 1,247,112; Nov. 20; v. 244; p. 652.

- Indophenolic compounds and of dyestuffs therefrom, Manufacture of new. E. Wray. No. 1,247,475; Nov. 20; v. 244; p. 756.
- Indoxyl and derivatives, Making. L. E. H. Cone. No. 1,211,413; Jan. 9; v. 234; p. 389.
- Indoxyl and derivatives, Making. L. E. H. Cone. (Re-issue.) No. 1,4364; Sept. 25; v. 242; p. 969.
- Inductance-coil. D. R. Price. No. 1,213,689; Jan. 23; v. 234; p. 1245.
- Inductance-coils, Manufacturing. W. Fondiller. No. 1,212,755; Jan. 16; v. 234; p. 890.
- Inductance device. L. Espenschied. No. 1,233,768; July 17; v. 240; p. 801.
- Induction-coil. C. A. Ferrell. No. 1,223,947; Apr. 24; v. 237; p. 1132.
- Induction-coil controller. M. P. Mitchell. No. 1,222,885; Apr. 17; v. 237; p. 733.
- Induction device. A. H. Neuland. No. 1,227,185; May 22; v. 238; p. 1182.
- Induction device. A. H. Neuland. No. 1,237,944; Aug. 21; v. 241; p. 844.
- Induction-furnace, Electrical. J. R. Wyatt. No. 1,235,629; Aug. 7; v. 241; p. 33.
- Induction-furnace, Lateral-channel. J. R. Wyatt. No. 1,235,628; Aug. 7; v. 241; p. 32.
- Induction-furnace, Multiphase. J. R. Wyatt. No. 1,235,630; Aug. 7; v. 241; p. 33.
- Induction-machine. A. H. Neuland. No. 1,237,681; Aug. 21; v. 241; p. 763.
- Induction-motor. B. F. Bailey, J. M. Barr, O. S. More, and L. G. Long. No. 1,216,397; Feb. 20; v. 235; p. 765.
- Induction-motor. F. Blanc. No. 1,224,895; May 8; v. 238; p. 326.
- Induction-motor. A. M. Dudley. No. 1,232,012; July 3; v. 240; p. 160.
- Induction-motor, Alternating-current. B. McCollum. No. 1,226,091; May 15; v. 238; p. 775.
- Induction-motor, Multispeed. R. W. Davis. No. 1,218,747; Mar. 13; v. 236; p. 337.
- Induction-motor system. H. F. Stratton. No. 1,237,226; Aug. 14; v. 241; p. 577.
- Induction-motors, Controlling. R. V. Sill. No. 1,245,993; Nov. 6; v. 244; p. 253.
- Inductive interference, Means for minimizing. C. F. Scott. No. 1,217,511; Feb. 27; v. 235; p. 1194.
- Infants, Device for the care of. K. V. Ginn. No. 1,216,438; Feb. 20; v. 235; p. 779.
- Infants to walk, Device for use in instructing. A. Perna. No. 1,222,664; Apr. 17; v. 237; p. 657.
- Inflammable liquid and producing the same. J. Greer. No. 1,236,557; Aug. 14; v. 241; p. 363.
- Inflating device. G. Keith. No. 1,225,137; May 8; v. 238; p. 408.
- Inflating system. B. O. Stark. No. 1,217,234; Feb. 27; v. 235; p. 1095.
- Infusions, Device for preparing. A. I. Gonsalves. No. 1,238,759; Sept. 4; v. 242; p. 12.
- Ingot and ingot-mold. E. Gathmann. No. 1,241,618; Oct. 2; v. 243; p. 49.
- Ingot-mold. G. A. Dornin. No. 1,210,774; Jan. 2; v. 234; p. 136.
- Ingot-mold. G. A. Dornin. No. 1,223,775; Apr. 24; v. 237; p. 1074.
- Ingot-mold. E. Gathmann. No. 1,246,738; Nov. 13; v. 244; p. 507.
- Ingot-mold. S. E. Hitt and J. I. Peyton. No. 1,230,405; June 19; v. 239; p. 764.
- Ingot-mold. A. Laitsch. No. 1,229,295; June 12; v. 239; p. 360.
- Ingot-mold. J. Scott. No. 1,245,046; Oct. 30; v. 243; p. 1254.
- Ingot-mold. C. R. Stewart and G. E. Thackray. No. 1,235,166; July 31; v. 240; p. 1315.
- Ingot-mold. H. Suthann. No. 1,243,779; Oct. 23; v. 243; p. 834.
- Ingot-mold and ingot produced thereby. A. F. Clarke. No. 1,224,277; May 1; v. 238; p. 58.
- Ingot-mold feeder. E. J. Turner. No. 1,211,899; Jan. 9; v. 234; p. 558.
- Ingot-mold flask. J. B. Walker. No. 1,221,117; Apr. 3; v. 237; p. 39.
- Ingot-molds, Collapsible core for. J. B. Walker. No. 1,221,116; Apr. 3; v. 237; p. 39.
- Ingot-molds, Pouring-head for. C. L. Huston. No. 1,240,722; Sept. 18; v. 242; p. 696.
- Inhaler. E. M. Fletcher. No. 1,231,787; July 3; v. 240; p. 84.
- Inhaler. A. C. Shepherd. No. 1,218,906; Mar. 13; v. 236; p. 394.
- Inhaler, Anesthetic. G. W. Gay. No. 1,222,619; Apr. 17; v. 237; p. 640.
- Inhaler, Facial. C. K. Teter. No. 1,244,661; Oct. 30; v. 243; p. 1138.
- Injecting saline and other solutions, Apparatus for. R. S. Hallock. No. 1,223,274; Apr. 17; v. 237; p. 862.
- Injection-protector, Posterior. E. A. Bartlett. No. 1,225,000; May 8; v. 238; p. 362.
- Injector. J. W. Grantland. No. 1,225,617; May 8; v. 238; p. 572.
- Ink and making the same. A. Rogers. No. 1,224,668; May 1; v. 238; p. 197.
- Ink and producing same. R. Hochstetter. No. 1,226,884; May 22; v. 238; p. 1079.
- Ink and the like, Printing. F. J. Baumgardner. No. 1,234,264; July 24; v. 240; p. 998.
- Ink composition, Printing. G. C. Woolley. No. 1,237,136; Aug. 14; v. 241; p. 550.
- Ink-distributor. W. J. Ramsaler. No. 1,239,129; Sept. 4; v. 242; p. 132.
- Ink-distributing mechanism. E. J. Smith. No. 1,249,681; Dec. 11; v. 245; p. 392.
- Ink-fountains, Bearing-joint of. B. D. Stevens. No. 1,231,661; July 3; v. 240; p. 41.
- Ink-guard for typists' fingers. J. A. Gavin. No. 1,235,199; July 31; v. 240; p. 1325.
- Ink, Medicated printers'. W. T. Billings. No. 1,233,962; July 17; v. 240; p. 866.
- Ink-pad box. R. C. Barler. No. 1,218,160; Mar. 6; v. 236; p. 95.
- Ink-pad holder. C. Ambruster. No. 1,244,683; Oct. 30; v. 243; p. 1145.
- Ink-removing and bleaching compound. I. J. Wright. No. 1,226,735; May 22; v. 238; p. 1028.
- Ink-rollers, Operating mechanism for. S. G. Goss. No. 1,225,800; May 15; v. 238; p. 675.
- Ink-supply contrivance. J. E. Doyle. No. 1,222,747; Apr. 17; v. 237; p. 685.
- Ink-well. L. B. James. No. 1,218,663; Mar. 13; v. 236; p. 396.
- Ink-well. P. H. Sereff. No. 1,242,991; Oct. 16; v. 243; p. 559.
- Ink-well. F. A. Zemojtel. No. 1,246,214; Nov. 13; v. 244; p. 350.
- Ink-well, Automatic. C. H. Holdredge. No. 1,228,921; June 5; v. 239; p. 185.
- Inking device. V. J. Peaks. No. 1,211,341; Jan. 2; v. 234; p. 330.
- Inking-machine. L. J. Van Guelpen. No. 1,249,563; Dec. 11; v. 245; p. 358.
- Inking means for use in postal franking and like machines. E. Moss. No. 1,232,831; July 10; v. 240; p. 461.
- Inking mechanism. R. Hoe. No. 1,214,787; Feb. 6; v. 235; p. 105.
- Inking mechanism. B. C. White. No. 1,214,856; Feb. 6; v. 235; p. 128.
- Inking mechanism, Variable-speed. E. J. Smith. No. 1,234,403; July 24; v. 240; p. 1045.
- Inking or coloring the edges of leather or other material, Machine for. W. Stuebing, Jr., and L. J. Van Guelpen. (Reissue.) No. 1,4345; Aug. 21; v. 241; p. 888.
- Inking-pad. E. G. Woody. No. 1,241,322; Sept. 25; v. 242; p. 920.
- Inking-plate heater. J. E. Doyle. No. 1,222,745; Apr. 17; v. 237; p. 684.
- Inkstand. F. La Chapelle. No. 1,223,703; Apr. 24; v. 237; p. 1048.
- Inkstand. T. K. Smith. No. 1,227,009; May 22; v. 238; p. 1123.
- Inner tube. A. B. Shaw. No. 1,242,252; Oct. 9; v. 243; p. 289.
- Inner-tube protector. G. Starke. No. 1,220,568; Mar. 27; v. 236; p. 1040.
- Inner tube, Self-healing. N. C. Doss. No. 1,234,144; July 24; v. 240; p. 959.
- Inner tubes, Means to deflate. H. N. Eversole, H. R. Cawthon, and H. I. Owen. No. 1,229,734; June 12; v. 239; p. 506.
- Innersole. F. P. Murphy, J. P. McKeever, and H. E. Peters. No. 1,227,483; May 22; v. 238; p. 1278.
- Innersole-leveling knife. F. M. Dore. No. 1,211,555; Jan. 9; v. 234; p. 438.
- Innersoles, Means for applying stitch-receiving ribs to. J. V. Poole. No. 1,244,891; Oct. 30; v. 243; p. 1209.
- Inseam-trimming machine. A. Eppler. No. 1,226,872; May 22; v. 238; p. 1075.
- Insect-beater. W. W. Kester. No. 1,225,971; May 15; v. 238; p. 733.
- Insect-catcher. W. A. Miller. No. 1,245,258; Nov. 6; v. 244; p. 35.
- Insect-catcher. G. Parks. No. 1,248,899; Dec. 4; v. 245; p. 139.
- Insect-catcher. D. D. Stephens. No. 1,220,286; Mar. 27; v. 236; p. 941.
- Insect-catching means. A. F. Etheridge. No. 1,214,444; Jan. 30; v. 234; p. 1533.
- Insect collecting and destroying machine. A. Penn. No. 1,238,188; Aug. 28; v. 241; p. 958.
- Insect-collecting attachment. B. F. Stebbins and B. W. Forehand. No. 1,243,888; Oct. 23; v. 243; p. 869.
- Insect-destroyer. A. H. Clement. No. 1,244,834; Oct. 30; v. 243; p. 1191.
- Insect-destroyer. E. C. Grover. No. 1,249,071; Dec. 4; v. 245; p. 186.
- Insect-destroyer. P. Kolb. No. 1,218,188; Mar. 6; v. 236; p. 104.
- Insect-destroyer. G. C. Tucker. No. 1,236,629; Aug. 14; v. 241; p. 385.
- Insect-destroyer. R. L. Wood. No. 1,222,706; Apr. 17; v. 237; p. 671.
- Insect-destroying apparatus. R. W. Geeslin. No. 1,219,096; Mar. 13; v. 236; p. 458.
- Insect-eradicator. M. Reynolds. No. 1,234,214; July 24; v. 240; p. 981.
- Insect-exteriorator. N. Cross. No. 1,229,236; June 12; v. 239; p. 339.

Alphabetical list of inventions—Continued.

- Insect-exterminator. C. T. and J. N. Russell. No. 1,213,024; Jan. 16; v. 234; p. 982.
- Insect gathering and killing machine. F. W. Gravunder. No. 1,245,706; Nov. 6; v. 244; p. 171.
- Insect-guard. E. Chalupa, D. and D. Brooks, Jr. No. 1,218,595; Mar. 6; v. 236; p. 244.
- Insect-guard. J. D. Henderson and C. Zolninger. No. 1,213,638; Jan. 23; v. 234; p. 1228.
- Insect-guard. R. F. Kreiter. No. 1,221,999; Apr. 10; v. 237; p. 381.
- Insect-killer. I. W. Mason. No. 1,239,501; Sept. 11; v. 242; p. 277.
- Insect-killer. A. E. Rochfort. No. 1,228,701; June 5; v. 239; p. 111.
- Insect-trap. J. R. V. Bilnck. No. 1,229,021; June 5; v. 239; p. 217.
- Insect-trap. H. S. Brown. No. 1,232,762; July 10; v. 240; p. 440.
- Insect-trap. J. T. Goodrum, Jr. No. 1,231,877; July 3; v. 240; p. 115.
- Insect-trap. J. G. Higgins. No. 1,249,753; Dec. 11; v. 245; p. 414.
- Insect-trap. E. E. and W. H. Pearson. No. 1,239,302; Sept. 4; v. 242; p. 187.
- Insect-trap. C. A. Pipenhagen. No. 1,217,343; Feb. 27; v. 235; p. 1132.
- Insect-trap. A. Rozwud. No. 1,219,665; Mar. 20; v. 236; p. 685.
- Insect-trap. E. Sassenhoff. No. 1,247,724; Nov. 27; v. 244; p. 861.
- Insect-trap and screen-frame, Combined. A. N. Olsen. No. 1,248,427; Nov. 27; v. 244; p. 1059.
- Insects, flies, or the like, Implement or device for killing or disabling. J. L. Bennett. No. 1,218,619; Mar. 13; v. 236; p. 290.
- Insects, flies, or the like, Implement or device for killing or disabling. A. W. Cash. No. 1,237,168; Aug. 14; v. 241; p. 559.
- Insecticidal composition. W. R. Macklind and E. C. Holton. No. 1,244,453; Oct. 23; v. 243; p. 1036.
- Insecticide. J. B. Barrett. No. 1,230,648; June 19; v. 239; p. 847.
- Insecticide-distributor. W. M. Swearingen. No. 1,237,123; Aug. 14; v. 241; p. 547.
- Insecticide-holder. L. Abadie. No. 1,236,245; Aug. 7; v. 241; p. 231.
- Insecticide, Making an. W. R. Macklind and E. C. Holton. No. 1,243,323; Oct. 16; v. 243; p. 661.
- Insecticide or fungicide and making same. R. V. Brown. No. 1,235,285; July 31; v. 240; p. 1351.
- Insecticide, sheep-dip, and the like. G. J. Lemmens and P. J. Fryer. No. 1,242,954; Oct. 16; v. 243; p. 548.
- Insecticide, sheep-dip, animal-wash, and the like. G. J. Lemmens and P. J. Fryer. No. 1,242,955; Oct. 16; v. 243; p. 548.
- Insecticides to animals, Device for applying. T. Lennox. No. 1,211,187; Jan. 2; v. 234; p. 278.
- Insert. C. P. Osborn. No. 1,219,762; Mar. 20; v. 236; p. 718.
- Insert, Metallic. F. G. and H. O. McMillan. No. 1,240,993; Sept. 25; v. 242; p. 815.
- Insetting-machine. E. R. Kast. No. 1,236,445; Aug. 14; v. 241; p. 326.
- Insole. W. H. Baynard. No. 1,220,061; Mar. 20; v. 236; p. 823.
- Insole. H. W. Halley. No. 1,236,427; Aug. 14; v. 241; p. 320.
- Insole. F. R. Keith. No. 1,211,168; Jan. 2; v. 234; p. 271.
- Insole. F. R. Keith. No. 1,232,691; July 10; v. 240; p. 416.
- Insole. B. West. No. 1,219,890; Mar. 20; v. 236; p. 763.
- Insole-blank and preparing it. A. E. Johnson. No. 1,212,490; Jan. 16; v. 234; p. 793.
- Insole, Canvas welt. W. E. Clayton. No. 1,217,708; Feb. 27; v. 235; p. 1263.
- Insole, Cushion-. L. Spirlin. No. 1,213,965; Jan. 30; v. 234; p. 1369.
- Insole-fitting machine. A. E. Johnson. No. 1,217,455; Feb. 27; v. 235; p. 1173.
- Insole for shoes. T. M. Hays. No. 1,248,108; Nov. 27; v. 244; p. 969.
- Insole for shoes, Welt-. W. E. Clayton. No. 1,217,153; Feb. 27; v. 235; p. 1069.
- Insole-making machine. E. Coey. No. 1,238,268; Aug. 28; v. 241; p. 984.
- Insole-reinforcing machine. F. E. Bertrand. No. 1,218,046; Mar. 6; v. 236; p. 56.
- Insole-reinforcing machine. J. J. Kane. No. 1,236,715; Aug. 14; v. 241; p. 416.
- Insole structure. H. Alberts. No. 1,236,528; Aug. 14; v. 241; p. 353.
- Insoles, Apparatus for turning and securing channel-lips of welt-. H. W. Belter. No. 1,250,776; Dec. 18; v. 245; p. 754.
- Insoles, Canvas laying and creasing machine for. H. S. Mirandette. No. 1,236,467; Aug. 14; v. 241; p. 332.
- Insoles for reinforcing, Machine for preparing. A. E. Johnson. No. 1,216,130; Feb. 13; v. 235; p. 619.
- Insoles, Machine for applying reinforcement to. G. L. Rollins. No. 1,210,696; Jan. 2; v. 234; p. 110.
- Insoles, Machine for making composite. F. Zaleski. No. 1,227,729; May 29; v. 238; p. 1392.
- Insoles, Machine for operating on. W. H. Hooper. No. 1,247,836; Nov. 27; v. 244; p. 895.
- Insoles, Machine for operating on. G. J. Kilb. No. 1,243,951; Oct. 23; v. 243; p. 887.
- Insoles, Machine for operating upon. J. W. Cosgrove and E. Erickson. No. 1,246,237; Nov. 13; v. 244; p. 357.
- Insoles, Machine for trimming the canvas of reinforced. T. Ringenbach. No. 1,216,497; Feb. 20; v. 235; p. 799.
- Insoles, Machine for turning the lips of. A. R. Schoenky. No. 1,220,691; Mar. 27; v. 236; p. 1081.
- Insoles, Making composite. F. Zaleski. No. 1,211,520; Jan. 9; v. 234; p. 425.
- Instep-arch support. W. H. Wood. No. 1,232,153; July 3; v. 240; p. 209.
- Instep-raiser, Cushion. J. Rothstein. No. 1,215,198; Feb. 6; v. 235; p. 250.
- Instillation apparatus. P. S. Pittenger. No. 1,236,865; Aug. 14; v. 241; p. 463.
- Instrument. J. A. Clarke. No. 1,222,525; Apr. 10; v. 237; p. 565.
- Instrument. C. J. Kennedy. No. 1,225,969; May 15; v. 238; p. 732.
- Insulated receptacle. A. J. McArthur. No. 1,237,533; Aug. 21; v. 241; p. 715.
- Insulated vessel, Double-walled vacuum-. E. L. Greene-wald. No. 1,237,327; Aug. 21; v. 241; p. 649.
- Insulating-bushing, High-voltage. C. L. Fortescue. No. 1,217,890; Feb. 27; v. 235; p. 1323.
- Insulating composition. L. H. Baekeland. No. 1,216,265; Feb. 20; v. 235; p. 717.
- Insulating composition. L. H. Baekeland. No. 1,216,266; Feb. 20; v. 235; p. 717.
- Insulating composition, Flame-proof. C. Ellis. No. 1,248,638; Dec. 4; v. 245; p. 63.
- Insulating composition, Organic. L. H. Baekeland. No. 1,213,144; Jan. 23; v. 234; p. 1055.
- Insulating compound and forming the same. J. W. Harris. No. 1,240,565; Sept. 18; v. 242; p. 649.
- Insulating compound and forming the same. J. W. Harris. No. 1,240,566; Sept. 18; v. 242; p. 649.
- Insulating compound and forming the same. J. W. Harris. No. 1,240,567; Sept. 18; v. 242; p. 649.
- Insulating compound and making the same. S. Satow. No. 1,245,980; Nov. 6; v. 244; p. 250.
- Insulating elements, Machine for making. C. H. Thordar-son. No. 1,220,377; Mar. 27; v. 236; p. 973.
- Insulating elements, Machine for making. C. H. Thordar-son. No. 1,220,378; Mar. 27; v. 236; p. 973.
- Insulating-joint. F. D. Saylor. No. 1,231,202; June 26; v. 239; p. 1072.
- Insulating material from basic magnesium carbonate and fibrous substances, Making. K. Schmid. No. 1,228,609; June 5; v. 239; p. 80.
- Insulating material, Producing an. W. Schewelln. No. 1,235,061; July 31; v. 240; p. 1284.
- Insulating materials, Producing. E. Haefely. No. 1,228,371; May 29; v. 238; p. 1606.
- Insulating means, Spark-plug-. W. F. Johnston. No. 1,222,768; Apr. 17; v. 237; p. 692.
- Insulating-sleeves, Manufacturing electric. E. Haefely. No. 1,237,031; Aug. 14; v. 241; p. 518.
- Insulating-support. C. W. Covell. No. 1,244,473; Oct. 30; v. 243; p. 1081.
- Insulating unit, Plural-faced. B. G. Braine. No. 1,228,646; June 5; v. 239; p. 92.
- Insulation. A. E. Brown. No. 1,228,378; May 29; v. 238; p. 1608.
- Insulation, Electrical. W. A. Ishler. No. 1,223,881; Apr. 24; v. 237; p. 1111.
- Insulation, Flame-proof. C. Ellis. No. 1,246,809; Nov. 13; v. 244; p. 528.
- Insulation, Flame-proof. C. Ellis. No. 1,246,810; Nov. 13; v. 244; p. 528.
- Insulation-repairing device. W. C. Ulrich. No. 1,225,290; May 8; v. 238; p. 459.
- Insulation, Testing of. S. Evershed. No. 1,212,467; Jan. 16; v. 234; p. 785.
- Insulation, Transformer. W. M. McConahay. No. 1,224,184; May 1; v. 238; p. 24.
- Insulator. A. O. Austin. No. 1,242,907; Oct. 16; v. 243; p. 532.
- Insulator. F. Bement and E. A. Logan. No. 1,224,259; May 1; v. 238; p. 52.
- Insulator. W. A. Dade and R. E. Morgan. No. 1,241,929; Oct. 2; v. 243; p. 148.
- Insulator. A. F. Effrig. No. 1,234,313; July 24; v. 240; p. 1014.
- Insulator. F. F. Fowle. No. 1,219,450; Mar. 20; v. 236; p. 610.
- Insulator. W. T. Goddard. No. 1,232,278; July 3; v. 240; p. 248.
- Insulator. W. T. Goddard. No. 1,239,902; Sept. 11; v. 242; p. 407.
- Insulator. F. S. Gregur. No. 1,240,844; Sept. 25; v. 242; p. 769.
- Insulator. G. C. Hill. No. 1,238,768; Sept. 4; v. 242; p. 14.
- Insulator. C. C. Hudson. No. 1,233,475; July 17; v. 240; p. 708.
- Insulator. J. J. Irwin. No. 1,229,272; June 12; v. 239; p. 351.
- Insulator. J. H. Kendig. No. 1,217,315; Feb. 27; v. 235; p. 1122.

- Insulator. E. N. Lightfoot. No. 1,236,188; Aug. 7; v. 241; p. 212.
- Insulator. P. M. Lincoln. No. 1,241,528; Oct. 2; v. 243; p. 18.
- Insulator. F. M. Locke. No. 1,225,147; May 8; v. 238; p. 411.
- Insulator. J. E. Mair. No. 1,232,354; July 3; v. 240; p. 273.
- Insulator. R. H. Marvin. No. 1,245,940; Nov. 6; v. 244; p. 240.
- Insulator. H. A. Pharo and W. Schaaake. No. 1,249,820; Dec. 11; v. 245; p. 434.
- Insulator. F. C. Pierce. No. 1,213,002; Jan. 16; v. 234; p. 975.
- Insulator. B. S. Purkey. No. 1,251,416; Dec. 25; v. 245; p. 993.
- Insulator. C. W. Rogers. No. 1,214,956; Feb. 6; v. 235; p. 166.
- Insulator. J. Sayer. No. 1,218,480; Mar. 6; v. 236; p. 204.
- Insulator. W. Schaaake. No. 1,217,508; Feb. 27; v. 235; p. 1193.
- Insulator. K. A. Simmon. No. 1,246,481; Nov. 13; v. 244; p. 432.
- Insulator. O. O. Stone. No. 1,251,438; Dec. 25; v. 245; p. 1000.
- Insulator. W. H. Williams. (Reissue.) No. 14,256; Feb. 6; v. 235; p. 296.
- Insulator and composition material for insulating and other purposes. F. M. Locke. No. 1,226,088; May 15; v. 238; p. 775.
- Insulator and cut-out switch. H. L. Lowe. No. 1,240,067; Sept. 11; v. 242; p. 454.
- Insulator and hand-switch, Sectional. N. K. Bowman. No. 1,235,763; Aug. 7; v. 241; p. 76.
- Insulator and support, Bus-bar. F. E. Getts. No. 1,233,568; July 17; v. 240; p. 739.
- Insulator and support therefor. L. Fort. No. 1,240,330; Sept. 18; v. 242; p. 576.
- Insulator attachment. A. C. Burnett. No. 1,235,106; July 31; v. 240; p. 1297.
- Insulator, Automatic. R. A. Parent. No. 1,212,547; Jan. 16; v. 234; p. 814.
- Insulator-bracket. L. F. Keppler. No. 1,219,746; Mar. 20; v. 236; p. 712.
- Insulator-clamp. E. G. Hatch. No. 1,210,470; Jan. 2; v. 234; p. 32.
- Insulator-clamp. E. G. Hatch. No. 1,220,333; Mar. 27; v. 236; p. 958.
- Insulator-clamping device. J. M. Brown. No. 1,236,668; Aug. 14; v. 241; p. 400.
- Insulator, Condenser-type suspension-. S. S. Sonneborn. No. 1,247,343; Nov. 20; v. 244; p. 718.
- Insulator, Disk strain-. L. Steinberger. No. 1,212,704; Jan. 16; v. 234; p. 872.
- Insulator, Disk strain-. L. Steinberger. No. 1,212,706; Jan. 16; v. 234; p. 873.
- Insulator, Disk strain-. L. Steinberger. No. 1,223,909; Apr. 24; v. 237; p. 1119.
- Insulator, Disk-type chain. L. Steinberger. No. 1,213,703; Jan. 16; v. 234; p. 872.
- Insulator, Electric. N. Marshall. No. 1,217,873; Feb. 27; v. 235; p. 1317.
- Insulator, Electric. A. R. Müller. No. 1,228,349; May 29; v. 238; p. 1599.
- Insulator, Electric. P. H. Thomas. No. 1,250,387; Dec. 18; v. 245; p. 639.
- Insulator, Electrical. T. Scully. No. 1,216,000; Feb. 13; v. 235; p. 570.
- Insulator for electric wires. C. Lyon. No. 1,217,032; Feb. 20; v. 235; p. 982.
- Insulator for high-tension conductors. A. Aichele. No. 1,225,738; May 15; v. 238; p. 655.
- Insulator for telegraph and telephone wires. A. C. Sorensen. No. 1,236,886; Aug. 14; v. 241; p. 470.
- Insulator, High-potential. S. S. Sonneborn. No. 1,230,610; June 19; v. 239; p. 834.
- Insulator, High-tension. A. O. Austin. No. 1,233,296; July 17; v. 240; p. 647.
- Insulator, High-tension suspension-. E. O. Sessions. No. 1,248,559; Dec. 4; v. 245; p. 39.
- Insulator-joint. W. T. Goddard. No. 1,251,013; Dec. 25; v. 245; p. 876.
- Insulator-press. W. Newby. No. 1,226,795; May 22; v. 238; p. 1049.
- Insulator, Section-. G. B. Ely. No. 1,249,359; Dec. 11; v. 245; p. 300.
- Insulator, Sectional high-potential. S. S. Sonneborn. No. 1,242,616; Oct. 9; v. 243; p. 406.
- Insulator, Strain-. D. H. Osborne. No. 1,234,205; July 24; v. 240; p. 978.
- Insulator, Strain-. J. M. Peck. No. 1,251,097; Dec. 25; v. 245; p. 899.
- Insulator, Strain-. B. A. Plimpton. No. 1,246,461; Nov. 13; v. 244; p. 425.
- Insulator-support. C. L. Peirce, Jr. No. 1,210,685; Jan. 2; v. 234; p. 107.
- Insulator-support. C. L. Peirce, Jr. No. 1,210,686; Jan. 2; v. 234; p. 107.
- Insulator-support. C. L. Peirce, Jr. No. 1,212,394; Jan. 16; v. 234; p. 760.
- Insulator-support for bus-bars, High-tension. E. O. Sessions. No. 1,228,142; May 29; v. 238; p. 1531.
- Insulator-support for cross-arms. C. C. Saylor. No. 1,231,068; June 26; v. 239; p. 1026.
- Insulator-support for towers. J. W. Ward. No. 1,237,843; Aug. 21; v. 241; p. 813.
- Insulator-supporting bracket. C. L. Peirce, Jr. No. 1,212,673; Jan. 16; v. 234; p. 861.
- Insulator-suspension bracket. C. L. Peirce, Jr. No. 1,210,687; Jan. 2; v. 234; p. 108.
- Insulator-switch. C. H. Bissell. No. 1,232,647; July 10; v. 240; p. 400.
- Insulator-thimble structure, Separable. C. L. Peirce, Jr. No. 1,219,862; Mar. 20; v. 236; p. 753.
- Insulators, Connecting device for chain-type. L. Steinberger. No. 1,228,711; June 5; v. 239; p. 115.
- Insulators, Device for attaching conductors to. H. Parra. No. 1,235,592; Aug. 7; v. 241; p. 21.
- Insulators, Suspension device for. R. P. Jackson and W. Schaaake. No. 1,248,498; Dec. 4; v. 245; p. 20.
- Insulators, Suspension means for strain-. L. Steinberger. No. 1,231,090; June 26; v. 239; p. 1035.
- Insulators, Tie-wire for. R. L. Boyter. No. 1,215,245; Feb. 6; v. 235; p. 266.
- Intake-manifold and heating-casing, Combination. H. M. Smith. No. 1,220,281; Mar. 27; v. 236; p. 938.
- Integrating mechanism. J. W. Ledoux. No. 1,243,843; Oct. 23; v. 243; p. 854.
- Interest-indicator. W. L. Reno. No. 1,217,220; Feb. 27; v. 235; p. 1091.
- Interlocking-machines, Cutting mechanism for. L. A. Straubel. No. 1,249,550; Dec. 11; v. 245; p. 354.
- Interlocking block. H. P. T. Lind. No. 1,224,757; May 1; v. 238; p. 228.
- Interlocking devices, Mechanical time-release for. H. B. Taylor. No. 1,245,133; Oct. 30; v. 243; p. 1281.
- Intermittent-movement mechanism. J. F. Davidson. No. 1,224,079; Apr. 24; v. 237; p. 1176.
- Intermittent operating mechanism. E. R. Bittner. No. 1,243,582; Oct. 16; v. 243; p. 737.
- Intermittent operating mechanism. R. C. Henderson. No. 1,240,140; Sept. 11; v. 242; p. 477.
- Internal-combustion and steam engine. H. F. Liedtke. No. 1,217,788; Feb. 27; v. 235; p. 1289.
- Internal-combustion chambers at an efficient temperature, Method of and means for maintaining. E. Bouton, Jr. No. 1,226,180; May 15; v. 238; p. 805.
- Internal-combustion engine. J. O. Almen. No. 1,233,635; July 17; v. 240; p. 762.
- Internal-combustion engine. A. J. Anderson. No. 1,212,875; Jan. 16; v. 234; p. 929.
- Internal-combustion engine. J. A. Anglada. No. 1,229,568; June 12; v. 239; p. 452.
- Internal-combustion engine. J. A. Anglada. No. 1,249,881; Dec. 11; v. 245; p. 452.
- Internal-combustion engine. P. Avilla. No. 1,212,310; Jan. 16; v. 234; p. 731.
- Internal-combustion engine. J. H. Baker. No. 1,248,597; Dec. 4; v. 245; p. 51.
- Internal-combustion engine. R. Barbour. No. 1,249,588; Dec. 11; v. 245; p. 365.
- Internal-combustion engine. E. B. Blakely. No. 1,245,312; Nov. 6; v. 244; p. 51.
- Internal-combustion engine. R. H. Bohler. No. 1,248,250; Nov. 27; v. 244; p. 1010.
- Internal-combustion engine. M. A. Bolton. No. 1,250,950; Dec. 25; v. 245; p. 857.
- Internal-combustion engine. E. M. Bournonville. No. 1,229,574; June 12; v. 239; p. 455.
- Internal-combustion engine. W. Box. No. 1,213,068; Jan. 16; v. 234; p. 995.
- Internal-combustion engine. W. Boyd. No. 1,229,216; June 12; v. 239; p. 332.
- Internal-combustion engine. A. R. Brougham. No. 1,229,217; June 12; v. 239; p. 333.
- Internal-combustion engine. J. S. Brown. No. 1,247,498; Nov. 20; v. 244; p. 762.
- Internal-combustion engine. W. F. Brown. No. 1,222,067; Apr. 10; v. 237; p. 402.
- Internal-combustion engine. A. Bruehne. No. 1,232,205; July 3; v. 240; p. 224.
- Internal-combustion engine. A. P. Brush. No. 1,250,426; Dec. 18; v. 245; p. 651.
- Internal-combustion engine. T. V. Buckwalter. No. 1,245,188; Nov. 6; v. 244; p. 14.
- Internal-combustion engine. E. Bugatti. No. 1,223,762; Apr. 24; v. 237; p. 1069.
- Internal-combustion engine. D. J. Bullinger. No. 1,222,600; Apr. 17; v. 237; p. 633.
- Internal-combustion engine. W. H. Burk. No. 1,250,135; Dec. 18; v. 245; p. 563.
- Internal-combustion engine. J. W. Burkett. No. 1,225,310; May 8; v. 238; p. 468.
- Internal-combustion engine. J. I. Burr. No. 1,226,462; May 15; v. 238; p. 899.
- Internal-combustion engine. P. Burt. No. 1,248,801; Dec. 4; v. 245; p. 111.
- Internal-combustion engine. E. R. Carlson. No. 1,239,081; Sept. 4; v. 242; p. 115.
- Internal-combustion engine. M. G. Chandler. No. 1,219,917; Mar. 20; v. 236; p. 772.
- Internal-combustion engine. H. G. Chatain. No. 1,242,142; Oct. 9; v. 243; p. 255.
- Internal-combustion engine. L. Coatalen. No. 1,248,266; Nov. 27; v. 244; p. 1015.

Alphabetical list of inventions—Continued.

- Internal-combustion engine. R. F. Colquhoun. No. 1,242,148; Oct. 9; v. 243; p. 257.
- Internal-combustion engine. G. S. Constable. No. 1,246,550; Nov. 13; v. 244; p. 452.
- Internal-combustion engine. G. J. Cooper. No. 1,237,302; Aug. 21; v. 241; p. 639.
- Internal-combustion engine. M. A. Crawford. No. 1,223,260; Apr. 17; v. 237; p. 858.
- Internal-combustion engine. D. P. Davies. No. 1,217,285; Feb. 27; v. 235; p. 1112.
- Internal-combustion engine. G. C. Davison and J. W. Anderson. No. 1,214,516; Feb. 6; v. 235; p. 11.
- Internal-combustion engine. G. K. Davol. No. 1,225,702; May 8; v. 238; p. 599.
- Internal-combustion engine. R. M. Day. No. 1,247,378; Nov. 20; v. 244; p. 727.
- Internal-combustion engine. C. Day, G. E. Windeler, and P. Grant. No. 1,221,696; Apr. 3; v. 237; p. 241.
- Internal-combustion engine. C. Day, G. E. Windeler, and P. Grant. No. 1,221,697; Apr. 3; v. 237; p. 241.
- Internal-combustion engine. C. Day, G. E. Windeler, and P. Grant. (Reissue.) No. 14,359; Sept. 18; v. 242; p. 723.
- Internal-combustion engine. W. A. Dittmer. No. 1,250,991; Dec. 25; v. 245; p. 869.
- Internal-combustion engine. G. W. Donning. No. 1,237,311; Aug. 21; v. 241; p. 643.
- Internal-combustion engine. G. W. Donning. No. 1,237,312; Aug. 21; v. 241; p. 643.
- Internal-combustion engine. K. Dougan. No. 1,216,965; Feb. 20; v. 235; p. 958.
- Internal-combustion engine. L. Dufour. No. 1,241,833; Oct. 2; v. 243; p. 117.
- Internal-combustion engine. C. E. Duryea. No. 1,226,870; May 22; v. 238; p. 1074.
- Internal-combustion engine. J. W. Elsenhuth. No. 1,233,563; July 17; v. 240; p. 737.
- Internal-combustion engine. P. C. Elliott. No. 1,230,286; June 19; v. 239; p. 726.
- Internal-combustion engine. F. H. Farmer. No. 1,230,470; June 19; v. 239; p. 787.
- Internal-combustion engine. H. H. Fasnacht. No. 1,215,922; Feb. 13; v. 235; p. 542.
- Internal-combustion engine. M. Fischer. No. 1,222,615; Apr. 17; v. 237; p. 638.
- Internal-combustion engine. C. Fisher. No. 1,232,264; July 3; v. 240; p. 244.
- Internal-combustion engine. G. Floyd. No. 1,225,605; May 8; v. 238; p. 568.
- Internal-combustion engine. A. H. Forsythe. No. 1,212,041; Jan. 9; v. 234; p. 606.
- Internal-combustion engine. D. H. Francis. No. 1,229,602; June 12; v. 239; p. 463.
- Internal-combustion engine. D. H. Francis. No. 1,250,837; Dec. 18; v. 245; p. 774.
- Internal-combustion engine. H. S. Frech. No. 1,229,438; June 12; v. 239; p. 407.
- Internal-combustion engine. C. E. Frederickson. No. 1,232,524; July 10; v. 240; p. 362.
- Internal-combustion engine. C. E. Giddings, Jr. No. 1,230,546; June 26; v. 239; p. 1183.
- Internal-combustion engine. W. R. Gillespie. No. 1,235,133; July 31; v. 240; p. 1305.
- Internal-combustion engine. C. S. Goby. No. 1,238,508; Aug. 28; v. 241; p. 1062.
- Internal-combustion engine. R. S. Graham. No. 1,214,672; Feb. 6; v. 235; p. 67.
- Internal-combustion engine. W. M. Gray. No. 1,220,095; Mar. 20; v. 236; p. 835.
- Internal-combustion engine. S. H. Grimmer and F. Goette. No. 1,250,859; Dec. 18; v. 245; p. 780.
- Internal-combustion engine. A. Guéret. No. 1,231,522; June 26; v. 239; p. 1176.
- Internal-combustion engine. C. J. Hautier. No. 1,243,835; Oct. 23; v. 243; p. 852.
- Internal-combustion engine. C. V. Herbert. No. 1,219,458; Mar. 20; v. 236; p. 612.
- Internal-combustion engine. J. T. Hillhouse. No. 1,243,522; Oct. 16; v. 243; p. 720.
- Internal-combustion engine. J. W. Hoffner. No. 1,220,124; Mar. 20; v. 236; p. 847.
- Internal-combustion engine. F. E. Horne, Jr. No. 1,219,639; Mar. 20; v. 236; p. 676.
- Internal-combustion engine. W. F. Hoshel. No. 1,239,488; Sept. 11; v. 242; p. 273.
- Internal-combustion engine. W. S. Howard. No. 1,214,922; Feb. 6; v. 235; p. 154.
- Internal-combustion engine. P. L. Howe. No. 1,228,923; June 5; v. 239; p. 186.
- Internal-combustion engine. P. L. Howe. No. 1,250,461; Dec. 18; v. 245; p. 661.
- Internal-combustion engine. J. Hutchinson. No. 1,246,272; Nov. 13; v. 244; p. 367.
- Internal-combustion engine. R. W. Ide. No. 1,246,743; Nov. 13; v. 244; p. 508.
- Internal-combustion engine. R. W. Ide. No. 1,246,744; Nov. 13; v. 244; p. 508.
- Internal-combustion engine. R. W. Ide. No. 1,246,745; Nov. 13; v. 244; p. 509.
- Internal-combustion engine. R. W. Ide. No. 1,246,747; Nov. 13; v. 244; p. 510.
- Internal-combustion engine. W. T. Ingram. No. 1,239,274; Sept. 4; v. 242; p. 179.
- Internal-combustion engine. J. D. Jones. No. 1,231,901; July 3; v. 240; p. 123.
- Internal-combustion engine. C. A. Juengst. No. 1,240,980; Sept. 25; v. 242; p. 811.
- Internal-combustion engine. C. A. Juengst. No. 1,244,862; Oct. 30; v. 243; p. 1199.
- Internal-combustion engine. C. A. Juengst. No. 1,246,276; Nov. 13; v. 244; p. 369.
- Internal-combustion engine. E. F. Kimball. No. 1,249,418; Dec. 11; v. 245; p. 316.
- Internal-combustion engine. F. H. Krienitz. No. 1,223,701; Apr. 24; v. 237; p. 1048.
- Internal-combustion engine. F. H. Krienitz. No. 1,238,024; Aug. 21; v. 241; p. 871.
- Internal-combustion engine. E. P. Krill. No. 1,221,337; Apr. 3; v. 237; p. 118.
- Internal-combustion engine. J. Kylläinen. No. 1,242,207; Oct. 9; v. 243; p. 276.
- Internal-combustion engine. E. G. Lancaster. No. 1,229,761; June 12; v. 239; p. 516.
- Internal-combustion engine. L. V. Laurents. No. 1,217,020; Feb. 20; v. 235; p. 978.
- Internal-combustion engine. P. A. Lawrence. No. 1,235,491; July 31; v. 240; p. 1411.
- Internal-combustion engine. H. B. Layman. No. 1,244,869; Oct. 30; v. 243; p. 1201.
- Internal-combustion engine. F. C. Ledvina. No. 1,225,830; May 15; v. 238; p. 685.
- Internal-combustion engine. R. H. Lee, E. E. Harding, and H. J. Stanley. No. 1,245,358; Nov. 6; v. 244; p. 65.
- Internal-combustion engine. H. F. Leissner. No. 1,230,729; June 19; v. 239; p. 872.
- Internal-combustion engine. J. H. Lepper. No. 1,230,909; June 26; v. 239; p. 971.
- Internal-combustion engine. I. Leslie. No. 1,249,136; Dec. 4; v. 245; p. 204.
- Internal-combustion engine. R. M. Lewis. No. 1,211,604; Jan. 9; v. 234; p. 453.
- Internal-combustion engine. E. C. Long. No. 1,226,678; May 22; v. 238; p. 1008.
- Internal-combustion engine. F. K. Lord. No. 1,237,350; Aug. 21; v. 241; p. 656.
- Internal-combustion engine. H. V. Lough. No. 1,211,950; Jan. 9; v. 234; p. 577.
- Internal-combustion engine. F. MacVicar. No. 1,232,352; July 3; v. 240; p. 272.
- Internal-combustion engine. E. P. Mantell. No. 1,245,482; Nov. 6; v. 244; p. 101.
- Internal-combustion engine. A. F. Masury. No. 1,248,417; Nov. 27; v. 244; p. 1057.
- Internal-combustion engine. B. T. McCanna and F. C. Heinen. No. 1,233,079; July 10; v. 240; p. 542.
- Internal-combustion engine. C. D. McClintock. No. 1,234,056; July 17; v. 240; p. 894.
- Internal-combustion engine. J. H. K. McCollum. No. 1,212,653; Jan. 16; v. 234; p. 853.
- Internal-combustion engine. T. M. McKelvy. No. 1,224,557; May 1; v. 238; p. 158.
- Internal-combustion engine. D. B. Medanich. No. 1,247,983; Nov. 27; v. 244; p. 936.
- Internal-combustion engine. H. Mensforth. No. 1,214,937; Feb. 6; v. 235; p. 159.
- Internal-combustion engine. H. E. Montague. No. 1,227,551; May 22; v. 238; p. 1301.
- Internal-combustion engine. C. M. P. Montbarbon and G. E. Chédré. No. 1,219,982; Mar. 20; v. 236; p. 795.
- Internal-combustion engine. C. M. P. Montbarbon and G. E. Chédré. No. 1,219,983; Mar. 20; v. 236; p. 796.
- Internal-combustion engine. L. S. Morris. No. 1,228,806; June 5; v. 239; p. 148.
- Internal-combustion engine. L. S. Morris. No. 1,249,806; Dec. 11; v. 245; p. 430.
- Internal-combustion engine. P. H. Mueller and L. H. Schuler. No. 1,218,687; Mar. 13; v. 236; p. 314.
- Internal-combustion engine. J. F. Murphy. No. 1,222,657; Apr. 17; v. 237; p. 654.
- Internal-combustion engine. H. A. Murray and W. T. Dorman. No. 1,220,880; Mar. 27; v. 236; p. 1145.
- Internal-combustion engine. E. A. Nelson. No. 1,247,318; Nov. 20; v. 244; p. 711.
- Internal-combustion engine. I. G. Nicks. No. 1,214,357; Jan. 30; v. 234; p. 1505.
- Internal-combustion engine. B. V. Nordberg. No. 1,237,373; Aug. 21; v. 241; p. 664.
- Internal-combustion engine. H. Nordström. No. 1,211,746; Jan. 9; v. 234; p. 501.
- Internal-combustion engine. P. E. Nuenke. No. 1,241,876; Oct. 2; v. 243; p. 131.
- Internal-combustion engine. H. Oldham. No. 1,212,100; Jan. 9; v. 234; p. 624.
- Internal-combustion engine. A. E. Osborn. No. 1,212,391; Jan. 16; v. 234; p. 758.
- Internal-combustion engine. A. E. Osborn. No. 1,216,721; Feb. 20; v. 235; p. 876.
- Internal-combustion engine. A. E. Osborn. No. 1,250,214; Dec. 18; v. 245; p. 587.
- Internal-combustion engine. A. E. Osborn. No. 1,251,272; Dec. 25; v. 245; p. 951.
- Internal-combustion engine. C. N. Outerbridge. No. 1,211,339; Jan. 2; v. 234; p. 330.
- Internal-combustion engine. A. J. Palge. No. 1,216,160; Feb. 13; v. 235; p. 629.

- Internal-combustion engine. A. J. Paige. (Reissue.) No. 1,43,47; Aug. 28; v. 241; p. 1130.
- Internal-combustion engine. W. R. F. Patchett. No. 1,250,346; Dec. 18; v. 245; p. 627.
- Internal-combustion engine. L. Plein. No. 1,244,890; Oct. 30; v. 243; p. 1208.
- Internal-combustion engine. W. M. Power. No. 1,235,725; Aug. 7; v. 241; p. 62.
- Internal-combustion engine. S. I. Prescott. No. 1,224,566; May 1; v. 238; p. 161.
- Internal-combustion engine. H. E. A. Raabe. No. 1,211,231; Jan. 2; v. 234; p. 295.
- Internal-combustion engine. B. Read. No. 1,237,386; Aug. 21; v. 241; p. 668.
- Internal-combustion engine. H. L. Reese and H. H. Platt. No. 1,212,105; Jan. 9; v. 234; p. 626.
- Internal-combustion engine. A. L. Riker. No. 1,215,863; Feb. 13; v. 235; p. 521.
- Internal-combustion engine. A. L. Riker. No. 1,230,033; June 12; v. 239; p. 603.
- Internal-combustion engine. E. A. Riotte. No. 1,245,509; Nov. 6; v. 244; p. 111.
- Internal-combustion engine. E. A. Riotte. No. 1,245,510; Nov. 6; v. 244; p. 111.
- Internal-combustion engine. P. E. Rishel. No. 1,215,865; Feb. 13; v. 235; p. 522.
- Internal-combustion engine. D. H. Robey. No. 1,233,918; July 17; v. 240; p. 851.
- Internal-combustion engine. R. Roehrich. No. 1,211,965; Jan. 9; v. 234; p. 583.
- Internal-combustion engine. J. R. Rogers. No. 1,239,523; Sept. 11; v. 242; p. 284.
- Internal-combustion engine. A. L. Roquemore and O. M. Fallwell. No. 1,212,691; Jan. 16; v. 234; p. 868.
- Internal-combustion engine. A. Rosner. No. 1,215,869; Feb. 13; v. 235; p. 523.
- Internal-combustion engine. A. Rosner. No. 1,215,870; Feb. 13; v. 235; p. 524.
- Internal-combustion engine. A. G. Roth. No. 1,221,094; Apr. 3; v. 237; p. 32.
- Internal-combustion engine. C. K. Salisbury. No. 1,219,781; Mar. 20; v. 236; p. 724.
- Internal-combustion engine. W. Schenker. No. 1,240,884; Sept. 25; v. 242; p. 781.
- Internal-combustion engine. A. F. Schiele. No. 1,217,224; Feb. 27; v. 235; p. 1092.
- Internal-combustion engine. S. L. Schleppy. No. 1,239,728; Sept. 11; v. 242; p. 351.
- Internal-combustion engine. A. Schmid. No. 1,213,911; Jan. 30; v. 234; p. 1351.
- Internal-combustion engine. F. Schneider. No. 1,232,097; July 3; v. 240; p. 190.
- Internal-combustion engine. J. R. Scott. No. 1,230,092; June 19; v. 239; p. 623.
- Internal-combustion engine. W. L. Shepard. No. 1,239,310; Sept. 4; v. 242; p. 189.
- Internal-combustion engine. F. L. H. Sims. No. 1,232,108; July 3; v. 240; p. 194.
- Internal-combustion engine. C. P. Skublin. No. 1,250,683; Dec. 18; v. 245; p. 727.
- Internal-combustion engine. B. C. Smith. No. 1,245,519; Nov. 6; v. 244; p. 114.
- Internal-combustion engine. B. C. Smith. No. 1,245,520; Nov. 6; v. 244; p. 114.
- Internal-combustion engine. J. W. Smith. No. 1,214,837; Feb. 6; v. 235; p. 122.
- Internal-combustion engine. J. W. Smith. No. 1,229,340; June 12; v. 239; p. 375.
- Internal-combustion engine. E. Soppitt. No. 1,249,845; Dec. 11; v. 245; p. 441.
- Internal-combustion engine. L. B. Sperry. No. 1,214,967; Feb. 6; v. 235; p. 170.
- Internal-combustion engine. F. M. Stanton. No. 1,234,228; July 24; v. 240; p. 986.
- Internal-combustion engine. J. O. Stephens. No. 1,212,581; Jan. 16; v. 234; p. 827.
- Internal-combustion engine. W. J. Still. No. 1,230,617; June 19; v. 239; p. 837.
- Internal-combustion engine. C. L. Stoeltzen. No. 1,230,536; June 19; v. 239; p. 809.
- Internal-combustion engine. H. C. Sträng. No. 1,232,622; July 10; v. 240; p. 392.
- Internal-combustion engine. H. H. Suplee. No. 1,237,576; Aug. 21; v. 241; p. 728.
- Internal-combustion engine. C. H. Thie and W. M. Butler. No. 1,211,008; Jan. 2; v. 234; p. 219.
- Internal-combustion engine. E. Tilston. No. 1,234,825; July 31; v. 240; p. 1209.
- Internal-combustion engine. E. Tilston. No. 1,246,496; Nov. 13; v. 244; p. 436.
- Internal-combustion engine. H. P. Tippet. No. 1,234,969; July 31; v. 240; p. 1257.
- Internal-combustion engine. J. A. Toomey. No. 1,250,715; Dec. 18; v. 245; p. 737.
- Internal-combustion engine. J. J. Tracy. No. 1,236,502; Aug. 14; v. 241; p. 345.
- Internal-combustion engine. B. W. Traylor. No. 1,234,971; July 31; v. 240; p. 1257.
- Internal-combustion engine. H. L. F. Trebert. No. 1,215,434; Feb. 13; v. 235; p. 365.
- Internal-combustion engine. D. Tuhey. No. 1,218,132; Mar. 6; v. 236; p. 85.
- Internal-combustion engine. W. I. Twombly. No. 1,219,607; Mar. 20; v. 236; p. 664.
- Internal-combustion engine. W. I. Twombly. No. 1,221,114; Apr. 3; v. 237; p. 38.
- Internal-combustion engine. J. W. Tygard. No. 1,229,172; June 5; v. 239; p. 268.
- Internal-combustion engine. H. W. Unckles. No. 1,246,361; Nov. 13; v. 244; p. 395.
- Internal-combustion engine. F. G. Underwood. No. 1,233,622; July 17; v. 240; p. 758.
- Internal-combustion engine. W. H. Upton and H. C. Stoll. No. 1,221,633; Apr. 3; v. 237; p. 219.
- Internal-combustion engine. L. C. Van Riper. No. 1,238,223; Aug. 28; v. 241; p. 968.
- Internal-combustion engine. W. E. Ver Planck. No. 1,245,642; Nov. 6; v. 244; p. 152.
- Internal-combustion engine. W. E. Ver Planck. No. 1,245,644; Nov. 6; v. 244; p. 153.
- Internal-combustion engine. H. S. Vrooman. No. 1,214,097; Jan. 30; v. 234; p. 1414.
- Internal-combustion engine. C. L. Wall. No. 1,233,003; July 10; v. 240; p. 517.
- Internal-combustion engine. L. T. Wallen. No. 1,216,895; Feb. 20; v. 235; p. 935.
- Internal-combustion engine. J. M. Walton. No. 1,232,632; July 10; v. 240; p. 395.
- Internal-combustion engine. C. W. Weiss. No. 1,219,512; Mar. 20; v. 236; p. 631.
- Internal-combustion engine. H. C. Well. No. 1,211,509; Jan. 9; v. 234; p. 421.
- Internal-combustion engine. H. C. Well. No. 1,213,315; Jan. 23; v. 234; p. 1117.
- Internal-combustion engine. H. C. Well. No. 1,221,121; Apr. 3; v. 237; p. 41.
- Internal-combustion engine. C. G. Wennerstrom. No. 1,248,771; Dec. 4; v. 245; p. 102.
- Internal-combustion engine. J. F. Wentworth. No. 1,225,295; May 8; v. 238; p. 462.
- Internal-combustion engine. J. Whaley. No. 1,244,668; Oct. 30; v. 243; p. 1140.
- Internal-combustion engine. G. W. White. No. 1,244,566; Oct. 30; v. 243; p. 1110.
- Internal-combustion engine. F. A. Wilkinson. No. 1,224,254; May 1; v. 238; p. 50.
- Internal-combustion engine. C. S. Williams. No. 1,217,379; Feb. 27; v. 235; p. 1145.
- Internal-combustion engine. R. M. Wilson. No. 1,218,345; Mar. 6; v. 236; p. 160.
- Internal-combustion engine. R. C. Winchester. No. 1,224,435; May 1; v. 238; p. 116.
- Internal-combustion engine. L. W. Witry. No. 1,233,739; July 17; v. 240; p. 793.
- Internal-combustion-engine appliance. G. R. Smith. No. 1,218,126; Mar. 6; v. 236; p. 83.
- Internal-combustion engine, Compound. E. E. Chalberg. No. 1,219,082; Mar. 13; v. 236; p. 453.
- Internal-combustion engine, Convertible. A. E. Cook and T. Van Tuyl. No. 1,213,840; Jan. 30; v. 234; p. 1326.
- Internal-combustion engine, Double-acting two-stroke-cycle. A. Hennig. No. 1,210,801; Jan. 2; v. 234; p. 145.
- Internal-combustion engine for aeroplanes. L. Coatalen. No. 1,241,002; Sept. 25; v. 242; p. 845.
- Internal-combustion engine, Four-cylinder. O. Leperonne. No. 1,248,509; Dec. 4; v. 245; p. 23.
- Internal-combustion engine, Multicylinder. L. Coatalen. No. 1,235,111; July 31; v. 240; p. 1298.
- Internal-combustion engine, Oil-burning. F. J. Kimball. No. 1,232,692; July 10; v. 240; p. 416.
- Internal-combustion engine, Opposed convertible. A. E. Cook and T. Van Tuyl. No. 1,213,841; Jan. 30; v. 234; p. 1326.
- Internal-combustion engine, Reversible. G. C. Davison. No. 1,230,132; June 19; v. 239; p. 675.
- Internal-combustion engine, Reversible. B. A. De Waern. No. 1,233,323; July 17; v. 240; p. 656.
- Internal-combustion engine, Rotary-cylinder. J. Adams. No. 1,236,643; Aug. 14; v. 241; p. 391.
- Internal-combustion engine, Rotary-cylinder. H. W. N. Cole. No. 1,215,778; Feb. 13; v. 235; p. 490.
- Internal-combustion engine, Rotary-valve. W. B. Lowe. No. 1,218,427; Mar. 6; v. 236; p. 187.
- Internal-combustion engine, Two-cycle. S. Charles. No. 1,215,483; Feb. 13; v. 235; p. 382.
- Internal-combustion engine, Two-cycle. B. C. Kenyon. No. 1,215,383; Feb. 13; v. 235; p. 348.
- Internal-combustion engine, Two-cycle rotary-cylinder. C. McLaren. No. 1,213,519; Jan. 23; v. 234; p. 1186.
- Internal-combustion engine, Two-stroke. A. M. Low. No. 1,229,989; June 12; v. 239; p. 589.
- Internal-combustion engine, Two-stroke-cycle. J. R. Kemp. No. 1,242,450; Oct. 9; v. 243; p. 351.
- Internal-combustion engine, V-type. L. Coatalen. No. 1,248,265; Nov. 27; v. 244; p. 1015.
- Internal-combustion engine, Water-cooled. J. Filscher. No. 1,245,578; Nov. 6; v. 244; p. 132.
- Internal-combustion engines, Liquid fuel for. J. P. Foster. No. 1,248,302; Nov. 27; v. 244; p. 1025.
- Internal-combustion motor. R. R. Bell. No. 1,216,400; Feb. 20; v. 235; p. 768.
- Internal-combustion motor. J. D. Blayney. No. 1,243,691; Oct. 23; v. 243; p. 803.

Alphabetical list of inventions—Continued.

- Internal-combustion motor. W. P. Bowers. No. 1,245,861; Nov. 6; v. 244; p. 218.
- Internal-combustion motor. J. Kylläinen. No. 1,235,145; July 31; v. 240; p. 1308.
- Internal-combustion motor. D. B. Medanich. No. 1,227,169; May 22; v. 238; p. 1177.
- Internal-combustion motor. D. B. Medanich. No. 1,247,982; Nov. 27; v. 244; p. 936.
- Internal-combustion motor. A. C. Peterson. No. 1,231,060; June 26; v. 239; p. 1024.
- Internal-combustion motor. A. P. Steckel. No. 1,220,285; Mar. 27; v. 236; p. 940.
- Internal-combustion motor. A. Winton. No. 1,243,908; Oct. 23; v. 243; p. 874.
- Internal-combustion multiple-cylinder engine. A. and A. Rasmussen, Sr. and Jr. No. 1,220,455; Mar. 27; v. 236; p. 1000.
- Internal-explosion engine. W. Erwin. No. 1,213,172; Jan. 23; v. 234; p. 1065.
- Internal-explosion engine. H. H. Whitehead. No. 1,248,965; Dec. 4; v. 245; p. 156.
- Interrupter. S. Sandreuter. No. 1,224,570; May 1; v. 238; p. 163.
- Invalid-carrier. W. C. Ogden. No. 1,227,301; May 22; v. 238; p. 1220.
- Invalid-chair, Adjustable. A. L. Meeks. No. 1,219,834; Mar. 20; v. 236; p. 743.
- Invalid-lifting device. F. S. Root. No. 1,239,524; Sept. 11; v. 242; p. 284.
- Invalid-support, Sanitary. A. M. Liverson. No. 1,218,876; Mar. 13; v. 236; p. 385.
- Invalid's chair. D. G. Hadley. No. 1,216,987; Feb. 20; v. 235; p. 966.
- Invalid's chair. D. G. Hadley. No. 1,219,295; Mar. 13; v. 236; p. 525.
- Invalid's chair. M. L. Henning and C. R. Woerber. No. 1,248,113; Nov. 27; v. 244; p. 971.
- Invalid's support. C. M. Borton. No. 1,250,086; Dec. 11; v. 245; p. 510.
- Invoice-sheets, express-receipt, and shipping-tag. Manifold. E. C. Bender. No. 1,220,589; Mar. 27; v. 236; p. 1047.
- Invoicing-machine. J. E. Bean. No. 1,228,282; May 29; v. 238; p. 1575.
- Involute case. C. D. Cameron. No. 1,214,751; Feb. 6; v. 235; p. 94.
- Iodin compound and preparing same. H. P. Slater. No. 1,226,394; May 15; v. 238; p. 879.
- Iodin from fresh or dried marine algæ, Direct extraction of. V. Vincent. No. 1,249,863; Dec. 11; v. 245; p. 447.
- Ionized-chamber device. C. D. Babcock. No. 1,222,916; Apr. 17; v. 237; p. 742.
- Iron: See—
- | | |
|-----------------------------|-------------------|
| Brake-block iron. | Sad-iron. |
| Branding-iron. | Shoe-iron. |
| Chair-iron. | Smoothing-iron. |
| Corner-iron. | Soldering-iron. |
| Draw-bar carry-iron. | Stay-bolt iron. |
| Electric iron. | Tailor's iron. |
| Flat-iron. | Treeing-iron. |
| Pressing-iron. | Waffle-iron. |
| Pressing and steaming iron. | Whiffletree-iron. |
| Puddling-iron. | |
- Iron and steel by vapors containing phosphorus compounds, Rust-proofing. W. H. Allen. No. 1,248,053; Nov. 27; v. 244; p. 953.
- Iron and steel from oxygen-containing baths, Manufacturing. A. Klinkenberg. No. 1,238,409; Aug. 28; v. 241; p. 1030.
- Iron and steel, Manufacturing. J. I. Bronn. No. 1,233,970; July 17; v. 240; p. 868.
- Iron and steel, Rust-proofing. W. H. Allen. No. 1,219,526; Mar. 20; v. 236; p. 636.
- Iron attachment. M. Hooper. No. 1,236,302; Aug. 7; v. 241; p. 248.
- Iron, Composition of cast. J. E. Johnson, Jr. No. 1,217,184; Feb. 27; v. 235; p. 1078.
- Iron-holder. K. J. Maney. No. 1,218,098; Mar. 6; v. 236; p. 73.
- Iron, Making pig-. E. Humbert. No. 1,242,442; Oct. 9; v. 243; p. 349.
- Iron or steel, Solution for the treatment of. A. Hayes. No. 1,241,113; Sept. 25; v. 242; p. 851.
- Iron or steel, Treatment of. A. Hayes. No. 1,241,112; Sept. 25; v. 242; p. 851.
- Iron ore, Treating. F. A. Eustis. No. 1,237,765; Aug. 21; v. 241; p. 790.
- Iron ores, Treating. E. F. Goltra. No. 1,216,109; Feb. 13; v. 235; p. 610.
- Iron ores, Treating. T. S. Maffitt. No. 1,219,338; Mar. 13; v. 236; p. 540.
- Iron-polishing composition. M. Yasuda. No. 1,216,643; Feb. 20; v. 235; p. 851.
- Iron turnings, Machine for the production of. E. Cottard. No. 1,216,548; Feb. 20; v. 235; p. 818.
- Irons, Clasp-holder for. L. J. Brune. No. 1,216,653; Feb. 20; v. 235; p. 854.
- Irons, Clamp for stocking. R. Roost. No. 1,243,346; Oct. 16; v. 243; p. 668.
- Ironing and finishing paraffined containers, Machine for. C. W. Shevlin. No. 1,224,969; May 8; v. 238; p. 351.
- Ironing and pressing board. B. F. Marsden. No. 1,239,928; Sept. 11; v. 242; p. 415.
- Ironing and shaping machine, Collar. A. C. and F. H. Smith. No. 1,216,507; Feb. 20; v. 235; p. 803.
- Ironing-board. J. Alexander. No. 1,246,695; Nov. 13; v. 244; p. 494.
- Ironing-board. W. B. Behnke. No. 1,223,137; Apr. 17; v. 237; p. 818.
- Ironing-board. S. L. Hampton. No. 1,245,906; Nov. 6; v. 244; p. 232.
- Ironing-board. H. Herman. No. 1,245,230; Nov. 6; v. 244; p. 27.
- Ironing-board. F. C. Lloyd. No. 1,244,520; Oct. 30; v. 243; p. 1095.
- Ironing-board. A. G. Longstreet. No. 1,214,334; Jan. 30; v. 234; p. 1497.
- Ironing-board. L. H. Marquardt. No. 1,227,640; May 29; v. 238; p. 1361.
- Ironing-board. W. O. McDivitt. No. 1,242,461; Oct. 9; v. 243; p. 356.
- Ironing-board. H. Mendenhall and A. T. Killinger. No. 1,235,147; July 31; v. 240; p. 1309.
- Ironing-board. M. P. Nichols. No. 1,226,987; May 22; v. 238; p. 1115.
- Ironing-board. J. H. Primm. No. 1,213,255; Jan. 23; v. 234; p. 1095.
- Ironing-board. L. P. Ryan. No. 1,233,607; July 17; v. 240; p. 753.
- Ironing-board. I. F. Wilcoxson. No. 1,215,452; Feb. 13; v. 235; p. 372.
- Ironing-board and step-ladder, Combination folding. J. M. Tanner. No. 1,217,526; Feb. 27; v. 235; p. 1199.
- Ironing-board attachment. G. H. Triftshauser. No. 1,221,487; Apr. 3; v. 237; p. 170.
- Ironing-board-cover holder. T. E. Thorn. No. 1,217,368; Feb. 27; v. 235; p. 1141.
- Ironing-board covers, Holder for. L. E. Langc. No. 1,248,504; Dec. 4; v. 245; p. 22.
- Ironing-board, Folding. W. F. Blake. No. 1,223,663; Apr. 24; v. 237; p. 1034.
- Ironing-board, Folding. C. W. Rehfuß. No. 1,234,569; July 24; v. 240; p. 1098.
- Ironing-board structure, Adjustable and foldable. D. D. Gardner. No. 1,213,475; Jan. 23; v. 234; p. 1172.
- Ironing-boards, &c., Supporting device for. S. L. Hickman. No. 1,213,641; Jan. 23; v. 234; p. 1228.
- Ironing-machine. G. Binder. No. 1,210,402; Jan. 2; v. 234; p. 7.
- Ironing-machine. G. Binder. No. 1,238,875; Sept. 4; v. 242; p. 50.
- Ironing-machine. C. L. Braley. No. 1,245,562; Nov. 6; v. 244; p. 127.
- Ironing-machine. F. J. Couch. No. 1,238,891; Sept. 4; v. 242; p. 55.
- Ironing-machine. A. J. Fisher. No. 1,225,121; May 8; v. 238; p. 403.
- Ironing-machine. A. Hammer and F. Egersdörfer. No. 1,220,510; Mar. 27; v. 236; p. 1019.
- Ironing-machine. J. Kane and F. J. Couch. No. 1,210,485; Jan. 2; v. 234; p. 38.
- Ironing machine, Bosom-. C. L. Braley. No. 1,233,305; July 17; v. 240; p. 650.
- Ironing machine, Collar-. J. J. Seltenreich. No. 1,245,989; Nov. 6; v. 244; p. 252.
- Ironing machine, Shirt-. C. L. Braley. No. 1,250,955; Dec. 25; v. 245; p. 859.
- Ironing-machines, Feed-guide and folding attachment for. R. Laborda. No. 1,235,207; July 31; v. 240; p. 1327.
- Ironing-press. L. H. Freeman. No. 1,220,619; Mar. 27; v. 236; p. 1057.
- Ironing-table. W. Reid. No. 1,221,592; Apr. 3; v. 237; p. 207.
- Ironing-table and step-ladder, Combined. C. R. Smith. No. 1,216,176; Feb. 13; v. 235; p. 634.
- Irrigating and draining system. J. Steelquist. No. 1,231,308; June 26; v. 239; p. 1106.
- Irrigating apparatus. J. M. Langford. No. 1,217,782; Feb. 27; v. 235; p. 1287.
- Irrigating apparatus. C. W. Skinner. No. 1,245,050; Oct. 30; v. 243; p. 1255.
- Irrigating-canals, Locking means for gates of. F. N. Cronholm. No. 1,220,960; Mar. 27; v. 236; p. 1171.
- Irrigating device for plants. R. White. No. 1,216,642; Feb. 20; v. 235; p. 850.
- Irrigating device for plants. R. White. No. 1,247,766; Nov. 27; v. 244; p. 874.
- Irrigating device, Plant-. C. F. Tillmann. No. 1,218,228; Mar. 6; v. 236; p. 119.
- Irrigating, Signaling device for. H. E. Doak. No. 1,248,633; Dec. 4; v. 245; p. 61.
- Irrigating-sprinkler. W. A. Buckner. No. 1,232,208; July 3; v. 240; p. 225.
- Irrigation-ditch cleaner. H. M. Quincey, F. J. Slenknecht, and M. J. Donahoo. No. 1,245,271; Nov. 6; v. 244; p. 38.
- Irrigation-ditch guard. C. E. Glenn. No. 1,213,624; Jan. 23; v. 234; p. 1223.
- Irrigation of fields, gardens, and the like, Apparatus for the. C. S. Nyberg. No. 1,217,811; Feb. 27; v. 235; p. 1297.
- Irrigation system. R. J. d'Aquin. No. 1,229,898; June 12; v. 239; p. 562.

- Irrigator. J. E. Jonasson. No. 1,228,777; June 5; v. 239; p. 138.
- Jack: *See*—
- Anchor-jack. Lifting-jack.
 - Automatic jack. Pulling-jack.
 - Automobile-jack. Pumping-jack.
 - Automobile lifting-jack. Roof-jack.
 - Automobile power-jack. Safety-jack.
 - Automobile roller-jack. Scaffold-jack.
 - Car-jack. Screw-jack.
 - Chimney-jack. Shipping-jack.
 - Core-jack. Shove-jack.
 - Cycle-jack. Smoke-jack.
 - Electric jack. Tipping-jack.
 - Elevating-jack. Vehicle-jack.
 - Floor-jack. Vehicle pulling-jack.
 - Hoisting-jack. Vehicle-spring jack.
 - Hydraulic jack. Wagon-jack.
 - Ladder-jack. Wheel pulling-jack.
 - Lift-jack.
- Jack. C. A. Brock. No. 1,235,105; July 31; v. 240; p. 1297.
- Jack. F. H. Choate. No. 1,223,561; Apr. 24; v. 237; p. 997.
- Jack. A. H. Cox. No. 1,237,481; Aug. 21; v. 241; p. 697.
- Jack. J. C. Elzy and F. Messenger. No. 1,221,712; Apr. 3; v. 237; p. 247.
- Jack. T. B. Hatch. No. 1,229,951; June 12; v. 239; p. 578.
- Jack. J. W. Jenes. No. 1,227,448; May 22; v. 238; p. 1266.
- Jack. P. S. Kimball. No. 1,225,822; May 15; v. 238; p. 683.
- Jack. L. W. Nunnally. No. 1,232,712; July 10; v. 240; p. 423.
- Jack. J. K. Tomlinson. No. 1,245,400; Nov. 6; v. 244; p. 77.
- Jack. P. E. Valentine. No. 1,246,504; Nov. 13; v. 244; p. 438.
- Jack. P. Wagner. No. 1,229,833; June 12; v. 239; p. 541.
- Jack. W. L. Widlar. No. 1,241,590; Oct. 2; v. 243; p. 40.
- Jack. W. L. Widlar. No. 1,241,591; Oct. 2; v. 243; p. 41.
- Jack. L. Willour. No. 1,238,863; Sept. 4; v. 242; p. 46.
- Jack. L. Willour. No. 1,240,278; Sept. 18; v. 242; p. 560.
- Jack. C. B. Wolcott. No. 1,211,652; Jan. 9; v. 234; p. 470.
- Jack-operating attachment. J. L. Downs. No. 1,244,964; Oct. 30; v. 243; p. 1230.
- Jack-spooler. T. H. Nute. No. 1,222,975; Apr. 17; v. 237; p. 762.
- Jacket-crown facing. I. Brown. No. 1,232,203; July 3; v. 240; p. 223.
- Jacquard. L. Herzog. No. 1,214,918; Feb. 6; v. 235; p. 153.
- Jacquard-card-perforating apparatus. H. Saurer. No. 1,225,365; May 8; v. 238; p. 487.
- Jacquard mechanism. C. Simmins. No. 1,225,065; May 8; v. 238; p. 384.
- Jamb and trim, hollow metal. D. Peribonis. No. 1,245,018; Oct. 30; v. 243; p. 1247.
- Jar: *See*—
- Overflow-jar. Show-jar.
 - Shellac-jar.
- Jar. R. P. White. (Reissue.) No. 14,254; Jan. 30; v. 234; p. 1550.
- Jar-cap. E. D. Schmitt. No. 1,242,604; Oct. 9; v. 243; p. 403.
- Jar-closing means. W. L. Schreiber. No. 1,222,036; Apr. 10; v. 237; p. 393.
- Jar-closure. C. Hammer. No. 1,244,495; Oct. 30; v. 243; p. 1088.
- Jar-closure. C. C. Parker. No. 1,239,299; Sept. 4; v. 242; p. 186.
- Jar-closure. H. Weaver. No. 1,250,058; Dec. 11; v. 245; p. 501.
- Jar closure, Fruit. N. Haller. No. 1,236,294; Aug. 7; v. 241; p. 245.
- Jar-closure, Process. C. Hammer. No. 1,244,496; Oct. 30; v. 243; p. 1088.
- Jar-closures, Chuck for. C. Hammer. No. 1,244,494; Oct. 30; v. 243; p. 1088.
- Jar-handle, Detachable. H. Schultz. No. 1,220,466; Mar. 27; v. 236; p. 1005.
- Jar-holder. T. S. Catlin. No. 1,217,565; Feb. 27; v. 235; p. 1213.
- Jar-holder. R. A. Parent. No. 1,231,642; July 3; v. 240; p. 35.
- Jar-holder and top-remover. P. L. Fowler. No. 1,211,695; Jan. 9; v. 234; p. 484.
- Jar holder, Fruit. O. E. Brown. No. 1,217,699; Feb. 27; v. 235; p. 1260.
- Jar holder, Fruit. W. G. Nutt. No. 1,219,347; Mar. 13; v. 236; p. 544.
- Jar-holding device. W. O. Ellis. No. 1,225,229; May 8; v. 238; p. 438.
- Jar-lifter. R. H. Cocking. No. 1,233,187; July 10; v. 240; p. 578.
- Jar-lifting device. E. E. Huntsman. No. 1,219,398; Mar. 13; v. 236; p. 562.
- Jar opener and holder. G. E. Valentine. No. 1,214,395; Jan. 30; v. 234; p. 1518.
- Jar-opening wrench. F. W. Riesenbergh. No. 1,226,911; May 22; v. 238; p. 1087.
- Jar-wrench. J. L. Needham. No. 1,227,183; May 22; v. 238; p. 1182.
- Jars, bottles, glasses, or the like, Cap or cover for. R. Sorgan. No. 1,229,341; June 12; v. 239; p. 375.
- Jars, Closure means for hermetically-sealed. G. Staunton. No. 1,212,274; Jan. 16; v. 234; p. 719.
- Jars, Sealing-washer for. J. Neumann. No. 1,215,399; Feb. 13; v. 235; p. 353.
- Jarring-machine. J. Lucas and G. Schliffka. No. 1,234,050; July 17; v. 240; p. 892.
- Jardinière for hanging baskets, Self-watering. A. E. Lutey. No. 1,249,973; Dec. 11; v. 245; p. 478.
- Jelly-making product and producing same. R. Douglas. No. 1,235,666; Aug. 7; v. 241; p. 43.
- Jewel and pivot protector. A. J. Hopewell. No. 1,236,175; Aug. 7; v. 241; p. 207.
- Jewel-box, Safety. J. E. Burrell. No. 1,221,830; Apr. 10; v. 237; p. 320.
- Jewel-case, Alarm. M. Woitas. No. 1,234,847; July 31; v. 240; p. 1215.
- Jewel, Decorative. W. D. Ryan. No. 1,211,240; Jan. 2; v. 234; p. 298.
- Jewel-grinding machine. F. Mueller. No. 1,239,939; Sept. 11; v. 242; p. 418.
- Jewels or precious stones simultaneously, Automatic machine for cutting and polishing a number of. E. Challet. No. 1,240,313; Sept. 18; v. 242; p. 571.
- Jeweler's setting-holder. M. L. Huisinger and E. F. Singer. No. 1,220,423; Mar. 27; v. 236; p. 989.
- Jeweler's tool. H. B. Schmidt. No. 1,240,783; Sept. 18; v. 242; p. 716.
- Jeweler's work-bench. W. H. and G. W. Leiman. No. 1,249,786; Dec. 11; v. 245; p. 424.
- Jeweling-tool, Watchmaker's. Z. Riddle. No. 1,230,032; June 12; v. 239; p. 603.
- Jewelry. T. H. Fishel. No. 1,210,624; Jan. 2; v. 234; p. 86.
- Jewelry. A. Segman. No. 1,219,172; Mar. 13; v. 236; p. 484.
- Jewelry, Article of. J. Neumann. No. 1,216,479; Feb. 20; v. 235; p. 793.
- Jewelry, Article of. J. M. Terry. No. 1,215,428; Feb. 13; v. 235; p. 363.
- Jewelry-box. H. J. Farrington. No. 1,217,291; Feb. 27; v. 235; p. 1114.
- Jewelry-box. A. R. Ridley. No. 1,233,605; July 17; v. 240; p. 752.
- Jewelry-case. T. Catala. No. 1,240,671; Sept. 18; v. 242; p. 682.
- Jewelry-clasp. O. H. Sleeper. No. 1,243,995; Oct. 23; v. 243; p. 899.
- Jig. A. S. Abbott. No. 1,230,974; June 26; v. 239; p. 994.
- Jig. P. F. Holmgren. No. 1,235,031; July 31; v. 240; p. 1275.
- Jig. R. H. Richards. No. 1,230,433; June 19; v. 239; p. 773.
- Jig and sluice-box, Combination. H. W. Fellows. No. 1,243,395; Oct. 16; v. 243; p. 680.
- Jig, Universal. J. J. Hill. No. 1,244,210; Oct. 23; v. 243; p. 963.
- Jigger for separating coal and slate. H. J. Moyer. No. 1,225,157; May 8; v. 238; p. 414.
- Jigger, Movable-bottom-screen. H. J. Moyer. No. 1,225,158; May 8; v. 238; p. 415.
- Jiggers, Stabilized movable bottom for. H. J. Moyer. No. 1,225,159; May 8; v. 238; p. 415.
- Joint: *See*—
- Auxiliary joint. Ladder-joint.
 - Ball-joint. Lock-joint.
 - Cable-joint. Metal joint.
 - Concrete-pipe joint. Paving-joint.
 - Corner-joint. Phonograph-tone-arm joint.
 - Crossing-bar joint. Pipe-joint.
 - Culvert-joint. Rail-joint.
 - Electric-cable joint. Railway-joint.
 - Electrical-conductor joint. Railway-rail joint.
 - Expansion-joint. Roofing lap-joint.
 - Fence-wire joint. Rule-joint.
 - Fish-joint. Sash-joint.
 - Flexible clamp-joint. Sash-bar joint.
 - Furniture-joint. Simplex joint.
 - Hinge-joint. Steering-knuckle joint.
 - Insulating-joint. Sucker-rod joint.
 - Insulator-joint. Universal joint.
 - Knee-joint. Woodwork-joint.
- Joint. P. Levitt. No. 1,215,944; Feb. 13; v. 235; p. 551.
- Joint. G. P. Youmans. No. 1,221,946; Apr. 10; v. 237; p. 362.
- Joint, Appliance for forming a non-leak. C. Drader and R. R. Candee. No. 1,217,859; Feb. 27; v. 235; p. 1313.
- Joint-chair. D. H. Evans. No. 1,212,035; Jan. 9; v. 234; p. 604.
- Joint-chair. J. L. Sparling. (Reissue.) No. 14,272; Mar. 13; v. 236; p. 575.
- Joint-clamp. J. P. Turner. No. 1,226,419; May 15; v. 238; p. 887.
- Joint connection. A. B. Russell. No. 1,239,043; Sept. 4; v. 242; p. 103.

Alphabetical list of inventions—Continued.

- Joint cover, Universal-. F. J. Sarmiento. No. 1,236,768; Aug. 14; v. 241; p. 434.
- Joint for rails and structural steelwork. G. H. Hoelscher. No. 1,213,195; Jan. 23; v. 234; p. 1073.
- Joint-forming material, Device for retaining. L. A. Weston. No. 1,237,003; Aug. 14; v. 241; p. 508.
- Joints and stretching the muscles and ligaments of the hands, Apparatus for use by musicians for promoting the flexibility of the. H. Ostrovsky. No. 1,250,636; Dec. 18; v. 245; p. 713.
- Joints in metallic bodies, Composition for filling. J. D. White. No. 1,223,458; Apr. 24; v. 237; p. 959.
- Joints, Making autogenous. B. Ford. No. 1,234,699; July 24; v. 240; p. 1136.
- Joints, Process and apparatus for making brazed. F. W. Heuser. (Reissue.) No. 14,245; Jan. 9; v. 234; p. 650.
- Joints, Yielding fastening for. F. Lambert. No. 1,229,623; June 12; v. 239; p. 471.
- Jointer, Automatic. D. A. Johnson. No. 1,218,562; Mar. 6; v. 236; p. 232.
- Jointer-feeder. P. J. Smith. No. 1,249,533; Dec. 11; v. 245; p. 350.
- Jointing and matching cutter. E. H. Waugh. No. 1,215,755; Feb. 13; v. 235; p. 482.
- Joist-anchor. R. C. Peter. No. 1,251,276; Dec. 25; v. 245; p. 952.
- Joist-lifter. J. Waska. No. 1,220,034; Mar. 20; v. 236; p. 812.
- Joist- or beam support or anchor. G. F. Hall. No. 1,229,070; June 5; v. 239; p. 233.
- Joist-ramming and rock-over machine, Combination. W. C. Norcross. No. 1,224,407; May 1; v. 238; p. 105.
- Joist-ramming and rock-over machine, Combination. W. C. Norcross. No. 1,245,955; Nov. 6; v. 244; p. 245.
- Joist-ramming and rock-over machines, Leveling drawing-table for combination. W. C. Norcross. No. 1,231,187; June 26; v. 239; p. 1067.
- Joist-ramming and rock-over machines, Leveling drawing-table for combination. W. C. Norcross. No. 1,245,953; Nov. 6; v. 244; p. 244.
- Joist ramming-machines, Valve for. W. C. Norcross. No. 1,245,954; Nov. 6; v. 244; p. 244.
- Journal-bearing. G. F. Blume. No. 1,217,141; Feb. 27; v. 235; p. 1064.
- Journal-bearing. G. F. Blume. No. 1,227,992; May 29; v. 238; p. 1483.
- Journal-bearing. G. W. Denton. No. 1,216,781; Feb. 20; v. 235; p. 897.
- Journal-bearing. A. C. Drew. No. 1,223,482; Apr. 24; v. 237; p. 968.
- Journal-bearing. C. A. Hagadone. No. 1,221,315; Apr. 3; v. 237; p. 111.
- Journal-bearing. H. O. Nelson. No. 1,218,203; Mar. 6; v. 236; p. 110.
- Journal-bearing. B. F. Stewart. No. 1,234,953; July 31; v. 240; p. 1252.
- Journal-bearing. J. Sturrock. No. 1,219,187; Mar. 13; v. 236; p. 489.
- Journal-bearing, Adjustable. H. Webber. No. 1,233,426; July 17; v. 240; p. 691.
- Journal-bearing and roller-seat, Combined. F. L. Barber. No. 1,241,186; Sept. 25; v. 242; p. 875.
- Journal-bearings, Locking-key for. H. Long. No. 1,233,678; July 17; v. 240; p. 774.
- Journal-box. G. O. Borgland. No. 1,230,986; June 26; v. 239; p. 998.
- Journal-box. A. O. Buckius, Jr. No. 1,229,220; June 12; v. 239; p. 334.
- Journal-box. V. Foster. No. 1,224,730; May 1; v. 238; p. 219.
- Journal-box. W. J. Ray. No. 1,241,658; Oct. 2; v. 243; p. 61.
- Journal-box. F. D. Sheldon. No. 1,210,549; Jan. 2; v. 234; p. 60.
- Journal-box. E. W. Summers. No. 1,215,743; Feb. 13; v. 235; p. 478.
- Journal-box, Adjustable. J. C. Theriot. No. 1,219,192; Mar. 13; v. 236; p. 491.
- Journal-box and support therefor, Car-axle. J. R. Fleming. No. 1,241,365; Sept. 25; v. 242; p. 932.
- Journal-box-cooling attachment. R. B. Harris. No. 1,235,137; July 31; v. 240; p. 1306.
- Journal-box for car-trucks, Composite. J. A. Lamon. No. 1,245,471; Nov. 6; v. 244; p. 98.
- Journal-box, Lateral-motion. F. L. Barber. No. 1,245,307; Nov. 6; v. 244; p. 50.
- Journal-box lid. W. S. Adams. No. 1,240,002; Sept. 11; v. 242; p. 437.
- Journal-box lid. P. Brown. No. 1,248,259; Nov. 27; v. 244; p. 1013.
- Journal-box lock. F. H. Day. No. 1,241,347; Sept. 25; v. 242; p. 927.
- Journal-box, Oil-circulating. J. W. Curran. No. 1,248,820; Dec. 4; v. 245; p. 117.
- Journal-box, Pressed-steel. W. E. Williams. No. 1,230,057; June 12; v. 239; p. 610.
- Journal-box-securing mechanism. P. J. Howard. No. 1,229,617; June 12; v. 239; p. 469.
- Journal-box, Ventilated. W. E. Crist. No. 1,251,183; Dec. 25; v. 245; p. 925.
- Journal-boxes, Ball-bearing for. A. O. Irwin. No. 1,231,366; June 26; v. 239; p. 1126.
- Journal-boxes, Brass-remover for. P. E. Valentine. No. 1,220,911; Mar. 27; v. 236; p. 1154.
- Journal-boxes, Gib and key for adjustable. J. C. Theriot. No. 1,240,512; Sept. 18; v. 242; p. 633.
- Journal-boxes, Making. A. O. Buckius, Jr. No. 1,229,219; June 12; v. 239; p. 334.
- Journal-boxes, Means for raising. C. B. Hathaway and C. B. Elliott. No. 1,223,046; Apr. 17; v. 237; p. 787.
- Journal-boxes, Waste holder or check for. E. Armstrong. No. 1,232,644; July 10; v. 240; p. 399.
- Journal-boxes, Wear-plate for. A. O. Buckius, Jr. No. 1,230,859; June 26; v. 239; p. 955.
- Journal-bushing for jacks. T. A. McGinley. No. 1,220,991; Mar. 27; v. 236; p. 1181.
- Journal-lubricating device. W. H. Lanphear. No. 1,214,554; Feb. 6; v. 235; p. 25.
- Journal-lubricator. E. Engel and E. Roberts. No. 1,248,295; Nov. 27; v. 244; p. 1023.
- Journal-lubricator. E. H. Ernst. No. 1,222,857; Apr. 17; v. 237; p. 722.
- Journal-lubricator. J. C. Martin. No. 1,234,367; July 24; v. 240; p. 1033.
- Journal-lubricator. C. A. Simmons. No. 1,213,428; Jan. 23; v. 234; p. 1156.
- Journal-lubricator. J. M. Urbleta. No. 1,232,410; July 3; v. 240; p. 289.
- Journal-lubricator, Automatic. J. J. Hennessy. No. 1,245,586; Nov. 6; v. 244; p. 135.
- Journal-pollsher. W. H. Basenberg. No. 1,215,238; Feb. 6; v. 235; p. 263.
- Journal-refinishing tool. K. R. Peters. No. 1,250,646; Dec. 18; v. 245; p. 716.
- Journal-spring. J. M. Waugh. No. 1,222,698; Apr. 17; v. 237; p. 669.
- Journals, Device for detecting and cooling hot. P. J. Murray. No. 1,228,231; May 29; v. 238; p. 1539.
- Journals, Device for detecting, cooling, and lubricating hot. P. J. Murray. No. 1,228,232; May 29; v. 238; p. 1560.
- Jug-closure, &c. C. S. Baron. No. 1,248,593; Dec. 4; v. 245; p. 51.
- Juice-dispensing device, Fruit-. W. G. McCrea. No. 1,215,310; Feb. 6; v. 235; p. 288.
- Juice extractor, Fruit-. R. L. Meyers. No. 1,228,342; May 29; v. 238; p. 1596.
- Junction-box. A. Chmela. No. 1,238,885; Sept. 4; v. 242; p. 53.
- Junction-box connector. M. Janofsky. No. 1,246,102; Nov. 13; v. 244; p. 316.
- Junction-box coupling for electric-wire conduits. L. E. Webster. No. 1,245,077; Oct. 30; v. 243; p. 1264.
- Junction-box coupling, Self-locking. A. W. Weikert and J. Pettibone. No. 1,215,595; Feb. 13; v. 235; p. 426.
- Junction or outlet box. W. Wurdack. No. 1,221,944; Apr. 10; v. 237; p. 361.
- Kassette. J. R. Kelley. No. 1,213,208; Jan. 23; v. 234; p. 1078.
- Kauri and other like gums, Apparatus for the treatment of. F. V. Raymond. No. 1,249,493; Dec. 11; v. 245; p. 338.
- Kauri and other like gums, Treatment of. F. V. Raymond. No. 1,245,273; Nov. 6; v. 244; p. 39.
- Keg liner and cleat. C. F. Lofe. No. 1,226,346; May 15; v. 238; p. 864.
- Kegs, Safety-spout for powder-. H. H. Davis. No. 1,212,025; Jan. 9; v. 234; p. 601.
- Kelp, Incinerating. G. A. Lamb. No. 1,240,737; Sept. 18; v. 242; p. 701.
- Keratin bodies, Treating. C. G. Stebbins and A. Gelow. No. 1,219,787; Mar. 20; v. 236; p. 727.
- Kerosene, Heating device for vaporizing and burning. J. I. Logan. No. 1,230,735; June 19; v. 239; p. 874.
- Kerosene-vaporizer. A. L. Lamar. No. 1,222,548; Apr. 10; v. 237; p. 574.
- Kerosene-vaporizer. J. Van den Bos. No. 1,231,842; July 3; v. 240; p. 103.
- Kerosene vaporizer and manifold, Combined. J. J. Lamb. No. 1,217,781; Feb. 27; v. 235; p. 1287.
- Ketonic compounds, Producing. A. Lüttringhaus and W. Koch. No. 1,220,248; Mar. 27; v. 236; p. 926.
- Kettle. R. F. Goecke. No. 1,241,619; Oct. 2; v. 243; p. 49.
- Kettle and strainer, Combined. G. H. Baumann. No. 1,224,058; Apr. 24; v. 237; p. 1170.
- Kettle, Combination-. G. A. Kinkel. No. 1,238,688; Aug. 28; v. 241; p. 1117.
- Kettle, Rendering-. L. L. Knox. No. 1,229,758; June 12; v. 239; p. 515.
- Key: See—
- Ball-key. Operator's key.
- Clock-key. Telegraph-key.
- Cotter-key.
- Key. F. J. Dyett. No. 1,221,709; Apr. 3; v. 237; p. 246.
- Key attachment. S. Stein. No. 1,237,115; Aug. 14; v. 241; p. 545.
- Key-bolt-locking means. F. L. H. Sims. No. 1,228,489; June 5; v. 239; p. 89.
- Key-cutting machine. E. A. Christoph. No. 1,243,810; Oct. 23; v. 243; p. 844.
- Key-cutting machine. A. Heldrich. No. 1,218,653; Mar. 13; v. 236; p. 302.
- Key-cutting machine. C. Terracciano. No. 1,242,105; Oct. 2; v. 243; p. 202.
- Key-cutting machine. F. Wankel. No. 1,225,539; May 8; v. 238; p. 544.

- Key-dress. O. Berghorn. No. 1,220,171; Mar. 27; v. 236; p. 899.
- Key-fastener. F. Berggren. No. 1,235,098; July 31; v. 240; p. 1295.
- Key-fastener. F. and F. Nack, Jr. No. 1,247,316; Nov. 20; v. 244; p. 710.
- Key-gage. J. C. Ross. No. 1,227,492; May 22; v. 238; p. 1281.
- Key-guide for keyholes. E. E. Brown. No. 1,223,366; Apr. 24; v. 237; p. 927.
- Key-identifying device. G. Dähne. No. 1,219,706; Mar. 20; v. 236; p. 699.
- Key-retainer. C. J. Steiner. No. 1,242,257; Oct. 9; v. 243; p. 290.
- Key-ring. M. Sapo. No. 1,219,871; Mar. 20; v. 236; p. 757.
- Key-ring holder. W. L. Kirkland. No. 1,215,283; Feb. 6; v. 235; p. 279.
- Key-ring holder. A. Kropp. No. 1,212,511; Jan. 16; v. 234; p. 801.
- Key-seating tool. G. S. Coats. No. 1,239,159; Sept. 4; v. 242; p. 141.
- Key-sockets. Pull attachment for. P. Golatzky. No. 1,238,401; Aug. 28; v. 241; p. 1027.
- Keyboard for key-operated machine. Practice. N. Kinnaman. No. 1,220,428; Mar. 27; v. 236; p. 991.
- Keyboard. Transposing. T. A. Sharkey. No. 1,244,250; Oct. 23; v. 243; p. 976.
- Keyhole attachment for locks. D. P. Mahon. No. 1,217,798; Feb. 27; v. 235; p. 1293.
- Keyhole-guard. E. E. Curtiss. No. 1,223,477; Apr. 24; v. 237; p. 967.
- Keyhole-plate. Luminous. F. W. Harvey. No. 1,243,518; Oct. 16; v. 243; p. 719.
- Keyless lock. C. W. Horn. No. 1,229,269; June 12; v. 239; p. 350.
- Keyless lock. E. F. Kohl. No. 1,240,981; Sept. 25; v. 242; p. 811.
- Keyless lock. J. Macé. No. 1,241,532; Oct. 2; v. 243; p. 19.
- Keyless lock. A. D. Newman. No. 1,249,460; Dec. 11; v. 245; p. 328.
- Keyway-slotting device. W. F. Schmidt. No. 1,210,544; Jan. 2; v. 234; p. 57.
- Kieselguhr filler and preparing it. A. H. Krieger. No. 1,214,185; Jan. 30; v. 234; p. 1443.
- Kiln: See—
 Brick-kiln. Limekiln.
 Ceramic kiln. Tunnel-kiln.
 Dry-kiln. Ware-kiln.
 Drying-kiln.
- Kiln. C. W. Bowlsman. No. 1,251,333; Dec. 25; v. 245; p. 969.
- Kiln. M. R. Isaacs. No. 1,231,893; July 3; v. 240; p. 120.
- Kiln. J. A. Reams. No. 1,223,732; Apr. 24; v. 237; p. 1058.
- Kiln. J. P. Williams. No. 1,245,846; Nov. 6; v. 244; p. 214.
- Kiln-cleaning device. Rotary. G. F. Downs. No. 1,220,827; Mar. 27; v. 236; p. 1128.
- Kiln construction. C. H. Zwermann. No. 1,216,390; Feb. 20; v. 235; p. 762.
- Kiln for and method of treating ceramic and similar material. J. T. Underwood and I. M. Justice. No. 1,224,978; May 8; v. 238; p. 354.
- Kiln for drying vegetable substances. E. W. Andersen. No. 1,218,156; Mar. 6; v. 236; p. 94.
- Kilns. Cooling-plate for nodulizing. R. V. McKay. No. 1,222,646; Apr. 17; v. 237; p. 650.
- Kilns. Fire-box for. M. F. Swanson. No. 1,246,179; Nov. 13; v. 244; p. 339.
- Kimono. V. M. Elliott. No. 1,211,832; Jan. 9; v. 234; p. 534.
- Kinetographic films. Producing. H. W. Webb. No. 1,216,026; Feb. 13; v. 235; p. 581.
- Kinetoscope-shutter. T. H. Blair. No. 1,213,147; Jan. 23; v. 234; p. 1056.
- King-bolt for wagons. H. B. Baxter. No. 1,214,487; Jan. 30; v. 234; p. 1548.
- Kitchen. Field-. J. M. Gunn. No. 1,244,489; Oct. 30; v. 243; p. 1086.
- Kitchen. Field-. C. O. Thomas, Jr. No. 1,238,216; Aug. 28; v. 241; p. 966.
- Kitchen-fork. W. A. Scott. No. 1,227,679; May 29; v. 238; p. 1374.
- Kitchen-indicator. E. C. Siddens. No. 1,220,696; Mar. 27; v. 236; p. 1034.
- Kitchen-table. A. R. Eiseman. No. 1,219,715; Mar. 20; v. 236; p. 702.
- Kitchen-table. Combination. N. Renner. No. 1,235,056; July 31; v. 240; p. 1283.
- Kitchen utensil. J. G. Gavlak. No. 1,225,430; May 8; v. 238; p. 509.
- Kitchen utensil. G. E. Henry. No. 1,237,040; Aug. 14; v. 241; p. 521.
- Kitchen utensil. E. H. Johnson. No. 1,250,890; Dec. 18; v. 245; p. 789.
- Kitchen utensil. L. M. Kilnka. No. 1,235,038; July 31; v. 240; p. 1278.
- Kitchen utensil. H. J. Palmer. No. 1,232,385; July 3; v. 240; p. 282.
- Kitchen utensil. J. F. Thompson. No. 1,214,388; Jan. 30; v. 234; p. 1516.
- Kitchen utensil. D. B. Wolford. No. 1,214,631; Feb. 6; v. 235; p. 52.
- Kitchen-utensil cleaner. J. Scarr. No. 1,210,850; Jan. 2; v. 234; p. 161.
- Kitchenette. C. S. Avedisian and J. J. Dwyer. No. 1,244,407; Oct. 23; v. 243; p. 1023.
- Kitchenette. Portfolio-. E. D. Moore. No. 1,240,997; Sept. 25; v. 242; p. 816.
- Kite. A. L. Graham. No. 1,223,163; Apr. 17; v. 237; p. 828.
- Kite. S. F. Perkins. No. 1,222,791; Apr. 17; v. 237; p. 700.
- Kite. S. F. Perkins. No. 1,227,654; May 29; v. 238; p. 1365.
- Kite. A. Roa. No. 1,214,592; Feb. 6; v. 235; p. 38.
- Knee-joint for artificial limbs. W. H. and J. Wambsgans. No. 1,243,906; Oct. 23; v. 243; p. 874.
- Knee-protector. R. T. Jenney and R. J. Langer. No. 1,251,040; Dec. 25; v. 245; p. 884.
- Knife: See—
 Beet-topping knife. Miter-knife.
 Bread-knife. Mower-knife.
 Corn-knife. Multibladed knife.
 Fruit-knife. Pocket-knife.
 Grooving-knife. Safety-knife.
 Hay-knife. Safety-blade knife.
 Innersole-leveling knife. Skinning-knife.
 Meat-cutting knife. Skiving-knife.
- Knife. J. Ambicky. No. 1,235,870; Aug. 7; v. 241; p. 112.
- Knife. C. R. Keeran. No. 1,234,345; July 24; v. 240; p. 1024.
- Knife and fork. Combination. E. D. Woods. No. 1,229,696; June 12; v. 239; p. 495.
- Knife and sharpening-stone. Combined. J. G. Boston. No. 1,232,886; July 10; v. 240; p. 481.
- Knife-blade switch. F. B. Holt. No. 1,229,750; June 12; v. 239; p. 512.
- Knife-blade switch. A. K. Sutherland. No. 1,216,513; Feb. 20; v. 235; p. 805.
- Knife-blades to a knife-bar. Means for securing. H. Berglund. No. 1,218,511; Mar. 6; v. 236; p. 215.
- Knife-cleaning device. B. Amoto. No. 1,219,993; Mar. 20; v. 236; p. 798.
- Knife-guard. H. O. Sebring. No. 1,239,626; Sept. 11; v. 242; p. 317.
- Knife-handle. D. J. Lefebvre. No. 1,219,116; Mar. 13; v. 236; p. 465.
- Knife-holding bar. Universal. V. M. Tuthill. No. 1,214,241; Jan. 30; v. 234; p. 1463.
- Knife-setting gage. F. J. Wuesthoff. No. 1,225,552; May 8; v. 238; p. 549.
- Knife-support for cutting-wheels. F. J. Bullock. No. 1,236,259; Aug. 7; v. 241; p. 234.
- Knife-switch. H. F. Johanningmyer. No. 1,235,693; Aug. 7; v. 241; p. 52.
- Knives. Adjustable paring and slicing gage for. H. Till. No. 1,236,233; Aug. 7; v. 241; p. 228.
- Knives and product thereof. Making table-. J. F. Lamb and H. Pagan. No. 1,212,969; Jan. 16; v. 234; p. 962.
- Knives. Making tubular. A. Latham. No. 1,221,195; Apr. 3; v. 237; p. 68.
- Knit article and knitting the same. Welted. R. W. Scott. No. 1,210,711; Jan. 2; v. 234; p. 116.
- Knit article and making the same. R. W. Scott. No. 1,234,703; July 24; v. 240; p. 1137.
- Knit fabric. W. Wilson. No. 1,229,369; June 12; v. 239; p. 385.
- Knit fabric and knitting the same. R. W. Scott. No. 1,216,506; Feb. 20; v. 235; p. 802.
- Knit silk waists. Making. C. C. Hyde. No. 1,247,404; Nov. 20; v. 244; p. 735.
- Knitted and crocheted article of wearing-apparel. E. T. Church and W. E. Webb, Jr. No. 1,219,084; Mar. 13; v. 236; p. 454.
- Knitted fabric and making the same. Warp-. G. Saupe. No. 1,218,213; Mar. 6; v. 236; p. 114.
- Knitted fabric and producing the same. W. H. Carter. No. 1,231,565; July 3; v. 240; p. 8.
- Knitted fabrics. Producing warp-. M. A. Myers and R. Keene. No. 1,234,927; July 31; v. 240; p. 1242.
- Knitted garments. Thread for making. O. F. Oakes. No. 1,228,126; May 29; v. 238; p. 1526.
- Knitted goods and making the same. F. Cecka. No. 1,228,648; June 5; v. 239; p. 92.
- Knitted goods. Apparatus for making reinforced. F. Cecka. No. 1,213,333; Jan. 23; v. 234; p. 1123.
- Knitted webs. Machine for treating. J. D. Morley. No. 1,213,527; Jan. 23; v. 234; p. 1189.
- Knitted webs. Machine for uniting. L. N. D. Williams. No. 1,239,241; Sept. 4; v. 242; p. 168.
- Knitting fine-gage fabrics. R. W. Scott. No. 1,248,019; Nov. 27; v. 244; p. 945.
- Knitting frame. Flat-warp-. G. Saupe. No. 1,218,212; Mar. 6; v. 236; p. 113.
- Knitting-machine. G. L. Ballard. No. 1,247,615; Nov. 27; v. 244; p. 827.
- Knitting-machine. E. J. Franck. No. 1,216,302; Feb. 20; v. 235; p. 730.
- Knitting-machine. E. J. Franck. No. 1,218,073; Mar. 6; v. 236; p. 64.
- Knitting-machine. H. Goldner. No. 1,216,682; Feb. 20; v. 235; p. 863.

Alphabetical list of inventions—Continued.

- Knitting-machine. R. J. Jenckes. No. 1,244,503; Oct. 30; v. 243; p. 1090.
- Knitting-machine. P. P. La Montagne. No. 1,247,972; Nov. 27; v. 244; p. 933.
- Knitting-machine. J. B. Lomax. No. 1,236,189; Aug. 7; v. 241; p. 213.
- Knitting-machine. M. C. Miller. No. 1,245,007; Oct. 30; v. 243; p. 1243.
- Knitting-machine. C. H. Perkins. No. 1,211,872; Jan. 9; v. 234; p. 548.
- Knitting-machine. H. Peters. No. 1,240,250; Sept. 18; v. 242; p. 551.
- Knitting-machine. A. M. Pigeon. No. 1,213,004; Jan. 16; v. 234; p. 975.
- Knitting-machine. A. M. Pigeon. (Reissue.) No. 1,369; Sept. 25; v. 242; p. 971.
- Knitting-machine. E. E. Randall. No. 1,210,837; Jan. 2; v. 234; p. 157.
- Knitting-machine. J. H. Rice. No. 1,215,411; Feb. 13; v. 235; p. 357.
- Knitting-machine. A. Schwartz. No. 1,228,483; June 5; v. 239; p. 37.
- Knitting-machine. G. E. Stevens. No. 1,248,744; Dec. 4; v. 245; p. 94.
- Knitting-machine. G. E. Stevens. No. 1,248,745; Dec. 4; v. 245; p. 94.
- Knitting-machine. F. Wilcomb. No. 1,244,267; Oct. 23; v. 243; p. 982.
- Knitting-machine. F. Wilcomb. No. 1,244,268; Oct. 23; v. 243; p. 982.
- Knitting-machine. F. Wilcomb. No. 1,244,270; Oct. 23; v. 243; p. 983.
- Knitting-machine cam mechanism. R. W. Scott. No. 1,221,610; Apr. 3; v. 237; p. 212.
- Knitting-machine cam mechanism. H. Swinglehurst. No. 1,218,335; Mar. 6; v. 236; p. 156.
- Knitting-machine, Circular. W. T. Barratt. No. 1,230,837; June 26; v. 239; p. 948.
- Knitting-machine, Circular. W. Larkin. No. 1,244,991; Oct. 30; v. 243; p. 1238.
- Knitting-machine, Circular. M. C. Miller. No. 1,239,713; Sept. 11; v. 242; p. 347.
- Knitting-machine, Circular. W. E. Smith. No. 1,227,683; May 29; v. 238; p. 1376.
- Knitting-machine, Circular. W. Splers. No. 1,210,866; Jan. 2; v. 234; p. 167.
- Knitting-machine, Circular. F. Wilcomb. No. 1,244,672; Oct. 30; v. 243; p. 1141.
- Knitting-machine, Circular. F. B. Wildman. No. 1,216,900; Feb. 20; v. 235; p. 936.
- Knitting-machine, Circular fashioning. A. M. Pigeon. No. 1,213,003; Jan. 16; v. 234; p. 975.
- Knitting-machine, Circular latch-needle. W. H. Carter. No. 1,231,566; July 3; v. 240; p. 8.
- Knitting-machine-controlling device. W. S. Parker. No. 1,225,848; May 15; v. 238; p. 691.
- Knitting-machine for making antiviral courses in hosiery. E. Bedard. No. 1,250,773; Dec. 18; v. 245; p. 754.
- Knitting-machine for narrow webs. R. W. Scott and H. Swinglehurst. No. 1,237,106; Aug. 14; v. 241; p. 542.
- Knitting-machine, Mechanism for transferring stitches from needles of a. L. N. D. Williams. No. 1,245,546; Nov. 6; v. 244; p. 123.
- Knitting-machine needle. F. Pope and E. E. Randall. No. 1,241,882; Oct. 2; v. 243; p. 132.
- Knitting-machine needle. R. W. Scott. No. 1,248,020; Nov. 27; v. 244; p. 945.
- Knitting-machine-needle carrier. A. M. Pigeon. No. 1,230,322; June 19; v. 239; p. 738.
- Knitting-machine pattern mechanism. R. W. Scott. No. 1,225,683; May 8; v. 238; p. 593.
- Knitting-machine, Spring-needle. G. P. Bosworth. No. 1,235,545; Aug. 7; v. 241; p. 4.
- Knitting-machine, Spring-needle. F. Wilcomb. No. 1,244,673; Oct. 30; v. 243; p. 1142.
- Knitting-machine, Spring-needle. F. Wilcomb. No. 1,244,674; Oct. 30; v. 243; p. 1142.
- Knitting-machine, Spring-needle. F. Wilcomb. No. 1,244,675; Oct. 30; v. 243; p. 1142.
- Knitting-machine, Stocking. R. W. Scott. No. 1,224,870; May 1; v. 238; p. 266.
- Knitting-machine, Stop-motion. F. Crawford, Sr. No. 1,212,912; Jan. 16; v. 234; p. 941.
- Knitting-machine, Stop-motion. O. Laroche. No. 1,212,367; Jan. 16; v. 234; p. 750.
- Knitting-machine yarn-changing mechanism. A. N. Ames. No. 1,210,881; Jan. 2; v. 234; p. 173.
- Knitting-machine yarn-changing mechanism. R. W. Scott. No. 1,211,372; Jan. 2; v. 234; p. 339.
- Knitting-machine yarn-feeding mechanism. R. W. Scott. No. 1,238,052; Aug. 21; v. 241; p. 879.
- Knitting-machines, Clutch-shifting mechanism for circular. H. A. Houseman. No. 1,213,199; Jan. 23; v. 234; p. 1074.
- Knitting-machines, Drop-stitch mechanism for full-fashioned. F. H. Stoeckel. No. 1,246,797; Nov. 13; v. 244; p. 525.
- Knitting-machines, High-splicing mechanism for circular. F. W. Robinson. No. 1,214,828; Feb. 6; v. 235; p. 119.
- Knitting-machines, Instrument-actuating device for. R. W. Scott. No. 1,212,568; Jan. 16; v. 234; p. 822.
- Knitting-machines, Needle-carrier and needle for. R. W. Scott. No. 1,221,806; Apr. 3; v. 237; p. 279.
- Knitting-machines, Needle-cylinder for. A. M. Pigeon. No. 1,220,887; Mar. 27; v. 236; p. 1147.
- Knitting-machines, Needle-leveling device for circular. H. Swinglehurst. No. 1,234,417; July 24; v. 240; p. 1050.
- Knitting-machines, Needle mechanism for. R. W. Scott. No. 1,221,807; Apr. 3; v. 237; p. 280.
- Knitting-machines, Overthrow guard-cam for. F. Wilcomb. No. 1,220,918; Mar. 27; v. 236; p. 1157.
- Knitting-machines, Pattern drum and chain for. E. Lippitt. No. 1,223,811; Apr. 24; v. 237; p. 1087.
- Knitting-machines, Picker mechanism and controlling-cam for. A. M. Pigeon. No. 1,247,324; Nov. 20; v. 244; p. 712.
- Knitting-machines, Sinker mechanism for. G. W. Cummings. No. 1,232,230; July 3; v. 240; p. 233.
- Knitting-machines, Stitch-transferring device for. L. N. D. Williams. No. 1,211,021; Jan. 2; v. 234; p. 224.
- Knitting-machines, Striping attachment for. R. W. Scott. No. 1,236,770; Aug. 14; v. 241; p. 434.
- Knitting-machines, Tension device for hosiery. J. Bennett. No. 1,241,329; Sept. 25; v. 242; p. 922.
- Knitting-machines, Trunnion-mounted element for. F. Wilcomb. No. 1,244,269; Oct. 23; v. 243; p. 983.
- Knitting-machines, Web-holder guiding and retaining device for. L. N. D. Williams. No. 1,228,085; May 29; v. 238; p. 1514.
- Knitting-machines, Yarn cutter and holder mechanism for circular. H. L. Trudel and H. B. Dawson. No. 1,248,206; Nov. 27; v. 244; p. 997.
- Knitting-machines, Yarn-feeding device for. R. W. Scott. No. 1,237,256; Aug. 14; v. 241; p. 588.
- Knitting-machines, Yarn take-up and tension for. R. W. Scott. No. 1,238,716; Aug. 28; v. 241; p. 1126.
- Knitting-machines, Yarn-trap for hosiery. J. Bennett. No. 1,241,328; Sept. 25; v. 242; p. 922.
- Knitting reinforced goods. F. Cecka. No. 1,232,218; July 3; v. 240; p. 229.
- Knitting upon transferred fabric sections, Device for. R. W. Scott. No. 1,239,527; Sept. 11; v. 242; p. 285.
- Knob fastener, Door. C. D. Mallatt. No. 1,245,939; Nov. 6; v. 244; p. 240.
- Knob, Insulator. J. W. Homer. No. 1,218,181; Mar. 6; v. 236; p. 101.
- Knob-lock for doors. F. J. Schalow. No. 1,214,596; Feb. 6; v. 235; p. 39.
- Knob-lock for doors. F. J. Schalow. No. 1,236,881; Aug. 14; v. 241; p. 468.
- Knockdown bench. M. W. Neuens. No. 1,228,954; June 5; v. 239; p. 195.
- Knockdown box. G. Krbavac. No. 1,222,416; Apr. 10; v. 237; p. 628.
- Knockdown box. H. B. Ruggles. No. 1,215,713; Feb. 13; v. 235; p. 469.
- Knockdown box. H. B. Walter. No. 1,229,834; June 12; v. 239; p. 541.
- Knockdown box or crate. A. C. Friedel. No. 1,220,621; Mar. 27; v. 236; p. 1058.
- Knockdown table. H. C. Cook. No. 1,216,079; Feb. 13; v. 235; p. 600.
- Knockdown table. B. M. Fox. No. 1,225,234; May 8; v. 238; p. 440.
- Knotter. E. D. Parker. No. 1,241,758; Oct. 2; v. 243; p. 92.
- Knuckle, Combination power and steering. H. W. Barger. No. 1,212,882; Jan. 16; v. 234; p. 931.
- Label-affixing machine. T. R. Stockard. No. 1,231,448; June 26; v. 239; p. 1154.
- Label and guard, Container. W. H. Merkle and J. H. Geraghty. No. 1,238,551; Aug. 28; v. 241; p. 1077.
- Label cutting and folding machine. M. Petrocchi. No. 1,211,489; Jan. 9; v. 234; p. 413.
- Label cutting and folding machine. A. and M. Rosenthal. No. 1,215,707; Feb. 13; v. 235; p. 467.
- Label feeding and cutting machine. F. Chatfield. No. 1,210,761; Jan. 2; v. 234; p. 132.
- Label-feeding machine. F. Chatfield. No. 1,211,543; Jan. 9; v. 234; p. 434.
- Label folding and marking machine. J. H. Barr. No. 1,243,032; Oct. 16; v. 243; p. 573.
- Label for bottles and other receptacles. A. J. B. Laus-sedat. No. 1,226,897; May 22; v. 238; p. 1082.
- Label-holder. L. Hall. No. 1,229,948; June 12; v. 239; p. 577.
- Label-holder. L. Hall. No. 1,233,873; July 17; v. 240; p. 836.
- Label-holder attachment. W. R. Patterson. No. 1,245,963; Nov. 6; v. 244; p. 247.
- Label-holding cap or cover of a can, jar, or other body. M. H. Cohen. No. 1,215,114; Feb. 6; v. 235; p. 220.
- Label-making machine. M. Meyer. No. 1,247,130; Nov. 20; v. 244; p. 657.
- Label-making machine. M. Meyer. No. 1,251,081; Dec. 25; v. 245; p. 895.
- Label, Poison. H. D. Morton. No. 1,221,572; Apr. 3; v. 237; p. 201.
- Label, seal, and cork-puller, Combined. E. A. Hudson. No. 1,222,765; Apr. 17; v. 237; p. 691.
- Labels, Manufacture of. C. Jordan. No. 1,225,253; May 8; v. 238; p. 446.
- Labeler, Pouch. E. L. Bracy. No. 1,234,722; July 31; v. 240; p. 1179.

- Labeling an article. F. H. Bronner. No. 1,229,877; June 12; v. 239; p. 555.
- Labeling and affixing seal-strips on bottles, Mechanism for continuous. H. Stake. No. 1,246,006; Nov. 6; v. 244; p. 257.
- Labeling and wrapping machines, Magazine for. C. Beckmann. No. 1,219,426; Mar. 20; v. 236; p. 602.
- Labeling, Can-. W. E. Taylor. No. 1,229,187; June 5; v. 239; p. 273.
- Labeling, filling, and stoppering machine. F. Coates. No. 1,211,289; Jan. 2; v. 234; p. 314.
- Labeling-machine. R. Burt. No. 1,221,831; Apr. 10; v. 237; p. 320.
- Labeling-machine. O. Eick. No. 1,230,138; June 19; v. 239; p. 676.
- Labeling-machine. G. Hoepner. No. 1,227,139; May 22; v. 238; p. 1168.
- Labeling-machine. A. La France. No. 1,245,600; Nov. 6; v. 244; p. 140.
- Labeling-machine. L. L. Ladd. No. 1,227,158; May 22; v. 238; p. 1174.
- Labeling-machine. N. Muslar. No. 1,231,634; July 3; v. 240; p. 32.
- Labeling-machine. F. O. Woodland. No. 1,230,550; June 19; v. 239; p. 814.
- Labeling-machine, Adjustable. A. B. Ainsworth. No. 1,217,382; Feb. 27; v. 235; p. 1146.
- Labeling machine, Can-. A. P. Ekvall and H. Stake. No. 1,238,710; Aug. 28; v. 241; p. 1123.
- Labeling machine, Can-. M. Feybusch. No. 1,236,074; Aug. 7; v. 241; p. 176.
- Labeling machine, Can-. H. Kawate. No. 1,224,303; May 1; v. 238; p. 67.
- Labeling machine, Can-. A. R. Lendner. No. 1,230,730; June 19; v. 239; p. 872.
- Labeling machine, Can-. J. C. Shults. No. 1,246,668; Nov. 13; v. 244; p. 487.
- Labeling machine, Catalogue-. S. J. Beauchamp. No. 1,219,907; Mar. 20; v. 236; p. 769.
- Labeling-machine, Rotary. J. E. Johnson and C. H. Oslund. No. 1,238,713; Aug. 28; v. 241; p. 1125.
- Labeling-machines, Wiper mechanism for. F. O. Woodland. No. 1,239,858; Sept. 11; v. 242; p. 393.
- Lace. A. J. Saywell. No. 1,241,666; Oct. 2; v. 243; p. 63.
- Lace-braiding machine. E. Krenzler. No. 1,226,223; May 15; v. 238; p. 819.
- Lace-clasp. M. Niell. No. 1,249,461; Dec. 11; v. 245; p. 328.
- Lace clasp, Shoe-. E. Benson. No. 1,221,656; Apr. 3; v. 237; p. 226.
- Lace-drying machine. E. C. Schneebeli, E. E. Hellick, and M. A. Haldeman. No. 1,238,576; Aug. 28; v. 241; p. 1084.
- Lace effects, Producing. H. Well. No. 1,216,637; Feb. 20; v. 235; p. 849.
- Lace-fastener. E. E. Richardson. No. 1,241,021; Sept. 25; v. 242; p. 823.
- Lace-fastener. D. Winbray. No. 1,222,835; Apr. 17; v. 237; p. 714.
- Lace fastener, Shoe-. E. D. Price. No. 1,245,023; Oct. 30; v. 243; p. 1248.
- Lace-fastening device. J. Lipinski. No. 1,224,390; May 1; v. 238; p. 99.
- Lace-fastening device, Shoe-. W. H. Cowl. No. 1,239,355; Sept. 4; v. 242; p. 204.
- Lace-fastening device, Shoe-. M. L. Hawks. No. 1,220,629; Mar. 27; v. 236; p. 1061.
- Lace or ruching holding card. B. F. Moody. No. 1,232,955; July 10; v. 240; p. 502.
- Laces, Tip-fastener for shoe-. E. Viertels. No. 1,231,103; June 26; v. 239; p. 1039.
- Lacing device. E. Campbell and G. A. Fair. No. 1,220,602; Mar. 27; v. 236; p. 1052.
- Lacing device. R. A. Daggett. No. 1,246,724; Nov. 13; v. 244; p. 502.
- Lacing-hook. F. A. Herrick. No. 1,250,873; Dec. 18; v. 245; p. 784.
- Lacing-hook. J. Wagner. No. 1,240,271; Sept. 18; v. 242; p. 558.
- Lacing-hook-setting machine. A. Raiche. No. 1,217,216; Feb. 27; v. 235; p. 1089.
- Lacing-stud-setting machine. E. E. Wakefield. No. 1,234,982; July 31; v. 240; p. 1260.
- Lacing-tip. D. Hill. No. 1,218,260; Mar. 6; v. 236; p. 132.
- Lacing, Tipped. H. M. Fry. No. 1,233,863; July 17; v. 240; p. 834.
- Lacquered and making the same. S. Satow. No. 1,245,981; Nov. 6; v. 244; p. 250.
- Lacquered product and making same. S. Satow. No. 1,245,982; Nov. 6; v. 244; p. 250.
- Lactic acid, Manufacture of. S. Saxe. No. 1,249,511; Dec. 11; v. 245; p. 344.
- Lactic acid, Production of. E. T. Olson. No. 1,240,766; Sept. 18; v. 242; p. 711.
- Ladder. C. E. Bell. No. 1,240,653; Sept. 18; v. 242; p. 676.
- Ladder. A. J. Canfield. No. 1,250,279; Dec. 18; v. 245; p. 607.
- Ladder. R. G. Cotter. No. 1,217,713; Feb. 27; v. 235; p. 1264.
- Ladder. C. J. Brown. No. 1,246,709; Nov. 13; v. 244; p. 498.
- Ladder. Z. G. Hayden. No. 1,250,311; Dec. 18; v. 245; p. 616.
- Ladder. S. Hornthal. No. 1,220,337; Mar. 27; v. 236; p. 959.
- Ladder and gangway, Ship's. J. W. Moore. No. 1,233,686; July 17; v. 240; p. 777.
- Ladder and ironing-board, Combination step-. J. Arbess and S. Brisker. No. 1,229,698; June 12; v. 239; p. 496.
- Ladder and ironing-board, Combined step-. E. Jurkowski. No. 1,243,304; Oct. 16; v. 243; p. 655.
- Ladder and washbench, Combined step-. V. M. Cano. No. 1,220,950; Mar. 27; v. 236; p. 1168.
- Ladder attachment, Hay-. E. O. Bonner. No. 1,249,890; Dec. 11; v. 245; p. 455.
- Ladder attachment, Step-. W. J. Connell. No. 1,216,214; Feb. 13; v. 235; p. 648.
- Ladder, bench, and ironing-board, Combined step-. J. N. Auer. No. 1,245,082; Oct. 30; v. 243; p. 1265.
- Ladder-bracket. C. E. Albertson. No. 1,211,906; Jan. 9; v. 234; p. 561.
- Ladder-bracket. C. E. Gidlof. No. 1,213,622; Jan. 23; v. 234; p. 1223.
- Ladder-bracket. C. Parker. No. 1,228,960; June 5; v. 239; p. 197.
- Ladder, Car-. W. E. Wine. No. 1,215,455; Feb. 13; v. 235; p. 373.
- Ladder-clamp. P. E. Johnson and E. Anderson. No. 1,241,392; Sept. 25; v. 242; p. 940.
- Ladder, Collapsible. D. P. Chesebro. No. 1,232,221; July 3; v. 240; p. 229.
- Ladder, Collapsible. A. J. Coughtry. No. 1,217,279; Feb. 27; v. 235; p. 1110.
- Ladder, Combination-. W. J. Walters. No. 1,245,073; Oct. 30; v. 243; p. 1263.
- Ladder, Convertible. J. M. Mills, Jr. No. 1,250,615; Dec. 18; v. 245; p. 708.
- Ladder extension. A. E. Drummond. No. 1,251,192; Dec. 25; v. 245; p. 927.
- Ladder, Extension-. W. A. Smith. No. 1,248,189; Nov. 27; v. 244; p. 993.
- Ladder, Extension step-. A. Butcher. No. 1,233,975; July 17; v. 240; p. 870.
- Ladder, Foldable. A. Brown. No. 1,251,334; Dec. 25; v. 245; p. 970.
- Ladder, Folding. W. C. Shinn. No. 1,233,717; July 17; v. 240; p. 786.
- Ladder, Folding step-. W. A. Contant. No. 1,246,395; Nov. 13; v. 244; p. 405.
- Ladder, Freight-car. W. E. Wine. No. 1,231,318; June 26; v. 239; p. 1109.
- Ladder, Fruit-. B. L. Simmons. No. 1,222,150; Apr. 10; v. 237; p. 433.
- Ladder-jack. J. R. Anderson. No. 1,228,868; June 5; v. 239; p. 169.
- Ladder-jack. L. N. Bourdeau. No. 1,226,653; May 22; v. 238; p. 108.
- Ladder-joint. R. R. Foust. No. 1,227,901; May 29; v. 238; p. 1451.
- Ladder, Knockdown step-. C. W. Butcher. No. 1,224,599; May 1; v. 238; p. 173.
- Ladder-lock, Automatic gravity. I. Myers. No. 1,210,827; Jan. 2; v. 234; p. 154.
- Ladder-raiser. O. K. Hughes. No. 1,217,868; Feb. 27; v. 235; p. 1315.
- Ladder-rung. A. Schreiner. No. 1,250,520; Dec. 18; v. 245; p. 679.
- Ladder-rung. D. E. White. No. 1,218,144; Mar. 6; v. 236; p. 89.
- Ladder safety device. R. W. Lofstrom. No. 1,243,844; Oct. 23; v. 243; p. 855.
- Ladder-shelf. A. O'Connor. No. 1,245,958; Nov. 6; v. 244; p. 246.
- Ladder-shelf, Detachable. H. D. and C. H. Goss. No. 1,243,732; Oct. 23; v. 243; p. 818.
- Ladder, Step-. B. B. Keith. No. 1,235,696; Aug. 7; v. 241; p. 53.
- Ladder, Step-. N. M. Marinaro. No. 1,235,711; Aug. 7; v. 241; p. 58.
- Ladder, Step-. O. A. Melang. No. 1,219,754; Mar. 20; v. 236; p. 715.
- Ladder-step bracket. L. N. Bourdeau. No. 1,234,615; July 24; v. 240; p. 1112.
- Ladders, Article-support for. W. O. Berry. No. 1,221,658; Apr. 3; v. 237; p. 227.
- Ladders, Extension-foot for step-. C. A. Bryant. No. 1,229,218; June 12; v. 239; p. 333.
- Ladders, Hinge-joint for folding. H. H. Rudd. No. 1,228,248; May 29; v. 238; p. 1565.
- Ladders, Suspension-hook for extension-. A. Schreiner. No. 1,244,645; Oct. 30; v. 243; p. 1133.
- Ladle. J. H. Griffin. No. 1,228,665; June 5; v. 239; p. 98.
- Ladle, Pouring-. C. H. Cole. No. 1,238,108; Aug. 28; v. 241; p. 931.
- Ladle-stopper-operating mechanism. G. A. Wettengel. No. 1,212,860; Jan. 16; v. 234; p. 924.
- Laminated articles, Making. A. J. Bastian. No. 1,223,348; Apr. 17; v. 237; p. 888.
- Laminated, cohesive, interwound fabric constructed in tubular and annular form. L. A. Subers. No. 1,233,420; July 17; v. 240; p. 689.

Alphabetical list of inventions—Continued.

- Laminated material, Mechanism for dividing. J. P. Wright. No. 1,248,568; Dec. 4; v. 245; p. 48.
- Laminated spring. D. Landaw. No. 1,241,743; Oct. 2; v. 243; p. 88.
- Laminated spring. A. E. McManus. No. 1,221,071; Apr. 3; v. 237; p. 24.
- Lamp. E. C. Corado. No. 1,250,145; Dec. 18; v. 245; p. 566.
- Lamp. F. E. Davis. No. 1,231,716; July 3; v. 240; p. 62.
- Lamp. G. M. Fiero. No. 1,215,264; Feb. 6; v. 235; p. 273.
- Lamp. G. W. Gillette. No. 1,214,452; Jan. 30; v. 234; p. 1535.
- Lamp. L. M. Giroux. No. 1,243,930; Oct. 23; v. 243; p. 880.
- Lamp. E. A. Hawthorne. No. 1,214,916; Feb. 6; v. 235; p. 152.
- Lamp. E. A. Hawthorne. No. 1,242,185; Oct. 9; v. 243; p. 268.
- Lamp. E. A. Hawthorne. No. 1,242,186; Oct. 9; v. 243; p. 269.
- Lamp. E. A. Hawthorne. No. 1,248,654; Dec. 4; v. 245; p. 67.
- Lamp. F. B. Hayden. No. 1,237,035; Aug. 14; v. 241; p. 519.
- Lamp. H. S. Hower. No. 1,217,945; Mar. 6; v. 236; p. 21.
- Lamp. V. S. Johnson. No. 1,211,163; Jan. 2; v. 234; p. 269.
- Lamp. E. A. Kuen. No. 1,224,178; May 1; v. 238; p. 22.
- Lamp. E. A. Kuen. No. 1,224,179; May 1; v. 238; p. 23.
- Lamp. G. K. Malby. No. 1,224,189; May 1; v. 238; p. 27.
- Lamp. G. R. McKay. No. 1,231,925; July 3; v. 240; p. 130.
- Lamp. H. Miller and F. Mueller. No. 1,241,874; Oct. 2; v. 243; p. 130.
- Lamp. W. C. Paul. No. 1,211,750; Jan. 9; v. 234; p. 502.
- Lamp. R. H. Tatlow, Jr. No. 1,227,694; May 29; v. 238; p. 1379.
- Lamp. J. S. Teall. No. 1,235,256; July 31; v. 240; p. 1342.
- Lamp. W. S. Thomas. No. 1,242,076; Oct. 2; v. 243; p. 192.
- Lamp. W. H. Wood. No. 1,235,274; July 31; v. 240; p. 1348.
- Lamp. W. H. Wood. No. 1,235,275; July 31; v. 240; p. 1348.
- Lamp. W. H. Wood. No. 1,235,276; July 31; v. 240; p. 1348.
- Lamp, Acetylene-. A. Bommarito. No. 1,220,940; Mar. 27; v. 236; p. 1164.
- Lamp, Acetylene-. J. D. Cumming. No. 1,225,016; May 8; v. 238; p. 368.
- Lamp, Acetylene-. F. Guy. No. 1,237,637; Aug. 21; v. 241; p. 748.
- Lamp, Acetylene-. A. L. Hansen. No. 1,224,537; May 1; v. 238; p. 151.
- Lamp, Acetylene-. A. L. Hansen. No. 1,230,892; June 26; v. 239; p. 965.
- Lamp, Acetylene-. A. L. Hansen. No. 1,233,663; July 17; v. 240; p. 770.
- Lamp, Acetylene-. J. Messina. No. 1,219,980; Mar. 20; v. 236; p. 794.
- Lamp, Acetylene-. P. Mora. No. 1,226,237; May 15; v. 238; p. 824.
- Lamp, Acetylene-. J. Potts. No. 1,217,060; Feb. 20; v. 235; p. 990.
- Lamp, Acetylene miner's. A. F. Adams. No. 1,238,729; Sept. 4; v. 242; p. 3.
- Lamp, Acetylene miner's. N. Llewellyn. No. 1,238,032; Aug. 21; v. 241; p. 873.
- Lamp adapter, Electric-. N. F. Tillery. No. 1,240,786; Sept. 18; v. 242; p. 717.
- Lamp, Alcohol-. S. Herzog. No. 1,229,078; June 5; v. 239; p. 236.
- Lamp, Alcohol-. W. L. Liggins. No. 1,228,328; May 29; v. 238; p. 1591.
- Lamp and direction-indicator, Dirigible. F. M. Ross and H. L. Cook. No. 1,223,737; Apr. 24; v. 237; p. 1059.
- Lamp and electrode therefor, Flame-arc. G. Egly. No. 1,221,039; Apr. 3; v. 237; p. 13.
- Lamp and reflector, Arc-. M. J. Wohl. No. 1,235,272; July 31; v. 240; p. 1347.
- Lamp and stand, Combined. H. P. Ball. No. 1,237,453; Aug. 21; v. 241; p. 689.
- Lamp, Arc-. J. T. Beechlyn. No. 1,218,509; Mar. 6; v. 236; p. 214.
- Lamp, Arc-. A. Blondel. No. 1,220,063; Mar. 20; v. 236; p. 824.
- Lamp, Arc-. J. L. Dinsmoor. No. 1,238,277; Aug. 28; v. 241; p. 986.
- Lamp, Arc-. C. A. B. Halvorson, Jr. No. 1,237,033; Aug. 14; v. 241; p. 519.
- Lamp, Arc-. C. A. B. Halvorson, Jr., and W. L. Harraden. No. 1,215,147; Feb. 6; v. 235; p. 231.
- Lamp, Arc-. C. E. Harthan. No. 1,229,950; June 12; v. 239; p. 578.
- Lamp, Arc-. G. Humber. No. 1,228,442; June 5; v. 239; p. 23.
- Lamp, Arc-. G. Humber. No. 1,228,443; June 5; v. 239; p. 23.
- Lamp, Arc-. A. Huttar. No. 1,241,515; Oct. 2; v. 243; p. 13.
- Lamp, Arc-. J. Vintila. No. 1,211,016; Jan. 2; v. 234; p. 222.
- Lamp, Arc-. T. H. Williams. No. 1,232,638; July 10; v. 240; p. 396.
- Lamp-attaching member, Incandescent-. A. L. Harris and E. F. Casanova. No. 1,239,005; Sept. 4; v. 242; p. 92.
- Lamp attachment. G. S. Hunt. No. 1,238,675; Aug. 28; v. 241; p. 1114.
- Lamp attachment, Electric-. C. Schickerling. No. 1,250,030; Dec. 11; v. 245; p. 493.
- Lamp attachment for automobiles. H. W. Cowan. No. 1,230,382; June 19; v. 239; p. 757.
- Lamp, Auto-. W. H. Thomas. No. 1,217,664; Feb. 27; v. 235; p. 1249.
- Lamp, Automatic locomotive head-. J. B. Tabler. No. 1,214,387; Jan. 30; v. 234; p. 1516.
- Lamp, Automatically-adjustable vehicle-. E. Weldon. No. 1,248,964; Dec. 4; v. 245; p. 156.
- Lamp, Automobile-. M. E. Perring. No. 1,235,374; July 31; v. 240; p. 1377.
- Lamp, Automobile-. W. F. Persons. No. 1,214,582; Feb. 6; v. 235; p. 35.
- Lamp, Automobile-. W. F. Persons. No. 1,214,583; Feb. 6; v. 235; p. 35.
- Lamp, Automobile-. W. F. Persons. No. 1,221,212; Apr. 3; v. 237; p. 75.
- Lamp, Automobile-. L. L. Pfeifer. No. 1,238,564; Aug. 28; v. 241; p. 1080.
- Lamp, Automobile-. H. H. Slater. No. 1,229,538; June 12; v. 239; p. 442.
- Lamp, Automobile-. C. A. Staves and J. Anderson. No. 1,235,078; July 31; v. 240; p. 1289.
- Lamp, Automobile-. F. E. Wolcott. No. 1,226,294; May 15; v. 238; p. 847.
- Lamp-base and match-safe, Combined. U. L. Courson. No. 1,249,903; Dec. 11; v. 245; p. 459.
- Lamp-base, Universal. L. O. Lieber. No. 1,231,758; July 3; v. 240; p. 74.
- Lamp, Battery-. W. R. Clymer. No. 1,212,907; Jan. 16; v. 234; p. 940.
- Lamp, Battery-. H. E. McClure. No. 1,210,821; Jan. 2; v. 234; p. 152.
- Lamp, Boudoir-. H. Singer. No. 1,211,771; Jan. 9; v. 234; p. 510.
- Lamp-box. A. G. Peters. No. 1,214,363; Jan. 30; v. 234; p. 1507.
- Lamp-bracket. C. E. Anderson. No. 1,216,764; Feb. 20; v. 235; p. 891.
- Lamp-bracket. H. Futterman. No. 1,247,389; Nov. 20; v. 244; p. 731.
- Lamp bracket, Bicycle-. W. Marcowitz. No. 1,240,233; Sept. 18; v. 242; p. 546.
- Lamp-bracket clamp. J. T. Corley. No. 1,243,388; Oct. 16; v. 243; p. 679.
- Lamp bulbs and the like, Packing for incandescent-. F. C. March. No. 1,212,793; Jan. 16; v. 234; p. 902.
- Lamp-burner. F. M. Mendonca. No. 1,235,224; July 31; v. 240; p. 1332.
- Lamp-burner attachment. H. J. Morse. No. 1,225,474; May 8; v. 238; p. 523.
- Lamp, Carbide-. G. Bowie. No. 1,246,534; Nov. 13; v. 244; p. 447.
- Lamp-changing device. A. Zeisel. No. 1,223,921; Apr. 24; v. 237; p. 1123.
- Lamp, Chicken-stove. I. Putnam. No. 1,249,668; Dec. 11; v. 245; p. 388.
- Lamp-chimney and holder. C. W. F. Wendell and T. Mortensen. No. 1,246,688; Nov. 13; v. 244; p. 493.
- Lamp-chimney and holder, Safety. L. A. Salthouse. No. 1,218,703; Mar. 13; v. 236; p. 320.
- Lamp-chimney attachment. B. F. McFranklin. No. 1,214,200; Jan. 30; v. 234; p. 1449.
- Lamp-chimney holder. J. E. Mitchell. No. 1,225,990; May 15; v. 238; p. 739.
- Lamp-chimney-holding attachment. W. H. Sloan. No. 1,216,864; Feb. 20; v. 235; p. 924.
- Lamp, Combined head and signal. E. J. Boos. No. 1,221,965; Apr. 10; v. 237; p. 369.
- Lamp condenser, Arc-. J. L. Dinsmoor. No. 1,234,302; July 24; v. 240; p. 1010.
- Lamp connector, Electric-. E. A. Pohl. No. 1,217,058; Feb. 20; v. 235; p. 990.
- Lamp construction, Dirigible-. S. J. Welch. No. 1,247,189; Nov. 20; v. 244; p. 674.
- Lamp-container. H. E. Whitney. No. 1,226,733; May 22; v. 238; p. 1027.
- Lamp control, Automatic head-. C. E. Bunker. No. 1,230,663; June 19; v. 239; p. 851.
- Lamp control, Automatic head-. H. Cooper. No. 1,221,687; Apr. 3; v. 237; p. 238.
- Lamp control, Automatic head-. I. A. Palmer. No. 1,224,779; May 1; v. 238; p. 235.
- Lamp control for motor-vehicles, Head-. J. A. Jones. No. 1,226,529; May 15; v. 238; p. 920.
- Lamp control, Head-. O. R. Sell. No. 1,247,582; Nov. 20; v. 244; p. 785.
- Lamp control, Head-. R. J. Shawhan. No. 1,247,586; Nov. 20; v. 244; p. 787.
- Lamp-controlled circuit. W. Reid. No. 1,227,070; May 22; v. 238; p. 1143.
- Lamp-controlling means, Head-. A. Whitlow. No. 1,236,242; Aug. 7; v. 241; p. 230.

- Lamp, Cooperage-. A. H. Klotz. No. 1,232,047; July 3; v. 240; p. 173.
- Lamp-cord adjuster, Portable extension. M. H. Harter. No. 1,216,801; Feb. 20; v. 235; p. 905.
- Lamp-cord take-up device. J. A. Knapp. No. 1,230,414; June 19; v. 239; p. 766.
- Lamp, Cowl-. H. A. Douglas. No. 1,217,925; Mar. 6; v. 236; p. 14.
- Lamp, Cowl-. H. A. Douglas. No. 1,236,552; Aug. 14; v. 241; p. 361.
- Lamp, Cycle-. F. Windhausen. No. 1,222,836; Apr. 17; v. 237; p. 715.
- Lamp, Desk or table. G. Lampert. No. 1,239,493; Sept. 11; v. 242; p. 275.
- Lamp-dimmer. H. Alexander. No. 1,228,635; June 5; v. 239; p. 89.
- Lamp dimmer, Automobile-. W. H. J. Downey. No. 1,246,728; Nov. 13; v. 244; p. 504.
- Lamp dimmer, Electric-. I. C. and C. F. Williams. No. 1,216,756; Feb. 20; v. 235; p. 889.
- Lamp-director. L. E. Sills. No. 1,210,990; Jan. 2; v. 234; p. 212.
- Lamp, Dirigible. C. E. Godley. No. 1,248,476; Dec. 4; v. 245; p. 14.
- Lamp, Dirigible. S. J. Welch. No. 1,247,188; Nov. 20; v. 244; p. 674.
- Lamp, Dirigible automobile-. F. E. Harvey. No. 1,239,482; Sept. 11; v. 242; p. 271.
- Lamp, Dirigible head-. J. M. Headen. No. 1,213,635; Jan. 23; v. 234; p. 1227.
- Lamp, Draftsman's. R. L. Rizer. No. 1,247,454; Nov. 20; v. 244; p. 750.
- Lamp, Electric. A. D. Cox. No. 1,215,118; Feb. 6; v. 235; p. 222.
- Lamp, Electric. J. Mersing. No. 1,249,652; Dec. 11; v. 245; p. 383.
- Lamp, Electric. M. S. Okun. No. 1,214,816; Feb. 6; v. 235; p. 115.
- Lamp, Electric. G. E. Werner. No. 1,249,574; Dec. 11; v. 245; p. 361.
- Lamp, Electric. A. J. West. No. 1,232,741; July 10; v. 240; p. 433.
- Lamp, Electric battery-. J. Stern. No. 1,247,346; Nov. 20; v. 244; p. 718.
- Lamp, Electric bicycle-. L. Z. Morse. No. 1,220,359; Mar. 27; v. 236; p. 967.
- Lamp, Electric incandescent. J. H. Dale. No. 1,231,335; June 26; v. 239; p. 1115.
- Lamp, Electric incandescent. H. Kiehl. No. 1,217,775; Feb. 27; v. 235; p. 1285.
- Lamp-extinguisher. J. Murcek. No. 1,240,475; Sept. 18; v. 242; p. 622.
- Lamp-extinguisher. A. Pludowski. No. 1,211,226; Jan. 2; v. 234; p. 292.
- Lamp-extinguisher. S. Replansky. No. 1,211,354; Jan. 2; v. 234; p. 334.
- Lamp-ixture. A. D. Curtis. No. 1,214,514; Feb. 6; v. 235; p. 11.
- Lamp-flame-regulating burner. C. R. Wolcott. No. 1,214,737; Feb. 6; v. 235; p. 89.
- Lamp, Flash-. H. L. Evereff. No. 1,211,121; Jan. 2; v. 234; p. 255.
- Lamp, Flash-light. F. David. No. 1,213,754; Jan. 23; v. 234; p. 1265.
- Lamp-focusing device. W. M. Matteoli. No. 1,244,880; Oct. 30; v. 243; p. 1205.
- Lamp for automobiles, Dirigible. W. H. Bright. No. 1,238,984; Sept. 4; v. 242; p. 85.
- Lamp for automobiles, Head-. G. E. Schweizer. No. 1,235,065; July 31; v. 240; p. 1285.
- Lamp for burning solid fuel, Portable. H. B. Ball. No. 1,226,625; May 22; v. 238; p. 991.
- Lamp for harness, Portable. C. F. Brown. No. 1,232,201; July 3; v. 240; p. 223.
- Lamp for mineral oils. C. Sepulchre. No. 1,212,571; Jan. 16; v. 234; p. 823.
- Lamp for motor-vehicles. R. E. Booraem. No. 1,224,064; Apr. 24; v. 237; p. 1171.
- Lamp for motor-vehicles and like services. H. J. Dew. No. 1,217,718; Feb. 27; v. 235; p. 1265.
- Lamp for motor-vehicles and like services. H. J. Dew. No. 1,221,036; Apr. 3; v. 237; p. 12.
- Lamp for motor-vehicles and like services. H. J. Dew. No. 1,221,037; Apr. 3; v. 237; p. 12.
- Lamp for motor-vehicles, Tail-. E. W. McKinley and E. J. Grigsby. No. 1,238,419; Aug. 28; v. 241; p. 1033.
- Lamp for road-vehicles. E. L. Green. No. 1,241,368; Sept. 25; v. 242; p. 933.
- Lamp for vehicles, Signal-. A. J. Bentz. No. 1,240,115; Sept. 11; v. 242; p. 470.
- Lamp for vehicles, Signal-. C. P. Hepler. No. 1,249,956; Dec. 11; v. 245; p. 474.
- Lamp, Gas-. W. J. H. Fuller. No. 1,212,621; Jan. 16; v. 234; p. 840.
- Lamp, Gas-. A. H. Humphrey. No. 1,222,627; Apr. 17; v. 237; p. 643.
- Lamp, Gas-. F. J. and H. R. Humphrey. No. 1,244,051; Oct. 23; v. 243; p. 917.
- Lamp, Gas-burning. A. T. Stewart. No. 1,243,890; Oct. 23; v. 243; p. 869.
- Lamp, Gasolene-. J. Owens. No. 1,234,796; July 31; v. 240; p. 1200.
- Lamp, Gasolene-. J. Owens. No. 1,238,562; Aug. 28; v. 241; p. 1080.
- Lamp, Generator-. H. R. Van Deventer. No. 1,244,262; Oct. 23; v. 243; p. 980.
- Lamp-globe holder, Incandescent-gas-. R. E. Ewing. No. 1,239,372; Sept. 4; v. 242; p. 208.
- Lamp-grip. G. B. Thomas. No. 1,216,884; Feb. 20; v. 235; p. 932.
- Lamp guard and shade. F. W. Pennock. No. 1,244,640; Oct. 30; v. 243; p. 1132.
- Lamp-guard clamp. J. F. Shields. No. 1,238,582; Aug. 28; v. 241; p. 1086.
- Lamp guard, Electric-. C. Vondrashek. No. 1,241,172; Sept. 25; v. 242; p. 870.
- Lamp, Hand-. C. Hambuechen. No. 1,223,869; Apr. 24; v. 237; p. 1106.
- Lamp-hanger. A. J. Thompson. No. 1,223,532; Apr. 24; v. 237; p. 988.
- Lamp-hanger. A. J. Thompson. No. 1,237,411; Aug. 21; v. 241; p. 676.
- Lamp, Head-. B. Lewandowski. No. 1,235,340; July 31; v. 240; p. 1368.
- Lamp, Headlight-. C. G. Mollan. No. 1,212,145; Jan. 9; v. 234; p. 641.
- Lamp-heater. E. J. Markham. No. 1,231,404; June 26; v. 239; p. 1139.
- Lamp-holder. F. G. Diltney. No. 1,218,531; Mar. 6; v. 236; p. 221.
- Lamp-holder. W. G. Schneider. No. 1,212,406; Jan. 16; v. 234; p. 764.
- Lamp-holder, Adjustable. C. E. Rice. No. 1,241,150; Sept. 25; v. 242; p. 864.
- Lamp-holder and candlestick, Combined. W. Huuskanen. No. 1,248,496; Dec. 4; v. 245; p. 20.
- Lamp holder, Electric-. V. Martinez. No. 1,226,558; May 15; v. 238; p. 930.
- Lamp holder, Incandescent-electric. G. E. Farrar. No. 1,237,187; Aug. 14; v. 241; p. 564.
- Lamp holder, Portable electric-. C. Carson. No. 1,224,864; May 1; v. 238; p. 264.
- Lamp holders, Attachment-plug for connecting dry cells to incandescent. C. E. Youmans. No. 1,248,978; Dec. 4; v. 245; p. 160.
- Lamp-holding device, Thief-proof. R. B. Benjamin. No. 1,238,482; Aug. 28; v. 241; p. 1054.
- Lamp-hook for cars. G. A. Seward. No. 1,219,354; Mar. 13; v. 236; p. 546.
- Lamp, Hydrocarbon-. T. J. Crook. No. 1,228,379; May 29; v. 238; p. 1608.
- Lamp-igniting device. J. W. Hill. No. 1,237,337; Aug. 21; v. 241; p. 652.
- Lamp, Incandescent. F. M. Dorsey and H. D. Blake. No. 1,250,815; Dec. 18; v. 245; p. 767.
- Lamp, Incandescent. I. Langmuir. No. 1,246,118; Nov. 13; v. 244; p. 321.
- Lamp, Incandescent. G. M. J. Mackay. No. 1,239,413; Sept. 4; v. 242; p. 221.
- Lamp, Incandescent. G. M. J. MacKay. No. 1,249,978; Dec. 11; v. 245; p. 479.
- Lamp, Incandescent. H. A. Styring. No. 1,231,667; July 3; v. 240; p. 44.
- Lamp, Incandescent electric. C. A. Harrison. No. 1,247,956; Nov. 27; v. 244; p. 928.
- Lamp, Incandescent electric. G. M. J. Mackay. No. 1,234,060; July 17; v. 240; p. 895.
- Lamp, Incandescent electric. S. Yuyama. No. 1,215,894; Feb. 13; v. 235; p. 532.
- Lamp, Incandescent tungsten. E. Friederich. No. 1,240,700; Sept. 18; v. 242; p. 690.
- Lamp-lens-retaining ring. L. L. Pfeifer. No. 1,234,382; July 24; v. 240; p. 1037.
- Lamp, License-. H. H. Schieb. No. 1,214,224; Jan. 30; v. 234; p. 1456.
- Lamp-lock. J. Sachs. No. 1,217,829; Feb. 27; v. 235; v. 1304.
- Lamp lock, Electrical-. W. C. Kerch. No. 1,238,684; Aug. 28; v. 241; p. 1116.
- Lamp locking-base. W. A. Chew. No. 1,229,231; June 12; v. 239; p. 338.
- Lamp, Magazine arc-. J. Brockie. No. 1,229,876; June 12; v. 239; p. 555.
- Lamp, Magnet-. P. E. Gilling. No. 1,249,063; Dec. 4; v. 245; p. 184.
- Lamp mechanism, Dirigible. L. Inghram. No. 1,229,752; June 12; v. 239; p. 513.
- Lamp mechanism, Dirigible-. C. R. McClellan. No. 1,228,457; June 5; v. 239; p. 28.
- Lamp, Metallic-filament incandescent electric. E. Gelsel. No. 1,223,958; Apr. 24; v. 237; p. 1136.
- Lamp, Metallic vapor-. W. Nernst. No. 1,244,121; Oct. 23; v. 243; p. 937.
- Lamp, Miner's. F. E. Baldwin. No. 1,237,449; Aug. 21; v. 241; p. 688.
- Lamp, Miner's. J. T. Jones. No. 1,218,185; Mar. 6; v. 236; p. 103.
- Lamp, Miner's carbide-. R. Lazare. No. 1,232,572; July 10; v. 240; p. 377.
- Lamp, Miner's gas-. F. E. Baldwin. No. 1,237,450; Aug. 21; v. 241; p. 689.
- Lamp, Miner's safety electric. R. Koch. No. 1,218,570; Mar. 6; v. 236; p. 235.
- Lamp, Motor arc-. C. Krämer. No. 1,233,883; July 17; v. 240; p. 839.

Alphabetical list of inventions—Continued.

- Lamp-mounting. C. E. Godley. No. 1,223,962; Apr. 24; v. 237; p. 1137.
- Lamp-mounting. C. E. Godley. No. 1,227,258; May 22; v. 238; p. 1207.
- Lamp-mounting. C. E. Godley. No. 1,248,103; Nov. 27; v. 244; p. 968.
- Lamp mounting, Automobile-headlight-. D. C. Kitching. No. 1,224,470; May 1; v. 238; p. 128.
- Lamp, Multiple-arc. M. J. Wohl. No. 1,235,271; July 31; v. 240; p. 1347.
- Lamp, Oil-. C. E. Palmer. No. 1,218,889; Mar. 13; v. 236; p. 389.
- Lamp, Phonograph-. P. Gillen. No. 1,226,607; May 15; v. 238; p. 945.
- Lamp plug, Incandescent-electric-. G. J. Stichtenoth. No. 1,229,185; June 5; v. 239; p. 272.
- Lamp, Portable electric. J. J. Browning, H. Henderson, and A. E. Case. No. 1,250,960; Dec. 25; v. 245; p. 860.
- Lamp, Portable electric. W. P. Dunham. No. 1,216,422; Feb. 20; v. 235; p. 774.
- Lamp, Portable electric. L. F. and R. F. James. No. 1,223,883; Apr. 24; v. 237; p. 1111.
- Lamp, Portable electric. E. Ludescher. No. 1,248,688; Dec. 4; v. 245; p. 77.
- Lamp, Portable electric. H. M. Peters. No. 1,225,051; May 8; v. 238; p. 379.
- Lamp, Portable electric. A. C. Recker. No. 1,225,491; May 8; v. 238; p. 529.
- Lamp, Portable incandescent. M. Claussen and W. A. McKay. No. 1,222,573; Apr. 10; v. 237; p. 584.
- Lamp-post for street-lamps, Decorative. E. H. Gohl. No. 1,223,487; Apr. 24; v. 237; p. 971.
- Lamp, Post-type arc-. C. Aalborg and S. C. Hoey. No. 1,231,549; July 3; v. 240; p. 3.
- Lamp, Projecting-. H. W. Geromanos. No. 1,226,325; May 15; v. 238; p. 857.
- Lamp, Projection-. K. Kleinert. No. 1,232,046; July 3; v. 240; p. 173.
- Lamp, Projection-. J. M. Naul. No. 1,210,676; Jan. 2; v. 234; p. 104.
- Lamp, Projector arc-. B. Perris. No. 1,241,270; Sept. 25; v. 242; p. 904.
- Lamp-protector. R. L. Beach. No. 1,250,770; Dec. 18; v. 245; p. 753.
- Lamp-protector. J. G. Wissinger. No. 1,243,236; Oct. 16; v. 243; p. 634.
- Lamp receptacle, Electric-. M. H. Freixas. No. 1,229,056; June 5; v. 239; p. 228.
- Lamp receptacle, Electric-. A. V. Olson. No. 1,250,342; Dec. 18; v. 245; p. 626.
- Lamp, Reflector-. E. B. Corcoran. No. 1,228,749; June 5; v. 239; p. 128.
- Lamp, Safety-. E. A. Hallwood. No. 1,212,631; Jan. 16; v. 234; p. 844.
- Lamp, Safety-. E. C. Kincade. No. 1,228,566; June 5; v. 239; p. 66.
- Lamp-shade. F. C. Smith. No. 1,211,772; Jan. 9; v. 234; p. 511.
- Lamp-shade. A. J. Tizley. No. 1,246,497; Nov. 13; v. 244; p. 436.
- Lamp-shade. O. W. Tucker. No. 1,214,847; Feb. 6; v. 235; p. 125.
- Lamp-shade bracket. H. L. Stubbs. No. 1,242,494; Oct. 9; v. 243; p. 365.
- Lamp shade, Electric incandescent-. F. R. Pope. No. 1,229,784; June 12; v. 239; p. 523.
- Lamp-shade for incandescent lights. J. A. Whaley. No. 1,234,590; July 24; v. 240; p. 1104.
- Lamp-shade frame. V. S. Pearlman. No. 1,244,639; Oct. 30; v. 243; p. 1132.
- Lamp-shade holder. W. Knapp. No. 1,251,051; Dec. 25; v. 245; p. 886.
- Lamp-shade holder. M. Kossmann. No. 1,216,818; Feb. 20; v. 235; p. 910.
- Lamp-shade holder. A. Walsh and W. Hancock. No. 1,249,567; Dec. 11; v. 245; p. 359.
- Lamp-shade holder, Electric-. M. W. Askin. No. 1,235,635; Aug. 7; v. 241; p. 34.
- Lamp-shade holder, Electric-. G. M. Condit. No. 1,238,640; Aug. 28; v. 241; p. 1104.
- Lamp shade-holder, Inverted-. T. D. Finizio. No. 1,249,364; Dec. 11; v. 245; p. 302.
- Lamp shade or globe holder. A. Little. No. 1,211,724; Jan. 9; v. 234; p. 493.
- Lamp-shade, Ornamental. A. J. Hall. No. 1,214,156; Jan. 30; v. 234; p. 1433.
- Lamp, Signal-. G. P. Bourdelat. No. 1,246,706; Nov. 13; v. 244; p. 497.
- Lamp, Signal-. H. S. Kittredge. No. 1,240,458; Sept. 18; v. 242; p. 617.
- Lamp, Signal-. G. E. and E. B. Roedding. No. 1,248,719; Dec. 4; v. 245; p. 87.
- Lamp, Signal-. F. W. Wakefield. No. 1,231,677; July 3; v. 240; p. 48.
- Lamp-socket. F. P. Gates. No. 1,245,699; Nov. 6; v. 244; p. 169.
- Lamp-socket. C. J. Klein. No. 1,248,135; Nov. 27; v. 244; p. 977.
- Lamp-socket. A. C. McWilliams. No. 1,222,225; Apr. 10; v. 237; p. 460.
- Lamp-socket. G. B. Thomas. No. 1,239,317; Sept. 4; v. 242; p. 191.
- Lamp-socket. G. W. Wacker. No. 1,238,849; Sept. 4; v. 242; p. 41.
- Lamp-socket and the like. C. J. Klein. No. 1,228,026; May 29; v. 238; p. 1493.
- Lamp-socket casing. R. B. Benjamin. No. 1,247,492; Nov. 20; v. 244; p. 760.
- Lamp-socket casing or the like. C. J. Klein. No. 1,235,531; July 31; v. 240; p. 1426.
- Lamp socket, Electric-. J. Cuthbert. No. 1,214,900; Feb. 6; v. 235; p. 146.
- Lamp socket, Electric-. L. P. Dixon. No. 1,214,439; Jan. 30; v. 234; p. 1531.
- Lamp socket, Electric-. G. W. Goodridge. No. 1,215,141; Feb. 6; v. 235; p. 229.
- Lamp socket, Electric-. W. Herskovitz. No. 1,213,364; Jan. 23; v. 234; p. 1134.
- Lamp socket, Electric-. A. H. Nero. No. 1,245,949; Nov. 6; v. 244; p. 243.
- Lamp socket, Electric-. G. B. Thomas. No. 1,231,456; June 26; v. 239; p. 1156.
- Lamp socket, Electric-. D. A. Walling. No. 1,231,819; July 3; v. 240; p. 96.
- Lamp socket, Incandescent-. W. J. Jones. (Reissue.) No. 14,341; Aug. 7; v. 241; p. 274.
- Lamp socket, Incandescent-. M. V. Smith. No. 1,219,497; Mar. 20; v. 236; p. 625.
- Lamp socket, Incandescent-. M. V. Smith. No. 1,247,026; Nov. 20; v. 244; p. 627.
- Lamp socket, Incandescent-electric-. C. H. Bissell. No. 1,250,129; Dec. 18; v. 245; p. 561.
- Lamp-socket keys, Attachment for electric-. A. H. Simmons. No. 1,225,279; May 8; v. 238; p. 455.
- Lamp-socket lock. H. R. Land. No. 1,226,338; May 15; v. 238; p. 862.
- Lamp-socket, Plural. A. C. Recker. No. 1,227,553; May 22; v. 238; p. 1302.
- Lamp-socket shell, Electric-. W. Ile. No. 1,241,851; Oct. 2; v. 243; p. 123.
- Lamp socket, Switch-containing electric-. E. G. K. Anderson. No. 1,238,477; Aug. 28; v. 241; p. 1052.
- Lamp-socket, Water-tight. S. B. Smith. No. 1,224,030; Apr. 24; v. 237; p. 1160.
- Lamp-sockets and the like, Casing for. C. J. Klein. No. 1,228,028; May 29; v. 238; p. 1494.
- Lamp sockets, Case for incandescent-electric-. J. Weber. No. 1,234,985; July 31; v. 240; p. 1261.
- Lamp-sockets, Circuit-completing plug for. J. L. Campbell. No. 1,230,826; June 19; v. 239; p. 904.
- Lamp-sockets, &c., Electric switch for. S. Morris and M. Guett. No. 1,222,886; Apr. 17; v. 237; p. 733.
- Lamp sockets, Manufacturing supports for electric-. E. L. White. No. 1,237,847; Aug. 21; v. 241; p. 814.
- Lamp-sockets or the like, Casing for. C. J. Klein. No. 1,228,027; May 29; v. 238; p. 1493.
- Lamp sockets, Support for incandescent-electric-. F. Buchanan. No. 1,220,395; Mar. 27; v. 236; p. 980.
- Lamp, Standard electric. G. T. Irwin. No. 1,243,675; Oct. 16; v. 243; p. 766.
- Lamp structure. E. S. Hutton. No. 1,242,808; Oct. 9; v. 243; p. 466.
- Lamp structures and the like, Lock for incandescent-. J. Sachs. No. 1,217,830; Feb. 27; v. 235; p. 1304.
- Lamp-support. M. W. Brigham. No. 1,230,992; June 26; v. 239; p. 1000.
- Lamp-support. R. D. Parker. No. 1,246,647; Nov. 13; v. 244; p. 481.
- Lamp-support. E. M. Rosenbluth. No. 1,224,097; Apr. 24; v. 237; p. 1182.
- Lamp-support. A. C. Swain. No. 1,223,637; Apr. 24; v. 237; p. 1024.
- Lamp support, Electric-. H. J. Bosworth. No. 1,246,533; Nov. 13; v. 244; p. 447.
- Lamp support, Electric-. J. W. Walter. No. 1,234,833; July 31; v. 240; p. 1211.
- Lamp-support for automobiles. O. E. Fells and E. M. Nott. No. 1,233,655; July 17; v. 240; p. 767.
- Lamp-supporting bracket. L. Schepmoes. No. 1,231,947; July 3; v. 240; p. 138.
- Lamp-supporting bracket. W. L. Smith. No. 1,241,295; Sept. 25; v. 242; p. 913.
- Lamp, Switchboard-. H. D. Currier. No. 1,244,475; Oct. 30; v. 243; p. 1081.
- Lamp-tilting device. A. W. Arras. No. 1,246,034; Nov. 13; v. 244; p. 297.
- Lamp-turner, Automatic. A. J. F. Snowden. No. 1,248,191; Nov. 27; v. 244; p. 993.
- Lamp-turning device. W. A. Brainard and H. M. Mortensen. No. 1,227,993; May 29; v. 238; p. 1483.
- Lamp, Vapor-. F. E. Davis. No. 1,231,715; July 3; v. 240; p. 62.
- Lamp, Vapor-. I. Ulfers and F. C. Asimos. No. 1,231,673; July 3; v. 240; p. 46.
- Lamp, Vehicle-. J. M. Chatterson. No. 1,239,461; Sept. 11; v. 242; p. 265.
- Lamp, Vehicle-. E. J. Edwards. No. 1,214,524; Feb. 6; v. 235; p. 15.
- Lamp, Vehicle-. W. Gray. No. 1,235,564; Aug. 7; v. 241; p. 11.
- Lamp, Vehicle-. E. A. Hawthorne. No. 1,218,766; Mar. 13; v. 236; p. 343.
- Lamp, Vehicle-. E. A. Hawthorne. No. 1,220,334; Mar. 27; v. 236; p. 958.
- Lamp, Vehicle-. E. A. Hawthorne. No. 1,224,463; May 1; v. 238; p. 126.

- Lamp, Vehicle-. C. McKeever. No. 1,222,312; Apr. 10; v. 237; p. 490.
- Lamp, Vehicle-. C. McKeever. No. 1,233,082; July 10; v. 240; p. 543.
- Lamp, Vehicle-. G. Williams. No. 1,234,518; July 24; v. 240; p. 1081.
- Lamp, Vehicle dash-. E. M. Rosenbluth. No. 1,230,604; June 19; v. 239; p. 832.
- Lamp with gas filling and a holder for the incandescent wide, Electric incandescent. E. Podszus. No. 1,234,691; July 24; v. 240; p. 1134.
- Lamp with pivoted reflector. C. E. Godley. No. 1,236,423; Aug. 14; v. 241; p. 318.
- Lamp with swinging reflector. C. E. Godley. No. 1,245,331; Nov. 6; v. 244; p. 56.
- Lamps, Adjusting incandescent. C. O. Harrington. No. 1,241,512; Oct. 2; v. 243; p. 12.
- Lamps and lanterns, Wick-raising device for. E. C. Everett. No. 1,247,518; Nov. 20; v. 244; p. 768.
- Lamps and other articles, Stand for. F. J. Timberlake. No. 1,229,349; June 12; v. 239; p. 378.
- Lamps and the like, Protector for incandescent. E. G. B. Fox. No. 1,225,425; May 8; v. 238; p. 507.
- Lamps, Burner-head and shade-holder for. A. G. Kaufman. No. 1,230,719; June 19; v. 239; p. 869.
- Lamps, Cleaning and renewing electric. F. G. Keyes. No. 1,237,653; Aug. 21; v. 241; p. 754.
- Lamps, Cluster-top for electric. E. J. Y. Hammett. No. 1,231,882; July 3; v. 240; p. 117.
- Lamps, Control-switch for electric. E. Keen. No. 1,239,275; Sept. 4; v. 242; p. 179.
- Lamps, Dimmer attachment for automobile-. A. H. Woolcott. No. 1,220,711; Mar. 27; v. 236; p. 1088.
- Lamps, Dimming-switch for projection-. K. Kleinert. No. 1,238,155; Aug. 28; v. 241; p. 946.
- Lamps, Electric connection for automobile-. J. G. Kearby and Z. Robinson. No. 1,239,697; Sept. 11; v. 242; p. 341.
- Lamps, Fluid-heater for. M. Truhan. No. 1,240,389; Sept. 18; v. 242; p. 595.
- Lamps for heating incubators, Thermostatically-operated burner for. G. W. Allen. No. 1,239,859; Sept. 11; v. 242; p. 393.
- Lamps, Globe for electric-arc. T. Stave. No. 1,234,951; July 31; v. 240; p. 1251.
- Lamps, Heater for oil-. C. S. Ferguson. No. 1,224,623; May 1; v. 238; p. 181.
- Lamps, Making incandescent. W. D. Coolidge. No. 1,230,869; June 26; v. 239; p. 958.
- Lamps, Manufacture of incandescent. H. H. Needham. No. 1,231,416; June 26; v. 239; p. 1143.
- Lamps, Mounting-shell for incandescent electric. E. W. Henger. No. 1,239,182; Sept. 4; v. 242; p. 147.
- Lamps or headlights, Holder for. J. A. Peterson. No. 1,222,458; Apr. 10; v. 237; p. 542.
- Lamps or the like, Connector-socket for electric. R. H. Welles. No. 1,221,255; Apr. 3; v. 237; p. 90.
- Lamps, Producing filament-supports for incandescent. O. Schlüter. No. 1,238,575; Aug. 28; v. 241; p. 1084.
- Lamps, Reflector for gas-. A. B. Mitchell. No. 1,251,084; Dec. 25; v. 245; p. 896.
- Lamps, Shutter means for. L. J. Jones and G. R. Monro. No. 1,215,029; Feb. 6; v. 235; p. 193.
- Lamps, Socket-piece for electric. J. C. Stearns. No. 1,218,485; Mar. 6; v. 236; p. 205.
- Lamps, Steering mechanism for automobile-. G. M. Fiero. No. 1,226,492; May 15; v. 238; p. 910.
- Lamps, Switch connection for electric. C. L. De Martin. No. 1,226,193; May 15; v. 238; p. 809.
- Lamps, Terminal connection for electric. R. B. Brownlee. No. 1,237,611; Aug. 21; v. 241; p. 739.
- Lampblack and hydrochloric acid, Making. C. C. Averill. No. 1,238,734; Sept. 4; v. 242; p. 5.
- Lamp lighter, Automatic. R. L. King. No. 1,225,647; May 8; v. 238; p. 580.
- Land-anchor. L. S. Flatau. No. 1,232,266; July 3; v. 240; p. 245.
- Land-leveler. J. M. Standley. No. 1,239,058; Sept. 4; v. 242; p. 108.
- Land-marker. O. F. Smith. No. 1,212,412; Jan. 16; v. 234; p. 766.
- Land, Method and apparatus for reclaiming dredged. E. Oliver. No. 1,228,959; June 5; v. 239; p. 197.
- Land preparation for agriculture, System of. J. N. Wingett. No. 1,251,315; Dec. 25; v. 245; p. 964.
- Land-roller. R. E. Dunham. No. 1,237,182; Aug. 14; v. 241; p. 562.
- Land-roller. S. C. Holtz. No. 1,214,463; Jan. 30; v. 234; p. 1538.
- Land-roller. G. E. Karl. No. 1,250,571; Dec. 18; v. 245; p. 701.
- Land-roller. F. H. Stoner. No. 1,237,406; Aug. 21; v. 241; p. 675.
- Land-roller. F. H. Stoner. No. 1,248,945; Dec. 4; v. 245; p. 151.
- Landing device. L. E. Waterman. No. 1,225,897; May 15; v. 238; p. 707.
- Landing-steps. E. R. Lord. No. 1,215,827; Feb. 13; v. 235; p. 508.
- Landaulet. J. T. Allmand. No. 1,233,159; July 10; v. 240; p. 568.
- Lantern. A. L. Mayo. No. 1,236,334; Aug. 7; v. 241; p. 257.
- Lantern. H. A. Woods. No. 1,232,642; July 10; v. 240; p. 398.
- Lantern, Acetylene-gas. A. L. Hansen. No. 1,228,772; June 5; v. 239; p. 136.
- Lantern attachment. V. Doughman and L. D. Greenland. No. 1,250,102; Dec. 11; v. 245; p. 514.
- Lantern-bracket and flag holder. S. L. Joiner. No. 1,246,749; Nov. 13; v. 244; p. 510.
- Lantern, Dark-room. R. John. No. 1,212,228; Jan. 16; v. 234; p. 699.
- Lantern for projection apparatus. A. W. Jacobs. No. 1,247,841; Nov. 27; v. 244; p. 896.
- Lantern-gear, Self-lubricating. V. A. Boker. No. 1,246,045; Nov. 13; v. 244; p. 300.
- Lantern-globe-support plate. A. G. Kaufman. No. 1,220,234; Mar. 27; v. 236; p. 921.
- Lantern, Hand signal-. K. G. F. Wikström. No. 1,233,631; July 17; v. 240; p. 760.
- Lantern-lens. L. J. Houze. No. 1,211,447; Jan. 9; v. 234; p. 401.
- Lantern or marker, Train. J. F. Haddock. No. 1,228,911; June 5; v. 239; p. 182.
- Lantern raising and lowering mechanism. A. V. Johns. No. 1,211,856; Jan. 9; v. 234; p. 543.
- Lantern-slide. T. N. Rundle. No. 1,229,527; June 12; v. 239; p. 439.
- Lantern-slide carrier. F. Schwanhausser. No. 1,233,407; July 17; v. 240; p. 685.
- Lantern-slide-exhibition apparatus. E. L. Gilmore. No. 1,245,454; Nov. 6; v. 244; p. 94.
- Lantern-slide mat. F. A. Apfelbaum. No. 1,250,074; Dec. 11; v. 245; p. 506.
- Lantern-slide projector, Automatic. G. B. Alguire. No. 1,247,608; Nov. 27; v. 244; p. 825.
- Lantern, Street-. A. J. Sweet. No. 1,233,617; July 17; v. 240; p. 756.
- Lantern, Tubular. W. McArthur, Jr. No. 1,218,428; Mar. 6; v. 236; p. 188.
- Lantern, Weatherproof. C. E. Davis. No. 1,251,346; Dec. 25; v. 245; p. 973.
- Lanterns, Wick-raising mechanism for. R. J. Kelly. No. 1,241,125; Sept. 25; v. 242; p. 855.
- Lap-robe lock. D. Prowant. No. 1,243,218; Oct. 16; v. 243; p. 629.
- Lap-seam can. F. Eberhart. No. 1,227,596; May 29; v. 238; p. 1345.
- Lard and flour mixer. C. H. Post. No. 1,218,116; Mar. 6; v. 236; p. 80.
- Lard substitute. E. B. Graham and R. E. Kirkham. No. 1,218,758; Mar. 13; v. 236; p. 340.
- Last. M. Brock. No. 1,240,174; Sept. 18; v. 242; p. 526.
- Last. C. H. Brown. No. 1,237,464; Aug. 21; v. 241; p. 692.
- Last. G. Clausung. No. 1,242,145; Oct. 9; v. 243; p. 256.
- Last. G. Clausung. No. 1,242,146; Oct. 9; v. 243; p. 256.
- Last. G. Clausung. No. 1,242,147; Oct. 9; v. 243; p. 256.
- Last. C. C. Hardwick and A. H. Allen. No. 1,230,893; June 26; v. 239; p. 966.
- Last. F. A. Hatch. No. 1,230,706; June 19; v. 239; p. 865.
- Last. P. H. Hickman. No. 1,237,645; Aug. 21; v. 241; p. 751.
- Last. A. M. Leighton. No. 1,222,553; Apr. 10; v. 237; p. 576.
- Last attachment, Shoe-. H. F. Loewer. No. 1,245,248; Nov. 6; v. 244; p. 32.
- Last, Expandable shoe-. C. Schevitz. No. 1,223,206; Apr. 17; v. 237; p. 842.
- Last, Heel-expansion shoe-. E. N. Andrews. No. 1,237,991; Aug. 21; v. 241; p. 860.
- Last, Hinged. C. C. Dodge. No. 1,224,451; May 1; v. 238; p. 122.
- Last, Interchangeable. P. H. Hickman. No. 1,212,768; Jan. 16; v. 234; p. 894.
- Last, Master-. M. W. Greer. No. 1,226,071; May 15; v. 238; p. 768.
- Last, Reinforced. T. P. Larkin. No. 1,247,550; Nov. 20; v. 244; p. 776.
- Last, Shoe-. A. R. Anderson. No. 1,236,035; Aug. 7; v. 241; p. 166.
- Last, Shoe-. P. Coté. No. 1,244,472; Oct. 30; v. 243; p. 1080.
- Last, Shoe-. J. E. Hooper. No. 1,233,669; July 17; v. 240; p. 771.
- Last, Shoe-. L. D. York. No. 1,216,908; Feb. 20; v. 235; p. 939.
- Lasts, Heel-support for. H. A. Davenport. No. 1,238,894; Sept. 4; v. 242; p. 56.
- Lasting. A. L. Russell. No. 1,217,070; Feb. 20; v. 235; p. 993.
- Lasting and sewing machine. W. A. Bond. No. 1,220,817; Mar. 27; v. 236; p. 1125.
- Lasting boots and shoes. M. Sørensen. No. 1,224,229; May 1; v. 238; p. 40.
- Lasting-machine. A. Bates and A. Caselton. No. 1,245,659; Nov. 6; v. 244; p. 158.
- Lasting-machine. P. A. Bowen. No. 1,223,363; Apr. 24; v. 237; p. 926.
- Lasting-machine. W. J. Kelly. No. 1,214,317; Jan. 30; v. 234; p. 1492.

- Lasting-machine. F. W. Merrick. No. 1,245,117; Oct. 30; v. 243; p. 1276.
 Lasting-machine. A. Perri. No. 1,222,125; Apr. 10; v. 237; p. 423.
 Lasting-machine. A. Perri. No. 1,222,126; Apr. 10; v. 237; p. 423.
 Lasting-machine. A. Perri. No. 1,222,127; Apr. 10; v. 237; p. 424.
 Lasting machine, Electrically-heated bed-. E. N. Lightfoot. No. 1,245,746; Nov. 6; v. 244; p. 182.
 Lasting-machine hold-down. A. A. Macleod. No. 1,237,356; Aug. 21; v. 241; p. 658.
 Lasting-machines. Hold-down for. L. H. Larsen. No. 1,218,783; Mar. 13; v. 236; p. 349.
 Latch. H. L. Aagaard. No. 1,229,564; June 12; v. 239; p. 451.
 Latch. J. W. Bell. No. 1,245,554; Nov. 6; v. 244; p. 125.
 Latch. A. C. O. Bock. No. 1,220,939; Mar. 27; v. 236; p. 1164.
 Latch. E. E. Boyum. No. 1,227,034; May 22; v. 238; p. 1131.
 Latch. A. H. Crampton. No. 1,211,549; Jan. 9; v. 234; p. 436.
 Latch. A. D. Gruber. No. 1,215,649; Feb. 13; v. 235; p. 446.
 Latch. L. W. Holland. No. 1,221,180; Apr. 3; v. 237; p. 63.
 Latch. J. M. Hyde. No. 1,219,318; Mar. 13; v. 236; p. 533.
 Latch. C. A. Jensen. No. 1,237,522; Aug. 21; v. 241; p. 712.
 Latch. R. E. Jones. No. 1,240,578; Sept. 18; v. 242; p. 652.
 Latch. H. Meyers. No. 1,230,006; June 12; v. 239; p. 595.
 Latch. W. M. Parson. No. 1,215,696; Feb. 13; v. 235; p. 463.
 Latch. A. C. Patton. No. 1,228,129; May 29; v. 238; p. 1527.
 Latch. J. L. Pollock. No. 1,230,774; June 19; v. 239; p. 888.
 Latch. P. A. Rasmus. No. 1,214,071; Jan. 30; v. 234; p. 1406.
 Latch. R. Schoell. No. 1,212,117; Jan. 9; v. 234; p. 631.
 Latch. J. Schubert. No. 1,219,168; Mar. 13; v. 236; p. 482.
 Latch. G. Sederstram. No. 1,246,950; Nov. 20; v. 244; p. 605.
 Latch. J. F. White. No. 1,221,953; Apr. 10; v. 237; p. 358.
 Latch and holdback, Door. F. E. Jones. No. 1,224,749; May 1; v. 238; p. 226.
 Latch and lock, Door. G. W. Wells. No. 1,242,750; Oct. 9; v. 243; p. 448.
 Latch attachment, Door-. W. L. Mast. No. 1,216,584; Feb. 20; v. 235; p. 831.
 Latch, Automatic or knobless door-. E. T. Epling. No. 1,220,210; Mar. 27; v. 236; p. 912.
 Latch, Automatic window-. J. E. Heikkila. No. 1,233,055; July 10; v. 240; p. 534.
 Latch, Automobile-door. C. A. Painter, Jr., and J. P. McKinney, Jr. No. 1,249,472; Dec. 11; v. 245; p. 332.
 Latch-board. S. M. Ford. No. 1,236,283; Aug. 7; v. 241; p. 242.
 Latch-case. W. H. Appleby. No. 1,233,295; July 17; v. 240; p. 647.
 Latch, Cupboard-. J. G. McCracken. No. 1,230,740; June 19; v. 239; p. 876.
 Latch device, Magnetic. F. A. Schoenle. No. 1,238,345; Aug. 28; v. 241; p. 1010.
 Latch, Door-. W. H. Collier. No. 1,221,685; Apr. 3; v. 237; p. 237.
 Latch, Door-. O. C. Davis. No. 1,210,911; Jan. 2; v. 234; p. 184.
 Latch, Door-. G. H. Elwell. No. 1,243,596; Oct. 16; v. 243; p. 740.
 Latch, Door-. H. J. Ferris. No. 1,251,207; Dec. 25; v. 245; p. 931.
 Latch, Door-. C. E. Fitch. No. 1,251,002; Dec. 25; v. 245; p. 873.
 Latch, Door-. S. H. Ford. No. 1,214,148; Jan. 30; v. 234; p. 1431.
 Latch, Door-. A. B. Gruber. No. 1,211,437; Jan. 9; v. 234; p. 398.
 Latch, Door-. E. P. Harley. No. 1,234,661; July 24; v. 240; p. 1125.
 Latch, Door-. W. S. Minor. No. 1,210,826; Jan. 2; v. 234; p. 153.
 Latch, Door-. P. A. Schwab. No. 1,250,522; Dec. 18; v. 245; p. 680.
 Latch, Door-. J. A. Tarkington. No. 1,249,553; Dec. 11; v. 245; p. 355.
 Latch, Door-. N. Twombly. No. 1,213,040; Jan. 16; v. 234; p. 986.
 Latch, Door-. C. Vicenzi. No. 1,235,946; Aug. 7; v. 241; p. 137.
 Latch, Door-. A. E. Wagner. No. 1,227,709; May 29; v. 238; p. 1385.
 Latch, Door-. G. W. Wells. No. 1,242,749; Oct. 9; v. 243; p. 447.
 Latch, Door-. R. G. Winter. No. 1,244,394; Oct. 23; v. 243; p. 1019.
 Latch, Door-. H. A. Young. No. 1,242,301; Oct. 9; v. 243; p. 305.
 Latch, Elevator-shaft-door. E. B. Chapin. No. 1,221,508; Apr. 3; v. 237; p. 179.
 Latch for doors. H. D. Wilson. No. 1,247,052; Nov. 20; v. 244; p. 634.
 Latch for doors of kitchen-cabinets, &c. C. Mahoney. No. 1,243,325; Oct. 16; v. 243; p. 662.
 Latch for elevator-gates, Safety-. C. L. Borst. No. 1,213,450; Jan. 23; v. 234; p. 1163.
 Latch for furniture-drawers. A. T. Weiss. No. 1,223,455; Apr. 24; v. 237; p. 958.
 Latch for gates and barn-doors. R. H. Emry. No. 1,249,052; Dec. 4; v. 245; p. 180.
 Latch for pneumatic carriers. O. Winter. No. 1,223,651; Apr. 24; v. 237; p. 1029.
 Latch, Gate-. W. E. Arnold. No. 1,221,954; Apr. 10; v. 237; p. 365.
 Latch, Gate-. C. R. Bond. No. 1,236,255; Aug. 7; v. 241; p. 233.
 Latch, Gate-. H. Bramsted. No. 1,224,265; May 1; v. 238; p. 54.
 Latch, Gate-. K. H. Deloatch. No. 1,235,560; Aug. 7; v. 241; p. 9.
 Latch, Gate-. W. G. Henkle. No. 1,216,314; Feb. 20; v. 235; p. 734.
 Latch, Gate-. F. L. Howard. No. 1,215,376; Feb. 13; v. 235; p. 345.
 Latch, Gate-. L. Kirsch. No. 1,233,674; July 17; v. 240; p. 773.
 Latch, Gate-. F. M. Petty. No. 1,213,899; Jan. 30; v. 234; p. 1347.
 Latch, Gate-. A. Saari. No. 1,242,376; Oct. 9; v. 243; p. 328.
 Latch, Gate-. W. Schreiber. No. 1,226,120; May 15; v. 238; p. 784.
 Latch, Gate-. I. P. Smith. No. 1,241,671; Oct. 2; v. 243; p. 64.
 Latch, Gate-. A. Stillings and T. W. Carl. No. 1,245,057; Oct. 30; v. 243; p. 1257.
 Latch, Gate-. R. M. Williams. No. 1,216,034; Feb. 13; v. 235; p. 584.
 Latch, Gate-. A. L. Winnega. No. 1,227,863; May 29; v. 238; p. 1438.
 Latch, Gate or door. W. J. Cluts. No. 1,234,132; July 24; v. 240; p. 955.
 Latch-handle. F. E. Laufer. No. 1,227,916; May 29; v. 238; p. 1456.
 Latch, Lock-. E. Paquette. No. 1,244,364; Oct. 23; v. 243; p. 1010.
 Latch-lock. J. Pindroh. No. 1,222,462; Apr. 10; v. 237; p. 544.
 Latch, Locking-. A. R. Enquist. No. 1,241,613; Oct. 2; v. 243; p. 48.
 Latch mechanism for collapsible shelves and doors. C. de Vleeschouwer and J. Tacoma. No. 1,214,018; Jan. 30; v. 234; p. 1388.
 Latch, Night-. A. A. Page. No. 1,223,898; Apr. 24; v. 237; p. 1117.
 Latch-operating mechanism, Door-. R. J. and C. L. Roulo. No. 1,234,938; July 31; v. 240; p. 1246.
 Latch-operating mechanism for automobile-doors. W. J. Hoskyns. No. 1,233,880; July 17; v. 240; p. 839.
 Latch, Refrigerator-. H. Blye. No. 1,238,876; Sept. 4; v. 242; p. 50.
 Latch, Refrigerator-. J. H. Stanfield. No. 1,229,804; June 12; v. 239; p. 531.
 Latch, Ring gate-. R. A. Williams. No. 1,211,022; Jan. 2; v. 234; p. 224.
 Latch, Safety-. A. A. Still. No. 1,237,116; Aug. 14; v. 241; p. 545.
 Latch, Safety catch-. G. H. Elwell. No. 1,235,885; Aug. 7; v. 241; p. 117.
 Latch, Sliding. G. Hanke. No. 1,247,397; Nov. 20; v. 244; p. 733.
 Latch, Truck-body-door. G. A. Wood. No. 1,223,462; Apr. 24; v. 237; p. 961.
 Latch, Vehicle-door. C. Dziegielewski. No. 1,218,845; Mar. 13; v. 236; p. 373.
 Latch, Window-. W. S. Fell. No. 1,227,768; May 29; v. 238; p. 1405.
 Latches, Guard for door-. C. F. Kline. No. 1,215,384; Feb. 13; v. 235; p. 348.
 Latches, Strike-plate for vehicle-door. R. Kalmer. No. 1,233,672; July 17; v. 240; p. 773.
 Latching and tripping mechanism. V. S. Beam and E. C. Otto. No. 1,227,867; May 22; v. 238; p. 1240.
 Latching device. H. G. Baxter. No. 1,229,703; June 12; v. 239; p. 497.
 Latching device, Gate-. J. Neal. No. 1,240,242; Sept. 18; v. 242; p. 548.
 Lath and bolter mills, Feeding-roller for. T. A. Coleman. No. 1,233,985; July 17; v. 240; p. 872.
 Lath and heat-insulating material, Composite. G. H. Ellis. No. 1,228,422; June 5; v. 239; p. 16.
 Lath-board, Machine for making. S. M. Ford. No. 1,226,650; May 22; v. 238; p. 999.
 Lath-board-making machine. S. M. Ford. No. 1,245,450; Nov. 6; v. 244; p. 92.
 Lath-board-making machine. S. M. Ford. No. 1,249,733; Dec. 11; v. 245; p. 408.
 Lath-holder. J. H. Haller. No. 1,221,317; Apr. 3; v. 237; p. 112.

- Lath, Metal. C. H. Scammell. No. 1,210,849; Jan. 2; v. 234; p. 161.
- Lath, Method and machine for making metal. C. H. Scammell. No. 1,210,848; Jan. 2; v. 234; p. 161.
- Lathing, Plastic. G. D. Flanders. No. 1,232,522; July 10; v. 240; p. 362.
- Lathe. C. G. Barth. No. 1,226,051; May 15; v. 238; p. 761.
- Lathe. G. De Laval. No. 1,240,032; Sept. 11; v. 242; p. 445.
- Lathe. E. Feilhauer. No. 1,250,572; Dec. 18; v. 245; p. 695.
- Lathe. B. M. W. Hanson. No. 1,237,511; Aug. 21; v. 241; p. 707.
- Lathe. E. J. Moore and D. S. Hawkins. No. 1,240,474; Sept. 18; v. 242; p. 622.
- Lathe. A. E. Newton and F. K. Hendrickson. No. 1,242,583; Oct. 9; v. 243; p. 396.
- Lathe. C. G. Olson. No. 1,238,934; Sept. 4; v. 242; p. 68.
- Lathe. C. G. Olson. No. 1,238,935; Sept. 4; v. 242; p. 68.
- Lathe. E. Rivett. No. 1,250,660; Dec. 18; v. 245; p. 720.
- Lathe. J. B. Stanwood and H. M. Houston. No. 1,235,393; July 31; v. 240; p. 1383.
- Lathe. C. F. Williams. No. 1,239,857; Sept. 11; v. 242; p. 392.
- Lathe-apron. C. D. Gibson. No. 1,242,679; Oct. 9; v. 243; p. 426.
- Lathe attachment. P. Archer. No. 1,246,697; Nov. 13; v. 244; p. 495.
- Lathe attachment. A. E. Hopkins. No. 1,246,922; Nov. 20; v. 244; p. 598.
- Lathe attachment. C. A. Kulenkampff. No. 1,211,183; Jan. 2; v. 234; p. 276.
- Lathe attachment. S. Newman and H. R. Bothwell. No. 1,227,486; May 22; v. 238; p. 1279.
- Lathe attachment. Universal. H. J. Hjorth. No. 1,232,801; July 10; v. 240; p. 453.
- Lathe. Automatic tool-sharpening button-. P. F. Dusha and A. Feyk. No. 1,225,599; May 8; v. 238; p. 566.
- Lathe. Button-cutting. P. F. Dusha and A. Feyk. No. 1,230,688; June 19; v. 239; p. 859.
- Lathe. Capstan-. A. Frisch. No. 1,228,657; June 5; v. 239; p. 95.
- Lathe-center. W. Y. Mentzer. No. 1,239,027; Sept. 4; v. 242; p. 99.
- Lathe-center adjusting and clamping means. N. D. Chard. No. 1,239,352; Sept. 4; v. 242; p. 202.
- Lathe-chuck jaw. W. F. Parsons. No. 1,224,780; May 1; v. 238; p. 235.
- Lathe clutch mechanism. E. Feilhauer. No. 1,250,826; Dec. 18; v. 245; p. 771.
- Lathe-dog. L. Bastrup. No. 1,237,153; Aug. 14; v. 241; p. 554.
- Lathe-dog. C. A. Thysell. No. 1,227,219; May 22; v. 238; p. 1193.
- Lathe-dog guard. W. P. Keichel. No. 1,232,325; July 3; v. 240; p. 264.
- Lathe. Fluid-operated. H. E. Warren. No. 1,244,664; Oct. 30; v. 243; p. 1139.
- Lathe for turning irregular forms. J. J. McCann. No. 1,221,552; Apr. 3; v. 237; p. 194.
- Lathe-grinder attachment. H. T. Jensen. No. 1,243,180; Oct. 16; v. 243; p. 617.
- Lathe grinding attachment. C. V. Greenamyer. No. 1,221,798; Apr. 3; v. 237; p. 276.
- Lathe grinding attachment. L. Matula. No. 1,229,496; June 12; v. 239; p. 427.
- Lathe grinding-machine. Bench-. A. Schachat. No. 1,237,254; Aug. 14; v. 241; p. 587.
- Lathe-heads and the like, Back-gear for. C. F. Davis. No. 1,249,905; Dec. 11; v. 245; p. 460.
- Lathe-operating mechanism. E. Pokora. No. 1,212,257; Jan. 16; v. 234; p. 712.
- Lathe, Pattern-. E. A. Eastman. No. 1,241,838; Oct. 2; v. 243; p. 118.
- Lathe. Screw-cutting. F. V. Breeden. No. 1,216,060; Feb. 13; v. 235; p. 593.
- Lathe taper attachment. C. Nordstrom. No. 1,222,021; Apr. 10; v. 237; p. 388.
- Lathe, Templet-. H. Michel-Lévy. No. 1,239,422; Sept. 4; v. 242; p. 223.
- Lathe-tool-grinding attachment. C. V. Greenamyer. No. 1,221,797; Apr. 3; v. 237; p. 276.
- Lathe-tool holder. R. Milecz. No. 1,214,347; Jan. 30; v. 234; p. 1501.
- Lathe-tool holder. E. N. Moor. No. 1,219,841; Mar. 20; v. 236; p. 746.
- Lathe, Turret-. G. C. Bardons. No. 1,224,889; May 8; v. 238; p. 325.
- Lathes and like machines, Tool-holder for. H. O. Spade. No. 1,229,802; June 12; v. 239; p. 530.
- Lathes and the like, Attachment for. J. Kupp. No. 1,228,570; June 5; v. 239; p. 67.
- Lathes and the like, Indexing attachment for. L. A. Brinkman. No. 1,225,106; May 8; v. 238; p. 398.
- Lathes and the like, Marker for. R. F. Bracke. No. 1,220,597; Mar. 27; v. 236; p. 1050.
- Lathes, &c., Attachment for. F. W. Sickles. No. 1,234,225; July 24; v. 240; p. 985.
- Lathes, Automatic stop mechanism for turret-. J. G. Oliver and G. C. Bardons. No. 1,224,955; May 8; v. 238; p. 347.
- Lathes, Backing-off attachment for. T. Melder. No. 1,251,263; Dec. 25; v. 245; p. 948.
- Lathes, Grinding attachment for. H. Kershaw. No. 1,251,047; Dec. 25; v. 245; p. 885.
- Lathes, Milling attachment for. H. W. Jay. No. 1,217,949; Mar. 6; v. 236; p. 22.
- Lathes, Milling attachment for. J. H. Paschall. No. 1,216,600; Feb. 20; v. 235; p. 836.
- Lathes, Positive apron-drive for. R. K. Le Blond and W. F. Greene. No. 1,218,784; Mar. 13; v. 236; p. 349.
- Lathes, Relieving attachment for. O. W. Steindorff. No. 1,214,236; Jan. 30; v. 234; p. 1461.
- Lathes, Slide-adjusting mechanism for turret-. E. Henrikson. No. 1,233,665; July 17; v. 240; p. 770.
- Lathes, Stop mechanism for. H. C. Dodge and C. G. Osteman. No. 1,249,275; Dec. 4; v. 245; p. 245.
- Lathes, Taper attachment for. E. R. Seward. No. 1,233,711; July 17; v. 240; p. 784.
- Lathes, Taper-cutting attachment for. H. D. Stewart. No. 1,226,825; May 22; v. 238; p. 1059.
- Lathes, Threading mechanism for automatic. J. J. Hogan, J. F. Judd, and L. M. Waite. No. 1,222,954; Apr. 17; v. 237; p. 755.
- Lathes, Turret attachment for. F. P. Miller. No. 1,236,200; Aug. 7; v. 241; p. 216.
- Lathes, Turret tool-post for engine-. H. Newmann. No. 1,250,490; Dec. 18; v. 245; p. 670.
- Lathes, Vertical-feed attachment for turning-. D. Dunlap. No. 1,225,117; May 8; v. 238; p. 401.
- Launching and landing device. H. J. Smiley. No. 1,236,493; Aug. 14; v. 241; p. 342.
- Laundried articles or the like, Apparatus for facilitating the inspection of. L. M. Kohn. No. 1,245,242; Nov. 6; v. 244; p. 31.
- Laundries, Treating waste soapy liquor from. E. W. Lucas. No. 1,245,605; Nov. 6; v. 244; p. 141.
- Laundry apparatus. H. H. Lyche. No. 1,233,796; July 17; v. 240; p. 811.
- Laundry apparatus. F. W. Sauer. No. 1,224,963; May 8; v. 238; p. 349.
- Laundry apparatus, Driving mechanism for. F. W. Sauer. No. 1,224,961; May 8; v. 238; p. 348.
- Laundry appliance. A. McBride. No. 1,249,975; Dec. 11; v. 245; p. 478.
- Laundry appliance. H. M. Nolen. No. 1,249,464; Dec. 11; v. 245; p. 329.
- Laundry-bag. N. B. Tichenor. No. 1,216,015; Feb. 13; v. 235; p. 576.
- Laundry-bag for trunks. J. H. Bartlett. No. 1,225,001; May 8; v. 238; p. 362.
- Laundry blue, Producing. G. F. Gillpatrick. No. 1,224,737; May 1; v. 238; p. 222.
- Laundry-container. W. A. J. Lowe. No. 1,217,031; Feb. 20; v. 235; p. 981.
- Laundry device. G. F. Gray. No. 1,234,658; July 24; v. 240; p. 1124.
- Laundry-distributing system. D. H. Parce. No. 1,217,986; Mar. 6; v. 236; p. 34.
- Laundry-extractors, Mobile frame and carrier for. E. Tetrault. No. 1,234,509; July 24; v. 240; p. 1078.
- Laundry-machine. L. H. Freeman. No. 1,220,620; Mar. 27; v. 236; p. 1057.
- Laundry machinery. D. H. Benjamin and J. G. Alber. No. 1,220,591; Mar. 27; v. 236; p. 1048.
- Laundry machinery. T. J. Casey. No. 1,247,079; Nov. 20; v. 244; p. 643.
- Laundry-marking machine. C. C. Mitchell. No. 1,241,417; Sept. 25; v. 242; p. 947.
- Laundry-receptacle. M. E. Ream. No. 1,224,568; May 1; v. 238; p. 162.
- Laundry-selecting mechanism. B. A. Huddleston. No. 1,247,535; Nov. 20; v. 244; p. 772.
- Laundry-trays, Water-fitting for. C. O. Schoonover. No. 1,232,855; July 10; v. 240; p. 470.
- Laundrying-machine. J. H. Siert. No. 1,220,697; Mar. 27; v. 236; p. 1084.
- Lavatories or the like, Combined fixture and valve for. A. J. Barr. No. 1,228,739; June 5; v. 239; p. 124.
- Lavatory. M. J. Carroll. No. 1,248,076; Nov. 27; v. 244; p. 960.
- Lavatory. C. C. Keller. No. 1,213,207; Jan. 23; v. 234; p. 1078.
- Lavatory-bowl. A. Suelflohn. No. 1,224,974; May 8; v. 238; p. 353.
- Lavatory-cover, Sanitary. L. O. White. No. 1,236,798; Aug. 14; v. 241; p. 443.
- Lavatory-fitting. J. H. Glauber. No. 1,224,297; May 1; v. 238; p. 65.
- Lavatory-fixture. M. Lemp, W. F. Albrecht, and J. Shebol. No. 1,224,306; May 1; v. 238; p. 69.
- Lavatory-strike. O. Katzenberger. No. 1,245,734; Nov. 6; v. 244; p. 179.
- Lawn-edger. F. J. Hamman. No. 1,249,385; Dec. 11; v. 245; p. 307.
- Lawn-edger. C. L. Schneider. No. 1,214,597; Feb. 6; v. 235; p. 40.
- Lawn or garden sprinkler. C. L. Kelso. No. 1,235,813; Aug. 7; v. 241; p. 93.
- Lawn-rake. T. Hanamma. No. 1,239,687; Sept. 11; v. 242; p. 338.
- Lawn-sprinkler. G. C. Bohnenkemper. No. 1,223,246; Apr. 17; v. 237; p. 853.
- Lawn-sprinkler. J. D. Humphrey. No. 1,214,038; Jan. 30; v. 234; p. 1395.

Alphabetical list of inventions—Continued.

- Lawn-sprinkler. J. D. Humphrey. No. 1,219,641; Mar. 20; v. 236; p. 676.
- Lawn-sprinkler. J. Peepers. No. 1,226,003; May 15; v. 238; p. 744.
- Lawn-sprinkler. G. H. Schneider. No. 1,249,838; Dec. 11; v. 245; p. 439.
- Lawn-sprinkler. J. A. Tuthill. No. 1,216,630; Feb. 20; v. 235; p. 847.
- Lawn-sprinkler. F. W. Yonge. No. 1,221,945; Apr. 10; v. 237; p. 362.
- Lawn-sprinkler. Traveling. W. C. Todd and J. W. Pomerooy. No. 1,215,081; Feb. 6; v. 235; p. 210.
- Lawn-trimmer. H. L. Ericksson. No. 1,218,173; Mar. 6; v. 236; p. 99.
- Lawn-trimmer. G. R. Evans. No. 1,232,255; July 3; v. 240; p. 241.
- Lawn-trimmer. K. A. Heidl. No. 1,222,950; Apr. 17; v. 237; p. 754.
- Lawn-trimmer. F. Heine. No. 1,216,566; Feb. 20; v. 235; p. 824.
- Lawn-trimmer. F. N. Jordan. No. 1,218,669; Mar. 13; v. 236; p. 308.
- Lawn-trimmer. F. C. Myer. No. 1,217,204; Feb. 27; v. 235; p. 1085.
- Lawn-trimmer. J. Rial and W. C. Hodde. No. 1,222,031; Apr. 10; v. 237; p. 392.
- Lawn-trimmer. G. T. Sundholm. No. 1,238,595; Aug. 28; v. 241; p. 1090.
- Laying-out device. J. D. Webber. No. 1,237,001; Aug. 14; v. 241; p. 507.
- Leaching apparatus. L. C. Trent. No. 1,240,904; Sept. 25; v. 242; p. 788.
- Leaching apparatus. U. Wedge. No. 1,229,839; June 12; v. 239; p. 543.
- Leaching flue-dust. F. W. Huber and F. F. Reath. No. 1,220,989; Mar. 27; v. 236; p. 1180.
- Leaching out hops. H. Schneider. No. 1,232,098; July 3; v. 240; p. 191.
- Lead and molybdenum from mineral wulfenite, Separating. A. Kisko. No. 1,218,412; Mar. 6; v. 236; p. 182.
- Lead arsenate, Making. E. O. Barstow and J. A. Cavanaugh. No. 1,228,516; June 5; v. 239; p. 49.
- Lead-holder. W. K. Holmes. No. 1,234,666; July 24; v. 240; p. 1127.
- Lead-line controller. E. Bergman. No. 1,214,125; Jan. 30; v. 234; p. 1424.
- Lead oxid, Apparatus for carbonating. F. H. Sharpe. No. 1,214,229; Jan. 30; v. 234; p. 1458.
- Lead pigments, Producing. A. S. Ramage. No. 1,243,762; Oct. 23; v. 243; p. 829.
- Lead-pointer. A. J. Arthur. No. 1,238,978; Sept. 4; v. 242; p. 83.
- Lead, Production of carbonate of. G. Bevilacqua. No. 1,231,476; June 26; v. 239; p. 1162.
- Lead-sulfid ores, Treatment of. P. C. H. West. No. 1,225,296; May 8; v. 238; p. 462.
- Leaf-holder. I. J. Plamondon. No. 1,228,595; June 5; v. 239; p. 75.
- Leaf holder, Loose. C. F. Brenne, E. G. Jurgens, and D. C. Dudley. No. 1,216,062; Feb. 13; v. 235; p. 594.
- Leaf holder, Loose. R. Hawkins. No. 1,215,371; Feb. 13; v. 235; p. 343.
- Leaf-spring. A. D. Cameron. No. 1,220,396; Mar. 27; v. 236; p. 580.
- Leaf-spring. E. G. Dann. No. 1,221,695; Apr. 3; v. 237; p. 241.
- Leaf-spring. W. F. Delehanty. No. 1,212,916; Jan. 16; v. 234; p. 943.
- Leaf-spring. C. P. Schwarz. No. 1,219,592; Mar. 20; v. 236; p. 659.
- Leaf-spring lubricator. W. H. Brown. No. 1,241,817; Oct. 2; v. 243; p. 112.
- Leaf-spring spreader. A. F. Weise. No. 1,234,838; July 31; v. 240; p. 1212.
- Leaf-turner. G. W. Hoke. No. 1,237,042; Aug. 14; v. 241; p. 521.
- Leaf-turner. D. J. Levinson. No. 1,220,520; Mar. 27; v. 236; p. 1023.
- Leaf-turner. G. W. Pulver. No. 1,235,053; July 31; v. 240; p. 1282.
- Leaf-turning device. J. B. Sturzl. No. 1,213,297; Jan. 23; v. 234; p. 1109.
- Leather and composition used in the manufacture thereof, Artificial. L. Lilienfeld. No. 1,217,123; Feb. 20; v. 235; p. 1014.
- Leather and making same, Composition for finishing and dressing. T. Sandlant. No. 1,234,494; July 24; v. 240; p. 1074.
- Leather and making the same, Artificial. S. Satow. No. 1,245,977; Nov. 6; v. 244; p. 250.
- Leather and manufacturing the same, Artificial. A. H. Whitmore. No. 1,244,567; Oct. 30; v. 243; p. 1111.
- Leather and the like with skiving or splitting machines, Working enameled. H. Klaeger. No. 1,214,173; Jan. 30; v. 234; p. 1439.
- Leather, Apparatus for making artificial. S. Meers. No. 1,235,043; July 31; v. 240; p. 1279.
- Leather articles, Making coated. J. H. Butler. No. 1,236,049; Aug. 7; v. 241; p. 170.
- Leather, Artificial. S. Tschoumakoff. No. 1,228,848; June 5; v. 239; p. 162.
- Leather-board and making same. E. B. Elsing. No. 1,234,315; July 24; v. 240; p. 1015.
- Leather-brushing machine. C. Ruhe. No. 1,213,908; Jan. 30; v. 234; p. 1350.
- Leather-creasing machine. J. P. Buraschi. No. 1,218,369; Mar. 6; v. 236; p. 168.
- Leather-cutting machine. L. H. Gaffney. No. 1,235,459; July 31; v. 240; p. 1401.
- Leather-cutting machine. A. J. Gagne. No. 1,210,454; Jan. 2; v. 234; p. 27.
- Leather-cutting machines, Block-holding attachment for. J. C. McGuire. No. 1,218,433; Mar. 6; v. 236; p. 189.
- Leather-dressing machine. O. F. Feix. No. 1,241,363; Sept. 25; v. 242; p. 932.
- Leather fabric. W. M. Cavanaugh. No. 1,239,880; Sept. 11; v. 242; p. 400.
- Leather fabric. W. M. Cavanaugh. No. 1,243,709; Oct. 23; v. 243; p. 810.
- Leather for gloves, Treating. A. Aaron and G. M. Jones. No. 1,230,358; June 19; v. 239; p. 750.
- Leather-glazing machine. W. Hofman and C. Christy. No. 1,214,462; Jan. 30; v. 234; p. 1538.
- Leather grading and sorting machine. C. E. Clarke and J. S. Delaney. No. 1,243,260; Oct. 16; v. 243; p. 641.
- Leather-like material, Manufacturing. A. G. Emery. No. 1,249,360; Dec. 11; v. 245; p. 301.
- Leather liquid dressing. H. A. Hameister. No. 1,214,157; Jan. 30; v. 234; p. 1434.
- Leather, Manufacturing. O. Carr. No. 1,230,667; June 19; v. 239; p. 852.
- Leather, Manufacturing. F. W. Weber. No. 1,221,929; Apr. 10; v. 237; p. 357.
- Leather of uniform thickness, Machine for making. H. A. Bell. No. 1,216,053; Feb. 13; v. 235; p. 591.
- Leather, Producing artificial. C. E. Arnold. No. 1,247,610; Nov. 27; v. 244; p. 826.
- Leather, Production of light-colored. S. Saxe. No. 1,235,059; July 31; v. 240; p. 1284.
- Leather, Repairing enameled. A. M. and G. M. Towle. No. 1,226,146; May 15; v. 238; p. 793.
- Leather-rolling machine. J. R. Nichols and G. A. Johnston. No. 1,232,833; July 10; v. 240; p. 462.
- Leather scrubbing or brushing machine. C. Ruhe. No. 1,233,709; July 17; v. 240; p. 784.
- Leather-skiving machine. G. O. Terry. No. 1,217,527; Feb. 27; v. 235; p. 1199.
- Leather-splitting machines, Ring-roll for. W. D. Quigley. No. 1,232,716; July 10; v. 240; p. 424.
- Leather-staking machine. F. F. Slocumb. No. 1,247,021; Nov. 20; v. 244; p. 626.
- Leather, Stretching. I. H. Ellsworth. No. 1,235,299; July 31; v. 240; p. 1355.
- Leather substitute, Multistretchable. E. Weinheim. No. 1,242,622; Oct. 9; v. 243; p. 408.
- Leather, Toggle for use in stretching. A. G. Hill. No. 1,212,485; Jan. 16; v. 234; p. 791.
- Leather, Treating. P. Alexander. No. 1,225,389; May 8; v. 238; p. 495.
- Leather waterproofing and preserving composition. N. McLaughlin. No. 1,244,062; Oct. 23; v. 240; p. 920.
- Leather-working machine. W. C. Roche. No. 1,215,866; Feb. 13; v. 235; p. 522.
- Leather-working machines, Spring-roll for. E. N. Bergstrom. No. 1,210,401; Jan. 2; v. 234; p. 7.
- Leer. H. S. Heichert. No. 1,232,798; July 10; v. 240; p. 452.
- Leg, Artificial. E. W. Babcock. No. 1,232,173; July 3; v. 240; p. 214.
- Leg, Artificial. F. Buchstein. No. 1,225,923; May 15; v. 238; p. 716.
- Leg, Artificial. J. F. Cordell. No. 1,244,294; Oct. 23; v. 243; p. 990.
- Leg, Artificial. J. E. Hanger, Jr. No. 1,246,590; Nov. 13; v. 244; p. 464.
- Leg, Artificial. H. H. and J. E. Hanger, Jr. No. 1,247,673; Nov. 27; v. 244; p. 845.
- Leg, Artificial. L. M. Lux. No. 1,213,923; Jan. 30; v. 234; p. 1355.
- Leg, Artificial. C. J. Pilling and F. H. Jewett. No. 1,211,222; Jan. 2; v. 234; p. 290.
- Leg, Artificial. J. F. Rowley. No. 1,216,367; Feb. 20; v. 235; p. 753.
- Leg-brace. W. M. Hinson. No. 1,228,113; May 29; v. 238; p. 1523.
- Leg-holder. A. A. Poehner. No. 1,230,512; June 19; v. 239; p. 801.
- Leg-socket. E. L. Watrous. No. 1,211,797; Jan. 9; v. 234; p. 520.
- Legging. R. L. Campbell. No. 1,247,370; Nov. 20; v. 244; p. 725.
- Legging. W. R. Claxton. No. 1,211,411; Jan. 9; v. 234; p. 389.
- Legging. C. T. Dahlin. No. 1,222,737; Apr. 17; v. 237; p. 682.
- Legging. C. T. Dahlin. No. 1,242,150; Oct. 9; v. 243; p. 257.
- Legging. D. W. House. No. 1,241,217; Sept. 25; v. 242; p. 884.
- Legging. E. W. Mackey. No. 1,236,328; Aug. 7; v. 241; p. 255.
- Legging. E. B. Nathan. No. 1,240,082; Sept. 11; v. 242; p. 458.
- Legging. L. G. Teare. No. 1,219,507; Mar. 20; v. 236; p. 629.
- Legging. F. H. Wheeler and C. R. Holcomb. No. 1,220,806; Mar. 27; v. 236; p. 1120.

- Leggings, Apparatus for making. H. Johannesen. No. 1,229,277; June 12; v. 239; p. 354.
- Lemon-squeezer. D. Du Boe. No. 1,234,146; July 24; v. 240; p. 960.
- Lens. F. E. Dillon. No. 1,235,297; July 31; v. 240; p. 1355.
- Lens. R. L. Gordon. No. 1,223,691; Apr. 24; v. 237; p. 1045.
- Lens. L. L. Rowe. No. 1,241,886; Oct. 2; v. 243; p. 134.
- Lens. M. Zwillinger. No. 1,236,895; Aug. 14; v. 241; p. 472.
- Lens, Axis-finder for a. C. Milgrom and D. Dunn. No. 1,232,466; July 3; v. 240; p. 307.
- Lens-clip. F. Hamilton and H. H. Styll. No. 1,250,703; Dec. 18; v. 245; p. 733.
- Lens-drilling attachment, Automatic. G. G. Worstall. No. 1,222,506; Apr. 10; v. 237; p. 559.
- Lens-drilling machine. G. A. Bader and C. W. Howland. No. 1,218,041; Mar. 6; v. 236; p. 53.
- Lens-focusing device. J. Goddard and W. S. Hutchings. No. 1,214,453; Jan. 30; v. 234; p. 1536.
- Lens-frame. G. H. Day. No. 1,221,794; Apr. 3; v. 237; p. 274.
- Lens grinding and polishing machine. E. Stead. No. 1,230,530; June 19; v. 239; p. 807.
- Lens grinding and polishing tool, Bifocal. C. C. Allen. No. 1,244,939; Oct. 30; v. 243; p. 1223.
- Lens-grinding apparatus. J. Brockbank. No. 1,221,280; Apr. 3; v. 237; p. 99.
- Lens-grinding apparatus, Optical. M. Molineaux. No. 1,237,366; Aug. 21; v. 241; p. 662.
- Lens-grinding machine. D. Coan. No. 1,250,563; Dec. 18; v. 245; p. 693.
- Lens-grinding machine. H. O. Gowlland. No. 1,217,090; Feb. 20; v. 235; p. 1000.
- Lens-grinding machine. W. R. Wilson. No. 1,238,612; Aug. 28; v. 241; p. 1095.
- Lens-grinding machines, Adapter for mounting toric tools on. J. H. Pearson. No. 1,236,474; Aug. 14; v. 241; p. 335.
- Lens-guard attachment. C. C. Norris. No. 1,217,876; Feb. 27; v. 236; p. 1318.
- Lens-grooving machine. M. Hansen. No. 1,226,329; May 15; v. 238; p. 858.
- Lens-measuring device. H. L. De Zeng. No. 1,218,243; Mar. 6; v. 236; p. 125.
- Lens-mounting. L. Arntz. No. 1,241,698; Oct. 2; v. 243; p. 73.
- Lens-mounting. W. R. Uhlemann. No. 1,250,248; Dec. 18; v. 245; p. 597.
- Lens-slotting machine. H. H. Styll and H. K. Parsons. No. 1,220,287; Mar. 27; v. 236; p. 941.
- Lens-testing apparatus. C. C. Allen. No. 1,242,754; Oct. 9; v. 243; p. 449.
- Lens-testing instrument. J. W. Collinson. No. 1,210,606; Jan. 2; v. 234; p. 78.
- Lens-testing instrument. A. H. Emerson. No. 1,241,612; Oct. 2; v. 243; p. 47.
- Lenses, Apparatus for producing toric. W. Hollands. No. 1,221,858; Apr. 10; v. 237; p. 330.
- Lenses, Device for fitting eyeglass-. E. L. McDowell. No. 1,217,035; Feb. 20; v. 235; p. 982.
- Lenses, Machine for centering, marking, and testing. C. W. Howland. No. 1,225,334; May 8; v. 238; p. 476.
- Lenses, Machine for grinding multifocal. C. A. Hoffman. No. 1,241,628; Oct. 2; v. 243; p. 52.
- Lenses, Mounting for ophthalmic. P. H. Johnston. No. 1,243,743; Oct. 23; v. 243; p. 823.
- Lenses, Smoothing-head for manufacturing eyeglass-. H. O. Gowlland. No. 1,212,628; Jan. 16; v. 234; p. 844.
- Let-off mechanism. W. Strittmatter and H. Schimmel. No. 1,230,235; June 19; v. 239; p. 709.
- Let-off mechanism. W. Strittmatter and H. Schimmel. No. 1,232,623; July 10; v. 240; p. 393.
- Letter-box. A. H. Ewing. No. 1,228,193; May 29; v. 238; p. 1547.
- Letter-conveyer. A. A. Puccini and D. Evangelist. No. 1,221,588; Apr. 3; v. 237; p. 205.
- Letter-folder. R. B. Taylor. No. 1,237,583; Aug. 21; v. 241; p. 730.
- Letter-holder. C. F. Martin. No. 1,220,251; Mar. 27; v. 236; p. 927.
- Letter-sheet and envelop, Combination. J. D. Tessier. No. 1,220,474; Mar. 27; v. 236; p. 1008.
- Letter-sheet and envelop, Combined safety. H. W. Zemke. No. 1,216,762; Feb. 20; v. 235; p. 891.
- Level. G. R. Bair and N. W. Greene. No. 1,239,336; Sept. 4; v. 242; p. 197.
- Level. D. M. Chambers. No. 1,241,341; Sept. 25; v. 242; p. 925.
- Level. C. A. Curtis. No. 1,238,991; Sept. 4; v. 242; p. 88.
- Level. J. E. Griffin. No. 1,239,590; Sept. 11; v. 242; p. 306.
- Level. A. O. Hammer. No. 1,224,536; May 1; v. 238; p. 150.
- Level. E. A. King. No. 1,241,399; Sept. 25; v. 242; p. 942.
- Level. W. A. Roeske. No. 1,213,020; Jan. 16; v. 234; p. 980.
- Level. W. P. Wood. No. 1,230,258; June 19; v. 239; p. 717.
- Level. J. Woods. No. 1,221,644; Apr. 3; v. 237; p. 223.
- Level, Adjustable. M. Kocisko. No. 1,215,035; Feb. 6; v. 235; p. 195.
- Level and plumb, Folding. W. E. Wall. No. 1,249,698; Dec. 11; v. 245; p. 398.
- Level and square, Combined. T. M. Woodell. No. 1,222,504; Apr. 10; v. 237; p. 558.
- Level and transit, Combination. A. Wissler. No. 1,234,520; July 24; v. 240; p. 1082.
- Level attachment. N. Duncan. No. 1,229,916; June 12; v. 239; p. 567.
- Level device. J. F. Isom. No. 1,221,738; Apr. 3; v. 237; p. 255.
- Level, Hand-. C. Flint. No. 1,219,095; Mar. 13; v. 236; p. 458.
- Level, Illuminated. W. H. Robertson. No. 1,247,154; Nov. 20; v. 244; p. 665.
- Level, Liquid-. P. Wilner. No. 1,234,594; July 24; v. 240; p. 1105.
- Level or plumb. J. W. Day. No. 1,251,349; Dec. 25; v. 245; p. 974.
- Level, Plumb-. J. Holm. No. 1,240,849; Sept. 25; v. 242; p. 770.
- Level, Plumb-. W. H. Morrow. No. 1,236,743; Aug. 14; v. 241; p. 425.
- Level, Plumb-. R. B. Young. No. 1,227,360; May 22; v. 238; p. 1238.
- Level, Spirit-. C. Bodmer and A. W. Ritter. No. 1,212,735; Jan. 16; v. 234; p. 883.
- Level, Spirit-. S. J. M. Cox. No. 1,233,756; July 17; v. 240; p. 798.
- Level, Spirit-. E. A. Schade. No. 1,211,882; Jan. 9; v. 234; p. 551.
- Leveling and plumbing implement, Combined. S. L. O. Taylor. No. 1,242,740; Oct. 9; v. 243; p. 444.
- Leveling device. A. Moser. No. 1,220,261; Mar. 27; v. 236; p. 930.
- Leveling device. H. G. Rounds. No. 1,215,711; Feb. 13; v. 235; p. 469.
- Leveling device, Automatic. E. Tomaszewsky and R. Prociow. No. 1,235,259; July 31; v. 240; p. 1343.
- Leveling instrument. G. W. Fogelsong. No. 1,220,407; Mar. 27; v. 236; p. 984.
- Leveling instrument. I. Husby. No. 1,231,162; June 26; v. 239; p. 1059.
- Leveling instrument. G. A. Jennings. No. 1,216,129; Feb. 13; v. 235; p. 619.
- Leveling-machine. W. C. Baxter. No. 1,239,664; Sept. 11; v. 242; p. 329.
- Leveling-machine. E. E. Winkley. No. 1,238,865; Sept. 4; v. 242; p. 46.
- Leveling-machine. E. E. Winkley. No. 1,238,866; Sept. 4; v. 242; p. 47.
- Leveling machine, Ground-. H. J. Reed. No. 1,223,831; Apr. 24; v. 237; p. 1093.
- Leveling, plumbing, and gaging implement, Combined. B. F. Dewees. No. 1,217,286; Feb. 27; v. 235; p. 1113.
- Leveling-rod. W. G. Lenker. No. 1,224,938; May 8; v. 238; p. 342.
- Leveling-rod. E. S. Martin. No. 1,220,358; Mar. 27; v. 236; p. 967.
- Lever-actuated mechanism, Adjustable cushioning means for. R. R. Kuss. No. 1,214,325; Jan. 30; v. 234; p. 1495.
- Lever and locking mechanism. A. McCreary. No. 1,212,528; Jan. 16; v. 234; p. 807.
- Lever attachment. C. H. Walker. No. 1,249,260; Dec. 4; v. 245; p. 240.
- Lever, Change-speed. L. A. Peterson. No. 1,248,907; Dec. 4; v. 245; p. 141.
- Lever-control system. C. W. Robinson and E. Baseman. No. 1,250,355; Dec. 18; v. 245; p. 630.
- Lever controlling device, Foot-. H. Yarnall. No. 1,214,107; Jan. 30; v. 234; p. 1418.
- Lever, Hand-. S. L. Allen. No. 1,243,240; Oct. 16; v. 243; p. 635.
- Lever-lock. R. G. Weissel. No. 1,235,863; Aug. 7; v. 241; p. 109.
- Lever, Lock-controlled. G. C. Jensen. No. 1,219,106; Mar. 13; v. 236; p. 461.
- Lever lock, Controlling. E. L. McManus, Jr., and C. A. Schultz, Jr. No. 1,223,084; Apr. 17; v. 237; p. 800.
- Lever-locking apparatus. G. C. Jensen. No. 1,240,346; Sept. 18; v. 242; p. 581.
- Lever-locking apparatus. G. C. Jensen. No. 1,248,126; Nov. 27; v. 244; p. 975.
- Lever-locking device. C. A. Bickford. No. 1,236,396; Aug. 14; v. 241; p. 309.
- Lever-locking device, Movable-. G. C. Jensen. No. 1,233,785; July 17; v. 240; p. 807.
- Lever-locking device, Movable-. G. C. Jensen. No. 1,233,786; July 17; v. 240; p. 808.
- Lever-locking mechanism. G. C. Jensen. No. 1,244,857; Oct. 30; v. 243; p. 1197.
- Lever-locking mechanism, Gear-shift-. G. C. Jensen. No. 1,233,787; July 17; v. 240; p. 808.
- Lever-openings, Air and dust guard for. A. J. Kusian. No. 1,249,122; Dec. 4; v. 245; p. 200.
- Lever set-works. I. M. Thurlow. No. 1,216,517; Feb. 20; v. 235; p. 806.
- Lever, Locking means for. G. C. Jensen. No. 1,235,035; July 31; v. 240; p. 1277.
- Lever, Mechanism for locking. G. C. Jensen. No. 1,235,034; July 31; v. 240; p. 1276.

- Levers, Pawl-locking mechanism for pawl-carrying. H. Josephson. No. 1,225,135; May 8; v. 238; p. 407.
- Levers, Pedal attachment for accelerating-. L. S. Hackney. No. 1,214,027; Jan. 30; v. 234; p. 1391.
- License-carrier, Pocket. L. C. Germain. No. 1,210,927; Jan. 2; v. 234; p. 190.
- License-holder. W. F. Koenig. No. 1,223,700; Apr. 24; v. 237; p. 1047.
- License-number exhibitor, Vehicle-. W. N. Johnson. No. 1,240,347; Sept. 18; v. 242; p. 582.
- License-number plate. V. and M. Altman. No. 1,224,056; Apr. 24; v. 237; p. 1169.
- License-number-plate holder. F. Holecny. No. 1,245,461; Nov. 6; v. 244; p. 96.
- License-tag holder. R. S. Grant. No. 1,218,761; Mar. 13; v. 236; p. 341.
- Lid. G. J. Guth. No. 1,215,929; Feb. 13; v. 235; p. 545.
- Lid-lifting device. E. G. Hayne. No. 1,223,387; Apr. 24; v. 237; p. 934.
- Lid-opener. G. P. Smith. No. 1,234,576; July 24; v. 240; p. 1100.
- Lid-remover. G. M. Rhonemus. No. 1,211,233; Jan. 2; v. 234; p. 296.
- Lid-support, Self-releasing. G. H. Bowen, Jr. No. 1,214,890; Feb. 6; v. 235; p. 142.
- Life-belt. S. P. Bjerre. No. 1,212,315; Jan. 16; v. 234; p. 733.
- Life-belt, Convertible. A. Gerley. No. 1,221,852; Apr. 10; v. 237; p. 328.
- Life-boat. F. Bentivegna. No. 1,245,178; Nov. 6; v. 244; p. 10.
- Life-boat. J. Jeleric. No. 1,249,633; Dec. 11; v. 245; p. 379.
- Life-boat. A. P. Lundin. No. 1,249,645; Dec. 11; v. 245; p. 382.
- Life-boat. K. Okamuro. No. 1,238,185; Aug. 28; v. 241; p. 957.
- Life-boat. M. Zaradzki. No. 1,238,244; Aug. 28; v. 241; p. 976.
- Life-boat. M. Zaradzki. No. 1,238,245; Aug. 28; v. 241; p. 976.
- Life-boat holding and launching device. F. W. Sievers. No. 1,248,183; Nov. 27; v. 244; p. 991.
- Life-boat protector. F. Suchovsky. No. 1,243,117; Oct. 16; v. 243; p. 599.
- Life-boats, Detachable means for. J. A. McNabb. No. 1,246,968; Nov. 20; v. 244; p. 611.
- Life-buoy, Pocket. P. De Luca. No. 1,240,686; Sept. 18; v. 242; p. 686.
- Life-insurance systems, Device for use in industrial-. F. F. Taylor. No. 1,226,277; May 15; v. 238; p. 842.
- Life-lines, Illuminating device for. J. C. Cericola. No. 1,214,275; Jan. 30; v. 234; p. 1476.
- Life-preserver. G. B. Dame. No. 1,220,609; Mar. 27; v. 236; p. 1054.
- Life-preserver. B. A. Geiger. No. 1,230,290; June 19; v. 239; p. 728.
- Life-preserver. A. L. Jaynes. No. 1,243,415; Oct. 16; v. 243; p. 686.
- Life-preserver. J. W. Lewis. No. 1,212,077; Jan. 9; v. 234; p. 617.
- Life-preserver. D. D. Lyons. No. 1,250,911; Dec. 18; v. 245; p. 795.
- Life-preserver. S. L. Ross. No. 1,245,033; Oct. 30; v. 243; p. 1250.
- Life-preserver. S. F. Shafer. No. 1,218,904; Mar. 13; v. 236; p. 393.
- Life-preserver. N. Sinkovich. No. 1,218,909; Mar. 13; v. 236; p. 395.
- Life-preserver. A. Stefanowski. No. 1,237,404; Aug. 21; v. 241; p. 674.
- Life-preserver. O. A. Youngren. No. 1,242,752; Oct. 9; v. 243; p. 448.
- Life-preserver and diving-suit, Combined. C. S. Altoonian. No. 1,233,160; July 10; v. 240; p. 569.
- Life-preserver, Automatic. W. F. Johnson. No. 1,236,310; Aug. 7; v. 241; p. 249.
- Life-preserver support. A. Wigren. No. 1,224,819; May 1; v. 238; p. 250.
- Life-preserving belts, Apparatus for inflating. W. G. Brokaw. No. 1,226,857; May 22; v. 238; p. 1069.
- Life-preserving belts, Apparatus for inflating. W. G. Brokaw. No. 1,230,858; June 26; v. 239; p. 954.
- Life-preserving buoy. J. Bombard. No. 1,248,796; Dec. 4; v. 245; p. 110.
- Life-preserving garment. A. Nogar. No. 1,239,296; Sept. 4; v. 242; p. 185.
- Life-raft. J. J. McLaughlin. No. 1,246,129; Nov. 13; v. 244; p. 325.
- Life-raft. L. W. Myers. No. 1,229,123; June 5; v. 239; p. 252.
- Life-raft. G. F. Sweeney. No. 1,226,274; May 15; v. 238; p. 841.
- Life-saver. P. M. Bulatovich. No. 1,228,292; May 29; v. 238; p. 1579.
- Life-saving and observation device, Submarine. T. E. Burke and J. R. A. Lindholm. No. 1,215,905; Feb. 13; v. 235; p. 536.
- Life-saving belt. H. B. Rogers. No. 1,236,365; Aug. 7; v. 241; p. 265.
- Life-saving device. G. J. Hanlon. No. 1,244,325; Oct. 23; v. 243; p. 999.
- Life-saving device. K. G. Oelsner. No. 1,232,713; July 10; v. 240; p. 423.
- Life-saving device. E. L. Sons. No. 1,224,679; May 1; v. 238; p. 201.
- Life-saving device for ocean vessels. F. Bohn. No. 1,226,055; May 15; v. 238; p. 762.
- Life-saving device for ocean vessels. F. Bohn. (Reissue.) No. 14,329; July 24; v. 240; p. 1139.
- Life-saving float. J. Tortomasi. No. 1,234,826; July 31; v. 240; p. 1209.
- Life-saving raft. J. Benyak. No. 1,249,887; Dec. 11; v. 245; p. 454.
- Life-saving raft. S. Bodnar. No. 1,244,020; Oct. 23; v. 243; p. 908.
- Life-saving suit. G. Balogh. No. 1,211,042; Jan. 2; v. 234; p. 230.
- Life-saving suit. C. B. Cheek. No. 1,221,417; Apr. 3; v. 237; p. 146.
- Life-saving suit. J. Grudzenski. No. 1,220,625; Mar. 27; v. 236; p. 1060.
- Life-saving suit. G. W. Magnus and J. O'Banion. No. 1,214,478; Jan. 30; v. 234; p. 1544.
- Life-saving suits, Closure for. O. A. Youngren. No. 1,241,598; Oct. 2; v. 243; p. 43.
- Life-saving vest. M. Zawada. No. 1,222,508; Apr. 10; v. 237; p. 560.
- Lift-cages, Gripping device for. C. Rydlewski. No. 1,220,992; Mar. 27; v. 236; p. 1181.
- Lift elevator, Straight-. H. J. Buck. No. 1,248,069; Nov. 27; v. 244; p. 958.
- Lift-jack. J. H. Burkholder. No. 1,238,723; Aug. 28; v. 241; p. 1127.
- Lifter. See—
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| Automobile-lifter. | Pan and jar lifter. |
| Barrel-lifter. | Plate-lifter. |
| Cigarette-lifter. | Plate and pan lifter. |
| Clothes-lifter. | Plate or pan lifter. |
| Culinary lifter. | Stove-lid lifter. |
| Curtain-pole lifter. | Transom-lifter. |
| Dish-lifter. | Utensil-lifter. |
| Egg-lifter. | Valve-lifter. |
| Jar-lifter. | Valve-spring lifter. |
| Joist-lifter. | Vehicle-spring lifter. |
| Mop and clothes-lifter. | Vessel-lifter. |
| Fan-lifter. | Weight-lifter. |
- Lifter. E. L. Beardsley. No. 1,241,488; Oct. 2; v. 243; p. 4.
- Lifter. H. Brooks. No. 1,232,488; July 10; v. 240; p. 350.
- Lifting device. C. J. Barrenpohl. No. 1,216,541; Feb. 20; v. 235; p. 815.
- Lifting device. J. Macdonald. No. 1,223,410; Apr. 24; v. 237; p. 943.
- Lifting device. O. A. Mitchell. No. 1,244,228; Oct. 23; v. 243; p. 970.
- Lifting-jack. L. Atwell. No. 1,244,406; Oct. 23; v. 243; p. 1023.
- Lifting-jack. E. C. Bates. No. 1,230,818; June 19; v. 239; p. 902.
- Lifting-jack. H. I. Benedict. No. 1,234,606; July 24; v. 240; p. 1109.
- Lifting-jack. W. F. Boecker. No. 1,227,873; May 29; v. 238; p. 1441.
- Lifting-jack. G. C. Condit. No. 1,240,122; Sept. 11; v. 242; p. 471.
- Lifting-jack. O. Gates and H. A. Smith. No. 1,228,015; May 29; v. 238; p. 1489.
- Lifting-jack. H. H. Haselton. No. 1,220,512; Mar. 27; v. 236; p. 1020.
- Lifting-jack. I. E. Hindman and G. F. Freed. No. 1,236,081; Aug. 7; v. 241; p. 178.
- Lifting-jack. H. H. Huffman. No. 1,213,376; Jan. 23; v. 234; p. 1138.
- Lifting-jack. G. Lane. No. 1,227,915; May 29; v. 238; p. 1455.
- Lifting-jack. G. Lane. No. 1,231,623; July 3; v. 240; p. 28.
- Lifting-jack. J. R. Lowry. No. 1,250,910; Dec. 18; v. 245; p. 795.
- Lifting-jack. E. H. Marshall. No. 1,223,995; Apr. 24; v. 237; p. 1148.
- Lifting-jack. L. Mortimer. No. 1,216,157; Feb. 13; v. 235; p. 628.
- Lifting-jack. D. C. Mulvihill. No. 1,228,586; June 5; v. 239; p. 72.
- Lifting-jack. A. Neal. No. 1,239,941; Sept. 11; v. 242; p. 419.
- Lifting-jack. R. S. Noah. No. 1,227,064; May 22; v. 238; p. 1141.
- Lifting-jack. W. Pageler. No. 1,245,962; Nov. 6; v. 244; p. 247.
- Lifting-jack. C. F. Scherenzel. No. 1,223,621; Apr. 24; v. 237; p. 1019.
- Lifting-jack. H. J. Schmick. No. 1,245,622; Nov. 6; v. 244; p. 146.
- Lifting-jack. G. F. Voight. No. 1,229,550; June 12; v. 239; p. 446.
- Lifting-jack and pulling device. G. A. Piper. No. 1,213,800; Jan. 23; v. 234; p. 1282.
- Lifting-jack, Automobile. G. F. Derment. No. 1,233,322; July 17; v. 240; p. 656.
- Lifting-jack, Automobile. D. C. Mulvihill. No. 1,245,160; Nov. 6; v. 244; p. 6.

- Lifting-jack, Fluid-pressure. J. M. Meyers. No. 1,223,712; Apr. 24; v. 237; p. 1051.
- Lifting-jack for automobiles. F. L. Snively. No. 1,227,973; May 29; v. 238; p. 1476.
- Lifting-jack for automobiles or other vehicles. W. G. Miller. No. 1,227,480; May 22; v. 238; p. 1277.
- Lifting-jack mechanism for motor-vehicles. J. Oberdier. No. 1,226,242; May 15; v. 238; p. 826.
- Lifting-jack, Pneumatic. J. H. Holloway. No. 1,248,861; Dec. 4; v. 245; p. 129.
- Lifting-jack, Vehicle. M. P. Jackline. No. 1,217,001; Feb. 20; v. 235; p. 972.
- Lifting-machine. N. McKenzie. No. 1,250,478; Dec. 18; v. 245; p. 667.
- Lifting-tool. M. N. Pugh. No. 1,234,565; July 24; v. 240; p. 1097.
- Ligature, Elastic. H. W. Lakin. No. 1,237,660; Aug. 21; v. 241; p. 756.
- Light. See—
 Automobile-spotlight. Porch-light.
 Automobile tail-light. Portable light.
 Car-light. Search-light.
 Dirigible light. Self-turning light.
 Electric light. Ship's light.
 Electric flash-light. Show-case light.
 Flash-light. Spotlight.
 Headlight. Tail-light.
 Incandescent light. Vault-light.
 Pen-light. Vehicle-light.
 Pencil-light. Vehicle tail-light.
- Light and sound effects. Recording correlated. W. B. Van-size. No. 1,219,682; Mar. 20; v. 236; p. 691.
- Light-bracket. I. Berkowitz. No. 1,234,607; July 24; v. 240; p. 1109.
- Light-diffusing screens, Making. R. W. Wood. No. 1,240,398; Sept. 18; v. 242; p. 598.
- Light-dimmer. A. A. Aszman. No. 1,237,148; Aug. 14; v. 241; p. 553.
- Light-dimmer. J. P. Casey. No. 1,243,652; Oct. 16; v. 243; p. 759.
- Light effects, Means for producing colored-. G. C. Whitney. No. 1,219,514; Mar. 20; v. 236; p. 631.
- Light effects, Means for producing colored-. G. C. Whitney. No. 1,223,459; Apr. 24; v. 237; p. 959.
- Light-globe protector. H. H. Choteau. No. 1,216,074; Feb. 13; v. 235; p. 598.
- Light, heat, and massage treatment, Appliance for. E. F. Hardey. No. 1,228,669; June 5; v. 239; p. 99.
- Light-holder. E. S. Boyer. No. 1,221,664; Apr. 3; v. 237; p. 230.
- Light or voltage regulator. D. A. Eaken. No. 1,214,021; Jan. 30; v. 234; p. 1389.
- Light-projecting apparatus. R. E. Jones. No. 1,235,484; July 31; v. 240; p. 1409.
- Light-projector. H. L. Batting and H. H. Gross, Jr. No. 1,211,047; Jan. 2; v. 234; p. 231.
- Light-projector and tongue-depressor. E. I. Young. No. 1,244,819; Oct. 30; v. 243; p. 1187.
- Light-ray deflector. C. E. Mentzer. No. 1,245,006; Oct. 30; v. 243; p. 1243.
- Light-rays, Apparatus for reflecting. A. H. Adams. No. 1,223,752; Apr. 24; v. 237; p. 1066.
- Light-rays, Device for arresting. F. M. Blair and F. M. Black. No. 1,230,844; June 26; v. 239; p. 951.
- Light-reflecting-bowl hanger. C. E. Jones. No. 1,221,059; Apr. 3; v. 237; p. 19.
- Light-reflecting bowls, Device for suspending. E. L. White. No. 1,223,130; Apr. 17; v. 237; p. 816.
- Light-reflecting bowls, Hanger-link for suspending. E. L. White. No. 1,233,828; July 17; v. 240; p. 821.
- Light-regulating means. H. D. Bryant. No. 1,237,467; Aug. 21; v. 241; p. 693.
- Light-shade. M. Ronayne. No. 1,220,562; Mar. 27; v. 236; p. 1038.
- Light-shades, Protective device for. F. M. Walker. No. 1,246,509; Nov. 13; v. 244; p. 439.
- Light, sound, and analogous phenomena and process and apparatus for producing the same, Record of. C. E. Fritts. No. 1,213,613; Jan. 23; v. 234; p. 1220.
- Light-support, Automatic dirigible. J. P. Kendrick. No. 1,227,154; May 22; v. 238; p. 1172.
- Light-switch support, Dimmer-. L. L. Winters. No. 1,240,283; Sept. 18; v. 242; p. 562.
- Light-transmitting bowls, Device for suspending. J. T. Robb. No. 1,228,969; June 5; v. 239; p. 200.
- Light-transmitting bowls, Hanger for. J. T. Robb and W. E. Jerome. No. 1,245,029; Oct. 30; v. 243; p. 1250.
- Light-treatment apparatus. E. C. Feyrer. No. 1,232,908; July 10; v. 240; p. 488.
- Lighting apparatus. T. G. Griggs and A. A. Dittmar. No. 1,219,389; Mar. 13; v. 236; p. 559.
- Lighting appliance. L. Langner. No. 1,224,386; May 1; v. 238; p. 98.
- Lighting-bowl hanger. H. R. Yardley. No. 1,239,657; Sept. 11; v. 242; p. 327.
- Lighting device. E. E. Taggart. No. 1,212,711; Jan. 16; v. 234; p. 874.
- Lighting device, Semi-indirect-. A. S. Powell. No. 1,239,038; Sept. 4; v. 242; p. 102.
- Lighting-fixture. G. M. Beardslee. No. 1,239,556; Sept. 11; v. 242; p. 295.
- Lighting-fixture. J. A. Dempsey. No. 1,231,337; June 26; v. 239; p. 1116.
- Lighting-fixture. L. E. Griswold. No. 1,224,162; May 1; v. 238; p. 16.
- Lighting-fixture. E. F. Guth. No. 1,248,849; Dec. 4; v. 245; p. 125.
- Lighting-fixture. M. Herskovitz. No. 1,226,211; May 15; v. 238; p. 815.
- Lighting-fixture. F. C. Krueger. No. 1,216,819; Feb. 20; v. 235; p. 910.
- Lighting-fixture. W. Lumley. No. 1,230,737; June 19; v. 239; p. 875.
- Lighting-fixture. E. J. Meyberg. No. 1,215,299; Feb. 6; v. 235; p. 284.
- Lighting-fixture. A. Modray. No. 1,251,406; Dec. 25; v. 245; p. 990.
- Lighting-fixture. H. V. S. Negus. No. 1,215,838; Feb. 13; v. 235; p. 512.
- Lighting-fixture. H. Northwood. No. 1,247,445; Nov. 20; v. 244; p. 747.
- Lighting-fixture. H. Plant. No. 1,247,000; Nov. 20; v. 244; p. 620.
- Lighting-fixture. E. M. Smith. No. 1,230,046; June 12; v. 239; p. 607.
- Lighting-fixture. E. M. Smith. No. 1,240,505; Sept. 18; v. 242; p. 631.
- Lighting-fixture. E. M. Smith. No. 1,248,187; Nov. 27; v. 244; p. 992.
- Lighting-fixture. E. M. Smith. No. 1,249,841; Dec. 11; v. 245; p. 440.
- Lighting-fixture. M. P. Stevens. No. 1,226,717; May 22; v. 238; p. 1021.
- Lighting-fixture. E. C. White. No. 1,211,651; Jan. 9; v. 234; p. 470.
- Lighting-fixture globe or shade holder. L. Leicht. No. 1,214,933; Feb. 6; v. 235; p. 158.
- Lighting-fixture, Candle-cup for. W. R. Kahns. No. 1,233,882; July 17; v. 240; p. 839.
- Lighting-fixture, Socket connection for. E. L. White. No. 1,233,829; July 17; v. 240; p. 822.
- Lighting implement. J. Hages. No. 1,235,465; July 31; v. 240; p. 1404.
- Lighting mechanism for machine-tables. C. A. Hinsdill. No. 1,229,458; June 12; v. 239; p. 414.
- Lighting or heating apparatus. G. Dalén. No. 1,213,159; Jan. 23; v. 234; p. 1061.
- Lighting plant, Incandescent-. G. Dalén. No. 1,213,463; Jan. 23; v. 234; p. 1169.
- Lighting system. J. B. Dalbey. No. 1,216,662; Feb. 20; v. 235; p. 856.
- Lighting system. J. W. Jepson. No. 1,236,180; Aug. 7; v. 241; p. 209.
- Lighting system. A. E. Twiddy and J. Stally. No. 1,241,585; Oct. 2; v. 243; p. 39.
- Lighting system for doorways, Automatic. G. B. Kohler. No. 1,243,530; Oct. 16; v. 243; p. 722.
- Lighting unit. P. S. Bailey. No. 1,240,644; Sept. 18; v. 242; p. 672.
- Lightning-arrester. F. H. Burkhart. No. 1,246,712; Nov. 13; v. 244; p. 499.
- Lightning-arrester. A. Chernyshoff. No. 1,211,822; Jan. 9; v. 234; p. 530.
- Lightning-arrester. A. Chernyshoff. No. 1,212,129; Jan. 9; v. 234; p. 636.
- Lightning-arrester. D. C. Davis. No. 1,212,746; Jan. 16; v. 234; p. 886.
- Lightning-arrester. R. B. Dyer. No. 1,251,194; Dec. 25; v. 245; p. 928.
- Lightning-arrester. R. P. Jackson. No. 1,215,540; Feb. 13; v. 235; p. 404.
- Lightning-arrester. R. P. Jackson. No. 1,217,452; Feb. 27; v. 235; p. 1172.
- Lightning-arrester. R. H. Manson. No. 1,236,584; Aug. 14; v. 241; p. 371.
- Lightning-arrester. D. T. May. No. 1,242,014; Oct. 2; v. 243; p. 174.
- Lightning-arrester. F. B. Wiegand. No. 1,223,916; Apr. 24; v. 237; p. 1122.
- Lightning-arrester and thermal protector, Combined. F. R. Parker. No. 1,238,728; Aug. 28; v. 241; p. 1129.
- Lightning-arrester for telephones. L. H. Pierson and H. C. Willitz. No. 1,222,461; Apr. 10; v. 237; p. 543.
- Lightning-arrester, Multiple. W. S. Lewis. No. 1,249,429; Dec. 11; v. 245; p. 319.
- Lightning-arrester, Vacuum. D. T. May. No. 1,244,528; Oct. 30; v. 243; p. 1097.
- Lightning-conductors, System of. G. A. Mullen. No. 1,244,118; Oct. 23; v. 243; p. 936.
- Lightning-rod connector. W. F. Russell. No. 1,216,170; Feb. 13; v. 235; p. 633.
- Lightning-rod structure. J. E. Curti. No. 1,214,652; Feb. 6; v. 235; p. 60.
- Lignite and the like, Treatment of. T. Rigby. No. 1,219,155; Mar. 13; v. 236; p. 478.
- Limb, Artificial. W. M. Eisen. No. 1,211,423; Jan. 9; v. 234; p. 393.
- Limb, Artificial. P. Feltes. No. 1,224,368; May 1; v. 238; p. 91.
- Limb, Artificial. J. T. Hagey. No. 1,215,268; Feb. 6; v. 235; p. 274.
- Limb, Artificial. H. W. Karn. No. 1,244,612; Oct. 30; v. 243; p. 1123.
- Limb, Artificial. L. C. Lawrence. No. 1,213,114; Jan. 16; v. 234; p. 1013.

Alphabetical list of inventions—Continued.

- Limb, Artificial. M. Michajlov. No. 1,215,835; Feb. 13; v. 235; p. 511.
- Limbs, Making artificial. A. F. Winkley. No. 1,219,613; Mar. 20; v. 236; p. 667.
- Lime and cement from combustion residues of sewage, canal-sludge, or the like, Production of hydraulic. J. Elsner. No. 1,220,735; Mar. 27; v. 236; p. 1096.
- Lime, Hydrating. W. E. Carson. No. 1,239,256; Sept. 4; v. 242; p. 173.
- Lime, Slaking. W. E. Carson. No. 1,244,421; Oct. 23; v. 243; p. 1027.
- Lime-slaking machine. M. Dorman. No. 1,228,190; May 29; v. 238; p. 1546.
- Lime-spreader attachment. J. Porcher. No. 1,247,001; Nov. 20; v. 244; p. 620.
- Limekiln. P. J. Dauernheim. No. 1,240,950; Sept. 25; v. 242; p. 801.
- Line appliance. O. J. Lofquist. No. 1,215,391; Feb. 13; v. 235; p. 351.
- Line, Artificial. R. S. Hoyt. No. 1,240,213; Sept. 18; v. 242; p. 540.
- Line-casting-machine mold. T. S. Homans. No. 1,225,632; May 8; v. 238; p. 576.
- Line-casting machines, Matrix for. J. L. Rousseau. No. 1,231,944; July 3; v. 240; p. 137.
- Line-casting machines, Slug-ejecting mechanism for. B. F. Bellows. No. 1,250,419; Dec. 18; v. 245; p. 649.
- Line-casting machines, Space-band for. J. L. Webb. No. 1,210,741; Jan. 2; v. 234; p. 126.
- Line-finder system. A. E. Lundell. No. 1,247,976; Nov. 27; v. 244; p. 934.
- Line-holder. M. Smollk. No. 1,223,908; Apr. 24; v. 237; p. 1119.
- Line knottor and tightener. J. A. Anderson. No. 1,237,599; Aug. 21; v. 241; p. 736.
- Line-reel. D. McNamara. No. 1,212,376; Jan. 16; v. 234; p. 763.
- Line-space lock and release. H. A. Foothorap. No. 1,236,420; Aug. 14; v. 241; p. 317.
- Line-space mechanism. A. C. Roebuck. No. 1,243,110; Oct. 16; v. 243; p. 597.
- Line-spacer. C. E. Sampson. No. 1,241,026; Sept. 25; v. 242; p. 825.
- Line-support. T. R. Lott. No. 1,220,654; Mar. 27; v. 236; p. 1069.
- Line-type-casting machine. L. I. Wilmans. No. 1,238,972; Sept. 4; v. 242; p. 81.
- Line-wire support. V. Head. No. 1,247,531; Nov. 20; v. 244; p. 771.
- Liner, Adjustable. C. A. Spickler. No. 1,241,675; Oct. 2; v. 243; p. 66.
- Liner, Adjustable. C. A. Spickler. No. 1,241,676; Oct. 2; v. 243; p. 66.
- Lining-machine. S. R. Parry. No. 1,242,720; Oct. 9; v. 243; p. 439.
- Lining-machine. S. R. Parry. No. 1,242,970; Oct. 16; v. 243; p. 552.
- Lining, marking, copying, or other indicating guide. M. E. Fitch. No. 1,215,136; Feb. 6; v. 235; p. 227.
- Lineman's device. V. Jackson. No. 1,223,791; Apr. 24; v. 237; p. 1080.
- Lineman's shield. F. K. Singer. No. 1,224,970; May 8; v. 238; p. 352.
- Lineman's tool. H. E. Cator. No. 1,233,980; July 17; v. 240; p. 871.
- Lingerie-clasp. E. Palter. No. 1,217,125; Feb. 20; v. 235; p. 1014.
- Lingerie-clasp. A. L. Sawyer. No. 1,233,609; July 17; v. 240; p. 754.
- Link connection. A. C. Roebuck. No. 1,217,640; Feb. 27; v. 235; p. 1240.
- Link, Finger-. H. F. Ellard. No. 1,244,303; Oct. 23; v. 243; p. 993.
- Link, Fusible. W. H. Carel. No. 1,239,878; Sept. 11; v. 242; p. 400.
- Link, Fusible. L. M. Lewis. No. 1,244,106; Oct. 23; v. 243; p. 933.
- Link, Fusible. J. W. Yates. No. 1,221,497; Apr. 3; v. 237; p. 174.
- Link mat. W. Woodward. No. 1,222,707; Apr. 17; v. 237; p. 671.
- Link-mesh fabric. W. Fuhrmann. No. 1,231,345; June 26; v. 239; p. 1118.
- Link-motion. B. V. Nordberg. No. 1,239,297; Sept. 4; v. 242; p. 185.
- Link reverse, Single-eccentric. V. Lawrence. No. 1,234,481; July 24; v. 240; p. 1070.
- Linoleum-like substance and making the same. S. Satow. No. 1,245,978; Nov. 6; v. 244; p. 250.
- Linoleum-machines, Spindle for the ejectors of. L. T. Weiss. No. 1,217,248; Feb. 27; v. 235; p. 1100.
- Linoleum, Manufacture of. L. E. Barton and H. A. Gardner. No. 1,236,367; Aug. 7; v. 241; p. 266.
- Linoleum product and making the same. J. W. Wear. No. 1,228,997; June 5; v. 239; p. 209.
- Linotype-casting mechanism. L. and C. L. Friel. No. 1,225,706; May 8; v. 238; p. 600.
- Linotype-machine. M. French. No. 1,246,901; Nov. 20; v. 244; p. 592.
- Linotype-machine matrix. A. Kálmán. No. 1,211,946; Jan. 9; v. 234; p. 576.
- Linotype-machine mold. H. Petersen. No. 1,248,906; Dec. 4; v. 245; p. 141.
- Linotype-machines, Driving mechanism for. A. J. Cline. No. 1,222,265; Apr. 10; v. 237; p. 474.
- Linotype-machines, Molding mechanism for. H. Petersen. No. 1,245,265; Nov. 6; v. 244; p. 37.
- Linotype-machines, Pig-feeding apparatus for. G. E. Marlatt. No. 1,215,677; Feb. 13; v. 235; p. 456.
- Linotype-machines, Slug-trimmer for. H. Petersen. No. 1,231,784; July 3; v. 240; p. 83.
- Linotype-machines, Type-casting mechanism for. G. E. Marlatt. No. 1,249,158; Dec. 4; v. 245; p. 210.
- Linotype-magazine rack. S. W. Chesnutt. No. 1,234,872; July 31; v. 240; p. 1224.
- Linotype-magazine support. R. S. McCarter. No. 1,229,106; June 5; v. 239; p. 246.
- Linotype or slug-casting machine. J. W. Graham. No. 1,229,606; June 12; v. 239; p. 465.
- Linotype-slugs, Duplex mold-liner for. D. M. Jones. No. 1,243,527; Oct. 16; v. 243; p. 721.
- Linotype-slugs, Apparatus for producing rules on. E. M. Low. No. 1,236,957; Aug. 14; v. 241; p. 494.
- Lintel. F. Heath. No. 1,244,328; Oct. 23; v. 243; p. 1000.
- Lip-slitting mechanism. A. E. Johnson. No. 1,243,944; Oct. 23; v. 243; p. 885.
- Lip-stick holder. W. G. Kendall. No. 1,236,846; Aug. 14; v. 241; p. 457.
- Lip-turner. E. A. Webster. No. 1,219,792; Mar. 20; v. 236; p. 729.
- Lipoidlike, blood-clotting substance and making same. A. Fonio and W. Föhrenbach. No. 1,240,694; Sept. 18; v. 242; p. 688.
- Liquid and solid materials, Purification of. E. J. M. Janvier. No. 1,214,166; Jan. 30; v. 234; p. 1437.
- Liquid, Apparatus for supplying receptacles with. L. A. Hufferd. No. 1,241,982; Oct. 2; v. 243; p. 163.
- Liquid-applying device. J. C. Gooch. No. 1,242,174; Oct. 9; v. 243; p. 265.
- Liquid-carrying and level-indicating device. T. A. Long. No. 1,242,215; Oct. 9; v. 243; p. 278.
- Liquid-circulating apparatus and process. C. W. McCoy. No. 1,219,570; Mar. 20; v. 236; p. 653.
- Liquid-cooling apparatus. B. H. Sharp and F. J. Bender. No. 1,248,179; Nov. 27; v. 244; p. 990.
- Liquid-delivering device. A. W. Wheaton. No. 1,230,356; June 19; v. 239; p. 750.
- Liquid-discharging apparatus. E. Hurlbrink. No. 1,243,298; Oct. 16; v. 243; p. 653.
- Liquid-dispenser. E. S. Barker. No. 1,216,199; Feb. 13; v. 235; p. 642.
- Liquid-dispenser. R. R. Rogers. No. 1,251,288; Dec. 25; v. 245; p. 956.
- Liquid-dispenser. W. F. Wagner. No. 1,249,565; Dec. 11; v. 245; p. 359.
- Liquid-dispensing apparatus. T. S. Bruce. No. 1,218,925; Mar. 13; v. 236; p. 401.
- Liquid-dispensing apparatus. S. Cooper. No. 1,236,912; Aug. 14; v. 241; p. 478.
- Liquid-dispensing apparatus. H. S. Cornish. No. 1,212,186; Jan. 16; v. 234; p. 684.
- Liquid-dispensing apparatus. K. L. Dieterle. No. 1,228,758; June 5; v. 239; p. 131.
- Liquid-dispensing apparatus. C. Doering, Jr. No. 1,210,612; Jan. 2; v. 234; p. 80.
- Liquid-dispensing apparatus. C. Doering, Jr. No. 1,241,353; Sept. 25; v. 242; p. 928.
- Liquid-dispensing apparatus. D. W. Flint. No. 1,231,006; June 26; v. 239; p. 1006.
- Liquid-fuel-dispensing apparatus. E. N. Kern. No. 1,210,811; Jan. 2; v. 234; p. 149.
- Liquid-fuel-dispensing apparatus. E. N. Kern. No. 1,210,812; Jan. 2; v. 234; p. 149.
- Liquid-dispensing apparatus. G. H. Koester. No. 1,233,794; July 17; v. 240; p. 810.
- Liquid-dispensing apparatus. A. Schmid. No. 1,234,939; July 31; v. 240; p. 1246.
- Liquid-dispensing apparatus, Recording attachment for a. A. F. Wiley. No. 1,222,502; Apr. 10; v. 237; p. 557.
- Liquid-dispensing can. N. H. Bullard. No. 1,242,137; Oct. 9; v. 243; p. 253.
- Liquid-dispensing device. O. P. Canaday. No. 1,221,288; Apr. 3; v. 237; p. 102.
- Liquid-dispensing device. W. A. Cotnam. No. 1,250,976; Dec. 25; v. 245; p. 864.
- Liquid-dispensing device. C. Jr., and H. H. Doering. No. 1,225,418; May 8; v. 238; p. 505.
- Liquid-dispensing device. C. Jr., and H. H. Doering. No. 1,240,830; Sept. 25; v. 242; p. 764.
- Liquid-dispensing device. C. Jr., and H. H. Doering. No. 1,246,565; Nov. 13; v. 244; p. 456.
- Liquid-dispensing device. R. W. Lloyd. No. 1,229,105; June 5; v. 239; p. 245.
- Liquid-dispensing device. W. C. Morrill. No. 1,235,913; Aug. 7; v. 241; p. 126.
- Liquid-dispensing device. J. A. Price. No. 1,251,281; Dec. 25; v. 245; p. 953.
- Liquid-dispensing machine, Automatic. B. Abernathy. No. 1,229,852; June 12; v. 239; p. 547.
- Liquid-dispensing measure. E. Crouse. No. 1,248,818; Dec. 4; v. 245; p. 117.
- Liquid-dispensing vessel. W. Elsner. No. 1,227,125; May 22; v. 238; p. 1162.
- Liquid-dispensing vessel. L. G. Langstaff. No. 1,250,598; Dec. 18; v. 245; p. 703.

- Liquid-drawing apparatus. M. E. Curl. No. 1,221,293; Apr. 3; v. 237; p. 103.
- Liquid-elevating apparatus. W. Jay. No. 1,244,052; Oct. 23; v. 243; p. 917.
- Liquid-elevating apparatus. F. J. McGuane. No. 1,221,069; Apr. 3; v. 237; p. 23.
- Liquid-elevating apparatus. E. O'Sullivan. No. 1,229,781; June 12; v. 239; p. 522.
- Liquid-elevator. F. J. McGuane. No. 1,221,070; Apr. 3; v. 237; p. 23.
- Liquid-feed system. C. L. Stokes. No. 1,230,537; June 19; v. 239; p. 809.
- Liquid-feed system. C. L. Stokes. No. 1,230,596; June 19; v. 239; p. 830.
- Liquid-feeding apparatus. W. Jay. (Reissue.) No. 1,4353; Sept. 11; v. 242; p. 487.
- Liquid-feeding apparatus and method therefor. Vacuum. C. L. Stokes. No. 1,230,832; June 19; v. 239; p. 906.
- Liquid-feeding device. L. E. Baltzley. No. 1,220,929; Mar. 27; v. 236; p. 1160.
- Liquid-filling and gaging device. D. A. Eaken. No. 1,216,786; Feb. 20; v. 235; p. 899.
- Liquid-flows in conduits. Apparatus for admitting air to. A. C. Caldwell. No. 1,238,103; Aug. 28; v. 241; p. 929.
- Liquid from materials. Apparatus for expressing. J. W. Hinchley. No. 1,222,209; Apr. 10; v. 237; p. 454.
- Liquid from peat. Expressing. J. W. Hinchley. No. 1,222,210; Apr. 10; v. 237; p. 454.
- Liquid fuel. W. A. Hall. No. 1,239,100; Sept. 4; v. 242; p. 122.
- Liquid-fuel burner. G. A. P. Bellon. No. 1,238,089; Aug. 28; v. 241; p. 924.
- Liquid-fuel burner. W. N. Best. No. 1,232,756; July 10; v. 240; p. 439.
- Liquid-fuel burner. H. A. Davis. No. 1,223,478; Apr. 24; v. 237; p. 967.
- Liquid-fuel burner. C. T. Edmonds. No. 1,226,871; May 22; v. 238; p. 1075.
- Liquid-fuel burner. P. D. Johnson. No. 1,225,716; May 8; v. 238; p. 603.
- Liquid-fuel burner. W. Welshausen. No. 1,250,060; Dec. 11; v. 245; p. 502.
- Liquid-fuel burner. W. A. Wilson. No. 1,232,878; July 10; v. 240; p. 477.
- Liquid-fuel burners. Igniter for. N. C. Chapman. No. 1,227,245; May 22; v. 238; p. 1203.
- Liquid-fuel-burning apparatus. C. Ellis. No. 1,216,096; Feb. 13; v. 235; p. 606.
- Liquid-fuel-burning apparatus. G. R. Pimlott. No. 1,247,147; Nov. 20; v. 244; p. 662.
- Liquid-fuel-feeding device. Vacuum-operated. E. R. Hawley. No. 1,216,992; Feb. 20; v. 235; p. 968.
- Liquid-fuel heater. H. N. Whittelsey. No. 1,219,515; Mar. 20; v. 236; p. 632.
- Liquid-fuel heater. H. N. Whittelsey. No. 1,219,516; Mar. 20; v. 236; p. 632.
- Liquid-fuel or oil burner. J. R. Green. No. 1,232,026; July 3; v. 240; p. 165.
- Liquid-fuel reservoir. C. Laurenti. No. 1,219,115; Mar. 13; v. 236; p. 465.
- Liquid-gage. H. D. Flegel. (Reissue.) No. 1,4314; June 5; v. 239; p. 286.
- Liquid-gage. R. Kirkwood. No. 1,224,752; May 1; v. 238; p. 227.
- Liquid-gage. T. Nakamigawa. No. 1,247,317; Nov. 20; v. 244; p. 710.
- Liquid-heater. F. Poole. No. 1,210,691; Jan. 2; v. 234; p. 109.
- Liquid-heater. F. Poole. No. 1,213,254; Jan. 23; v. 234; p. 1095.
- Liquid-heater. F. Poole. No. 1,215,703; Feb. 13; v. 235; p. 465.
- Liquid-heating apparatus. J. O. Lundberg. No. 1,215,041; Feb. 6; v. 235; p. 198.
- Liquid-level gage. T. Walker. No. 1,250,056; Dec. 11; v. 245; p. 501.
- Liquid-level indicator. H. Hueber. No. 1,241,384; Sept. 25; v. 242; p. 938.
- Liquid-level indicator. R. Powers. No. 1,224,786; May 1; v. 238; p. 238.
- Liquid-level-regulating device. F. P. Illsley. No. 1,227,539; May 22; v. 238; p. 1297.
- Liquid-level regulator. A. De Khotinsky. No. 1,225,416; May 8; v. 238; p. 504.
- Liquid-levels. Alarm device for. A. Cohen. No. 1,222,183; Apr. 10; v. 237; p. 445.
- Liquid-measuring apparatus. A. B. Wallem. No. 1,218,726; Mar. 13; v. 236; p. 328.
- Liquid-meter. E. G. Bailey. No. 1,243,682; Oct. 23; v. 243; p. 800.
- Liquid-meter. E. G. Bailey. No. 1,243,683; Oct. 23; v. 243; p. 800.
- Liquid-meter. W. W. Hamill. No. 1,221,726; Apr. 3; v. 237; p. 251.
- Liquid-metering tank. N. M. Rosendahl. No. 1,210,988; Jan. 2; v. 234; p. 211.
- Liquid mixtures. Electro-osmotic treating of. B. Schwerin. No. 1,235,063; July 31; v. 240; p. 1284.
- Liquid or gaseous fuel burner. E. F. Stewart. No. 1,231,447; June 26; v. 239; p. 1153.
- Liquid-projecting apparatus. T. R. Arden. No. 1,223,655; Apr. 24; v. 237; p. 1330.
- Liquid-purifying composition. A. H. Krieger. No. 1,212,648; Jan. 16; v. 234; p. 851.
- Liquid-raising apparatus. P. E. Schutt. No. 1,249,521; Dec. 11; v. 245; p. 346.
- Liquid, Raising or forcing. H. A. Humphrey. No. 1,214,791; Feb. 6; v. 235; p. 107.
- Liquid, Raising or forcing. H. A. Humphrey. No. 1,224,380; May 1; v. 238; p. 95.
- Liquid raising or forcing apparatus. H. A. Humphrey. No. 1,214,792; Feb. 6; v. 235; p. 107.
- Liquid-receptacle. P. Cogorno. No. 1,245,567; Nov. 6; v. 244; p. 129.
- Liquid-separator. Continuous. O. H. Nonnenbruch. No. 1,236,746; Aug. 14; v. 241; p. 426.
- Liquid-storage apparatus. L. A. Mapel. No. 1,247,855; Nov. 27; v. 244; p. 900.
- Liquid-straining apparatus. J. F. Fitch and F. C. Stephens. No. 1,235,672; Aug. 7; v. 241; p. 45.
- Liquid-treating apparatus. K. W. Bartlett. No. 1,233,016; July 10; v. 240; p. 521.
- Liquid-treating apparatus. K. W. Bartlett. No. 1,233,017; July 10; v. 240; p. 521.
- Liquid-treating apparatus. A. Jensen. No. 1,213,879; Jan. 30; v. 234; p. 1339.
- Liquid, Unindammable and electrically-insulating. G. Lépine. No. 1,235,339; July 31; v. 240; p. 1368.
- Liquid, Utilizing an expansive force in forcing or raising. H. A. Humphrey. No. 1,224,644; May 1; v. 238; p. 188.
- Liquid-weighting mechanism. W. I. Staaf. No. 1,239,839; Sept. 11; v. 242; p. 386.
- Liquids, Air system for forcing. C. A. Waitz. No. 1,221,637; Apr. 3; v. 237; p. 220.
- Liquids and gases. Apparatus for refining. J. N. Wingett. No. 1,229,189; June 5; v. 239; p. 274.
- Liquids and gases. Mutual treatment of. F. E. Coombs. No. 1,217,156; Feb. 27; v. 235; p. 1069.
- Liquids, Apparatus for supplying receptacles with. L. A. Hufford. No. 1,249,404; Dec. 11; v. 245; p. 312.
- Liquids, Arrangement for homogenizing. W. G. Schröder. No. 1,237,222; Aug. 14; v. 241; p. 576.
- Liquids by centrifugal force. Separation of impurities from. J. Hamill. No. 1,224,164; May 1; v. 238; p. 17.
- Liquids, Centrifugal apparatus for cleansing. R. A. Sloan and J. E. L. Barnes. No. 1,239,734; Sept. 11; v. 242; p. 352.
- Liquids, Coin-operated mechanism for dispensing. H. J. Wykle. No. 1,219,894; Mar. 20; v. 236; p. 764.
- Liquids, Concentrating. M. K. Serailian. No. 1,237,962; Aug. 21; v. 241; p. 850.
- Liquids containing solids. Changing the consistency of. I. S. Merrell. No. 1,225,348; May 8; v. 238; p. 481.
- Liquids, Distributing. A. G. Eneas. No. 1,239,168; Sept. 4; v. 242; p. 143.
- Liquids, Electrochemical treatment of. C. P. Landreth. No. 1,222,637; Apr. 17; v. 237; p. 647.
- Liquids, Feed control for. W. T. Kuncie. No. 1,218,002; Mar. 6; v. 236; p. 40.
- Liquids from solids in fluid suspensions. Apparatus for separating. A. L. Blomfield. No. 1,237,745; Aug. 21; v. 241; p. 784.
- Liquids from solids. Process of and apparatus for the continuous separation of. H. C. Behr. No. 1,241,905; Oct. 2; v. 243; p. 140.
- Liquids from solids. Separating. H. A. Herr. No. 1,212,638; Jan. 16; v. 234; p. 847.
- Liquids from vessels. Apparatus for discharging. D. B. Morison. No. 1,232,370; July 3; v. 240; p. 278.
- Liquids in definite quantities. Means for dispensing. S. J. Asbell. No. 1,242,414; Oct. 9; v. 243; p. 341.
- Liquids, Means for indicating at a distance the level of. V. Suchanek. No. 1,231,964; July 3; v. 240; p. 143.
- Liquids, Method and apparatus for concentrating. T. C. Oliver. No. 1,240,591; Sept. 18; v. 242; p. 656.
- Liquids radio-active. Rendering. S. Saubermann. No. 1,236,213; Aug. 7; v. 241; p. 221.
- Liquids, Raising and forcing. H. A. Humphrey. No. 1,243,297; Oct. 16; v. 243; p. 652.
- Liquids, Separating mixtures of. E. I. Dyer and A. R. Heise. No. 1,242,784; Oct. 9; v. 243; p. 459.
- Liquids, Separating the component parts of. E. J. Sheehan. No. 1,211,361; Jan. 2; v. 234; p. 336.
- Liquids, Separating the constituents of. W. A. Schmidt and L. Bradley. No. 1,232,595; July 3; v. 240; p. 285.
- Liquids, System for controlling the levels of. O. M. Jones. No. 1,227,540; May 22; v. 238; p. 1297.
- Liquids, Treating. F. R. Bachler and W. B. Newkirk. No. 1,244,012; Oct. 23; v. 243; p. 905.
- Liquids, Treating. F. D. Crane. No. 1,223,153; Apr. 17; v. 237; p. 825.
- Liquids used for separating solids of different specific gravities. Recovering. A. Nagelvoort. No. 1,244,884; Oct. 30; v. 243; p. 1206.
- Liquids with gases. Apparatus for treating. M. H. Ittner. No. 1,242,445; Oct. 9; v. 243; p. 350.
- Liquor, Treating waste. E. H. Wright and J. F. Oakleaf. No. 1,236,031; Aug. 7; v. 241; p. 165.
- Liquors. Treatment of certain. F. A. Monroe, Jr. No. 1,236,097; Aug. 7; v. 241; p. 183.
- Lister. G. R. Hart. No. 1,235,992; Aug. 7; v. 241; p. 119.
- Lister. C. Labs. No. 1,221,192; Apr. 3; v. 237; p. 68.
- Lithographic dampening mechanism. C. Henderson. No. 1,231,737; July 3; v. 240; p. 68.

Alphabetical list of inventions—Continued.

- Lithographic plates, Making. S. A. Neidich. No. 1,245,119; Oct. 30; v. 243; p. 1277.
- Lithography. S. A. Neidich. No. 1,245,120; Oct. 30; v. 243; p. 1277.
- Litter. M. L. Blatt. No. 1,231,989; July 3; v. 240; p. 151.
- Litter-carrier. W. Gutenkunst. No. 1,215,523; Feb. 13; v. 235; p. 398.
- Litter-carrier. R. Pronk. No. 1,244,368; Oct. 23; v. 243; p. 1011.
- Litter-carriers, Track-support for. W. D. James. No. 1,250,182; Dec. 18; v. 245; p. 578.
- Lixiviator. J. M. Witmer. No. 1,238,469; Aug. 28; v. 241; p. 1049.
- Load-binder. G. H. Behrend. No. 1,224,059; Apr. 24; v. 237; p. 1170.
- Load-binder. P. Borg. No. 1,243,247; Oct. 16; v. 243; p. 637.
- Load-binding machine. R. S. Maxwell. No. 1,245,607; Nov. 6; v. 244; p. 141.
- Load brake, Variable. W. V. Turner and E. H. Dewson. No. 1,230,949; June 26; v. 239; p. 985.
- Load-controller for motor-vehicles. F. J. Troll. No. 1,227,504; May 22; v. 238; p. 1285.
- Load despatching and delivering apparatus, Automatic. C. S. Jennings. No. 1,244,856; Oct. 30; v. 243; p. 1197.
- Load-distributor. F. S. Schlegelmilch. No. 1,228,974; June 5; v. 239; p. 202.
- Load-distributor, Electric. J. E. King. No. 1,226,534; May 15; v. 238; p. 922.
- Load-handling apparatus. G. Kellgren. No. 1,243,074; Oct. 16; v. 243; p. 587.
- Load-hook. E. Y. Moore. No. 1,227,171; May 22; v. 238; p. 1178.
- Load-indicator for motor-vehicles and the like. F. J. Troll. No. 1,227,503; May 22; v. 238; p. 1285.
- Load-indicator for vehicles. F. J. Troll. No. 1,227,505; May 22; v. 238; p. 1286.
- Load-indicator for vehicles. F. J. Troll. No. 1,227,506; May 22; v. 238; p. 1286.
- Load-indicator, Vehicle. A. C. Wollensak. No. 1,225,094; May 8; v. 238; p. 394.
- Load-regulating system. W. L. Waters. No. 1,242,284; Oct. 9; v. 243; p. 299.
- Load-transfer apparatus. T. S. Miller and L. G. Rugles. No. 1,228,344; May 29; v. 238; p. 1597.
- Loader. E. Brown. No. 1,244,024; Oct. 23; v. 243; p. 909.
- Loader. L. Febre. No. 1,247,805; Nov. 27; v. 244; p. 886.
- Loader. A. M. Gow and F. E. Keese. No. 1,223,578; Apr. 24; v. 237; p. 1002.
- Loader. V. G. Halby. No. 1,244,199; Oct. 23; v. 243; p. 960.
- Loader, Automatic. C. A. Perfect. No. 1,218,580; Mar. 6; v. 236; p. 239.
- Loader, Portable. L. W. Morter. No. 1,222,973; Apr. 17; v. 237; p. 762.
- Loading and storing apparatus. F. L. Stuart. No. 1,241,053; Sept. 25; v. 242; p. 833.
- Loading and unloading device. D. G. Harris and G. O. Mason. No. 1,240,713; Sept. 18; v. 242; p. 693.
- Loading apparatus. H. Bloomer. No. 1,246,856; Nov. 20; v. 244; p. 579.
- Loading apparatus. M. Bouzo. No. 1,221,504; Apr. 3; v. 237; p. 177.
- Loading apparatus. L. F. Brown. No. 1,216,206; Feb. 13; v. 235; p. 645.
- Loading apparatus. J. F. Collier. No. 1,213,077; Jan. 16; v. 234; p. 999.
- Loading apparatus for powdered materials and the like. C. H. Polk. No. 1,211,348; Jan. 2; v. 234; p. 332.
- Loading device. W. H. Compton. No. 1,245,875; Nov. 6; v. 244; p. 222.
- Loading device. S. W. Hytrek. No. 1,249,100; Dec. 4; v. 245; p. 194.
- Loading-machine. E. E. Everson. No. 1,249,054; Dec. 4; v. 245; p. 181.
- Loading-machine. C. F. Fifield. No. 1,222,277; Apr. 10; v. 237; p. 478.
- Loading-machine. B. P. Hanson and N. I. Nelson. No. 1,229,262; June 12; v. 239; p. 348.
- Loading-machine. N. D. Levin. No. 1,246,762; Nov. 13; v. 244; p. 514.
- Loading-machine. L. J. Slifer. No. 1,244,381; Oct. 23; v. 243; p. 1014.
- Loading-platform, Movable. J. C. A. Anderson. No. 1,247,781; Nov. 27; v. 244; p. 879.
- Loading-section irregularities in transmission-lines, Method of and means for correcting. J. Mills and R. S. Hoyt. No. 1,219,760; Mar. 20; v. 236; p. 717.
- Loaf loading and spacing device. E. A. Clark. No. 1,237,299; Aug. 21; v. 241; p. 638.
- Lobster-crusher. E. B. Parkhurst. No. 1,219,857; Mar. 20; v. 236; p. 751.
- Lock: See—
- Article-lock. Automobile-control lock.
- Auto-lock. Automobile current-lock.
- Automatic lock. Automobile-door lock.
- Automobile-lock. Automobile gas-lock.
- Automobile-brake lock. Automobile-hood lock.
- Lock: See—Continued.
- Automobile-pedal lock.
- Automobile permutation-lock.
- Automobile steering-control lock.
- Automobile-steering-gear lock.
- Automobile-steering-wheel lock.
- Bicycle-lock.
- Bicycle-stand lock.
- Bolt-lock.
- Bolt and nut lock.
- Box-lock.
- Bracelet-lock.
- Burglar-alarm lock.
- Car-door lock.
- Car-toilet lock.
- Carbureter-lock.
- Chain-lock.
- Check-lock.
- Coin-controlled lock.
- Combination-lock.
- Couch-lock.
- Crate-top lock.
- Cue-lock.
- Cut-off lock.
- Cylinder-lock.
- Damper-lock.
- Door-lock.
- Door and window lock.
- Drawer-lock.
- Electric lock.
- Elevated-carrier lock.
- Elevator-lock.
- Elevator-control lock.
- Elevator-door lock.
- Elevator safety-lock.
- Emergency-lock.
- Frame corner-lock.
- Galley-lock.
- Gate-lock.
- Gear-lock.
- Gun-lock.
- Handle-lock.
- Hasp-lock.
- Hinge-lock.
- Hose-coupling lock.
- Journal-box lock.
- Keyless lock.
- Knob-lock.
- Ladder-lock.
- Lamp-lock.
- Lamp-socket lock.
- Lap-robe lock.
- Lock. J. M. Alexander. No. 1,232,165; July 3; v. 240; p. 212.
- Lock. C. E. Bayles. No. 1,249,710; Dec. 11; v. 245; p. 401.
- Lock. M. H. Benson. No. 1,223,928; Apr. 24; v. 237; p. 1126.
- Lock. G. J. Bertram and F. E. Nitzsche. No. 1,246,383; Nov. 13; v. 244; p. 402.
- Lock. F. Blankavag. No. 1,221,132; Apr. 3; v. 237; p. 45.
- Lock. A. Bouchery. No. 1,215,470; Feb. 13; v. 235; p. 377.
- Lock. W. E. Bowl. No. 1,213,451; Jan. 23; v. 234; p. 1164.
- Lock. T. M. Brintwall and W. E. Swalm. No. 1,251,177; Dec. 25; v. 245; p. 923.
- Lock. E. A. Christoph. No. 1,244,450; Oct. 23; v. 243; p. 1036.
- Lock. J. Damiani. No. 1,219,707; Mar. 20; v. 236; p. 700.
- Lock. L. Ehrlich. No. 1,229,731; June 12; v. 239; p. 505.
- Lock. E. G. Eldridge. No. 1,250,997; Dec. 25; v. 245; p. 871.
- Lock. E. G. Eldridge. No. 1,250,996; Dec. 25; v. 245; p. 871.
- Lock. J. Forsheim and J. Konigsberg. No. 1,219,931; Mar. 20; v. 236; p. 778.
- Lock. E. E. Gage. No. 1,249,738; Dec. 11; v. 245; p. 409.
- Lock. J. H. Gilbert. No. 1,240,838; Sept. 25; v. 242; p. 767.
- Lock. J. H. Gilbert. No. 1,240,839; Sept. 25; v. 242; p. 767.
- Lock. M. E. Gonsalves. No. 1,227,425; May 22; v. 238; p. 1258.
- Lock. L. Goshie. No. 1,246,588; Nov. 13; v. 244; p. 464.
- Lock. W. Gross. No. 1,222,545; Apr. 10; v. 237; p. 573.
- Lock. A. Grudowski and S. Sztonnnewsky. No. 1,228,109; May 29; v. 238; p. 1522.
- Lock. M. Halvorson. No. 1,221,534; Apr. 3; v. 237; p. 187.
- Lock. A. D. Heath. No. 1,247,532; Nov. 20; v. 244; p. 772.
- Lock. H. J. Hick. No. 1,232,034; July 3; v. 240; p. 168.
- Lock. J. F. Ives. No. 1,210,807; Jan. 2; v. 234; p. 148.
- Lock. A. Janes. No. 1,228,445; June 5; v. 239; p. 24.
- Latch-lock.
- Lever-lock.
- Line-space lock.
- Mail-bag lock.
- Mail-box lock.
- Mechanical lock.
- Nut-lock.
- Nut and bolt lock.
- Oar-lock.
- Padlock.
- Permutation-lock.
- Plug-lock.
- Pocket-lock.
- Rail-joint lock.
- Railway-rail lock.
- Receptacle-closure lock.
- Recording-lock.
- Refrigerator-door lock.
- Register-lock.
- Rim-lock.
- Safety-lock.
- Sash-lock.
- Seal-lock.
- Shade-roller lock.
- Shuttle-lock.
- Sling-lock.
- Spud-lock.
- Steering-gear lock.
- Steering-wheel lock.
- Stovepipe-lock.
- Stovepipe-joint lock.
- Switch-lock.
- Switch release-lock.
- Table-lock.
- Tank-lock.
- Thread-lock.
- Tire-lock.
- Tire-chain lock.
- Transmission-lock.
- Trap-door lock.
- Trip sling-lock.
- Trunk-lock.
- Tubular lock.
- Tumbler-lock.
- Valve-lock.
- Valve and switch-lock.
- Valve-registering lock.
- Vehicle-lock.
- Vehicle combination-lock.
- Vehicle safety-lock.
- Wagon-seat lock.
- Wheel-lock.
- Whip-lock.
- Whip-socket lock.
- Window-lock.

- Lock. C. E. Johnson. No. 1,210,810; Jan. 2; v. 234; p. 148.
- Lock. W. Kamianczyn and I. Wasylow. No. 1,216,697; Feb. 20; v. 235; p. 868.
- Lock. E. Kies. No. 1,217,012; Feb. 20; v. 235; p. 975.
- Lock. H. Klask. No. 1,211,177; Jan. 2; v. 234; p. 274.
- Lock. C. F. Kohlberger. No. 1,239,188; Sept. 4; v. 242; p. 149.
- Lock. H. W. Lyons. No. 1,249,974; Dec. 11; v. 245; p. 478.
- Lock. I. A. McCormack. No. 1,219,973; Mar. 20; v. 236; p. 792.
- Lock. E. M. Miller. No. 1,212,381; Jan. 16; v. 234; p. 755.
- Lock. H. Molden. No. 1,241,754; Oct. 2; v. 243; p. 91.
- Lock. M. Mutro. No. 1,242,224; Oct. 9; v. 243; p. 281.
- Lock. A. A. Page. No. 1,229,319; June 12; v. 239; p. 368.
- Lock. A. A. Page. No. 1,237,948; Aug. 21; v. 241; p. 846.
- Lock. A. A. Page and H. G. Collins. No. 1,229,318; June 12; v. 239; p. 367.
- Lock. E. Palladini. No. 1,238,048; Aug. 21; v. 241; p. 878.
- Lock. A. Pollak. No. 1,224,502; May 1; v. 238; p. 138.
- Lock. C. H. Prinz. No. 1,239,039; Sept. 4; v. 242; p. 102.
- Lock. P. Rainone. No. 1,213,691; Jan. 23; v. 234; p. 1245.
- Lock. C. F. Raymond. No. 1,233,806; July 17; v. 240; p. 814.
- Lock. J. J. Rebilas. No. 1,234,488; July 24; v. 240; p. 1072.
- Lock. C. Renaux. No. 1,224,021; Apr. 24; v. 237; p. 1157.
- Lock. J. V. Rittmanic. No. 1,250,019; Dec. 11; v. 245; p. 490.
- Lock. R. W. Ritzert. No. 1,226,257; May 15; v. 238; p. 834.
- Lock. C. Sandford, Sr. No. 1,250,027; Dec. 11; v. 245; p. 492.
- Lock. S. Segal. No. 1,212,569; Jan. 16; v. 234; p. 822.
- Lock. S. Segal. No. 1,212,823; Jan. 16; v. 234; p. 911.
- Lock. J. H. Shaw. No. 1,216,859; Feb. 20; v. 235; p. 923.
- Lock. J. H. Shaw. No. 1,229,332; June 12; v. 239; p. 372.
- Lock. J. H. Shaw. No. 1,229,333; June 12; v. 239; p. 372.
- Lock. J. H. Shaw. No. 1,229,334; June 12; v. 239; p. 373.
- Lock. J. H. Shaw. No. 1,229,335; June 12; v. 239; p. 373.
- Lock. P. Solaini. No. 1,224,228; May 1; v. 238; p. 40.
- Lock. O. E. Staack. No. 1,242,256; Oct. 9; v. 243; p. 290.
- Lock. J. I. Steen. No. 1,251,129; Dec. 25; v. 245; p. 909.
- Lock. L. Stern. No. 1,215,888; Feb. 13; v. 235; p. 530.
- Lock. H. G. Voight. No. 1,216,752; Feb. 20; v. 235; p. 887.
- Lock. H. G. Voight. No. 1,221,115; Apr. 3; v. 237; p. 38.
- Lock. H. G. Voight. No. 1,233,147; July 10; v. 240; p. 565.
- Lock. H. G. Voight. No. 1,233,733; July 17; v. 240; p. 791.
- Lock. H. G. Voight. No. 1,235,615; Aug. 7; v. 241; p. 29.
- Lock. H. G. Voight. No. 1,235,616; Aug. 7; v. 241; p. 29.
- Lock. H. G. Voight. No. 1,241,787; Oct. 2; v. 243; p. 101.
- Lock. H. G. Voight. No. 1,241,788; Oct. 2; v. 243; p. 101.
- Lock. H. G. Voight. No. 1,242,085; Oct. 2; v. 243; p. 195.
- Lock. H. G. Voight. No. 1,243,016; Oct. 16; v. 243; p. 568.
- Lock. H. G. Voight. No. 1,244,264; Oct. 23; v. 243; p. 980.
- Lock. H. G. Voight and G. B. Pickop. No. 1,235,614; Aug. 7; v. 241; p. 29.
- Lock. G. Wegner. No. 1,242,401; Oct. 9; v. 243; p. 337.
- Lock. J. F. White. No. 1,221,933; Apr. 10; v. 237; p. 359.
- Lock. P. L. Wikheim. No. 1,244,671; Oct. 30; v. 243; p. 1141.
- Lock. E. L. Williams. No. 1,239,240; Sept. 4; v. 242; p. 167.
- Lock. M. B. Williams. No. 1,234,519; July 24; v. 240; p. 1082.
- Lock. F. Wright. No. 1,213,992; Jan. 30; v. 234; p. 1378.
- Lock. A. A. Wyckoff. No. 1,237,138; Aug. 14; v. 241; p. 550.
- Lock. A. A. Wyckoff. No. 1,239,244; Sept. 4; v. 242; p. 169.
- Lock. B. H. Ziehler and D. R. Rowe. No. 1,212,599; Jan. 16; v. 234; p. 833.
- Lock adjuster, Window. B. E. Taylor. No. 1,240,902; Sept. 25; v. 242; p. 787.
- Lock and alarm, Combined. A. Sasiadek. No. 1,243,983; Oct. 23; v. 243; p. 896.
- Lock and latch mechanism. N. B. Hurd. No. 1,244,443; Oct. 23; v. 243; p. 1033.
- Lock and switch, Combination. B. L. Beckner. No. 1,229,211; June 12; v. 239; p. 331.
- Lock attachment. A. R. Langley. No. 1,249,126; Dec. 4; v. 245; p. 201.
- Lock attachment. G. Schleicher. No. 1,241,447; Sept. 25; v. 242; p. 956.
- Lock-bolt. J. A. Kline. No. 1,224,936; May 8; v. 238; p. 341.
- Lock-case-reversing mechanism. R. Cecchini. No. 1,219,250; Mar. 13; v. 236; p. 510.
- Lock construction. N. B. Hurd. No. 1,232,035; July 3; v. 240; p. 168.
- Lock-controlling device. B. H. Ziehler. No. 1,245,302; Nov. 6; v. 244; p. 48.
- Lock for screens and the like. H. T. Nowotny. No. 1,230,920; June 26; v. 239; p. 974.
- Lock-gate. M. Buchholz. No. 1,223,763; Apr. 24; v. 237; p. 1069.
- Lock indicating-register. W. S. Farnsworth. No. 1,243,826; Oct. 23; v. 243; p. 850.
- Lock-joint. G. Williams. No. 1,235,867; Aug. 7; v. 241; p. 111.
- Lock-keeper. G. W. Kennedy. No. 1,238,924; Sept. 4; v. 242; p. 65.
- Lock mechanism. W. F. Diesel. No. 1,218,065; Mar. 6; v. 236; p. 62.
- Lock mechanism, Coin-controlled. G. F. Russell. No. 1,221,605; Apr. 3; v. 237; p. 210.
- Lock safety device, Door-. H. C. Smith. No. 1,243,350; Oct. 16; v. 243; p. 668.
- Lock-strike. W. W. Pilchard. No. 1,250,650; Dec. 18; v. 245; p. 717.
- Lock-switch. F. E. Matteson. No. 1,242,013; Oct. 2; v. 243; p. 174.
- Lock-switch. B. P. Swyers. No. 1,244,660; Oct. 30; v. 243; p. 1138.
- Lock-switch, Combination electric. R. O. Hammond. No. 1,215,800; Feb. 13; v. 235; p. 498.
- Lock-switch, Combination electric. R. O. Hammond. No. 1,220,842; Mar. 27; v. 236; p. 1134.
- Lock-washer. H. C. Hart. No. 1,216,310; Feb. 20; v. 235; p. 733.
- Lock-washer. E. Jones. No. 1,228,679; June 5; v. 239; p. 104.
- Lock-washer. T. H. McCain. No. 1,228,334; May 29; v. 238; p. 1593.
- Lock-washer. M. A. Twitchell. No. 1,238,962; Sept. 4; v. 242; p. 78.
- Locks and burglar-alarms, Circuit-closer for combination-. M. D. Morton. No. 1,249,992; Dec. 11; v. 245; p. 483.
- Locks, Manufacture of. E. P. Baird. No. 1,240,530; Sept. 18; v. 242; p. 638.
- Locker. W. N. Vance. No. 1,249,254; Dec. 4; v. 245; p. 239.
- Locker and cabinet. J. B. O'Connor. No. 1,212,993; Jan. 16; v. 234; p. 971.
- Locker, Portable canvas. J. A. Kulier. No. 1,251,245; Dec. 25; v. 245; p. 943.
- Locker system. G. H. Piggot. No. 1,245,022; Oct. 30; v. 243; p. 1247.
- Lockers, Automatic indicator for. J. B. Armitage. No. 1,212,876; Jan. 16; v. 234; p. 930.
- Locket, Identification-. H. J. Winans. No. 1,246,369; Nov. 13; v. 244; p. 398.
- Locking and releasing device. J. R. Irwin. No. 1,242,809; Oct. 9; v. 243; p. 466.
- Locking attachment for bolts and nuts, wheel-caps, and the like. G. H. Lang. No. 1,221,194; Apr. 3; v. 237; p. 68.
- Locking-bolt. J. L. Pancoast. No. 1,217,878; Feb. 27; v. 235; p. 1319.
- Locking device. H. Alinder. No. 1,221,405; Apr. 3; v. 237; p. 142.
- Locking device. G. F. Brassler. No. 1,241,914; Oct. 2; v. 243; p. 143.
- Locking device. B. M. Kent. No. 1,211,451; Jan. 9; v. 234; p. 402.
- Locking device. R. Koehler. No. 1,251,243; Dec. 25; v. 245; p. 942.
- Locking device. L. T. Rhoades. No. 1,248,011; Nov. 27; v. 244; p. 943.
- Locking device. M. J. Uline. No. 1,211,013; Jan. 2; v. 234; p. 221.
- Locking device. J. H. Williams. No. 1,244,154; Oct. 23; v. 243; p. 947.
- Locking device, Automatic. O. F. Ensign and A. J. Thuneman. No. 1,212,033; Jan. 9; v. 234; p. 604.
- Locking device for a series of drawers. F. Muennich. No. 1,247,137; Nov. 20; v. 244; p. 659.
- Locking device for machinery, Safety. J. J. Marty. No. 1,250,925; Dec. 18; v. 245; p. 800.
- Locking mechanism. R. C. Bradley. No. 1,214,419; Jan. 30; v. 234; p. 1525.
- Locking mechanism. E. Henrikson and A. L. Frederickson. No. 1,233,666; July 17; v. 240; p. 770.
- Locking mechanism. E. W. Storms. No. 1,219,360; Mar. 13; v. 236; p. 548.
- Locking mechanism. H. Travis. No. 1,234,424; July 24; v. 240; p. 1052.
- Locking mechanism and the like. C. Renaux. No. 1,234,212; July 24; v. 240; p. 981.
- Locking-pin. E. Hermann. No. 1,237,515; Aug. 21; v. 241; p. 709.
- Locking-switch. E. O. Sessions. No. 1,213,960; Jan. 30; v. 234; p. 1367.

Alphabetical list of inventions—Continued.

- Locking-switch. E. O. Sessions. No. 1,221,611; Apr. 3; v. 237; p. 212.
- Locking-switch. P. C. Thoner. No. 1,238,845; Sept. 4; v. 242; p. 40.
- Locking-switch. P. C. Thoner. No. 1,239,062; Sept. 4; v. 242; p. 109.
- Locomotion, System of. A. L. W. Begg. No. 1,239,077; Sept. 4; v. 242; p. 114.
- Locomotive. C. E. Arnold. No. 1,235,412; July 31; v. 240; p. 1389.
- Locomotive. W. J. Bohan. No. 1,242,762; Oct. 9; v. 243; p. 452.
- Locomotive. G. M. Eaton. No. 1,241,500; Oct. 2; v. 243; p. 7.
- Locomotive. G. L. Swabb. No. 1,220,570; Mar. 27; v. 236; p. 1041.
- Locomotive and tender connection. J. F. O'Connor. No. 1,225,163; May 8; v. 238; p. 417.
- Locomotive and tender connection. H. R. Stafford. No. 1,248,742; Dec. 4; v. 245; p. 93.
- Locomotive-arch. L. Parish. No. 1,229,388; June 12; v. 239; p. 391.
- Locomotive-arch. E. P. Stevens. No. 1,229,381; June 12; v. 239; p. 389.
- Locomotive-arch. E. P. Stevens. No. 1,229,390; June 12; v. 239; p. 392.
- Locomotive-arch construction. E. P. Stevens. No. 1,229,384; June 12; v. 239; p. 390.
- Locomotive-arches, Cantaliver-margin for. E. P. Stevens. No. 1,229,391; June 12; v. 239; p. 392.
- Locomotive ash-pan. W. W. Sykes. No. 1,213,708; Jan. 23; v. 234; p. 1251.
- Locomotive-boiler and the like. A. Anderberg. No. 1,212,435; Jan. 16; v. 234; p. 774.
- Locomotive-boiler, Wooten-type. J. T. Anthony. No. 1,229,382; June 12; v. 239; p. 390.
- Locomotive brake-shoe. J. V. C. T. Christensen. No. 1,227,581; May 29; v. 238; p. 1341.
- Locomotive buffer-beam. C. T. Westlake. No. 1,233,153; July 10; v. 240; p. 567.
- Locomotive-bumper. F. C. Coseo. No. 1,215,622; Feb. 13; v. 235; p. 437.
- Locomotive-cab spring-seat. J. P. Nicholls. No. 1,222,788; Apr. 17; v. 237; p. 699.
- Locomotive cable-reeling mechanism, Electric. N. D. Levin. No. 1,247,421; Nov. 20; v. 244; p. 740.
- Locomotive drifting device. G. W. Wyman. No. 1,212,726; Jan. 16; v. 234; p. 879.
- Locomotive driving-box. F. J. Cole. No. 1,218,375; Mar. 6; v. 236; p. 170.
- Locomotive driving-box. W. A. Hazlewood. No. 1,227,907; May 29; v. 238; p. 1453.
- Locomotive driving-box. C. F. Prescott. No. 1,219,866; Mar. 20; v. 236; p. 755.
- Locomotive driving-box brass, Adjustable. G. H. Langton. (Reissue.) No. 1,275; Mar. 20; v. 236; p. 867.
- Locomotive driving connection. W. Dalton. No. 1,228,751; June 5; v. 239; p. 128.
- Locomotive, Electric. J. L. Davis. No. 1,241,498; Oct. 2; v. 243; p. 7.
- Locomotive, Electric. G. M. Eaton. No. 1,233,329; July 17; v. 240; p. 658.
- Locomotive, Electric. C. W. Larson. No. 1,221,753; Apr. 3; v. 237; p. 260.
- Locomotive, Electric. N. D. Levin. No. 1,247,418; Nov. 20; v. 244; p. 739.
- Locomotive-engine. H. Lentz. No. 1,246,954; Nov. 20; v. 244; p. 606.
- Locomotive-engine. J. F. Wentworth. No. 1,230,248; June 19; v. 239; p. 714.
- Locomotive-engines, Pressure-compensation device for. H. Lentz. No. 1,246,955; Nov. 20; v. 244; p. 607.
- Locomotive-fire-box arch. J. L. Nicholson. No. 1,229,393; June 12; v. 239; p. 393.
- Locomotive-fire-box arch. L. Parish. No. 1,229,378; June 12; v. 239; p. 389.
- Locomotive fire-boxes, Air-admission wall for. A. H. Willett. No. 1,229,387; June 12; v. 239; p. 391.
- Locomotive-frame. W. M. Sheehan. No. 1,247,731; Nov. 27; v. 244; p. 863.
- Locomotive-gearing. L. F. Goodspeed. No. 1,212,625; Jan. 16; v. 234; p. 842.
- Locomotive-gearing. L. F. Goodspeed. No. 1,212,626; Jan. 16; v. 234; p. 843.
- Locomotive hot-water washing and filling system. W. A. Powers. No. 1,235,525; July 31; v. 240; p. 1424.
- Locomotive-journal-box mounting. G. H. Langton. No. 1,213,506; Jan. 23; v. 234; p. 1182.
- Locomotive-pilot. G. B. Phillips. No. 1,225,358; May 8; v. 238; p. 483.
- Locomotive-pilot. P. F. Smith, Jr. No. 1,220,146; Mar. 20; v. 236; p. 856.
- Locomotive reversing device. B. B. McEntire. No. 1,248,357; Nov. 27; v. 244; p. 1040.
- Locomotive safety hand and foot rail. J. M. Blashfield. No. 1,220,720; Mar. 27; v. 236; p. 1090.
- Locomotive side rod. H. R. Stafford. No. 1,222,247; Apr. 10; v. 237; p. 468.
- Locomotive signaling apparatus, Automatic. J. Stanley. No. 1,219,181; Mar. 13; v. 236; p. 487.
- Locomotive, Simple-compound. G. F. Wieseckel. No. 1,237,987; Aug. 21; v. 241; p. 859.
- Locomotive smoke-box. W. J. Tollerton. No. 1,234,235; July 24; v. 240; p. 989.
- Locomotive stack and draft device. W. Elmer. No. 1,239,370; Sept. 4; v. 242; p. 207.
- Locomotive, Steam. J. T. Anthony. No. 1,229,383; June 12; v. 239; p. 390.
- Locomotive, Steam. P. Crosti. No. 1,236,679; Aug. 14; v. 241; p. 403.
- Locomotive, Storage-battery. R. Mancha. No. 1,224,122; Apr. 24; v. 237; p. 1192.
- Locomotive-tender. N. M. Lower. No. 1,219,334; Mar. 13; v. 236; p. 539.
- Locomotive-tender. N. M. Lower. No. 1,223,594; Apr. 24; v. 237; p. 1008.
- Locomotive-tender. N. M. Lower. No. 1,228,574; June 5; v. 239; p. 68.
- Locomotive-tender. N. M. Lower. No. 1,240,861; Sept. 25; v. 242; p. 774.
- Locomotive-tender. E. Ryan. No. 1,233,710; July 17; v. 240; p. 784.
- Locomotive-tender stoker mechanism. W. T. Hanna. No. 1,239,101; Sept. 4; v. 242; p. 122.
- Locomotive-tender-tank feeder. J. A. Pilcher. No. 1,241,439; Sept. 25; v. 242; p. 954.
- Locomotive-tenders, Water-supplying device for. N. T. McKee. No. 1,215,953; Feb. 13; v. 235; p. 554.
- Locomotive valve-gear. O. W. Young. No. 1,221,947; Apr. 10; v. 237; p. 363.
- Locomotives and the like, Automatic safety-controller for permanent-way. F. G. Barnes. No. 1,216,049; Feb. 13; v. 235; p. 589.
- Locomotives and the like, Draft-inducing, spark-destroying, and fume-conveying apparatus for. W. T. Stow. No. 1,227,340; May 22; v. 238; p. 1232.
- Locomotives, Automatic injector control for. W. Elmer. No. 1,212,197; Jan. 16; v. 234; p. 688.
- Locomotives, Automatic tank-closing device for oil-burning. J. H. Miller. No. 1,233,898; July 17; v. 240; p. 844.
- Locomotives, Bell-ringer for. J. Howe. No. 1,231,357; June 26; v. 239; p. 1122.
- Locomotives, Bell-ringer for. J. Howe. No. 1,231,358; June 26; v. 239; p. 1123.
- Locomotives, Coal-sprinkler for. C. Eibye. No. 1,232,516; July 10; v. 240; p. 360.
- Locomotives, Firing-valve to control the feed of oil in firing oil-burning. B. P. Gilman. No. 1,226,504; May 15; v. 238; p. 913.
- Locomotives, Friction-gear for. C. B. Patch. No. 1,251,094; Dec. 25; v. 245; p. 898.
- Locomotives, Power reverse-gear for. N. M. Barker. No. 1,249,299; Dec. 11; v. 245; p. 284.
- Locomotives, Power reverse-gear for. M. F. Cox. No. 1,231,855; July 3; v. 240; p. 107.
- Locomotives, Pulverized-coal-burning means for. A. Kirchofer. No. 1,239,918; Sept. 11; v. 242; p. 412.
- Locomotives, Safe automatic drifting device for. W. T. Biddle. No. 1,251,328; Dec. 25; v. 245; p. 968.
- Locomotives, Sanding device for storage-battery. C. A. Pratt. No. 1,217,631; Feb. 27; v. 235; p. 1237.
- Locomotives, Smoke-consumer for. N. Petryk. No. 1,243,214; Oct. 16; v. 243; p. 628.
- Locomotives, Snow-melting attachment for. H. L. Stull. No. 1,219,185; Mar. 13; v. 236; p. 489.
- Locomotives, Valve-gearing for. H. Lentz. No. 1,242,452; Oct. 9; v. 243; p. 352.
- Locomotives, Water-softening apparatus for. F. C. Fosdick. No. 1,212,339; Jan. 16; v. 234; p. 741.
- Log-bunk. F. W. Chriswell. No. 1,224,275; May 1; v. 238; p. 58.
- Log-bunk. F. W. Chriswell. No. 1,224,276; May 1; v. 238; p. 58.
- Log-bunk. A. B. Myhre. No. 1,228,952; June 5; v. 239; p. 194.
- Log-chain dog. T. H. Lemp and H. M. Cobb. No. 1,212,076; Jan. 9; v. 234; p. 617.
- Log-loader. W. J. Peronto. No. 1,224,565; May 1; v. 238; p. 161.
- Log-loading boom. C. C. McLean. No. 1,249,153; Dec. 4; v. 245; p. 209.
- Log-moving machine. F. R. Hewitt. No. 1,220,122; Mar. 20; v. 236; p. 846.
- Log-trimming machine. V. J. Olson. No. 1,248,700; Dec. 4; v. 245; p. 80.
- Log-turner. J. H. Sammons, A. C. Headley, C. J. Elland, and E. K. Headley. No. 1,245,387; Nov. 6; v. 244; p. 73.
- Logging apparatus, Portable. J. H. Dickinson and E. D. Swan. No. 1,241,830; Oct. 2; v. 243; p. 116.
- Logging-carriage. T. C. Lawless. No. 1,237,067; Aug. 14; v. 241; p. 528.
- Logging-cars, Chain-release for. J. Dodd. No. 1,226,869; May 22; v. 238; p. 1074.
- Logging-hook. O. F. Carlson. No. 1,249,324; Dec. 11; v. 245; p. 290.
- Logging-sling, Adjustable. O. R. Aubrey. No. 1,225,100; May 8; v. 238; p. 396.
- Logging system. O. A. Wirkkala. No. 1,251,157; Dec. 25; v. 245; p. 918.
- Long-time burner. F. W. Dressel, J. Dawans, and G. Eklund. No. 1,230,137; June 19; v. 239; p. 676.
- Looking-glass. G. L. Webb. No. 1,235,173; July 31; v. 240; p. 1317.

- Loom. A. Barbier. No. 1,212,312; Jan. 16; v. 234; p. 732.
- Loom. A. E. Chernack. No. 1,222,524; Apr. 10; v. 237; p. 565.
- Loom. A. N. Reeves. No. 1,214,953; Feb. 6; v. 235; p. 165.
- Loom. W. S. Southwick. No. 1,214,966; Feb. 6; v. 235; p. 170.
- Loom. W. S. Southwick. No. 1,218,710; Mar. 13; v. 236; p. 323.
- Loom and filling-carrier therefor. Filling-replenishing feeler. A. E. Rhoades. No. 1,243,342; Oct. 16; v. 243; p. 666.
- Loom attachment. J. V. Desmarais. No. 1,244,842; Oct. 30; v. 243; p. 1193.
- Loom. Automatic filling-replenishing. U. Hebert. No. 1,218,256; Mar. 6; v. 236; p. 130.
- Loom. Automatic filling-replenishing. U. Hebert. No. 1,218,257; Mar. 6; v. 236; p. 130.
- Loom. Automatic filling-replenishing. U. Hebert. No. 1,218,258; Mar. 6; v. 236; p. 131.
- Loom. Automatic weft-replenishing. A. E. Rhoades. No. 1,212,399; Jan. 16; v. 234; p. 761.
- Loom. Automatic weft-replenishing. A. E. Rhoades. No. 1,212,400; Jan. 16; v. 234; p. 762.
- Loom. Band-. G. M. Wehner. No. 1,248,223; Nov. 27; v. 244; p. 1002.
- Loom controlling mechanism. E. H. Ryon. No. 1,240,375; Sept. 18; v. 242; p. 590.
- Loom-fastener. J. J. Duck. No. 1,242,533; Oct. 9; v. 243; p. 378.
- Loom-fastener. E. S. Snover. No. 1,224,227; May 1; v. 238; p. 40.
- Loom feeler mechanism. E. S. Stimpson. No. 1,250,380; Dec. 18; v. 245; p. 637.
- Loom filler-carrier. J. E. Connelly. No. 1,211,678; Jan. 9; v. 234; p. 479.
- Loom filling-end remover. A. E. Rhoades. No. 1,212,681; Jan. 16; v. 234; p. 864.
- Loom. Filling-replenishing. W. H. Baker. No. 1,242,098; Oct. 2; v. 243; p. 199.
- Loom for weaving. A. Smith. No. 1,213,700; Jan. 23; v. 234; p. 1248.
- Loom. Hand-. C. M. Lewis. No. 1,225,446; May 8; v. 238; p. 515.
- Loom harness-motion. A. E. Rhoades. No. 1,212,401; Jan. 16; v. 234; p. 762.
- Loom heddle-frame. M. Spaleck. No. 1,223,435; Apr. 24; v. 237; p. 952.
- Loom jacquard mechanism. L. Fuchs. No. 1,214,449; Jan. 30; v. 234; p. 1534.
- Loom. Knitting-. T. Branson. No. 1,245,563; Nov. 6; v. 244; p. 128.
- Loom let-off mechanism. J. Warburton. No. 1,245,290; Nov. 6; v. 244; p. 44.
- Loom-magazines. Bobbin-stand for. W. F. Kling and J. S. Whitlock. No. 1,210,489; Jan. 2; v. 234; p. 39.
- Loom. Needle-. S. Kendrick. No. 1,239,604; Sept. 11; v. 242; p. 310.
- Loom. Needle-. S. Kendrick. No. 1,239,605; Sept. 11; v. 242; p. 311.
- Loom-picker. S. Durlo. No. 1,247,245; Nov. 20; v. 244; p. 691.
- Loom-picker. J. Northrop. No. 1,244,122; Oct. 23; v. 243; p. 937.
- Loom-picker. G. Scacchi. No. 1,238,444; Aug. 28; v. 241; p. 1041.
- Loom picker mechanism. J. W. McLaren. No. 1,236,194; Aug. 7; v. 241; p. 214.
- Loom-pickers. Buffer for. J. Taranto. No. 1,231,096; June 26; v. 239; p. 1037.
- Loom-shuttle. D. Brown. No. 1,229,578; June 12; v. 239; p. 456.
- Loom-shuttle. E. H. Carter and W. H. Selley. No. 1,237,298; Aug. 21; v. 241; p. 638.
- Loom-shuttle. L. E. Chase. No. 1,248,077; Nov. 27; v. 244; p. 960.
- Loom-shuttle. H. W. Hakes. No. 1,220,742; Mar. 27; v. 236; p. 1099.
- Loom-shuttle. A. E. Rhoades. No. 1,215,578; Feb. 13; v. 235; p. 420.
- Loom-shuttle. N. Spenard. No. 1,242,383; Oct. 9; v. 243; p. 330.
- Loom-shuttle. E. S. Stimpson. No. 1,212,278; Jan. 16; v. 234; p. 720.
- Loom-picker. P. O. Tetrault. No. 1,245,529; Nov. 6; v. 244; p. 117.
- Loom-shuttle. Automatically-threading. A. E. Rhoades. No. 1,212,402; Jan. 16; v. 234; p. 763.
- Loom-shuttle. Automatically-threading. E. S. Stimpson. No. 1,224,806; May 1; v. 238; p. 244.
- Loom shuttle-check. A. A. St. Laurent. No. 1,234,102; July 17; v. 240; p. 909.
- Loom shuttle. Continuous-weft. A. Smith. No. 1,215,729; Feb. 13; v. 235; p. 473.
- Loom shuttle-feeler. I. Snow. No. 1,230,439; June 19; v. 239; p. 776.
- Loom shuttle-motion. J. A. Gendron. No. 1,211,569; Jan. 9; v. 234; p. 442.
- Loom-shuttle thread tension. R. Jamieson. No. 1,212,358; Jan. 16; v. 234; p. 747.
- Loom shuttle-threading eye. A. Rock. No. 1,236,106; Aug. 7; v. 241; p. 186.
- Loom-shuttles. Hand-threading attachment for. B. S. Atwood. No. 1,240,643; Sept. 18; v. 242; p. 672.
- Loom-shuttles. Thread guide or eye for. H. A. Kennedy. No. 1,225,035; May 8; v. 238; p. 374.
- Loom stop-motion. G. N. Bertrand. No. 1,238,628; Aug. 28; v. 241; p. 1100.
- Loom take-up mechanism. L. B. Jenckes. No. 1,226,525; May 15; v. 238; p. 919.
- Loom-temple thread-cutter. E. S. Stimpson. No. 1,244,791; Oct. 30; v. 243; p. 1178.
- Loom-temple. Thread-cutting. A. A. Hull. No. 1,241,983; Oct. 2; v. 243; p. 163.
- Loom warp-beam motion. C. Spannagel. No. 1,231,306; June 26; v. 239; p. 1106.
- Loom warp stop mechanism. A. E. Rhoades. No. 1,214,368; Jan. 30; v. 234; p. 1508.
- Loom warp stop-motion. L. S. Burbank. No. 1,240,666; Sept. 18; v. 242; p. 680.
- Loom warp stop-motion. S. S. Jackson. No. 1,239,792; Sept. 11; v. 242; p. 370.
- Loom weft-detecting mechanism. B. F. McGuinness. No. 1,223,708; Apr. 24; v. 237; p. 1050.
- Loom weft-fork mechanism. H. W. Youngquist. No. 1,223,548; Apr. 24; v. 237; p. 993.
- Loom. Weft-replenishing. E. H. Ballou. No. 1,244,827; Oct. 30; v. 243; p. 1189.
- Loom. Weft-replenishing. W. L. Barrell. No. 1,221,410; Apr. 3; v. 237; p. 144.
- Loom. Weft-replenishing. G. F. Hutchins and E. H. Ryon. No. 1,221,802; Apr. 3; v. 237; p. 277.
- Loom weft-replenishing mechanism. E. A. and J. V. Cunniff and J. K. Lanning. No. 1,239,086; Sept. 4; v. 242; p. 117.
- Loom. Wire-. F. W. Cable. No. 1,250,139; Dec. 18; v. 245; p. 564.
- Looms. Adjustable warp-stop-motion drop-wire rack for. W. T. Thacker and C. C. Gosnell. No. 1,226,409; May 15; v. 238; p. 883.
- Looms. Attachment for shuttle-changing. A. F. Morell. No. 1,220,671; Mar. 27; v. 236; p. 1074.
- Looms. Beam-lock for. J. E. Tétu and W. E. Cutler. No. 1,233,282; July 10; v. 240; p. 606.
- Looms. Center-filling stop-motion for. J. A. Gagnon. No. 1,243,831; Oct. 23; v. 243; p. 851.
- Looms. Compressed-air shuttle-operating mechanism for. H. H. Kelley. No. 1,222,410; Apr. 10; v. 237; p. 526.
- Looms. Deferred-action indicating device for. H. A. Owen. No. 1,240,592; Sept. 18; v. 242; p. 656.
- Looms. Feeder device for. S. S. Jackson. No. 1,248,865; Dec. 4; v. 245; p. 130.
- Looms. Feeler mechanism for. A. E. Rhoades. No. 1,222,994; Apr. 17; v. 237; p. 769.
- Looms. Feeler mechanism for automatic weft-replenishing. A. E. Rhoades. No. 1,232,088; July 3; v. 240; p. 187.
- Looms. Feeler-motion for. T. Ferguson. No. 1,225,120; May 8; v. 238; p. 402.
- Looms. Filling-end-clearing means for. A. E. Stafford. No. 1,221,385; Apr. 3; v. 237; p. 135.
- Looms. Filling-exhaustion-detector mechanism for. H. J. Hedler. No. 1,237,903; Aug. 21; v. 241; p. 832.
- Looms. Filling-feeler device for. F. H. McDewitt. No. 1,237,923; Aug. 21; v. 241; p. 838.
- Looms. Filling-feeler for. C. H. Draper and J. Northrop. No. 1,249,276; Dec. 4; v. 245; p. 245.
- Looms. Filling-fork grid for. C. E. Nutting. No. 1,214,947; Feb. 6; v. 235; p. 163.
- Looms. Friction let-off mechanism for. S. S. Jackson. No. 1,236,374; Aug. 7; v. 241; p. 268.
- Looms. Knife-carrier for. A. F. McCollum. No. 1,240,071; Sept. 11; v. 242; p. 455.
- Looms. Lug-strap support for. C. Faber. No. 1,230,693; June 19; v. 239; p. 861.
- Looms. Lug-strap supporter for. M. M. Lahue. No. 1,250,327; Dec. 18; v. 245; p. 621.
- Looms. Mechanism for handling tuft-yarns for carpet. A. Clapperton. No. 1,235,654; Aug. 7; v. 241; p. 41.
- Looms. Pick-finding mechanism for. G. W. Shackleton. No. 1,238,947; Sept. 4; v. 242; p. 73.
- Looms. Pile-cutter for. E. H. Ryon. No. 1,220,687; Mar. 27; v. 236; p. 1080.
- Looms. Rock-shaft bearing for. R. R. Corn. No. 1,226,188; May 15; v. 238; p. 808.
- Looms. Shuttle-driving mechanism for ribbon-. A. Jenny. No. 1,247,277; Nov. 20; v. 244; p. 699.
- Looms. Shuttle-threading mechanism for automatic filling-replenishing. H. Youngquist. No. 1,214,868; Feb. 6; v. 235; p. 133.
- Looms. Splitting attachment for. G. Champoux. No. 1,234,287; July 24; v. 240; p. 1006.
- Looms. Temple device for. L. G. Sabbag. No. 1,230,792; June 19; v. 239; p. 893.
- Looms. Thread-catcher for. B. F. McGuinness. No. 1,220,667; Mar. 27; v. 236; p. 1073.
- Looms. Thread-cutting temple for. E. D. Roy. No. 1,233,128; July 10; v. 240; p. 558.
- Looms. Thread-parting mechanism for. H. A. Owen. No. 1,228,814; June 5; v. 239; p. 150.
- Looms. Transferrer for automatic filling-replenishing. I. Snow. No. 1,214,384; Jan. 30; v. 234; p. 1515.
- Looms. Vacuum shuttle-operating mechanism for. H. H. Kelley. No. 1,222,409; Apr. 10; v. 237; p. 525.
- Looms. Warp stop-motion for. W. E. Gradwell. No. 1,245,705; Nov. 6; v. 244; p. 171.

Alphabetical list of inventions—Continued.

- Looms, Weft binding and cutting device for. W. W. Stearns. No. 1,219,182; Mar. 13; v. 236; p. 487.
- Looms, Weft-detecting mechanism for. E. H. Ryon. No. 1,220,686; Mar. 27; v. 236; p. 1079.
- Looms, Weft-detector for. E. H. Ryon. No. 1,221,768; Apr. 3; v. 237; p. 265.
- Looms, Weft-feeler for. C. E. Nutting. No. 1,224,775; May 1; v. 238; p. 234.
- Looms, Weft-feeder mechanism for. E. H. Ballou. No. 1,238,378; Aug. 28; v. 241; p. 1020.
- Looms, Weft-thread catcher for automatic weft-replenishing. C. E. Nutting. No. 1,233,695; July 17; v. 240; p. 779.
- Looms worked with more than one shuttle, Weft-replenishing apparatus for automatic. E. Egle. No. 1,237,816; Aug. 21; v. 241; p. 645.
- Loop and button clasp. H. J. Stuart. No. 1,236,120; Aug. 7; v. 241; p. 190.
- Loop beater, Reinforced-. W. B. Albright. No. 1,245,419; Nov. 6; v. 244; p. 83.
- Loop-fastener. A. M. J. Baus. No. 1,218,739; Mar. 13; v. 236; p. 334.
- Loop or buckle, Garment. C. S. Comstock, Sr. No. 1,250,284; Dec. 18; v. 245; p. 608.
- Loose-leaf device. K. L. Eddy. No. 1,211,690; Jan. 9; v. 234; p. 483.
- Loose-line system. C. P. Ferrero. No. 1,246,407; Nov. 13; v. 244; p. 409.
- Loose material in bulk, Device for securing. H. H. Holscher. No. 1,220,226; Mar. 27; v. 236; p. 918.
- Loose-sheet holder. G. E. Gates. No. 1,251,010; Dec. 25; v. 245; p. 875.
- Lorry, Charging-. S. B. Russell. No. 1,234,221; July 24; v. 240; p. 984.
- Low-water alarm. C. R. Ford. No. 1,218,935; Mar. 13; v. 236; p. 404.
- Low-water alarm. H. B. Thurston. No. 1,231,458; June 26; v. 239; p. 1156.
- Lozenge-remover. C. G. Straub. No. 1,248,198; Nov. 27; v. 244; p. 995.
- Lubricant. C. F. Axtell. No. 1,226,165; May 15; v. 238; p. 800.
- Lubricant-arrester. C. X. Wright. No. 1,220,712; Mar. 27; v. 236; p. 1088.
- Lubricant-circulation system. J. B. Ferguson. No. 1,241,103; Sept. 25; v. 242; p. 849.
- Lubricant-cup. C. A. Bacon. No. 1,251,167; Dec. 25; v. 245; p. 921.
- Lubricant-injector. J. E. Pettit. No. 1,232,076; July 3; v. 240; p. 183.
- Lubricating chain drives, Means for. H. S. Pierce. No. 1,231,424; June 26; v. 239; p. 1146.
- Lubricating compound. E. F. Burch. No. 1,246,869; Nov. 20; v. 244; p. 582.
- Lubricating compound. L. D. Pettit. No. 1,222,128; Apr. 10; v. 237; p. 424.
- Lubricating compound. A. B. Thorswik. No. 1,249,249; Dec. 4; v. 245; p. 238.
- Lubricating compounds, Making plastic. E. F. Burch. No. 1,238,101; Aug. 28; v. 241; p. 928.
- Lubricating-cup. L. H. Fischer. No. 1,214,146; Jan. 30; v. 234; p. 1431.
- Lubricating device. R. Becker. No. 1,212,440; Jan. 16; v. 234; p. 776.
- Lubricating device. W. L. Bliss. No. 1,221,018; Apr. 3; v. 237; p. 5.
- Lubricating device. W. G. Brooks. No. 1,224,133; May 1; v. 238; p. 6.
- Lubricating device. W. H. Clehm. No. 1,213,747; Jan. 23; v. 234; p. 1263.
- Lubricating device. C. G. Cunningham. No. 1,236,681; Aug. 14; v. 241; p. 404.
- Lubricating device. E. Johnson. No. 1,224,647; May 1; v. 238; p. 189.
- Lubricating device. R. H. McNee. No. 1,223,993; Apr. 24; v. 237; p. 1147.
- Lubricating device. F. M. Perkins. No. 1,243,213; Oct. 16; v. 243; p. 628.
- Lubricating device. R. P. Schuyler. No. 1,216,505; Feb. 20; v. 235; p. 802.
- Lubricating device. J. A. Templeman. No. 1,218,129; Mar. 6; v. 236; p. 84.
- Lubricating mechanism. W. L. Morris. No. 1,227,481; May 22; v. 238; p. 1277.
- Lubricating mechanism for piston-machines. G. D. Pogue. No. 1,231,294; June 26; v. 239; p. 1101.
- Lubricating strip or element. F. Hickman. No. 1,235,475; July 31; v. 240; p. 1406.
- Lubricating system. W. I. Bettis. No. 1,239,452; Sept. 11; v. 242; p. 263.
- Lubricating system. W. J. Byron. No. 1,244,173; Oct. 23; v. 243; p. 952.
- Lubricating system. G. H. M. Canton, P. G. Unné, and E. J. J. Salmon. No. 1,211,406; Jan. 9; v. 234; p. 387.
- Lubricating system. H. E. Hoover. No. 1,227,141; May 22; v. 238; p. 1168.
- Lubricating system. G. R. Wadsworth. No. 1,214,850; Feb. 6; v. 235; p. 126.
- Lubricating system and pump therefor. O. R. Grönkwist. No. 1,237,029; Aug. 14; v. 241; p. 517.
- Lubricating system, Circulating. H. Mayer and G. Schlatter. No. 1,225,840; May 15; v. 238; p. 688.
- Lubricating systems, Feed-regulator for. G. W. Ramsey. No. 1,228,700; June 5; v. 239; p. 111.
- Lubrication crank-cases, Interceptor for splash-. E. M. White. No. 1,241,589; Oct. 2; v. 243; p. 40.
- Lubrication, Forced. M. Birkigt. No. 1,241,332; Sept. 25; v. 242; p. 923.
- Lubrication, Splash system of. F. A. Smith. No. 1,230,815; June 19; v. 239; p. 901.
- Lubrication system. C. E. Edgar. No. 1,251,197; Dec. 25; v. 245; p. 929.
- Lubrication system. C. A. M. Weber. No. 1,238,367; Aug. 28; v. 241; p. 1016.
- Lubrication, System of force-feed. S. M. Jenkins. No. 1,223,175; Apr. 17; v. 237; p. 832.
- Lubricator: See—
- Automatic lubricator.
 - Axle-lubricator.
 - Balanced lubricator.
 - Bullet-lubricator.
 - Contact-lubricator.
 - Elevator-guide lubricator.
 - Engine-lubricator.
 - Film-lubricator.
 - Flange and rail lubricator.
 - Force-feed lubricator.
 - Graphite lubricator.
 - Journal-lubricator.
 - Shaft-bearing lubricator.
 - Spring-lubricator.
 - Wheel-lubricator.
 - Wheel-flange lubricator.
 - Wrist-pin lubricator.
- Lubricator. R. G. Bechtel. No. 1,230,651; June 19; v. 239; p. 847.
- Lubricator. C. H. Biggin. No. 1,220,719; Mar. 27; v. 236; p. 1090.
- Lubricator. W. H. Brown. No. 1,216,411; Feb. 20; v. 235; p. 770.
- Lubricator. G. Coover. No. 1,233,553; July 17; v. 240; p. 733.
- Lubricator. O. W. Doolittle. No. 1,221,795; Apr. 3; v. 237; p. 275.
- Lubricator. W. B. Gage. No. 1,224,919; May 8; v. 238; p. 335.
- Lubricator. A. J. Gates. No. 1,211,431; Jan. 9; v. 234; p. 395.
- Lubricator. P. W. Gates. No. 1,211,432; Jan. 9; v. 234; p. 396.
- Lubricator. E. Gruenewald. No. 1,215,650; Feb. 13; v. 235; p. 447.
- Lubricator. J. C. Hayes. No. 1,222,949; Apr. 17; v. 237; p. 753.
- Lubricator. T. J. Holmes. No. 1,230,299; June 19; v. 239; p. 730.
- Lubricator. E. A. and J. E. Jones. No. 1,217,951; Mar. 6; v. 236; p. 22.
- Lubricator. W. F. Kelly. No. 1,235,812; Aug. 7; v. 241; p. 93.
- Lubricator. D. F. Kilgour. No. 1,242,702; Oct. 9; v. 243; p. 433.
- Lubricator. F. A. Meckel. No. 1,239,203; Sept. 4; v. 242; p. 154.
- Lubricator. W. W. Nugeht. No. 1,212,387; Jan. 16; v. 234; p. 757.
- Lubricator. B. V. Rose. No. 1,246,469; Nov. 13; v. 244; p. 428.
- Lubricator. O. Swanson. No. 1,229,822; June 12; v. 239; p. 537.
- Lubricator. C. H. Taylor. No. 1,217,663; Feb. 27; v. 235; p. 1249.
- Lubricator attachment. V. P. McVoy. No. 1,234,361; July 24; v. 240; p. 1030.
- Lug-strap, Wooden. T. E. Taylor. No. 1,240,268; Sept. 18; v. 242; p. 557.
- Luggage-carrier. C. W. Beck. No. 1,226,446; May 15; v. 238; p. 894.
- Luggage-carrier. J. F. Mergen and G. W. Hoover. No. 1,221,559; Apr. 3; v. 237; p. 197.
- Luggage-carrier. J. C. Morrison. No. 1,232,371; July 3; v. 240; p. 278.
- Luggage-carrier. E. B. Rupp. No. 1,221,909; Apr. 10; v. 237; p. 349.
- Luggage-carrier. G. G. Scott. No. 1,249,522; Dec. 11; v. 245; p. 347.
- Luggage-carrier for roadsters. E. Bersbach. No. 1,222,572; Apr. 10; v. 237; p. 583.
- Lumber and manufacturing the same, Composite. G. Tüschel. No. 1,217,369; Feb. 27; v. 235; p. 1141.
- Lumber and similar products, Apparatus for marking. B. F. Hendricks. No. 1,238,293; Aug. 28; v. 241; p. 993.
- Lumber during kilning, Method of and apparatus for preventing warping and twisting of. D. R. Tanner. No. 1,212,583; Jan. 16; v. 234; p. 827.
- Lumber-guide. N. Johnson. No. 1,229,279; June 12; v. 239; p. 354.
- Lumber-handling mechanism for kiln-drying. D. R. Tanner. No. 1,220,797; Mar. 27; v. 236; p. 1116.
- Lumber, Joint for end-matching. B. C. Rockwell. No. 1,212,262; Jan. 16; v. 234; p. 714.
- Lumber-jointing machines, Feeding device for. W. Wills. No. 1,248,967; Dec. 4; v. 245; p. 157.
- Lumber, Material for the preservation of. P. C. Reilly. No. 1,220,001; Mar. 20; v. 236; p. 801.
- Lumber-piler. E. Johnson. No. 1,231,027; June 26; v. 239; p. 1012.
- Lumber resistant to sap-stain, Rendering. C. H. Teesdale. No. 1,248,711; Dec. 4; v. 245; p. 84.
- Lumber-sorting mechanism. D. R. Tanner. No. 1,220,799; Mar. 27; v. 236; p. 1117.

- Lumber-stacker. R. E. Surlis. No. 1,225,523; May 8; v. 238; p. 538.
- Lumber-stacker for kiln-drying. D. R. Tanner. No. 1,220,798; Mar. 27; v. 236; p. 1117.
- Lumber, strips of material, or other articles according to size. Apparatus for sorting. A. T. Hallock. No. 1,245,584; Nov. 6; v. 244; p. 134.
- Lumber-tester. C. J. Zigler and W. P. Holden. No. 1,223,132; Apr. 17; v. 237; p. 817.
- Lumber-treating mechanism. C. A. Robinson. No. 1,237,558; Aug. 21; v. 241; p. 723.
- Lumber-trimmer. J. B. St. Louis, Sr. and E. E. Johnson. No. 1,236,228; Aug. 7; v. 241; p. 226.
- Lumber-trimmers. Loader for. H. S. Mitchell. No. 1,246,138; Nov. 13; v. 244; p. 328.
- Lumber-unloading mechanism. D. R. Tanner. No. 1,220,375; Mar. 27; v. 236; p. 972.
- Lunch-box. J. F. Smart and H. C. Magargal. No. 1,231,801; July 3; v. 240; p. 89.
- Lunch-box, Combination. T. C. Kutscher. No. 1,244,866; Oct. 30; v. 243; p. 1206.
- Lunch-container, Nested. S. Cozel. No. 1,238,746; Sept. 4; v. 242; p. 8.
- Lunch kit. Y. Hoshino. No. 1,240,144; Sept. 11; v. 242; p. 478.
- Lunch-room table. E. Reischmann. No. 1,229,138; June 5; v. 239; p. 257.
- Luncheon and carrying case, Combined. H. H. Labadie and B. B. Beers. No. 1,220,159; Mar. 20; v. 236; p. 862.
- Luncheon-case and the like. H. H. Labadie and B. B. Beers. No. 1,238,074; Aug. 21; v. 241; p. 887.
- Lymph-gland extract and making same. R. A. Archibald. No. 1,216,046; Feb. 13; v. 235; p. 588.
- Lyre, Illuminated music-. G. A. Hambricht. No. 1,243,600; Oct. 16; v. 243; p. 742.
- Macaroni-drying apparatus. A. Gallerani. No. 1,217,439; Feb. 27; v. 235; p. 1167.
- Machine-brake. A. T. Adams. No. 1,238,075; Aug. 28; v. 241; p. 919.
- Machine-brake. W. E. Edwards. No. 1,216,424; Feb. 20; v. 235; p. 774.
- Machine-brake. H. S. Germond, Jr. No. 1,228,203; May 29; v. 238; p. 1550.
- Machine-brake. C. C. Red and O. G. Ross. No. 1,210,986; Jan. 2; v. 234; p. 210.
- Machine elements, Guard for rotary. O. O. Storle. No. 1,236,119; Aug. 7; v. 241; p. 190.
- Machine-frame. B. D. Stevens. No. 1,225,282; May 8; v. 238; p. 456.
- Machine frame and base. H. B. Sherman. No. 1,251,430; Dec. 25; v. 245; p. 997.
- Machine-frames, Anchoring device for. F. Frustaglio. No. 1,233,399; Aug. 28; v. 241; p. 1026.
- Machine-protector. J. E. Donovan. No. 1,218,244; Mar. 6; v. 236; p. 125.
- Machine-stopping device, Automatic safety. F. P. Fellows. No. 1,224,622; May 1; v. 238; p. 181.
- Machine-table, Circular multiple. R. S. Arrants. No. 1,243,577; Oct. 16; v. 243; p. 735.
- Machine-tool. C. A. Alden. No. 1,211,381; Jan. 9; v. 234; p. 379.
- Machine-tool. F. J. Curtis. No. 1,248,276; Nov. 27; v. 244; p. 1018.
- Machine-tool. J. F. Demarchi. No. 1,246,245; Nov. 13; v. 244; p. 359.
- Machine-tool. W. F. Groene and H. C. Pierle. No. 1,248,317; Nov. 27; v. 244; p. 1029.
- Machine-tool. J. G. Oliver. No. 1,227,822; May 29; v. 238; p. 1424.
- Machine-tool. C. A. Parsons, A. Q. Carnegie, and S. S. Cook. No. 1,234,379; July 24; v. 240; p. 1036.
- Machine-tool, Automatic-feeding. A. Mutschler. No. 1,218,108; Mar. 6; v. 236; p. 77.
- Machine-tool-controlling mechanism. G. E. Hallenbeck. No. 1,235,314; July 31; v. 240; p. 1360.
- Machine-tool drive. C. G. Olson. No. 1,232,715; July 10; v. 240; p. 424.
- Machine-tool, Multiple-speed. G. E. Hallenbeck. No. 1,240,136; Sept. 11; v. 242; p. 475.
- Machine-tools, Hydraulic controlling device for. F. Wolfensberger. No. 1,232,880; July 10; v. 240; p. 478.
- Machinery blocks, Portable. R. C. Smoczynski. No. 1,250,374; Dec. 18; v. 245; p. 635.
- Machinery, Guard for. J. B. Holden. No. 1,228,920; June 5; v. 239; p. 185.
- Machinery, Safety device for. J. B. Carolin. No. 1,236,146; Aug. 7; v. 241; p. 198.
- Machining apparatus. T. F. Philippi. No. 1,219,038; Mar. 13; v. 236; p. 439.
- Magazine-pipe. J. H. Hoeffler. No. 1,232,310; July 3; v. 240; p. 259.
- Magazines and the like, Machine for making. H. A. W. Wood. No. 1,232,639; July 10; v. 240; p. 397.
- Magazines and the like, Protector for. E. Rosenbaum. No. 1,231,942; July 3; v. 240; p. 136.
- Magazines and the like, Protector for. E. Rosenbaum. No. 1,249,507; Dec. 11; v. 245; p. 343.
- Magnesia, Making. L. Jesser. No. 1,238,147; Aug. 28; v. 241; p. 943.
- Magnesia, Obtaining. H. McLoughlin. No. 1,248,880; Dec. 4; v. 245; p. 134.
- Magnesium compounds from magnesium-bearing rocks, Extracting. S. Peacock. No. 1,250,216; Dec. 18; v. 245; p. 588.
- Magnesium compounds from silicate minerals, Making. S. Peacock. No. 1,231,423; June 26; v. 239; p. 1146.
- Magnesium-containing pigment and paint. O. W. Pickering. No. 1,211,346; Jan. 2; v. 234; p. 332.
- Magnet, Alternating-current. W. S. Smith. No. 1,222,900; Apr. 17; v. 237; p. 737.
- Magnet-brake, Alternating-current. W. D. Lutz. No. 1,221,880; Apr. 10; v. 237; p. 338.
- Magnet, Governor-. T. Farmer, Jr. No. 1,217,928; Mar. 6; v. 236; p. 15.
- Magnet-switch. T. Varney. No. 1,246,363; Nov. 13; v. 244; p. 396.
- Magnetic apparatus. K. L. Curtis. No. 1,248,084; Nov. 27; v. 244; p. 963.
- Magnetic brake. C. Koch. No. 1,243,529; Oct. 16; v. 243; p. 721.
- Magnetic choking device. H. H. and W. Gifford. No. 1,231,875; July 3; v. 240; p. 115.
- Magnetic material. L. T. Frederick and L. McCulloch. No. 1,231,588; July 3; v. 240; p. 16.
- Magnetic objects, Method and apparatus for testing. F. P. Fahy. No. 1,223,377; Apr. 24; v. 237; p. 931.
- Magnetic separator. R. D. Pike. No. 1,233,804; July 17; v. 240; p. 813.
- Magneto. R. C. Danly. No. 1,214,014; Jan. 30; v. 234; p. 1386.
- Magneto. R. C. Danly. No. 1,214,015; Jan. 30; v. 234; p. 1386.
- Magneto. L. J. Flint. No. 1,249,732; Dec. 11; v. 245; p. 407.
- Magneto. P. Hamm. No. 1,224,535; May 1; v. 238; p. 150.
- Magneto. O. Heins and C. M. Wild. No. 1,225,380; May 8; v. 238; p. 474.
- Magneto. F. R. Hoyt. No. 1,222,869; Apr. 17; v. 237; p. 727.
- Magneto. L. H. N. Loupret. No. 1,231,919; July 3; v. 240; p. 128.
- Magneto. A. H. Neuland. No. 1,221,208; Apr. 3; v. 237; p. 74.
- Magneto. G. W. Wacker. No. 1,224,244; May 1; v. 238; p. 46.
- Magneto. G. W. Wacker. No. 1,224,245; May 1; v. 238; p. 46.
- Magneto. G. W. Wacker. No. 1,224,247; May 1; v. 238; p. 47.
- Magneto and horn, Combination. H. R. Van Deventer. No. 1,249,255; Dec. 4; v. 245; p. 239.
- Magneto attachment. H. R. Van Deventer. No. 1,211,507; Jan. 9; v. 234; p. 420.
- Magneto construction. S. C. McKeown. No. 1,249,152; Dec. 4; v. 245; p. 208.
- Magneto-distributors, Mount for. E. J. J. Salmson. No. 1,221,607; Apr. 3; v. 237; p. 211.
- Magneto-driving mechanism. W. B. Wrightsman. No. 1,228,864; June 5; v. 239; p. 167.
- Magneto-dynamo unit. O. Heins. No. 1,250,870; Dec. 18; v. 245; p. 783.
- Magneto, High-tension. J. R. Stark. No. 1,240,615; Sept. 18; v. 242; p. 663.
- Magneto impulse-starter. J. R. Stark. No. 1,235,077; July 31; v. 240; p. 1289.
- Magnetos and other purposes, Rotatable contact-breaker for. E. J. Pilblad. No. 1,241,273; Sept. 25; v. 242; p. 905.
- Magnetos, Contact apparatus for the electrical connection of. E. J. J. Salmson. No. 1,224,214; May 1; v. 238; p. 35.
- Magnetos, Driving-clutch for. D. Blanditi. No. 1,225,754; May 15; v. 238; p. 660.
- Magnetos, Driving connection for. L. W. Witry. No. 1,218,822; Mar. 13; v. 236; p. 864.
- Magnetos, Driving mechanism for. A. Maire. No. 1,241,134; Sept. 25; v. 242; p. 858.
- Magnetos, Intensifier for. N. and P. Ostenberg. No. 1,246,312; Nov. 13; v. 244; p. 379.
- Mail and milk box, Combination. J. Virovatz. No. 1,239,323; Sept. 4; v. 242; p. 193.
- Mail and package tying device. I. N. and P. M. Eaby. No. 1,228,192; May 29; v. 238; p. 1546.
- Mail appliance. W. H. Milleville. No. 1,245,259; Nov. 6; v. 244; p. 35.
- Mail-assorting device. W. A. Parker. No. 1,215,977; Feb. 13; v. 235; p. 563.
- Mail-assorting device. L. Rosenberg. No. 1,225,499; May 8; v. 238; p. 531.
- Mail-bag catcher. C. B. Davis. No. 1,250,808; Dec. 18; v. 245; p. 765.
- Mail-bag catcher. J. Fleming. No. 1,241,944; Oct. 2; v. 243; p. 152.
- Mail-bag catcher. J. G. Miller. No. 1,217,806. Feb. 27; v. 235; p. 1296.
- Mail-bag catcher, Automatic. J. B. Maranowski. No. 1,251,398; Dec. 25; v. 245; p. 988.
- Mail-bag catching and delivering device. M. L. Bowen. No. 1,214,127; Jan. 30; v. 234; p. 1424.
- Mail-bag closure. C. L. Daugherty. No. 1,228,652; June 5; v. 239; p. 93.
- Mail-bag collecting and delivering apparatus. A. J. Walter. No. 1,213,439; Jan. 23; v. 234; p. 1159.

Alphabetical list of inventions—Continued.

- Mail-bag delivering and receiving apparatus. J. H. Bickhard. No. 1,213,823; Jan. 30; v. 234; p. 1320.
- Mail-bag-delivering apparatus. J. C. Blanton and D. J. Sexton. No. 1,216,056; Feb. 13; v. 235; p. 592.
- Mail-bag-delivering apparatus. J. C. Blanton and D. J. Sexton. No. 1,244,284; Oct. 23; v. 243; p. 987.
- Mail-bag-delivery apparatus. B. Kaech. No. 1,213,106; Jan. 16; v. 234; p. 1009.
- Mail-bag interchanger. J. Walsh. No. 1,232,631; July 10; v. 240; p. 394.
- Mail-bag lock. J. A. Kidwell. No. 1,229,290; June 12; v. 239; p. 358.
- Mail-bag receiver. A. V. Simpson. No. 1,228,840; June 5; v. 239; p. 160.
- Mail-bag-receiving apparatus. R. G. Culp. No. 1,219,441; Mar. 20; v. 236; p. 607.
- Mail-bag-receiving apparatus. W. T. Smith. No. 1,242,381; Oct. 9; v. 243; p. 329.
- Mail-bag-retainer mechanism. J. P. Sander. No. 1,231,434; June 26; v. 239; p. 1149.
- Mail-bag-transfer device. W. J. Rhoads. No. 1,244,372; Oct. 23; v. 243; p. 1011.
- Mail-bag-transferring apparatus. W. H. Akens. No. 1,251,318; Dec. 25; v. 245; p. 965.
- Mail-bag-transferring apparatus. W. H. Akens. No. 1,251,319; Dec. 25; v. 245; p. 965.
- Mail-bag-transferring apparatus. J. M. Moreira. No. 1,245,493; Nov. 6; v. 244; p. 104.
- Mail-bag-transferring device. J. C. Jones. No. 1,227,914; May 29; v. 238; p. 1455.
- Mail-bag-supporting mechanism. J. P. Sander. No. 1,228,605; June 5; v. 239; p. 79.
- Mail-box. J. W. Allen. No. 1,237,739; Aug. 21; v. 241; p. 782.
- Mail-box. W. T. Benner. No. 1,213,792; Jan. 23; v. 234; p. 1279.
- Mail-box. J. E. Embrey. No. 1,250,998; Dec. 25; v. 245; p. 871.
- Mail-box. C. F. Farrar. No. 1,211,425; Jan. 9; v. 234; p. 394.
- Mail-box. A. Gloss. No. 1,229,743; June 12; v. 239; p. 510.
- Mail-box. H. D. Graves. No. 1,237,199; Aug. 14; v. 241; p. 567.
- Mail-box. R. S. Homan. No. 1,245,719; Nov. 6; v. 244; p. 175.
- Mail-box. A. Pludowski. No. 1,220,549; Mar. 27; v. 236; p. 1033.
- Mail-box. H. P. Sickels. No. 1,239,733; Sept. 11; v. 242; p. 352.
- Mail-box. J. W. Taylor. No. 1,210,562; Jan. 2; v. 234; p. 64.
- Mail-box. T. Turnbull. No. 1,245,136; Oct. 30; v. 243; p. 1282.
- Mail-box. A. J. Waltermire. No. 1,215,753; Feb. 13; v. 235; p. 481.
- Mail-box and milk-bottle holder, Combined. J. L. Bryfogle and J. B. Kester. No. 1,233,972; July 17; v. 240; p. 869.
- Mail-box for rural free-delivery routes. H. L. Moon. No. 1,244,229; Oct. 23; v. 243; p. 970.
- Mail-box indicator. L. C. Blackburn. No. 1,239,342; Sept. 4; v. 242; p. 199.
- Mail-box lock. J. S. McDonald. No. 1,235,707; Aug. 7; v. 241; p. 56.
- Mail-box-locking device. W. P. Goins. No. 1,213,863; Jan. 30; v. 234; p. 1334.
- Mail-box, Parcel-post. A. R. Hesse. No. 1,212,948; Jan. 16; v. 234; p. 954.
- Mail-box, Permutation-lock-controlled. A. Miklea. No. 1,247,133; Nov. 20; v. 244; p. 658.
- Mail-box post. M. E. Brandvold. No. 1,249,315; Dec. 11; v. 245; p. 288.
- Mail-box, Rural. S. Aldal. No. 1,215,093; Feb. 6; v. 235; p. 214.
- Mail-box, Rural. A. Schubert. No. 1,248,171; Nov. 27; v. 244; p. 988.
- Mail-box, Rural-free-delivery. J. E. Shinn. No. 1,232,616; July 10; v. 240; p. 391.
- Mail-box support. B. N. Bruning. No. 1,225,571; May 8; v. 238; p. 556.
- Mail-box support. J. T. Conrad. No. 1,216,951; Feb. 20; v. 235; p. 954.
- Mail-box support. J. H. Creswell. No. 1,215,915; Feb. 13; v. 235; p. 540.
- Mail-boxes, Door-operating mechanism for. W. S. Calcote. No. 1,216,067; Feb. 13; v. 235; p. 595.
- Mail-carrier. W. D. Berry. No. 1,216,930; Feb. 20; v. 235; p. 946.
- Mail-carrier. W. E. Borden. No. 1,226,851; May 22; v. 238; p. 1067.
- Mail-carrier. B. Farling. No. 1,251,001; Dec. 25; v. 245; p. 872.
- Mail-carrier, Electric. F. E. Perkins. No. 1,250,002; Dec. 11; v. 245; p. 486.
- Mail-carrier, Rural. L. R. Bruckner and J. W. Murphy. No. 1,240,022; Sept. 11; v. 242; p. 442.
- Mail-carrier's case, Rural. G. Campbell. No. 1,223,474; Apr. 24; v. 237; p. 966.
- Mail-carrying apparatus. C. A. McDougall and J. M. Givens. No. 1,236,459; Aug. 14; v. 241; p. 330.
- Mail-catcher. W. B. Chatham. No. 1,236,908; Aug. 14; v. 241; p. 477.
- Mail-catcher. C. C. Jones. No. 1,243,945; Oct. 23; v. 243; p. 885.
- Mail-catcher. G. R. Marshall. No. 1,227,473; May 22; v. 238; p. 1274.
- Mail-catcher. E. G. Moyer. No. 1,251,267; Dec. 25; v. 245; p. 949.
- Mail-catcher. B. F. Neel. No. 1,249,993; Dec. 11; v. 245; p. 483.
- Mail-catcher. J. A. Starr. No. 1,220,284; Mar. 27; v. 236; p. 940.
- Mail-catcher. W. R. West. No. 1,224,433; May 1; v. 238; p. 116.
- Mail-catcher. W. H. Whitney. No. 1,219,611; Mar. 20; v. 236; p. 666.
- Mail catching and delivering apparatus. J. B. Cary. No. 1,223,852; Apr. 24; v. 237; p. 1100.
- Mail catching and delivering apparatus. J. D. Denburger. No. 1,225,594; May 8; v. 238; p. 564.
- Mail catching and delivering apparatus. F. Mathews. No. 1,217,478; Feb. 27; v. 235; p. 1180.
- Mail catching and delivering apparatus. P. A. Shaver. No. 1,229,331; June 12; v. 239; p. 372.
- Mail catching and delivering device. V. D. Caldwell. No. 1,244,582; Oct. 30; v. 243; p. 1115.
- Mail catching and ejecting device on railways. W. M. Baum. No. 1,250,268; Dec. 18; v. 245; p. 604.
- Mail-catching device. H. Crisler. No. 1,221,147; Apr. 3; v. 237; p. 51.
- Mail-catching device. L. H. Lloyd. No. 1,229,103; June 5; v. 239; p. 245.
- Mail-chute. J. P. Linton. No. 1,232,058; July 3; v. 240; p. 177.
- Mail chute and receptacle. R. C. Riegg. No. 1,227,934; May 29; v. 238; p. 1462.
- Mail-crane. H. H. Pollock. No. 1,222,026; Apr. 10; v. 237; p. 390.
- Mail-crane. E. Taylor. No. 1,219,191; Mar. 13; v. 236; p. 490.
- Mail-delivering apparatus. H. Bacon. No. 1,216,264; Feb. 20; v. 235; p. 717.
- Mail-delivery apparatus. G. W. Farthing. No. 1,249,055; Dec. 4; v. 245; p. 181.
- Mail-distributing apparatus. D. B. Johnson. No. 1,251,383; Dec. 25; v. 245; p. 984.
- Mail-elevator. G. D. Peterson. No. 1,218,800; Mar. 13; v. 236; p. 356.
- Mail-exchange apparatus, Railway-. A. Hupp. No. 1,243,606; Oct. 16; v. 243; p. 744.
- Mail-handling apparatus. J. P. Bogert. No. 1,249,307; Dec. 11; v. 245; p. 285.
- Mail-handling device. J. L. Kost. No. 1,239,492; Sept. 11; v. 242; p. 274.
- Mail-marking machine. A. Ielfield. No. 1,243,740; Oct. 23; v. 243; p. 821.
- Mail-marking machine. H. Walker. No. 1,214,243; Jan. 30; v. 234; p. 1464.
- Mail-marking machines, Feeding and separating device for. W. D. Jones. No. 1,214,474; Jan. 30; v. 234; p. 1542.
- Mail-pouch. H. E. Smith. No. 1,230,937; June 26; v. 239; p. 981.
- Mail-pouch rack. V. Willoughby. No. 1,224,823; May 1; v. 238; p. 251.
- Mail-rack. T. V. Gallagher. No. 1,225,123; May 8; v. 238; p. 404.
- Mail-rack, Collapsible. H. L. Bittle. No. 1,216,250; Feb. 13; v. 235; p. 660.
- Mail receiving and delivering apparatus. J. A. Chambers. No. 1,213,458; Jan. 23; v. 234; p. 1167.
- Mail-selecting apparatus. C. C. Cadden. No. 1,237,747; Aug. 21; v. 241; p. 784.
- Mail-separating device for pigeonholes. W. Mann. No. 1,217,973; Mar. 6; v. 236; p. 30.
- Mail-separating device for pigeonholes. W. Mann. No. 1,220,525; Mar. 27; v. 236; p. 1025.
- Mail-sorting, postmarking, and stamp-canceling device. E. G. Hopp. No. 1,217,092; Feb. 20; v. 235; p. 1001.
- Mail, Tie-up stand for. J. A. Zerwer. No. 1,229,006; June 5; v. 239; p. 213.
- Mail-transferring apparatus. C. Bernhard. No. 1,217,394; Feb. 27; v. 235; p. 1150.
- Mail-transferring apparatus. H. J. H. Lafleche. No. 1,235,578; Aug. 7; v. 241; p. 16.
- Mail-transferring device. D. L. Calahan. No. 1,247,636; Nov. 27; v. 244; p. 833.
- Mail-transferring mechanism. C. W. Roberson. No. 1,249,670; Dec. 11; v. 245; p. 389.
- Mailing-card. G. W. Cobel. No. 1,213,748; Jan. 23; v. 234; p. 1263.
- Mailing-card. W. W. and C. G. McClay. No. 1,244,522; Oct. 30; v. 243; p. 1095.
- Mailing-card. S. W. Young. No. 1,214,867; Feb. 6; v. 235; p. 133.
- Mailing-card, Identifying. E. G. Pickering. No. 1,221,903; Apr. 10; v. 237; p. 347.
- Mailing-carton. F. E. Uttmark. No. 1,219,886; Mar. 20; v. 236; p. 761.
- Mailing-envelope. T. Felenchak. No. 1,245,447; Nov. 6; v. 244; p. 91.
- Mailing-envelope. W. H. Hart, Jr. No. 1,216,800; Feb. 20; v. 235; p. 904.
- Mailing-package. Double-compartment. C. P. Chamberlin and C. T. Fezzey. No. 1,212,128; Jan. 9; v. 234; p. 635.

- Mailing package, Sample. J. L. Cabell. No. 1,213,586; Jan. 23; v. 234; p. 1211.
- Mailing receptacle, Coin-. E. J. Evans. No. 1,235,194; July 31; v. 240; p. 1323.
- Main-spring-drives, Equalizer for. F. Gundorph. No. 1,221,986; Apr. 10; v. 237; p. 376.
- Make-and-break controlling device. J. R. Jackson and F. H. Davis. No. 1,220,341; Mar. 27; v. 236; p. 961.
- Make-and-break device, Automatic. P. S. Keenan. No. 1,229,473; June 12; v. 239; p. 420.
- Make-up gage. C. L. Friel. No. 1,232,675; July 10; v. 240; p. 410.
- Mallet, Stamping-. J. E. Caya. No. 1,233,311; July 17; v. 240; p. 652.
- Malt syrup, Making. H. T. Neidlinger. No. 1,227,184; May 22; v. 238; p. 1182.
- Maltose and making the same. F. J. Hemig. No. 1,214,160; Jan. 30; v. 234; p. 1435.
- Mandolin and guitar, Combined. H. G. Luis. No. 1,241,639; Oct. 2; v. 243; p. 56.
- Mandolin bow or pick. F. T. Griffin. No. 1,241,370; Sept. 25; v. 242; p. 934.
- Mandrel. H. B. Wallace. No. 1,227,509; May 22; v. 238; p. 1287.
- Mandrel, Expanding-. W. H. Lutz. No. 1,245,361; Nov. 6; v. 244; p. 66.
- Mandrel, Expansion-. M. J. Maloy. No. 1,232,704; July 10; v. 240; p. 420.
- Mandrel for welding sections of sheet-metal conduit or pipe together. T. A. Errett. No. 1,240,326; Sept. 18; v. 242; p. 576.
- Mandrel-press. W. J. O. Johnson. No. 1,222,631; Apr. 17; v. 237; p. 645.
- Manganese carbonate, Oxidation of. M. L. Kaplan. No. 1,247,278; Nov. 20; v. 244; p. 699.
- Manganese depolarizing compound, Non-hydrated moisture-containing. C. Ellis. No. 1,228,359; May 29; v. 238; p. 1602.
- Manganous manganate and permanganate depolarizing agent. C. Ellis. No. 1,232,904; July 10; v. 240; p. 487.
- Manger-curb mold. W. Loudon. No. 1,228,937; June 5; v. 239; p. 190.
- Manger, Self-cleaning. G. W. Wooldridge. No. 1,213,053; Jan. 16; v. 234; p. 990.
- Manger, Slow-feed. J. I. Brown. No. 1,229,026; June 5; v. 239; p. 219.
- Mangle, Clothes-. E. Kavecansky. No. 1,251,384; Dec. 25; v. 245; p. 984.
- Mangle, Clothes-. J. Sobanski. No. 1,234,503; July 24; v. 240; p. 1077.
- Mangle feed-hopper, Laundry-. F. M. Overholt and A. G. Granbois. No. 1,226,246; May 15; v. 238; p. 828.
- Mangle-gear. G. H. Goldsmith. No. 1,239,386; Sept. 4; v. 242; p. 213.
- Manicure implement, Pocket. A. K. Potter. No. 1,240,485; Sept. 18; v. 242; p. 625.
- Manicure instrument. J. B. Williamson. No. 1,234,845; July 31; v. 240; p. 1214.
- Manicuring device. A. N. Clark. No. 1,219,626; Mar. 20; v. 236; p. 671.
- Manicuring device. P. M. Knudsen. No. 1,231,270; June 26; v. 239; p. 1094.
- Manicuring implement, Combination. E. F. Voss. No. 1,212,589; Jan. 16; v. 234; p. 829.
- Manifold. L. S. Gardner. No. 1,246,903; Nov. 20; v. 244; p. 593.
- Manifold. G. McFarland. No. 1,249,647; Dec. 11; v. 245; p. 382.
- Manifolds, Distributor for intake-. H. T. Alumbaugh. No. 1,250,753; Dec. 18; v. 245; p. 748.
- Manifolding apparatus. A. Krauth. No. 1,225,140; May 8; v. 238; p. 409.
- Manifolding device. E. K. Bottle. No. 1,217,399; Feb. 27; v. 235; p. 1152.
- Manifolding device. A. Krauth. No. 1,212,509; Jan. 16; v. 234; p. 801.
- Manifolding device. A. C. V. Malm. No. 1,246,632; Nov. 13; v. 244; p. 477.
- Manifolding device. M. C. Stern. No. 1,247,891; Nov. 27; v. 244; p. 910.
- Manometer. J. H. Cotton. No. 1,240,123; Sept. 11; v. 242; p. 472.
- Manually-propelled boat. L. Pavese. No. 1,244,073; Oct. 23; v. 243; p. 923.
- Manure-distributor. S. H. Garst. No. 1,215,794; Feb. 13; v. 235; p. 496.
- Manure-distributor. W. F. Reuter. No. 1,236,358; Aug. 7; v. 241; p. 264.
- Manure-drill. R. L. Harrill. No. 1,224,538; May 1; v. 238; p. 151.
- Manure-loader. R. Shedenhelm. No. 1,226,125; May 15; v. 238; p. 785.
- Manure-loader. W. L. Ullsperger. No. 1,242,083; Oct. 2; v. 243; p. 195.
- Manure-loader. W. Williams. No. 1,216,902; Feb. 20; v. 235; p. 937.
- Manure or fertilizer, Manufacture of an artificial. A. Messerschmidt. No. 1,214,346; Jan. 30; v. 234; p. 1501.
- Manure-scraper, Hand. L. Heller and E. Neese. No. 1,229,955; June 12; v. 239; p. 579.
- Manure-spreader. T. Brown. No. 1,215,614; Feb. 13; v. 235; p. 433.
- Manure-spreader. T. Brown. No. 1,215,615; Feb. 13; v. 235; p. 434.
- Manure-spreader. T. Brown. No. 1,215,616; Feb. 13; v. 235; p. 434.
- Manure-spreader. T. Brown. No. 1,226,746; May 22; v. 238; p. 1031.
- Manure-spreader. T. Brown. No. 1,247,631; Nov. 27; v. 244; p. 831.
- Manure-spreader. W. J. Cook. No. 1,224,903; May 8; v. 238; p. 329.
- Manure-spreader. J. D. Curtis. No. 1,250,981; Dec. 25; v. 245; p. 867.
- Manure-spreader. A. L. Hewitt. No. 1,251,372; Dec. 25; v. 245; p. 981.
- Manure-spreader. W. C. Jirdinston. No. 1,218,860; Mar. 13; v. 236; p. 381.
- Manure-spreader. W. H. Lee. No. 1,242,705; Oct. 9; v. 243; p. 434.
- Manure-spreader. M. H. Madsen. No. 1,234,362; July 24; v. 240; p. 1031.
- Manure-spreader. R. N. Milet. No. 1,247,703; Nov. 27; v. 244; p. 854.
- Manure-spreader attachment. G. H. Bruner. No. 1,233,749; July 17; v. 240; p. 796.
- Manure-spreader cylinders, Automatic teeth-cleaning attachment for. J. W. A. McGilvrey. No. 1,227,919; May 29; v. 238; p. 1457.
- Manure-spreaders, Wide-spread attachment for. T. Brown. No. 1,247,632; Nov. 27; v. 244; p. 832.
- Manure, Treatment of. P. J. A. Maignen. No. 1,218,678; Mar. 13; v. 236; p. 310.
- Map. A. W. Bjornstad. No. 1,213,064; Jan. 16; v. 234; p. 994.
- Map-case. T. H. Costello. No. 1,233,315; July 17; v. 240; p. 653.
- Map-case. F. H. Swanson. No. 1,234,415; July 24; v. 240; p. 1049.
- Map-holding and reading apparatus. F. A. Antoni. No. 1,216,393; Feb. 20; v. 235; p. 763.
- Map-mounting. T. H. Costello. No. 1,233,314; July 17; v. 240; p. 653.
- Map-rack, Adjustable. C. H. Walker. No. 1,251,145; Dec. 25; v. 245; p. 914.
- Maps, charts, and the like, Apparatus for carrying and exhibiting. C. H. Cooper. No. 1,247,227; Nov. 20; v. 244; p. 685.
- Maps, Place-finder for. T. H. Black. No. 1,245,311; Nov. 6; v. 244; p. 51.
- Marble-machine. G. J. Cook. No. 1,226,313; May 15; v. 238; p. 853.
- Marcel waver. C. Lavie. No. 1,217,610; Feb. 27; v. 235; p. 1229.
- Margarin, Manufacture of. K. Erslev. No. 1,216,674; Feb. 20; v. 235; p. 860.
- Margarin, Manufacture of. K. Erslev. No. 1,216,675; Feb. 20; v. 235; p. 860.
- Margarin, Manufacture of. K. Erslev. No. 1,232,016; July 3; v. 240; p. 162.
- Marker. R. F. Cairns. No. 1,238,000; Aug. 21; v. 241; p. 863.
- Marker-gage and square. H. Tallakson. No. 1,216,010; Feb. 13; v. 235; p. 574.
- Marker, Land-. D. De Vries. No. 1,237,178; Aug. 14; v. 241; p. 561.
- Marker, Land-. J. A. Grenke. No. 1,232,288; July 3; v. 240; p. 252.
- Marker, Land-. C. A. and A. L. Hansen. No. 1,219,454; Mar. 20; v. 236; p. 611.
- Marking device. J. E. Burns. No. 1,242,918; Oct. 16; v. 243; p. 536.
- Marking device. B. H. Werner. No. 1,237,983; Aug. 21; v. 241; p. 857.
- Marking-gage. G. G. Blanford. No. 1,234,719; July 31; v. 240; p. 1178.
- Marking implement. E. A. Hawthorne. No. 1,222,948; Apr. 17; v. 237; p. 753.
- Marking-machine. F. F. Akerly. No. 1,220,584; Mar. 27; v. 236; p. 1046.
- Marking-machine. F. A. Putnam and C. F. Robbins. No. 1,247,876; Nov. 27; v. 244; p. 905.
- Marking-machines and the like, Combined guard and tension attachment for. C. C. Mitchell. No. 1,228,946; June 5; v. 239; p. 192.
- Marking-pot and stencil-brush inker, Combination. C. F. Payne. No. 1,227,927; May 29; v. 238; p. 1459.
- Marking-stake. J. R. Beery. No. 1,220,716; Mar. 27; v. 236; p. 1089.
- Marlinespike. C. G. Hall. No. 1,212,345; Jan. 16; v. 234; p. 743.
- Mash and strainer tank machine. A. R. Keller. No. 1,213,381; Jan. 23; v. 234; p. 1139.
- Masher, Vegetable-. W. G. Pancoast. No. 1,219,580; Mar. 20; v. 236; p. 656.
- Mask. C. V. Arbogast and G. Wesner. No. 1,218,352; Mar. 6; v. 236; p. 162.
- Mask, Base-ball. J. Lajcak. No. 1,222,002; Apr. 10; v. 237; p. 381.
- Mask, Physician's. H. A. Hecht. No. 1,221,446; Apr. 3; v. 237; p. 156.
- Mask, Protective. S. Synohubky. No. 1,224,039; Apr. 24; v. 237; p. 1163.

Alphabetical list of inventions—Continued.

- Masking device, Automatic. J. L. Blickenstaff and J. H. Werking. No. 1,235,100; July 31; v. 240; p. 1295.
- Massage apparatus. J. C. Johansen. No. 1,210,809; Jan. 2; v. 234; p. 148.
- Massage apparatus. J. Sabatino. No. 1,222,472; Apr. 10; v. 237; p. 548.
- Massage apparatus. S. H. Scandlyn. No. 1,215,996; Feb. 13; v. 235; p. 569.
- Massage apparatus. E. R. Talley. No. 1,212,845; Jan. 16; v. 234; p. 918.
- Massage apparatus, Electrical. T. Bollin. No. 1,240,410; Sept. 18; v. 242; p. 601.
- Massage apparatus, Electrical. S. W. Hills. No. 1,234,763; July 31; v. 240; p. 1191.
- Massage-apparatus motor. G. F. Nelson. No. 1,224,008; Apr. 24; v. 237; p. 1153.
- Massage apparatus, Pneumatic. H. L. Hopkins. No. 1,217,886; Feb. 27; v. 235; p. 1322.
- Massage device. J. E. Ahlman. No. 1,233,537; July 17; v. 240; p. 727.
- Massage device. A. L. Hansen. No. 1,211,576; Jan. 9; v. 234; p. 444.
- Massage device. H. L. Hoard. No. 1,214,305; Jan. 30; v. 234; p. 1488.
- Massage device. H. L. Hoard. No. 1,214,306; Jan. 30; v. 234; p. 1488.
- Massage device, Vacuum. J. G. Schleuter. No. 1,226,702; May 22; v. 238; p. 1016.
- Massage device, Vacuum. A. L. Smith. No. 1,213,701; Jan. 23; v. 234; p. 1248.
- Massage, Portable hand instrument for abdominal. T. Bollin. No. 1,234,860; July 31; v. 240; p. 1220.
- Massage treatment. H. E. McLain. No. 1,234,700; July 24; v. 240; p. 1136.
- Massage-vibrator. W. Broad. No. 1,234,619; July 24; v. 240; p. 1113.
- Massaging device. O. J. Swenson. No. 1,239,539; Sept. 11; v. 242; p. 290.
- Massaging implement. W. J. Stevenson. No. 1,237,570; Aug. 21; v. 241; p. 726.
- Massaging-machine. L. W. G. Flynt. No. 1,250,118; Dec. 11; v. 245; p. 519.
- Mast, Extensible. B. F. Seymour. No. 1,250,108; Dec. 11; v. 245; p. 516.
- Mast, Telescopic. M. Guichard. No. 1,221,723; Apr. 3; v. 237; p. 250.
- Mast, Telescopic. O. P. Lively. No. 1,212,968; Jan. 16; v. 234; p. 962.
- Master-die for forging dies for drop-hammers, presses, and the like. A. F. Arthur. No. 1,231,324; June 26; v. 239; p. 1111.
- Master-die for forging dies for drop-hammers, presses, and the like. A. F. Arthur. No. 1,231,470; June 26; v. 239; p. 1161.
- Mat: See—
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| Asbestos mat. | Link mat. |
| Automobile-mat. | Matrix-molding mat. |
| Bath-tub mat. | Reversible mat. |
| Ground-mat. | Supporting-mat. |
| Lantern-slide mat. | Table-mat. |
- Mat-holder. H. Goodacre and A. H. Allen. No. 1,241,957; Oct. 2; v. 243; p. 155.
- Mats. Securing device for. C. F. Kress, Jr. No. 1,236,946; Aug. 14; v. 241; p. 490.
- Match-books, &c., Machine for assembling. M. Paridon. No. 1,217,991; Mar. 6; v. 236; p. 35.
- Match-books, &c., Machine for assembling. M. Paridon. No. 1,217,992; Mar. 6; v. 236; p. 36.
- Match-books, &c., Machine for assembling. W. Roberts. No. 1,218,000; Mar. 6; v. 236; p. 39.
- Match-books, &c., Machine for packing. J. C. Donnelly. No. 1,217,923; Mar. 6; v. 236; p. 13.
- Match-box. J. T. Ankers. No. 1,227,362; May 22; v. 238; p. 1239.
- Match-box. W. A. Dalton and O. J. Rainville. No. 1,215,123; Feb. 6; v. 235; p. 223.
- Match-box. F. W. Decker. No. 1,218,530; Mar. 6; v. 236; p. 221.
- Match-box. W. A. Fairburn. No. 1,247,248; Nov. 20; v. 244; p. 692.
- Match-box. E. E. Ford. No. 1,232,910; July 10; v. 240; p. 488.
- Match-box. E. A. Franklin. No. 1,216,978; Feb. 20; v. 235; p. 964.
- Match-box. F. Heesh. No. 1,221,732; Apr. 3; v. 237; p. 253.
- Match-box. Y. Kurokawa. No. 1,229,479; June 12; v. 239; p. 422.
- Match-box. D. Leonard. No. 1,229,982; June 12; v. 239; p. 587.
- Match-box. C. F. Mann. No. 1,223,189; Apr. 17; v. 237; p. 837.
- Match-box. A. Pilger. No. 1,248,908; Dec. 4; v. 245; p. 141.
- Match-box. A. Prévost. No. 1,237,954; Aug. 21; v. 241; p. 848.
- Match-box. G. F. Waugh. No. 1,243,907; Oct. 23; v. 243; p. 874.
- Match-box. E. W. Worden. No. 1,216,907; Feb. 20; v. 235; p. 939.
- Match box and igniter, Combined. V. A. Kirkeby. No. 1,235,488; July 31; v. 240; p. 1411.
- Match box and lighter. F. J. Seaver. No. 1,249,212; Dec. 4; v. 245; p. 227.
- Match-box attachment. C. H. Troup. No. 1,221,488; Apr. 3; v. 237; p. 170.
- Match-box, Automatic. J. J. Mouawad. No. 1,245,945; Nov. 6; v. 244; p. 241.
- Match-box, Combination. E. Zanoni. No. 1,237,140; Aug. 14; v. 241; p. 551.
- Match-box holder. W. P. Goebel. No. 1,243,674; Oct. 16; v. 243; p. 766.
- Match-box holder. E. B. King. No. 1,216,325; Feb. 20; v. 235; p. 738.
- Match-box holder and cigar-tip cutter, Combined. A. H. Merrill. No. 1,220,442; Mar. 27; v. 236; p. 996.
- Match-box holder, Safety. W. B. Pankratz. No. 1,220,539; Mar. 27; v. 236; p. 1030.
- Match-box, Metal. A. Dunhill. No. 1,218,382; Mar. 6; v. 236; p. 172.
- Match-box, Pocket. J. H. Deweese. No. 1,225,939; May 15; v. 238; p. 722.
- Match-box, Safety. G. Perera. No. 1,236,758; Aug. 14; v. 241; p. 430.
- Match card, Safety-. B. N. Handler and A. Alexander. No. 1,232,300; July 3; v. 240; p. 256.
- Match-case. J. H. Astruck. No. 1,214,115; Jan. 30; v. 234; p. 1420.
- Match-case and cigar-tip cutter, Combined. N. Levitt and C. Gold. No. 1,249,138; Dec. 4; v. 245; p. 204.
- Match ejecting and lighting mechanism. R. P. Ensinger. No. 1,237,184; Aug. 14; v. 241; p. 563.
- Match-holder. J. F. O'Malley. No. 1,221,581; Apr. 3; v. 237; p. 204.
- Match-holder, Dispensing. C. H. Odell. No. 1,212,994; Jan. 16; v. 234; p. 972.
- Match-igniting device. J. E. Neahr. No. 1,216,349; Feb. 20; v. 235; p. 746.
- Match-ignition material to book-matches, &c., Means for applying. M. Paridon. No. 1,247,995; Nov. 27; v. 244; p. 939.
- Match-machine. J. C. Donnelly. No. 1,236,687; Aug. 14; v. 241; p. 406.
- Match-machine. J. C. Donnelly and W. Roberts. No. 1,236,688; Aug. 14; v. 241; p. 407.
- Match-machine. S. M. Friede and W. B. Hutchinson. No. 1,240,837; Sept. 25; v. 242; p. 767.
- Match-machine. W. Roberts. No. 1,236,764; Aug. 14; v. 241; p. 432.
- Match machine, Book-. W. H. Parker. No. 1,210,526; Jan. 2; v. 234; p. 51.
- Match-making machine. H. A. Gsell. No. 1,234,012; July 17; v. 240; p. 880.
- Match-manufacturing machine, Automatic. S. Hatakeyama. No. 1,218,651; Mar. 13; v. 236; p. 301.
- Match-packing machine. C. F. Sommers. No. 1,211,773; Jan. 9; v. 234; p. 511.
- Match-pad case, Safety-. A. Schickerling. No. 1,240,262; Sept. 18; v. 242; p. 555.
- Match-safe. L. Kofol. No. 1,234,911; July 31; v. 240; p. 1238.
- Match-safe. O. Lewis. No. 1,235,341; July 31; v. 240; p. 1368.
- Match-safe. E. J. Snapp. No. 1,217,649; Feb. 27; v. 235; p. 1244.
- Match-safe, Single-delivery. M. L. Weeks. No. 1,241,456; Sept. 25; v. 242; p. 959.
- Match-scratching attachment. M. B. Crane and W. H. Mills. No. 1,238,270; Aug. 28; v. 241; p. 985.
- Match-splints into conveyer-plates or the like, Machine for pushing. J. G. Sjöström. No. 1,236,992; Aug. 14; v. 241; p. 505.
- Match-splints with powdered material, Means for treating. F. W. Lane. No. 1,230,416; June 19; v. 239; p. 767.
- Match-striker. P. S. Roberts. No. 1,212,810; Jan. 16; v. 234; p. 907.
- Match-striker and check-holder, Combined. A. J. Ayers. No. 1,247,614; Nov. 27; v. 244; p. 827.
- Matches, Machine for making card-. M. Paridon. No. 1,217,993; Mar. 6; v. 236; p. 36.
- Matches, &c., Mechanism for straightening and assembling. M. Paridon. No. 1,236,753; Aug. 14; v. 241; p. 429.
- Matcher-head. F. L. Lane. No. 1,213,888; Jan. 30; v. 234; p. 1342.
- Material-handling apparatus. A. C. Johnston. No. 1,232,559; July 10; v. 240; p. 372.
- Materials, Treating. J. W. Hornsey. No. 1,214,164; Jan. 30; v. 234; p. 1436.
- Materials, Treating. F. W. Yost. No. 1,231,831; July 3; v. 240; p. 100.
- Matrices, Apparatus for drying. H. A. W. Wood. No. 1,245,547; Nov. 6; v. 244; p. 123.
- Matrices, Making. E. R. Richards. No. 1,222,138; Apr. 10; v. 237; p. 428.
- Matrix. L. H. Baekeland. No. 1,233,298; July 17; v. 240; p. 648.
- Matrix broach-molding device. A. E. Markwell. No. 1,218,680; Mar. 13; v. 236; p. 311.
- Matrix-distributing mechanism. D. Petri-Palmedo. No. 1,221,088; Apr. 3; v. 237; p. 30.
- Matrix-drying machine. H. A. W. Wood. No. 1,211,994; Jan. 9; v. 234; p. 592.
- Matrix-escapement. H. Petersen. No. 1,231,785; July 3; v. 240; p. 84.
- Matrix molding device. A. E. Markwell. No. 1,226,556; May 15; v. 238; p. 929.

- Matrix molding device. A. E. Markwell. No. 1,226,557; May 15; v. 238; p. 930.
- Matrix-molding mat. F. E. Ellis. No. 1,237,493; Aug. 21; v. 241; p. 701.
- Matrix or type bar or holder. E. E. Wilson. No. 1,225,093; May 8; v. 238; p. 394.
- Mattress. C. E. Bero. No. 1,214,415; Jan. 30; v. 234; p. 1524.
- Mattress. G. Dallavalle. No. 1,243,267; Oct. 16; v. 243; p. 643.
- Mattress. O. R. Hunt. No. 1,228,213; May 29; v. 238; p. 1553.
- Mattress. G. E. Kerivan. No. 1,228,783; June 5; v. 239; p. 140.
- Mattress. T. F. Kronlund. No. 1,238,302; Aug. 28; v. 241; p. 996.
- Mattress. S. J. Lavezzi. No. 1,245,244; Nov. 6; v. 244; p. 31.
- Mattress. D. Micon. No. 1,211,475; Jan. 9; v. 234; p. 409.
- Mattress. G. F. Sisbower and L. E. Pittoni. No. 1,240,501; Sept. 18; v. 242; p. 630.
- Mattress. W. Thompson. No. 1,227,022; May 22; v. 238; p. 1127.
- Mattress, Adjustable. V. S. Thirlwall. No. 1,230,446; June 19; v. 239; p. 778.
- Mattress and spring. B. D. Thompson. No. 1,214,970; Feb. 6; v. 235; p. 171.
- Mattress-clamp. R. H. Anderson. No. 1,231,469; June 26; v. 239; p. 1160.
- Mattress-cover. W. G. and H. V. Metzger. No. 1,250,201; Dec. 18; v. 245; p. 584.
- Mattress, Folding spring. H. and N. M. Freedman. No. 1,246,254; Nov. 13; v. 244; p. 362.
- Mattress-frame. F. G. Gale. No. 1,210,633; Jan. 2; v. 234; p. 88.
- Mattress-guard. R. G. Marquardt and O. H. Stuewe. No. 1,219,655; Mar. 20; v. 236; p. 682.
- Mattress. Hinged spring-wire. D. Kuperman. No. 1,214,187; Jan. 30; v. 234; p. 1444.
- Mattress-making apparatus. W. R. Phillips. No. 1,244,773; Oct. 30; v. 243; p. 1173.
- Mattress-making machine. C. M. Adams. No. 1,242,303; Oct. 9; v. 243; p. 806.
- Mattress or the like. G. A. Franz. No. 1,213,858; Jan. 30; v. 234; p. 1332.
- Mattress-roll former and filler. W. R. Phillips. No. 1,230,922; June 26; v. 239; p. 975.
- Mattress, Sanitary. B. D. Courts. No. 1,211,548; Jan. 9; v. 234; p. 436.
- Mattress, Spring. F. N. Johnson. No. 1,250,892; Dec. 18; v. 245; p. 790.
- Mattress-tightener. Mechanical. R. Joy. No. 1,222,297; Apr. 10; v. 237; p. 484.
- Mattress-tufting machine. G. Dillon. No. 1,211,924; Jan. 9; v. 234; p. 567.
- Mattress, Wire. W. Lewis. No. 1,225,258; May 8; v. 238; p. 447.
- Mattress, Wire. G. F. Sisbower and L. E. Pittoni. No. 1,234,226; July 24; v. 240; p. 986.
- Mattress, Wire. F. M. Tinkham. No. 1,221,392; Apr. 3; v. 237; p. 137.
- Mattresses, &c., Inspection-opening for. C. H. Young. No. 1,212,432; Jan. 16; v. 234; p. 773.
- Maul, Lift-cutting. D. Parks. No. 1,228,961; June 5; v. 239; p. 197.
- Mausoleum. W. Edwards. No. 1,234,740; July 31; v. 240; p. 1184.
- Mausoleum. D. M. Rothenberger. No. 1,237,823; Aug. 21; v. 241; p. 807.
- Mausoleum construction. S. Lovell. No. 1,244,109; Oct. 23; v. 243; p. 934.
- Maximum-demand indicating instrument. C. I. Hall. No. 1,214,029; Jan. 30; v. 234; p. 1392.
- Maximum-demand indicator. J. T. Beechlyn. No. 1,239,339; Sept. 4; v. 242; p. 198.
- Maximum-demand recorder. C. I. Hall. No. 1,217,301; Feb. 27; v. 235; p. 1118.
- Mayonnaise dressing, Device for use in the preparation of. G. W. Kelly. No. 1,220,426; Mar. 27; v. 236; p. 990.
- Mayonnaise-mixer. W. J. Drucker. No. 1,240,688; Sept. 18; v. 242; p. 687.
- Measure. W. Ehrlich. No. 1,226,484; May 15; v. 238; p. 906.
- Measure, Multiple-spoon. C. Brunkhurst. No. 1,249,017; Dec. 4; v. 245; p. 171.
- Measure, Tape. A. E. Anderson. No. 1,248,435; Dec. 4; v. 245; p. 3.
- Measure, Tape. C. W. Crogan. No. 1,216,418; Feb. 20; v. 235; p. 772.
- Measure, Tape. C. W. Crogan. No. 1,233,034; July 10; v. 240; p. 527.
- Measures, Hinged bottom for dry. C. P. Garten. No. 1,217,588; Feb. 27; v. 235; p. 1222.
- Measurer, Liquid. L. von Lossau. No. 1,211,794; Jan. 9; v. 234; p. 519.
- Measuring and container-charging machine, Liquid. B. E. Taylor. No. 1,246,180; Nov. 13; v. 244; p. 339.
- Measuring and determining distances, Instrument for. J. G. Hanks. No. 1,219,304; Mar. 13; v. 236; p. 528.
- Measuring and dispensing apparatus, Liquid. C. F. Brown. No. 1,224,355; May 1; v. 238; p. 87.
- Measuring and dispensing machine, Cloth. L. Rosenfeld and J. W. Thompson. No. 1,227,322; May 22; v. 238; p. 1227.
- Measuring and filling machine. C. H. Ayars. No. 1,232,172; July 3; v. 240; p. 214.
- Measuring and mixing device. G. J. Olney. No. 1,226,108; May 15; v. 238; p. 780.
- Measuring apparatus. R. S. Blair. No. 1,244,693; Oct. 30; v. 243; p. 1147.
- Measuring apparatus. J. W. Gamble. No. 1,218,643; Mar. 13; v. 236; p. 298.
- Measuring apparatus. G. H. Gibson. No. 1,249,614; Dec. 11; v. 245; p. 373.
- Measuring apparatus. D. W. Uber. No. 1,228,991; June 5; v. 239; p. 207.
- Measuring apparatus, Electrical. E. F. Northrup. No. 1,245,609; Nov. 6; v. 244; p. 142.
- Measuring apparatus, Electrical. E. F. Northrup. No. 1,245,956; Nov. 6; v. 244; p. 245.
- Measuring apparatus, Liquid. E. Garvey. No. 1,211,430; Jan. 9; v. 234; p. 395.
- Measuring apparatus, Liquid. J. A. and G. W. MacKenzie, Jr. No. 1,228,363; May 29; v. 238; p. 1603.
- Measuring apparatus, Liquid. J. A. and G. W. MacKenzie. No. 1,242,831; Oct. 9; v. 243; p. 474.
- Measuring belts under tension, Method and means for. C. G. Barth and F. Öyen. No. 1,250,943; Dec. 25; v. 245; p. 855.
- Measuring, cost-computing, and winding machine, Ribbon. W. E. Hosch. No. 1,242,192; Oct. 9; v. 243; p. 270.
- Measuring device. P. A. Boynton. No. 1,226,855; May 22; v. 238; p. 1068.
- Measuring device. E. E. Costley. No. 1,236,272; Aug. 7; v. 241; p. 238.
- Measuring device. A. R. Gibbons. No. 1,234,009; July 17; v. 240; p. 879.
- Measuring device. N. Ottinger. No. 1,237,808; Aug. 21; v. 241; p. 802.
- Measuring device. A. Pestel. No. 1,248,905; Dec. 4; v. 245; p. 141.
- Measuring device. A. Schuster. No. 1,229,798; June 12; v. 239; p. 528.
- Measuring device. W. J. Sullivan. No. 1,226,722; May 22; v. 238; p. 1023.
- Measuring device. I. R. Taylor. No. 1,248,035; Nov. 27; v. 244; p. 948.
- Measuring device. C. Wilder. No. 1,222,168; Apr. 10; v. 237; p. 439.
- Measuring device. J. W. Witsett. No. 1,233,737; July 17; v. 240; p. 793.
- Measuring device, Automatic. J. B. Giffey and T. H. Howell. No. 1,250,847; Dec. 18; v. 245; p. 777.
- Measuring device, Beer. J. Van Geem. No. 1,210,567; Jan. 2; v. 234; p. 66.
- Measuring device, Belt. A. Davis. No. 1,225,223; May 8; v. 238; p. 436.
- Measuring device, Distance. C. von Hofe. No. 1,247,185; Nov. 20; v. 244; p. 673.
- Measuring device, Fluid. S. F. Mioton. No. 1,236,967; Aug. 14; v. 241; p. 497.
- Measuring device for containers. E. Sterns. No. 1,213,918; Jan. 30; v. 234; p. 1353.
- Measuring device for liquid-containers. C. Kaiser. No. 1,233,791; July 17; v. 240; p. 809.
- Measuring device, High-potential. J. C. Armor. No. 1,229,699; June 12; v. 239; p. 496.
- Measuring device, Liquid. F. W. Dulanoy. No. 1,235,120; July 31; v. 240; p. 1302.
- Measuring device, Liquid. A. G. Stohn and F. Lacroix. No. 1,223,120; Apr. 17; v. 237; p. 813.
- Measuring device, Rope. S. H. Heimark. No. 1,225,128; May 8; v. 238; p. 405.
- Measuring device, Single-phase power-factor. B. H. Smith. No. 1,248,568; Dec. 4; v. 245; p. 42.
- Measuring device, Skirt. M. Nack. No. 1,249,807; Dec. 11; v. 245; p. 430.
- Measuring device, Taper and angle. J. M. Wall and C. Meldrum. No. 1,215,443; Feb. 13; v. 235; p. 369.
- Measuring device, Tension. L. S. Burbank. No. 1,211,820; Jan. 9; v. 234; p. 529.
- Measuring device, Wire. L. Kramer. No. 1,222,957; Apr. 17; v. 237; p. 756.
- Measuring device, Yarn. M. L. Schwartzman and A. R. Simon. No. 1,248,174; Nov. 27; v. 244; p. 989.
- Measuring distance. R. A. Fessenden. No. 1,217,585; Feb. 27; v. 235; p. 1220.
- Measuring electrical energy, Device for. J. S. Piper. No. 1,242,472; Oct. 9; v. 243; p. 359.
- Measuring electrical energy, Means for. J. C. Wilson. No. 1,236,130; Aug. 7; v. 241; p. 193.
- Measuring feed-water, &c., Apparatus for. W. F. Bilyeu. No. 1,226,847; May 22; v. 238; p. 1066.
- Measuring-gage, Accurate. C. E. Johansson. No. 1,217,312; Feb. 27; v. 235; p. 1121.
- Measuring gage and marker, Skirt. D. Sullivan. No. 1,224,683; May 1; v. 238; p. 202.
- Measuring instrument. G. H. Baker. No. 1,237,603; Aug. 21; v. 241; p. 737.
- Measuring instrument. E. Brunton. No. 1,221,668; Apr. 3; v. 237; p. 231.
- Measuring instrument. J. L. Conner. No. 1,229,233; June 12; v. 239; p. 338.

Alphabetical list of inventions—Continued.

- Measuring instrument. L. O. Erickson. No. 1,224,725; May 1; v. 238; p. 218.
- Measuring instrument. H. A. Ewen. No. 1,220,833; Mar. 27; v. 236; p. 1131.
- Measuring instrument. S. Heath. No. 1,245,340; Nov. 6; v. 244; p. 59.
- Measuring instrument. W. E. Meadwell. No. 1,239,502; Sept. 11; v. 242; p. 277.
- Measuring instrument. A. J. Taylor. No. 1,244,390; Oct. 23; v. 243; p. 1017.
- Measuring instrument. P. C. Woods. No. 1,244,570; Oct. 30; v. 243; p. 1111.
- Measuring instrument and timing device therefor, Electricity-. C. I. Hall. No. 1,217,302; Feb. 27; v. 235; p. 1119.
- Measuring instrument, Electrical. W. Anthony. No. 1,223,306; Apr. 17; v. 237; p. 873.
- Measuring instrument, Electrical. W. E. Beede. No. 1,220,587; Mar. 27; v. 236; p. 1047.
- Measuring instrument, Electrical. W. M. Bradshaw and W. G. Mylius. No. 1,226,056; May 15; v. 238; p. 762.
- Measuring instrument, Electrical. P. MacGahan. No. 1,227,468; May 22; v. 238; p. 1273.
- Measuring instrument, Electrical. P. MacGahan. No. 1,229,767; June 12; v. 239; p. 518.
- Measuring instrument, Electrical. W. G. Mylius and B. G. La Bar. No. 1,248,527; Dec. 4; v. 245; p. 28.
- Measuring instrument, Electrical. W. E. Porter and A. L. R. Ellis. No. 1,241,275; Sept. 25; v. 242; p. 906.
- Measuring instrument, Electrical. R. Shand. No. 1,236,114; Aug. 7; v. 241; p. 188.
- Measuring instrument, Electrical. H. B. Taylor. No. 1,234,964; July 31; v. 240; p. 1255.
- Measuring instrument, Electrical. H. B. Taylor. No. 1,236,786; Aug. 14; v. 241; p. 439.
- Measuring instrument, Electrical. T. W. Varley. No. 1,234,976; July 31; v. 240; p. 1258.
- Measuring instrument for Röntgen rays. R. Fürstenau. No. 1,229,740; June 12; v. 239; p. 508.
- Measuring instrument for tailors. C. H. Craig. No. 1,225,930; May 15; v. 238; p. 719.
- Measuring instrument, Tailor's. C. E. Reed. No. 1,215,193; Feb. 6; v. 235; p. 247.
- Measuring instrument, Tailor's. C. E. Reed. No. 1,237,958; Aug. 21; v. 241; p. 849.
- Measuring instrument, Temperature-. T. Spooner. No. 1,227,337; May 22; v. 238; p. 1201.
- Measuring instruments and the like, Damping device for. E. Brettinger. No. 1,214,507; Feb. 6; v. 235; p. 8.
- Measuring instruments, Manufacturing electric. E. Neubaur. No. 1,246,308; Nov. 13; v. 244; p. 378.
- Measuring instruments, Movable element for electrical. S. Trood. No. 1,214,096; Jan. 30; v. 234; p. 1414.
- Measuring instruments, Spring control for electrical. E. P. Noyes. No. 1,235,366; July 31; v. 240; p. 1375.
- Measuring instruments, Temperature-compensating device for thermo-electric. W. H. Bristol. (Reissue.) No. 1,280; Apr. 3; v. 237; p. 283.
- Measuring-jacket for ready-made clothing. E. Levi. No. 1,248,510; Dec. 4; v. 245; p. 23.
- Measuring keys, Device for. A. Ettinger. No. 1,250,999; Dec. 25; v. 245; p. 872.
- Measuring machine, Cloth-. G. F. Mansfield. No. 1,238,798; Sept. 4; v. 242; p. 24.
- Measuring machine, Leather-. D. P. O'Brien. No. 1,230,507; June 19; v. 239; p. 799.
- Measuring mechanism, Fluid-. J. W. Ledoux. No. 1,225,977; May 15; v. 238; p. 735.
- Measuring or check-measuring the dimensions of solid bodies, Means for. C. H. Frichard and F. W. Wetherell. No. 1,234,702; July 24; v. 240; p. 1136.
- Measuring or controlling instrument. E. H. Bristol. No. 1,234,126; July 24; v. 240; p. 952.
- Measuring ribbons and the like, Apparatus for. H. H. Kurkjian. No. 1,246,285; Nov. 13; v. 244; p. 372.
- Measuring-tape. E. L. Saxton. (Reissue.) No. 1,4409; Dec. 11; v. 245; p. 526.
- Measuring textile fabric and computing the price thereof, Apparatus for. J. C. Gebhart. No. 1,250,845; Dec. 18; v. 245; p. 776.
- Measuring textile fabric and computing the price thereof, Machine for. J. C. Gebhart. No. 1,250,843; Dec. 18; v. 245; p. 775.
- Measuring textile fabric and computing the price thereof, Machine for. J. C. Gebhart. No. 1,250,844; Dec. 18; v. 245; p. 776.
- Measuring the flow of a liquid stream. E. S. Cole. No. 1,229,718; June 12; v. 239; p. 501.
- Measuring the gloss of non-metallic surfaces, Apparatus for. L. R. Ingersoll. No. 1,225,250; May 8; v. 238; p. 445.
- Measuring the hardness of metals, &c., Apparatus for. L. Waldo. No. 1,228,503; June 5; v. 239; p. 44.
- Measuring the quantity of liquid in open and closed vessels, Apparatus for. F. H. Clift. No. 1,237,478; Aug. 21; v. 241; p. 696.
- Measuring the stringing of shot, Method of and apparatus for. S. W. Farnham and F. W. Olin. No. 1,226,762; May 22; v. 238; p. 1037.
- Measuring the turbidity of liquids, Instrument for. O. M. Smith. No. 1,232,989; July 10; v. 240; p. 513.
- Measuring the twist of shafts, Apparatus for. H. H. Cummings. No. 1,227,043; May 22; v. 238; p. 1134.
- Measuring the viscosity of fluids. A. L. Collins. No. 1,224,142; May 1; v. 238; p. 9.
- Measuring wells, Device for. C. A. Wilkins. No. 1,251,152; Dec. 25; v. 245; p. 916.
- Meat-chopper. P. and C. S. Ganzhorn. No. 1,215,362; Feb. 13; v. 235; p. 340.
- Meat-chopper. T. F. Rataiczak. No. 1,219,586; Mar. 20; v. 236; p. 657.
- Meat-chopper and the like. H. L. Johnston. No. 1,219,557; Mar. 20; v. 236; p. 648.
- Meat-clamp. A. J. Martin. No. 1,215,950; Feb. 13; v. 235; p. 553.
- Meat compound preserved by means of sugar, Alimentary. A. Machado. No. 1,245,751; Nov. 6; v. 244; p. 184.
- Meat-curing process. J. W. Hammett. No. 1,241,374; Sept. 25; v. 242; p. 935.
- Meat-cutter. C. Lindsey. No. 1,218,096; Mar. 6; v. 236; p. 72.
- Meat-cutter. I. N. Royal. No. 1,243,448; Oct. 16; v. 243; p. 697.
- Meat-cutter. W. R. Woods. No. 1,214,739; Feb. 6; v. 235; p. 90.
- Meat-cutting knife. H. Von Wolforsdorf. No. 1,239,237; Sept. 4; v. 242; p. 166.
- Meat-cutting machine. P. J. Bryan. No. 1,250,555; Dec. 18; v. 245; p. 690.
- Meat-cutting machine. H. Luer. No. 1,239,926; Sept. 11; v. 242; p. 414.
- Meat-cutting machines, Meat-holder for. J. C. Van Berkel. No. 1,232,628; July 10; v. 240; p. 394.
- Meat food products, Pickling, curing, treating, and handling. A. N. Benn. No. 1,221,957; Apr. 10; v. 237; p. 366.
- Meat-grinders, Attachment for. B. J. Moss. No. 1,235,995; Aug. 7; v. 241; p. 152.
- Meat-grinding attachment. W. R. Johnston and J. A. Schlotterbeck. No. 1,217,006; Feb. 20; v. 235; p. 973.
- Meat of sea mammals fit for food, Making the. G. A. Holzapfel. No. 1,223,790; Apr. 24; v. 237; p. 1079.
- Meat-press. A. M. Demuth. No. 1,249,348; Dec. 11; v. 245; p. 297.
- Meat-stacker. E. M. Stiles. No. 1,231,959; July 3; v. 240; p. 141.
- Meat-stacker. E. M. Stiles. No. 1,231,960; July 3; v. 240; p. 142.
- Meat-support. R. Gorham and C. G. Cary. No. 1,222,390; Apr. 10; v. 237; p. 518.
- Meats, Curing. H. D. Baumgardner. No. 1,217,134; Feb. 27; v. 235; p. 1062.
- Meats, Curing. G. F. Doran. No. 1,212,614; Jan. 16; v. 234; p. 838.
- Meats, Duplex process for smoke-curing. A. C. Legg. No. 1,250,934; Dec. 18; v. 245; p. 802.
- Meats, Producing smoke for curing. R. J. Gaudy. No. 1,225,798; May 15; v. 238; p. 675.
- Meats with a view to conserve the same in a fresh condition in open air, Treating fresh. J. J. Monovisin. No. 1,219,130; Mar. 13; v. 236; p. 470.
- Mechanical agitator. M. P. P. Riis. No. 1,247,013; Nov. 20; v. 244; p. 624.
- Mechanical battle. J. Bailey. No. 1,214,744; Feb. 6; v. 235; p. 92.
- Mechanical-device stand. R. H. Henderson. No. 1,238,015; Aug. 21; v. 241; p. 867.
- Mechanical digger. A. M. Goodwin and J. N. Weaver. No. 1,238,509; Aug. 28; v. 241; p. 1062.
- Mechanical eye. P. C. Jacquero. No. 1,233,242; July 10; v. 240; p. 594.
- Mechanical lock or grip. T. P. O'Grady. No. 1,243,338; Oct. 16; v. 243; p. 665.
- Mechanical motor. J. A. Gygar. No. 1,243,163; Oct. 16; v. 243; p. 611.
- Mechanical movement. E. B. Allen. No. 1,234,997; July 31; v. 240; p. 1264.
- Mechanical movement. M. G. Armstrong. No. 1,222,712; Apr. 17; v. 237; p. 673.
- Mechanical movement. E. E. and D. Arney. No. 1,241,697; Oct. 2; v. 243; p. 73.
- Mechanical movement. C. C. Blake. No. 1,241,911; Oct. 2; v. 243; p. 142.
- Mechanical movement. W. R. Chittenden. No. 1,211,409; Jan. 9; v. 234; p. 388.
- Mechanical movement. A. H. De Voe. No. 1,231,136; June 26; v. 239; p. 1050.
- Mechanical movement. K. Eggart. No. 1,234,742; July 31; v. 240; p. 1185.
- Mechanical movement. J. E. Emley. No. 1,213,850; Jan. 30; v. 234; p. 1330.
- Mechanical movement. J. Estock. No. 1,239,169; Sept. 4; v. 242; p. 144.
- Mechanical movement. C. J. W. Hayes. No. 1,246,918; Nov. 20; v. 244; p. 597.
- Mechanical movement. W. H. and J. A. Hoeschen. No. 1,218,771; Mar. 13; v. 236; p. 345.
- Mechanical movement. C. M. Holley and C. C. Jennings. No. 1,210,649; Jan. 2; v. 234; p. 95.
- Mechanical movement. F. T. Johnson. No. 1,218,778; Mar. 13; v. 236; p. 347.
- Mechanical movement. J. Kiewicz. No. 1,234,771; July 31; v. 240; p. 1194.
- Mechanical movement. J. Konar. No. 1,225,442; May 8; v. 238; p. 513.

- Mechanical movement. A. Kregling. No. 1,249,423; Dec. 11; v. 245; p. 317.
- Mechanical movement. W. S. Miller. No. 1,221,471; Apr. 3; v. 237; p. 165.
- Mechanical movement. T. A. Nolan. No. 1,212,385; Jan. 16; v. 234; p. 756.
- Mechanical movement. H. G. Pape. No. 1,216,483; Feb. 20; v. 235; p. 794.
- Mechanical movement. H. G. Pape. No. 1,246,646; Nov. 13; v. 244; p. 481.
- Mechanical movement. C. Pauli. No. 1,215,056; Feb. 6; v. 235; p. 203.
- Mechanical movement. R. H. Pietzsch and W. Hurleman. No. 1,231,062; June 26; v. 239; p. 1025.
- Mechanical movement. A. L. Powell. No. 1,217,823; Feb. 27; v. 235; p. 1302.
- Mechanical movement. C. F. Schweitzer. No. 1,221,097; Apr. 3; v. 237; p. 33.
- Mechanical movement. R. F. Segerberg. No. 1,225,510; May 8; v. 238; p. 534.
- Mechanical movement. R. P. Stineman and O. O. Taylor. No. 1,236,498; Aug. 14; v. 241; p. 344.
- Mechanical movement. J. H. Taylor. No. 1,237,125; Aug. 14; v. 241; p. 547.
- Mechanical movement. L. C. Thompson. No. 1,233,619; July 17; v. 240; p. 757.
- Mechanical movement. L. C. Thompson. No. 1,238,361; Aug. 28; v. 241; p. 1014.
- Mechanical movement and apparatus embodying the same. W. B. Miller. No. 1,246,977; Nov. 20; v. 244; p. 613.
- Mechanical movement, Intermittent. M. Segel. No. 1,212,570; Jan. 16; v. 234; p. 823.
- Mechanical-movement mechanism. A. F. Miller. No. 1,223,509; Apr. 24; v. 237; p. 979.
- Mechanically-operated furnace. O. D. Cotton. No. 1,233,554; July 17; v. 240; p. 734.
- Mechanically-operated indicator. C. E. Taylor. No. 1,239,741; Sept. 11; v. 242; p. 355.
- Mechanotherapy receivers, Adjuster for pneumatic. H. N. D. Parker. No. 1,240,246; Sept. 18; v. 242; p. 350.
- Medical apparatus. O. Hammerstein. No. 1,222,945; Apr. 17; v. 237; p. 752.
- Medical appliance. F. J. Stuart. No. 1,239,634; Sept. 11; v. 242; p. 319.
- Medical device for treating venereal diseases. E. J. Latta. No. 1,228,451; June 5; v. 239; p. 26.
- Medicament and producing the same. A. D. Barr. No. 1,235,278; July 31; v. 240; p. 1349.
- Medicament-container. M. L. C. V. De Vessey. No. 1,237,244; Aug. 14; v. 241; p. 583.
- Medicated tampon. E. M. Pond. No. 1,234,383; July 24; v. 240; p. 1037.
- Medicinal composition containing oil. O. K. Zwingerberger. No. 1,235,179; July 31; v. 240; p. 1319.
- Medicinal compound. W. J. Knox. No. 1,210,949; Jan. 2; v. 234; p. 198.
- Medicinal properties of the *Larrea Mexicana* or *hedionda*. Making and extracting the. C. R. Blundell. No. 1,250,132; Dec. 18; v. 245; p. 562.
- Medicinal-vapor generating and fumigating apparatus. J. F. Class. No. 1,223,032; Apr. 17; v. 237; p. 782.
- Medicine-administering device. I. M. Lewis. No. 1,215,823; Feb. 13; v. 235; p. 507.
- Medicine-card. A. E. Ainslie. No. 1,220,926; Mar. 27; v. 236; p. 1159.
- Medicine device. A. A. Martini. No. 1,211,737; Jan. 9; v. 234; p. 498.
- Medicine-injecting apparatus. M. S. Reynolds. No. 1,216,361; Feb. 20; v. 235; p. 750.
- Megaphone, Collapsible. G. F. Hooley. No. 1,211,584; Jan. 9; v. 234; p. 447.
- Melting device, Auxiliary. G. E. Lee. No. 1,233,068; July 10; v. 240; p. 538.
- Melting furnace, Metal. D. S. Marfield. No. 1,229,494; June 12; v. 239; p. 426.
- Melting-pot. C. A. Fraser and F. M. Henry. No. 1,226,496; May 15; v. 238; p. 911.
- Melting-pot feeder. G. L. Fort. No. 1,226,651; May 22; v. 238; p. 999.
- Melting-pot or crucible. J. C. Henderson. No. 1,241,971; Oct. 2; v. 243; p. 160.
- Melting-pots, Delivery means for. J. K. Stewart. No. 1,219,357; Mar. 13; v. 236; p. 546.
- Membrane from animal tissue, Making. F. A. Von Brecht. No. 1,235,947; Aug. 7; v. 241; p. 138.
- Memorial and sepulcher, Ledger-type. A. W. Graham. No. 1,219,725; Mar. 20; v. 236; p. 705.
- Mercury-rectifier distributing system. N. W. Storer. No. 1,239,841; Sept. 11; v. 242; p. 387.
- Mercury-vapor apparatus. P. H. Thomas. No. 1,235,741; Aug. 7; v. 241; p. 68.
- Mercury-vapor apparatus and the like, Magnetically-controlled. J. Jonas. No. 1,212,774; Jan. 16; v. 234; p. 896.
- Mercury-vapor apparatus, Multiple-anode. J. R. Baker. No. 1,224,701; May 1; v. 238; p. 208.
- Meridian-finder and latitude-indicator. G. A. Rossiter. No. 1,226,385; May 15; v. 238; p. 876.
- Merry-go-round. P. Held. No. 1,234,473; July 24; v. 240; p. 1067.
- Merry-go-round. L. M. Maxham. No. 1,236,962; Aug. 14; v. 241; p. 495.
- Mess and ice box. C. C. Edwards. No. 1,221,711; Apr. 3; v. 237; p. 246.
- Message-register-test set. B. H. Skinner. No. 1,236,492; Aug. 14; v. 241; p. 341.
- Metal article and making same. C. H. Humphries. No. 1,229,960; June 12; v. 239; p. 581.
- Metal article, Composite. F. A. Fahrenwald. No. 1,228,194; May 29; v. 238; p. 1547.
- Metal article, Protected. P. M. Stewart. No. 1,236,994; Aug. 14; v. 241; p. 506.
- Metal articles by deposit, Manufacturing. H. C. Kirk, Jr., and G. H. Dumlér. No. 1,219,466; Mar. 20; v. 236; p. 615.
- Metal articles, Pickling. A. F. Hoffman and W. M. Parkin. No. 1,221,735; Apr. 3; v. 237; p. 254.
- Metal articles, Producing pressed. A. Grob. No. 1,248,482; Dec. 4; v. 245; p. 16.
- Metal articles, Shaping. F. G. Wacker. No. 1,234,586; July 24; v. 240; p. 1103.
- Metal-bar-cutting machine. E. F. Hoffmann. No. 1,245,460; Nov. 6; v. 244; p. 95.
- Metal-bearing substances, Reducing. G. L. Fogler. No. 1,227,127; May 22; v. 238; p. 1163.
- Metal-bending machine. J. M. Fedders. No. 1,226,490; May 15; v. 238; p. 909.
- Metal-bending machine. G. E. Wheeler. No. 1,237,732; Aug. 21; v. 241; p. 779.
- Metal bin. A. A. Kramer. No. 1,220,240; Mar. 27; v. 236; p. 923.
- Metal blocker, Strip-. J. G. Menzer. No. 1,230,750; June 19; v. 239; p. 879.
- Metal blocks or plates, Process of and apparatus for electrically making holes in. T. E. Murray, Jr. No. 1,233,689; July 17; v. 240; p. 777.
- Metal blocks or plates, Process of and apparatus for electrically making holes in. T. E. Murray, Jr. No. 1,233,690; July 17; v. 240; p. 778.
- Metal bodies, Producing. C. L. Gebauer. No. 1,223,322; Apr. 17; v. 237; p. 878.
- Metal bodies, Producing hollow. E. G. Cook. No. 1,250,802; Dec. 18; v. 245; p. 763.
- Metal bodies, Uniting. A. W. Richards. No. 1,227,830; May 29; v. 238; p. 1427.
- Metal-boring machine. W. L. Schellenbach. No. 1,250,362; Dec. 18; v. 245; p. 631.
- Metal bridging device. H. C. Beckner and J. A. Ahlers. No. 1,212,172; Jan. 16; v. 234; p. 679.
- Metal by sweating, Uniting together plates of. S. B. Field. No. 1,247,250; Nov. 20; v. 244; p. 692.
- Metal casings to iron cores, Applying firmly-adhesive. P. E. Preschlin. No. 1,242,589; Oct. 9; v. 243; p. 398.
- Metal chair. P. P. Wendell. No. 1,250,061; Dec. 11; v. 245; p. 502.
- Metal-coated sheet. W. G. Koch. No. 1,223,399; Apr. 24; v. 237; p. 938.
- Metal composition. H. K. Sandell. No. 1,223,002; Apr. 17; v. 237; p. 772.
- Metal compounds of orthooxyazo dyestuffs and making same. C. Jagerspacher. No. 1,216,813; Feb. 20; v. 235; p. 908.
- Metal, Cutting. J. R. Rose. No. 1,242,243; Oct. 9; v. 243; p. 286.
- Metal-cutting apparatus. L. W. Kile. No. 1,244,744; Oct. 30; v. 243; p. 1164.
- Metal-cutting apparatus. J. R. Rose. No. 1,233,706; July 17; v. 240; p. 783.
- Metal, Device of expanded. T. W. Varley. No. 1,228,853; June 5; v. 239; p. 164.
- Metal-expanding machines, Sheet-feeding process for. H. E. White. No. 1,230,635; June 19; v. 239; p. 843.
- Metal fabric. M. Lachman. No. 1,228,789; June 5; v. 239; p. 141.
- Metal for rolling, Process and apparatus for heating. J. B. McKibbin. No. 1,227,163; May 22; v. 238; p. 1176.
- Metal-forming machine. J. A. Fraser. No. 1,227,604; May 29; v. 238; p. 1347.
- Metal frame. D. J. Murnane. No. 1,246,453; Nov. 13; v. 244; p. 422.
- Metal-heating furnace. Z. B. Leonard. No. 1,241,526; Oct. 2; v. 243; p. 17.
- Metal-hydroxid solutions, Making. C. P. Hoover. No. 1,238,916; Sept. 4; v. 242; p. 63.
- Metal in ingot-molds, Compound for covering the top of molten. J. E. Sheaffer. No. 1,212,825; Jan. 16; v. 234; p. 912.
- Metal joint. J. Burns. No. 1,230,376; June 19; v. 239; p. 755.
- Metal joint. F. Kusterlee. No. 1,214,043; Jan. 30; v. 234; p. 1397.
- Metal lap, External. L. S. Rasmussen and H. B. Carlson. No. 1,221,472; Apr. 3; v. 237; p. 165.
- Metal lap, Internal. L. S. Rasmussen and H. B. Carlson. No. 1,215,059; Feb. 6; v. 235; p. 204.
- Metal manufacture, Expanded. N. E. Clark. No. 1,224,104; Apr. 24; v. 237; p. 1185.
- Metal, Method and apparatus for comminuting. R. Palmer and N. H. Adams. No. 1,213,876; Jan. 30; v. 234; p. 1346.
- Metal, Method and apparatus for electrically heating. W. E. Foley. No. 1,217,431; Feb. 27; v. 235; p. 1164.
- Metal molding and casting appliance. A. C. Atkinson. No. 1,225,206; May 8; v. 238; p. 430.

Alphabetical list of inventions—Continued.

- Metal ornament and making same, Decorated. S. H. Geer. No. 1,210,637; Jan. 2; v. 234; p. 90.
- Metal panel-work. M. Lachman. No. 1,210,953; Jan. 2; v. 234; p. 199.
- Metal parts, Connecting hollow. F. Amlot. No. 1,250,411; Dec. 18; v. 245; p. 647.
- Metal-plate-bending apparatus. T. E. Murray, Jr. No. 1,237,371; Aug. 21; v. 241; p. 663.
- Metal-plate-cleaning machine. F. W. Carrington. No. 1,218,523; Mar. 6; v. 236; p. 219.
- Metal plates, Apparatus for electrically making cup-shaped projections in. T. E. Murray, Jr. No. 1,242,580; Oct. 9; v. 243; p. 395.
- Metal plates, Metallic mounting for. E. K. Day. No. 1,218,172; Mar. 6; v. 236; p. 99.
- Metal plates, Method of and apparatus for electrically making openings in. T. E. Murray, Jr. No. 1,242,581; Oct. 9; v. 243; p. 395.
- Metal plates or blocks, Process of and apparatus for electrically dividing. T. E. Murray, Jr. No. 1,233,691; July 17; v. 240; p. 778.
- Metal plates, Separating. S. Trood. No. 1,219,198; Mar. 13; v. 236; p. 493.
- Metal-pouring apparatus. Hot. E. J. Reilly. No. 1,246,783; Nov. 13; v. 244; p. 520.
- Metal-punching machine. L. A. Hawthorne. No. 1,241,255; Sept. 25; v. 242; p. 898.
- Metal-punching machine. L. A. Hawthorne. No. 1,241,258; Sept. 25; v. 242; p. 899.
- Metal-punching machine. L. A. Hawthorne. No. 1,241,267; Sept. 25; v. 242; p. 903.
- Metal-punching machine. E. V. Wurts. No. 1,241,269; Sept. 25; v. 242; p. 904.
- Metal-punching machines, Machine for making templet-strips for. J. D. Morgan. No. 1,241,264; Sept. 25; v. 242; p. 902.
- Metal-reducing machine. B. M. W. Hanson. No. 1,219,305; Mar. 13; v. 236; p. 529.
- Metal rods, Apparatus for cleaning hollow. D. W. Dunlevy. No. 1,231,579; July 3; v. 240; p. 13.
- Metal rods, Treating. V. E. Edwards. No. 1,232,014; July 3; v. 240; p. 161.
- Metal, Rust-proofing. W. H. Allen. No. 1,215,463; Feb. 13; v. 235; p. 375.
- Metal-sawing machine. C. L. Taylor. No. 1,227,695; May 29; v. 238; p. 1380.
- Metal-shearing appliance. C. R. Montgomery. No. 1,229,120; June 5; v. 239; p. 250.
- Metal sheets, Apparatus for conveying and piling. G. E. Melown. No. 1,216,832; Feb. 20; v. 235; p. 914.
- Metal sheets, Apparatus for forming protected. J. H. Caffrey. No. 1,212,324; Jan. 16; v. 234; p. 736.
- Metal sheets, Apparatus for handling. S. H. Carbls. No. 1,224,521; May 1; v. 238; p. 145.
- Metal sheets, Attaching coated. O. M. Otte. No. 1,231,290; June 26; v. 239; p. 1100.
- Metal sheets, Feeding and spacing mechanism for. J. Gardner. No. 1,220,623; Mar. 27; v. 236; p. 1058.
- Metal sheets, Utilizing the edge portions of. R. E. Dunham. No. 1,248,830; Dec. 4; v. 245; p. 120.
- Metal structure, Protected. P. M. Stewart. No. 1,243,001; Oct. 16; v. 243; p. 563.
- Metal structures, Making expanded. H. E. White. No. 1,212,863; Jan. 16; v. 234; p. 924.
- Metal structures, Temporary connection for. W. D. Gemmill. No. 1,232,527; July 10; v. 240; p. 363.
- Metal structures, Temporary connection for. W. D. Gemmill. No. 1,232,528; July 10; v. 240; p. 363.
- Metal structural member and building construction. W. C. Edwards, Jr. No. 1,211,562; Jan. 9; v. 234; p. 440.
- Metal surfaces, Ornamenting and protecting. K. Warga. No. 1,230,958; June 26; v. 239; p. 989.
- Metal-tempering compound. A. S. Carlson. No. 1,246,802; Nov. 13; v. 244; p. 527.
- Metal tie. W. J. McGirr. No. 1,223,061; Apr. 17; v. 237; p. 792.
- Metal tube, Refractory. W. D. Coolidge. No. 1,226,470; May 15; v. 238; p. 902.
- Metal tube, Refractory. W. D. Coolidge. No. 1,226,471; May 15; v. 238; p. 902.
- Metal wheel. E. B. Clark and R. J. Burrows. No. 1,246,052; Nov. 13; v. 244; p. 302.
- Metal wheel. M. Lachman. No. 1,215,552; Feb. 13; v. 235; p. 409.
- Metal wheel. M. Lachman. No. 1,215,553; Feb. 13; v. 235; p. 409.
- Metal, Wood-veneered. R. W. Burnett. (Reissue.) No. 1,349; Sept. 11; v. 242; p. 484.
- Metal-working. N. E. Clark. No. 1,224,877; May 1; v. 238; p. 269.
- Metal-working. E. T. Greenfield. No. 1,217,748; Feb. 27; v. 235; p. 1275.
- Metal-working apparatus. C. C. Craley. No. 1,217,572; Feb. 27; v. 235; p. 1215.
- Metal-working apparatus. C. L. Rowland. No. 1,217,221; Feb. 27; v. 235; p. 1091.
- Metal-working machine. N. E. Clark. No. 1,224,523; May 1; v. 238; p. 146.
- Metal-working machine. F. L. Cone. No. 1,215,000; Feb. 6; v. 235; p. 184.
- Metal-working machine. M. S. Curtis. No. 1,211,551; Jan. 9; v. 234; p. 437.
- Metal-working machine. R. E. Flanders. No. 1,219,813; Mar. 20; v. 236; p. 736.
- Metal-working machine. G. G. Frelinghuysen. No. 1,241,265; Sept. 25; v. 242; p. 902.
- Metal-working machine. B. M. W. Hanson. No. 1,211,840; Jan. 9; v. 234; p. 537.
- Metal-working machine. B. M. W. Hanson. No. 1,231,255; June 26; v. 239; p. 1089.
- Metal-working machine. L. A. Hawthorne. No. 1,241,251; Sept. 25; v. 242; p. 896.
- Metal-working machine. L. A. Hawthorne. No. 1,241,252; Sept. 25; v. 242; p. 897.
- Metal-working machine. L. A. Hawthorne. No. 1,241,256; Sept. 25; v. 242; p. 898.
- Metal-working machine. J. D. Morgan. No. 1,241,253; Sept. 25; v. 242; p. 897.
- Metal-working machine. J. D. Morgan and L. A. Hawthorne. No. 1,241,263; Sept. 25; v. 242; p. 901.
- Metal-working machine. T. P. Payne. No. 1,241,246; Sept. 25; v. 242; p. 894.
- Metal-working machine. T. P. Payne. No. 1,241,247; Sept. 25; v. 242; p. 894.
- Metal-working machine. T. P. Payne. No. 1,241,248; Sept. 25; v. 242; p. 895.
- Metal-working machine. T. P. Payne and E. V. Wurts. No. 1,241,254; Sept. 25; v. 242; p. 898.
- Metal-working machine. L. F. and R. Schulze. No. 1,243,989; Oct. 23; v. 243; p. 898.
- Metal-working machine. R. H. Smith. No. 1,239,052; Sept. 4; v. 242; p. 106.
- Metal-working machine. R. H. Smith. No. 1,239,053; Sept. 4; v. 242; p. 107.
- Metal-working machine. E. V. Wurts. No. 1,214,983; Feb. 6; v. 235; p. 177.
- Metal-working machine. E. V. Wurts. No. 1,241,266; Sept. 25; v. 242; p. 903.
- Metal-working machine. E. V. Wurts and J. J. Swinbank. No. 1,241,257; Sept. 25; v. 242; p. 899.
- Metal-working-machine attachment. P. Müller. No. 1,238,929; Sept. 4; v. 242; p. 67.
- Metal-working machine, Multiple-spindle. F. L. Cone. No. 1,224,714; May 1; v. 238; p. 214.
- Metal-working machines, Holding means for. H. G. Davis. No. 1,233,453; July 17; v. 240; p. 700.
- Metal-working machines, Machine for making distance-record devices for. T. P. Payne. No. 1,241,249; Sept. 25; v. 242; p. 895.
- Metal-working machines, Machine for making distance-record devices for. T. P. Payne. No. 1,241,268; Sept. 25; v. 242; p. 903.
- Metal-working machines, Machine for making distance-record sheets for. L. A. Hawthorne. No. 1,241,262; Sept. 25; v. 242; p. 901.
- Metal-working machinery, Feeding mechanism in. H. Dreses. No. 1,231,721; July 3; v. 240; p. 63.
- Metal-working tool. F. P. Lovejoy. No. 1,242,707; Oct. 9; v. 243; p. 435.
- Metal-working tool. F. P. Lovejoy. No. 1,242,708; Oct. 9; v. 243; p. 435.
- Metals, Alloying. C. C. Baldwin. No. 1,235,872; Aug. 7; v. 241; p. 112.
- Metals and alloys of metal, Treating. A. M. Craig. No. 1,243,714; Oct. 23; v. 243; p. 812.
- Metals and other materials by heat, Treating. J. H. L. De Bats. No. 1,216,086; Feb. 13; v. 235; p. 603.
- Metals and other metals from ore, Extracting precious. J. M. Tippet. No. 1,236,501; Aug. 14; v. 241; p. 345.
- Metals and preventing them from corroding, Cleaning. J. H. Gravell. No. 1,221,441; Apr. 3; v. 237; p. 155.
- Metals and preventing them from corroding, Cleaning. J. H. Gravell. No. 1,221,442; Apr. 3; v. 237; p. 155.
- Metals and their alloys, Apparatus for treating. A. M. Craig. No. 1,245,687; Nov. 6; v. 244; p. 165.
- Metals, Apparatus for electrolytically recovering. G. A. James. No. 1,233,363; July 17; v. 240; p. 669.
- Metals, Apparatus for uniting. A. K. Sloan. No. 1,235,608; Aug. 7; v. 241; p. 26.
- Metals by heating, Apparatus for refining. A. Helfenstein. No. 1,220,111; Mar. 20; v. 236; p. 842.
- Metals, Deoxidizing and refining ferrous. E. H. Schwartz. No. 1,215,065; Feb. 6; v. 235; p. 205.
- Metals, Electrically uniting. F. A. Costello. No. 1,248,812; Dec. 4; v. 245; p. 115.
- Metals, Electrolytically precipitating. G. C. Westby. No. 1,231,829; July 3; v. 240; p. 100.
- Metals, Etching. J. L. Jones. No. 1,248,499; Dec. 4; v. 245; p. 21.
- Metals from ores, Amalgamating process for recovering. P. Kuehn. No. 1,231,176; June 26; v. 239; p. 1063.
- Metals from ores and the like, Recovery of. C. S. Vadner. No. 1,231,101; June 26; v. 239; p. 1039.
- Metals from ores and the like, Recovery of. C. S. Vadner. No. 1,236,236; Aug. 7; v. 241; p. 228.
- Metals from ores and the like, Recovery of. C. S. Vadner. No. 1,245,137; Oct. 30; v. 243; p. 1282.
- Metals from ores, Extracting. E. T. Stannard. No. 1,238,951; Sept. 4; v. 242; p. 74.
- Metals from their ores, Extracting. W. E. Greenawalt. No. 1,218,996; Mar. 13; v. 236; p. 425.
- Metals from their ores, Extracting. W. A. Schmidt. No. 1,237,220; Aug. 14; v. 241; p. 575.
- Metals from their ores, Extracting. W. A. Schmidt. No. 1,237,221; Aug. 14; v. 241; p. 575.

- Metals from their solutions and apparatus therefor, Electrolytic recovery of. U. C. Tainton and M. F. L. A. Aymard. No. 1,231,967; July 3; v. 240; p. 144.
- Metals from their solutions, Electrolytic recovery of. U. C. Tainton. No. 1,251,302; Dec. 25; v. 245; p. 960.
- Metals in a state of fusion, Atomizing. F. C. Ucar. No. 1,245,536; Nov. 6; v. 244; p. 119.
- Metals, Machine for continuous treatment of. S. Trood. No. 1,224,340; May 1; v. 238; p. 82.
- Metals, Making bearing. W. H. Kelly. No. 1,234,547; July 24; v. 240; p. 1090.
- Metals, Making clad. B. E. Eldred. No. 1,217,581; Feb. 27; v. 235; p. 1218.
- Metals of improved quality, Apparatus and method for producing. H. M. Chance. No. 1,221,139; Apr. 3; v. 237; p. 48.
- Metals, Purifying. I. Ladoff. No. 1,248,503; Dec. 4; v. 245; p. 21.
- Metals, Reducing. R. J. McNitt. No. 1,214,808; Feb. 6; v. 235; p. 112.
- Metals, Sand-blast for satin-finish. E. Gieland. No. 1,226,621; May 15; v. 238; p. 949.
- Metals, Vapor treatment of. W. A. Darrah and S. Trood. No. 1,224,339; May 1; v. 238; p. 81.
- Metals, Winning. V. M. Weaver. No. 1,238,604; Aug. 28; v. 241; p. 1092.
- Metallic compound for internal administration. W. B. McLaughlin. No. 1,226,229; May 15; v. 238; p. 821.
- Metallic compounds from carbids, Production of. P. R. Hershman. No. 1,220,843; Mar. 27; v. 236; p. 1135.
- Metallic insert. F. G. and H. O. McMillan. No. 1,223,595; Apr. 24; v. 237; p. 1009.
- Metallic-leaf-applying device. S. H. Swallow. No. 1,231,094; June 26; v. 239; p. 1036.
- Metallic-leaf-handling apparatus. L. M. Harwood. No. 1,229,075; June 5; v. 239; p. 235.
- Metallic leaf, Machine for applying. G. E. Littlefield. No. 1,242,454; Oct. 9; v. 243; p. 353.
- Metallic leaf, Machine for applying. L. B. Weymouth. No. 1,239,149; Sept. 4; v. 242; p. 138.
- Metallic-spoked wheel. F. A. Frommann. No. 1,222,094; Apr. 10; v. 237; p. 413.
- Metallic tie. J. C. Farber. No. 1,249,940; Dec. 11; v. 245; p. 469.
- Metallic tie. J. L. Miller. No. 1,213,122; Jan. 16; v. 234; p. 1015.
- Metallic tie and rail-fastener. F. Dubiel, A. Jurkiewicz, and J. Sitko. No. 1,222,609; Apr. 17; v. 237; p. 636.
- Metallic tie and rail-fastener. S. and P. Lasiewicz. No. 1,223,805; Apr. 24; v. 237; p. 1085.
- Metallic tie and rail-fastener. F. Schramko and J. Prazinka. No. 1,221,096; Apr. 3; v. 237; p. 32.
- Metallic tie and rail-fastener. J. Taray. No. 1,239,739; Sept. 11; v. 242; p. 354.
- Metallic wheel. A. L. Putnam. No. 1,242,590; Oct. 9; v. 243; p. 398.
- Metallurgical furnace. U. Wedge. No. 1,237,129; Aug. 14; v. 241; p. 548.
- Metallurgical heating-furnace. E. C. Walker and A. S. Moses. No. 1,248,213; Nov. 27; v. 244; p. 999.
- Metallurgical process. W. E. Greenawalt. No. 1,218,177; Mar. 6; v. 236; p. 100.
- Metallurgical process. J. E. Johnson, Jr. No. 1,231,259; June 26; v. 239; p. 1090.
- Meter: *See*—
- Capacity-meter.
 - Cycle-meter.
 - Electric meter.
 - Electricity-meter.
 - Flow-meter.
 - Fluid-meter.
 - Gas-meter.
 - Liquid-meter.
 - Motor-meter.
 - Payment-in-advance meter.
 - Photographic exposure meter.
 - Power-factor meter.
 - Pressure-correcting meter.
 - Proportional meter.
 - Rope-meter.
 - Rotation-meter.
 - Steam, air, or other gas meter.
 - Telephone-meter.
 - Time-cost meter.
 - Traction-meter.
 - Turbine-meter.
 - Volumetric meter.
 - Water-meter.
 - Wattmeter.
- Meter. W. L. Brown. No. 1,216,412; Feb. 20; v. 235; p. 770.
- Meter. A. C. Einstein. No. 1,239,680; Sept. 11; v. 242; p. 335.
- Meter. H. H. Glasier. No. 1,235,200; July 31; v. 240; p. 1325.
- Meter. J. Gribbel and C. Atherton. No. 1,232,027; July 3; v. 240; p. 166.
- Meter. F. D. Holdsworth. No. 1,249,626; Dec. 11; v. 245; p. 376.
- Meter. T. H. Pierson. No. 1,229,514; June 12; v. 239; p. 434.
- Meter. G. D. Pogue. No. 1,249,484; Dec. 11; v. 245; p. 336.
- Meter. L. L. Tatum. No. 1,240,797; Sept. 18; v. 242; p. 720.
- Meter. C. C. Thomas. No. 1,218,717; Mar. 13; v. 236; p. 325.
- Meter adapter, Multiple. J. Sachs. No. 1,245,037; Oct. 30; v. 243; p. 1252.
- Meter-box. L. G. Haase. No. 1,213,478; Jan. 23; v. 234; p. 1172.
- Meter-box. T. J. Kerfoot. No. 1,222,411; Apr. 10; v. 237; p. 526.
- Meter-box. H. M. Lofton. No. 1,249,435; Dec. 11; v. 245; p. 321.
- Meter operations, System for recording. C. I. Hall. No. 1,221,443; Apr. 3; v. 237; p. 155.
- Meter protective device. J. F. Burns. No. 1,248,260; Nov. 27; v. 244; p. 1013.
- Meter-reading device. R. A. Casson. No. 1,236,265; Aug. 7; v. 241; p. 236.
- Meter-recording device. A. S. Hibbard. No. 1,245,588; Nov. 6; v. 244; p. 135.
- Meter-switch. R. S. White. No. 1,228,859; June 5; v. 239; p. 166.
- Meter-testing appliance. J. Sachs. No. 1,214,078; Jan. 30; v. 234; p. 1408.
- Meter-testing appurtenance. J. Sachs. No. 1,245,038; Oct. 30; v. 243; p. 1252.
- Meter-testing construction. C. D. Platt. No. 1,237,379; Aug. 21; v. 241; p. 666.
- Meter-testing cut-out. T. E. Murray. No. 1,219,132; Mar. 13; v. 236; p. 471.
- Meters and like apparatus, Mechanism of dry. G. Heeley. No. 1,223,875; Apr. 24; v. 237; p. 1108.
- Meters, Device for recording the readings of. A. Frisch. No. 1,223,686; Apr. 24; v. 237; p. 1042.
- Meters, Electrical attachment for reading. A. C. Neff and E. H. Ford. No. 1,244,634; Oct. 30; v. 243; p. 1130.
- Meters, Means for recording readings of. J. H. Weeks. No. 1,242,093; Oct. 2; v. 243; p. 198.
- Meters, Register mechanism for. W. S. Blackmer. No. 1,224,834; May 1; v. 238; p. 255.
- Metering systems, Transformer for. J. E. Mateer and W. R. Woodward. No. 1,242,962; Oct. 16; v. 243; p. 550.
- Methane-detector. C. M. Means. No. 1,231,045; June 26; v. 239; p. 1019.
- Mica plates, Making. M. Melrowsky. No. 1,241,539; Oct. 2; v. 243; p. 22.
- Micro-organisms, Preserving-receptacle for. L. C. Rosenberg. No. 1,234,219; July 24; v. 240; p. 983.
- Micromagnetic detector. F. G. Simpson. No. 1,211,770; Jan. 9; v. 234; p. 510.
- Micrometer. J. Csigas. No. 1,233,556; July 17; v. 240; p. 734.
- Micrometer. L. S. Starrett. No. 1,241,160; Sept. 25; v. 242; p. 867.
- Micrometer. L. S. Starrett. No. 1,241,161; Sept. 25; v. 242; p. 867.
- Micrometer-caliper. A. Fransos. No. 1,216,680; Feb. 20; v. 235; p. 862.
- Micrometer-gage. A. R. Laubscher. No. 1,228,791; June 5; v. 239; p. 142.
- Micrometer-gage. A. C. Nielsen. No. 1,226,574; May 15; v. 238; p. 935.
- Micrometer-gage. J. T. Slocumb. No. 1,226,396; May 15; v. 238; p. 880.
- Micrometer-gage. W. J. Smith. No. 1,217,850; Feb. 27; v. 235; p. 1310.
- Micrometer-indicator, Liquid. T. S. Booth. No. 1,245,559; Nov. 6; v. 244; p. 125.
- Micrometer, Slide. L. Wenzel. No. 1,230,249; June 19; v. 239; p. 714.
- Micrometer, Universal. P. Lackner. No. 1,226,337; May 15; v. 238; p. 861.
- Micromovements, Device for transmitting or transforming. J. A. Johnson. No. 1,229,619; June 12; v. 239; p. 470.
- Microphone. E. M. C. Tigerstedt. No. 1,235,510; July 31; v. 240; p. 1419.
- Microphone. A. Vaugan, A. de Lavandeyra, and W. Garthwaite. No. 1,230,956; June 26; v. 239; p. 988.
- Microphone-transmitter. J. E. B. Holladay. No. 1,246,429; Nov. 13; v. 244; p. 416.
- Microphone with carbon-powder fall for strong currents. G. B. Marzi. No. 1,237,933; Aug. 21; v. 241; p. 841.
- Microscope. H. N. Ott. No. 1,223,197; Apr. 17; v. 237; p. 839.
- Microscope adjustment mechanism. H. N. Ott. No. 1,223,198; Apr. 17; v. 237; p. 840.
- Microscope, Binocular. W. L. Patterson and G. A. H. Kellner. No. 1,225,167; May 8; v. 238; p. 418.
- Microscope-slides, Storing. R. Donald. No. 1,241,354; Sept. 25; v. 242; p. 929.
- Microscopes, Substage for. H. N. Ott. No. 1,234,795; July 31; v. 240; p. 1200.
- Milk-aerator. M. Duvall. No. 1,213,342; Jan. 23; v. 234; p. 1126.
- Milk-aerator. M. Duvall. No. 1,231,866; July 3; v. 240; p. 111.
- Milk and bread box. H. W. Jonson. No. 1,223,178; Apr. 17; v. 237; p. 834.
- Milk and cream, Manufacturing products from. C. E. Gray. No. 1,219,291; Mar. 13; v. 236; p. 524.
- Milk and cream separator. J. D. Palmer. No. 1,240,360; Sept. 18; v. 242; p. 585.
- Milk and other canned fluids, Device for opening, holding, preserving, and using canned. J. M. Day. (Reissue.) No. 14,268; Mar. 13; v. 236; p. 569.
- Milk and other liquids, Apparatus for treating. A. Forlander. No. 1,230,395; June 19; v. 239; p. 761.
- Milk and producing the same, Dried. C. H. Campbell. No. 1,233,446; July 17; v. 240; p. 698.
- Milk and the treatment of its residues, Manufacturing of artificial. W. J. Melhuish. No. 1,210,667; Jan. 2; v. 234; p. 101.

Alphabetical list of inventions—Continued.

- Milk and vegetable-fat compound, Apparatus for the production of skimmed-. J. F. Enz. No. 1,243,275; Oct. 16; v. 243; p. 645.
- Milk, Apparatus for cleansing and removing sediment from. W. P. Harper. No. 1,238,013; Aug. 21; v. 241; p. 867.
- Milk-boiler. J. Pelucha. No. 1,213,404; Jan. 23; v. 234; p. 1147.
- Milk-box. F. Zbikowski. No. 1,239,330; Sept. 4; v. 242; p. 195.
- Milk-can. J. W. Fowler. No. 1,222,279; Apr. 10; v. 237; p. 479.
- Milk-can. M. Macmillan. No. 1,234,189; July 24; v. 240; p. 974.
- Milk-can. J. B. Watson. No. 1,242,876; Oct. 9; v. 243; p. 488.
- Milk-can. W. W. White. No. 1,220,710; Mar. 27; v. 236; p. 1088.
- Milk-catheter and surgical instrument. L. A. Bean. No. 1,242,314; Oct. 9; v. 243; p. 309.
- Milk cooling and aerating apparatus. J. S. McNeel and J. M. Vance. No. 1,218,791; Mar. 13; v. 236; p. 356.
- Milk, cream, and other liquids, Apparatus for pasteurizing, cooling, and ripening. F. Chadima. No. 1,224,901; May 8; v. 238; p. 328.
- Milk, cream, and other liquids, Apparatus for pasteurizing, cooling, and ripening. S. J. Van Kuren. No. 1,224,981; May 8; v. 238; p. 355.
- Milk, Drying. C. H. Campbell. No. 1,250,427; Dec. 18; v. 245; p. 651.
- Milk, Drying. J. Roeh. No. 1,235,161; July 31; v. 240; p. 1313.
- Milk or cream, Apparatus for treating. T. L. Valerius. No. 1,210,729; Jan. 2; v. 234; p. 122.
- Milk-powdering machine. I. J. Felleman. No. 1,239,471; Sept. 11; v. 242; p. 268.
- Milk, Process and apparatus for filling vessels with. W. G. Schröder. No. 1,242,873; Oct. 9; v. 243; p. 487.
- Milk product and making the same, Self-preserving acid. W. P. M. Grelick. No. 1,230,479; June 19; v. 239; p. 790.
- Milk-purifying process and apparatus. E. J. P. Spencer. No. 1,210,865; Jan. 2; v. 234; p. 167.
- Milk-receptacle and lock. F. N. Olesen. No. 1,242,718; Oct. 9; v. 243; p. 438.
- Milk-safe. L. O. Dow. No. 1,238,114; Aug. 28; v. 241; p. 933.
- Milk-serum powder and making same. A. W. Bosworth. No. 1,246,858; Nov. 20; v. 244; p. 579.
- Milk-sheet protector. T. Grinder. No. 1,241,371; Sept. 25; v. 242; p. 934.
- Milk substitute, made from soya-beans and arachis (pea) nuts. W. J. Melhuish. No. 1,243,855; Oct. 23; v. 243; p. 858.
- Milk, Treating. C. H. Campbell. No. 1,221,024; Apr. 3; v. 237; p. 7.
- Milk-treating apparatus. W. J. Davis and L. Johnson. No. 1,236,548; Aug. 14; v. 241; p. 360.
- Milk-treating apparatus. W. A. Hoeth. No. 1,249,089; Dec. 4; v. 245; p. 192.
- Milk vessel for milking-machines working with vacuum. K. I. Lindström. No. 1,210,818; Jan. 2; v. 234; p. 151.
- Milking and separating machine and operating means therefor, Combined. P. J. Pirups-Hvarre. No. 1,216,726; Feb. 20; v. 235; p. 878.
- Milking apparatus. A. E. Anderson. No. 1,226,842; May 22; v. 238; p. 1064.
- Milking apparatus. E. E. Good. No. 1,228,314; May 29; v. 238; p. 1586.
- Milking apparatus. P. Larsen. No. 1,239,407; Sept. 4; v. 242; p. 219.
- Milking apparatus, Cattle-. C. G. Hawley. No. 1,236,431; Aug. 14; v. 241; p. 321.
- Milking apparatus, Cow-. H. Droutiege. No. 1,236,413; Aug. 14; v. 241; p. 315.
- Milking device and antikicker. L. A. Clark. No. 1,244,175; Oct. 23; v. 243; p. 952.
- Milking-machine. H. W. Bartram and A. Gillies. No. 1,221,654; Apr. 3; v. 237; p. 226.
- Milking-machine. L. E. Beaman. No. 1,218,044; Mar. 6; v. 236; p. 55.
- Milking-machine. M. W. Cook and N. S. Nichols. No. 1,217,857; Feb. 27; v. 235; p. 1312.
- Milking-machine. C. B. Dalzell. No. 1,218,529; Mar. 6; v. 236; p. 220.
- Milking-machine. U. G. Davidson. No. 1,249,345; Dec. 11; v. 245; p. 296.
- Milking-machine. S. B. Harner. No. 1,210,468; Jan. 2; v. 234; p. 31.
- Milking-machine. A. V. Hinman. No. 1,233,668; July 17; v. 240; p. 771.
- Milking-machine. A. C. Hougland. No. 1,245,106; Oct. 30; v. 243; p. 1272.
- Milking-machine. M. Leitch. No. 1,236,952; Aug. 14; v. 241; p. 491.
- Milking-machine. M. J. Murphy and H. H. Brandeau. No. 1,218,446; Mar. 6; v. 236; p. 193.
- Milking-machine. M. J. Murphy and H. H. Brandeau. No. 1,218,447; Mar. 6; v. 236; p. 193.
- Milking-machine. M. L. Norris. No. 1,240,765; Sept. 18; v. 242; p. 711.
- Milking-machine. D. T. Sharples. No. 1,218,125; Mar. 6; v. 236; p. 83.
- Milking-machine. D. T. and L. P. Sharples. No. 1,221,483; Apr. 3; v. 237; p. 169.
- Milking-machine. J. Wielaert. No. 1,223,334; Apr. 17; v. 237; p. 883.
- Milking-machine apparatus. J. W. L. Warren. No. 1,222,826; Apr. 17; v. 237; p. 712.
- Milking-machine releaser. A. Reid. No. 1,247,329; Nov. 20; v. 244; p. 714.
- Milking-machine releaser and pulsator, Combined. T. N. Fletcher. No. 1,228,894; June 5; v. 239; p. 176.
- Milking-machine teat-cup. A. E. Anderson. No. 1,238,476; Aug. 28; v. 241; p. 1051.
- Milking-machine teat-cup. C. O. Anderson. No. 1,213,814; Jan. 30; v. 234; p. 1317.
- Milking-machine teat-cup. H. R. Jenkins. No. 1,231,166; June 26; v. 239; p. 1060.
- Milking-machine teat-cup. M. Leitch. No. 1,239,923; Sept. 11; v. 242; p. 414.
- Milking-machine teat-cup. A. C. Macartney. No. 1,246,292; Nov. 13; v. 244; p. 374.
- Milking-machines, Teat-cup for. M. Leitch. No. 1,249,134; Dec. 4; v. 245; p. 203.
- Milking method and apparatus. D. T. Sharples. No. 1,238,831; Sept. 4; v. 242; p. 36.
- Mill. *See—*
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| Amalgamating-mill. | Ore-pulverizing ball-mill. |
| Ball-mill. | Quartz-mill. |
| Beater-mill. | Reducing-mill. |
| Cane-mill. | Ring-roll mill. |
| Coffee-mill. | Roller-mill. |
| Column-mill. | Rolling-mill. |
| Cutting-mill. | Rotary mill. |
| Feed-mill. | Sand-mill. |
| Flour-mill. | Stamp-mill. |
| Grinding-mill. | Tube-mill. |
| Grinding and tumbling mill. | Tube-reducing mill. |
| Ore-grinding mill. | Universal mill. |
| Ore-pulverizing mill. | Windmill. |
- Mill. W. P. Clifford. No. 1,248,413; Nov. 27; v. 244; p. 1055.
- Mill construction, Rotary-. M. F. Williams. No. 1,235,868; Aug. 7; v. 241; p. 111.
- Mill, Continuous mixing-. J. Crossley. No. 1,231,499; June 26; v. 239; p. 1168.
- Mill for removing the shells of grain and the like. A. Gmeinder. No. 1,220,090; Mar. 20; v. 236; p. 833.
- Mill-pick jig. A. Mrozinski. No. 1,217,808; Feb. 27; v. 235; p. 1296.
- Mill-product-discharging mechanism. W. B. Newlon. No. 1,211,743; Jan. 9; v. 234; p. 500.
- Mill-shoe. S. Chorchos. No. 1,234,445; July 24; v. 240; p. 1059.
- Mills, Automatic blocking mechanism for strip-. A. Sundh. No. 1,230,941; June 26; v. 239; p. 982.
- Mills, Automatic blocking mechanism for strip-. A. Sundh. No. 1,230,945; June 26; v. 239; p. 984.
- Mills, Automatic feeder for. H. O. Little. No. 1,215,826; Feb. 13; v. 235; p. 508.
- Mills, Automatic magnetic separator for. H. O. Little. No. 1,217,613; Feb. 27; v. 235; p. 1230.
- Mills, Blocking mechanism for strip-. A. Sundh. No. 1,230,944; June 26; v. 239; p. 983.
- Mills, Grinding-ring for attrition-. W. Van Nostrand. No. 1,226,032; May 15; v. 238; p. 754.
- Milers, Feed control for. W. Humphreys. No. 1,241,850; Oct. 2; v. 243; p. 122.
- Milling and other machine. J. Becker. No. 1,248,794; Dec. 4; v. 245; p. 109.
- Milling and other machines, Standard and knee connection for. J. Becker. No. 1,225,726; May 8; v. 238; p. 607.
- Milling attachment. J. A. Daly. No. 1,212,330; Jan. 16; v. 234; p. 738.
- Milling-cutter. W. A. James. No. 1,245,726; Nov. 6; v. 244; p. 176.
- Milling-cutter, Formed. O. G. Simmons. No. 1,221,613; Apr. 3; v. 237; p. 214.
- Milling-machine. O. W. Curtis. No. 1,242,775; Oct. 9; v. 243; p. 456.
- Milling-machine. C. L. Heisler. No. 1,239,911; Sept. 11; v. 242; p. 410.
- Milling-machine. B. J. Robertson and R. Frazer. No. 1,237,388; Aug. 21; v. 241; p. 669.
- Milling-machine. G. T. Trundle, Jr. No. 1,216,018; Feb. 13; v. 235; p. 578.
- Milling-machine. C. E. Van Norman. No. 1,229,352; June 12; v. 239; p. 379.
- Milling-machine and the like, Multiple-spindle. C. D. Rice. No. 1,215,705; Feb. 13; v. 235; p. 466.
- Milling-machine, Portable. D. Rodgers. No. 1,249,672; Dec. 11; v. 245; p. 390.
- Milling-machine spindle. J. L. Wheeler. No. 1,239,855; Sept. 11; v. 242; p. 392.
- Milling machine, Thread-. G. T. Trundle, Jr. No. 1,216,019; Feb. 13; v. 235; p. 578.
- Milling-machine work-holder. S. J. Todd. No. 1,213,300; Jan. 23; v. 234; p. 1110.
- Milling-machines, Adjustable tool-holder for. P. B. Lindfors. No. 1,249,642; Dec. 11; v. 245; p. 381.
- Milling-machines and lathes, Spindle for. L. H. Cormier. No. 1,223,934; Apr. 17; v. 237; p. 748.

- Milling-machines, Drop-table mechanism for. A. E. Newton and F. K. Hendrickson. No. 1,213,237; Jan. 23; v. 234; p. 1088.
- Milling-machines, Transmission-gearing for. F. A. Parsons. No. 1,233,500; July 17; v. 240; p. 716.
- Mine. P. L. E. del Fungo-Giera. No. 1,220,962; Mar. 27; v. 236; p. 1172.
- Mine anchor and controller. P. L. E. del Fungo Giera and G. Miller. No. 1,212,048; Jan. 9; v. 234; p. 608.
- Mine and propeller-entanglement, Submarine. A. N. McGray. No. 1,226,348; May 15; v. 238; p. 864.
- Mine, Automatically-controlled floating. L. A. Bockstahler. No. 1,221,964; Apr. 10; v. 237; p. 369.
- Mine-cages, Car holding and releasing mechanism for. D. F. Lepley. No. 1,235,210; July 31; v. 240; p. 1328.
- Mine-cages, Device for holding. W. H. Price. No. 1,215,409; Feb. 13; v. 235; p. 356.
- Mine-cap. G. Adams. No. 1,217,547; Feb. 27; v. 235; p. 1207.
- Mine-catcher and ship-protector. M. Feller. No. 1,219,929; Mar. 20; v. 236; p. 777.
- Mine-catching device. J. Slaski. No. 1,248,564; Dec. 4; v. 245; p. 40.
- Mine-destroying device. A. Fernandez. No. 1,235,783; Aug. 7; v. 241; p. 83.
- Mine-door. A. Blevins, C. F. Kilgore, and A. L. Blevins. No. 1,228,643; June 5; v. 239; p. 91.
- Mine-door. C. W. Carman. No. 1,240,541; Sept. 18; v. 242; p. 642.
- Mine-door, Automatic. J. C. Allen. No. 1,242,411; Oct. 9; v. 243; p. 340.
- Mine-door-operating apparatus. W. M. Hummel. No. 1,218,404; Mar. 6; v. 236; p. 179.
- Mine-doors, Means for automatically opening. A. M. and J. O. Hopper. No. 1,242,190; Oct. 9; v. 243; p. 269.
- Mine-entries, Means for supporting the roofs of. J. J. Roby. No. 1,229,323; June 12; v. 239; p. 369.
- Mine, Gas and shrapnel land. J. E. Steel. No. 1,239,134; Sept. 4; v. 242; p. 134.
- Mine-gate, Automatic. T. J. Osborne. No. 1,224,010; Apr. 24; v. 237; p. 1154.
- Mine hoist, Coal. A. Appleyard. No. 1,246,517; Nov. 13; v. 244; p. 442.
- Mine-hoist, Safety. G. F. Royer. No. 1,213,956; Jan. 30; v. 234; p. 1366.
- Mine-hoists, Stop mechanism for. D. F. Lepley. No. 1,216,143; Feb. 13; v. 235; p. 623.
- Mine, Marine. P. L. E. del Fungo-Giera. No. 1,228,753; June 5; v. 239; p. 129.
- Mine or torpedo. P. L. E. del Fungo-Giera. No. 1,228,754; June 5; v. 239; p. 129.
- Mine-protection system. N. D. Levin. No. 1,234,185; July 24; v. 240; p. 973.
- Mine-releasing device. P. L. E. del Fungo-Giera. No. 1,228,755; June 5; v. 239; p. 130.
- Mine, Self-acting naval-defense. O. W. Bozzett. No. 1,248,799; Dec. 4; v. 245; p. 111.
- Mine-shaft gate. J. J. Collier. No. 1,211,412; Jan. 9; v. 234; p. 389.
- Mine-sheave. J. N. Derrick and M. M. Vann. No. 1,220,963; Mar. 27; v. 236; p. 1172.
- Mine-signals, Pull-switch for electric. C. Clausen. No. 1,217,707; Feb. 27; v. 235; p. 1262.
- Mine sowing, releasing, and moving device. A. Fernandez. No. 1,232,670; July 10; v. 240; p. 409.
- Mine, Submarine. G. E. Elia. No. 1,226,196; May 15; v. 238; p. 810.
- Mine, Submarine. G. E. Elia. No. 1,226,197; May 15; v. 238; p. 810.
- Mine, Submarine. E. Schneider. No. 1,229,797; June 12; v. 239; p. 528.
- Mines, Apparatus for stabilizing the position of submerged floating. E. Schneider. No. 1,229,661; June 12; v. 239; p. 484.
- Mines, Firing mechanism for automatic submarine. G. Matricardi. No. 1,212,536; Jan. 16; v. 234; p. 809.
- Mines, Set for timbering. H. M. Barber. No. 1,226,444; May 15; v. 238; p. 894.
- Mining. T. De Roode. No. 1,224,613; May 1; v. 238; p. 178.
- Mining. T. De Roode. No. 1,225,784; May 15; v. 238; p. 670.
- Mining apparatus. T. De Roode. No. 1,229,418; June 12; v. 239; p. 401.
- Mining apparatus. G. B. Norris. No. 1,247,444; Nov. 20; v. 244; p. 747.
- Mining apparatus. H. P. Rhodes. No. 1,217,066; Feb. 20; v. 235; p. 992.
- Mining coal. H. A. Kuhn. No. 1,228,448; June 5; v. 239; p. 25.
- Mining coal. H. A. Kuhn. No. 1,237,061; Aug. 14; v. 241; p. 527.
- Mining coal. H. A. Kuhn. No. 1,237,062; Aug. 14; v. 241; p. 527.
- Mining coal. H. A. Kuhn. No. 1,237,063; Aug. 14; v. 241; p. 527.
- Mining device. T. De Roode. No. 1,226,065; May 15; v. 238; p. 766.
- Mining device for gaseous fuel. A. L. Reynolds. No. 1,231,939; July 3; v. 240; p. 135.
- Mining-machine. C. E. Davis. No. 1,244,178; Oct. 23; v. 243; p. 953.
- Mining-machine. C. E. Davis. No. 1,244,179; Oct. 23; v. 243; p. 954.
- Mining-machine. D. T. Fisher. No. 1,247,386; Nov. 20; v. 244; p. 730.
- Mining-machine. E. L. Hopkins. No. 1,249,400; Dec. 11; v. 245; p. 311.
- Mining-machine. H. A. Kuhn. No. 1,232,696; July 10; v. 240; p. 417.
- Mining-machine. H. A. Kuhn and W. W. Macfarren. No. 1,234,912; July 31; v. 240; p. 1238.
- Mining-machine. N. D. Levin. No. 1,244,871; Oct. 30; v. 243; p. 1202.
- Mining-machine. N. D. Levin. No. 1,247,419; Nov. 20; v. 244; p. 739.
- Mining-machine. N. D. Levin. No. 1,247,420; Nov. 20; v. 244; p. 740.
- Mining-machine. N. D. Levin. No. 1,247,422; Nov. 20; v. 244; p. 741.
- Mining-machine. E. C. Morgan. No. 1,212,382; Jan. 16; v. 234; p. 755.
- Mining-machine. E. C. Morgan. No. 1,233,494; July 17; v. 240; p. 714.
- Mining-machine. G. B. Norris. No. 1,215,692; Feb. 13; v. 235; p. 462.
- Mining-machine. C. A. Pratt. No. 1,249,823; Dec. 11; v. 245; p. 435.
- Mining-machine. F. L. Sessions. No. 1,247,459; Nov. 20; v. 244; p. 751.
- Mining-machine. C. J. E. Waxbom. No. 1,212,717; Jan. 16; v. 234; p. 877.
- Mining-machine and truck. N. D. Levin. No. 1,247,424; Nov. 20; v. 244; p. 741.
- Mining-machine drills, Chair-support structure for. F. Funk. No. 1,222,752; Apr. 17; v. 237; p. 686.
- Mining machine, Placer. V. V. Clark. No. 1,215,345; Feb. 13; v. 235; p. 335.
- Mining machines, Chain for. C. E. Davis. No. 1,249,904; Dec. 11; v. 245; p. 459.
- Mining-machines, Chain for. H. A. Kuhn. No. 1,232,051; July 3; v. 240; p. 174.
- Mining, Method of and apparatus for placer. F. E. Hawkesworth. No. 1,244,203; Oct. 23; v. 243; p. 961.
- Mineral-segregating method and apparatus. H. E. Taylor. No. 1,248,948; Dec. 4; v. 245; p. 152.
- Mining sulfur and other minerals. H. P. Rhodes. No. 1,217,065; Feb. 20; v. 235; p. 992.
- Mining system. W. E. Hamilton. No. 1,244,601; Oct. 30; v. 243; p. 1120.
- Mining system. G. G. Hughes and J. F. McDuffie. No. 1,221,860; Apr. 10; v. 237; p. 331.
- Mining system and means. J. S. Bartlett. No. 1,233,301; July 17; v. 240; p. 649.
- Mineral-concentrator, Mechanical. A. Molander. No. 1,235,497; July 31; v. 240; p. 1413.
- Mineral washer and separator. C. O. Michaelsen. No. 1,247,702; Nov. 27; v. 244; p. 854.
- Mineral wool, Making. W. Fay. No. 1,242,537; Oct. 9; v. 243; p. 379.
- Minerals, Apparatus for the chlorination of. R. Reyes. No. 1,243,977; Oct. 23; v. 243; p. 894.
- Minerals by flotation, Concentrating and separating. H. E. T. Haultain. No. 1,226,330; May 15; v. 238; p. 859.
- Minerals by flotation, Method of and means for recovering metalliferous. G. Crerar. No. 1,232,772; July 10; v. 240; p. 443.
- Minerals, Flotation of. H. P. Corliss. No. 1,228,183; May 29; v. 238; p. 1544.
- Minerals, Flotation of. H. P. Corliss. No. 1,228,184; May 29; v. 238; p. 1544.
- Minerals, Flotation of. C. L. Perkins. No. 1,240,597; Sept. 18; v. 242; p. 658.
- Minerals, Flotation of. C. L. Perkins. No. 1,240,598; Sept. 18; v. 242; p. 658.
- Minerals, Flotation of. C. L. Perkins. No. 1,240,599; Sept. 18; v. 242; p. 659.
- Minerals, Method and appliance for separating laminated and fibrous. C. L. Perkins. No. 1,243,096; Oct. 16; v. 243; p. 593.
- Minnow. J. W. Jay. No. 1,242,556; Oct. 9; v. 243; p. 386.
- Minnow, Artificial. G. A. Race. No. 1,249,194; Dec. 4; v. 245; p. 221.
- Minnow-holder. H. D. Cammack. No. 1,216,069; Feb. 13; v. 235; p. 596.
- Mirror. R. L. Tuttle. No. 1,250,725; Dec. 18; v. 245; p. 739.
- Mirror, Adjustable. F. Capdevila. No. 1,220,069; Mar. 20; v. 236; p. 826.
- Mirror, Adjustable. H. B. Hastad. No. 1,249,081; Dec. 4; v. 245; p. 189.
- Mirror and button-stick, Combined military. F. B. Woodman. No. 1,248,976; Dec. 4; v. 245; p. 160.
- Mirror and picture frame clamp. G. M. Rowland. No. 1,221,601; Apr. 3; v. 237; p. 209.
- Mirror-attaching device. L. B. Estes. No. 1,242,335; Oct. 9; v. 243; p. 316.
- Mirror-bracket. G. O. P. Flanders. No. 1,244,973; Oct. 30; v. 243; p. 1233.
- Mirror, Electric hand-. J. A. Petrie. No. 1,216,724; Feb. 20; v. 235; p. 877.
- Mirror for dressing-tables and the like. J. R. Alden. No. 1,242,631; Oct. 9; v. 243; p. 410.
- Mirror-frame. A. Burke. No. 1,240,175; Sept. 18; v. 242; p. 526.
- Mirror-glass fastener. G. Herrmann. No. 1,246,095; Nov. 13; v. 244; p. 314.

Alphabetical list of inventions—Continued.

- Mirror, Mouth-. C. M. Wolfe. No. 1,246,693; Nov. 13; v. 244; p. 494.
- Mirror-scope for automobiles or other vehicles. J. H. Faw. No. 1,230,144; June 19; v. 239; p. 678.
- Mist-threading device. J. Northrop. (Reissue.) No. 14,265; Feb. 27; v. 235; p. 1325.
- Miter and try-square. C. Bodmer. No. 1,213,578; Jan. 23; v. 234; p. 1208.
- Miter-box. H. Abramson. No. 1,222,514; Apr. 10; v. 237; p. 561.
- Miter-box. L. W. Jacobs. No. 1,248,866; Dec. 4; v. 245; p. 131.
- Miter-box. H. D. Le Suer. No. 1,240,228; Sept. 18; v. 242; p. 545.
- Miter-box. H. P. McDonald. No. 1,214,561; Feb. 6; v. 235; p. 27.
- Miter-box. G. Watson, Sr. No. 1,247,758; Nov. 27; v. 244; p. 871.
- Miter-box. O. D. Wilson. No. 1,214,862; Feb. 6; v. 235; p. 131.
- Miter-box. C. E. Wood. No. 1,241,804; Oct. 2; v. 243; p. 107.
- Miter box and calculator. P. E. Parsons. No. 1,248,155; Nov. 27; v. 244; p. 933.
- Miter-clamp. D. F. Ferney. No. 1,226,763; May 22; v. 238; p. 1037.
- Miter-clamp. G. R. Reeves. No. 1,246,466; Nov. 13; v. 244; p. 427.
- Miter-knife. A. C. Hanson. No. 1,228,431; June 5; v. 239; p. 20.
- Miter-machine attachment. H. B. Dipworth. No. 1,220,964; Mar. 27; v. 236; p. 1172.
- Mitering and type-high-leveling machine. F. G. Powers. No. 1,219,041; Mar. 13; v. 236; p. 440.
- Mitering-die. P. Paulson and J. M. Richter. No. 1,230,319; June 19; v. 239; p. 737.
- Mitt. M. S. Jordan. No. 1,240,728; Sept. 18; v. 242; p. 699.
- Mitten. A. J. and H. N. Stewart. No. 1,216,877; Feb. 20; v. 235; p. 929.
- Mitten. Reversible husking-. C. M. Putnam. No. 1,237,694; Aug. 21; v. 241; p. 768.
- Mitten, Woven-wire. C. P. Du Bois. No. 1,250,150; Dec. 18; v. 245; p. 568.
- Mixer. See—
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| Air and gas mixer. | Food and beverage mixer. |
| Bread-mixer. | Fuel-mixer. |
| Butter-mixer. | Gas-mixer. |
| Cocktail-mixer. | Lard and flour mixer. |
| Concrete-mixer. | Mayonnaise-mixer. |
| Continuous mixer. | Self-loading mixer. |
| Drink-mixer. | Steam and hot-water mixer. |
| Faucet water-mixer. | |
- Mixer. J. Frame. No. 1,247,655; Nov. 27; v. 244; p. 840.
- Mixer. G. A. Williams. No. 1,230,638; June 19; v. 239; p. 844.
- Mixer and pulverizer. R. W. Christian. No. 1,230,672; June 19; v. 239; p. 854.
- Mixer-blade. C. Offenhausser. No. 1,248,153; Nov. 27; v. 244; p. 932.
- Mixing and cooling machine. F. A. Connolly. No. 1,250,435; Dec. 18; v. 245; p. 654.
- Mixing and kneading machine. F. Goger. No. 1,228,550; June 5; v. 239; p. 60.
- Mixing and kneading machines, Gearing for. A. Wild. No. 1,247,768; Nov. 27; v. 244; p. 875.
- Mixing and measuring machine. H. R. Edgecomb. No. 1,241,501; Oct. 2; v. 243; p. 8.
- Mixing apparatus. W. H. Brühlhart. No. 1,218,623; Mar. 13; v. 236; p. 291.
- Mixing-machine. C. A. Bush. No. 1,211,539; Jan. 9; v. 234; p. 433.
- Mixing-machine. A. J. Cropp. No. 1,223,314; Apr. 17; v. 237; p. 876.
- Mixing-machine. H. J. Haigh. No. 1,219,730; Mar. 20; v. 236; p. 707.
- Mixing-machine. R. Raddatz. No. 1,232,605; July 10; v. 240; p. 357.
- Mixing-machine. T. J. Sturtevant. No. 1,234,230; July 24; v. 240; p. 987.
- Mixing-machine. J. A. Svenson. No. 1,239,537; Sept. 11; v. 242; p. 289.
- Mixing-machine. G. A. Welzenbach. No. 1,240,274; Sept. 18; v. 242; p. 559.
- Mixing-machine attachment. I. Tiger and A. Hoch. No. 1,233,823; July 17; v. 240; p. 820.
- Mixing-machine-operating device. W. G. Shelton. No. 1,238,834; Sept. 4; v. 242; p. 37.
- Mixing-machines, Gearing for. C. T. Alexander. No. 1,218,825; Mar. 13; v. 236; p. 366.
- Mixing-slab. A. Shorrock. No. 1,218,327; Mar. 6; v. 236; p. 154.
- Moccasin. G. A. Gordon. No. 1,236,925; Aug. 14; v. 241; p. 483.
- Modeling device, Educational. A. B. Bachmann. No. 1,226,049; May 15; v. 238; p. 760.
- Moistener. W. Holt. No. 1,245,342; Nov. 6; v. 244; p. 60.
- Moistener, Envelop-. G. Gerdorn. No. 1,244,975; Oct. 30; v. 243; p. 1234.
- Moistener, Finger-. F. S. Mather. No. 1,223,996; Apr. 24; v. 237; p. 1148.
- Moistener for envelops, postage-stamps, &c. M. F. Bishop. No. 1,235,644; Aug. 7; v. 241; p. 37.
- Moistener, Hand-operated tape-. C. H. Crowell. No. 1,244,837; Oct. 30; v. 243; p. 1191.
- Moistener, Pocket-. G. Gerdorn. No. 1,244,974; Oct. 30; v. 243; p. 1233.
- Moistener, Sheet-. O. Loewenbach. No. 1,249,434; Dec. 11; v. 245; p. 320.
- Moistener, Shoe-upper. J. Mullins. No. 1,247,312; Nov. 20; v. 244; p. 709.
- Moistener, Stamp-. C. M. Pratt. No. 1,221,587; Apr. 3; v. 237; p. 205.
- Moistening and delivering machine, Strip. C. H. Crowell. No. 1,244,708; Oct. 30; v. 243; p. 1153.
- Moistening appliance. J. P. and K. K. Nielsen. No. 1,243,967; Oct. 23; v. 243; p. 891.
- Moistening device. A. B. Wilson. No. 1,240,279; Sept. 18; v. 242; p. 560.
- Moistening device, Envelop-. V. A. Scofield. No. 1,246,793; Nov. 13; v. 244; p. 524.
- Moistening device, Paper-. S. E. Kately and H. C. Alger. No. 1,250,894; Dec. 18; v. 245; p. 790.
- Moisture on glass or other smooth surface, Composition for preventing accumulation of. R. W. Darner. No. 1,228,885; June 5; v. 239; p. 174.
- Moisture on the exposed surface of transparent members, Preventing formation of. A. C. Urmston. No. 1,238,963; Sept. 4; v. 242; p. 78.
- Moisture-tester. W. R. Nicoll and W. J. McLaughlin. No. 1,249,808; Dec. 11; v. 245; p. 430.
- Mold. See—
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| Block-mold. | Ingot-mold. |
| Building-block mold. | Linotype-machine mold. |
| Bulb-mold. | Manger-curb mold. |
| Casting-mold. | Multiple mold. |
| Casting-machine mold. | Paste-forming mold. |
| Cement-block mold. | Pastry mold. |
| Cigar-mold. | Post-mold. |
| Collapsible mold. | Pottery-mold. |
| Column-mold. | Press-mold. |
| Concrete-mold. | Rubber-article mold. |
| Concrete-block mold. | Tie-mold. |
| Concrete-culvert mold. | Tile-mold. |
| Concrete - curb - making mold. | Tire-mold. |
| Concrete-step mold. | Tire-casing mold. |
| Concrete-structure mold. | Tire-vulcanizing mold. |
| Copper-billet mold. | Tubular-article mold. |
| Core-mold. | Tunnel-mold. |
| Culvert-mold. | Type-mold. |
| Expansion-mold. | Vault-mold. |
- Mold. G. Atterbury. No. 1,241,487; Oct. 2; v. 243; p. 3.
- Mold. M. E. Baker. No. 1,243,128; Oct. 16; v. 243; p. 602.
- Mold. F. W. Case. No. 1,219,080; Mar. 13; v. 236; p. 452.
- Mold. S. I. Cothern. No. 1,214,431; Jan. 30; v. 234; p. 1529.
- Mold. J. Darling. No. 1,229,899; June 12; v. 239; p. 562.
- Mold. G. W. Jackson. No. 1,248,125; Nov. 27; v. 244; p. 974.
- Mold. O. G. Shaw and G. A. McKenzie. No. 1,211,632; Jan. 9; v. 234; p. 463.
- Mold. E. G. Stone and E. J. Siddeley. No. 1,212,839; Jan. 16; v. 234; p. 917.
- Mold. S. Swetsoff. No. 1,245,636; Nov. 6; v. 244; p. 150.
- Mold-box. S. R. Brygider. No. 1,221,283; Apr. 3; v. 237; p. 100.
- Mold-charging mechanism, Automatic. E. E. Gallaher and D. J. McGrail. No. 1,229,060; June 5; v. 239; p. 230.
- Mold-clamp. H. Watson. No. 1,236,795; Aug. 14; v. 241; p. 443.
- Mold-clamping device. F. J. Giduz. No. 1,228,106; May 29; v. 238; p. 1521.
- Mold-dumping machine. A. O. Dupuy. No. 1,227,763; May 29; v. 238; p. 1403.
- Mold-dumping machine. A. O. Dupuy. No. 1,227,764; May 29; v. 238; p. 1404.
- Mold-feeder. J. Kukla. No. 1,221,460; Apr. 3; v. 237; p. 161.
- Mold filling and packing machine. A. Bogdanffy and E. Alberti. No. 1,245,429; Nov. 6; v. 244; p. 86.
- Mold-form. M. Blumenthal. No. 1,238,384; Aug. 28; v. 241; p. 1022.
- Mold-form. H. B. Loxterman. No. 1,227,280; May 22; v. 238; p. 1213.
- Mold-heating furnace. J. M. Roth. No. 1,247,015; Nov. 20; v. 244; p. 624.
- Mold-jacket. J. C. and G. L. George. No. 1,211,570; Jan. 9; v. 234; p. 442.
- Mold-making machine. E. S. Carman. No. 1,220,725; Mar. 27; v. 236; p. 1092.
- Mold or transfer plate. T. A. Edison. No. 1,234,451; July 24; v. 240; p. 1060.
- Mold-support. H. Tscherning. No. 1,229,678; June 12; v. 239; p. 490.
- Molds, Hot-top for. C. E. Duncan. No. 1,236,068; Aug. 7; v. 241; p. 175.
- Molds, Jolter for. W. P. Krause. No. 1,228,788; June 5; v. 239; p. 141.

- Molds, Machine for applying sand, powder, or similar substances to. W. C. Tuthill. No. 1,250,531; Dec. 18; v. 245; p. 682.
- Molds, Making. L. F. Nock. No. 1,238,183; Aug. 28; v. 241; p. 956.
- Molds with granular substances, Machine for filling and packing. A. Bogdanffy. No. 1,251,330; Dec. 25; v. 245; p. 969.
- Moldboard, Slat. W. H. Lee. No. 1,223,808; Apr. 24; v. 237; p. 1086.
- Molded article and making the same. H. H. Hurt. No. 1,239,273; Sept. 4; v. 242; p. 178.
- Molding and baking pastry cups and method of extracting the product from the molds, Machine for. A. McLaren. No. 1,243,318; Oct. 16; v. 243; p. 660.
- Molding and ironing machine. D. H. Benjamin. No. 1,220,590; Mar. 27; v. 236; p. 1048.
- Molding and matching machines, Automatic feeder for. J. E. Brown. No. 1,240,665; Sept. 18; v. 242; p. 680.
- Molding and setting table for plastic bodies. R. C. Ogburn. No. 1,241,007; Sept. 25; v. 242; p. 819.
- Molding apparatus. A. E. Abel and T. H. Davies. No. 1,233,949; July 17; v. 240; p. 861.
- Molding apparatus. G. C. Clark. No. 1,210,420; Jan. 2; v. 234; p. 14.
- Molding apparatus. G. C. Clark. No. 1,210,421; Jan. 2; v. 234; p. 15.
- Molding apparatus. S. S. Colt. No. 1,217,416; Feb. 27; v. 235; p. 1158.
- Molding apparatus. S. S. Colt. No. 1,227,041; May 22; v. 238; p. 1133.
- Molding apparatus. S. S. Colt. No. 1,244,958; Oct. 30; v. 243; p. 1229.
- Molding apparatus. W. H. Dougherty. No. 1,236,410; Aug. 14; v. 241; p. 314.
- Molding apparatus. A. P. Gustafson. No. 1,243,660; Oct. 16; v. 243; p. 761.
- Molding apparatus. H. J. Thompson. No. 1,234,418; July 24; v. 240; p. 1050.
- Molding apparatus. H. J. Thompson. No. 1,234,419; July 24; v. 240; p. 1050.
- Molding, Art of. H. W. Alexander. No. 1,239,152; Sept. 4; v. 242; p. 139.
- Molding, Art of. B. L. Weaver. No. 1,233,151; July 10; v. 240; p. 566.
- Molding-cap machine. J. T. Gasiorowski. No. 1,235,460; July 31; v. 240; p. 1402.
- Molding device. L. R. Krug. No. 1,221,459; Apr. 3; v. 237; p. 161.
- Molding-flask. F. J. Becker. No. 1,237,235; Aug. 14; v. 241; p. 580.
- Molding-flask fastener. J. Sonnenfeld. No. 1,250,042; Dec. 11; v. 245; p. 497.
- Molding, Flexible. A. Hamilton. No. 1,221,444; Apr. 3; v. 237; p. 156.
- Molding-machine. F. Aeschbach. No. 1,221,266; Apr. 3; v. 237; p. 94.
- Molding-machine. H. C. Ayerst. No. 1,247,066; Nov. 20; v. 244; p. 638.
- Molding-machine. W. I. Ballentine. No. 1,214,117; Jan. 30; v. 234; p. 1421.
- Molding-machine. F. A. Feldkamp, H. Payson, and W. E. Whipple. No. 1,220,211; Mar. 27; v. 236; p. 913.
- Molding-machine. J. N. Frantz. No. 1,227,773; May 29; v. 238; p. 1407.
- Molding-machine. J. L. Johnson. No. 1,221,452; Apr. 3; v. 237; p. 158.
- Molding-machine. W. Lewis and J. T. Ramsden. No. 1,245,114; Oct. 30; v. 243; p. 1275.
- Molding-machine. A. Malinovsky. No. 1,210,664; Jan. 2; v. 234; p. 100.
- Molding-machine. W. H. Nicholls. No. 1,249,994; Dec. 11; v. 245; p. 483.
- Molding-machine. O. P. Nystrom. No. 1,211,618; Jan. 9; v. 234; p. 458.
- Molding-machine. W. L. Springer. No. 1,242,385; Oct. 9; v. 243; p. 331.
- Molding-machine. L. Thomas. No. 1,213,436; Jan. 23; v. 234; p. 1158.
- Molding-machine. W. H. Van Guilder. No. 1,215,436; Feb. 13; v. 235; p. 366.
- Molding-machine. W. H. Van Guilder. No. 1,245,538; Nov. 6; v. 244; p. 120.
- Molding-machine. W. H. Van Guilder. No. 1,250,394; Dec. 18; v. 245; p. 641.
- Molding-machine. J. R. Wood and D. C. Epright. No. 1,239,656; Sept. 11; v. 242; p. 326.
- Molding-machine. J. R. Wood and D. C. Epright. No. 1,248,975; Dec. 4; v. 245; p. 159.
- Molding-machine for plastic material. C. Barbieri. No. 1,238,980; Sept. 4; v. 242; p. 84.
- Molding-machines, Car for. J. T. Ramsden. No. 1,225,273; May 8; v. 238; p. 452.
- Molding-machines, Flask-clamp for roll-over. W. Lewis. No. 1,245,113; Oct. 30; v. 243; p. 1275.
- Molding-machines, Safety device for rotary. G. N. Rost. No. 1,247,723; Nov. 27; v. 244; p. 861.
- Molding material and making the same. J. P. A. McCoy. No. 1,227,465; May 22; v. 238; p. 1272.
- Molding plastics. E. G. Stone and E. J. Siddeley. No. 1,212,838; Jan. 16; v. 234; p. 917.
- Molding process. A. McNaughton. No. 1,218,437; Mar. 6; v. 236; p. 190.
- Molding, Sheet-metal. E. G. Lehman. No. 1,229,765; June 12; v. 239; p. 517.
- Mole-trap. L. Armbruster. No. 1,216,918; Feb. 20; v. 235; p. 943.
- Mollifier or comforter. A. R. Tufts. No. 1,236,235; Aug. 7; v. 241; p. 228.
- Molten material and obtaining the solid in a subdivided state, Chilling. J. W. Leitch. No. 1,226,542; May 15; v. 238; p. 925.
- Molten material in cylindrical form, Apparatus for forming. E. Danner. No. 1,219,709; Mar. 20; v. 236; p. 700.
- Molten material in cylindrical form, Drawing. E. Danner. No. 1,218,598; Mar. 6; v. 236; p. 245.
- Molten products from a furnace or other apparatus, Means for promoting the discharge of. J. H. Reid. No. 1,227,067; May 22; v. 238; p. 1142.
- Molybdenum compounds, Obtaining. E. H. Westling and C. Andersen. No. 1,250,063; Dec. 11; v. 245; p. 503.
- Money-changer. E. J. Fay. No. 1,219,092; Mar. 13; v. 236; p. 456.
- Money-changing machine. F. P. Furttinger. No. 1,228,370; May 29; v. 238; p. 1605.
- Money-handling machine. N. White. No. 1,249,869; Dec. 11; v. 245; p. 449.
- Monkey-wrench. W. Toczek and J. Ryncarz. No. 1,234,422; July 24; v. 240; p. 1051.
- Monomobile. A. F. Brian. No. 1,232,487; July 10; v. 240; p. 350.
- Monorail switch. R. A. McClure. No. 1,234,918; July 31; v. 240; p. 1240.
- Monument. W. J. Kennedy and G. Yelle. No. 1,214,319; Jan. 30; v. 234; p. 1493.
- Mop. P. Brown. No. 1,249,894; Dec. 11; v. 245; p. 456.
- Mop. C. A. Channell. No. 1,249,900; Dec. 11; v. 245; p. 458.
- Mop. J. C. De Roo. No. 1,244,592; Oct. 30; v. 243; p. 1118.
- Mop. T. J. Ellis. No. 1,236,695; Aug. 14; v. 241; p. 409.
- Mop. C. Frederick. No. 1,245,697; Nov. 6; v. 244; p. 169.
- Mop. L. Harlow. No. 1,215,270; Feb. 6; v. 235; p. 275.
- Mop. J. P. Holtzouser. No. 1,247,959; Nov. 27; v. 244; p. 929.
- Mop. R. G. Parantau. No. 1,237,086; Aug. 14; v. 241; p. 534.
- Mop. R. G. Parantau. No. 1,237,087; Aug. 14; v. 241; p. 535.
- Mop. F. W. Pendergast. No. 1,222,662; Apr. 17; v. 237; p. 656.
- Mop. M. G. Reilly. No. 1,210,841; Jan. 2; v. 234; p. 158.
- Mop. M. K. Stansel. No. 1,250,375; Dec. 18; v. 245; p. 635.
- Mop and clothes-lifter. R. Setzer. No. 1,237,257; Aug. 14; v. 241; p. 588.
- Mop and wringer, Combined. W. J. Barber. No. 1,249,885; Dec. 11; v. 245; p. 454.
- Mop and wringer, Combined. W. J. Bauer. No. 1,218,618; Mar. 13; v. 236; p. 290.
- Mop block, Oiling. J. E. Thompson. No. 1,212,423; Jan. 16; v. 234; p. 771.
- Mop-clamp. H. Andersch and J. A. Rausch. No. 1,223,464; Apr. 24; v. 237; p. 962.
- Mop, Dish-. C. B. Elmore. No. 1,212,032; Jan. 9; v. 234; p. 603.
- Mop, Dust-. C. B. Gilmore. No. 1,230,476; June 19; v. 239; p. 789.
- Mop-head. E. D. Courtney. No. 1,224,524; May 1; v. 238; p. 147.
- Mop head and wringer, Combined. E. V. Olander. No. 1,230,208; June 19; v. 239; p. 700.
- Mop-head, Expandible. F. Brown. No. 1,249,895; Dec. 11; v. 245; p. 457.
- Mop-holder. W. A. Macdonald. No. 1,215,294; Feb. 6; v. 235; p. 282.
- Mop-holder. J. J. Phare. No. 1,211,485; Jan. 9; v. 234; p. 412.
- Mop-holder. B. E. Shannahan. No. 1,245,990; Nov. 6; v. 244; p. 252.
- Mop holder and wringer. I. H. Murdick. No. 1,219,027; Mar. 13; v. 236; p. 436.
- Mop-making machine. B. Harr. No. 1,247,675; Nov. 27; v. 244; p. 846.
- Mop-press. A. L. Lerch. No. 1,246,956; Nov. 20; v. 244; p. 607.
- Mop, Self-wringing. M. Moran. No. 1,235,229; July 31; v. 240; p. 1334.
- Mop shaker, Sanitary dust-. A. W. Harrison and H. W. Bascom. No. 1,245,226; Nov. 6; v. 244; p. 26.
- Mop-wringer. M. A. Boggess. No. 1,234,721; July 31; v. 240; p. 1178.
- Mop-wringer. V. D. White. No. 1,249,265; Dec. 4; v. 245; p. 242.
- Mordants on textile fibers, Fixing iron. P. Schmid. No. 1,216,847; Feb. 20; v. 235; p. 919.
- Mortar-gage. D. D. Drake. No. 1,241,611; Oct. 2; v. 243; p. 47.
- Mortar, Mixing. E. Becker. No. 1,223,239; Apr. 17; v. 237; p. 851.
- Mortising-jig. E. B. Jones. No. 1,210,942; Jan. 2; v. 234; p. 195.

Alphabetical list of inventions—Continued.

- Mortising-machine. G. W. Campbell. No. 1,245,677; Nov. 6; v. 244; p. 162.
- Mortising-machine. H. S. Hallwood. No. 1,225,625; May 8; v. 238; p. 574.
- Mortuary board. K. L. Kirkpatrick and A. Molthen. No. 1,237,055; Aug. 14; v. 241; p. 526.
- Mosquito-bar. V. A. Smith. No. 1,226,401; May 15; v. 238; p. 881.
- Moth-nest picker and retriever. F. L. Toothaker. No. 1,211,506; Jan. 9; v. 234; p. 420.
- Motion, Converting. J. B. Wilson. No. 1,251,154; Dec. 25; v. 245; p. 917.
- Motion-converting device. J. Ljung. No. 1,236,325; Aug. 7; v. 241; p. 254.
- Motion-converting mechanism. J. B. Lee. No. 1,232,055; July 3; v. 240; p. 176.
- Motion-converting mechanism. J. Peterson. No. 1,241,015; Sept. 25; v. 242; p. 822.
- Motion, Let-off. J. F. Carpenter. No. 1,249,899; Dec. 11; v. 245; p. 458.
- Motion mechanism, Intermittent. A. Mehlfelder. No. 1,225,151; May 8; v. 238; p. 413.
- Motion, Starting and stopping. E. C. Northrup. No. 1,244,636; Oct. 30; v. 243; p. 1131.
- Motion, Top-comb. F. L. Crockett. No. 1,221,839; Apr. 10; v. 237; p. 324.
- Motive fluid under pressure, Generating and utilizing. J. Dow. No. 1,232,247; July 3; v. 240; p. 238.
- Motive-force control for apparatus. S. J. Paul. No. 1,226,587; May 15; v. 238; p. 938.
- Motor: See—
- Aeroplane-motor. Pneumatic motor.
- Air-motor. Rotary motor.
- Armored motor. Rotary-cylinder motor.
- Chain-drive motor. Rotating motor.
- Current-motor. Rowboat-motor.
- Electric motor. Sewing-machine motor.
- Engine-starting motor. Speed-motor.
- Explosion-motor. Spring-motor.
- Fan-motor. Steam-motor.
- Fluid-motor. Synchronous motor.
- Fluid-driven motor. Talking-machine motor.
- Fluid-pressure motor. Tidal motor.
- Foot-motor. Toy motor.
- Hydraulic motor. Toy electric motor.
- Hydrocarbon-motor. Universal motor.
- Impulse-motor. Water-motor.
- Induction-motor. Wave-motor.
- Internal-combustion motor. Weight-motor.
- Massage-apparatus motor. Wind-motor.
- Phonograph motor.
- Motor. T. P. Brooke. No. 1,210,409; Jan. 2; v. 234; p. 10.
- Motor. T. P. Brooke. No. 1,238,488; Aug. 28; v. 241; p. 1056.
- Motor. T. P. Brooke. No. 1,247,788; Nov. 27; v. 244; p. 881.
- Motor. S. O. Gould. No. 1,228,316; May 29; v. 238; p. 1587.
- Motor. R. B. Holmes. No. 1,224,642; May 1; v. 238; p. 187.
- Motor. M. M. and C. M. Matsen. No. 1,246,766; Nov. 13; v. 244; p. 515.
- Motor. J. N. Parker. No. 1,214,361; Jan. 30; v. 234; p. 1506.
- Motor. A. G. Zwarich. No. 1,222,710; Apr. 17; v. 237; p. 673.
- Motor. A. C. Zwarich. No. 1,237,597; Aug. 21; v. 241; p. 735.
- Motor-adjusting base. C. C. Rathburn. No. 1,211,352; Jan. 2; v. 234; p. 333.
- Motor and gearing therefor. J. A. Shepard. No. 1,213,427; Jan. 23; v. 234; p. 1155.
- Motor and mounting, Adaptable. A. E. Jenney. No. 1,246,930; Nov. 20; v. 244; p. 600.
- Motor and support for display-forms and the like. M. A. Heimann. No. 1,223,876; Apr. 24; v. 237; p. 1109.
- Motor and transmission support. H. P. Woodworth. No. 1,247,055; Nov. 20; v. 244; p. 635.
- Motor attachment. E. L. Moore. No. 1,239,714; Sept. 11; v. 242; p. 347.
- Motor-boats, Clutch control for multipropeller. E. P. Du Pont. No. 1,247,799; Nov. 27; v. 244; p. 884.
- Motor-boats, Speeder mechanism for. W. Jones. No. 1,239,186; Sept. 4; v. 242; p. 148.
- Motor-carriage-controlling apparatus. T. E. Murray, Jr. No. 1,230,426; June 19; v. 239; p. 771.
- Motor-control apparatus. F. Hymans. No. 1,225,963; May 15; v. 238; p. 730.
- Motor-control device, Springs. J. Kirsch. No. 1,228,326; May 29; v. 238; p. 1590.
- Motor control, Electric. E. W. Pittman. No. 1,236,005; Aug. 7; v. 241; p. 156.
- Motor control, Induction. K. A. Pauly. No. 1,215,184; Feb. 6; v. 235; p. 244.
- Motor-control system. H. L. Beach. No. 1,231,557; July 3; v. 240; p. 5.
- Motor-control system. H. L. Beach. No. 1,242,910; Oct. 16; v. 243; p. 533.
- Motor-control system. G. N. Crabbe. No. 1,245,194; Nov. 6; v. 244; p. 16.
- Motor-control system. J. Eaton. No. 1,233,854; July 17; v. 240; p. 831.
- Motor-control system. E. A. Hanff. No. 1,231,599; July 3; v. 240; p. 21.
- Motor-control system. W. P. Jackson. No. 1,216,126; Feb. 13; v. 235; p. 618.
- Motor-control system. W. R. Johnston. No. 1,231,614; July 3; v. 240; p. 25.
- Motor-control system. W. O. Lum. No. 1,227,810; May 29; v. 238; p. 1419.
- Motor-control system. W. O. Lum. No. 1,236,726; Aug. 14; v. 241; p. 419.
- Motor-control system. E. J. Murphy. No. 1,214,355; Jan. 30; v. 234; p. 1504.
- Motor-control system. L. G. Riley. No. 1,238,337; Aug. 28; v. 241; p. 1007.
- Motor-control system. C. P. Taylor. No. 1,240,623; Sept. 18; v. 242; p. 665.
- Motor-control system, Electric. A. J. Hall. No. 1,249,747; Dec. 11; v. 245; p. 412.
- Motor-control system, Electric. J. J. Linebaugh. No. 1,250,906; Dec. 18; v. 245; p. 794.
- Motor-control system, Electric. N. W. Storer. No. 1,239,840; Sept. 11; v. 242; p. 387.
- Motor-control system, Single-phase. R. E. Hellmund. No. 1,224,166; May 1; v. 238; p. 18.
- Motor-controller. T. E. Barnum. No. 1,237,454; Aug. 21; v. 241; p. 690.
- Motor-controller. T. E. Barnum. No. 1,245,551; Nov. 6; v. 244; p. 124.
- Motor-controller. H. G. R. Bennett. No. 1,233,959; July 17; v. 240; p. 865.
- Motor-controller. C. T. Evans. No. 1,214,663; Feb. 6; v. 235; p. 64.
- Motor-controller. M. M. Goldenstein. No. 1,234,151; July 24; v. 240; p. 962.
- Motor-controller. C. T. Henderson. No. 1,222,207; Apr. 10; v. 237; p. 453.
- Motor-controller. C. T. Henderson and H. J. Harries. No. 1,238,516; Aug. 28; v. 241; p. 1065.
- Motor-controller. A. J. Horton. No. 1,237,518; Aug. 21; v. 241; p. 710.
- Motor-controller. N. L. Mortensen. No. 1,227,177; May 22; v. 238; p. 1180.
- Motor-controller. C. W. Yerger. No. 1,225,096; May 8; v. 238; p. 395.
- Motor-controller, Automatic. L. J. McDowell. No. 1,226,546; May 15; v. 238; p. 926.
- Motor controller, Electric. G. H. Whittingham. No. 1,241,180; Sept. 25; v. 242; p. 873.
- Motor controller, Electric. G. H. Whittingham. No. 1,243,665; Oct. 16; v. 243; p. 762.
- Motor-controlling apparatus, Electric. H. C. Mosley. No. 1,232,372; July 3; v. 240; p. 278.
- Motor-controlling device. J. Richmond. No. 1,226,255; May 15; v. 238; p. 833.
- Motor-controlling mechanism, Electric. C. Redfield. No. 1,240,877; Sept. 25; v. 242; p. 779.
- Motor-controlling mechanism, Hydraulic. E. L. Dunn. No. 1,242,928; Oct. 16; v. 243; p. 539.
- Motor-craft, High-speed. P. C. Hewitt. No. 1,227,784; May 29; v. 238; p. 1410.
- Motor cut-out. C. E. Taylor. No. 1,231,810; July 3; v. 240; p. 93.
- Motor-cycle. C. J. Gustafson. No. 1,249,072; Dec. 4; v. 245; p. 187.
- Motor-cycle side-car frame. R. F. Rogers. No. 1,247,333; Nov. 20; v. 244; p. 715.
- Motor device of the induction type. C. I. Hall. No. 1,234,466; July 24; v. 240; p. 1065.
- Motor-drill. G. F. and L. E. Hochriem. No. 1,214,680; Feb. 6; v. 235; p. 70.
- Motor-drive. J. J. Wood. No. 1,232,152; July 3; v. 240; p. 209.
- Motor drive, Electric. J. E. Whitt. No. 1,235,087; July 31; v. 240; p. 1292.
- Motor-driven machines, Controller for. F. P. Townsend and W. F. Lent. No. 1,245,532; Nov. 6; v. 244; p. 118.
- Motor driving mechanism. N. Power. No. 1,242,976; Oct. 16; v. 243; p. 554.
- Motor escapement, Spring. F. Magidson. No. 1,212,786; Jan. 16; v. 234; p. 899.
- Motor escapement, Spring. F. Magidson. No. 1,212,789; Jan. 16; v. 234; p. 901.
- Motor-generator. A. E. Doman. No. 1,247,650; Nov. 27; v. 244; p. 838.
- Motor-governing device, Air. M. Clark. No. 1,229,586; June 12; v. 239; p. 458.
- Motor governor, Spring. T. W. Kirkman. No. 1,236,449; Aug. 14; v. 241; p. 327.
- Motor-handle shield. U. F. Heineck. No. 1,214,032; Jan. 30; v. 234; p. 1393.
- Motor hydrocarbon-supply device. H. L. Patterson. No. 1,222,576; Apr. 10; v. 237; p. 585.
- Motor-lift-out device. H. M. Mitchell. No. 1,228,947; June 5; v. 239; p. 193.
- Motor mechanism and speed-regulating means therefor. W. F. Grupe. No. 1,243,285; Oct. 16; v. 243; p. 649.
- Motor mechanism, Spring. F. Magidson. No. 1,212,787; Jan. 16; v. 234; p. 900.
- Motor-meter, Mercury. A. L. Emens. No. 1,226,956; May 22; v. 238; p. 1103.
- Motor-meter, Mercury. R. C. Lanphier. No. 1,225,975; May 15; v. 238; p. 734.

- Motor on motor-driven vehicles or the like, Support for the. E. A. Jern. No. 1,217,602; Feb. 27; v. 235; p. 1226.
- Motor or pump. T. A. Killman. No. 1,221,333; Apr. 3; v. 237; p. 117.
- Motor-power transmission. A. Mass. No. 1,215,177; Feb. 6; v. 235; p. 241.
- Motor-regulating device, Wind-. V. J. Johansson. No. 1,242,196; Oct. 9; v. 243; p. 271.
- Motor, Running a synchronous. A. R. Bullock. No. 1,223,472; Apr. 24; v. 237; p. 965.
- Motor-shafts, Counterbalance for. J. W. Ridgway. No. 1,223,346; Apr. 17; v. 237; p. 888.
- Motor-spirit from heavy hydrocarbons, Production of. W. A. Hall. No. 1,242,795; Oct. 9; v. 243; p. 462.
- Motor-starter. H. P. E. Petersen. No. 1,250,647; Dec. 18; v. 245; p. 716.
- Motor starter, Alternating-current. I. W. Kahn. No. 1,232,322; July 3; v. 240; p. 262.
- Motor starter, Electric. T. A. Melville. No. 1,237,080; Aug. 14; v. 241; p. 532.
- Motor-starting device, Explosive-. I. H. Davis. No. 1,217,574; Feb. 27; v. 235; p. 1215.
- Motor-starting device, Multiphase-. H. H. Cutler. No. 1,231,714; July 3; v. 240; p. 61.
- Motor-starting mechanism, Internal-combustion-. E. E. Jones. No. 1,220,853; Mar. 27; v. 236; p. 1138.
- Motor-starting switch. C. A. Ahlstrom. No. 1,231,229; June 26; v. 239; p. 1080.
- Motor-starting switch. R. C. Patten. No. 1,232,599; July 10; v. 240; p. 385.
- Motor-supporting means, Electric-. C. F. Stoddard. No. 1,243,358; Oct. 16; v. 243; p. 670.
- Motor system and controller therefor, Regenerative electric-. D. W. Perin. No. 1,215,847; Feb. 13; v. 235; p. 516.
- Motor system, Electric-. C. de Kandó. No. 1,222,539; Apr. 10; v. 237; p. 571.
- Motor-winding crank. A. M. Ewart. No. 1,232,779; July 10; v. 240; p. 445.
- Motor-winding crank. A. M. Ewart. No. 1,238,654; Aug. 28; v. 241; p. 1108.
- Motors, Air-feed for. S. E. Reid. No. 1,230,781; June 19; v. 239; p. 890.
- Motors and the like, System of controlling. W. L. Hamilton. No. 1,237,329; Aug. 21; v. 241; p. 649.
- Motors, Apparatus for the control of. E. R. Coe. No. 1,217,413; Feb. 27; v. 235; p. 1157.
- Motors, Automatic electric winder for spring-. W. G. Shelton. No. 1,217,843; Feb. 27; v. 235; p. 1308.
- Motors, Auxiliary air-supply device for. J. G. Hawley. No. 1,220,419; Mar. 27; v. 236; p. 987.
- Motors, Change-speed gear for. A. G. L. Neighbour. No. 1,227,298; May 22; v. 238; p. 1219.
- Motors, Control of alternating-current. T. W. Varley. No. 1,228,852; June 5; v. 239; p. 164.
- Motors, Controller for and method of regulating electric. H. E. Dey. No. 1,222,852; Apr. 17; v. 237; p. 720.
- Motors, Decarbonizing attachment for internal-combustion. G. H. Hodgdon. No. 1,211,705; Jan. 9; v. 234; p. 488.
- Motors, Device for priming internal-combustion. W. J. Potter. No. 1,239,518; Sept. 11; v. 242; p. 282.
- Motors, Foot air-accelerator for hydrocarbon-. E. Bussey. No. 1,218,927; Mar. 13; v. 236; p. 402.
- Motors, Ignition-timing device for internal-combustion. W. E. Nickerson. No. 1,232,596; July 10; v. 240; p. 384.
- Motors, Increasing the efficiency of internal-combustion. K. De Lony. No. 1,212,917; Jan. 16; v. 234; p. 943.
- Motors, Interlock for starting. J. P. Nikonow. No. 1,231,637; July 3; v. 240; p. 33.
- Motors, Means for collectively actuating and controlling alternating-current. J. L. Routin. No. 1,221,095; Apr. 3; v. 237; p. 32.
- Motors of motor road-vehicles, Starting mechanism for the. G. P. McDonnell. No. 1,211,605; Jan. 9; v. 234; p. 454.
- Motors or generators, Brush-mounting for electric. T. L. Lee. No. 1,240,585; Sept. 18; v. 242; p. 654.
- Motors, Priming-cup for. W. J. Liddle. No. 1,227,459; May 22; v. 238; p. 1270.
- Motors, Regenerative braking system for electric. N. W. Storer. No. 1,245,523; Nov. 6; v. 244; p. 115.
- Motors, Regenerative control system for alternating-current. R. E. Hellmund. No. 1,232,033; July 3; v. 240; p. 168.
- Motors, Regulating-controller for electric. H. R. Stuart. No. 1,231,666; July 3; v. 240; p. 43.
- Motors, Remote control for electric. C. P. Wells. No. 1,246,687; Nov. 13; v. 244; p. 492.
- Motors, Safety-stop for elevator-. A. Sorlien. No. 1,249,537; Dec. 11; v. 245; p. 351.
- Motors, Short-circuiting device for. M. I. Ginsburg. No. 1,245,701; Nov. 6; v. 244; p. 170.
- Motors, Spark producing and distributing apparatus for explosive-. V. Paquit. No. 1,244,124; Oct. 23; v. 243; p. 938.
- Motors, System and apparatus for controlling electric. N. W. Storer and A. J. Hall. No. 1,229,544; June 12; v. 239; p. 444.
- Motors, System and apparatus for controlling fluid-. N. W. Storer and A. J. Hall. No. 1,229,543; June 12; v. 239; p. 444.
- Motors, Three-point suspension for vehicle-. J. Squires. No. 1,211,637; Jan. 9; v. 234; p. 405.
- Mounting-machine. J. F. Lingemann. No. 1,233,889; July 17; v. 240; p. 841.
- Mouse and rat trap. W. H. Jackson. No. 1,218,406; Mar. 6; v. 236; p. 180.
- Mouse and rat trap. J. E. Jascen. No. 1,228,324; May 29; v. 238; p. 1590.
- Mouse-trap. E. Czezel. No. 1,231,501; June 26; v. 239; p. 1169.
- Mouse-trap. W. A. Kōneman. No. 1,243,428; Oct. 16; v. 243; p. 692.
- Mouse-trap. G. Mutz. No. 1,214,060; Jan. 30; v. 234; p. 1403.
- Mouse-trap, Wire-base. C. A. Sampson. No. 1,217,073; Feb. 20; v. 235; p. 994.
- Movable member in a mechanism by a passing body, Means for operating a. H. A. Cox, G. E. Lloyd, and H. E. Osborne. No. 1,246,238; Nov. 13; v. 244; p. 357.
- Movable seat and support, Combination. C. J. Perkins. No. 1,241,434; Sept. 25; v. 242; p. 952.
- Moving apparatus, Material-. H. B. Sauerman. No. 1,246,473; Nov. 13; v. 244; p. 429.
- Mower. S. P. Townsend. No. 1,245,825; Nov. 6; v. 244; p. 207.
- Mower and lawn-trimmer, Lawn-. W. S. and M. H. Pater-son. No. 1,222,241; Apr. 10; v. 237; p. 466.
- Mower attachment. A. N. Anderson. No. 1,212,167; Jan. 16; v. 234; p. 677.
- Mower attachment, Lawn-. F. W. Weibel. No. 1,221,930; Apr. 10; v. 237; p. 358.
- Mower-cutter. L. Briles. No. 1,218,924; Mar. 13; v. 236; p. 401.
- Mower finger-bar. C. A. Johnson. No. 1,219,322; Mar. 13; v. 236; p. 535.
- Mower, Gang-. J. F. Braun. No. 1,235,649; Aug. 7; v. 241; p. 39.
- Mower, Gang-. J. F. Braun. No. 1,241,086; Sept. 25; v. 242; p. 844.
- Mower, Gang lawn-. W. H. Coldwell. No. 1,246,234; Nov. 13; v. 244; p. 356.
- Mower, Gang lawn-. C. C. Worthington. No. 1,210,878; Jan. 2; v. 234; p. 172.
- Mower, Hand-. A. Pietrobono. No. 1,228,045; May 29; v. 238; p. 1500.
- Mower, Lawn-. C. O. Bakke. No. 1,220,489; Mar. 27; v. 236; p. 1013.
- Mower, Lawn-. T. K. Bunker. No. 1,222,263; Apr. 10; v. 237; p. 473.
- Mower, Lawn-. L. P. Carhart. No. 1,230,086; June 12; v. 239; p. 621.
- Mower, Lawn-. H. J. Farmer. No. 1,216,676; Feb. 20; v. 235; p. 861.
- Mower, Lawn-. W. E. Graham. No. 1,226,206; May 15; v. 238; p. 813.
- Mower, Lawn-. W. L. Haymond. No. 1,247,832; Nov. 27; v. 244; p. 894.
- Mower, Lawn-. F. Henriksen. No. 1,251,022; Dec. 25; v. 245; p. 879.
- Mower, Lawn-. W. Hill. No. 1,230,710; June 19; v. 239; p. 867.
- Mower, Lawn-. N. J. Kinden. No. 1,235,144; July 31; v. 240; p. 1308.
- Mower, Lawn-. H. H. Montague. No. 1,221,204; Apr. 3; v. 237; p. 72.
- Mower, Lawn-. W. S. Pedlar. No. 1,225,050; May 8; v. 238; p. 379.
- Mower, Lawn-. L. Pratt. No. 1,241,762; Oct. 2; v. 243; p. 94.
- Mower, Lawn-. H. Warren. No. 1,225,380; May 8; v. 238; p. 492.
- Mower, Power lawn-. W. W. Gore. No. 1,240,561; Sept. 13; v. 242; p. 648.
- Mower shears, Lawn-. P. J. McGrath. No. 1,214,562; Feb. 6; v. 235; p. 27.
- Mowers, Basket for lawn-. S. Koehli. No. 1,244,341; Oct. 23; v. 243; p. 1004.
- Mowers, Cutter-bar for lawn-. C. J. Goble. No. 1,229,253; June 12; v. 239; p. 345.
- Mowers, Cutting apparatus for. F. Crawford. No. 1,239,570; Sept. 11; v. 242; p. 300.
- Mowers, Detachable grass-catcher for lawn-. T. S. Morton. No. 1,211,740; Jan. 9; v. 234; p. 489.
- Mowers, Gearing for. C. Pearson. No. 1,233,397; July 17; v. 240; p. 682.
- Mowers, Grass-catcher for lawn-. H. E. Schultz, Jr. No. 1,219,169; Mar. 13; v. 236; p. 483.
- Mowers, Grass-conveyer for lawn-. A. Neuman. No. 1,248,382; Nov. 27; v. 244; p. 1047.
- Mowers, Pitman connection for. H. Flater. No. 1,241,504; Oct. 2; v. 243; p. 9.
- Mowers, Seed-gathering attachment for. A. N. Timms. No. 1,249,295; Dec. 4; v. 245; p. 251.
- Mowers, Seed-saving attachment for. N. S. Cole. No. 1,233,984; July 17; v. 240; p. 872.
- Mowing apparatus. W. B. Bland. No. 1,228,642; June 5; v. 239; p. 91.
- Mowing apparatus, Hay-. A. B. Culp. No. 1,230,127; June 19; v. 239; p. 673.
- Mowing-blade. E. B. Fuqua. No. 1,245,897; Nov. 6; v. 244; p. 229.
- Mowing device, Hay-. G. H. Perkins. No. 1,242,853; Oct. 9; v. 243; p. 481.

Alphabetical list of inventions—Continued.

- Mowing-machine. S. L. Cluett. No. 1,234,528; July 24; v. 240; p. 1085.
- Mowing-machine. J. G. Fahr. No. 1,229,248; June 12; v. 239; p. 343.
- Mowing-machine. R. G. Harrier. No. 1,219,552; Mar. 20; v. 236; p. 646.
- Mowing-machine. H. L. Hopkins. No. 1,217,449; Feb. 27; v. 235; p. 1171.
- Mowing-machine. J. W. Latimer. No. 1,237,661; Aug. 21; v. 241; p. 757.
- Mowing-machine. C. Pearson. No. 1,213,942; Jan. 30; v. 234; p. 1361.
- Mowing-machine. C. Pearson. No. 1,237,689; Aug. 21; v. 241; p. 766.
- Mowing-machine. C. Pearson. No. 1,237,690; Aug. 21; v. 241; p. 766.
- Mowing-machine. C. Pearson. No. 1,240,361; Sept. 18; v. 242; p. 586.
- Mowing-machine. S. Skalicky. No. 1,211,972; Jan. 9; v. 234; p. 585.
- Mowing-machine. R. A. Wass. No. 1,212,427; Jan. 16; v. 234; p. 772.
- Mowing-machine. W. F. Welch. No. 1,229,000; June 5; v. 239; p. 210.
- Mowing-machine pitmen. Adjustable bearing for. O. Miller. No. 1,213,773; Jan. 23; v. 234; p. 1272.
- Mowing-machine sickle-bar. A. D. Baldwin. No. 1,212,880; Jan. 16; v. 234; p. 931.
- Mowing-machines. Dividing-board for. A. A. Dorsey. No. 1,221,980; Apr. 10; v. 237; p. 374.
- Mowing-machines. Pitman-joint for. H. L. Hopkins. No. 1,215,805; Feb. 13; v. 235; p. 500.
- Mowing-machines. Tandem draft connection for. C. Pearson. No. 1,233,396; July 17; v. 240; p. 681.
- Mowing-machines. Transmission-gearing for. L. Braden. No. 1,226,454; May 15; v. 238; p. 897.
- Mowing-machines. Transmission-gearing for. L. Braden. No. 1,226,455; May 15; v. 238; p. 897.
- Mowing-machines. Transmission-gearing for. L. Braden. No. 1,226,456; May 15; v. 238; p. 898.
- Mowing-machines. Vertical cutter attachment for. O. Kluge. No. 1,229,756; June 12; v. 239; p. 514.
- Moxibustion. K. Fujii. No. 1,235,022; July 31; v. 240; p. 1273.
- Mucilage-container. A. J. Prenosil. No. 1,227,658; May 29; v. 238; p. 1367.
- Mucilage-dispensing receptacle. E. C. Berners. No. 1,224,894; May 8; v. 238; p. 326.
- Mucilage-receptacles and the like. Detachable distributing-closure for. O. Winkelmiller. No. 1,218,735; Mar. 13; v. 236; p. 332.
- Mud-deflector. H. J. Butler. No. 1,220,494; Mar. 27; v. 236; p. 1014.
- Mud-guard and advertising device. Combined. E. A. Campbell. No. 1,219,244; Mar. 13; v. 236; p. 508.
- Mud-guard for motor and other vehicles. A. C. Adams. No. 1,227,026; May 22; v. 238; p. 1128.
- Mud-guard for motor-vehicles. S. Q. Stanley. No. 1,244,656; Oct. 30; v. 243; p. 1137.
- Mud-hook clamp. C. C. Gray. No. 1,240,703; Sept. 18; v. 242; p. 690.
- Mud-lug. F. C. Poling. No. 1,236,602; Aug. 14; v. 241; p. 376.
- Mud or other adhesions from footwear or like articles. Hand appliance for detaching. F. Apted. No. 1,251,321; Dec. 25; v. 245; p. 966.
- Mud. Recovering values from waste lime. H. A. Galt. No. 1,249,739; Dec. 11; v. 245; p. 409.
- Muff and similar article. I. Berliner and L. Weltzman. No. 1,216,929; Feb. 20; v. 235; p. 946.
- Muffler. E. D. L. Bowman. No. 1,222,723; Apr. 17; v. 237; p. 677.
- Muffler. W. G. Macomber. No. 1,226,789; May 22; v. 238; p. 1047.
- Muffler. R. L. McElroy. No. 1,242,219; Oct. 9; v. 243; p. 279.
- Muffler. E. Schmitt. No. 1,236,987; Aug. 14; v. 241; p. 503.
- Muffler. E. I. Weisberg. No. 1,246,196; Nov. 13; v. 244; p. 345.
- Muffler cut-out. J. S. Losee. No. 1,227,461; May 22; v. 238; p. 1270.
- Muffler cut-out. I. Stanley. No. 1,227,212; May 22; v. 238; p. 1190.
- Muffler cut-out. O. H. Watkins. No. 1,242,621; Oct. 9; v. 243; p. 407.
- Muffler. Exhaust-. T. V. Buckwalter. No. 1,240,415; Sept. 18; v. 242; p. 603.
- Muffler. Exhaust-. G. F. Turner. No. 1,213,558; Jan. 23; v. 234; p. 1201.
- Mug attachment. Shaving-. C. Ainis. No. 1,228,160; May 29; v. 238; p. 1537.
- Mule stop-motion. A. R. Layman. No. 1,215,039; Feb. 6; v. 235; p. 197.
- Mule stop-motion. A. R. Layman. No. 1,225,660; May 8; v. 238; p. 585.
- Multibladed knife. A. P. Olot. No. 1,240,946; Sept. 25; v. 242; p. 800.
- Multiple drill. N. O. Goldsmith. No. 1,249,379; Dec. 11; v. 245; p. 305.
- Multiple mold. G. W. Bowers. No. 1,229,873; June 12; v. 239; p. 554.
- Multiple pan. H. J. Haigh. No. 1,221,725; Apr. 3; v. 237; p. 250.
- Multiple service connection. J. T. Skinner. No. 1,224,971; May 8; v. 238; p. 352.
- Multiple service connection. J. T. Skinner. No. 1,235,069; July 31; v. 240; p. 1286.
- Multiple switch. C. A. Singer. No. 1,239,833; Sept. 11; v. 242; p. 384.
- Multiple table. W. Simms. No. 1,227,681; May 29; v. 238; p. 1375.
- Multiplying-machine. J. P. Cluley. No. 1,221,027; Apr. 3; v. 237; p. 8.
- Multitime separator and distributor. D. L. Martyn. No. 1,243,852; Oct. 23; v. 243; p. 857.
- Museum or show case. J. F. Arnold. No. 1,230,825; June 19; v. 239; p. 904.
- Music-case. G. R. Ridgeway. No. 1,220,788; Mar. 27; v. 236; p. 1113.
- Music electrically. Art of and apparatus for generating and distributing. T. Cahill. No. 1,213,803; Jan. 23; v. 234; p. 1283.
- Music electrically. Art of and apparatus for generating and distributing. T. Cahill. No. 1,213,804; Jan. 23; v. 234; p. 1283.
- Music. Game-cards for teaching. E. F. Noel. No. 1,217,810; Feb. 27; v. 235; p. 1297.
- Music-indicator. F. A. Nelson. No. 1,240,083; Sept. 11; v. 242; p. 459.
- Music-leaf holder. J. A. Scroggin. No. 1,217,840; Feb. 27; v. 235; p. 1307.
- Music-leaf turner. J. B. Albert. No. 1,214,110; Jan. 30; v. 234; p. 1419.
- Music-leaf turner. H. J. Bailey. No. 1,219,904; Mar. 20; v. 236; p. 768.
- Music-leaf turner. E. M. Barnes. No. 1,251,169; Dec. 25; v. 245; p. 921.
- Music-leaf turner. A. C. Bartholo. No. 1,236,531; Aug. 14; v. 241; p. 354.
- Music-leaf turner. C. A. Elliott. No. 1,220,077; Mar. 20; v. 236; p. 829.
- Music-leaf turner. C. Faist. No. 1,215,262; Feb. 6; v. 235; p. 272.
- Music-leaf turner. L. O. Green. No. 1,212,050; Jan. 9; v. 234; p. 609.
- Music-leaf turner. E. J. Hawkins. No. 1,211,579; Jan. 9; v. 234; p. 445.
- Music-leaf turner. P. Hoyer. No. 1,237,339; Aug. 21; v. 241; p. 653.
- Music-leaf turner. M. J. Johnson. No. 1,235,807; Aug. 7; v. 241; p. 91.
- Music-leaf turner. E. A. Lewis and P. R. Pinkard. No. 1,244,749; Oct. 30; v. 243; p. 1165.
- Music-leaf turner. F. Margert. No. 1,248,520; Dec. 4; v. 245; p. 26.
- Music-leaf turner. F. W. Meyer. No. 1,248,692; Dec. 4; v. 245; p. 78.
- Music-leaf turner. J. Nicholls and S. Lazzure. No. 1,211,744; Jan. 9; v. 234; p. 501.
- Music-leaf turner. W. C. Perry. No. 1,211,751; Jan. 9; v. 234; p. 503.
- Music-leaf turner. C. Seale. No. 1,230,041; June 12; v. 239; p. 606.
- Music-leaf turner. J. B. Turner. No. 1,226,280; May 15; v. 238; p. 843.
- Music-leaf turner. R. L. Weed. No. 1,216,897; Feb. 20; v. 235; p. 936.
- Music-leaf turner. B. F. Williams. No. 1,225,546; May 8; v. 238; p. 547.
- Music-leaf turner and music-portfolio. K. K. Bernard. No. 1,220,313; Mar. 27; v. 236; p. 951.
- Music-players. Accenting device for. B. B. Kendig. No. 1,237,651; Aug. 21; v. 241; p. 753.
- Music-playing instrument. Automatic. H. A. Van Valkenburg. No. 1,224,693; May 1; v. 238; p. 205.
- Music-playing instruments. Note-sheet-receiving spool for pneumatic. F. C. White. No. 1,234,842; July 31; v. 240; p. 1215.
- Music-playing-sheet indication. R. A. Gally. No. 1,246,413; Nov. 13; v. 244; p. 410.
- Music-rack. T. Gonnella. No. 1,247,525; Nov. 20; v. 244; p. 770.
- Music-roll. W. E. Haskell. No. 1,236,430; Aug. 14; v. 241; p. 321.
- Music-roll-controlling apparatus. F. C. White. No. 1,236,125; Aug. 7; v. 241; p. 192.
- Music-rolls. Combined spindle and casing for. M. B. Peal. No. 1,245,377; Nov. 6; v. 244; p. 70.
- Music-rolls. Driving and controlling mechanism for. C. M. Welte. No. 1,211,799; Jan. 9; v. 234; p. 521.
- Music-rolls. Spooling-machine for. G. H. Davis. No. 1,230,130; June 19; v. 239; p. 674.
- Music-sheet. L. B. Doman. No. 1,232,663; July 10; v. 240; p. 406.
- Music-sheet and spool therefor for automatic piano-players. J. S. Holmes. No. 1,245,104; Oct. 30; v. 243; p. 1272.
- Music-sheet changer for mechanical musical instruments. A. Zollinger. No. 1,211,029; Jan. 2; v. 234; p. 226.
- Music-sheet-controlling device. P. B. Klugh. No. 1,240,160; Sept. 11; v. 242; p. 483.
- Music-sheet-guiding device. T. P. Brown. No. 1,246,865; Nov. 20; v. 244; p. 581.
- Music-sheet leaves. Tab for. F. J. Uhl. No. 1,234,974; July 31; v. 240; p. 1258.

- Music-sheet-rewinding governor. R. A. Gally. No. 1,248,306; Nov. 27; v. 244; p. 1026.
- Music-sheet turner. C. W. Smith and E. A. O'Brien. No. 1,231,080; June 26; v. 239; p. 1030.
- Music-sheets, Automatic tracking device for. W. F. Bayer. No. 1,211,048; Jan. 2; v. 234; p. 231.
- Music-stand. T. Gonnella. No. 1,244,320; Oct. 23; v. 243; p. 998.
- Music-teaching appliance. G. Pantillon. No. 1,227,489; May 22; v. 238; p. 1280.
- Music-turner. R. A. Harris. No. 1,239,006; Sept. 4; v. 242; p. 92.
- Music-turner. A. J. Yaklich. No. 1,228,511; June 5; v. 239; p. 47.
- Music turner, Sheet-. J. J. Sohn. No. 1,234,404; July 24; v. 240; p. 1045.
- Musical apparatus, Pneumatically-operated. J. P. Eustis and A. T. Brown. No. 1,251,000; Dec. 25; v. 245; p. 872.
- Musical chart. C. L. Schutze. No. 1,214,380; Jan. 30; v. 234; p. 1513.
- Musical chart, Transposing. H. P. Mills. No. 1,236,339; Aug. 7; v. 241; p. 258.
- Musical instruction. T. J. Irwin. No. 1,212,356; Jan. 16; v. 234; p. 747.
- Musical instrument. R. Colling. No. 1,246,055; Nov. 13; v. 244; p. 303.
- Musical instrument. J. H. Dickinson. No. 1,237,179; Aug. 14; v. 241; p. 562.
- Musical instrument, Automatic. E. Böcker. No. 1,222,722; Apr. 17; v. 237; p. 677.
- Musical instrument, Automatic. J. C. Dehls. No. 1,251,351; Dec. 25; v. 245; p. 975.
- Musical instrument, Automatic. E. R. Hunter. No. 1,251,233; Dec. 25; v. 245; p. 939.
- Musical instrument, Automatic. A. W. MacVey. No. 1,250,606; Dec. 18; v. 245; p. 705.
- Musical instrument, Automatic. F. A. Pilcher. No. 1,224,733; May 1; v. 238; p. 236.
- Musical instrument, Automatic. A. Swensen. No. 1,231,809; July 3; v. 240; p. 93.
- Musical-instrument bellows. R. A. Gally. No. 1,233,864; July 17; v. 240; p. 834.
- Musical-instrument case. J. C. Hagey. No. 1,234,539; July 24; v. 240; p. 1088.
- Musical-instrument driving mechanism. F. A. Decker. No. 1,228,752; June 5; v. 239; p. 129.
- Musical instrument, Electric. H. S. Martin. No. 1,216,829; Feb. 20; v. 235; p. 913.
- Musical instrument, Electric. H. Scuterud. No. 1,245,517; Nov. 6; v. 244; p. 113.
- Musical instrument, Electric. M. Severy and G. B. Sinclair. No. 1,245,518; Nov. 6; v. 244; p. 114.
- Musical instrument, Electromagnetic. G. Breed. No. 1,233,306; July 17; v. 240; p. 650.
- Musical instrument employing a diaphragm. M. Iucci. No. 1,233,881; July 17; v. 240; p. 839.
- Musical instrument, Foot-actuated. A. C. Pope. No. 1,227,309; May 22; v. 238; p. 1222.
- Musical-instrument indicator. R. A. Gally. No. 1,234,328; July 24; v. 240; p. 1019.
- Musical instrument, Key-seat for a wind. C. G. Conn. No. 1,223,563; Apr. 24; v. 237; p. 998.
- Musical instrument, Mechanical. P. B. Klugh. No. 1,215,548; Feb. 13; v. 235; p. 407.
- Musical instrument, Mechanical. P. B. Klugh. No. 1,228,029; May 29; v. 238; p. 1494.
- Musical instrument, Mechanical. J. B. Kohler. No. 1,210,950; Jan. 2; v. 234; p. 198.
- Musical instrument, Mechanical. J. O. Schwarz and G. Bjorklund. No. 1,217,227; Feb. 27; v. 235; p. 1092.
- Musical instrument or vocal flute. A. V. Chevers. No. 1,228,532; June 5; v. 239; p. 54.
- Musical-instrument pedal. J. Ammon. No. 1,229,567; June 12; v. 239; p. 452.
- Musical instrument, Percussion. J. C. Deagan. No. 1,237,873; Aug. 21; v. 241; p. 822.
- Musical instrument, Pneumatically-operated. J. P. Eustis and A. T. Brown. No. 1,221,162; Apr. 3; v. 237; p. 56.
- Musical instrument, Pneumatically-played. G. K. Hennig. No. 1,223,048; Apr. 17; v. 237; p. 788.
- Musical instrument, Skin-headed. L. Piazza. No. 1,235,239; July 31; v. 240; p. 1337.
- Musical-instrument string. L. C. Schermerhorn. No. 1,244,549; Oct. 30; v. 243; p. 1105.
- Musical instrument, Stringed. H. W. Weymann. No. 1,215,598; Feb. 13; v. 235; p. 427.
- Musical instrument, Stringed. R. L. Yeakey. No. 1,227,358; May 22; v. 238; p. 1238.
- Musical instrument with magazine, Automatic. K. O. Carlson. No. 1,217,271; Feb. 27; v. 235; p. 1108.
- Musical instrument, Wood wind. G. Sternberg. No. 1,211,983; Jan. 9; v. 234; p. 589.
- Musical instrument, Wood wind. G. Sternberg. No. 1,235,394; July 31; v. 240; p. 1383.
- Musical instruments, Accent control for. G. H. Parsons. No. 1,219,145; Mar. 13; v. 236; p. 475.
- Musical instruments, Accenting device for mechanical. J. O'Connor. No. 1,214,943; Feb. 6; v. 235; p. 161.
- Musical instruments and musical-instrument players, Wind-supplying apparatus for. J. C. Hagey. No. 1,247,265; Nov. 20; v. 244; p. 696.
- Musical instruments, Automatic flushing or cleaning device for automatic. G. P. Brand. No. 1,232,200; July 3; v. 240; p. 222.
- Musical instruments, Automatic player for. H. F. Herman. No. 1,243,169; Oct. 16; v. 243; p. 613.
- Musical instruments, Auxiliary-percussive-instrument attachment for self-playing. A. M. Steinert. No. 1,217,359; Feb. 27; v. 235; p. 1138.
- Musical instruments, Calibrating and justifying parts of wind. E. L. Foster. No. 1,210,629; Jan. 2; v. 234; p. 87.
- Musical instruments, Duplex tracker for. F. R. Wurlitzer and F. L. McCormick. No. 1,240,113; Sept. 11; v. 242; p. 469.
- Musical instruments, Electric control apparatus for. F. B. Little. No. 1,239,609; Sept. 11; v. 242; p. 312.
- Musical instruments, Electrical attachment for self-playing. A. M. Steinert. No. 1,217,358; Feb. 27; v. 235; p. 1137.
- Musical instruments, Electromechanical action for. F. B. Little. No. 1,228,223; May 29; v. 238; p. 1556.
- Musical instruments, Expression control for. G. H. Parsons. No. 1,242,466; Oct. 9; v. 243; p. 357.
- Musical instruments, Expression-controlling device for mechanical. J. Brimont. No. 1,240,412; Sept. 18; v. 242; p. 602.
- Musical instruments, Expression-indicator for. L. B. Wing. No. 1,238,864; Sept. 4; v. 242; p. 46.
- Musical instruments from a single source of power, Operating. H. A. Bierck. No. 1,247,363; Nov. 20; v. 244; p. 723.
- Musical instruments, Mouse-guard for. J. H. Gindling. No. 1,242,544; Oct. 9; v. 243; p. 382.
- Musical instruments, Note-sheet for automatic. E. B. Prouditt. No. 1,218,698; Mar. 13; v. 236; p. 318.
- Musical instruments, Pedal-action for self-playing. L. B. Doman. No. 1,215,625; Feb. 13; v. 235; p. 437.
- Musical instruments, Playing device for stringed. H. C. Marx. No. 1,246,635; Nov. 13; v. 244; p. 478.
- Musical instruments, Pneumatic action for. R. G. Benson. No. 1,235,759; Aug. 7; v. 241; p. 74.
- Musical instruments, Pneumatic action for. R. G. Benson. No. 1,235,760; Aug. 7; v. 241; p. 75.
- Musical instruments, Pneumatic action for. M. S. Wright. No. 1,214,865; Feb. 6; v. 235; p. 132.
- Musical instruments, Pneumatic action for pneumatically-operated. A. P. Gustafson. No. 1,225,709; May 8; v. 238; p. 601.
- Musical instruments, Pneumatic action for self-playing. M. S. Wright. No. 1,213,150; Mar. 6; v. 236; p. 91.
- Musical instruments, Pressure-controlling mechanism for automatic. E. Welte. No. 1,225,902; May 15; v. 238; p. 709.
- Musical instruments, Registration mechanism for automatic. W. E. Haskell. No. 1,250,165; Dec. 18; v. 245; p. 572.
- Musical instruments, Tension-regulating apparatus for pneumatic self-playing. L. B. Doman. No. 1,232,664; July 10; v. 240; p. 407.
- Musical instruments, Test-roll for. J. A. Le Cato. No. 1,218,094; Mar. 6; v. 236; p. 72.
- Musical instruments, Tracker mechanism for. W. A. Watson. No. 1,234,239; July 24; v. 240; p. 990.
- Musical instruments, Tracking device for automatic. D. Morano. No. 1,243,620; Oct. 16; v. 243; p. 749.
- Musical instruments, Tracking device for automatic. G. M. Russell. No. 1,245,126; Oct. 30; v. 243; p. 1279.
- Musical instruments, Tracking device for automatic. F. W. Wright. No. 1,245,031; Oct. 30; v. 243; p. 1265.
- Musical instruments, Transmission mechanism for automatic. G. P. Brand. No. 1,232,199; July 3; v. 240; p. 222.
- Musical instruments, Valve mechanism for pneumatically-operated. G. P. Brand. No. 1,247,604; Nov. 20; v. 244; p. 791.
- Musical sounds, Contact-interrupter for the electromagnetic production of. A. H. Maitre and V. H. G. Martin. No. 1,249,157; Dec. 4; v. 245; p. 210.
- Muskrat-trap. M. E. and N. K. Kvitle. No. 1,238,026; Aug. 21; v. 241; p. 871.
- Mustard-beater. G. C. Harter. No. 1,237,778; Aug. 21; v. 241; p. 794.
- Mustard-dispenser. C. Linke. No. 1,214,801; Feb. 6; v. 235; p. 110.
- Muzzle, Calf's. W. C. Block. No. 1,234,612; July 24; v. 240; p. 1111.
- Muzzle for horses. A. Smith and W. Forquer. No. 1,215,884; Feb. 13; v. 235; p. 529.
- Nail: See—
Double-headed nail. Roofing-nail.
Holdfast-nail.
- Nail. J. H. Gray. No. 1,225,708; May 8; v. 238; p. 601.
- Nail-assorting machine. J. F. Standish. No. 1,247,344; Nov. 20; v. 244; p. 718.
- Nail-distributor, Portable. R. B. Holland. No. 1,221,736; Apr. 3; v. 237; p. 254.
- Nail-driving machine. D. P. Martin. No. 1,237,360; Aug. 21; v. 241; p. 659.
- Nail-extractor. E. J. Minnich. No. 1,227,063; May 22; v. 238; p. 1140.
- Nail-holder. W. Taylor. No. 1,247,742; Nov. 27; v. 244; p. 866.

Alphabetical list of inventions—Continued.

- Nail-holding and floor-setting device. O. N. Thune. No. 1,238,599; Aug. 28; v. 241; p. 1091.
- Nail-hook, Ornamental. O. E. Wardner. No. 1,247,912; Nov. 27; v. 244; p. 916.
- Nail-making machine. D. H. McClelland. No. 1,217,194; Feb. 27; v. 235; p. 1082.
- Nail-making machine. D. H. McClelland. No. 1,221,555; Apr. 3; v. 237; p. 195.
- Nail or like extractor. Cleff. C. W. Finney. No. 1,215,012; Feb. 6; v. 235; p. 188.
- Nail polisher, Finger. J. H. Devlin. No. 1,247,089; Nov. 20; v. 244; p. 645.
- Nail-pulling instrument. A. McLeod. No. 1,235,936; Aug. 7; v. 241; p. 150.
- Nail-set. H. C. Duckworth. No. 1,246,070; Nov. 13; v. 244; p. 307.
- Nail straightener. Clenched. F. P. Weigel. No. 1,235,084; July 31; v. 240; p. 1291.
- Nail-strings, Making. F. L. Mackenzie. No. 1,241,868; Oct. 2; v. 243; p. 127.
- Nails, Manufacture of. G. Goddu. No. 1,237,325; Aug. 21; v. 241; p. 648.
- Nails or other similar objects, Machine for packing. O. Gamper. No. 1,249,613; Dec. 11; v. 245; p. 373.
- Nails or pins from wire, Machine for making. J. Wikschtröm. No. 1,246,513; Nov. 13; v. 244; p. 440.
- Nails, spikes, and the like, Extractor for pulling headless. E. Hill. No. 1,221,323; Apr. 3; v. 237; p. 114.
- Nallers, Feeding-table for duplex box. P. J. Johnson. No. 1,236,842; Aug. 14; v. 241; p. 456.
- Nailing-block. E. B. Cosby. No. 1,223,939; Apr. 24; v. 237; p. 1129.
- Nailing-machine. J. B. Flint. No. 1,225,794; May 15; v. 238; p. 673.
- Nailing-machine, Automatic. T. G. Cummings. No. 1,225,317; May 8; v. 238; p. 470.
- Nailing-machines, Head-motion for. E. C. Northrup. No. 1,213,895; Jan. 30; v. 234; p. 1346.
- Nailing parquet floors, Tool for. K. O. Kristiansen. No. 1,241,996; Oct. 2; v. 243; p. 168.
- Name-plates and like devices to other structures, Means for securing. F. H. Auld. No. 1,245,171; Nov. 6; v. 244; p. 9.
- Name-plates and like devices to other structures, Means for securing. D. L. Auld. No. 1,245,172; Nov. 6; v. 244; p. 9.
- Name-plates, Means for securing. F. H. Auld. No. 1,217,263; Feb. 27; v. 235; p. 1105.
- Napkin holder and folder. L. L. Layne. No. 1,233,484; July 17; v. 240; p. 711.
- Napkin-holder stand. J. Mitchell. No. 1,238,552; Aug. 28; v. 241; p. 1077.
- Napping-machine. D. Gessner. No. 1,240,194; Sept. 18; v. 242; p. 533.
- Napping-machine, Planetary. D. Gessner. No. 1,230,828; June 19; v. 239; p. 905.
- Nasal douche. H. B. Nichols. No. 1,248,891; Dec. 4; v. 245; p. 136.
- Nasal douches, injections, and other like purposes, Apparatus for. W. G. Brokaw. No. 1,215,475; Feb. 13; v. 235; p. 379.
- Nautical instrument. G. Koffsky. No. 1,245,355; Nov. 6; v. 244; p. 63.
- Naval construction. L. S. Munson. No. 1,249,173; Dec. 4; v. 245; p. 215.
- Navigating by the north star, Device for. C. D. Woodward. No. 1,240,525; Sept. 18; v. 242; p. 637.
- Neck-pad. J. I. Howell. No. 1,249,963; Dec. 11; v. 245; p. 475.
- Necklaces, Coupling for. B. B. Christ. No. 1,238,495; Aug. 28; v. 241; p. 1057.
- Necktie. S. Appelman and S. Bernstein. No. 1,243,796; Oct. 23; v. 243; p. 840.
- Necktie. D. D. Bailey. No. 1,226,741; May 22; v. 238; p. 1029.
- Necktie. E. Ekstromer. No. 1,211,118; Jan. 2; v. 234; p. 254.
- Necktie. W. A. Keys. No. 1,219,329; Mar. 13; v. 236; p. 538.
- Necktie. W. A. Keys. No. 1,219,330; Mar. 13; v. 236; p. 538.
- Necktie. J. F. Mansure. No. 1,238,421; Aug. 28; v. 241; p. 1033.
- Necktie. A. Marcus. No. 1,212,237; Jan. 16; v. 234; p. 703.
- Necktie. W. K. Meyer. No. 1,226,105; May 15; v. 238; p. 780.
- Necktie. W. K. Meyer. No. 1,232,826; July 10; v. 240; p. 460.
- Necktie. J. Zimmern. No. 1,243,792; Oct. 23; v. 243; p. 838.
- Necktie-adjuster. W. M. Dyer. No. 1,233,996; July 17; v. 240; p. 876.
- Necktie-adjuster. W. S. Marr and J. E. Nelson. No. 1,230,000; June 12; v. 239; p. 593.
- Necktie attachment. F. M. Keasey. No. 1,219,743; Mar. 20; v. 236; p. 711.
- Necktie-clasp. R. Repstien. No. 1,236,761; Aug. 14; v. 241; p. 431.
- Necktie-clasp. E. P. Tobie. No. 1,239,746; Sept. 11; v. 242; p. 356.
- Necktie-fastener. T. C. Spelling. No. 1,218,224; Mar. 6; v. 236; p. 118.
- Necktie-fastener. F. Troyan. No. 1,237,420; Aug. 21; v. 241; p. 679.
- Necktie-form. G. C. Mason. No. 1,241,413; Sept. 25; v. 242; p. 946.
- Necktie-former. A. L. Simpson. No. 1,227,329; May 22; v. 238; p. 1229.
- Necktie former and fastener. W. F. Olson. No. 1,225,482; May 8; v. 238; p. 526.
- Necktie-holder. W. A. Daniel. No. 1,248,086; Nov. 27; v. 244; p. 963.
- Necktie-holder. J. W. Duff. No. 1,248,291; Nov. 27; v. 244; p. 1022.
- Necktie-holder. C. B. Eaton. No. 1,244,435; Oct. 23; v. 243; p. 1031.
- Necktie-holder. A. Faugno. No. 1,213,086; Jan. 16; v. 1001.
- Necktie-holder. T. M. Guest. No. 1,234,659; July 24; v. 240; p. 1124.
- Necktie-holder. R. Lépine. No. 1,225,257; May 8; v. 238; p. 447.
- Necktie-holder. E. S. Matheson. No. 1,213,524; Jan. 23; v. 234; p. 1188.
- Necktie-holder. E. M. McDague. No. 1,236,958; Aug. 14; v. 241; p. 494.
- Necktie-holder. D. Yamanishi. No. 1,242,629; Oct. 9; v. 243; p. 409.
- Necktie-holder and collar-support. D. J. Ahearn. No. 1,215,092; Feb. 6; v. 235; p. 214.
- Necktie-rack. J. F. Watts. No. 1,230,959; June 26; v. 239; p. 989.
- Necktie-retainer. J. A. Guise. No. 1,230,704; June 19; v. 239; p. 865.
- Necktie-stretcher. N. H. Coss. No. 1,217,712; Feb. 27; v. 235; p. 1263.
- Necktie-stretcher. J. J. Holecek. No. 1,215,277; Feb. 6; v. 235; p. 277.
- Necktie stretcher and hanger, Combined. A. J. Nelson. No. 1,242,841; Oct. 9; v. 243; p. 477.
- Necktie stretcher and supporter. M. A. Loomis. No. 1,226,544; May 15; v. 238; p. 926.
- Necktie-supporter. B. F. Allen. No. 1,223,229; Apr. 17; v. 237; p. 848.
- Necktie-tying device. A. Z. Snyder. No. 1,235,390; July 31; v. 240; p. 1382.
- Neckties and the like, Holder for. F. Fischlowitz. No. 1,218,070; Mar. 6; v. 236; p. 63.
- Neckwear. L. V. Aronson. No. 1,234,523; July 24; v. 240; p. 1083.
- Neckwear and making the same. S. M. Frank. No. 1,215,319; Feb. 6; v. 235; p. 292.
- Needle. J. A. Lind. No. 1,225,045; May 8; v. 238; p. 377.
- Needle. C. E. Yount. No. 1,235,751; Aug. 7; v. 241; p. 72.
- Needle and the like polishing machine. L. A. Wharrad. No. 1,210,745; Jan. 2; v. 234; p. 127.
- Needle attachment. P. H. Adams. No. 1,215,328; Feb. 13; v. 235; p. 329.
- Needle, Cotton-picking. B. Johnson. No. 1,230,168; June 19; v. 239; p. 687.
- Needle-cutter. S. O. Wade. No. 1,212,292; Jan. 16; v. 234; p. 725.
- Needle-making machine. J. L. Needham. No. 1,248,152; Nov. 27; v. 244; p. 982.
- Needle mechanism, Vibratory. W. R. Rogers. No. 1,250,511; Dec. 18; v. 245; p. 676.
- Needle or trocar, Paracentesis. H. P. Hill. No. 1,248,492; Dec. 4; v. 245; p. 18.
- Needle, Spring-beard. A. M. Pigeon. No. 1,230,323; June 19; v. 239; p. 738.
- Needle, Surgical. C. Dederer. No. 1,248,825; Dec. 4; v. 245; p. 119.
- Needle-threader. W. D. Burns. No. 1,230,378; June 19; v. 239; p. 756.
- Needle-threader. M. L. Hawks. No. 1,239,270; Sept. 4; v. 242; p. 177.
- Needle-threader. M. Nielsen. No. 1,241,427; Sept. 25; v. 242; p. 950.
- Needle-threader. M. Powell. No. 1,217,061; Feb. 20; v. 235; p. 991.
- Needles, Cap or point for netting. C. G. McKinney. No. 1,238,314; Aug. 28; v. 241; p. 999.
- Needles, Machine for making crochet. A. F. Vorce. No. 1,239,851; Sept. 11; v. 242; p. 390.
- Negative and making same, Mechanically-produced. G. W. Scribner. No. 1,224,328; May 1; v. 238; p. 77.
- Negative-holder. A. C. Hillius. No. 1,236,092; Aug. 7; v. 241; p. 182.
- Negative-retouching apparatus. J. Horák. No. 1,231,740; July 3; v. 240; p. 70.
- Neon-tube. G. Claude. No. 1,231,494; June 26; v. 239; p. 1167.
- Nephelin syenite, Treating. H. T. Kalmus. No. 1,234,905; July 31; v. 240; p. 1235.
- Nest. W. H. Shatto. No. 1,212,268; Jan. 16; v. 234; p. 716.
- Nest, Automatic hen's. J. E. Drake. No. 1,217,721; Feb. 27; v. 235; p. 1266.
- Nest, Automatic trap. G. A. Heatherbell. No. 1,221,175; Apr. 3; v. 237; p. 61.
- Nest, Box. J. W. Cooper. No. 1,243,591; Oct. 16; v. 243; p. 739.

- Nest, Collapsible trap-. H. F. Reed. No. 1,240,487; Sept. 18; v. 242; p. 626.
- Nest, Disinfecting-. O. B. Andrews. No. 1,216,766; Feb. 20; v. 235; p. 892.
- Nest for hens, Trap-. J. A. Jones. No. 1,221,540; Apr. 3; v. 237; p. 189.
- Nest, Hen's. M. M. Bebb. No. 1,229,866; June 12; v. 239; p. 552.
- Nest, Hen's. J. C. Shigley. No. 1,210,550; Jan. 2; v. 234; p. 60.
- Nest, Hen's. G. W. Stith. No. 1,229,164; June 5; v. 239; p. 265.
- Nest, Hen's. P. Sorensen. No. 1,245,053; Oct. 30; v. 243; p. 1256.
- Nest-marking device, Hen's-. C. V. Williams. No. 1,240,277; Sept. 18; v. 242; p. 560.
- Nest, Poultry-. J. E. Miller. No. 1,222,650; Apr. 17; v. 237; p. 651.
- Nest, Poultry-. C. W. Trippensee. No. 1,213,712; Jan. 23; v. 234; p. 1252.
- Nest-protector and trap-nest, Combination. D. F. Roach. No. 1,214,827; Feb. 6; v. 235; p. 119.
- Nest, Trap-. L. H. Bell. No. 1,251,327; Dec. 25; v. 245; p. 967.
- Nest, Trap-. F. W. Conger. No. 1,216,213; Feb. 13; v. 235; p. 647.
- Nest, Trap-. G. F. Hatch. No. 1,240,972; Sept. 25; v. 242; p. 808.
- Nest, Trap-. R. Paulson. No. 1,224,318; May 1; v. 238; p. 73.
- Nest, Trap-. N. Weyer. No. 1,234,841; July 31; v. 240; p. 1213.
- Nest-trap. W. Shoemaker. No. 1,251,431; Dec. 25; v. 245; p. 997.
- Net, Fly-. R. K. Bean. No. 1,218,829; Mar. 13; v. 236; p. 367.
- Net, Folding fish-landing. C. S. Van Horn. No. 1,240,787; Sept. 18; v. 242; p. 717.
- Net-hauling machine, Purse-. C. A. Williams. No. 1,216,530; Feb. 20; v. 235; p. 811.
- Nets, Support for mosquito-. F. H. Wheeler. No. 1,210,573; Jan. 2; v. 234; p. 68.
- Network for neutralizing the characteristic reactance of a loaded line. R. S. Hoyt. No. 1,243,066; Oct. 16; v. 243; p. 584.
- Nethergarment. A. Cieslik. No. 1,225,578; May 8; v. 238; p. 558.
- Nethergarment. C. F. Kotek. No. 1,236,720; Aug. 14; v. 241; p. 418.
- Nethergarment. N. C. Moore. No. 1,212,092; Jan. 9; v. 234; p. 622.
- Newspaper-holder. J. Richter. No. 1,227,490; May 22; v. 238; p. 1280.
- Newspaper-stuffing machine. S. Halvorsen. No. 1,232,423; July 3; v. 240; p. 293.
- Newspaper supplementing or inserting machine. W. J. Kirkpatrick and G. W. Farley. No. 1,223,398; Apr. 24; v. 237; p. 938.
- Newspapers and the like, Apparatus for handling. C. S. Jennings. No. 1,245,728; Nov. 6; v. 244; p. 177.
- Newspapers and the like, Conveyor for. J. T. Cowley. No. 1,248,623; Dec. 4; v. 245; p. 58.
- Newspapers, Machine for associating and folding the several sections of. F. M. Kennedy. No. 1,245,465; Nov. 6; v. 244; p. 97.
- Newspapers, magazines, &c., in position, Device for holding. L. W. Rice. No. 1,214,076; Jan. 30; v. 234; p. 1408.
- Nickel catalyst, Making a. J. J. Burchenal. No. 1,226,945; May 22; v. 238; p. 1099.
- Nickel from hydrogenized fat or oil, Removing. M. C. Whitaker. No. 1,242,624; Oct. 9; v. 243; p. 408.
- Nickel ores, Treatment of. F. A. Eustis. No. 1,212,334; Jan. 16; v. 234; p. 739.
- Night-soil and the like, Appliance for the total destruction of. J. Turner. No. 1,236,503; Aug. 14; v. 241; p. 345.
- Night-soil pan and destroyable lining therefor. G. E. Kinch. No. 1,230,413; June 19; v. 239; p. 766.
- Nightgown. L. F. Zies. No. 1,233,156; July 10; v. 240; p. 567.
- Nipper-motion control. A. F. Knight. No. 1,235,981; Aug. 7; v. 241; p. 148.
- Nippers, Cushioning device for combing-. C. L. Lytton. No. 1,222,880; Apr. 17; v. 237; p. 731.
- Nipple. F. S. Sakanai. No. 1,212,819; Jan. 16; v. 234; p. 910.
- Nipple for nursing-bottles. M. C. Buchanan. No. 1,243,806; Oct. 23; v. 243; p. 843.
- Nipple-holding device. R. J. Mitchell. No. 1,231,775; July 3; v. 240; p. 80.
- Nipple-threading machine. H. L. Fisher. No. 1,251,209; Dec. 25; v. 245; p. 932.
- Nipple-wrench. O. Zarth. No. 1,224,875; May 1; v. 238; p. 268.
- Vibrating toluols containing paraffin. B. J. Flurscheim. No. 1,225,321; May 8; v. 238; p. 471.
- Nitric acid from ammonia, Making. C. Ellis. No. 1,233,564; July 17; v. 240; p. 738.
- Nitric acid, Manufacture of concentrated. K. Birkeland. No. 1,236,662; Aug. 14; v. 241; p. 397.
- Nitro aromatic compound and making same. J. R. Mar-dick. No. 1,225,347; May 8; v. 238; p. 481.
- Nitro compounds, Making. C. Ellis and A. A. Wells. No. 1,220,078; Mar. 20; v. 236; p. 829.
- Nitrocellulose, Utilizing the washwater of the manufacture of. C. E. B. Seyferth. No. 1,248,933; Dec. 4; v. 245; p. 148.
- Nitrogen compounds, Apparatus for the production of. C. Krauss and P. Stähelin. No. 1,211,181; Jan. 2; v. 234; p. 276.
- Nitrogen compounds, Forming. L. L. Summers. No. 1,242,264; Oct. 9; v. 243; p. 293.
- Nitrogen compounds, Preparing. C. Krauss and P. Stähelin. No. 1,212,504; Jan. 16; v. 234; p. 799.
- Nitrogen, Fixation of. R. H. McKee. No. 1,236,853; Aug. 14; v. 241; p. 460.
- Nitrostarch, Manufacture of. S. S. Sadtler. No. 1,211,761; Jan. 9; v. 234; p. 507.
- No-glare device. M. Luckiesh. No. 1,227,462; May 22; v. 238; p. 1271.
- Non-skid attachment. D. P. Duffie. No. 1,224,367; May 1; v. 238; p. 91.
- Non-skid brake. W. Searcy. No. 1,249,525; Dec. 11; v. 245; p. 347.
- Non-skid device. P. Balko and A. Kočovský. No. 1,236,251; Aug. 7; v. 241; p. 232.
- Non-skid device. H. Carroll. No. 1,236,671; Aug. 14; v. 241; p. 401.
- Non-skid device. E. J. Crawford. No. 1,249,722; Dec. 11; v. 245; p. 405.
- Non-skid device. J. A. Murray and C. N. Wilt. No. 1,215,302; Feb. 6; v. 235; p. 284.
- Non-skid device for motor-vehicles. G. Gunther and W. P. Miller. No. 1,217,442; Feb. 27; v. 235; p. 1168.
- Non-skidding and tire-holding device for pneumatic tires. E. Veltung. No. 1,239,749; Sept. 11; v. 242; p. 357.
- Non-skidding device. K. Kempny. No. 1,247,281; Nov. 20; v. 244; p. 700.
- Non-skidding device. J. E. Kester. No. 1,249,969; Dec. 11; v. 245; p. 477.
- Noodles, Folding. S. Mueller. No. 1,217,891; Feb. 27; v. 235; p. 1323.
- Nose-bag for animals. J. F. Cox. No. 1,246,720; Nov. 13; v. 244; p. 501.
- Nose-protector. A. H. Wadhams. No. 1,221,778; Apr. 3; v. 237; p. 269.
- Note-book holder. J. W. Vannatta. No. 1,249,256; Dec. 4; v. 245; p. 239.
- Note-register. C. Hoffman. No. 1,224,170; May 1; v. 238; p. 19.
- Note-sheet mechanism, Plural-. G. K. Hennig. No. 1,216,448; Feb. 20; v. 235; p. 782.
- Note-sheet-tracking device, Pneumatic. F. C. White. No. 1,229,692; June 12; v. 239; p. 494.
- Note-sheet winding and rewinding mechanism. P. I. Burks. No. 1,228,527; June 5; v. 239; p. 53.
- Novelty. J. D. Raudebaugh. No. 1,213,775; Jan. 23; v. 234; p. 1272.
- Novelty-box. R. V. Pepperberg. No. 1,245,378; Nov. 6; v. 244; p. 70.
- Novelty device. J. R. Spencer and J. L. Ross. No. 1,211,976; Jan. 9; v. 234; p. 586.
- Nozzle. F. B. Cmins. No. 1,245,569; Nov. 6; v. 244; p. 129.
- Nozzle. R. E. Costner. No. 1,220,730. Mar. 27; v. 236; p. 1094.
- Nozzle. A. W. Lissauer. No. 1,216,146; Feb. 13; v. 235; p. 625.
- Nozzle. A. W. Lissauer. No. 1,223,081; Apr. 17; v. 237; p. 799.
- Nozzle. W. Schrank. No. 1,251,118; Dec. 25; v. 245; p. 905.
- Nozzle. W. D. Simpson. No. 1,237,111; Aug. 14; v. 241; p. 543.
- Nozzle. C. H. Stephan. No. 1,233,417; July 17; v. 240; p. 688.
- Nozzle and controlling means therefor, Discharge-. B. F. Gable. No. 1,210,630; Jan. 2; v. 234; p. 87.
- Nozzle, Automatic irrigation-. F. W. Stanley. No. 1,226,137; May 15; v. 238; p. 790.
- Nozzle closure for cans, Pouring-. J. E. Schenck. No. 1,215,997; Feb. 13; v. 235; p. 569.
- Nozzle-controller. P. Bouéry. No. 1,230,458; June 19; v. 239; p. 783.
- Nozzle, Cotton-picker. J. H. C. Bolg. No. 1,239,343; Sept. 4; v. 242; p. 199.
- Nozzle, Discharge-. G. Caveney. No. 1,235,109; July 31; v. 240; p. 1298.
- Nozzle, Douche-. C. E. Gervais. No. 1,249,375; Dec. 11; v. 245; p. 304.
- Nozzle, Fluid-pressure. J. M. Hopwood. No. 1,238,672; Aug. 28; v. 241; p. 1113.
- Nozzle for applying adhesive coating material. A. G. Bagnall and J. A. Taylor. No. 1,239,075; Sept. 4; v. 242; p. 113.
- Nozzle for baths. J. F. Booraem. No. 1,240,411; Sept. 18; v. 242; p. 602.
- Nozzle for semi-Diesel engines, Fuel-. W. B. Slaughter, Jr., and R. A. Gaertner. No. 1,250,684; Dec. 18; v. 245; p. 727.
- Nozzle for sheet-metal containers, Reinforced. G. Bloch. No. 1,226,605; May 15; v. 238; p. 944.
- Nozzle, Fountain-. A. W. Browne. No. 1,244,951; Oct. 30; v. 243; p. 1227.

Alphabetical list of inventions—Continued.

- Nozzle, Hose-. H. Gibbs. No. 1,215,796; Feb. 13; v. 235; p. 497.
- Nozzle, Hose-. C. F. Hughes. No. 1,234,338; July 24; v. 240; p. 1022.
- Nozzle, Non-leakable discharge-. R. H. Davenport. No. 1,244,710; Oct. 30; v. 243; p. 1154.
- Nozzle point, Syringe-. G. W. Jessup. No. 1,243,840; Oct. 23; v. 243; p. 854.
- Nozzle, Road-oil-spreading. D. W. Johnston, G. G. and S. S. Girling. No. 1,243,417; Oct. 16; v. 243; p. 687.
- Nozzle, Shut-off. A. E. Hansen. No. 1,236,297; Aug. 7; v. 241; p. 246.
- Nozzle, Split-spray. G. P. Symonds. No. 1,234,959; July 31; v. 240; p. 1253.
- Nozzle, Spray-. J. A. Johnston. No. 1,230,487; June 19; v. 239; p. 792.
- Nozzle, Spray-. R. P. Williams. No. 1,213,563; Jan. 23; v. 234; p. 1203.
- Nozzle, Sprayer-. R. E. Cecil. No. 1,229,030; June 5; v. 239; p. 220.
- Nozzle, Spraying-. H. H. Hardie. No. 1,246,092; Nov. 13; v. 244; p. 314.
- Nozzle spraying attachment. J. B. Gaines. No. 1,228,658; June 5; v. 239; p. 96.
- Nozzle, Street-flushing. C. D. Farmer, G. N., Sr., and G. N. Frazer, Jr., and W. B. Farmer. No. 1,239,373; Sept. 4; v. 242; p. 208.
- Nozzle, Turbine-. J. F. Metten. No. 1,213,930; Jan. 30; v. 234; p. 1357.
- Nozzle, Vacuum-cleaner. B. N. Bishop. No. 1,228,176; May 29; v. 238; p. 1542.
- Nozzle, Vacuum-cleaner. A. J. Fisher. No. 1,238,903; Sept. 4; v. 242; p. 59.
- Number-plate holder. O. A. Ware. No. 1,248,043; Nov. 27; v. 244; p. 950.
- Number-plate, Illuminated. H. Walker. No. 1,213,784; Jan. 23; v. 234; p. 1276.
- Numbering-head. A. H. Smith. No. 1,213,286; Jan. 23; v. 234; p. 1104.
- Numbering-head. A. H. Smith. No. 1,227,969; May 29; v. 238; p. 1475.
- Numbering-machine. A. H. Smith. No. 1,240,893; Sept. 25; v. 242; p. 784.
- Numbering-machines, Automatic cleaning device for. J. H. Reinhardt. No. 1,242,373; Oct. 9; v. 243; p. 327.
- Numbering mechanism. A. Krauth. No. 1,222,306; Apr. 10; v. 237; p. 487.
- Numerating and recording machine. H. P. Wellman. No. 1,214,399; Jan. 30; v. 234; p. 1519.
- Nut. E. I. Dodds. No. 1,229,911; June 12; v. 239; p. 566.
- Nut and bolt lock. H. N. Gessford. No. 1,242,342; Oct. 9; v. 243; p. 318.
- Nut and bolt lock. C. L. Hannon and C. Cross. No. 1,225,626; May 8; v. 238; p. 574.
- Nut and bolt lock. A. Hanschild. No. 1,230,891; June 26; v. 239; p. 965.
- Nut and bolt lock. C. P. Marye. No. 1,210,507; Jan. 2; v. 234; p. 45.
- Nut and bolt lock. G. T. Miller. No. 1,226,354; May 15; v. 238; p. 866.
- Nut and pipe wrench, Combined. W. S. Upson. No. 1,212,287; Jan. 16; v. 234; p. 724.
- Nut and pipe wrench, Combined. W. S. Upson. No. 1,214,973; Feb. 6; v. 235; p. 172.
- Nut and pipe wrench, Ratchet. D. W. Reip. No. 1,229,322; June 12; v. 239; p. 369.
- Nut and screw-head, Lock-. T. J. G. Van Everdingen. No. 1,234,830; July 31; v. 240; p. 1210.
- Nut, Automatic lock-. R. W. Burnett. No. 1,228,881; June 5; v. 239; p. 173.
- Nut-blanching machine. A. L. Delkin, Sr. No. 1,233,653; July 17; v. 240; p. 767.
- Nut-blank-making machine. L. H. Brightman. No. 1,226,302; May 15; v. 238; p. 850.
- Nut-blank-making machine. H. D. Remsen. No. 1,217,501; Feb. 27; v. 235; p. 1190.
- Nut-blanks, Manufacture of. E. Hollings. No. 1,231,891; July 3; v. 240; p. 120.
- Nut-breaking machine. E. Ullrich and E. A. Alcayde. No. 1,232,409; July 3; v. 240; p. 289.
- Nut-castellating machine. E. C. Boerner. No. 1,217,396; Feb. 27; v. 235; p. 1151.
- Nut-castellating machine. H. M. Brightman. No. 1,212,606; Jan. 16; v. 234; p. 835.
- Nut-cracking device. F. J. Burkhardt. No. 1,210,414; Jan. 2; v. 234; p. 12.
- Nut-cracking machine. H. D. Crawford. No. 1,230,679; June 19; v. 239; p. 856.
- Nut-cracking machine. F. Leu. No. 1,213,510; Jan. 23; v. 234; p. 1183.
- Nut-cracking machine. D. B. Williams. No. 1,238,238; Aug. 28; v. 241; p. 974.
- Nut-cracking mechanism. F. K. Russell. No. 1,235,246; July 31; v. 240; p. 1339.
- Nut, Lock-. W. A. Buckner. No. 1,213,071; Jan. 16; v. 234; p. 996.
- Nut, Lock-. J. H. Cary. No. 1,218,168; Mar. 6; v. 236; p. 97.
- Nut, Lock-. C. E. Constable and J. L. Painter. No. 1,247,794; Nov. 27; v. 244; p. 883.
- Nut, Lock-. G. H. Cook. No. 1,249,336; Dec. 11; v. 245; p. 294.
- Nut, Lock-. G. E. Crowley. No. 1,216,954; Feb. 20; v. 235; p. 955.
- Nut, Lock-. S. Douthitt. No. 1,220,207; Mar. 27; v. 236; p. 912.
- Nut, Lock-. G. H. Harris. No. 1,236,838; Aug. 14; v. 241; p. 455.
- Nut, Lock-. F. A. Lynch. No. 1,245,362; Nov. 6; v. 244; p. 66.
- Nut, Lock-. C. N. Mitchell. No. 1,249,987; Dec. 11; v. 245; p. 482.
- Nut, Lock-. W. C. Price. No. 1,228,130; May 29; v. 238; p. 1527.
- Nut, Lock-. A. C. Recker. No. 1,210,532; Jan. 2; v. 234; p. 54.
- Nut, Lock-. O. H. Sleeper. No. 1,217,520; Feb. 27; v. 235; p. 1197.
- Nut, Lock-. H. A. Staub. No. 1,250,044; Dec. 11; v. 245; p. 497.
- Nut, Lock-. J. A. Stubblefield. No. 1,246,679; Nov. 13; v. 244; p. 490.
- Nut, Lock-. C. C. Stubblefield and F. C. Hawkins. No. 1,226,143; May 15; v. 238; p. 792.
- Nut, Lock-. B. F. Stump. No. 1,229,808; June 12; v. 239; p. 532.
- Nut, Lock-. C. C. Van der Valk and F. M. Van Panthaleon. No. 1,223,911; Apr. 24; v. 237; p. 1120.
- Nut, Lock-. D. O. Ward. No. 1,210,737; Jan. 2; v. 234; p. 124.
- Nut, Lock-. W. T. Whaley. No. 1,235,864; Aug. 7; v. 241; p. 110.
- Nut-lock. A. Asplet. No. 1,226,440; May 15; v. 238; p. 893.
- Nut-lock. H. Barnett. No. 1,217,686; Feb. 27; v. 235; p. 1255.
- Nut-lock. C. H. Barrett. No. 1,246,378; Nov. 13; v. 244; p. 401.
- Nut-lock. A. F. Barron. No. 1,230,649; June 19; v. 239; p. 847.
- Nut-lock. C. A. Blackwelder. No. 1,211,391; Jan. 9; v. 234; p. 382.
- Nut-lock. C. H. Bolt. No. 1,231,840; July 3; v. 240; p. 103.
- Nut-lock. E. L. Bordwell. No. 1,229,872; June 12; v. 239; p. 554.
- Nut-lock. A. L. Brand. No. 1,210,758; Jan. 2; v. 234; p. 131.
- Nut-lock. F. W. Brice. No. 1,222,843; Apr. 17; v. 237; p. 717.
- Nut-lock. W. S. Bunch. No. 1,250,278; Dec. 18; v. 245; p. 607.
- Nut-lock. O. J. Byhre. No. 1,221,413; Apr. 3; v. 237; p. 145.
- Nut-lock. S. C. Collins. No. 1,231,851; July 3; v. 240; p. 106.
- Nut-lock. C. L. Craig. No. 1,216,952; Feb. 20; v. 235; p. 954.
- Nut-lock. J. F. Cunningham. No. 1,226,863; May 22; v. 238; p. 1071.
- Nut-lock. J. De Paul and R. Di Falco. No. 1,229,241; June 12; v. 239; p. 341.
- Nut-lock. F. De Vaux. No. 1,232,239; July 3; v. 240; p. 235.
- Nut-lock. M. Dervoz. No. 1,211,553; Jan. 9; v. 234; p. 437.
- Nut-lock. M. Dervoz. No. 1,225,785; May 15; v. 238; p. 670.
- Nut-lock. L. Di Francesco. No. 1,247,255; Nov. 20; v. 244; p. 693.
- Nut-lock. G. Dobbins. No. 1,212,918; Jan. 16; v. 234; p. 944.
- Nut-lock. G. Dobbins. No. 1,247,236; Nov. 20; v. 244; p. 688.
- Nut-lock. G. A. Donahue. No. 1,225,419; May 8; v. 238; p. 505.
- Nut-lock. J. W. Droll. No. 1,244,039; Oct. 23; v. 243; p. 913.
- Nut-lock. E. E. Ellmann. No. 1,210,919; Jan. 2; v. 234; p. 188.
- Nut-lock. D. B. Faber. No. 1,223,044; Apr. 17; v. 237; p. 786.
- Nut-lock. R. B. Finch. No. 1,242,786; Oct. 9; v. 243; p. 459.
- Nut-lock. O. B. Foster. No. 1,218,072; Mar. 6; v. 236; p. 64.
- Nut-lock. W. W. Frazier. No. 1,216,431; Feb. 20; v. 235; p. 777.
- Nut-lock. J. P. Gardner. No. 1,236,077; Aug. 7; v. 241; p. 177.
- Nut-lock. J. G. Garland and J. A. Clinard. No. 1,232,024; July 3; v. 240; p. 165.
- Nut-lock. C. B. Gracey. No. 1,233,342; July 17; v. 240; p. 661.
- Nut-lock. F. P. Graves. No. 1,213,097; Jan. 16; v. 234; p. 1006.
- Nut-lock. J. A. Hall. No. 1,238,012; Aug. 21; v. 241; p. 867.
- Nut-lock. D. J. Hammers. No. 1,247,527; Nov. 20; v. 244; p. 770.
- Nut-lock. T. Hand. No. 1,245,907; Nov. 6; v. 244; p. 232.
- Nut-lock. J. A. Harris and A. W. Howard. No. 1,240,568; Sept. 18; v. 242; p. 649.
- Nut-lock. Z. Hawkins. No. 1,214,783; Feb. 6; v. 235; p. 104.
- Nut-lock. E. R. Hibbard. No. 1,228,671; June 5; v. 239; p. 100.

- Nut-lock. W. A. Hubener. No. 1,240,046; Sept. 11; v. 242; p. 448.
- Nut-lock. C. E. Inglis. No. 1,220,129; Mar. 20; v. 236; p. 850.
- Nut-lock. L. A. James. No. 1,218,184; Mar. 6; v. 236; p. 103.
- Nut-lock. J. T. Kennedy. No. 1,212,361; Jan. 16; v. 234; p. 748.
- Nut-lock. J. S. Kierstead. No. 1,235,205; July 31; v. 240; p. 1327.
- Nut-lock. E. F. Kuhns. No. 1,212,074; Jan. 9; v. 234; p. 616.
- Nut-lock. J. A. Kusý. No. 1,241,401; Sept. 25; v. 242; p. 943.
- Nut-lock. P. M. Larony. No. 1,242,818; Oct. 9; v. 243; p. 470.
- Nut-lock. M. Laveque. No. 1,223,405; Apr. 24; v. 237; p. 941.
- Nut-lock. A. I. Lusk and L. Zeiger. No. 1,228,331; May 29; v. 238; p. 1592.
- Nut-lock. J. J. MacKay. No. 1,239,414; Sept. 4; v. 242; p. 221.
- Nut-lock. J. A. MacLean. No. 1,247,854; Nov. 27; v. 244; p. 900.
- Nut-lock. J. H. Macey. No. 1,246,631; Nov. 13; v. 244; p. 477.
- Nut-lock. C. C. Madison. No. 1,230,745; June 19; v. 239; p. 878.
- Nut-lock. L. A. Manny. No. 1,228,940; June 5; v. 239; p. 191.
- Nut-lock. W. R. McCollom. No. 1,238,796; Sept. 4; v. 242; p. 24.
- Nut-lock. J. McConahy. No. 1,224,556; May 1; v. 238; p. 158.
- Nut-lock. G. S. McGonegal. No. 1,212,783; Jan. 16; v. 234; p. 898.
- Nut-lock. C. J. McGurn and C. L. Tanner. No. 1,212,143; Jan. 9; v. 234; p. 641.
- Nut-lock. K. McLeod. No. 1,216,586; Feb. 20; v. 235; p. 831.
- Nut-lock. S. Mike and S. Soltesz. No. 1,210,669; Jan. 2; v. 234; p. 102.
- Nut-lock. P. E. Miller, B. H. Sickafoose, and E. J. Smith. No. 1,235,831; Aug. 7; v. 241; p. 99.
- Nut-lock. L. W. Mitchell. No. 1,216,833; Feb. 20; v. 235; p. 915.
- Nut-lock. E. W. Moon. No. 1,249,802; Dec. 11; v. 245; p. 429.
- Nut-lock. F. Moser. No. 1,235,717; Aug. 7; v. 241; p. 59.
- Nut-lock. D. E. Newcomb. No. 1,238,933; Sept. 4; v. 242; p. 68.
- Nut-lock. J. Nolan. No. 1,215,971; Feb. 13; v. 235; p. 560.
- Nut-lock. T. Nussbaum. No. 1,245,957; Nov. 6; v. 244; p. 245.
- Nut-lock. O. B. Oller. No. 1,240,245; Sept. 18; v. 242; p. 550.
- Nut-lock. J. J. Orbick. No. 1,218,454; Mar. 6; v. 236; p. 196.
- Nut-lock. A. Petersen. No. 1,234,081; July 17; v. 240; p. 902.
- Nut-lock. W. G. Pingel. No. 1,239,958; Sept. 11; v. 242; p. 424.
- Nut-lock. S. Portesi and J. Taini. No. 1,231,064; June 26; v. 239; p. 1025.
- Nut-lock. E. R. Post. No. 1,235,594; Aug. 7; v. 241; p. 21.
- Nut-lock. J. D. Purcell. No. 1,245,966; Nov. 6; v. 244; p. 247.
- Nut-lock. E. W. Quick. No. 1,227,310; May 22; v. 238; p. 1223.
- Nut-lock. C. D. Roberts. No. 1,240,781; Sept. 18; v. 242; p. 716.
- Nut-lock. J. Rohrheimer. No. 1,219,780; Mar. 20; v. 236; p. 724.
- Nut-lock. W. T. Ross. No. 1,210,844; Jan. 2; v. 234; p. 159.
- Nut-lock. L. M. Sartain. No. 1,217,835; Feb. 27; v. 235; p. 1305.
- Nut-lock. W. E. Sharp. No. 1,216,858; Feb. 20; v. 235; p. 923.
- Nut-lock. W. E. Sharp. No. 1,228,704; June 5; v. 239; p. 112.
- Nut-lock. S. F. Sosh. No. 1,237,400; Aug. 21; v. 241; p. 673.
- Nut-lock. W. R. Taylor. No. 1,228,262; May 29; v. 238; p. 1569.
- Nut-lock. K. V. Thigpen. No. 1,246,353; Nov. 13; v. 244; p. 392.
- Nut-lock. D. T. Wallace. No. 1,210,736; Jan. 2; v. 234; p. 124.
- Nut-lock. T. Wang. No. 1,216,190; Feb. 13; v. 235; p. 639.
- Nut-lock. A. H. Wegener. (Reissue.) No. 14,291; Apr. 24; v. 237; p. 1196.
- Nut-lock. O. E. W. Welander. No. 1,228,624; June 5; v. 239; p. 85.
- Nut-lock. A. J. Westman. No. 1,226,834; May 22; v. 238; p. 1061.
- Nut-lock. J. F. Wilhelm. No. 1,241,181; Sept. 25; v. 242; p. 873.
- Nut-lock. B. F. Wilkinson. No. 1,246,689; Nov. 13; v. 244; p. 493.
- Nut-lock. F. W. Wood. No. 1,215,460; Feb. 13; v. 235; p. 374.
- Nut-lock and rail-brace, Combined. A. G. Marks. No. 1,228,462; June 5; v. 239; p. 30.
- Nut lock, Axle. J. H. Banka. No. 1,229,701; June 12; v. 239; p. 497.
- Nut-lock, spring, and washer, Integral. J. Kersten. No. 1,221,456; Apr. 3; v. 237; p. 160.
- Nut, Locking. G. W. Hazel. No. 1,242,689; Oct. 9; v. 243; p. 429.
- Nut-locking washer. B. F. Hildebrand. No. 1,227,265; May 22; v. 238; p. 1209.
- Nut-machine. D. Julian. No. 1,242,199; Oct. 9; v. 243; p. 273.
- Nut-machine-feed device. L. H. Brightman. No. 1,246,863; Nov. 20; v. 244; p. 580.
- Nut-making machine. C. R. Roof. No. 1,212,689; Jan. 16; v. 234; p. 867.
- Nut-making-machine feeding mechanism. H. M. Brightman. No. 1,212,605; Jan. 16; v. 234; p. 835.
- Nut-opening machine. J. C. H. Van Duijl. No. 1,243,572; Oct. 16; v. 243; p. 734.
- Nut or bolt holding device. R. Davis. No. 1,213,756; Jan. 23; v. 234; p. 1266.
- Nut or bolt holding device. R. Davis. No. 1,251,347; Dec. 25; v. 245; p. 974.
- Nut, Pipe-coupling. B. Kortas. No. 1,244,100; Oct. 23; v. 243; p. 931.
- Nut scouring and polishing machine. C. and G. Trunk. No. 1,231,100; June 26; v. 239; p. 1038.
- Nut, Self-locking. J. E. Van Orden. No. 1,251,141; Dec. 25; v. 245; p. 913.
- Nut-separator. F. S. Bishop and H. L. Cole. No. 1,233,965; July 17; v. 240; p. 867.
- Nut shelling and separating machine. F. S. Spitz. No. 1,211,978; Jan. 9; v. 234; p. 587.
- Nut, Split. H. C. Peltz. No. 1,241,432; Sept. 25; v. 242; p. 951.
- Nut-tapping machine. A. W. Carlson. No. 1,230,113; June 19; v. 239; p. 669.
- Nut-tapping machine. M. E. Noyes. No. 1,218,691; Mar. 13; v. 236; p. 315.
- Nut-tapping machine. G. H. Ridlon. No. 1,217,998; Mar. 6; v. 236; p. 38.
- Nut-tapping machine. W. E. Sharp. No. 1,230,931; June 26; v. 239; p. 978.
- Nuts for bolts, Making. J. W. Murray. No. 1,223,604; Apr. 24; v. 237; p. 1011.
- Nuts, Lock-washer for. B. E. D. Stafford and E. I. Dodds. No. 1,216,620; Feb. 20; v. 235; p. 843.
- Nuts, Machine for making castellated. S. Smith. No. 1,216,742; Feb. 20; v. 235; p. 883.
- Nuts, Making pressed-steel. C. G. Swenson. No. 1,228,260; May 29; v. 238; p. 1568.
- Nuts, Manufacturing. C. P. Marye. No. 1,210,509; Jan. 2; v. 234; p. 45.
- Nutcracker. F. B. Deming. No. 1,246,397; Nov. 13; v. 244; p. 406.
- Nutcracker. W. Gradick, Sr. No. 1,248,313; Nov. 27; v. 244; p. 1027.
- Nutcracker. T. P. Greenhaw. No. 1,242,436; Oct. 9; v. 243; p. 347.
- Nutcracker. C. Marsh. No. 1,219,830; Mar. 20; v. 236; p. 742.
- Nutcracker. A. G. Paxton. No. 1,219,859; Mar. 20; v. 236; p. 752.
- Nutcracker. W. J. Payne. No. 1,225,484; May 8; v. 238; p. 526.
- Nutcracker. H. J. Sauvage. No. 1,222,330; Apr. 10; v. 237; p. 497.
- Nutcracker. G. A. Willis. No. 1,243,121; Oct. 16; v. 243; p. 600.
- Oar-lock, Adjustable. T. S. Morton. No. 1,213,233; Jan. 23; v. 234; p. 1087.
- Oar mechanism, Bow-facing. E. Biddison. No. 1,223,756; Apr. 24; v. 237; p. 1067.
- Oar, Motor-. W. B. Cowles. No. 1,234,293; July 24; v. 240; p. 1007.
- Oar, Rowing-. C. G. Bray. No. 1,244,167; Oct. 23; v. 243; p. 950.
- Obstetrical appliance. E. C. Agerton. No. 1,228,384; June 5; v. 239; p. 3.
- Obstetrical instrument. A. H. Pillsbury. No. 1,213,005; Jan. 16; v. 234; p. 976.
- Obturing material and making same. M. W. Marsden. No. 1,235,220; July 31; v. 240; p. 1331.
- Occlusograph. G. D. Fish. No. 1,246,408; Nov. 13; v. 244; p. 409.
- Ocotillo-plant for extracting gum therefrom, Apparatus for treating the. E. W. Snyder and J. D. Crawford. No. 1,240,894; Sept. 25; v. 242; p. 784.
- Oculist's instrument. J. F. Herbert, Jr. No. 1,235,474; July 31; v. 240; p. 1406.
- Oculist's testing-frame. C. Weigel. No. 1,243,466; Oct. 16; v. 243; p. 702.
- Odors from gases, fumes, &c., Device for eliminating. S. D. Eisendrath. No. 1,211,691; Jan. 9; v. 234; p. 483.
- Ohmmeter. B. P. S. Romain. No. 1,215,867; Feb. 13; v. 235; p. 523.
- Oil and gas burner, Combined. I. J. Ralston. No. 1,234,088; July 17; v. 240; p. 904.

Alphabetical list of inventions—Continued.

- Oil and gas, Recovering. F. Squires. No. 1,238,355; Aug. 28; v. 241; p. 1013.
- Oil and gas recovering apparatus and method. F. Squires. No. 1,240,232; Dec. 4; v. 245; p. 233.
- Oil and making the same. L. A. Coleman. No. 1,223,150; Apr. 17; v. 237; p. 824.
- Oil-atomizer for steam-conduits. A. P. Wight. No. 1,228,862; June 5; v. 239; p. 167.
- Oil-bolt. E. Nolan. No. 1,233,392; July 17; v. 240; p. 680.
- Oil-burner. H. H. Ashlock. No. 1,248,055; Nov. 27; v. 244; p. 954.
- Oil-burner. G. M. Barber. No. 1,230,982; June 26; v. 239; p. 997.
- Oil-burner. H. A. Barschow. No. 1,219,906; Mar. 20; v. 236; p. 769.
- Oil-burner. W. H. Boyd. No. 1,223,141; Apr. 17; v. 237; p. 820.
- Oil-burner. C. E. Brown. No. 1,228,399; June 5; v. 239; p. 8.
- Oil-burner. H. E. Brown. No. 1,223,337; Apr. 17; v. 237; p. 884.
- Oil-burner. I. M. Carr. No. 1,234,129; July 24; v. 240; p. 954.
- Oil-burner. E. Craig. No. 1,214,432; Jan. 30; v. 234; p. 1529.
- Oil-burner. T. C. Curtiss. No. 1,240,683; Sept. 18; v. 242; p. 685.
- Oil-burner. A. P. Doran. No. 1,212,613; Jan. 16; v. 234; p. 837.
- Oil-burner. A. L. Dorman. No. 1,219,381; Mar. 13; v. 236; p. 557.
- Oil-burner. R. A. Evans. No. 1,229,921; June 12; v. 239; p. 569.
- Oil-burner. B. S. Feiner. No. 1,234,890; July 31; v. 240; p. 1229.
- Oil-burner. J. A. Guerin. No. 1,225,242; May 8; v. 238; p. 442.
- Oil-burner. O. G. Halliburton. No. 1,218,647; Mar. 13; v. 236; p. 299.
- Oil-burner. W. G. Hamilton. No. 1,242,183; Oct. 9; v. 243; p. 268.
- Oil-burner. E. A. Herrington. No. 1,238,016; Aug. 21; v. 241; p. 868.
- Oil-burner. J. C. Hinz. No. 1,244,329; Oct. 23; v. 243; p. 1000.
- Oil-burner. D. I. Hoch. No. 1,233,577; July 17; v. 240; p. 742.
- Oil-burner. H. H. Hoops. No. 1,233,359; July 17; v. 240; p. 668.
- Oil-burner. H. W. Hoover. No. 1,218,942; Mar. 13; v. 236; p. 406.
- Oil-burner. C. C. Johnson. No. 1,238,780; Sept. 4; v. 242; p. 18.
- Oil-burner. P. D. Johnson. No. 1,225,717; May 8; v. 238; p. 604.
- Oil-burner. P. D. Johnson. No. 1,225,718; May 8; v. 238; p. 604.
- Oil-burner. B. O. Kelly. No. 1,239,276; Sept. 4; v. 242; p. 179.
- Oil-burner. J. F. Kraus. No. 1,230,725; June 19; v. 239; p. 871.
- Oil-burner. E. G. Lantz. No. 1,241,404; Sept. 25; v. 242; p. 944.
- Oil-burner. B. J. Latshaw. No. 1,217,019; Feb. 20; v. 235; p. 978.
- Oil-burner. C. C. Lillibridge. No. 1,243,194; Oct. 16; v. 243; p. 623.
- Oil-burner. J. E. Limbacher. No. 1,242,567; Oct. 9; v. 243; p. 390.
- Oil-burner. M. Maynard. No. 1,213,675; Jan. 23; v. 234; p. 1240.
- Oil-burner. F. J. McKenna. No. 1,242,359; Oct. 9; v. 243; p. 323.
- Oil-burner. A. Q. Nash. No. 1,225,994; May 15; v. 238; p. 740.
- Oil-burner. C. Petran and C. G. Juneau. No. 1,230,212; June 19; v. 239; p. 702.
- Oil-burner. N. E. Phillips. No. 1,230,772; June 19; v. 239; p. 887.
- Oil-burner. C. A. Pilquist. No. 1,232,392; July 3; v. 240; p. 284.
- Oil-burner. W. J. Reid. No. 1,227,315; May 22; v. 238; p. 1224.
- Oil-burner. G. B. Von Boden and E. F. Ingles. No. 1,211,792; Jan. 9; v. 234; p. 518.
- Oil-burner. T. Wetzell. No. 1,242,291; Oct. 9; v. 243; p. 302.
- Oil-burner-air-supply regulator. G. A. Pingree and R. A. Uhlin. No. 1,210,981; Jan. 2; v. 234; p. 209.
- Oil-burner, Centrifugal. M. A. Fesler. No. 1,236,073; Aug. 7; v. 241; p. 176.
- Oil burner, Coal-. F. C. Du Bois. No. 1,247,513; Nov. 20; v. 244; p. 767.
- Oil burner, Coal-. J. A. L. Wilson. No. 1,220,385; Mar. 27; v. 236; p. 976.
- Oil burner, Crude-. J. A. Hudgens. No. 1,236,305; Aug. 7; v. 241; p. 248.
- Oil burner, Crude-. H. Wood. No. 1,225,551; May 8; v. 238; p. 548.
- Oil burner, Crude-. J. Young. No. 1,227,867; May 29; v. 238; p. 1439.
- Oil burner, Fuel-. J. S. Gipson. No. 1,224,372; May 1; v. 238; p. 92.
- Oil burner, Fuel-. E. W. Tucker. No. 1,223,301; Apr. 17; v. 237; p. 871.
- Oil-burner, Gas-generating. C. Charles. No. 1,224,854; May 1; v. 238; p. 261.
- Oil burner, Heavy-. A. E. Hauck. No. 1,231,019; June 26; v. 239; p. 1009.
- Oil-burner regulator. R. A. Uhlin. No. 1,217,538; Feb. 27; v. 235; p. 1204.
- Oil-burner safety device. F. O. Melin. No. 1,237,937; Aug. 21; v. 241; p. 842.
- Oil-burners, Air-tube and dirt-trap for. G. A. Pingree and R. A. Uhlin. No. 1,210,980; Jan. 2; v. 234; p. 208.
- Oil-burners, Automatic fuel cut-off for. W. R. Ray. No. 1,247,149; Nov. 20; v. 244; p. 663.
- Oil-burning apparatus. T. B. Stillman, Jr. No. 1,235,855; Aug. 7; v. 241; p. 106.
- Oil-burning heater. W. C. Adams. No. 1,222,346; Apr. 10; v. 237; p. 503.
- Oil-burning heater. J. E. Perry. No. 1,239,303; Sept. 4; v. 242; p. 187.
- Oil-cake-forming machine. J. Davidson. No. 1,250,147; Dec. 18; v. 245; p. 567.
- Oil-can. E. E. Adkins. No. 1,247,481; Nov. 20; v. 244; p. 757.
- Oil-can. C. A. Bartlett. No. 1,211,043; Jan. 2; v. 234; p. 230.
- Oil-can. J. A. Blanchette. No. 1,230,061; June 12; v. 239; p. 612.
- Oil-can. L. Brassard. No. 1,238,630; Aug. 28; v. 241; p. 1101.
- Oil-can. W. Elliott. No. 1,215,130; Feb. 6; v. 235; p. 226.
- Oil-can. J. C. Potter. No. 1,211,960; Jan. 9; v. 234; p. 582.
- Oil-can. R. J. Rasmussen and C. Jensen. No. 1,245,381; Nov. 6; v. 244; p. 71.
- Oil-can. D. J. Reinhardt. No. 1,234,089; July 17; v. 240; p. 904.
- Oil-can. E. Young. No. 1,214,740; Feb. 6; v. 235; p. 91.
- Oil-can, Safety. A. L. Hansen. No. 1,241,511; Oct. 2; v. 243; p. 12.
- Oil-casing-closing apparatus. J. Scanlin. No. 1,217,837; Feb. 27; v. 235; p. 1306.
- Oil clarifying and dispensing apparatus. W. A. Sexton. No. 1,248,730; Dec. 4; v. 245; p. 90.
- Oil-containers, Explosion-hatch for. C. N. Scott. No. 1,219,493; Mar. 20; v. 236; p. 624.
- Oil-controller, Automatic. F. E. Curtis. No. 1,237,621; Aug. 21; v. 241; p. 742.
- Oil-circuit breaker. H. R. Schultz. No. 1,214,083; Jan. 30; v. 234; p. 1410.
- Oil-cup. R. O. Paine. No. 1,232,363; July 3; v. 240; p. 282.
- Oil-cup. M. C. and C. H. Van Alstyne. No. 1,244,923; Oct. 30; v. 243; p. 1218.
- Oil-cup cover. J. Sturrock. No. 1,211,893; Jan. 9; v. 234; p. 556.
- Oil-cup for wagon-wheels. F. Roberts. No. 1,243,978; Oct. 23; v. 243; p. 894.
- Oil-cup, Self-closing. D. H. Twaits. No. 1,222,909; Apr. 17; v. 237; p. 739.
- Oil, Decomposing. A. A. Wells. No. 1,232,454; July 3; v. 240; p. 303.
- Oil-deflector. C. O. Bergstrom. No. 1,224,260; May 1; v. 238; p. 52.
- Oil-dehydrating apparatus. P. W. Prutzman. No. 1,238,331; Aug. 28; v. 241; p. 1005.
- Oil-dispensing apparatus. H. H. Daniels and N. Nafus. No. 1,286,682; Aug. 14; v. 241; p. 404.
- Oil-dispensing apparatus. J. Hancock. No. 1,215,801; Feb. 13; v. 235; p. 498.
- Oil-dispensing device. A. Mollenhauer. No. 1,218,685; Mar. 13; v. 236; p. 313.
- Oil-distributor. J. Neumann. No. 1,226,905; May 22; v. 238; p. 1085.
- Oil-engine. P. P. Dempsey. No. 1,224,151; May 1; v. 238; p. 12.
- Oil-engine. E. T. McKaig. No. 1,250,333; Dec. 18; v. 245; p. 623.
- Oil engine, Compound fuel-. O. P. Ostergren. No. 1,233,498; July 17; v. 240; p. 715.
- Oil engine, Crude or heavy. B. Johnson. No. 1,223,793; Apr. 24; v. 237; p. 1081.
- Oil-engine, Explosion. J. M. Thorp. No. 1,247,904; Nov. 27; v. 244; p. 914.
- Oil-engine, High-pressure-feed. H. Engel. No. 1,243,597; Oct. 16; v. 243; p. 741.
- Oil-engine, High-speed. P. P. Dempsey. No. 1,247,648; Nov. 27; v. 244; p. 837.
- Oil-extracting apparatus. F. Strickland. No. 1,233,930; July 17; v. 240; p. 855.
- Oil-feed-controlling mechanism. C. D. Douty. No. 1,219,812; Mar. 20; v. 236; p. 736.
- Oil-feed indicator. H. Kocourek. No. 1,234,774; July 31; v. 240; p. 1195.
- Oil-feed signal device. F. P. Lamar. No. 1,229,097; June 5; v. 239; p. 242.
- Oil-flotation concentration process. E. Wagner. No. 1,235,083; July 31; v. 240; p. 1291.
- Oil-fount attachment. F. H. Kloepper. No. 1,227,629; May 29; v. 238; p. 1357.

- Oil from a drying-oil, Manufacture of a non-saponifiable unsaturated hydrocarbon. B. T. Brooks and F. W. Padgett. No. 1,220,820; Mar. 27; v. 236; p. 1126.
- Oil from foots, Recovering. O. C. Hagemann. No. 1,232,913; July 10; v. 240; p. 489.
- Oil from subterranean strata, Method of and apparatus for extracting. G. R. Yeomans. No. 1,237,139; Aug. 14; v. 241; p. 551.
- Oil-gage. C. A. Stapleton and O. P. Burchfiel. No. 1,216,744; Feb. 20; v. 235; p. 884.
- Oil-gage for internal-combustion engines, Safety. J. C. McMurray. No. 1,221,812; Apr. 3; v. 237; p. 282.
- Oil-guard for shaft-bearings. I. W. Doeg. No. 1,211,106; Jan. 2; v. 234; p. 250.
- Oil-heater. P. E. Schenkenberger. No. 1,211,243; Jan. 2; v. 234; p. 299.
- Oil-indicator. J. M. Hons and E. W. Aplin. No. 1,214,788; Feb. 6; v. 235; p. 106.
- Oil into explosive gas for internal-combustion engines, Means for converting kerosene. E. D. Clark. No. 1,211,087; Jan. 2; v. 234; p. 244.
- Oil-level indicator. J. B. Knowles. No. 1,246,757; Nov. 13; v. 244; p. 512.
- Oil, Lubricating-. H. B. Hodge. No. 1,230,579; June 19; v. 239; p. 825.
- Oil, Manufacture of corn-. A. W. H. Lenders and H. F. Bauer. No. 1,225,664; May 8; v. 238; p. 586.
- Oil on clutch-disks, Means for thinning. W. Sauve. No. 1,237,561; Aug. 21; v. 241; p. 724.
- Oil or fat compositions, Color concentrate for edible. C. Ellis. No. 1,224,910; May 8; v. 238; p. 332.
- Oil or gas burners, Heater for. W. C. Fischer. No. 1,238,398; Aug. 28; v. 241; p. 1026.
- Oil or grease gun, Gravity-filling. J. W. Williams. No. 1,211,264; Jan. 2; v. 234; p. 306.
- Oil or similar products from petroleum, Manufacture of fusel-. H. Hibbert, H. Essex, and B. T. Brooks. No. 1,214,919; Feb. 6; v. 235; p. 153.
- Oil-pan. H. C. Stuart. No. 1,223,442; Apr. 24; v. 237; p. 954.
- Oil-purifier. J. F. Robertson. No. 1,223,423; Apr. 24; v. 237; p. 948.
- Oil purifier and pump. A. Kingsbury. No. 1,242,560; Oct. 9; v. 243; p. 387.
- Oil-purifying system. W. S. Elliott. No. 1,242,667; Oct. 9; v. 243; p. 422.
- Oil, Removing catalyzer from. C. Ellis. No. 1,224,291; May 1; v. 238; p. 64.
- Oil-retainer, Rotary-joint. G. E. Miller and E. B. Cantrell. No. 1,212,089; Jan. 9; v. 234; p. 621.
- Oil ring and chain. W. L. Bliss. No. 1,245,427; Nov. 6; v. 244; p. 85.
- Oil-saver. L. G. Bowen. No. 1,215,244; Feb. 6; v. 235; p. 266.
- Oil-separator. E. Johnson. No. 1,230,581; June 19; v. 239; p. 825.
- Oil-separator. J. M. Tatman. No. 1,240,099; Sept. 11; v. 242; p. 464.
- Oil storage and delivery apparatus. F. W. Schoch. No. 1,226,914; May 22; v. 238; p. 1088.
- Oil-storage tank, Lubricating-. H. Lewis. No. 1,246,819; Nov. 13; v. 244; p. 531.
- Oil-storage tanks, Safety-vent for crude-. W. M. Bowles. No. 1,238,988; Sept. 4; v. 242; p. 85.
- Oil-switch. H. W. Cheney. No. 1,240,314; Sept. 18; v. 242; p. 572.
- Oil-tank protector, Storage-. H. W. and G. Clifton. No. 1,238,028; July 10; v. 240; p. 525.
- Oil tanks, Device for protecting crude-. L. Hannon. No. 1,229,261; June 12; v. 239; p. 348.
- Oil-tester, Closed. C. J. Tagliabue. No. 1,236,123; Aug. 7; v. 241; p. 191.
- Oil-thief. W. H. Kaul. No. 1,210,487; Jan. 2; v. 234; p. 38.
- Oil-transmission mechanism. J. Richer and C. O. Swenson. No. 1,246,322; Nov. 13; v. 244; p. 383.
- Oil-treating-device. F. G. White and W. J. Barnhart. No. 1,242,292; Oct. 9; v. 243; p. 302.
- Oil, Treatment of crude. W. S. Barnickel. No. 1,223,659; Apr. 24; v. 237; p. 1032.
- Oil, Vegetable drying-. S. Lomanitz. No. 1,244,521; Oct. 30; v. 243; p. 1095.
- Oil-wick carrier. W. L. Bliss. No. 1,231,990; July 3; v. 240; p. 151.
- Oils, Agitator for treating mineral. J. Hansen. No. 1,215,526; Feb. 13; v. 235; p. 399.
- Oils and fats for hydrogenation, Preparing. C. Dreymann. No. 1,228,888; June 5; v. 239; p. 175.
- Oils and residues for the production of lower-boiling hydrocarbons, Treatment of mineral. C. White. No. 1,226,041; May 15; v. 238; p. 757.
- Oils and residues of same, Apparatus for treating natural. W. S. Barnickel. No. 1,223,660; Apr. 24; v. 237; p. 1032.
- Oils and the like, Method of and apparatus for extracting. E. O. Barstow and T. Griswold, Jr. No. 1,238,084; Aug. 28; v. 241; p. 922.
- Oils, Apparatus for cracking. C. G. Lambert. No. 1,245,930; Nov. 6; v. 244; p. 238.
- Oils, Apparatus for dehydrating hydrocarbon. E. I. Dyer. No. 1,220,504; Mar. 27; v. 236; p. 1017.
- Oils, Apparatus for treating heavy. E. Brown. No. 1,225,569; May 8; v. 238; p. 555.
- Oils, Apparatus for treating hydrocarbon. G. L. Rowsey. No. 1,235,384; July 31; v. 240; p. 1380.
- Oils can be profitably recovered from their "foots" or soap-stock, Process whereby neutral. E. E. Ayres, Jr. No. 1,247,782; Nov. 27; v. 244; p. 879.
- Oils, Double evaporator and process of treating petroleum-. M. J. Trumble. No. 1,250,052; Dec. 11; v. 245; p. 500.
- Oils, Extracting essential. E. J. Sheehan. No. 1,211,969; Jan. 9; v. 234; p. 584.
- Oils, Extraction of cocoanut-. G. G. Turner and C. H. Leighton. No. 1,247,597; Nov. 20; v. 244; p. 790.
- Oils for increasing the yield of light-gravity oils, Treating mineral. D. T. Day. No. 1,221,698; Apr. 3; v. 237; p. 242.
- Oils, Process of and apparatus for decomposing hydrocarbon. A. A. Wells. No. 1,248,225; Nov. 27; v. 244; p. 1003.
- Oils, Process of and apparatus for treating. O. C. Swan. No. 1,250,526; Dec. 18; v. 245; p. 681.
- Oils, Process of and apparatus for treating. O. C. Swan. No. 1,250,527; Dec. 18; v. 245; p. 681.
- Oils, Purifying. W. O. Snelling. No. 1,215,732; Feb. 13; v. 235; p. 474.
- Oils, Refining. W. M. Parker. No. 1,226,990; May 22; v. 238; p. 1117.
- Oils, Refining saponifiable. C. Baskerville. No. 1,246,379; Nov. 13; v. 244; p. 401.
- Oils, Transforming mineral. A. S. Ramage. No. 1,224,787; May 1; v. 238; p. 238.
- Oils, &c., Treating. C. Ellis. No. 1,216,971; Feb. 20; v. 235; p. 961.
- Oils, Treating. C. Ellis. No. 1,249,278; Dec. 4; v. 245; p. 246.
- Oils, Treating. A. M. McAfee. No. 1,235,523; July 31; v. 240; p. 1423.
- Oils, Treating mineral. G. Petroff. No. 1,233,700; July 17; v. 240; p. 781.
- Oils, Treatment of hydrocarbon. A. L. Brown. No. 1,234,862; July 31; v. 240; p. 1221.
- Oiler. G. O. Gilbert. No. 1,241,207; Sept. 25; v. 242; p. 881.
- Oiler. H. Michelsen. No. 1,212,086; Jan. 9; v. 234; p. 620.
- Oiler. O. Zerk. No. 1,246,215; Nov. 13; v. 244; p. 350.
- Oiler, Air-fed. H. Schade. No. 1,236,215; Aug. 7; v. 241; p. 222.
- Oiler, Animal-. L. W. Hurff. No. 1,237,784; Aug. 21; v. 241; p. 795.
- Oiler, Automatic. A. F. Brace. No. 1,230,658; June 19; v. 239; p. 850.
- Oiler, Automatic. W. F. Van Guysling. No. 1,212,714; Jan. 16; v. 234; p. 875.
- Oiler, Crank-pin. C. A. Stickney. No. 1,224,338; May 1; v. 238; p. 81.
- Oiler, Drill-bit. N. V. Lloyd. No. 1,238,537; Aug. 28; v. 241; p. 1072.
- Oiler, Flange-. Z. Tisher. No. 1,226,927; May 22; v. 238; p. 1093.
- Oiler for crank-pins. C. L. Avery. No. 1,212,602; Jan. 16; v. 234; p. 834.
- Oiler for die-stocks. A. R. Hall. No. 1,210,931; Jan. 2; v. 234; p. 191.
- Oiler for elevator and weight guide-rails. J. O'Connor. No. 1,233,902; July 17; v. 240; p. 846.
- Oiler for watches and clocks, Plunger-. M. Goldner. No. 1,250,851; Dec. 18; v. 245; p. 778.
- Oiler, Hog-. C. S. Andrews. No. 1,243,127; Oct. 16; v. 243; p. 601.
- Oiler, Hog-. R. H. Bloomer. No. 1,238,093; Aug. 28; v. 241; p. 926.
- Oiler, Hog-. F. R. Children. No. 1,241,495; Oct. 2; v. 243; p. 6.
- Oiler, Hog-. C. A. Cox. No. 1,216,081; Feb. 13; v. 235; p. 601.
- Oiler, Hog-. G. W. Ericson. No. 1,238,900; Sept. 4; v. 242; p. 58.
- Oiler, Hog-. W. M. Flynn. No. 1,229,435; June 12; v. 239; p. 407.
- Oiler, Hog-. B. F. Knerr. No. 1,229,094; June 5; v. 239; p. 241.
- Oiler, Hog-. R. W. Oliver. No. 1,213,682; Jan. 23; v. 234; p. 1243.
- Oiler, Hog-. E. Rizk. No. 1,241,023; Sept. 25; v. 242; p. 824.
- Oiler, Hog-. A. J. and H. J. Schepp. No. 1,219,352; Mar. 13; v. 236; p. 545.
- Oiler, Hog or animal. R. C. Boldry. No. 1,237,606; Aug. 21; v. 241; p. 738.
- Oiler or lubricator, Automatic. L. N. Vincent. No. 1,234,585; July 24; v. 240; p. 1102.
- Oiler protector, Motor-. N. S. Wright. No. 1,227,728; May 29; v. 238; p. 1391.
- Oiler, Road-. E. L. Harmon. No. 1,233,875; July 17; v. 240; p. 837.
- Oiler, Road-. J. R. Kinney. No. 1,220,344; Mar. 27; v. 236; p. 962.
- Oiler, Road-. J. R. Kinney. No. 1,234,910; July 31; v. 240; p. 1237.
- Oiler, Spray hog-. B. R. Bonney. No. 1,233,286; July 10; v. 240; p. 607.
- Oiler, Spring-. G. L. Woodjard. No. 1,220,924; Mar. 27; v. 236; p. 1159.

Alphabetical list of inventions—Continued.

- Oiler, Track-. L. G. Atherton. No. 1,250,076; Dec. 11; v. 245; p. 507.
- Oiler with cast ductile casings. W. J. McDonald. No. 1,244,753; Oct. 30; v. 243; p. 1166.
- Oiling and painting device, Fountain floor. H. Pond. No. 1,237,380; Aug. 21; v. 241; p. 666.
- Oiling apparatus. T. Shipley. No. 1,250,036; Dec. 11; v. 245; p. 495.
- Oiling attachment for die-stocks. F. H. McPherson. No. 1,224,946; May 8; v. 238; p. 344.
- Oiling attachment for intermittently-operated machines. W. Cottrell and R. B. Benjamin. No. 1,246,886; Nov. 20; v. 244; p. 587.
- Oiling device. B. H. Smith and W. A. Inwood. No. 1,230,936; June 26; v. 239; p. 980.
- Oiling device, Animal-. W. J. Marsh. No. 1,225,456; May 8; v. 238; p. 518.
- Oiling device, Animal-. G. Wenzelmann and W. H. Harrison. No. 1,235,265; July 31; v. 240; p. 1345.
- Oiling device, Hog-. R. W. Carson. No. 1,221,675; Apr. 3; v. 237; p. 233.
- Oiling device, Hog-. G. A. Shores. No. 1,221,484; Apr. 3; v. 237; p. 169.
- Oiling device, Springs-. G. A. Bubar. No. 1,245,434; Nov. 6; v. 244; p. 87.
- Oiling saws, Device for. M. Dell. No. 1,226,476; May 15; v. 238; p. 904.
- Oiling system for internal-combustion motors. H. L. Horning. No. 1,213,875; Jan. 30; v. 234; p. 1338.
- Oiling system for motors. G. Nus. No. 1,237,084; Aug. 14; v. 241; p. 533.
- Oiling system, Mower-. B. R. Benjamin. No. 1,230,841; June 26; v. 239; p. 950.
- Oily material, Process and apparatus for treating. C. Ellis. No. 1,247,095; Nov. 20; v. 244; p. 647.
- Oily materials, Treating. C. Ellis. No. 1,247,516; Nov. 20; v. 244; p. 767.
- Old man. W. H. Lutz. No. 1,245,360; Nov. 6; v. 244; p. 65.
- Oleo-stock clarifier, seeder, and breaker. G. L. Noble. No. 1,240,869; Sept. 25; v. 242; p. 776.
- Oleum of predetermined strength, Making. H. M. Weber. No. 1,233,627; July 17; v. 240; p. 759.
- Oliver or tilt-hammer. J. Vincent. No. 1,236,632; Aug. 14; v. 241; p. 386.
- Olives and product thereof, Curing. F. P. Hebert. No. 1,211,844; Jan. 9; v. 234; p. 538.
- Olives, Packing ripe. H. P. and G. Burt. No. 1,238,708; Aug. 28; v. 241; p. 1123.
- Omnibus, Motor-. H. B. Weaver. No. 1,241,795; Oct. 2; v. 243; p. 104.
- 1-Iodo-2,3-dihydroxypropane and making same. R. Lüders. No. 1,230,185; June 19; v. 239; p. 693.
- Onion-set toppler and cleaner. G. C. Curtis. No. 1,223,941; Apr. 24; v. 237; p. 1130.
- Onion-topping machine. E. Burdick. No. 1,217,269; Feb. 27; v. 235; p. 1107.
- Opaque semitranslucent glass. J. J. Miller. No. 1,245,487; Nov. 6; v. 244; p. 103.
- Open-hearth furnace. T. S. Blair, Jr. No. 1,236,140; Aug. 7; v. 241; p. 196.
- Open-hearth furnace. T. S. Blair, Jr. No. 1,245,555; Nov. 6; v. 244; p. 125.
- Open-hearth furnace. N. Thomas and A. W. Allen. No. 1,217,367; Feb. 27; v. 235; p. 1141.
- Open-hearth furnace, Basic. S. Naismith. No. 1,220,444; Mar. 27; v. 236; p. 996.
- Opening device. W. B. Story. No. 1,249,851; Dec. 11; v. 245; p. 443.
- Opera-chair. F. Fessler. No. 1,247,385; Nov. 20; v. 244; p. 730.
- Opera-chairs, Detachable clothes-rack for. E. E. Yelinek. No. 1,227,516; May 22; v. 238; p. 1290.
- Operating-cushion. A. C. Eggers. No. 1,235,669; Aug. 7; v. 241; p. 44.
- Operating mechanism, Rotary. H. W. Braunbeck. No. 1,213,733; Jan. 23; v. 234; p. 1259.
- Operating mechanism, Time-controlled. W. J. Kamuf. No. 1,219,951; Mar. 20; v. 236; p. 785.
- Operating-table. S. H. Hill. No. 1,241,514; Oct. 2; v. 243; p. 13.
- Operating-table. H. S. Jones. No. 1,249,410; Dec. 11; v. 245; p. 314.
- Operating-table, Ambulance. A. D. Crossley. No. 1,225,015; May 8; v. 238; p. 367.
- Operator's key. W. Kaisling. No. 1,230,410; June 19; v. 239; p. 765.
- Ophthalmic mounting. N. M. Baker. No. 1,241,903; Oct. 2; v. 243; p. 139.
- Ophthalmic mounting. N. M. Baker. No. 1,244,941; Oct. 30; v. 243; p. 1224.
- Ophthalmic mounting. N. M. Baker and H. K. Parsons. No. 1,245,998; Nov. 6; v. 244; p. 254.
- Ophthalmic mounting. G. H. Day. No. 1,224,283; May 1; v. 238; p. 60.
- Ophthalmic mounting. G. H. Day. No. 1,235,662; Aug. 7; v. 241; p. 43.
- Ophthalmic mounting. G. H. Day. No. 1,241,716; Oct. 2; v. 243; p. 79.
- Ophthalmic mounting. G. H. Day. No. 1,241,718; Oct. 2; v. 243; p. 80.
- Ophthalmic mounting. G. H. Day. No. 1,249,908; Dec. 11; v. 245; p. 460.
- Ophthalmic mounting. G. H. Day and O. B. Carson. No. 1,241,717; Oct. 2; v. 243; p. 79.
- Ophthalmic mounting. H. E. Holley. No. 1,227,620; May 29; v. 238; p. 1354.
- Ophthalmic mounting. P. H. Johnston. No. 1,230,488; June 19; v. 239; p. 793.
- Ophthalmic mounting. H. K. Parsons. No. 1,218,112; Mar. 6; v. 236; p. 79.
- Ophthalmic mounting. B. A. Soulé. No. 1,243,886; Oct. 23; v. 243; p. 868.
- Ophthalmic mounting. E. D. Tillyer. No. 1,222,049; Apr. 10; v. 237; p. 397.
- Ophthalmic mounting. J. C. Wells. No. 1,225,689; May 8; v. 238; p. 595.
- Opium and making same, Product derived from. A. Gams. No. 1,243,729; Oct. 23; v. 243; p. 817.
- Optical apparatus, Light-dividing means for. D. F. Comstock. No. 1,231,710; July 3; v. 240; p. 59.
- Optical instrument. J. Mihalyi. No. 1,229,117; June 5; v. 239; p. 249.
- Optical instrument. J. Mihalyi. No. 1,249,163; Dec. 4; v. 245; p. 212.
- Optical instrument. G. W. Shook. No. 1,236,777; Aug. 14; v. 241; p. 436.
- Optical instrument. C. H. Stout. No. 1,226,026; May 15; v. 238; p. 752.
- Optical instrument. M. Woolf. No. 1,240,289; Sept. 18; v. 242; p. 563.
- Optical instruments, Interaxial-distance stop for. E. Hart. No. 1,233,350; July 17; v. 240; p. 664.
- Optical system of variable magnification. M. Lange. No. 1,236,722; Aug. 14; v. 241; p. 418.
- Optometer of the Scheiner system. W. Thorner. No. 1,235,170; July 31; v. 240; p. 1316.
- Orange-holder. J. A. Lundahl. No. 1,246,624; Nov. 13; v. 244; p. 475.
- Orange or similar fruit serving utensil. G. B. Crowe. No. 1,236,058; Aug. 7; v. 241; p. 173.
- Orange-peeler. N. Kosin. No. 1,231,913; July 3; v. 240; p. 127.
- Orchard-box, Metal. R. S. Jensen. No. 1,233,243; July 10; v. 240; p. 594.
- Orchard-heater. J. D. Black. No. 1,245,663; Nov. 6; v. 244; p. 159.
- Orchard-heater. J. L. Quinn. No. 1,222,794; Apr. 17; v. 237; p. 701.
- Order-blank, Manifolding. H. P. Brown. No. 1,211,819; Jan. 9; v. 234; p. 529.
- Order-guide. P. H. Herbert. No. 1,244,089; Oct. 23; v. 243; p. 928.
- Order-indicator for trainmen. M. J. Sullivan. No. 1,235,737; Aug. 7; v. 241; p. 66.
- Ordinance. N. Colomyjezuk. No. 1,217,415; Feb. 27; v. 235; p. 1157.
- Ordinance and adjustable carriage therefor. J. Krupka. No. 1,249,778; Dec. 11; v. 245; p. 421.
- Ordinance, Breech-loading. F. Kiaput. No. 1,217,959; Mar. 6; v. 236; p. 25.
- Ore and metallurgical products, Sintering fine oxid. H. Bittmann. No. 1,221,962; Apr. 10; v. 237; p. 368.
- Ore-bodies, Method and apparatus for locating. R. A. Fessenden. No. 1,240,328; Sept. 18; v. 242; p. 576.
- Ore-classifier. E. C. Robinson. No. 1,223,523; Apr. 24; v. 237; p. 984.
- Ore classifier or separator. J. N. Wingett. No. 1,215,230; Feb. 6; v. 235; p. 260.
- Ore classifying and separating. G. C. Hackstaff and G. B. Holden. No. 1,219,408; Mar. 13; v. 236; p. 565.
- Ore classifying and sizing mechanism. J. and F. Franz. No. 1,250,697; June 19; v. 239; p. 862.
- Ore-concentrating. A. Schwarz. No. 1,237,961; Aug. 21; v. 241; p. 849.
- Ore-concentrating apparatus. G. W. Burnhart. No. 1,218,977; Mar. 13; v. 236; p. 418.
- Ore-concentrating apparatus. J. Mickelson. No. 1,219,128; Mar. 13; v. 236; p. 469.
- Ore-concentrating apparatus, Flotation. O. Allen. No. 1,250,938; Dec. 25; v. 245; p. 853.
- Ore-concentrating method and apparatus. H. M. Dunn. No. 1,219,089; Mar. 13; v. 236; p. 455.
- Ore-concentrating table. E. A. Wall. No. 1,233,149; July 10; v. 240; p. 565.
- Ore concentration. G. A. Chapman. No. 1,234,288; July 24; v. 240; p. 1006.
- Ore concentration. R. B. Martin. No. 1,236,856; Aug. 14; v. 241; p. 461.
- Ore concentration. R. B. Martin. No. 1,236,857; Aug. 14; v. 241; p. 461.
- Ore concentration. W. A. Scott. No. 1,246,665; Nov. 13; v. 244; p. 486.
- Ore-concentrator. J. H. Brittain. No. 1,224,066; Apr. 24; v. 237; p. 1172.
- Ore concentrator or separator. W. H. Munroe. No. 1,230,081; June 12; v. 239; p. 620.
- Ore-concentrators, Feeding appliance for. E. J. O'Connell. No. 1,245,611; Nov. 6; v. 244; p. 143.
- Ore cooling, moistening, and feeding table. A. H. Richards. No. 1,231,790; July 3; v. 240; p. 85.
- Ore deposits in the earth, Method of and apparatus for detecting the presence of. R. Nelson. No. 1,248,380; Nov. 27; v. 244; p. 1047.
- Ore-flotation apparatus. H. C. and E. A. Colburn. No. 1,226,063; May 15; v. 238; p. 765.

- Ore-fotation process. H. C. and E. A. Colburn. No. 1,226,062; May 15; v. 238; p. 765.
- Ore-grinding mill. P. A. MacEachern and N. O'Daniel. No. 1,233,086; July 10; v. 240; p. 544.
- Ore, Machine for concentrating the heavier and valuable portions of. G. I. Leonard. No. 1,241,861; Oct. 2; v. 243; p. 125.
- Ore, Machinery for agglomerating. P. O. Harding. No. 1,239,179; Sept. 4; v. 242; p. 146.
- Ore mixtures in vacuum separating vessels or chambers, Separating finely-divided. F. A. M. Schiechel. No. 1,212,566; Jan. 16; v. 234; p. 821.
- Ore-pulverizer. C. O. Michaelsen. No. 1,247,701; Nov. 27; v. 244; p. 854.
- Ore-pulverizer. A. Molander. No. 1,220,257; Mar. 27; v. 236; p. 928.
- Ore-pulverizing ball-mill. H. Eggers. No. 1,235,449; July 31; v. 240; p. 1398.
- Ore-pulverizing mill. C. L. Buckingham. No. 1,247,633; Nov. 27; v. 244; p. 832.
- Ore reducing and metallizing apparatus. H. N. Tracy. No. 1,214,844; Feb. 6; v. 235; p. 124.
- Ore-roaster, Blast. G. H. Dern and T. P. Holt. No. 1,251,189; Dec. 25; v. 245; p. 926.
- Ore roasting and sintering apparatus. A. S. Dwight. No. 1,215,637; Feb. 13; v. 235; p. 442.
- Ore-roasting apparatus. G. L. Tanzer. No. 1,226,923; May 22; v. 238; p. 1092.
- Ore-sampler. F. B. Pott. No. 1,215,988; Feb. 13; v. 235; p. 566.
- Ore-separating machine. H. H. Thompson and A. E. Davies. No. 1,224,580; May 1; v. 238; p. 166.
- Ore separating or concentrating apparatus. D. Cole. No. 1,223,033; Apr. 17; v. 237; p. 782.
- Ore-separator. W. P. Clifford and J. C. Cook. No. 1,218,170; Mar. 6; v. 236; p. 98.
- Ore-separator. E. Cohen. No. 1,230,674; June 19; v. 239; p. 855.
- Ore-separator. T. C. Cole. No. 1,248,267; Nov. 27; v. 244; p. 1015.
- Ore-separator. G. Hering. No. 1,216,118; Feb. 13; v. 235; p. 614.
- Ore-separator. J. S. Morrison. No. 1,227,552; May 22; v. 238; p. 1302.
- Ore-separator. D. W. Shepherd. No. 1,218,809; Mar. 13; v. 236; p. 360.
- Ore-separator. A. O. Thomas. No. 1,222,491; Apr. 10; v. 237; p. 554.
- Ore-separators, Attachment for dry. W. W. Bonson. No. 1,214,269; Jan. 30; v. 234; p. 1474.
- Ore, Sintering and smelting. A. S. Dwight. No. 1,215,635; Feb. 13; v. 235; p. 441.
- Ore-sintering method and apparatus. J. Gayley. No. 1,247,661; Nov. 27; v. 244; p. 841.
- Ore-treating apparatus. A. J. Garver. No. 1,243,505; Oct. 16; v. 243; p. 715.
- Ore-treating apparatus. H. B. Walling. No. 1,246,195; Nov. 13; v. 244; p. 344.
- Ore-treating furnace. G. L. Tanzer. No. 1,249,854; Dec. 11; v. 245; p. 444.
- Ore-washing machine. A. E. Bookwalter. No. 1,237,237; Aug. 14; v. 241; p. 581.
- Ores and flue-dust, Agglomeration of fine. W. Schumacher. No. 1,222,893; Apr. 17; v. 237; p. 735.
- Ores and metals, Separation of. G. T. Wright and L. C. Hodson. No. 1,238,242; Aug. 28; v. 241; p. 975.
- Ores and substances, Treatment of. F. L. McGahan. No. 1,239,282; Sept. 4; v. 242; p. 181.
- Ores and the like, Apparatus for sampling streams of wet. C. J. Williams. No. 1,235,090; July 31; v. 240; p. 1293.
- Ores and the like, Apparatus for treating. N. C. Christensen, Jr. No. 1,231,707; July 3; v. 240; p. 58.
- Ores and the like substances into blocks or briquets, Compressing fine. O. Kippe. No. 1,238,022; Aug. 21; v. 241; p. 869.
- Ores, Apparatus for separating or concentrating. D. Cole. No. 1,243,814; Oct. 23; v. 243; p. 846.
- Ores, Apparatus for treating metallic. W. R. Smith. No. 1,249,226; Dec. 4; v. 245; p. 231.
- Ores, Automatic controlling system for continuous agitation and transfer system for treatment of. J. W. Bucher and R. P. Akins. No. 1,219,240; Mar. 13; v. 236; p. 507.
- Ores by flotation, Apparatus for separating. H. E. T. Haultain. No. 1,218,400; Mar. 6; v. 236; p. 178.
- Ores by flotation, Concentration of. G. D. Van Arsdale. No. 1,236,504; Aug. 14; v. 241; p. 345.
- Ores, Concentrating. A. L. Pellegrin. No. 1,237,691; Aug. 21; v. 241; p. 767.
- Ores, Concentrating carnotite. H. Schlundt. No. 1,240,607; Sept. 18; v. 242; p. 661.
- Ores, Concentration of. A. H. Higgins. No. 1,236,933; Aug. 14; v. 241; p. 486.
- Ores, Concentration of. A. H. Higgins. No. 1,236,934; Aug. 14; v. 241; p. 486.
- Ores, Concentration of metalliferous. S. I. Clawson. No. 1,240,824; Sept. 25; v. 242; p. 762.
- Ores, Desulfurizing. H. F. Wierum. No. 1,222,252; Apr. 10; v. 237; p. 470.
- Ores, earths, clays, and sand, Purifying aluminous. F. Langford. No. 1,251,058; Dec. 25; v. 245; p. 888.
- Ores, Flotation of. R. F. Bacon. No. 1,235,954; Aug. 7; v. 241; p. 139.
- Ores, Fusing. R. P. Pictet. No. 1,230,431; June 19; v. 239; p. 773.
- Ores, Method and apparatus for separating magnetic. J. Weatherby. No. 1,218,916; Mar. 13; v. 236; p. 398.
- Ores of certain metals, Treatment of the. R. Lance. No. 1,247,413; Nov. 20; v. 244; p. 738.
- Ores or metal-bearing products, Treating. F. A. Eustis. No. 1,230,143; June 19; v. 239; p. 678.
- Ores, Recovering valuable constituents of. H. G. C. Thofehrn. No. 1,210,724; Jan. 2; v. 234; p. 120.
- Ores, Separating precious metals from their. W. H. Aghan. No. 1,210,880; Jan. 2; v. 234; p. 172.
- Ores, Treating. N. C. Christensen, Jr. No. 1,239,157; Sept. 4; v. 242; p. 140.
- Ores, Treating. H. E. Cleaves. No. 1,239,885; Sept. 11; v. 242; p. 402.
- Ores, Treating. G. F. Downs. No. 1,216,667; Feb. 20; v. 235; p. 858.
- Ores, Treating. A. S. Dwight. No. 1,215,636; Feb. 13; v. 235; p. 441.
- Ores, Treating. H. L. Friberger. No. 1,224,917; May 8; v. 238; p. 334.
- Ores, Treating. A. L. Pellegrin. No. 1,233,398; July 17; v. 240; p. 682.
- Ores, Treating aluminous. H. A. Richmond. No. 1,245,383; Nov. 6; v. 244; p. 72.
- Ores, Treating metalliferous. R. L. Lloyd. No. 1,215,672; Feb. 13; v. 235; p. 455.
- Ores, Treating refractory. S. J. Vermaes. No. 1,234,426; July 24; v. 240; p. 1052.
- Ores, Treating vanadium-bearing. R. S. Davis. No. 1,223,567; Apr. 24; v. 237; p. 999.
- Ores, Treatment of. A. H. Higgins. No. 1,227,615; May 29; v. 238; p. 1352.
- Ores, Treatment of. G. C. Westby. No. 1,244,811; Oct. 30; v. 243; p. 1184.
- Ores, Treatment of refractory auriferous. J. H. Niemann. No. 1,222,789; Apr. 17; v. 237; p. 699.
- Ores with liquids, Treating roasted. A. Ramén. No. 1,235,598; Aug. 7; v. 241; p. 22.
- Organ-action, Electromagnetic. J. A. Godrycz. No. 1,233,220; July 10; v. 240; p. 588.
- Organ and the like, Automatic. C. E. Haldeman. No. 1,238,288; Aug. 28; v. 241; p. 990.
- Organ-bellows, Valve for. A. J. Schantz. No. 1,248,926; Dec. 4; v. 245; p. 146.
- Organ, Electrically-operated pipe. W. J. Baker. No. 1,232,176; July 3; v. 240; p. 215.
- Organ, Electropneumatic. F. W. Smith. No. 1,231,212; June 26; v. 239; p. 1075.
- Organ swell-box. L. S. Lockwood. No. 1,225,666; May 8; v. 238; p. 587.
- Organ swell-boxes, Shutter for. R. Hope-Jones. No. 1,230,165; June 19; v. 239; p. 686.
- Organ-valve. A. G. Kilgen. No. 1,247,844; Nov. 27; v. 244; p. 897.
- Organ-valve, Electropneumatic. H. G. Kinder. No. 1,239,698; Sept. 11; v. 242; p. 341.
- Organs, Department-selecting mechanism for automatically-played. W. E. Haskell. No. 1,230,895; June 26; v. 239; p. 966.
- Organs, Electric action for. E. F. Frost. No. 1,228,899; June 5; v. 239; p. 178.
- Organs, Electric action for. E. F. Frost. No. 1,243,280; Oct. 16; v. 243; p. 647.
- Organs, Tremolo mechanism for. B. R. Van Valkenburg. No. 1,243,644; Oct. 16; v. 243; p. 756.
- Organic arseno-phosphorous compounds and making same. A. Mouneyrat. No. 1,232,373; July 3; v. 240; p. 279.
- Orifice-closer. E. E. Chamberlain. No. 1,242,769; Oct. 9; v. 243; p. 454.
- Ornament. K. Miyasaki. No. 1,230,010; June 12; v. 239; p. 596.
- Ornamental article. H. M. Wootton. No. 1,214,402; Jan. 30; v. 234; p. 1520.
- Ornamental glass. J. P. Richter. No. 1,241,767; Oct. 2; v. 243; p. 95.
- Ornamentation, Process of. H. T. Judson. No. 1,235,037; July 31; v. 240; p. 1277.
- Ornamenting device. O. W. Carter. No. 1,240,940; Sept. 25; v. 242; p. 799.
- Ornamenting surfaces. T. F. Kotter, R. V. Colton, and S. H. Schwerin. No. 1,211,455; Jan. 9; v. 234; p. 403.
- Ornithopter. F. E. Summers. No. 1,235,856; Aug. 7; v. 241; p. 107.
- Orthodontia. W. E. Walker. No. 1,217,374; Feb. 27; v. 235; p. 1143.
- Orthodontia appliance. W. E. Walker. No. 1,215,442; Feb. 13; v. 235; p. 368.
- Orthodontic appliance. J. J. Kinehan. No. 1,240,731; Sept. 18; v. 242; p. 700.
- Orthopedic and fracture-extension device. C. G. Geiger. No. 1,216,434; Feb. 20; v. 235; p. 778.
- Orthopedic appliance for foot treatment. W. H. Wood. No. 1,240,286; Sept. 18; v. 242; p. 563.
- Oscillation-generator. R. A. Heising. No. 1,240,206; Sept. 18; v. 242; p. 538.
- Oscillation-receiving apparatus. E. E. Butcher. No. 1,228,647; June 5; v. 239; p. 92.
- Oscillator. C. D. Herrold. No. 1,222,761; Apr. 17; v. 237; p. 690.
- Oscillator, Electric. D. G. McCaa. No. 1,246,626; Nov. 13; v. 244; p. 476.

Alphabetical list of inventions—Continued.

- Oscillatory movement, Checking device for. E. Bommer. No. 1,241,084; Sept. 25; v. 242; p. 842.
- Oscillatory movement, Means for imparting. E. H. Bridenbaugh. No. 1,222,727; Apr. 17; v. 237; p. 678.
- Outing-trailer. W. P. Shattuck. No. 1,229,534; June 12; v. 239; p. 441.
- Outlet-box. A. W. Baker. No. 1,220,168; Mar. 27; v. 236; p. 899.
- Outlet-box. W. A. Bonnell. No. 1,243,246; Oct. 16; v. 243; p. 637.
- Outlet-box. J. C. Boyton and O. H. Nickerson. No. 1,229,576; June 12; v. 239; p. 456.
- Outlet-box. J. G. Knight. No. 1,210,492; Jan. 2; v. 234; p. 40.
- Outlet-box. C. H. and H. R. Loughridge. No. 1,228,330; May 29; v. 238; p. 1591.
- Outlet-box. J. G. Raquette. No. 1,230,218; June 19; v. 239; p. 704.
- Outlet-box and fixture, Combined. J. F. Goggin. No. 1,237,501; Aug. 21; v. 241; p. 704.
- Outlet-box and support therefor. O. T. Sweet. No. 1,225,525; May 8; v. 238; p. 539.
- Outlet-box fitting. A. Coggeshall and H. C. Schnake. No. 1,233,188; July 10; v. 240; p. 578.
- Outlet-box fitting, Conduit. C. H. Bissell. No. 1,250,130; Dec. 18; v. 245; p. 561.
- Outlet-boxes, Electrical appliance for conduit. F. C. Smith. No. 1,248,569; Dec. 4; v. 245; p. 42.
- Outlet-boxes, Electrical receptacle for conduit. C. H. Bissell. No. 1,216,406; Feb. 20; v. 235; p. 768.
- Outlet-boxes, Means for attaching electrical appliances to conduit. C. H. Bissell. No. 1,223,467; Apr. 24; v. 237; p. 963.
- Outtrigger-adjuster. J. Neville. No. 1,223,512; Apr. 24; v. 237; p. 981.
- Oven. W. Bird. No. 1,239,341; Sept. 4; v. 242; p. 198.
- Oven. F. F. Bradley. No. 1,211,535; Jan. 9; v. 234; p. 431.
- Oven. E. C. Greiner. No. 1,215,144; Feb. 6; v. 235; p. 230.
- Oven. E. C. Greiner. No. 1,238,663; Aug. 28; v. 241; p. 1110.
- Oven. B. Kahn. No. 1,241,521; Oct. 2; v. 243; p. 16.
- Oven. W. J. Keep. No. 1,236,718; Aug. 14; v. 241; p. 417.
- Oven. H. W. O'Dowd. No. 1,228,367; May 29; v. 238; p. 1605.
- Oven. A. D. Ordway. No. 1,212,390; Jan. 16; v. 234; p. 758.
- Oven and proof-box, Combined portable. J. Faulds. No. 1,238,995; Sept. 4; v. 242; p. 89.
- Oven attachment. H. A. Rogers. No. 1,230,926; June 26; v. 239; p. 976.
- Oven attachment. L. D. Steward. No. 1,239,632; Sept. 11; v. 242; p. 318.
- Oven, Baker's. C. F. F. Allan. No. 1,239,246; Sept. 4; v. 242; p. 169.
- Oven, Baking. H. Zander. No. 1,244,502; Oct. 30; v. 243; p. 1090.
- Oven, Coking. M. Marshall, Sr. No. 1,227,060; May 22; v. 238; p. 1139.
- Oven, Cooking. G. B. Child. No. 1,211,086; Jan. 2; v. 234; p. 244.
- Oven-door. H. W. O'Dowd. No. 1,228,042; May 29; v. 238; p. 1499.
- Oven-door support. W. R. Jeavons and A. R. Whittaker. No. 1,210,481; Jan. 2; v. 234; p. 35.
- Oven, drying-oven, or the like, Channel. H. I. F. Strandh. No. 1,243,777; Oct. 23; v. 243; p. 833.
- Oven, Electric. J. Bradley. No. 1,233,838; July 17; v. 240; p. 825.
- Oven, Electric. E. L. Smalley. No. 1,234,499; July 24; v. 240; p. 1075.
- Oven, Electric. C. Truitt. No. 1,218,341; Mar. 6; v. 236; p. 159.
- Oven, Electric sterilizing. N. Dedrick. No. 1,213,163; Jan. 23; v. 234; p. 1062.
- Oven for drying cord. J. D. Tew. No. 1,245,066; Oct. 30; v. 243; p. 1261.
- Oven, Gas-. W. L. Mersfelder. No. 1,231,771; July 3; v. 240; p. 78.
- Oven, Gas-. T. F. Reznor. No. 1,235,602; Aug. 7; v. 241; p. 24.
- Oven, Portable baking. P. Howell. No. 1,243,605; Oct. 16; v. 243; p. 744.
- Oven-shelf. H. L. Franklin and C. C. Bragg. No. 1,244,440; Oct. 23; v. 243; p. 1033.
- Oven-shelf. H. Reddin. No. 1,216,164; Feb. 13; v. 235; p. 631.
- Oven, Warming. A. Caro. No. 1,238,743; Sept. 4; v. 242; p. 7.
- Ovens, proofing-chambers, and the like, Charging and discharging automatic. L. C. Reese. No. 1,226,252; May 15; v. 238; p. 831.
- Ovens, proofing-chambers, and the like, Charging and discharging of automatic. L. C. Reese. No. 1,220,456; Mar. 27; v. 236; p. 1001.
- Ovens, proofing-chambers, and the like, Charging and discharging of automatic. L. C. Reese. No. 1,220,457; Mar. 27; v. 236; p. 1002.
- Ovens, proofing-chambers, and the like, Charging and discharging of automatic. L. C. Reese. No. 1,226,253; May 15; v. 238; p. 832.
- Ovens, Thermostatic fuel-regulating device for gas-. B. E. Meacham. No. 1,236,335; Aug. 7; v. 241; p. 257.
- Overalls. A. C. Danielson. No. 1,242,777; Oct. 9; v. 243; p. 456.
- Overcoat. F. A. Butler. No. 1,214,893; Feb. 6; v. 235; p. 143.
- Overflow jar or trap. F. L. Shelor. No. 1,244,552; Oct. 30; v. 243; p. 1106.
- Overflow release means. C. L. Goodrum. No. 1,246,088; Nov. 13; v. 244; p. 312.
- Overflow-signal. W. J. Aberle. No. 1,213,444; Jan. 23; v. 234; p. 1161.
- Overseaming-machine. S. W. Avis. No. 1,217,896; Mar. 6; v. 236; p. 3.
- Overseaming-machine. S. W. Avis. No. 1,229,015; June 5; v. 239; p. 216.
- Overseaming-machine. H. J. Dahl. No. 1,227,756; May 29; v. 238; p. 1400.
- Overseaming-machine. J. J. Heap. No. 1,233,572; July 17; v. 240; p. 741.
- Overseaming-machine. J. M. Merrow. No. 1,217,975; Mar. 6; v. 236; p. 30.
- Overseaming-machine. J. M. Merrow. No. 1,217,977; Mar. 6; v. 236; p. 31.
- Overseaming-machine. L. Onderdonk. No. 1,236,599; Aug. 14; v. 241; p. 375.
- Overshoe attachment. W. B. Frye. No. 1,251,007; Dec. 25; v. 245; p. 874.
- Overshoe attachment. W. H. Tillson. No. 1,246,357; Nov. 13; v. 244; p. 394.
- Overshoe-retainer. M. W. Dorn. No. 1,235,124; July 31; v. 240; p. 1303.
- Overshoe, Rubber. E. A. Saunders. No. 1,239,434; Sept. 4; v. 242; p. 227.
- Overshoe, Skate-fastening. B. Epstein. No. 1,242,668; Oct. 9; v. 243; p. 423.
- Oversole. H. L. Wilt. No. 1,245,847; Nov. 6; v. 244; p. 214.
- Overspeed device. R. Guill and G. L. Shawyer. No. 1,237,203; Aug. 14; v. 241; p. 569.
- Oxalates, Manufacture of. F. A. Dugan. No. 1,232,249; July 3; v. 240; p. 239.
- Oxid, Manufacturing of uranium. H. A. Seil. No. 1,210,714; Jan. 2; v. 234; p. 117.
- Oxid of tin, Direct production of pure. J. Terwelp. No. 1,237,840; Aug. 21; v. 241; p. 812.
- Oxid of titanium from materials incorporating other substances, Obtaining. L. E. Barton. No. 1,235,638; Aug. 7; v. 241; p. 36.
- Oxid, Revivifying and utilizing spent. E. B. Kinz and E. C. Wescott. No. 1,211,713; Jan. 9; v. 234; p. 490.
- Oxids from molten slag, Method of and apparatus for recovering volatile metallic values in the form of metallic. H. Witteborg. No. 1,250,261; Dec. 18; v. 245; p. 602.
- Oxygen and making the same, Compound containing active. O. Liebknecht. No. 1,222,640; Apr. 17; v. 237; p. 648.
- Oxygen compounds of nitrogen from ammonia, Production of. N. Busvold. No. 1,222,928; Apr. 17; v. 237; p. 746.
- Oyster-clamp. D. Du Boe. No. 1,232,513; July 10; v. 240; p. 359.
- Oyster-opener. B. B. and R. C. Hartlib. No. 1,232,682; July 10; v. 240; p. 412.
- Oyster-opening machine. N. G. Abbate. No. 1,228,383; June 5; v. 239; p. 3.
- Oyster-shucking establishments, Construction of. A. Phillips. No. 1,217,821; Feb. 27; v. 235; p. 1301.
- Oyster-shucking machine. B. V. Edwards. No. 1,212,464; Jan. 16; v. 234; p. 785.
- Ozone-producing apparatus. M. R. Tennant. No. 1,218,817; Mar. 13; v. 236; p. 362.
- Pacifier. G. V. Tallon. No. 1,235,169; July 31; v. 240; p. 1316.
- Pack-bag for delicate instruments such as telephones. C. A. Soper, Jr. No. 1,224,510; May 1; v. 238; p. 141.
- Pack-carrier. D. T. Abercrombie. No. 1,217,262; Feb. 27; v. 235; p. 1104.
- Package. H. De Escobales. No. 1,238,645; Aug. 28; v. 241; p. 1105.
- Package. R. D. Pike. No. 1,236,977; Aug. 14; v. 241; p. 500.
- Package. H. H. Wells. No. 1,216,638; Feb. 20; v. 235; p. 849.
- Package and bundle tie. J. L. Pearson. No. 1,222,887; Apr. 17; v. 237; p. 733.
- Package and sealing packages. H. Y. Armstrong. No. 1,215,464; Feb. 15; v. 235; p. 376.
- Package-capping machine. E. Craig. No. 1,248,083; Nov. 27; v. 244; p. 962.
- Package-carrier. L. Pucher. No. 1,232,970; July 10; v. 240; p. 508.
- Package carrier and fastener. L. Hess. No. 1,218,859; Mar. 13; v. 236; p. 379.
- Package, Collapsible. J. F. Craven. No. 1,234,634; July 24; v. 240; p. 1117.
- Package-conveyers, Loading mechanism for. J. A. Alvey. No. 1,219,900; Mar. 20; v. 236; p. 767.
- Package-dispensing apparatus. R. B. Dula. No. 1,216,095; Feb. 13; v. 235; p. 605.
- Package-elevator, Automatic. J. A. Alvey. No. 1,219,898; Mar. 20; v. 236; p. 766.
- Package-filling machine. K. Gammel. No. 1,222,199; Apr. 10; v. 237; p. 450.

- Package, Flat. R. W. Sexton. No. 1,229,799; June 12; v. 239; p. 529.
- Package-handle. F. O. Vontobel. No. 1,247,910; Nov. 27; v. 244; p. 915.
- Package-handling tool. J. B. Winters, Jr. No. 1,247,918; Nov. 27; v. 244; p. 917.
- Package, Original. W. A. Richter. No. 1,227,938; May 29; v. 238; p. 1461.
- Package, Paint-. J. W. Hasburg. No. 1,249,391; Dec. 11; v. 245; p. 309.
- Package-protector and strap-holder, Combined. E. E. Davis. No. 1,212,190; Jan. 16; v. 234; p. 686.
- Package-receiver. G. W. Donley. No. 1,235,123; July 31; v. 240; p. 1303.
- Package, Sealed wrapped. J. L. Ferguson. No. 1,249,607; Dec. 11; v. 245; p. 370.
- Package, Sealed wrapped. J. D. Reifsnnyder and W. A. Weightman. No. 1,249,495; Dec. 11; v. 245; p. 339.
- Package, Sealed wrapped. J. S. Stokes. No. 1,219,788; Mar. 20; v. 236; p. 727.
- Package, Sealed wrapped. J. S. Stokes. No. 1,249,548; Dec. 11; v. 245; p. 354.
- Package, Sealed wrapped. W. A. Weightman and C. H. Nitsch. No. 1,249,571; Dec. 11; v. 245; p. 360.
- Package-tie. H. B. Alden. No. 1,249,879; Dec. 11; v. 245; p. 452.
- Package-tie. S. J. Brion. No. 1,246,864; Nov. 20; v. 244; p. 581.
- Package-tie. D. J. Connell. No. 1,237,020; Aug. 14; v. 241; p. 514.
- Package-tie. J. W. Curry. No. 1,227,394; May 22; v. 238; p. 1249.
- Package-tie. R. C. Fuller. No. 1,225,609; May 8; v. 238; p. 569.
- Package-tie. J. D. Johnson. No. 1,221,741; Apr. 3; v. 237; p. 256.
- Package-tie. E. A. McSwiney. No. 1,223,596; Apr. 24; v. 237; p. 1009.
- Package-tie. E. V. C. Melius. No. 1,240,077; Sept. 11; v. 242; p. 457.
- Package-tie. O. L. Mertz. No. 1,241,647; Oct. 2; v. 243; p. 58.
- Package-tie. R. D. Pearson. No. 1,239,950; Sept. 11; v. 242; p. 422.
- Package-tie. L. C. Reinheimer. No. 1,247,008; Nov. 20; v. 244; p. 622.
- Package-tie. D. A. Runnion. No. 1,230,791; June 19; v. 239; p. 893.
- Package-tie. F. W. Sawtelle. No. 1,230,522; June 19; v. 239; p. 804.
- Package-tie. H. S. Smith. No. 1,220,698; Mar. 27; v. 236; p. 1084.
- Package-tie. G. W. Stout. No. 1,231,309; June 26; v. 239; p. 1106.
- Package-tie. G. W. Stout. No. 1,241,298; Sept. 25; v. 242; p. 913.
- Package-tie. J. Terrell. No. 1,244,797; Oct. 30; v. 243; p. 1179.
- Package-tie. E. Wright. No. 1,244,157; Oct. 23; v. 243; p. 948.
- Package-tie and advertising device combined. A. F. Kaufman. No. 1,233,365; July 17; v. 240; p. 670.
- Package-tie and temporary binder. T. H. Wall. No. 1,238,720; Aug. 28; v. 241; p. 1127.
- Package-tying device. J. J. Waskom. No. 1,229,690; June 12; v. 239; p. 494.
- Package-tying device. M. E. Zepp. No. 1,247,479; Nov. 20; v. 244; p. 757.
- Package-tying device. M. E. Zepp. No. 1,249,585; Dec. 11; v. 245; p. 364.
- Package-tying device, Letter-. T. O. McVey. No. 1,248,360; Nov. 27; v. 244; p. 1041.
- Package-wrapper. A. J. Hadert. No. 1,235,312; July 31; v. 240; p. 1359.
- Packages of folded material or other material, Fixture for. C. W. Morden. No. 1,219,366; Mar. 13; v. 236; p. 551.
- Packaged goods, Apparatus for treating. H. C. Shippee. No. 1,230,811; June 19; v. 239; p. 899.
- Packaging labels and the like, Mechanism for. C. Gordon. No. 1,231,028; June 26; v. 239; p. 1013.
- Packaging-machine. F. W. Lev. No. 1,218,786; Mar. 13; v. 236; p. 350.
- Packaging materials, Machine for. G. W. Gwinn. No. 1,221,313; Apr. 3; v. 237; p. 110.
- Packaging of separately-wrapped articles in a package. H. Y. Armstrong. No. 1,216,259; Feb. 20; v. 235; p. 715.
- Packer. R. T. F. Dodds. No. 1,211,105; Jan. 2; v. 234; p. 250.
- Packet-holder. D. Desplats. No. 1,239,468; Sept. 11; v. 242; p. 267.
- Packet-holder. W. L. Morris. No. 1,245,494; Nov. 6; v. 244; p. 105.
- Packing. G. P. Greenoe. No. 1,246,089; Nov. 13; v. 244; p. 313.
- Packing. T. Hall. No. 1,233,347; July 17; v. 240; p. 663.
- Packing. C. I. E. and C. R. Mastin. No. 1,245,002; Oct. 30; v. 243; p. 1242.
- Packing. N. B. Miller. No. 1,211,476; Jan. 9; v. 234; p. 410.
- Packing. C. I. E. and C. R. Mastin. No. 1,245,003; Oct. 30; v. 243; p. 1242.
- Packing and the like. E. J. Sweetland. No. 1,225,286; May 8; v. 238; p. 458.
- Packing articles. I. A. Milliron. No. 1,220,670; Mar. 27; v. 236; p. 1074.
- Packing-box boards, Joint for. W. H. Davis. No. 1,219,538; Mar. 20; v. 236; p. 641.
- Packing-case. J. A. Lafore. No. 1,226,677; May 22; v. 238; p. 1008.
- Packing catalytically-useful substances. N. Sulzberger. No. 1,223,123; Apr. 17; v. 237; p. 813.
- Packing, Cushioning device for. H. W. Thayer. No. 1,222,769; Apr. 17; v. 237; p. 692.
- Packing device. E. R. Gill. No. 1,214,451; Jan. 30; v. 234; p. 1535.
- Packing device, Pipe-joint-. M. B. Skinner. No. 1,242,380; Oct. 9; v. 243; p. 329.
- Packing expander, Piston-. G. Christenson. No. 1,222,361; Apr. 10; v. 237; p. 508.
- Packing expander, Piston-. G. Christenson. No. 1,222,362; Apr. 10; v. 237; p. 508.
- Packing expander, Piston-. G. Christenson. No. 1,222,363; Apr. 10; v. 237; p. 509.
- Packing for automobile and other axles. J. H. Drake. No. 1,237,880; Aug. 21; v. 241; p. 824.
- Packing for sleeve-valves of engines. C. T. Bangs. No. 1,222,351; Apr. 10; v. 237; p. 504.
- Packing, Making. J. R. Gammeter. No. 1,251,009; Dec. 25; v. 245; p. 875.
- Packing, Metallic. M. Harris. No. 1,232,028; July 3; v. 240; p. 166.
- Packing, Metallic. V. E. Nelson. No. 1,223,605; Apr. 24; v. 237; p. 1012.
- Packing, Metallic. H. H. Royer. No. 1,216,503; Feb. 20; v. 235; p. 801.
- Packing of magnetic objects of oblong shape, Machine for facilitating the. O. Gamper. (Reissue.) No. 1,429,0; Apr. 24; v. 237; p. 1193.
- Packing or filling for boxes, Article of manufacture suitable for use as a. A. G. Rona and A. Herfurth. No. 1,212,688; Jan. 16; v. 234; p. 867.
- Packing, Piston-. T. G. Saxton. No. 1,241,770; Oct. 2; v. 243; p. 96.
- Packing, Piston and ring. J. O. Haas. No. 1,229,258; June 12; v. 239; p. 347.
- Packing, Piston or like. E. A. Vivinus. No. 1,216,521; Feb. 20; v. 235; p. 807.
- Packing, Piston-rod. W. T. MacDonald. No. 1,211,205; Jan. 2; v. 234; p. 284.
- Packing-ring. E. F. Cook. No. 1,214,429; Jan. 30; v. 234; p. 1528.
- Packing-ring. C. H. Endebrock and W. H. Mahlow. No. 1,211,692; Jan. 9; v. 234; p. 484.
- Packing-ring. M. M. Lloyd. No. 1,213,217; Jan. 23; v. 234; p. 1081.
- Packing-ring. M. Moratta. No. 1,229,498; June 12; v. 239; p. 427.
- Packing-ring. A. J. Mummert. No. 1,210,674; Jan. 2; v. 234; p. 104.
- Packing-ring. W. M. Oldendorph. No. 1,237,545; Aug. 21; v. 241; p. 719.
- Packing-ring. M. J. Peters. No. 1,211,344; Jan. 2; v. 234; p. 331.
- Packing-ring. E. T. Westmoreland. No. 1,232,140; July 3; v. 240; p. 205.
- Packing-ring, Piston. E. F. Cook. No. 1,220,153; Mar. 20; v. 236; p. 859.
- Packing-ring, Piston. L. Kinsley. No. 1,224,751; May 1; v. 238; p. 226.
- Packing-ring, Piston. A. W. Redin. No. 1,238,191; Aug. 28; v. 241; p. 958.
- Packing-ring, Rod. C. E. Moore. No. 1,211,613; Jan. 9; v. 234; p. 457.
- Packing-ring, Rod. C. E. Moore. No. 1,239,028; Sept. 4; v. 242; p. 99.
- Packing-rings, Apparatus for demonstrating and testing piston. K. D. Holland. No. 1,241,849; Oct. 2; v. 243; p. 122.
- Packing-rings, Gripping-tool for. C. A. Rennau. No. 1,224,416; May 1; v. 238; p. 109.
- Packing, Rod-. S. L. Gary. No. 1,223,638; Apr. 24; v. 237; p. 1043.
- Packing, Rod-. F. N. Mason and J. F. Craven. No. 1,215,833; Feb. 13; v. 235; p. 511.
- Packing-stand. W. H. Beckman. No. 1,238,248; Aug. 28; v. 241; p. 977.
- Packing strip, Joint-. J. F. White. No. 1,210,575; Jan. 2; v. 234; p. 68.
- Packing stuffing-boxes, Means for. W. G. Bley. No. 1,243,917; Oct. 23; v. 243; p. 877.
- Packing, Valve-. J. E. Bevington. No. 1,239,866; Sept. 11; v. 242; p. 396.
- Packing, Valve-stem. F. W. Pomeroy. No. 1,234,084; July 17; v. 240; p. 902.
- Pad: See—
- Corn-pad.
- Gripper-pad.
- Heating-pad.
- Heel-pad.
- Inking-pad.
- Neck-pad.
- Pedal-pad.
- Polishing-pad.
- Portable pad.
- Recoil-pad.
- Rouge-pad.
- Spring-pad.
- Truss-pad.

- Pad and clip assembling machine. A. J. Lewis, A. E. McClain, W. O. Skeen, and J. O. Massey. No. 1,241,863; Oct. 2; v. 243; p. 125.
- Pad for lower limbs. N. Matragos. No. 1,244,527; Oct. 30; v. 243; p. 1097.
- Pad-holder. T. P. Edwards. No. 1,229,730; June 12; v. 239; p. 505.
- Pad-holder. F. A. Fuller. No. 1,215,643; Feb. 13; v. 235; p. 444.
- Pad-holder. O. S. Gauch. No. 1,236,698; Aug. 14; v. 241; p. 410.
- Pad-holder and ticket-punch. Combined. C. T. Raschick. No. 1,228,046; May 29; v. 238; p. 1500.
- Pad-holder, Illuminable. T. Robins. No. 1,211,759; Jan. 9; v. 234; p. 506.
- Padding for use in making bullet-proof clothing, armor, shields, and the like, Manufacturing. A. Gower. No. 1,226,767; May 22; v. 238; p. 1039.
- Paddle. F. A. Hause. No. 1,233,876; July 17; v. 240; p. 837.
- Paddle-wheel, Feathering. O. E. Thompson. No. 1,225,287; May 8; v. 238; p. 458.
- Paddle-wheel or propeller, Feathering. D. Lindsay. No. 1,246,289; Nov. 13; v. 244; p. 373.
- Padlock. F. M. Devereaux. No. 1,235,772; Aug. 7; v. 241; p. 79.
- Padlock. S. R. Fraim. No. 1,243,151; Oct. 16; v. 243; p. 608.
- Padlock. J. F. Lemon. No. 1,246,287; Nov. 13; v. 244; p. 372.
- Padlock. P. Salvatore. No. 1,246,472; Nov. 13; v. 244; p. 429.
- Padlock. E. J. Shipman. No. 1,248,561; Dec. 4; v. 245; p. 40.
- Padlock. O. M. Thomas. No. 1,233,145; July 10; v. 240; p. 564.
- Padlock, Combination-. W. H. Sanders. No. 1,219,490; Mar. 20; v. 236; p. 623.
- Padlock, Combination-. J. R. Somers. No. 1,245,052; Oct. 30; v. 243; p. 1256.
- Padlock, Keyless. J. A. Ferguson. No. 1,234,454; July 24; v. 240; p. 1061.
- Padlock, Keyless. J. Karin. No. 1,223,983; Apr. 24; v. 237; p. 1144.
- Padlock, Keyless. J. Landeen. No. 1,226,895; May 22; v. 238; p. 1081.
- Padlock, Permutation-. G. W. Bonney. No. 1,224,595; May 1; v. 238; p. 172.
- Padlock, Permutation-. E. M. O. Descalles. No. 1,222,082; Apr. 10; v. 237; p. 408.
- Padlock, Permutation-. R. J. Herendeen. No. 1,231,157; June 26; v. 239; p. 1057.
- Padlock, Permutation-. F. A. Herman. No. 1,224,168; May 1; v. 238; p. 19.
- Padlock, Permutation-. A. S. Hulden. No. 1,218,084; Mar. 6; v. 236; p. 68.
- Padlock, Permutation-. C. W. Peterson. No. 1,241,435; Sept. 25; v. 242; p. 952.
- Padlock, Permutation-. J. B. Raff. No. 1,227,826; May 29; v. 238; p. 1425.
- Padlock, Permutation-. J. E. Ryon. No. 1,222,145; Apr. 10; v. 237; p. 431.
- Padlock-protector. W. F. A. Bowers. No. 1,220,941; Mar. 27; v. 236; p. 1165.
- Padlock-protector. T. H. Ellington. No. 1,248,293; Nov. 27; v. 244; p. 1023.
- Padlock-shield. L. B. Ankovitz. No. 1,244,404; Oct. 23; v. 243; p. 1022.
- Padlock-switch. S. F. Briggs. No. 1,220,174; Mar. 27; v. 236; p. 901.
- Padlocks, Key-center for. J. Hoover and G. M. Miller. No. 1,242,443; Oct. 9; v. 243; p. 349.
- Pail, Collapsible. S. A. Milbauer. No. 1,232,827; July 10; v. 240; p. 460.
- Pail, Combination dinner-. F. K. Delzell. No. 1,227,893; May 29; v. 238; p. 1448.
- Pail-cover, Detachable. C. S. Shepard. No. 1,242,378; Oct. 9; v. 243; p. 329.
- Pail, Dinner-. A. E. Corbitt. No. 1,232,227; July 3; v. 240; p. 232.
- Pail, Dinner-. W. H. Doncaster. No. 1,229,912; June 12; v. 239; p. 566.
- Pail, Garbage-. V. Morton. No. 1,218,574; Mar. 6; v. 236; p. 237.
- Pail, Milk-. E. L. Canty. No. 1,221,673; Apr. 3; v. 237; p. 232.
- Pail, Milk-. W. G. Parmele. No. 1,221,583; Apr. 3; v. 237; p. 204.
- Pail, Milk-. H. Wilson. No. 1,218,147; Mar. 6; v. 236; p. 90.
- Pail, Sanitary milk-. T. S. Catlin. No. 1,217,564; Feb. 27; v. 235; p. 1212.
- Pail, Sanitary milk-. C. A. Larson. No. 1,245,932; Nov. 6; v. 244; p. 238.
- Pail, Scrubbing-. K. T. Maclin. No. 1,219,017; Mar. 13; v. 236; p. 432.
- Pail, Shipping-. H. L. Staley and W. B. Simmons. No. 1,225,520; May 8; v. 238; p. 537.
- Pail, Toilet-. S. M. Spencer. No. 1,227,336; May 22; v. 238; p. 1231.
- Pail top, Milk-. A. J. Donze. No. 1,236,277; Aug. 7; v. 241; p. 240.
- Pail, Vacuum dinner-. B. J. C. Bruegger. No. 1,231,562; July 3; v. 240; p. 7.
- Pails or the like, Device for supporting. W. A. Osley. No. 1,228,813; June 5; v. 239; p. 150.
- Paint. G. R. Strickle. No. 1,234,816; July 31; v. 240; p. 1206.
- Paint. L. S. Tarrant. No. 1,247,900; Nov. 27; v. 244; p. 913.
- Paint and making same. A. G. Betts. No. 1,213,330; Jan. 23; v. 234; p. 1122.
- Paint and making same. J. Jacobs. No. 1,226,889; May 22; v. 238; p. 1080.
- Paint and making same. W. A. West. No. 1,241,067; Sept. 25; v. 242; p. 838.
- Paint and pigment and making same, Titanium-oxid. L. E. Barton. No. 1,251,170; Dec. 25; v. 245; p. 921.
- Paint and varnish, Composition for removing. J. P. Kelly and H. F. Reid. No. 1,219,559; Mar. 20; v. 236; p. 649.
- Paint and varnish, Removing. F. B. Casmire. No. 1,230,668; June 19; v. 239; p. 853.
- Paint and varnish solvent. J. S. Patty. No. 1,235,721; Aug. 7; v. 241; p. 61.
- Paint-box and support. R. H. Couper. No. 1,212,188; Jan. 16; v. 234; p. 685.
- Paint composition. W. J. and J. N. Black. No. 1,225,105; May 8; v. 238; p. 398.
- Paint composition. G. C. Hicks. No. 1,215,022; Feb. 6; v. 235; p. 191.
- Paint composition. S. A. Leavitt. No. 1,239,190; Sept. 4; v. 242; p. 150.
- Paint composition. T. McConnell. No. 1,238,797; Sept. 4; v. 242; p. 24.
- Paint composition. O. H. Shultz. No. 1,229,337; June 12; v. 239; p. 374.
- Paint composition. W. E. Wright. No. 1,226,934; May 22; v. 238; p. 1095.
- Paint for coating metallic surfaces subject to high temperatures. G. E. Rieck. No. 1,227,071; May 22; v. 238; p. 1144.
- Paint, Luminous. G. A. H. Muller. No. 1,237,368; Aug. 21; v. 241; p. 662.
- Paint or enameling material, Making a. L. Ornstein. No. 1,222,980; Apr. 17; v. 237; p. 764.
- Paint-removing compound and making the same. F. E. Fosson. No. 1,223,518; Apr. 24; v. 237; p. 983.
- Paint-strainer. E. M. Rosenthal. No. 1,224,213; May 1; v. 238; p. 34.
- Paint, Submarine or under-water. L. S. Tarrant. No. 1,247,901; Nov. 27; v. 244; p. 913.
- Paint transparent, Composition for rendering oil-. B. S. Reed. No. 1,245,968; Nov. 6; v. 244; p. 248.
- Painted, varnished, or filled surfaces, Refinishing. V. E. Starnier. No. 1,240,616; Sept. 18; v. 242; p. 663.
- Painting and drying apparatus. A. S. Anderson. No. 1,238,619; Aug. 28; v. 241; p. 1097.
- Painting apparatus. C. Rust. No. 1,217,071; Feb. 20; v. 235; p. 994.
- Painting, Fine art of. J. W. Hasburg. No. 1,249,390; Dec. 11; v. 245; p. 309.
- Painting-machine. F. D. Stowe. No. 1,239,738; Sept. 11; v. 242; p. 354.
- Painting-machine, Centrifugal. J. J. Ulrich. No. 1,245,407; Nov. 6; v. 244; p. 79.
- Painting porous surfaces. R. S. Perry. No. 1,239,953; Sept. 11; v. 242; p. 423.
- Painting, Preparing metal for. J. H. Gravell. No. 1,211,138; Jan. 2; v. 234; p. 259.
- Painting tire-casings, Machine for. J. F. Zimmerman. No. 1,218,155; Mar. 6; v. 236; p. 93.
- Pajamas. J. P. Van Kirk. No. 1,227,347; May 22; v. 238; p. 1234.
- Pajamas, Union-. B. C. Stephenson. No. 1,211,002; Jan. 2; v. 234; p. 216.
- Pamphlet-cover. W. A. Niver. No. 1,244,886; Oct. 30; v. 243; p. 1207.
- Pamphlet-coverer. C. A. Juengst. No. 1,244,861; Oct. 30; v. 243; p. 1199.
- Pan: See—
- Ash-pan.
 - Bake-pan.
 - Baking-pan.
 - Bed-pan.
 - Cake-pan.
 - Cake-molding pan.
 - Dish-pan.
 - Dust-pan.
 - Evaporating-pan.
 - Frying-pan.
 - Gold-saving pan.
 - Locomotive ash-pan.
 - Multiple pan.
 - Night-soil pan.
 - Oil-pan.
 - Scale-pan.
 - Sewing-machine drip-pan.
 - Shampoo-pan.
 - Threshing-machine grain-pan.
 - Vacuum-pan.
- Pan and jar lifter. O. W. Cropley. No. 1,215,253; Feb. 6; v. 235; p. 269.
- Pan-cover. E. F. Stackhouse. No. 1,212,833; Jan. 16; v. 234; p. 915.
- Pan-lifter. E. E. Stanfield. No. 1,227,849; May 29; v. 238; p. 1433.
- Pan lifter and drainer, Combined. C. O. Roe. No. 1,219,779; Mar. 20; v. 236; p. 724.
- Pane-fastening. A. G. Peters. No. 1,223,609; Apr. 24; v. 237; p. 1014.
- Pane, Transparent. O. Goetzke. No. 1,224,530; May 1; v. 238; p. 148.
- Panel-board and lining-strip supporting means. E. A. Olley. No. 1,225,997; May 15; v. 238; p. 741.

- Panel-board construction. F. L. Benzon. No. 1,248,603; Dec. 4; v. 245; p. 53.
- Panel-boards, Electrical appliance for. R. E. Jones. No. 1,218,407; Mar. 6; v. 236; p. 180.
- Panel construction. E. C. Dittmar. No. 1,247,381; Nov. 20; v. 244; p. 728.
- Panel, Control-. A. J. Horton. No. 1,227,790; May 29; v. 238; p. 1412.
- Panel, Self-actuating safety-. H. F. Krantz. No. 1,248,431; Nov. 27; v. 244; p. 1060.
- Panel structure. W. Siebert. No. 1,223,431; Apr. 24; v. 237; p. 950.
- Panels made of enameled or vitrified sheet metal designed to be used as covering means for railways, carriages, tramways, automobiles, and the like, Manufacture of. A. Meyer. No. 1,221,562; Apr. 3; v. 237; p. 198.
- Panic-bolt dog. N. B. Hurd. No. 1,213,105; Jan. 16; v. 234; p. 1009.
- Panoramic tilting device. E. Schneider. No. 1,214,226; Jan. 30; v. 234; p. 1457.
- Pantograph engraving-machine. W. H. Hope. No. 1,219,311; Mar. 13; v. 236; p. 531.
- Pantograph-machine. W. H. Hope. No. 1,219,310; Mar. 13; v. 236; p. 531.
- Pantograph trolleys, Control system for. W. Schaake and A. H. Candee. No. 1,224,216; May 1; v. 238; p. 36.
- Pantographic apparatus. T. Macdonald. No. 1,229,111; June 5; v. 239; p. 247.
- Pants-stretcher. W. Taylor. No. 1,232,994; July 10; v. 240; p. 514.
- Paper. J. E. Baum, Jr. No. 1,230,095; June 19; v. 239; p. 661.
- Paper. E. Thomas. No. 1,243,780; Oct. 23; v. 243; p. 834.
- Paper absorbent material for surgical and sanitary purposes. A. B. Lilley. No. 1,225,833; May 15; v. 238; p. 686.
- Paper and card gathering and jogging device. W. C. Dill. No. 1,232,776; July 10; v. 240; p. 444.
- Paper and fabric. A. Eichler. No. 1,218,599; Mar. 6; v. 236; p. 245.
- Paper and making same, Testing and indicating. A. A. Freeman. No. 1,216,303; Feb. 20; v. 235; p. 731.
- Paper and making the same. E. F. Millard. No. 1,244,116; Oct. 23; v. 243; p. 936.
- Paper and the like, Apparatus for making containers of. F. E. Neubert. No. 1,248,381; Nov. 27; v. 244; p. 1047.
- Paper and the like, Container-core for rolls of. A. G. Burtis. No. 1,214,750; Feb. 6; v. 235; p. 94.
- Paper and the like, Feeding mechanism for webs of. E. P. Jennings, Jr. No. 1,235,805; Aug. 7; v. 241; p. 90.
- Paper and the like, Machine for cutting and interfolding sheets of. L. A. Straubel. No. 1,242,262; Oct. 9; v. 243; p. 292.
- Paper and the like, Manufacture of. C. W. Fish. No. 1,229,924; June 12; v. 239; p. 570.
- Paper and the like, Mechanism for producing a transparent panel in. W. E. Swift. No. 1,232,121; July 3; v. 240; p. 199.
- Paper bag. E. N. Simoneaux. No. 1,221,614; Apr. 3; v. 237; p. 214.
- Paper-bag machine. F. H. Berold, Jr. No. 1,212,178; Jan. 16; v. 234; p. 681.
- Paper-bag machine. J. Duvall. No. 1,249,354; Dec. 11; v. 245; p. 299.
- Paper-bag-making machine. J. H. Bartlett. No. 1,218,356; Mar. 6; v. 236; p. 163.
- Paper bags, Making. C. B. Sanders. No. 1,249,510; Dec. 11; v. 245; p. 344.
- Paper bags or like receptacles, Apparatus for making. W. Rose. No. 1,220,276; Mar. 27; v. 236; p. 936.
- Paper barrel. R. S. Bolger. No. 1,210,406; Jan. 2; v. 234; p. 9.
- Paper barrel or keg. J. F. Craven. No. 1,234,633; July 24; v. 240; p. 1117.
- Paper-bending machine. C. W. Mears. No. 1,222,437; Apr. 10; v. 237; p. 535.
- Paper-board, Cellular. J. J. Hinde. No. 1,238,668; Aug. 28; v. 241; p. 1112.
- Paper-board, Dual-facing machine for corrugated. J. N. Hahn. No. 1,228,430; June 5; v. 239; p. 19.
- Paper-board, Making. C. S. Bird and G. R. Wyman. No. 1,216,055; Feb. 13; v. 235; p. 592.
- Paper-board, Manufacture of. M. L. Twomley. No. 1,243,013; Oct. 16; v. 243; p. 566.
- Paper bottle. F. Coates. No. 1,218,984; Mar. 13; v. 236; p. 421.
- Paper-bottle machines, Neck-forming mechanism for. W. F. Regan. No. 1,222,135; Apr. 10; v. 237; p. 427.
- Paper bottles, Manufacture of. J. G. V. Lang. No. 1,230,177; June 19; v. 239; p. 690.
- Paper box. H. Furste. No. 1,251,008; Dec. 25; v. 245; p. 874.
- Paper box. H. A. Johnson. No. 1,211,857; Jan. 9; v. 234; p. 543.
- Paper box. S. Kislovitz. No. 1,213,135; Jan. 16; v. 234; p. 1018.
- Paper box. F. List. No. 1,247,848; Nov. 27; v. 244; p. 898.
- Paper box. H. C. Meyer. No. 1,250,610; Dec. 18; v. 245; p. 706.
- Paper box. P. R. Warren. No. 1,226,150; May 15; v. 238; p. 794.
- Paper box. W. M. Williams. No. 1,221,785; Apr. 3; v. 237; p. 271.
- Paper box-blanks, Machine for making. H. Inman and F. M. Joslin. No. 1,225,131; May 8; v. 238; p. 406.
- Paper boxes, Machine for use in applying paper coverings or coatings to. A. E. Holmes. No. 1,237,250; Aug. 14; v. 241; p. 585.
- Paper boxes, Machine for use in the manufacture of. A. F. Brooks. No. 1,212,182; Jan. 16; v. 234; p. 683.
- Paper boxes, Making. H. W. Jones. No. 1,236,443; Aug. 14; v. 241; p. 325.
- Paper boxes, Making. H. W. Jones. No. 1,236,444; Aug. 14; v. 241; p. 325.
- Paper cap. F. L. Lattimore. No. 1,247,415; Nov. 20; v. 244; p. 738.
- Paper cape, Waterproof-. J. A. Gavin. No. 1,220,088; Mar. 20; v. 236; p. 833.
- Paper, cardboard, and the like, Sizing. A. H. Haefner. No. 1,231,153; June 26; v. 239; p. 1056.
- Paper carton. L. W. Farmer. No. 1,224,726; May 1; v. 238; p. 218.
- Paper cartons, Manufacture of. R. F. Arnott. No. 1,221,649; Apr. 3; v. 237; p. 224.
- Paper chart. M. H. Avram. No. 1,234,852; July 31; v. 240; p. 1217.
- Paper-clip. F. J. Klein. No. 1,218,276; Mar. 6; v. 236; p. 137.
- Paper-clip. W. F. Peet. No. 1,227,193; May 22; v. 238; p. 1185.
- Paper-clip. R. J. Smeeton. No. 1,223,630; Apr. 24; v. 237; p. 1022.
- Paper-clip. J. L. Washburne. No. 1,242,620; Oct. 9; v. 243; p. 407.
- Paper cone. W. T. Wilson. No. 1,211,514; Jan. 9; v. 234; p. 423.
- Paper container. H. R. Heyl. No. 1,233,356; July 17; v. 240; p. 667.
- Paper container. W. T. Wilson. No. 1,226,293; May 15; v. 238; p. 847.
- Paper container and dispenser, Interleaved. M. M. Cohn. No. 1,236,055; Aug. 7; v. 241; p. 171.
- Paper container and the like. W. L. Wright. No. 1,235,750; Aug. 7; v. 241; p. 71.
- Paper container-bodies, Apparatus for forming. W. L. Wright. No. 1,213,054; Jan. 16; v. 234; p. 991.
- Paper-controlling device. D. M. Leen and A. Boomersine. No. 1,213,771; Jan. 23; v. 234; p. 1271.
- Paper counting and delivering mechanism. S. Halvorsen. No. 1,232,422; July 3; v. 240; p. 293.
- Paper-creasing device. A. Newhouse. No. 1,229,312; June 12; v. 239; p. 365.
- Paper cup. G. J. Bohlman. No. 1,245,313; Nov. 6; v. 244; p. 52.
- Paper-cup holder. J. R. Klin. No. 1,239,277; Sept. 4; v. 242; p. 180.
- Paper-curing machine. E. M. Barnes. No. 1,215,760; Feb. 13; v. 235; p. 484.
- Paper-curing machine. C. Rahsskopf. No. 1,223,613; Apr. 24; v. 237; p. 1015.
- Paper cut-outs, Machine for making wall-. W. F. Marresford. No. 1,223,893; Apr. 24; v. 237; p. 1115.
- Paper-cutter or like machine. H. G. Fisher. No. 1,243,276; Oct. 16; v. 243; p. 646.
- Paper cutters or knives, Attachment for. C. D. Conner. No. 1,216,950; Feb. 20; v. 235; p. 953.
- Paper-cutting machine. D. T. Wadhams. No. 1,236,508; Aug. 14; v. 241; p. 346.
- Paper-cutting machines, Auxiliary stack-guide for. C. F. W. Thomas. No. 1,251,454; Dec. 25; v. 245; p. 1004.
- Paper decoration. W. A. Rich, Jr. No. 1,248,916; Dec. 4; p. 245; p. 143.
- Paper-dispensing device. F. L. Updike. No. 1,226,928; May 22; v. 238; p. 1093.
- Paper-dispensing holder. F. H. Moore. No. 1,242,019; Oct. 2; v. 243; p. 176.
- Paper doll. G. Ferguson. No. 1,231,145; June 26; v. 239; p. 1053.
- Paper drinking-cup. W. E. Swift. No. 1,224,809; May 1; v. 238; p. 246.
- Paper-drying machinery. G. E. Preston, I. G. Palmer, and O. S. Winesburg. No. 1,216,359; Feb. 20; v. 235; p. 749.
- Paper-edge guide. A. C. Roebuck and A. J. Pruszyński. No. 1,217,638; Feb. 27; v. 235; p. 1240.
- Paper, fabric, or the like not sensitive to acids or alkalis. M. Fehring. No. 1,233,334; July 17; v. 240; p. 659.
- Paper-fastener. H. F. Clark. No. 1,233,983; July 17; v. 240; p. 872.
- Paper-fastener. J. C. Hawkins. No. 1,232,541; July 10; v. 240; p. 367.
- Paper-fastener. A. O. Irwin. No. 1,211,158; Jan. 2; v. 234; p. 267.
- Paper-fastener. T. S. Merrill. No. 1,236,336; Aug. 7; v. 241; p. 257.
- Paper-fastener. L. Oppenheim. No. 1,250,843; Dec. 18; v. 245; p. 626.
- Paper-fastener. I. Rittenhouse. No. 1,233,912; July 17; v. 240; p. 848.
- Paper-fastener. I. Rittenhouse. No. 1,238,568; Aug. 28; v. 241; p. 1082.
- Paper-fastening fool. W. A. Bernard. No. 1,229,213; June 12; v. 239; p. 331.

- Paper-feed. E. W. Myers. No. 1,211,615; Jan. 9; v. 234; p. 457.
- Paper-feed-controlling apparatus. T. J. Beregh, Jr. No. 1,228,173; May 29; v. 238; p. 1541.
- Paper-feed device. E. B. Hess. No. 1,213,193; Jan. 23; v. 234; p. 1072.
- Paper-feeder. G. B. McCormack. No. 1,240,464; Sept. 18; v. 242; p. 619.
- Paper-feeding device. H. C. Gillespie. No. 1,242,343; Oct. 9; v. 243; p. 318.
- Paper-feeding device. H. R. Rahn and F. Meyers. No. 1,229,137; June 5; v. 239; p. 256.
- Paper-feeding device. J. P. Reiridon. No. 1,218,118; Mar. 6; v. 236; p. 81.
- Paper-feeding machine. A. P. Greene. No. 1,213,626; Jan. 23; v. 234; p. 1224.
- Paper-feeding machine. H. Hallstream. No. 1,237,032; Aug. 14; v. 241; p. 518.
- Paper-feeding machine. H. Hallstream. No. 1,246,264; Nov. 13; v. 244; p. 365.
- Paper-feeding machine. F. B. Lockton. No. 1,237,348; Aug. 21; v. 241; p. 656.
- Paper-feeding mechanism. A. Block. No. 1,230,456; June 19; v. 239; p. 782.
- Paper-feeding mechanism. S. Halvorsen. No. 1,235,518; July 31; v. 240; p. 1421.
- Paper-feeding mechanism. H. C. Harvey. No. 1,238,138; Aug. 28; v. 241; p. 940.
- Paper-feeding mechanism. H. C. Harvey. No. 1,246,592; Nov. 13; v. 244; p. 465.
- Paper-feeding register. F. G. Jahn. No. 1,232,318; July 3; v. 240; p. 261.
- Paper hanger-bowls. Holder for. L. W. Farmer. No. 1,214,906; Feb. 6; v. 235; p. 148.
- Paper-holder. L. A. Nichols. No. 1,250,339; Dec. 18; v. 245; p. 625.
- Paper-holder. W. B. and F. M. Pierce. No. 1,237,812; Aug. 21; v. 241; p. 803.
- Paper-folding machine. W. M. Philippie. No. 1,222,459; Apr. 10; v. 237; p. 542.
- Paper-folding machines. Signature-marking means for. C. U. Gilson. No. 1,212,623; Jan. 16; v. 234; p. 841.
- Paper for metallic styli. Waterproof writing-. S. Kuroki. No. 1,234,045; July 17; v. 240; p. 891.
- Paper from a stack. Device for the delivery of single sheets of. A. Bachwitz. No. 1,248,786; Dec. 4; v. 245; p. 106.
- Paper-hanger's kit. S. Fazzini. No. 1,223,161; Apr. 17; v. 237; p. 827.
- Paper-hanger's prop. M. Klais. No. 1,229,976; June 12; v. 239; p. 586.
- Paper-hanger's tool. J. Ketola. No. 1,247,119; Nov. 20; v. 244; p. 654.
- Paper-hanger's tool. C. A. Kramer. No. 1,218,670; Mar. 13; v. 236; p. 308.
- Paper-hanger's tool-bag. H. Sparrow. No. 1,217,357; Feb. 27; v. 235; p. 1137.
- Paper-hanging machine. A. J. Hitch. No. 1,225,731; May 8; v. 238; p. 609.
- Paper hat. E. L. Henderson. No. 1,239,483; Sept. 11; v. 242; p. 272.
- Paper-holder. J. H. Ananson. No. 1,241,897; Oct. 2; v. 243; p. 138.
- Paper-holder. E. G. Dayeh. No. 1,245,322; Nov. 6; v. 244; p. 54.
- Paper-holder. A. J. Farrell. No. 1,229,430; June 12; v. 239; p. 405.
- Paper-holder. A. J. Farrell. No. 1,229,431; June 12; v. 239; p. 405.
- Paper-holder. M. Feddern. No. 1,240,691; Sept. 18; v. 242; p. 687.
- Paper holder and cutter. P. V. Nebergall. No. 1,231,415; June 26; v. 239; p. 1143.
- Paper holder, Roll-. E. J. Bloom. No. 1,220,064; Mar. 20; v. 236; p. 824.
- Paper-holder, Spring. M. E. Ziege. No. 1,248,981; Dec. 4; v. 245; p. 161.
- Paper holder, Toilet-. J. R. Boyle. No. 1,226,453; May 15; v. 238; p. 897.
- Paper holder, Toilet-. F. Dulle. No. 1,238,278; Aug. 28; v. 241; p. 987.
- Paper holder, Toilet-. J. T. Sheridan. No. 1,214,231; Jan. 30; v. 234; p. 1459.
- Paper holder, Towel-. R. N. Shelley. No. 1,224,224; May 1; v. 238; p. 39.
- Paper-holding clamp. H. E. Leininger. No. 1,218,675; Mar. 13; v. 236; p. 309.
- Paper-holding clip. E. Baltzley. No. 1,236,654; Aug. 14; v. 241; p. 395.
- Paper, Incorporating filling material in. G. W. Miles. No. 1,228,580; June 5; v. 239; p. 70.
- Paper-jogging device. S. M. Wilson. No. 1,236,892; Aug. 14; v. 241; p. 471.
- Paper-lift for drawers and the like. R. Nortvig. No. 1,241,429; Sept. 25; v. 242; p. 951.
- Paper-loading machine. J. G. Hardie. No. 1,213,359; Jan. 23; v. 234; p. 1132.
- Paper-machine. C. E. Pope. No. 1,214,712; Feb. 6; v. 235; p. 82.
- Paper, Machine for making cut-out wall-. R. Diehl. No. 1,223,942; Apr. 24; v. 237; p. 1130.
- Paper, Machine for making cut-out wall-. W. F. Marresford. No. 1,223,892; Apr. 24; v. 237; p. 1115.
- Paper, Machine for making loose-leaf ledger-. H. Brown. No. 1,231,698; July 3; v. 240; p. 55.
- Paper, Machine for making plaited. E. Littman. No. 1,233,377; July 17; v. 240; p. 674.
- Paper machine, Wall-. E. C. Baeck. No. 1,250,761; Dec. 18; v. 245; p. 750.
- Paper-machines, Doctor-vibrating device for. A. H. Kunzelman. No. 1,221,338; Apr. 3; v. 237; p. 119.
- Paper-machines, Split shaft for use on. J. Hundhausen. No. 1,242,807; Oct. 9; v. 243; p. 465.
- Paper-making. A. Brannon. No. 1,237,864; Aug. 21; v. 241; p. 819.
- Paper, &c. Making fiber for. V. Drevozen. No. 1,229,422; June 12; v. 239; p. 403.
- Paper-making machine. R. F. Murray. No. 1,240,589; Sept. 18; v. 242; p. 655.
- Paper-making machines, Apparatus for use in. C. G. Oberley. No. 1,237,374; Aug. 21; v. 241; p. 664.
- Paper-making machines, Automatic stuff-box for. M. Jakab. No. 1,251,381; Dec. 25; v. 245; p. 983.
- Paper-making machines, Electrical control for. C. Stickle. No. 1,213,968; Jan. 30; v. 234; p. 1369.
- Paper-making machines, Heat control for. C. Stickle. No. 1,242,387; Oct. 9; v. 243; p. 332.
- Paper-making machines, Press-roll for. J. A. White. No. 1,222,501; Apr. 10; v. 237; p. 567.
- Paper-making machines, Roll for. H. R. Farnsworth. No. 1,239,895; Sept. 11; v. 242; p. 405.
- Paper, Making moisture-resistant wall-. J. A. Ross. No. 1,218,474; Mar. 6; v. 236; p. 202.
- Paper manufacture, Apparatus for preparing resin size for. R. Kniffer and W. A. Oppen. No. 1,215,034; Feb. 6; v. 235; p. 195.
- Paper, Manufacture of a. J. Gernaert. No. 1,210,790; Jan. 2; v. 234; p. 142.
- Paper, Marking. H. Brown. No. 1,231,697; July 3; v. 240; p. 54.
- Paper-marking device. H. Brown. No. 1,248,258; Nov. 27; v. 244; p. 1013.
- Paper, Marking photographic. R. S. Becker. No. 1,210,400; Jan. 2; v. 234; p. 7.
- Paper, Mechanism for interleaving. H. P. Brown and C. L. Johnston. No. 1,219,238; Mar. 13; v. 236; p. 506.
- Paper, Mechanism for interleaving. H. P. Brown and C. L. Johnston. No. 1,222,261; Apr. 10; v. 237; p. 472.
- Paper, Method of and apparatus for disintegrating and decoloring. S. Waring and H. A. Hauptli. No. 1,245,839; Nov. 6; v. 244; p. 212.
- Paper, Method of and means for drying. A. H. White. No. 1,232,141; July 3; v. 240; p. 205.
- Paper, Multiply. T. Scherf. No. 1,250,230; Dec. 18; v. 245; p. 592.
- Paper-opening device for newspaper-stuffing machines. S. Halvorsen. No. 1,234,897; July 31; v. 240; p. 1232.
- Paper or cardboard feeding mechanism. C. H. Heywood and D. E. Travis. No. 1,218,861; Mar. 13; v. 236; p. 379.
- Paper or like material, Machine for marking continuous strips of. R. Kundert. No. 1,217,318; Feb. 27; v. 235; p. 1124.
- Paper, Ornamenting coated. M. A. T. Gilbee. No. 1,212,934; Jan. 16; v. 234; p. 949.
- Paper package. D. L. Koontz. No. 1,227,802; May 29; v. 238; p. 1416.
- Paper pasting and trimming machine, Wall-. W. J. Beach. No. 1,213,728; Jan. 23; v. 234; p. 1257.
- Paper-picker. L. H. Orson. No. 1,234,794; July 31; v. 240; p. 1200.
- Paper-press. L. C. Gruber. No. 1,246,913; Nov. 20; v. 244; p. 596.
- Paper press, Waste-. W. J. Palm. No. 1,242,232; Oct. 9; v. 243; p. 283.
- Paper protector, Wall-. W. S. Thompson. No. 1,213,977; Jan. 30; v. 234; p. 1372.
- Paper pulley. W. D. Hamerstadt. No. 1,223,165; Apr. 17; v. 237; p. 828.
- Paper-pulp apparatus. W. H. Harding, Jr. No. 1,213,866; Jan. 30; v. 234; p. 1335.
- Paper-pulp-lap-folding machine. W. Goodell. No. 1,231,520; June 26; v. 239; p. 1175.
- Paper-pulp, Manufacturing. T. Marusawa. No. 1,244,525; Oct. 30; v. 243; p. 1096.
- Paper-pulp-straining machine. W. W. Beaumont. No. 1,237,280; Aug. 21; v. 241; p. 633.
- Paper, rags, and the like. Means for handling waste. R. J. McGill. No. 1,236,376; Aug. 7; v. 241; p. 269.
- Paper receptacle. H. Hill. No. 1,217,599; Feb. 27; v. 235; p. 1225.
- Paper receptacle. H. A. House. No. 1,229,751; June 12; v. 239; p. 512.
- Paper receptacle. H. A. House. No. 1,230,090; June 12; v. 239; p. 623.
- Paper receptacle. H. F. Lowe and P. Brackett. No. 1,233,802; July 17; v. 240; p. 813.
- Paper receptacle. W. W. and C. G. McClay. No. 1,234,917; July 31; v. 240; p. 1240.
- Paper-receptacle closure. E. F. Hulbert. No. 1,213,648; Jan. 23; v. 234; p. 1231.
- Paper receptacles, Forming closures for. E. F. Hulbert. No. 1,249,095; Dec. 4; v. 245; p. 193.
- Paper receptacles, Machine for making. F. H. Vick. No. 1,226,034; May 15; v. 238; p. 755.

- Paper-reel brake. A. Du Brul. No. 1,242,927; Oct. 16; v. 243; p. 538.
- Paper-reinforcing machine. C. H. Howard. No. 1,211,848; Jan. 9; v. 234; p. 539.
- Paper-reinforcing machine. C. H. Howard. No. 1,211,849; Jan. 9; v. 234; p. 540.
- Paper-reinforcing machine. C. H. Howard. No. 1,211,850; Jan. 9; v. 234; p. 540.
- Paper-reinforcing machine. C. H. Howard. No. 1,211,851; Jan. 9; v. 234; p. 541.
- Paper-reinforcing machine. C. H. Howard. No. 1,211,852; Jan. 9; v. 234; p. 541.
- Paper-removing machine. A. B. Russell. No. 1,242,479; Oct. 9; v. 243; p. 361.
- Paper-roll holder. O. B. Taylor. No. 1,243,569; Oct. 16; v. 243; p. 732.
- Paper-roll holder and printing device. C. H. O'Connor. No. 1,226,243; May 15; v. 238; p. 827.
- Paper-roll holder, Toilet-. J. Good. No. 1,224,106; Apr. 24; v. 237; p. 1185.
- Paper-roll protector. L. B. Heard. No. 1,218,179; Mar. 6; v. 236; p. 101.
- Paper-roll-supporting mechanism. H. A. W. Wood. No. 1,242,506; Oct. 9; v. 243; p. 369.
- Paper-rolls, Holder and severing device for. C. W. Lyman. No. 1,246,446; Nov. 13; v. 244; p. 420.
- Paper-rolls, Shaft for. G. F. Pickett. No. 1,223,104; Apr. 17; v. 237; p. 807.
- Paper-rolls to a roll-shaft, Means for securing. C. C. Krohn. No. 1,244,865; Oct. 30; v. 243; p. 1200.
- Paper, Safety-. E. E. Schmidt. No. 1,217,076; Feb. 20; v. 235; p. 995.
- Paper salt and spice shaker. F. Ishikawa. No. 1,234,340; July 24; v. 240; p. 1023.
- Paper-seasoning machine. L. Jr., and C. F. Traung and A. J. Bengal. No. 1,234,423; July 24; v. 240; p. 1052.
- Paper, Shaping. A. H. Dreux. No. 1,221,846; Apr. 10; v. 237; p. 326.
- Paper sheets, Anticurling device for. F. J. Gubelman. No. 1,210,465; Jan. 2; v. 234; p. 30.
- Paper shoe, Roll-. W. A. Norman. No. 1,242,966; Oct. 16; v. 243; p. 551.
- Paper-size and making same. J. A. De Cew. No. 1,223,480; Apr. 24; v. 237; p. 968.
- Paper, Sizing. R. Clavel. No. 1,211,288; Jan. 2; v. 234; p. 314.
- Paper-sizing apparatus. W. H. Sanburn. No. 1,240,154; Sept. 11; v. 242; p. 481.
- Paper spoons, Means for making. A. J. Frankland. No. 1,227,534; May 22; v. 238; p. 1296.
- Paper starter, Roll-. A. T. Bousquet. No. 1,249,311; Dec. 11; v. 245; p. 287.
- Paper-stock from cereal straw, Making. J. E. Lappen. No. 1,236,723; Aug. 14; v. 241; p. 419.
- Paper-stock machine. O. H. Folsom. No. 1,236,281; Aug. 7; v. 241; p. 241.
- Paper-stock, Means and process for refining. P. R. Thom. No. 1,217,528; Feb. 27; v. 235; p. 1200.
- Paper-stock shredder. F. E. Saecker. No. 1,224,960; May 8; v. 238; p. 348.
- Paper-stock-shredding machine. W. H. Scott. No. 1,233,514; July 17; v. 240; p. 720.
- Paper strip, Machine for making a weavable. R. Kron. No. 1,219,958; Mar. 20; v. 236; p. 787.
- Paper strips, Machine for notching. E. Jagenberg. No. 1,235,691; Aug. 7; v. 241; p. 52.
- Paper-tape folder. W. H. McBride. No. 1,234,188; July 24; v. 240; p. 974.
- Paper, Toilet-. J. M. W. Kitchen. No. 1,224,650; May 1; v. 238; p. 190.
- Paper, Toilet-. A. G. Rona. No. 1,231,429; June 26; v. 239; p. 1147.
- Paper towel and tissue machine. H. P. Brown and C. L. Johnston. No. 1,219,239; Mar. 13; v. 236; p. 507.
- Paper-towel and toilet-paper fixture. N. S. Hillyard. No. 1,224,378; May 1; v. 238; p. 95.
- Paper trimmer, Wall-. C. F. Sheldon. No. 1,232,398; July 3; v. 240; p. 286.
- Paper trimming and cutting machine, Wall-. V. R. Brown. No. 1,231,845; July 3; v. 240; p. 104.
- Paper tubes, Machine and method for making. W. F. Whitcome. No. 1,225,091; May 8; v. 238; p. 393.
- Paper twine, Machine for the manufacture of. A. Dymock. No. 1,241,943; Oct. 2; v. 243; p. 151.
- Paper-walled vessel. B. K. Ford. No. 1,243,658; Oct. 16; v. 243; p. 760.
- Paper, Waterproof. H. Buffington. No. 1,240,934; Sept. 25; v. 242; p. 798.
- Paper webs or sheets, Static-electricity dissipator for. H. M. Barber. No. 1,244,015; Oct. 23; v. 243; p. 906.
- Paper webs, Smoothing device for wet. S. R. Wagg. No. 1,211,259; Jan. 2; v. 234; p. 304.
- Paper, Winding-reel for. C. E. Pope. No. 1,248,542; Dec. 4; v. 245; p. 33.
- Paper wrapping-cord, Device for producing. J. F. Auer. No. 1,219,421; Mar. 20; v. 236; p. 600.
- Paper yarn, Spinning-machine for making. J. Plichta. No. 1,221,374; Apr. 3; v. 237; p. 131.
- Papering pressed cloth or the like, Process and apparatus for. H. Krantz. No. 1,235,814; Aug. 7; v. 241; p. 93.
- Parachute. E. R. Calthrop. No. 1,213,332; Jan. 23; v. 234; p. 1122.
- Parachute. E. R. Calthrop. No. 1,246,874; Nov. 20; v. 244; p. 583.
- Parachute. J. A. MacLean. No. 1,233,087; July 10; v. 240; p. 544.
- Parachute. A. Ranson. No. 1,244,129; Oct. 23; v. 243; p. 939.
- Parachute for aviators, Safety-. K. P. Togstad. No. 1,227,344; May 22; v. 238; p. 1234.
- Parachute, Safety navigable marine. J. J. Reynolds. No. 1,249,829; Dec. 11; v. 245; p. 437.
- Paraffin powder and making it. A. E. Nienstadt. No. 1,239,618; Sept. 11; v. 242; p. 315.
- Paraffin, wax, fats and resins, naphtha and mineral oils, products dissoluble in water or forming with it colloidal solutions, Obtaining from. G. Petroff. No. 1,230,599; June 19; v. 239; p. 831.
- Paraffinum, liquidum, Making. H. V. Dunham. No. 1,240,792; Sept. 18; v. 242; p. 719.
- Paralleling instrument. C. Nishi. No. 1,216,596; Feb. 20; v. 235; p. 835.
- Parcel-carrier. T. H. Spurrier. No. 1,243,638; Oct. 16; v. 243; p. 755.
- Parcel-carrier, Folding. E. G. Rust. No. 1,218,702; Mar. 13; v. 236; p. 320.
- Paring and coring machine. W. M. Luther. No. 1,246,127; Nov. 13; v. 244; p. 324.
- Paring-machine feeder. W. M. Luther. No. 1,217,791; Feb. 27; v. 235; p. 1291.
- Paring-machine feeder. W. M. Luther. No. 1,217,872; Feb. 27; v. 235; p. 1317.
- Parting or cutting-off machine. C. H. Clifton. No. 1,248,079; Nov. 27; v. 244; p. 961.
- Partition. W. J. Kluender. No. 1,219,825; Mar. 20; v. 236; p. 740.
- Partition. C. F. Rothweiler. No. 1,211,760; Jan. 9; v. 234; p. 507.
- Partition construction. E. J. Zahner and S. W. Smith. No. 1,219,208; Mar. 13; v. 236; p. 496.
- Partition, Folding. J. T. Fairhurst. No. 1,224,155; May 1; v. 238; p. 13.
- Partition, Folding. G. W. Urmsen. No. 1,230,345; June 19; v. 239; p. 746.
- Partition, Knockdown sheet-metal. O. M. Otte. No. 1,231,289; June 26; v. 239; p. 1100.
- Partition, Sectional. J. Brogden. No. 1,236,142; Aug. 7; v. 241; p. 196.
- Partition-support. A. H. Moore and E. F. Morton. No. 1,221,205; Apr. 3; v. 237; p. 72.
- Party-line exchanges, Calling mechanism for. C. A. Anderson. No. 1,248,782; Dec. 4; v. 245; p. 105.
- Pass, frank, or form holder and writing-frame, Annual or term. E. L. Smith. (Reissue.) No. 1,425,58; Feb. 13; v. 235; p. 663.
- Pass or frank and record-writing form, Combined. E. L. Smith. No. 1,249,531; Dec. 11; v. 245; p. 349.
- Passenger-carrying device. J. B. Strauss. No. 1,235,506; July 31; v. 240; p. 1417.
- Paste drier, Alimentary-. P. De Martine. No. 1,237,874; Aug. 21; v. 241; p. 822.
- Paste-forming mold. K. Gammel. No. 1,236,555; Aug. 14; v. 241; p. 362.
- Paste-tubes, Closure for dispensing. J. A. Maker. No. 1,227,638; May 29; v. 238; p. 1360.
- Pastes, Machine for cutting dried. K. Gammel. No. 1,242,542; Oct. 9; v. 243; p. 381.
- Pastes, Process and apparatus for drying edible. A. M. Austin. No. 1,229,397; June 12; v. 239; p. 394.
- Pasteboard dispensing-package for elastic. H. A. Austin. No. 1,210,883; Jan. 2; v. 234; p. 174.
- Pasted products, Identifying. H. A. W. Wood. No. 1,216,198; Feb. 13; v. 235; p. 642.
- Pasting device. J. E. Mitchell. No. 1,227,818; May 29; v. 238; p. 1422.
- Pasting-machine. T. F. Lynch. No. 1,211,951; Jan. 9; v. 234; p. 578.
- Pasting machine, Sample-. W. C. Hadley. No. 1,229,259; June 12; v. 239; p. 347.
- Pasting sheets on boxes and parcels, Machine for. E. Jagenberg. No. 1,235,690; Aug. 7; v. 241; p. 51.
- Pasteurizer. C. H. Loew. No. 1,215,561; Feb. 13; v. 235; p. 413.
- Pasteurizer and ripener. T. L. Valerius. No. 1,232,128; July 3; v. 240; p. 201.
- Pasteurizing apparatus. H. E. Coburn. No. 1,244,704; Oct. 30; v. 243; p. 1152.
- Pasteurizing apparatus. E. M. Lundgren. No. 1,217,470; Feb. 27; v. 235; p. 1177.
- Pasteurizing apparatus. J. Willmann. No. 1,210,578; Jan. 2; v. 234; p. 69.
- Pasteurizing bottled liquids, Apparatus for. S. Volz. No. 1,226,726; May 22; v. 238; p. 1024.
- Pasteurizing, holding, and cooling means, Combined. H. M. Rudd. No. 1,214,376; Jan. 30; v. 234; p. 1512.
- Pasteurizing liquids. A. H. Wehmiller. No. 1,227,101; May 22; v. 238; p. 1154.
- Pastry-board. E. W. Hitchcock. No. 1,251,026; Dec. 25; v. 245; p. 880.
- Pastry forms, Machine for forming and baking hollow. E. H. Lanier and F. K. Driesbach. No. 1,215,556; Feb. 13; v. 235; p. 410.
- Pastry-making machine. F. A. Bruckman. No. 1,216,274; Feb. 20; v. 235; p. 720.
- Pastry-making machine. F. A. Bruckman. No. 1,216,275; Feb. 20; v. 235; p. 720.
- Pastry-making machines, Trimming mechanism for. A. E. Dieterich. No. 1,216,292; Feb. 20; v. 235; p. 726.

Alphabetical list of inventions—Continued.

- Pastry-mold. E. Davoust. No. 1,219,711; Mar. 20; v. 236; p. 701.
- Pastry-shortening, Manufacturing. E. B. Graham and R. E. Kirkham. No. 1,218,759; Mar. 13; v. 236; p. 340.
- Patch or plug for metallic structures, Repair. C. G. Ilghtower. No. 1,215,530; Feb. 13; v. 235; p. 401.
- Pattern: See—
- Sole-pattern.
- Sole-rounder pattern.
- Pattern, Adjustable. M. C. Rollins. No. 1,236,107; Aug. 7; v. 241; p. 186.
- Pattern appliance. M. A. Silz and A. Platzler. No. 1,225,187; May 8; v. 238; p. 425.
- Pattern-controlled device. E. F. Hathaway and C. D. Lanning. No. 1,225,328; May 8; v. 238; p. 474.
- Pattern gage, Adjustable axle-. W. D. Irwin. No. 1,222,404; Apr. 10; v. 237; p. 523.
- Pattern-holder. I. A. Chaikin. No. 1,236,266; Aug. 7; v. 241; p. 237.
- Pattern holder, savor, and hanger. E. Josephs. No. 1,249,411; Dec. 11; v. 245; p. 314.
- Pattern-making instrument. E. M. Jackson. No. 1,241,121; Sept. 25; v. 242; p. 853.
- Patterns for garments, Instrument for drafting. J. S. Gorton. No. 1,214,296; Jan. 30; v. 234; p. 1484.
- Pavement. H. J. Kaiser. No. 1,234,171; July 24; v. 240; p. 908.
- Pavement. M. A. Popkess. No. 1,220,681; Mar. 27; v. 236; p. 1078.
- Pavement. B. Ransome. No. 1,225,055; May 8; v. 238; p. 880.
- Pavement and armored joint-strip therefor. A. E. Davis. No. 1,241,826; Oct. 2; v. 243; p. 114.
- Pavement and making the same. M. A. Popkess. No. 1,220,682; Mar. 27; v. 236; p. 1078.
- Pavement for roadways. J. F. Morgal. No. 1,237,542; Aug. 21; v. 241; p. 717.
- Pavements, Repairing asphalt. J. T. Harrop. No. 1,230,894; June 26; v. 239; p. 966.
- Paving-block. E. J. Bartells. No. 1,222,061; Apr. 10; v. 237; p. 401.
- Paving-block. H. S. Wheeler. No. 1,244,008; Oct. 23; v. 243; p. 904.
- Paving-blocks, Anchor-strip for. G. W. Warmoth. No. 1,226,149; May 15; v. 238; p. 794.
- Paving-blocks, Producing. E. H. Benners. No. 1,239,762; Sept. 11; v. 242; p. 360.
- Paving composition and making it, Bituminous. W. B. Cowell. No. 1,239,160; Sept. 4; v. 242; p. 141.
- Paving-joint, Elastic or expandible. W. J. Moeller. No. 1,220,766; Mar. 27; v. 236; p. 1106.
- Paving-machine. P. S. Coyne. No. 1,221,689; Apr. 3; v. 237; p. 238.
- Paving material. E. J. Lovegrove and N. G. Crompton. No. 1,237,920; Aug. 21; v. 241; p. 837.
- Paving material, Forming a. M. A. Popkess. No. 1,220,680; Mar. 27; v. 236; p. 1078.
- Paving material, Machine for handling. W. A. Trinler. No. 1,217,533; Feb. 27; v. 235; p. 1202.
- Paving material, Producing. G. C. Glynn. No. 1,227,903; May 29; v. 238; p. 1452.
- Paving-mixing machine. W. F. Davis. No. 1,222,605; Apr. 17; v. 237; p. 635.
- Paving mixtures, Making. G. B. McGrath. No. 1,234,360; July 24; v. 240; p. 1030.
- Paving of roadways and the like. M. M. Dessau. No. 1,233,200; July 10; v. 240; p. 582.
- Paving-roller. J. Gratton. No. 1,237,634; Aug. 21; v. 241; p. 747.
- Pawl-and-ratchet mechanism. F. Crist. No. 1,246,555; Nov. 13; v. 244; p. 453.
- Pawl-and-ratchet mechanism. H. N. Joselyn. No. 1,239,917; Sept. 11; v. 242; p. 412.
- Pawl-and-ratchet mechanism. L. Noyes. No. 1,245,371; Nov. 6; v. 244; p. 68.
- Pawl-and-ratchet mechanism, Wear-compensating. J. Schlagel. No. 1,220,564; Mar. 27; v. 236; p. 1039.
- Pawl and the same in combination with starters for internal-combustion engines and the like, Friction-. J. R. Warren. No. 1,238,226; Aug. 28; v. 241; p. 970.
- Pawl, Trip riding-. W. J. Wheeler. No. 1,226,731; May 22; v. 238; p. 1027.
- Pay-as-you-enter gate or turnstile. J. Andreatte. No. 1,221,268; Apr. 3; v. 237; p. 95.
- Pay-roll, ledger, account or time book sheet. J. W. Marshall. No. 1,215,831; Feb. 13; v. 235; p. 510.
- Paying and recording machine. J. Raber. No. 1,217,498; Feb. 27; v. 235; p. 1189.
- Paying-machine. N. C. Ovaite. No. 1,231,781; July 3; v. 240; p. 82.
- Paying-machine. N. C. Ovaite and F. N. Rosenstengel. No. 1,213,532; Jan. 23; v. 234; p. 1191.
- Payment-in-advance meter. G. Heeley. No. 1,235,686; Aug. 7; v. 241; p. 50.
- Pea picker or harvester. W. Y. E. Davis. No. 1,214,653; Feb. 6; v. 235; p. 60.
- Pea viner, Green-. F. P. Ryder. No. 1,219,416; Mar. 13; v. 236; p. 568.
- Peas, beans, and the like, Machine for hulling. L. C. Young. No. 1,240,912; Sept. 25; v. 242; p. 790.
- Peas from refuse, Machine for separating. J. R. Mero. No. 1,224,484; May 1; v. 238; p. 133.
- Peanut-blanching machine. J. A. Franklin. No. 1,228,103; May 29; v. 238; p. 1520.
- Peanut-digger. T. E. Amos and G. J. Abernathy. No. 1,226,437; May 15; v. 238; p. 892.
- Peanut-digger. W. D. Jenkins. No. 1,248,335; Nov. 27; v. 244; p. 1034.
- Peanut-digger. V. H. Jockisch. No. 1,228,562; June 5; v. 239; p. 64.
- Peanut-picker. J. H. Macleary and S. O. Lynn. No. 1,216,149; Feb. 13; v. 235; p. 626.
- Peanut sheller or huller. H. R. Jernigan. No. 1,229,966; June 12; v. 239; p. 583.
- Peanut-shelling machine. J. T. Huston. No. 1,246,100; Nov. 13; v. 244; p. 316.
- Peanut-stripping machine. T. W. Jockisch. No. 1,250,466; Dec. 18; v. 245; p. 662.
- Peanut-warmer. H. Schmidt. No. 1,233,922; July 17; v. 240; p. 852.
- Peat and the like drying apparatus. C. D. Jenkins. No. 1,220,131; Mar. 20; v. 236; p. 850.
- Peat gasification. T. Rigby. No. 1,233,606; July 17; v. 240; p. 752.
- Peat, Treatment of. T. Rigby. No. 1,251,285; Dec. 25; v. 245; p. 954.
- Peat, Treatment of. T. Rigby. No. 1,251,422; Dec. 25; v. 245; p. 995.
- Peavey, Stevedore's. A. J. Morrow. No. 1,215,180; Feb. 6; v. 235; p. 242.
- Pecan-cracker. W. L. Black. No. 1,227,570; May 29; v. 238; p. 1338.
- Pedal. T. G. Bratsch. No. 1,227,741; May 29; v. 238; p. 1396.
- Pedal. W. S. Harley. No. 1,243,165; Oct. 16; v. 243; p. 612.
- Pedal, Accelerator-. M. A. Terry. No. 1,233,525; July 17; v. 240; p. 724.
- Pedal attachment, Adjustable-step. S. G. Van Derbeck. No. 1,214,619; Feb. 6; v. 235; p. 48.
- Pedal, Controlling-. E. R. Martino. No. 1,246,634; Nov. 13; v. 244; p. 478.
- Pedal, Extensible. E. J. Bloom. No. 1,213,825; Jan. 30; v. 234; p. 1321.
- Pedal, Extensible. E. J. Bloom. No. 1,213,826; Jan. 30; v. 234; p. 1322.
- Pedal extension. E. J. Bloom. No. 1,213,824; Jan. 30; v. 234; p. 1321.
- Pedal-pad. G. H. Rives. No. 1,216,498; Feb. 20; v. 235; p. 799.
- Pedal-pad. G. H. Rives. No. 1,218,319; Mar. 6; v. 236; p. 151.
- Pedal-pad. G. H. Rives. No. 1,243,764; Oct. 23; v. 243; p. 829.
- Pedal-plate. J. F. Pethtel. No. 1,242,370; Oct. 9; v. 243; p. 326.
- Pedestal, Adjustable. H. H. Bush. No. 1,225,573; May 8; v. 238; p. 556.
- Peeling machine, Potato-. G. Lyng. No. 1,237,251; Aug. 14; v. 241; p. 586.
- Peeling machine, Vegetable and fruit. J. Trust. No. 1,226,418; May 15; v. 238; p. 887.
- Peeling peaches or other fruits or vegetables. S. J. Dunkley. No. 1,237,623; Aug. 21; v. 241; p. 743.
- Peg-board. A. F. Miller. No. 1,221,470; Apr. 3; v. 237; p. 164.
- Peg, String-maker's. H. L. Diehl. No. 1,229,419; June 12; v. 239; p. 402.
- Pelt-stretcher. N. Long. No. 1,232,059; July 3; v. 240; p. 177.
- Pen. F. M. Ashley. No. 1,248,989; Dec. 4; v. 245; p. 163.
- Pen. H. Schmidt. No. 1,238,201; Aug. 28; v. 241; p. 962.
- Pen and pencil clip. J. L. Saxe. No. 1,224,026; Apr. 24; v. 237; p. 1159.
- Pen and pencil clip, Fountain-. G. D. Hertzler. No. 1,248,115; Nov. 27; v. 244; p. 971.
- Pen and pencil clip holder. Z. S. Floyd. No. 1,221,715; Apr. 3; v. 237; p. 248.
- Pen and pencil holder. M. R. Crossman. No. 1,228,298; May 29; v. 238; p. 1581.
- Pen attachment. I. Contant, Jr. No. 1,212,020; Jan. 9; v. 234; p. 599.
- Pen barrels, Making fountain-. H. Rickman. No. 1,210,842; Jan. 2; v. 234; p. 159.
- Pen-clip, Demountable. G. W. Heath. No. 1,247,957; Nov. 27; v. 244; p. 928.
- Pen, Drafting-. P. Berggren. No. 1,241,079; Sept. 25; v. 242; p. 840.
- Pen-extractor. E. E. Carns. No. 1,231,127; June 26; v. 239; p. 1047.
- Pen filler, Fountain-. L. S. Baluta. No. 1,249,709; Dec. 11; v. 245; p. 401.
- Pen filler, Fountain-. F. Riesenbergs. No. 1,251,421; Dec. 25; v. 245; p. 994.
- Pen, Fountain-. O. B. Andersson. No. 1,213,725; Jan. 23; v. 234; p. 1257.
- Pen, Fountain-. C. Bristow. No. 1,243,383; Oct. 16; v. 243; p. 678.
- Pen, Fountain-. W. L. Chapman. No. 1,246,232; Nov. 13; v. 244; p. 355.
- Pen, Fountain-. H. G. Craig. No. 1,237,619; Aug. 21; v. 241; p. 742.
- Pen, Fountain-. H. G. Craig. No. 1,242,323; Oct. 9; v. 243; p. 312.
- Pen, Fountain-. S. S. Crocker. No. 1,212,744; Jan. 16; v. 234; p. 886.

- Pen, Fountain-. M. Finstone. No. 1,238,657; Aug. 28; v. 241; p. 1108.
- Pen, Fountain-. M. E. Heilbrun. No. 1,231,256; June 26; v. 239; p. 1089.
- Pen, Fountain-. S. Josselyn. No. 1,214,310; Jan. 30; v. 234; p. 1490.
- Pen, Fountain-. S. Josselyn. (Reissue.) No. 1,43,997; Nov. 27; v. 244; p. 1062.
- Pen, Fountain-. R. A. Ker. No. 1,228,781; June 5; v. 239; p. 139.
- Pen, Fountain-. A. P. McArthur. No. 1,222,555; Apr. 10; v. 237; p. 577.
- Pen, Fountain-. M. W. Moore. No. 1,220,875; Mar. 27; v. 236; p. 1144.
- Pen, Fountain-. J. M. Reed. No. 1,216,732; Feb. 20; v. 235; p. 880.
- Pen, Fountain-. W. J. Ruff. No. 1,239,971; Sept. 11; v. 242; p. 427.
- Pen, Fountain-. W. J. Ruff. No. 1,239,972; Sept. 11; v. 242; p. 428.
- Pen, Fountain-. O. Shackelford. No. 1,219,675; Mar. 20; v. 236; p. 689.
- Pen, Fountain-. F. E. Storer. No. 1,247,169; Nov. 20; v. 244; p. 669.
- Pen, Fountain-. H. J. Upton. No. 1,247,037; Nov. 20; v. 244; p. 630.
- Pen, Fountain-. W. A. Welty. No. 1,212,297; Jan. 16; v. 234; p. 727.
- Pen, Fountain drafting-. L. B. Solemink. No. 1,242,062; Oct. 2; v. 243; p. 188.
- Pen, Fountain drawing-. T. J. M. Reynders. No. 1,214,072; Jan. 30; v. 234; p. 1407.
- Pen, Hog-. H. L. Ferris. No. 1,239,170; Sept. 4; v. 242; p. 144.
- Pen-holder. F. J. Gropengieser. No. 1,240,706; Sept. 18; v. 242; p. 691.
- Pen holder, Fountain-. E. F. Vilkomerson. No. 1,241,311; Sept. 25; v. 242; p. 917.
- Pen, Illuminated fountain-. E. O. Schaffer. No. 1,214,959; Feb. 6; v. 235; p. 167.
- Pen light, Fountain-. F. Rauch. No. 1,228,132; May 29; v. 238; p. 1528.
- Pen, Line-producing. J. E. Simpson. No. 1,225,067; May 8; v. 238; p. 384.
- Pen or pencil clip. G. A. Carlson. No. 1,244,291; Oct. 23; v. 243; p. 990.
- Pen, Pencil, stogie, and cigar holder. D. A. Holcomb. No. 1,213,644; Jan. 23; v. 234; p. 1230.
- Pen-point holder. C. C. McCombs. No. 1,219,337; Mar. 13; v. 236; p. 540.
- Pen, Ruling-. P. R. Good. No. 1,213,095; Jan. 16; v. 234; p. 1005.
- Pen, Self-filling fountain-. H. C. Bartlett, Jr. No. 1,217,900; Mar. 6; v. 236; p. 5.
- Pen, Self-filling fountain-. F. Riesenbergl. No. 1,249,501; Dec. 11; v. 245; p. 341.
- Pen, Self-filling fountain-. M. Shemin. No. 1,214,087; Jan. 30; v. 234; p. 1411.
- Pen, Stylographic fountain-. L. G. Nilson and J. Abegg. No. 1,244,070; Oct. 23; v. 243; p. 922.
- Pens, Attachment for fountain-. J. F. Conway. No. 1,220,824; Mar. 27; v. 236; p. 1127.
- Pens, Eraser attachment for fountain-. D. R. Markley. No. 1,218,948; Mar. 13; v. 236; p. 408.
- Pens, Fountain attachment for. M. H. and H. Marul. No. 1,221,468; Apr. 3; v. 237; p. 164.
- Pens, &c., Holder for fountain-. S. Siverson. No. 1,236,781; Aug. 14; v. 241; p. 438.
- Pens, Mounting for presser-bar-actuating lever for self-filling fountain-. E. F. Britten, Jr. No. 1,228,177; May 29; v. 238; p. 1542.
- Pens, Retaining-lip for fountain-. L. D. Van Valkenburg. No. 1,250,533; Dec. 18; v. 245; p. 683.
- Penholder. S. E. F. Bosanquet. No. 1,243,248; Oct. 16; v. 243; p. 638.
- Penholder. H. W. Henry. No. 1,231,023; June 26; v. 239; p. 1011.
- Penholder. H. R. Keyes. No. 1,231,910; July 3; v. 240; p. 126.
- Penholder. L. Storck. No. 1,234,506; July 24; v. 240; p. 1078.
- Penholder. R. R. Symons. No. 1,227,691; May 29; v. 238; p. 1378.
- Penholder and blotter, Combination. W. Wozny and P. Husak. No. 1,243,911; Oct. 23; v. 243; p. 875.
- Penholder, Ejecting-. C. W. Lair. No. 1,244,343; Oct. 23; v. 243; p. 1005.
- Penholder, Releasing-. W. E. Edwards. No. 1,236,071; Aug. 7; v. 241; p. 176.
- Penholder, Releasing-. O. Mathison. No. 1,230,312; June 19; v. 239; p. 735.
- Penholder, Releasing-. G. W. Ramer. No. 1,239,126; Sept. 4; v. 242; p. 131.
- Pencil. W. H. Krell. No. 1,245,739; Nov. 6; v. 244; p. 180.
- Pencil. C. A. Smith. No. 1,233,815; July 17; v. 240; p. 817.
- Pencil and making the same. C. A. Smith. No. 1,222,152; Apr. 10; v. 237; p. 434.
- Pencil and pen holder. J. J. Macnoriuss. No. 1,230,589; June 19; v. 239; p. 828.
- Pencil and pencil-sharpener, Combined. E. W. Hill. No. 1,228,672; June 5; v. 239; p. 100.
- Pencil attachment. R. Gosman. No. 1,244,192; Oct. 23; v. 243; p. 958.
- Pencil attachment. M. A. Grynuk. No. 1,223,579; Apr. 24; v. 237; p. 1003.
- Pencil attachment. W. P. Manuel. No. 1,236,330; Aug. 7; v. 241; p. 256.
- Pencil attachment. W. P. Manuel. No. 1,236,331; Aug. 7; v. 241; p. 256.
- Pencil attachment. F. Ziemer. No. 1,224,992; May 8; v. 238; p. 359.
- Pencil, Capped carbon. J. G. Peterson. No. 1,234,799; July 31; v. 240; p. 1202.
- Pencil-clip and pencil-sharpener, Combination. R. C. Boughton. No. 1,218,741; Mar. 13; v. 236; p. 334.
- Pencil-clutch. A. J. Arthur. No. 1,231,838; July 3; v. 240; p. 102.
- Pencil, Electric. A. E. Sickles. No. 1,216,862; Feb. 20; v. 235; p. 924.
- Pencil, Electric. J. B. Urbano. No. 1,247,038; Nov. 20; v. 244; p. 630.
- Pencil, Glue and mucilage. E. C. Berners. No. 1,223,360; Apr. 24; v. 237; p. 925.
- Pencil-holder. J. A. Eubanks. No. 1,212,034; Jan. 9; v. 234; p. 604.
- Pencil-holder. G. W. Paulus. No. 1,226,992; May 22; v. 238; p. 1118.
- Pencil-holder. T. L. Powell. No. 1,246,318; Nov. 13; v. 244; p. 382.
- Pencil-holder. H. P. Roberts. No. 1,245,972; Nov. 6; v. 244; p. 249.
- Pencil-holder. M. A. Walden. No. 1,227,099; May 22; v. 238; p. 1153.
- Pencil-holder and envelop-opener. D. Erikson. No. 1,215,010; Feb. 6; v. 235; p. 188.
- Pencil holder, Slate-. S. Magami. No. 1,244,877; Oct. 30; v. 243; p. 1204.
- Pencil, Illuminated. E. V. Kelly. No. 1,230,721; June 19; v. 239; p. 870.
- Pencil, Lead-. T. L. Mellick. No. 1,224,769; May 1; v. 238; p. 233.
- Pencil-light. M. A. Altman. No. 1,236,132; Aug. 7; v. 241; p. 194.
- Pencil, Magazine-. W. F. Duryea. No. 1,236,069; Aug. 7; v. 241; p. 175.
- Pencil, Magazine-. A. R. Tilly. No. 1,242,080; Oct. 2; v. 243; p. 194.
- Pencil, pointer. A. P. Wilson. No. 1,249,579; Dec. 11; v. 245; p. 362.
- Pencil-sharpener. J. H. Boye. No. 1,214,996; Feb. 6; v. 235; p. 182.
- Pencil-sharpener. G. Cooper. No. 1,225,412; May 8; v. 238; p. 503.
- Pencil-sharpener. W. C. Cutler. No. 1,236,823; Aug. 14; v. 241; p. 451.
- Pencil-sharpener. W. S. Doe. No. 1,233,851; July 17; v. 240; p. 830.
- Pencil-sharpener. J. Guzy. No. 1,246,419; Nov. 13; v. 244; p. 412.
- Pencil-sharpener. J. Schlichtinger and E. Krogel. No. 1,242,049; Oct. 2; v. 243; p. 184.
- Pencil sharpener and holder, Combination. C. J. W. Breland. No. 1,215,473; Feb. 13; v. 235; p. 379.
- Pencil sharpener and holder, Combined. E. V. McDonald. No. 1,210,506; Jan. 2; v. 234; p. 44.
- Pencil sharpener, Paper-. C. S. and D. Palmer. No. 1,234,686; July 24; v. 240; p. 1133.
- Pencil-sharpener device. R. Gans. No. 1,234,652; July 24; v. 240; p. 1123.
- Pencil-sharpener device. R. C. Simmons. No. 1,248,733; Dec. 4; v. 245; p. 91.
- Pencil-sharpener machine. E. P. Webster. No. 1,223,541; Apr. 24; v. 237; p. 991.
- Pencil-top. F. J. Roetker. No. 1,211,356; Jan. 2; v. 234; p. 334.
- Pencil, Vibrating retouching-. C. H. Gilbert. No. 1,245,330; Nov. 6; v. 244; p. 56.
- Pencils and penholders, Attachment for. A. C. Newman. No. 1,230,761; June 19; v. 239; p. 883.
- Pencils and penholders, Attachment for. A. C. Newman. No. 1,233,111; July 10; v. 240; p. 552.
- Pencils, Eraser-holder for. J. A. Boos. No. 1,237,013; Aug. 14; v. 241; p. 511.
- Pencils, Prick attachment for. G. N. Smith, Jr. No. 1,220,792; Mar. 27; v. 236; p. 1114.
- Pencil-guide. W. E. Aycock. No. 1,211,038; Jan. 2; v. 234; p. 229.
- Pendant, Luminous. G. B. Thomas. No. 1,230,626; June 19; v. 239; p. 840.
- Pendulum, Device for damping oscillations of a gyroscope-. M. Schuler. No. 1,228,061; May 29; v. 238; p. 1506.
- Pendulum-escapement. F. Gundorph. No. 1,222,757; Apr. 17; v. 237; p. 688.
- Pepper and salt distributor, Combined. A. Leckey. No. 1,235,985; Aug. 7; v. 241; p. 149.
- Perambulator folding seat. W. J. Stolz. No. 1,217,658; Feb. 27; v. 235; p. 1247.
- Perambulators, Sled attachment for. F. D. Kendrick. No. 1,233,792; July 17; v. 240; p. 810.
- Percentage-balance. P. E. Young. No. 1,243,790; Oct. 23; v. 243; p. 838.
- Perch, Chicken-. H. G. Brahman. No. 1,210,592; Jan. 2; v. 234; p. 74.

Alphabetical list of inventions—Continued.

- Perch, Poultry-. F. C. Wegner. No. 1,247,471; Nov. 20; v. 244; p. 754.
- Percolator. B. H. and F. L. Calkin. No. 1,242,651; Oct. 9; v. 243; p. 417.
- Percolator. L. Kalina. No. 1,232,808; July 10; v. 240; p. 455.
- Percolator. G. E. Shatto. No. 1,248,560; Dec. 4; v. 245; p. 39.
- Percolator. J. F. Smart and J. B. Griffin. No. 1,251,432; Dec. 25; v. 245; p. 998.
- Percolator, Coffee-. S. Battilani. No. 1,211,910; Jan. 9; v. 234; p. 562.
- Percolator, Coffee-. E. Mangisch and A. Rey. No. 1,226,552; May 15; v. 238; p. 928.
- Percolator, Coffee-. R. A. Parent. No. 1,231,641; July 3; v. 240; p. 31.
- Percolator, Coffee-. G. Rathman. No. 1,226,005; May 15; v. 238; p. 744.
- Percolator-screen. W. I. Morgan. No. 1,213,232; Jan. 23; v. 234; p. 1087.
- Percussion-tool, Pneumatically-operated. H. Christiansen. No. 1,227,117; May 22; v. 238; p. 1160.
- Percussive tool, Fluid-operated. L. C. Bayles. No. 1,211,049; Jan. 2; v. 234; p. 232.
- Percussive tools, Tool-retainer for. C. H. Peck. No. 1,211,219; Jan. 2; v. 234; p. 289.
- Perforated sheet. P. B. Klugh. No. 1,217,094; Feb. 20; v. 235; p. 1002.
- Perforated strips for controlling selectively-operated machines, Apparatus for producing. C. Muehleisen and C. A. Albrecht. No. 1,251,407; Dec. 25; v. 245; p. 990.
- Perforating corrugated material, Tool for. C. A. Eligh. No. 1,228,655; June 5; v. 239; p. 95.
- Perforating-machine for record-strips. L. M. Walden. No. 1,236,891; Aug. 14; v. 241; p. 471.
- Perforating machine, Pattern-. T. E. Gahan. No. 1,244,595; Oct. 30; v. 243; p. 1119.
- Perforating mechanism, Repeat. J. Powers. No. 1,242,721; Oct. 9; v. 243; p. 439.
- Perforator. H. D. Hahl and J. J. Lambert. No. 1,225,326; May 8; v. 238; p. 473.
- Perforator, Casing-. E. B. Noble. No. 1,247,140; Nov. 20; v. 244; p. 660.
- Perforator, Sanitary can-. D. E. Tweeddale. No. 1,230,344; June 19; v. 239; p. 745.
- Peripheral bands, Machine for applying. H. C. Herr. No. 1,231,889; July 3; v. 240; p. 119.
- Periscope. W. E. Kessler. No. 1,225,646; May 8; v. 238; p. 580.
- Periscope. W. Vanderlip. No. 1,250,393; Dec. 18; v. 245; p. 641.
- Periscope-glasses, Cleaning. J. A. Steinmetz. No. 1,222,156; Apr. 10; v. 237; p. 435.
- Permutation-lock. C. M. Adams. No. 1,214,109; Jan. 30; v. 234; p. 1418.
- Permutation-lock. O. Birtchold. No. 1,217,392; Feb. 27; v. 235; p. 1150.
- Permutation-lock. J. Bohannon. No. 1,237,461; Aug. 21; v. 241; p. 692.
- Permutation-lock. J. E. Christie. No. 1,236,402; Aug. 14; v. 241; p. 311.
- Permutation-lock. F. C. Eckelman. No. 1,214,441; Jan. 30; v. 234; p. 1532.
- Permutation-lock. W. C. Gilmore. No. 1,251,365; Dec. 25; v. 245; p. 979.
- Permutation-lock. L. M. Greif. No. 1,227,535; May 22; v. 238; p. 1296.
- Permutation-lock. S. P. Hatchett and G. L. Dillard. No. 1,231,524; June 26; v. 239; p. 1176.
- Permutation-lock. C. H. Hipp. No. 1,237,906; Aug. 21; v. 241; p. 833.
- Permutation-lock. E. T. Hodges. No. 1,239,010; Sept. 4; v. 242; p. 93.
- Permutation-lock. F. W. Jones and L. Glass. No. 1,240,854; Sept. 25; v. 242; p. 772.
- Permutation-lock. O. R. Kirkpatrick. No. 1,246,610; Nov. 13; v. 244; p. 47.
- Permutation-lock. O. Klein. No. 1,241,636; Oct. 2; v. 243; p. 51.
- Permutation-lock. J. H. Mattice. No. 1,217,802; Feb. 27; v. 235; p. 1294.
- Permutation-lock. J. H. Mattice. No. 1,244,064; Oct. 23; v. 243; p. 920.
- Permutation-lock. L. E. McCahan. No. 1,232,945; July 10; v. 240; p. 500.
- Permutation-lock. P. Palé. No. 1,242,848; Oct. 9; v. 243; p. 480.
- Permutation-lock. M. Perreten. No. 1,225,171; May 8; v. 238; p. 419.
- Permutation-lock. F. P. Rosback. No. 1,239,222; Sept. 4; v. 242; p. 161.
- Permutation-lock. J. Rzeszuto. No. 1,250,668; Dec. 18; v. 245; p. 722.
- Permutation-lock. B. Snyder. No. 1,251,436; Dec. 25; v. 245; p. 999.
- Permutation-lock. J. H. Teague. No. 1,238,596; Aug. 28; v. 241; p. 1090.
- Permutation-lock. R. M. and W. C. Thomas, Jr. No. 1,246,356; Nov. 13; v. 244; p. 393.
- Permutation-lock. H. A. Toussaint. No. 1,228,264; May 29; v. 238; p. 1569.
- Permutation-lock. S. Zunac. No. 1,238,617; Aug. 28; v. 241; p. 1096.
- Permutation lock for latch-levers. W. J. Reagan. No. 1,229,520; June 12; v. 239; p. 436.
- Permutation-switch. C. A. Short and H. C. Dunning. No. 1,233,133; July 10; v. 240; p. 559.
- Permutits, Regenerating. W. C. Foster. No. 1,249,368; Dec. 11; v. 245; p. 303.
- Perspective-determining instrument. E. M. Anderson. No. 1,219,212; Mar. 13; v. 236; p. 497.
- Pessary, Intra-uterine dilating-. G. D. Marshall. No. 1,223,284; Apr. 17; v. 237; p. 866.
- Petcock. F. E. Snyder and L. B. Cotterman. No. 1,250,237; Dec. 18; v. 245; p. 594.
- Petcock wrench and cleaning tool, Combination. G. F. Harris. No. 1,239,688; Sept. 11; v. 242; p. 338.
- Petroleum and other hydrocarbons, Treating. C. P. Dubbs. No. 1,231,509; June 26; v. 239; p. 1172.
- Petroleum and the distillates thereof, Apparatus for treating crude. C. B. Forward. No. 1,247,808; Nov. 27; v. 244; p. 887.
- Petroleum by decomposition of component hydrocarbons thereof, Obtaining products from. H. P. Chamberlain. No. 1,221,790; Apr. 3; v. 237; p. 273.
- Petroleum for use in smelting-furnaces, Composition of matter for adapting carbon residues from the distillation of. E. D. Kendall. No. 1,236,447; Aug. 14; v. 241; p. 326.
- Petroleum-oils, Apparatus for the manufacture of aromatic bodies from. F. W. Mann and M. L. Chappell. No. 1,249,444; Dec. 11; v. 245; p. 324.
- Petroleum-oils, Production of aromatic bodies and gas from. F. W. Mann and M. L. Chappell. No. 1,214,204; Jan. 30; v. 234; p. 1450.
- Petroleum-refining apparatus. A. F. L. Bell. No. 1,231,695; July 3; v. 240; p. 54.
- Petticoat. L. and B. Gutman. No. 1,210,466; Jan. 2; v. 234; p. 30.
- Pharmaceutical product. E. Rietz. No. 1,218,209; Mar. 6; v. 236; p. 112.
- Phase-advancer, Oscillating. G. Kapp. No. 1,236,716; Aug. 14; v. 241; p. 416.
- Phase-balancers, Regulator for. E. F. W. Alexanderson. No. 1,233,953; July 17; v. 240; p. 863.
- Phase-converters, Automatic control of. E. F. W. Alexanderson. No. 1,233,952; July 17; v. 240; p. 862.
- Phenol and other substances, Production of. J. W. Aylsworth. No. 1,213,142; Jan. 23; v. 234; p. 1054.
- Phenol, formaldehyde, and the like, Manufacturing condensation products from. K. Tarassoff. No. 1,216,515; Feb. 20; v. 235; p. 806.
- Phenol, Manufacture of. D. Tyrer. No. 1,210,726; Jan. 2; v. 234; p. 121.
- Phenols and formaldehyde, Condensation product from. L. Berend. No. 1,214,414; Jan. 30; v. 234; p. 1523.
- Phenols, formaldehyde, and salts of sulfo-acids, Obtaining solid products of condensation from. K. Tarassoff and P. Shestakoff. No. 1,237,579; Aug. 21; v. 241; p. 729.
- Phenols, Making. H. Howard. No. 1,245,343; Nov. 6; v. 244; p. 60.
- Phenols, Making. H. S. Kimball. No. 1,245,353; Nov. 6; v. 244; p. 63.
- Phenols with formaldehyde and the like, Manufacture of the products of condensation of. K. Tarassoff. No. 1,235,507; July 31; v. 240; p. 1417.
- Phenolic bodies from wood-tar oil, Producing. L. F. Hawley. (Reissue.) No. 14,388; Oct. 30; v. 243; p. 1289.
- Phenolic condensation compounds, Producing. L. V. Redman, A. J. Weith, and F. P. Brock. No. 1,242,592; Oct. 9; v. 243; p. 399.
- Phenolic condensation product and making same. L. H. Baekeland and A. H. Gotthelf. No. 1,217,115; Feb. 20; v. 235; p. 1010.
- Phonic apparatus. S. C. Porter. No. 1,242,372; Oct. 9; v. 243; p. 327.
- Phonograph. L. Cole. No. 1,244,588; Oct. 30; v. 243; p. 1117.
- Phonograph. R. A. Dunbar. No. 1,217,723; Feb. 27; v. 235; p. 1267.
- Phonograph. E. J. Griswold. No. 1,211,573; Jan. 9; v. 234; p. 443.
- Phonograph. N. H. Holland. No. 1,213,197; Jan. 23; v. 234; p. 1074.
- Phonograph. N. H. Holland. No. 1,229,749; June 12; v. 239; p. 512.
- Phonograph. L. McArthur. No. 1,249,791; Dec. 11; v. 245; p. 426.
- Phonograph. H. B. McNulty. No. 1,238,168; Aug. 28; v. 241; p. 951.
- Phonograph. F. S. Moore. No. 1,229,775; June 12; v. 239; p. 521.
- Phonograph. A. N. Pierman. No. 1,231,061; June 26; v. 239; p. 1024.
- Phonograph. I. D. Pike. No. 1,242,858; Oct. 9; v. 243; p. 483.
- Phonograph. C. B. Repp. No. 1,213,413; Jan. 23; v. 234; p. 1150.
- Phonograph. C. B. Repp. No. 1,215,410; Feb. 13; v. 235; p. 357.
- Phonograph. E. Rogers. No. 1,243,980; Oct. 23; v. 243; p. 895.
- Phonograph. M. J. Samuels. No. 1,219,164; Mar. 13; v. 236; p. 481.

- Phonograph. C. C. Shigley. No. 1,247,587; Nov. 20; v. 244; p. 787.
- Phonograph. R. Thomas. No. 1,229,346; June 12; v. 239; p. 377.
- Phonograph. M. W. Turnquist. No. 1,249,251; Dec. 4; v. 245; p. 238.
- Phonograph. G. H. Underhill. No. 1,227,023; May 22; v. 238; p. 1127.
- Phonograph. P. Weber. No. 1,220,480; Mar. 27; v. 236; p. 1010.
- Phonograph and kinetograph, Synchronous. I. Kitsee. No. 1,213,883; Jan. 30; v. 234; p. 1341.
- Phonograph and moving-picture apparatus, Combined. D. Higham. No. 1,226,883; May 22; v. 238; p. 1078.
- Phonograph and player-pianos, Drive mechanism for combined. M. Clark. No. 1,246,053; Nov. 13; v. 244; p. 302.
- Phonograph and the like. J. H. Dickinson. No. 1,242,155; Oct. 9; v. 243; p. 259.
- Phonograph and the like. H. B. Tremaine and E. S. Votey. No. 1,248,757; Dec. 4; v. 245; p. 98.
- Phonograph attachment. W. A. Atkinson. No. 1,236,248; Aug. 7; v. 241; p. 232.
- Phonograph attachment. F. L. Barrows. No. 1,225,560; May 8; v. 238; p. 551.
- Phonograph attachment. F. L. Barrows. No. 1,225,561; May 8; v. 238; p. 552.
- Phonograph, Automatic disk repeating. L. M. Flagg. No. 1,236,920; Aug. 14; v. 241; p. 481.
- Phonograph-brake. F. Kraft. No. 1,214,181; Jan. 30; v. 234; p. 1441.
- Phonograph-brake. A. A. J. M. Nielsen. No. 1,235,720; Aug. 7; v. 241; p. 61.
- Phonograph-brake. J. Wittek. No. 1,238,240; Aug. 28; v. 241; p. 974.
- Phonograph-cabinet. S. L. Hartman. No. 1,227,536; May 22; v. 238; p. 1296.
- Phonograph-cabinets, Tone-modulating shutter for. H. A. Sage. No. 1,232,094; July 3; v. 240; p. 189.
- Phonograph-diaphragm. H. D. Penney. No. 1,236,476; Aug. 14; v. 241; p. 335.
- Phonograph-disk stop device. A. F. Ireton. No. 1,218,569; Mar. 6; v. 236; p. 231.
- Phonograph, Divided-horn. J. Roever. No. 1,216,501; Feb. 20; v. 235; p. 801.
- Phonograph driving and speed-regulating mechanism. S. R. MacLane. No. 1,221,074; Apr. 3; v. 237; p. 25.
- Phonograph driving and speed-regulating mechanism. S. R. MacLane. No. 1,221,075; Apr. 3; v. 237; p. 25.
- Phonograph-horns, Counterbalance for. A. A. Huseby. No. 1,241,119; Sept. 25; v. 242; p. 853.
- Phonograph-illuminating appliance. M. H. Gaba. No. 1,249,374; Dec. 11; v. 245; p. 304.
- Phonograph-kinetoscope apparatus. R. A. Fessenden. No. 1,213,176; Jan. 23; v. 234; p. 1067.
- Phonograph-machine, automatic stop mechanism. M. B. Selter. No. 1,244,551; Oct. 30; v. 243; p. 1106.
- Phonograph-motor. J. H. Dooley. No. 1,246,401; Nov. 13; v. 244; p. 407.
- Phonograph, Multiple-horn. J. Roever. No. 1,216,500; Feb. 20; v. 235; p. 800.
- Phonograph-needle cutter. B. B. Blood. No. 1,211,532; Jan. 9; v. 234; p. 430.
- Phonograph-record. O. C. Schroeder. No. 1,243,987; Oct. 23; v. 243; p. 897.
- Phonograph-record cabinet. H. G. La Sor. No. 1,242,563; Oct. 9; v. 243; p. 388.
- Phonograph-record cleaner and lubricator. C. Palmer. No. 1,225,847; May 15; v. 238; p. 691.
- Phonograph-record cleaner and protector. E. L. Christian. No. 1,249,720; Dec. 11; v. 245; p. 404.
- Phonograph-record holder. J. B. Barlow. No. 1,238,735; Sept. 4; v. 242; p. 5.
- Phonograph-records, Album for holding. G. Rottman. No. 1,248,922; Dec. 4; v. 245; p. 145.
- Phonograph-records, Automatic stop for. S. G. Alexander. No. 1,240,401; Sept. 18; v. 242; p. 599.
- Phonograph-records, Making. J. W. Aylesworth. No. 1,230,816; June 19; v. 239; p. 901.
- Phonograph-records, Molding. B. F. Philpot. No. 1,248,541; Dec. 4; v. 245; p. 33.
- Phonograph recorder and reproducer. H. G. Pape. No. 1,218,799; Mar. 13; v. 236; p. 356.
- Phonograph repeater attachment. G. L. Minns. No. 1,214,352; Jan. 30; v. 234; p. 1503.
- Phonograph repeating attachment. L. Angello. No. 1,224,995; May 8; v. 238; p. 360.
- Phonograph-reproducer. F. Cheney. No. 1,231,329; June 26; v. 239; p. 1113.
- Phonograph-reproducer. A. N. Pierman. No. 1,211,874; Jan. 9; v. 234; p. 549.
- Phonograph sound-box. J. C. Kulp. No. 1,229,197; June 5; v. 239; p. 276.
- Phonograph-sound-box connection. C. S. Burton. No. 1,247,219; Nov. 20; v. 244; p. 683.
- Phonograph-sound-box connection. C. S. Burton. No. 1,247,220; Nov. 20; v. 244; p. 684.
- Phonograph speed-regulator. A. Ruckgaber. No. 1,212,692; Jan. 16; v. 234; p. 868.
- Phonograph speed-regulator. A. Ruckgaber. No. 1,212,693; Jan. 16; v. 234; p. 868.
- Phonograph-spring fastener. H. Benson. No. 1,246,382; Nov. 13; v. 244; p. 402.
- Phonograph-stop. W. E. Cleveland. No. 1,225,579; May 8; v. 238; p. 559.
- Phonograph-stop. F. A. Nolan. No. 1,230,763; June 19; v. 239; p. 884.
- Phonograph-stop. F. A. Nolan. No. 1,230,764; June 19; v. 239; p. 884.
- Phonograph-stop. F. A. Nolan. No. 1,230,765; June 19; v. 239; p. 885.
- Phonograph-stop mechanism. W. R. Boyer. No. 1,225,217; May 8; v. 238; p. 435.
- Phonograph stopping and releasing mechanism, Automatic. W. S. O'Brien. No. 1,248,533; Dec. 4; v. 245; p. 30.
- Phonograph-stopping mechanism. W. A. Luckér. No. 1,214,806; Feb. 6; v. 235; p. 111.
- Phonograph-table. A. Epri. No. 1,220,967; Mar. 27; v. 236; p. 1173.
- Phonograph tone-arm. W. G. Adams. No. 1,236,644; Aug. 14; v. 241; p. 391.
- Phonograph-tone-arm connection. J. Matson. No. 1,243,853; Oct. 23; v. 243; p. 857.
- Phonograph-tone-arm connection. J. Matson. No. 1,243,854; Oct. 23; v. 243; p. 857.
- Phonograph-tone-arm joint. M. Clark. No. 1,240,943; Sept. 25; v. 242; p. 800.
- Phonograph-transmitter. H. C. Egerton. No. 1,246,895; Nov. 20; v. 244; p. 590.
- Phonograph turn-table. J. P. Leach. No. 1,214,191; Jan. 30; v. 234; p. 1445.
- Phonograph-winder. R. S. Irvine. No. 1,236,176; Aug. 7; v. 241; p. 208.
- Phonographs, Annotator for commercial. M. L. Hunter and A. B. Church. No. 1,216,232; Feb. 13; v. 235; p. 654.
- Phonographs, Annotator for commercial. M. L. Hunter and A. B. Church. No. 1,230,485; June 19; v. 239; p. 791.
- Phonographs, Automatic brake mechanism for. F. H. Adams. No. 1,212,872; Jan. 16; v. 234; p. 928.
- Phonographs, Automatic stop for. J. E. Soons. No. 1,227,304; May 22; v. 238; p. 1230.
- Phonographs, Automatic stop mechanism for. A. Nielsen. No. 1,222,974; Apr. 17; v. 237; p. 762.
- Phonographs, Multiple-disk record for. N. B. Wolcott. No. 1,213,990; Jan. 30; v. 234; p. 1377.
- Phonographs or talking-machines, Cabinet for. C. J. Lundstrom. No. 1,249,646; Dec. 11; v. 245; p. 382.
- Phonographs, Record-cleaning attachment for. J. and W. Worthington. No. 1,242,751; Oct. 9; v. 243; p. 448.
- Phonographs, Repeating device for. W. E. Cleveland. No. 1,223,149; Apr. 17; v. 237; p. 823.
- Phonographs, Reproducer for. P. S. Sorensen. No. 1,241,673; Oct. 2; v. 243; p. 65.
- Phonographs, Silent pawl for. J. H. Dooley. No. 1,246,402; Nov. 13; v. 244; p. 407.
- Phonographs, Sound-post mounting for. J. G. Nolen. No. 1,242,227; Oct. 9; v. 243; p. 281.
- Phonographs, Speed-regulator for. A. Ruckgaber. No. 1,241,887; Oct. 2; v. 243; p. 134.
- Phonographic attachment. E. F. McDonald, Jr. No. 1,217,794; Feb. 27; v. 235; p. 1292.
- Phonographic-disk-record cabinet. C. D. McVay. No. 1,219,975; Mar. 20; v. 236; p. 793.
- Phonographic-disk-record holder. M. G. Nelles. No. 1,235,362; July 31; v. 240; p. 1374.
- Phonographic needle. F. L. Wood. No. 1,246,694; Nov. 13; v. 244; p. 494.
- Phonographic reproducer. E. G. Smith. No. 1,240,504; Sept. 18; v. 242; p. 631.
- Phonographic reproducers, Attachment for. E. Gollmer. No. 1,219,934; Mar. 20; v. 236; p. 779.
- Phonographic responding and receiving device, Automatic. F. Seelau. No. 1,222,895; Apr. 17; v. 237; p. 735.
- Phonographic stylus. F. Ries. No. 1,222,139; Apr. 10; v. 237; p. 429.
- Phonographic time-announcer. J. G. Blessing. No. 1,227,523; May 22; v. 238; p. 1293.
- Phosgene, Manufacturing. N. L. G. Whitehouse. No. 1,231,226; June 26; v. 239; p. 1080.
- Phosphate, Making dicalcium. W. Glaeser. No. 1,235,025; July 31; v. 240; p. 1273.
- Phosphate-rock, Treating. H. H. Meyers. No. 1,246,636; Nov. 13; v. 244; p. 478.
- Phosphoric acid and compounds of the same, Apparatus for the manufacture of. W. H. Waggaman, H. Bryan, and C. R. Wagner. No. 1,241,791; Oct. 2; v. 243; p. 102.
- Photo and type printing machine, Combination. C. Kesses. No. 1,228,784; June 5; v. 239; p. 140.
- Photo-engraving method. W. Eppers. No. 1,234,888; July 31; v. 240; p. 1229.
- Photograph-case. J. P. Koller. No. 1,215,036; Feb. 6; v. 235; p. 196.
- Photograph-case. G. E. McCormack. No. 1,214,477; Jan. 30; v. 234; p. 1543.
- Photograph-holder. A. S. Spiegel. No. 1,211,497; Jan. 9; v. 234; p. 417.
- Photograph-mount. E. N. Lodge. No. 1,220,354; Mar. 27; v. 236; p. 966.
- Photographs, Mount for. J. Blyth. No. 1,249,713; Dec. 11; v. 245; p. 402.

Alphabetical list of inventions—Continued.

- Photographs, Mounting. C. W. Laurell. No. 1,215,170; Feb. 6; v. 235; p. 239.
- Photographs or films, Producing color. F. E. Ives. No. 1,248,864; Dec. 4; v. 245; p. 130.
- Photographs, Producing multicolored. A. R. Lawshe. No. 1,248,139; Nov. 27; v. 244; p. 978.
- Photographic apparatus. H. J. Gaisman. No. 1,230,399; June 19; v. 239; p. 762.
- Photographic apparatus. H. J. Gaisman. No. 1,238,505; Aug. 28; v. 241; p. 1061.
- Photographic apparatus. H. J. Gaisman. No. 1,249,612; Dec. 11; v. 245; p. 372.
- Photographic apparatus. O. V. Greene. No. 1,236,928; Aug. 14; v. 241; p. 484.
- Photographic apparatus. E. N. Millan. No. 1,249,291; Dec. 4; v. 245; p. 250.
- Photographic apparatus. J. A. Ricketts. No. 1,250,354; Dec. 18; v. 245; p. 629.
- Photographic apparatus. W. Verbeck. No. 1,228,722; June 5; v. 239; p. 118.
- Photographic apparatus, Automatic shutter-operating device for. S. Nagy. No. 1,212,383; Jan. 16; v. 234; p. 756.
- Photographic apparatus, Film - spool - holding mechanism for. J. A. Maker. No. 1,214,936; Feb. 6; v. 235; p. 159.
- Photographic apparatus, Light-controlling mechanism for. W. C. Huebner. No. 1,222,766; Apr. 17; v. 237; p. 691.
- Photographic developing apparatus. F. A. Binder. No. 1,213,489; Jan. 23; v. 234; p. 1176.
- Photographic developing apparatus. J. S. Greene. No. 1,216,440; Feb. 20; v. 235; p. 780.
- Photographic developing apparatus. J. S. Greene. No. 1,225,803; May 15; v. 238; p. 676.
- Photographic developing apparatus. J. S. Greene. No. 1,229,945; June 12; v. 239; p. 576.
- Photographic developing apparatus. R. Kroedel. No. 1,237,657; Aug. 21; v. 241; p. 755.
- Photographic developing apparatus. S. A. Mischansky. No. 1,222,654; Apr. 17; v. 237; p. 653.
- Photographic developing-tank and rack. B. M. Dickson. No. 1,234,641; July 24; v. 240; p. 1119.
- Photographic emulsions, Recovery of silver from weak. F. F. Renwick and B. V. Storr. No. 1,234,390; July 24; v. 240; p. 1040.
- Photographic emulsions, Recovery of silver from weak. F. F. Renwick and B. V. Storr. No. 1,234,391; July 24; v. 240; p. 1040.
- Photographic exposure-meter. J. T. MacCurdy. No. 1,241,133; Sept. 25; v. 242; p. 858.
- Photographic exposures, Method of and device for designating. H. J. Gaisman. No. 1,238,506; Aug. 28; v. 241; p. 1061.
- Photographic film. F. E. Ives. No. 1,240,344; Sept. 18; v. 242; p. 581.
- Photographic film. F. W. Lovejoy. No. 1,213,514; Jan. 23; v. 234; p. 1185.
- Photographic film. F. W. Lovejoy. No. 1,232,702; July 10; v. 240; p. 419.
- Photographic-film cartridge. H. Gindele. No. 1,212,137; Jan. 9; v. 234; p. 638.
- Photographic-film cartridge. H. Gindele. No. 1,240,355; Sept. 18; v. 242; p. 578.
- Photographic-film cartridge. H. L. Gray. No. 1,225,951; May 15; v. 238; p. 726.
- Photographic-film cartridge. B. H. Meyering. No. 1,225,988; May 15; v. 238; p. 739.
- Photographic-film pack. A. A. Ruttan and C. E. Hutchings. No. 1,219,588; Mar. 20; v. 236; p. 658.
- Photographic film, Sensitive. J. E. Brandenberger. No. 1,221,825; Apr. 10; v. 237; p. 318.
- Photographic-film support. C. F. Barr and W. R. Miller. No. 1,214,408; Jan. 30; v. 234; p. 1522.
- Photographic films, Aerial carrier for. W. F. Folmer. No. 1,238,904; Sept. 4; v. 242; p. 59.
- Photographic films, Apparatus for treating. J. I. Crabtree. No. 1,225,929; May 15; v. 238; p. 719.
- Photographic films, Developing and fixing tank for. G. Hanlon. No. 1,243,403; Oct. 16; v. 243; p. 683.
- Photographic flash-light apparatus. W. B. Poynter. No. 1,210,834; Jan. 2; v. 234; p. 156.
- Photographic images, Coloring or dyeing. H. Miller. No. 1,214,940; Feb. 6; v. 235; p. 160.
- Photographic indicating device. A. C. Stewart. No. 1,211,780; Jan. 9; v. 234; p. 513.
- Photographic lighting. R. John. No. 1,216,696; Feb. 20; v. 235; p. 867.
- Photographic mask. O. M. Morris. No. 1,248,695; Dec. 4; v. 245; p. 79.
- Photographic material, Method and apparatus for marking. A. A. Ruttan. No. 1,236,007; Aug. 7; v. 241; p. 157.
- Photographic media, Eliminating salts of the weak sulfur acids from fixed. S. H. Weinhandler and J. S. Simson. No. 1,224,984; May 8; v. 238; p. 356.
- Photographic-negative-retouching device. J. R. Mettler and G. M. Laffoon. No. 1,232,589; July 10; v. 240; p. 382.
- Photographic negatives, Apparatus for the production of. E. H. Farmer. No. 1,231,581; July 3; v. 240; p. 14.
- Photographic negatives, Improving. A. Boularan dit Deval. No. 1,245,152; Nov. 6; v. 244; p. 4.
- Photographic paper. A. C. McCloskey. No. 1,213,925; Jan. 30; v. 234; p. 1355.
- Photographic pictures, Apparatus for producing. J. E. Thornton. No. 1,223,447; Apr. 24; v. 237; p. 955.
- Photographic pictures, Producing colored. C. Raleigh and W. V. D. Kelley. No. 1,217,425; Feb. 27; v. 235; p. 1161.
- Photographic-plate holder. S. A. Mischansky. No. 1,236,201; Aug. 7; v. 241; p. 217.
- Photographic-plate holder. A. A. Ruttan and C. E. Hutchings. No. 1,227,203; May 22; v. 238; p. 1188.
- Photographic plates, Apparatus for developing or intensifying. L. D. Nesbit. No. 1,233,109; July 10; v. 240; p. 551.
- Photographic plates or films, Apparatus for washing or developing. R. Kersten. No. 1,234,346; July 24; v. 240; p. 1025.
- Photographic-print-toning apparatus. P. M. Taylor. No. 1,216,748; Feb. 20; v. 235; p. 886.
- Photographic-print-washing machine. E. Crusey. No. 1,240,425; Sept. 18; v. 242; p. 606.
- Photographic prints from separate supports to a single support, Transferring. P. D. Brewster. No. 1,224,442; May 1; v. 238; p. 119.
- Photographic prints, Mask for making. C. W. Wilson. No. 1,247,051; Nov. 20; v. 244; p. 634.
- Photographic prints or the like, Apparatus for drying. V. C. Teneau. No. 1,227,092; May 22; v. 238; p. 1151.
- Photographic-printing apparatus. W. C. Huebner. No. 1,216,518; Feb. 20; v. 235; p. 736.
- Photographic-printing apparatus. J. K. Knapp. No. 1,231,173; June 26; v. 239; p. 1062.
- Photographic-printing apparatus. J. E. Thornton. No. 1,213,037; Jan. 16; v. 234; p. 985.
- Photographic-printing apparatus. J. G. Warren. No. 1,249,699; Dec. 11; v. 245; p. 598.
- Photographic-printing device. W. Allen. No. 1,232,164; July 3; v. 240; p. 212.
- Photographic-printing device. E. C. Sterling. No. 1,230,532; June 19; v. 239; p. 807.
- Photographic-printing frame. E. Johnson. No. 1,217,005; Feb. 20; v. 235; p. 973.
- Photographic-printing machine. F. W. Barkley. No. 1,243,685; Oct. 23; v. 243; p. 801.
- Photographic-printing machine. J. A. Chadderton. No. 1,232,219; July 3; v. 240; p. 229.
- Photographic-printing machine. W. F. Folmer. No. 1,230,392; June 19; v. 239; p. 760.
- Photographic-printing machine. J. H. Fullmer and R. W. Runser. No. 1,225,729; May 8; v. 238; p. 608.
- Photographic-printing machine. T. E. Halldorson. No. 1,228,912; June 5; v. 239; p. 183.
- Photographic-printing machine. F. W. Norton. No. 1,247,565; Nov. 20; v. 244; p. 780.
- Photographic-printing machine. W. W. Wonner and C. W. Simon. No. 1,211,993; Jan. 9; v. 234; p. 592.
- Photographic-printing paper and transfer process. F. W. Kent. No. 1,228,680; June 5; v. 239; p. 104.
- Photographic projections in colors, Film for. A. Keller-Dorian. No. 1,214,552; Feb. 6; v. 235; p. 24.
- Photographic screen. A. F. Wolber. No. 1,226,838; May 22; v. 238; p. 1063.
- Photographic shutter. R. Klein and T. Brueck. No. 1,215,284; Feb. 6; v. 235; p. 279.
- Photographic shutter. P. J. Marks. No. 1,214,699; Feb. 6; v. 235; p. 77.
- Photographic shutter. P. J. Marks. No. 1,234,061; July 17; v. 240; p. 896.
- Photographic shutter. P. J. Marks. No. 1,238,422; Aug. 28; v. 241; p. 1034.
- Photographic shutter. P. J. Marks. No. 1,239,025; Sept. 4; v. 242; p. 98.
- Photographic shutter. P. J. Marks. No. 1,243,086; Oct. 16; v. 243; p. 591.
- Photographic shutter. A. Wollensak. No. 1,214,250; Jan. 30; v. 234; p. 1466.
- Photographic shutter. A. Wollensak. No. 1,238,471; Aug. 28; v. 241; p. 1050.
- Photographic shutters, Controlling mechanism for. P. J. Marks. No. 1,240,073; Sept. 11; v. 242; p. 456.
- Photographic shutters, Release mechanism for. A. Wollensak. No. 1,235,273; July 31; v. 240; p. 1347.
- Photographic uses, Coating material for paper for. G. W. Leighton and C. S. Babcock. No. 1,225,146; May 8; v. 238; p. 411.
- Photographic view-finder. G. W. Miller. No. 1,219,129; Mar. 13; v. 236; p. 470.
- Photographically-sensitive elements, Method of and means for producing designations on. H. J. Gaisman. No. 1,238,504; Aug. 28; v. 241; p. 1060.
- Photographically-sensitized medium. A. E. Jacobson. No. 1,219,739; Mar. 20; v. 236; p. 710.
- Photographing and developing apparatus. G. C. Beidler. No. 1,222,596; Apr. 17; v. 237; p. 632.
- Photographing and developing apparatus. G. C. Beidler. No. 1,222,597; Apr. 17; v. 237; p. 632.
- Photographing devices, Shutter for. L. P. Carhart. No. 1,232,768; July 10; v. 240; p. 442.
- Photographing-machines, Coin-controlling mechanism for automatic. G. N. Pifer. No. 1,229,515; June 12; v. 239; p. 434.
- Photography. A. Herz. No. 1,213,485; Jan. 23; v. 234; p. 1175.
- Photography, Color. H. Hess. No. 1,225,246; May 8; v. 238; p. 443.

- Photography, Color. F. E. Ives. No. 1,238,775; Sept. 4; v. 242; p. 17.
- Photography, Color. F. E. Ives. No. 1,247,116; Nov. 20; v. 244; p. 653.
- Photography, Color. M. J. Wohl and M. Mayer. No. 1,211,904; Jan. 9; v. 234; p. 560.
- Photography, Color-carrier for color. I. Kitsee. No. 1,221,457; Apr. 3; v. 237; p. 160.
- Photography, Film or the like for color. C. Raleigh and W. V. D. Kelley. No. 1,216,493; Feb. 20; v. 235; p. 798.
- Photomechanical screen. J. A. H. Hatt. No. 1,235,894; Aug. 7; v. 241; p. 120.
- Photometer. F. W. Adsit. No. 1,244,159; Oct. 23; v. 243; p. 948.
- Photometer. C. Laing. No. 1,218,946; Mar. 13; v. 236; p. 407.
- Photomicrographic apparatus. R. L. Watkins. No. 1,214,851; Feb. 6; v. 235; p. 126.
- Photoprinting-machine. G. Croston. No. 1,212,022; Jan. 9; v. 234; p. 600.
- Photoprinting-machine. W. H. Fribley. No. 1,246,579; Nov. 13; v. 244; p. 462.
- Photoprinting-machine. F. L. Stuber. No. 1,223,214; Apr. 17; v. 237; p. 844.
- Phototelegraphic machine. G. Wald. No. 1,221,780; Apr. 3; v. 237; p. 270.
- Piano. V. Bessier. No. 1,251,174; Dec. 25; v. 245; p. 922.
- Piano. A. Krieghoff. No. 1,239,113; Sept. 4; v. 242; p. 127.
- Piano. J. W. Meiklejohn. No. 1,233,682; July 17; v. 240; p. 776.
- Piano action, Grand. J. F. Conover. No. 1,215,489; Feb. 13; v. 235; p. 385.
- Piano action, Grand. C. Knoch. No. 1,216,701; Feb. 20; v. 235; p. 869.
- Piano action, Grand. L. D. Perry. No. 1,231,937; July 3; v. 240; p. 134.
- Piano action, Player. G. M. Russell. No. 1,250,667; Dec. 18; v. 245; p. 722.
- Piano action, Upright. L. N. Soper. No. 1,248,192; Nov. 27; v. 244; p. 994.
- Piano action, Upright. M. S. Thomas. No. 1,217,240; Feb. 27; v. 235; p. 1097.
- Piano-actuating valve, Pneumatic. W. A. Kruck. No. 1,249,777; Dec. 11; v. 245; p. 421.
- Piano and graphophone, Combined. J. J. Froess. No. 1,242,790; Oct. 9; v. 243; p. 461.
- Piano and organ player mechanism, Combination. R. S. Irvine. No. 1,215,813; Feb. 13; v. 235; p. 503.
- Piano and phonograph, Combined. C. S. Burton. No. 1,227,579; May 29; v. 238; p. 1340.
- Piano and sound-reproducing instrument, Combination. E. Plante. No. 1,230,324; June 19; v. 239; p. 738.
- Piano attachment. M. K. Klein. No. 1,237,057; Aug. 14; v. 241; p. 526.
- Piano attachment, Electrical. D. P. Muse. No. 1,229,122; June 5; v. 239; p. 251.
- Piano attachment for operating musical instruments. P. Von Robl. No. 1,233,143; July 10; v. 240; p. 565.
- Piano, Automatic. R. W. Scott. No. 1,233,132; July 10; v. 240; p. 559.
- Piano, Automatic or self-playing. R. I. Wilcox. No. 1,233,943; July 17; v. 240; p. 859.
- Piano, Automatic player. T. E. Monroe. No. 1,212,240; Jan. 16; v. 234; p. 704.
- Piano, Automatic violin. C. Martini. No. 1,228,339; May 29; v. 238; p. 1595.
- Piano-back. J. Vogelmann. No. 1,211,791; Jan. 9; v. 234; p. 518.
- Piano-bench. H. R. Allen. No. 1,231,689; July 3; v. 240; p. 52.
- Piano-bench. C. H. Martin. No. 1,223,086; Apr. 17; v. 237; p. 801.
- Piano-bench. C. H. Martin. No. 1,231,041; June 26; v. 239; p. 1017.
- Piano-bench. P. Ray. No. 1,245,967; Nov. 6; v. 244; p. 248.
- Piano-bench, Adjustable. J. R. Gammeter and C. H. Martin. No. 1,237,499; Aug. 21; v. 241; p. 703.
- Piano-bench and cabinet. A. C. Abramson. No. 1,227,229; May 22; v. 238; p. 1197.
- Piano-bench and music-cabinet. A. W. McKelvey. No. 1,245,938; Nov. 6; v. 244; p. 240.
- Piano-bench and music-cabinet, Combined. A. Willeke. No. 1,249,873; Dec. 11; v. 245; p. 450.
- Piano-case leg. R. A. Gally. No. 1,245,579; Nov. 6; v. 244; p. 132.
- Piano, Electric self-playing grand. C. W. Dorricott. No. 1,213,166; Jan. 23; v. 234; p. 1063.
- Piano, Electrical. M. Arese. No. 1,219,063; Mar. 13; v. 236; p. 447.
- Piano harmonic attachment. C. W. Standridge. No. 1,234,814; July 31; v. 240; p. 1206.
- Piano-keyboard. P. Ancilli. No. 1,224,994; May 8; v. 238; p. 360.
- Piano-keyboard chart and guard. D. E. Force. No. 1,229,735; June 12; v. 239; p. 506.
- Piano-keys, Combined balance and leveling hinge for. C. E. Pickard and E. L. Condon. No. 1,246,997; Nov. 20; v. 244; p. 620.
- Piano-keys, Demountable leveling-hinge for. C. E. Pickard and E. L. Condon. No. 1,246,998; Nov. 20; v. 244; p. 620.
- Piano mechanism, Pneumatic action for player. A. E. Whitehead. No. 1,230,549; June 19; v. 239; p. 813.
- Piano or organ keyboards, Harmonic attachment for. W. E. Dinwiddie. No. 1,246,068; Nov. 13; v. 244; p. 307.
- Piano pedal attachment. F. Allen. No. 1,242,633; Oct. 9; v. 243; p. 411.
- Piano-pedal, Extension. R. K. Fox. No. 1,226,494; May 15; v. 238; p. 910.
- Piano, Player. J. H. Beck and G. Bedford. No. 1,227,368; May 22; v. 238; p. 1240.
- Piano, Player. J. E. Hoare. No. 1,210,474; Jan. 2; v. 234; p. 33.
- Piano, Player. J. Leisch. No. 1,212,369; Jan. 16; v. 234; p. 751.
- Piano, Player. J. A. Weser. No. 1,229,362; June 12; v. 239; p. 383.
- Piano-player. J. A. Weser. No. 1,225,196; May 8; v. 238; p. 427.
- Piano-player actions, Accenting device for. F. Carnahan. No. 1,242,919; Oct. 16; v. 243; p. 536.
- Piano-player, Automatic. G. W. Davenport and L. J. Burklim. No. 1,222,738; Apr. 17; v. 237; p. 682.
- Piano-player, Electrically-operated. W. C. Reed. No. 1,211,623; Jan. 9; v. 234; p. 460.
- Piano-player, Electrically-operated. W. C. Reed. No. 1,236,556; Aug. 7; v. 241; p. 263.
- Piano-player mechanism. G. V. Dumas. No. 1,237,263; Aug. 14; v. 241; p. 590.
- Piano-players, Automatic tracker for. E. T. Turney. No. 1,250,722; Dec. 18; v. 245; p. 739.
- Piano-players, Expression device for pneumatic. P. I. Burks. No. 1,219,243; Mar. 13; v. 236; p. 508.
- Piano-players, Pneumatic controller for mechanical. H. A. Bierck. No. 1,241,812; Oct. 2; v. 243; p. 110.
- Piano-players, Tempo-controller for. A. G. Marquis. No. 1,217,323; Feb. 27; v. 235; p. 1125.
- Piano-players, Tension-governor for. E. Lundberg. No. 1,244,875; Oct. 30; v. 243; p. 1203.
- Piano rolls, Brake for player. C. Frelborg. No. 1,234,325; July 24; v. 240; p. 1018.
- Piano-seat and music-cabinet, Combined. W. S. Muller. No. 1,219,988; Mar. 20; v. 236; p. 798.
- Piano sounding-board. R. Thomas. No. 1,218,019; Mar. 6; v. 236; p. 45.
- Piano sounding-board and frame. T. A. Johanson. No. 1,249,763; Dec. 11; v. 245; p. 417.
- Piano-strings, Tuning-pin for. A. W. Clauder and S. T. Cole. No. 1,233,552; July 17; v. 240; p. 733.
- Piano, Transposing. W. E. Holden. No. 1,236,435; Aug. 14; v. 241; p. 322.
- Piano, Transposing. T. H. Sledge. No. 1,248,736; Dec. 4; v. 245; p. 92.
- Piano, Upright. S. Brambach. No. 1,210,593; Jan. 2; v. 234; p. 74.
- Piano, Violin. E. Silen. No. 1,238,835; Sept. 4; v. 242; p. 37.
- Piano-violins, Bow for. L. Bajde and G. K. Henning. No. 1,228,737; June 5; v. 239; p. 124.
- Piano wrest-plank. J. Kantor. No. 1,212,775; Jan. 16; v. 234; p. 896.
- Pianos and organs, Means for coincidentally playing. E. Camp. No. 1,232,217; July 3; v. 240; p. 228.
- Pianos and other musical instruments, Key-cover for. H. J. La Jole. No. 1,242,952; Oct. 16; v. 243; p. 547.
- Pianos and the like, Device for transporting. R. J. Bowen. No. 1,245,560; Nov. 6; v. 244; p. 127.
- Pianos and the like, Expression-indications for perforated note-sheets for player. F. Hopkins. No. 1,226,332; May 15; v. 238; p. 859.
- Pianos and the like, String-holding means for. E. R. Ayres. No. 1,211,658; Jan. 9; v. 234; p. 472.
- Pianos, Attachment for. A. J. Kittel. No. 1,219,747; Mar. 20; v. 236; p. 712.
- Pianos, Automatic expression control for player. M. S. Howard. No. 1,229,083; June 5; v. 239; p. 237.
- Pianos, Automatic regulator for pneumatic. V. L. Jones. No. 1,223,885; Apr. 24; v. 237; p. 1112.
- Pianos, Desk for. R. W. Gertz. No. 1,233,463; July 17; v. 240; p. 704.
- Pianos, Detachable pneumatic for player. C. V. Jameson. No. 1,219,105; Mar. 13; v. 236; p. 461.
- Pianos, Door-operating mechanism for player. E. T. Turney. No. 1,241,533; Oct. 2; v. 243; p. 38.
- Pianos, Finishing and assembling grand. J. H. Williams and F. A. Foss. No. 1,242,297; Oct. 9; v. 243; p. 304.
- Pianos, Note-sheet-centering mechanism for player. E. D. Moore and S. L. Fisher. No. 1,243,330; Oct. 16; v. 243; p. 663.
- Pianos, Pedal-gate for. T. W. Vrana. No. 1,226,284; May 15; v. 238; p. 845.
- Pianos, Pedal mechanism for player. R. P. Potter. No. 1,231,295; June 26; v. 239; p. 1102.
- Pianos, Pneumatic action for player. J. R. De Noyelles. No. 1,223,265; Apr. 17; v. 237; p. 859.
- Pianos, Pneumatic action for player. J. L. A. and J. W. De Yoe. No. 1,220,076; Mar. 20; v. 236; p. 829.
- Pianos, Pneumatic action for player. E. C. Hiscock. No. 1,227,787; May 29; v. 238; p. 1411.
- Pianos, Pneumatic action for player. E. C. Hiscock. No. 1,246,096; Nov. 13; v. 244; p. 315.

Alphabetical list of inventions—Continued.

- Pianos, Pneumatic device for player-. C. V. Jameson. No. 1,219,104; Mar. 13; v. 236; p. 460.
- Pianos, Pneumatic device for player-. O. M. Kennedy. No. 1,233,367; July 17; v. 240; p. 670.
- Pianos, Pump-operating mechanism for pneumatic player-. W. Schack. No. 1,248,408; Nov. 27; v. 244; p. 1053.
- Pianos, Sostenuuto device for. E. V. Hibbs. No. 1,234,474; July 24; v. 240; p. 1068.
- Pianos, Sostenuuto device for. T. E. Steinway. No. 1,214,237; Jan. 30; v. 234; p. 1461.
- Pianos, Sostenuuto mechanism for. A. Ariani. No. 1,224,437; May 1; v. 238; p. 117.
- Pianos, Suction cleaning attachment for player-. M. Rothfeld. No. 1,221,221; Apr. 3; v. 237; p. 78.
- Pianos, Tracker mechanism for player-. J. R. De Noyelles. No. 1,215,005; Feb. 6; v. 235; p. 186.
- Pianos, Tracker mechanism for pneumatic or player. S. A. Swanson. No. 1,242,266; Oct. 9; v. 243; p. 293.
- Pianos, Wrest-pin for. J. A. Murdoch and G. Tadgell. No. 1,223,412; Apr. 24; v. 237; p. 943.
- Planoforte attachment. H. P. Haanel, Jr. No. 1,229,257; June 12; v. 239; p. 346.
- Pick-handle, Safety. A. W. Barnum. No. 1,248,993; Dec. 4; v. 245; p. 164.
- Picks, Dirt-shield for. A. Mockel. No. 1,236,968; Aug. 14; v. 241; p. 497.
- Pickaxe. A. R. Thomson. No. 1,244,662; Oct. 30; v. 243; p. 1139.
- Picker. See—
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| Bean-picker. | Paper-picker. |
| Cotton-picker. | Pea-picker. |
| Fruit-picker. | Peanut-picker. |
| Loom-picker. | Stone-picker. |
| Moth-nest picker. | |
- Picker-check. J. K. Lanning. No. 1,238,791; Sept. 4; v. 242; p. 22.
- Picker-check. J. K. Lanning. No. 1,244,101; Oct. 23; v. 243; p. 931.
- Picker-head. J. Murphy. No. 1,229,121; June 5; v. 239; p. 251.
- Picker-roller. C. J. Nicoud. No. 1,250,491; Dec. 18; v. 245; p. 670.
- Picker-stick. P. Belanger. No. 1,215,899; Feb. 13; v. 235; p. 534.
- Picker-stick. H. M. Harmon and R. O. Libbey. No. 1,215,271; Feb. 6; v. 235; p. 275.
- Picker-stick connection. F. T. Furgal. No. 1,215,266; Feb. 6; v. 235; p. 273.
- Pickers, carding-engines, &c., Lap-rod retainer for. V. C. Faunce. No. 1,216,790; Feb. 20; v. 235; p. 901.
- Pickling and washing machine. F. H. Maloney. No. 1,251,073; Dec. 25; v. 245; p. 893.
- Pickling-bath and making the same. A. F. Hoffman. No. 1,225,956; May 15; v. 238; p. 727.
- Pickling-machine. A. E. Maskrey. No. 1,247,699; Nov. 27; v. 244; p. 853.
- Pickling-tanks, Plunger-actuating mechanism for. W. F. Conklin and E. B. Todd. No. 1,243,488; Oct. 16; v. 243; p. 709.
- Pieric acid from washwater, Recovering. H. A. Gardner. No. 1,231,009; June 26; v. 239; p. 1007.
- Pictorial device. J. G. Scott, Jr. No. 1,240,887; Sept. 25; v. 242; p. 782.
- Pictorial representation and producing the same. W. C. Cornwell. No. 1,232,228; July 3; v. 240; p. 232.
- Picture and mirror hanger. J. J. Cook. No. 1,222,530; Apr. 10; v. 237; p. 567.
- Picture and producing the same, Motion-. C. F. Pidgin. No. 1,240,774; Sept. 18; v. 242; p. 713.
- Picture and sound-reproducing means, Synchronizing mechanism for. H. W. Rogers. No. 1,251,287; Dec. 25; v. 245; p. 955.
- Picture apparatus, Motion-. L. Arkin and S. Adelman. No. 1,225,392; May 8; v. 238; p. 496.
- Picture apparatus, Motion-. J. F. Davidson. No. 1,221,515; Apr. 2; v. 237; p. 181.
- Picture apparatus, Motion-. F. C. Hamilton. No. 1,244,728; Oct. 30; v. 243; p. 1160.
- Picture apparatus, Motion-. C. F. Jenkins. No. 1,229,275; June 12; v. 239; p. 353.
- Picture apparatus, Motion-. R. H. Pietzsch. No. 1,224,500; May 1; v. 238; p. 138.
- Picture apparatus, Motion-. E. Schneider. No. 1,242,605; Oct. 9; v. 243; p. 403.
- Picture apparatus, Moving-. G. Bettini. No. 1,210,887; Jan. 2; v. 234; p. 175.
- Picture apparatus, Moving-. R. K. Snow and A. B. Perdue. No. 1,231,958; July 3; v. 240; p. 141.
- Picture apparatus, Moving-. R. K. Snow and A. B. Perdue. No. 1,249,230; Dec. 4; v. 245; p. 233.
- Picture apparatus, Plate and plate-holder for moving-. G. Bettini. No. 1,242,416; Oct. 9; v. 243; p. 342.
- Picture apparatus, Rewinder for motion-. J. F. Gilmore. No. 1,249,376; Dec. 11; v. 245; p. 305.
- Picture apparatus, Self-threading device for motion-. M. Segel. No. 1,225,184; May 8; v. 238; p. 424.
- Picture apparatus, Stop and recoil mechanism for motion-. A. S. Howell. No. 1,237,046; Aug. 14; v. 241; p. 523.
- Picture apparatus, Talking-moving-. F. W. Matthews. No. 1,210,665; Jan. 2; v. 234; p. 101.
- Picture apparatus, Winding and reeling mechanism for motion-. A. S. Howell. No. 1,243,739; Oct. 23; v. 243; p. 821.
- Picture-cards and the like, Support or easel for. W. J. Satterlee. No. 1,237,560; Aug. 21; v. 241; p. 724.
- Picture cartoons, Producing moving-. M. Fleischer. No. 1,242,674; Oct. 9; v. 243; p. 424.
- Picture-displaying device, Multiple-. A. Caplan. No. 1,211,540; Jan. 9; v. 234; p. 433.
- Picture-exhibiting device, Moving-. F. W. Hochstetter. No. 1,226,663; May 22; v. 238; p. 1003.
- Picture-film. P. J. Landin. No. 1,234,046; July 17; v. 240; p. 891.
- Picture-film cleaner, Motion-. M. E. Noble. No. 1,239,295; Sept. 4; v. 242; p. 185.
- Picture-film-cleaning machine, Motion-. H. M. Colbyson and A. S. Dworsky. No. 1,230,120; June 19; v. 239; p. 671.
- Picture film, Motion-. J. E. Thornton. No. 1,229,546; June 12; v. 239; p. 445.
- Picture film, Moving-. W. M. Grosvenor. No. 1,226,655; May 22; v. 238; p. 1000.
- Picture film, Moving-. W. E. Williams. No. 1,236,639; Aug. 14; v. 241; p. 389.
- Picture-film-printing unit, Moving-. J. T. Wells. No. 1,210,743; Jan. 2; v. 234; p. 126.
- Picture-film-rewinding apparatus, Moving-. W. O. Workman. No. 1,222,505; Apr. 10; v. 237; p. 559.
- Picture-film-rewinding device. R. Shipman. No. 1,215,066; Feb. 6; v. 235; p. 205.
- Picture-film wiper, Moving-. E. Ducher. No. 1,221,704; Apr. 3; v. 237; p. 244.
- Picture films, Apparatus for cleaning motion-. J. R. Voss and W. J. Owens. No. 1,218,137; Mar. 6; v. 236; p. 87.
- Picture films, Apparatus for restoring blemished moving-. F. W. Hochstetter. No. 1,227,138; May 22; v. 238; p. 1167.
- Picture films, Coloring-machine for moving-. M. Vandal. No. 1,226,282; May 15; v. 238; p. 844.
- Picture films, Coloring moving-. C. W. Mable. No. 1,230,744; June 19; v. 239; p. 877.
- Picture films, Fireproof casing for moving-. A. F. Coppersito. No. 1,210,909; Jan. 2; v. 234; p. 183.
- Picture films, Making moving-. R. V. Stambaugh. No. 1,226,135; May 15; v. 238; p. 789.
- Picture films, Producing magnetic sound-records for talking-motion-. H. C. Bullis. No. 1,213,150; Jan. 23; v. 234; p. 1057.
- Picture films, Producing motion-. L. Miller. No. 1,232,359; July 3; v. 240; p. 275.
- Picture films, Support for motion-. A. M. Delmas. No. 1,240,954; Sept. 25; v. 242; p. 803.
- Picture films, Systematic classification and indexing of motion-. F. Lowenstein. No. 1,233,076; July 10; v. 240; p. 541.
- Picture-frame. T. D. Hawkes. No. 1,220,418; Mar. 27; v. 236; p. 987.
- Picture-frame. T. E. Jope. No. 1,226,077; May 15; v. 238; p. 770.
- Picture-frame. B. L. McMillan. No. 1,223,409; Apr. 24; v. 237; p. 942.
- Picture-frame. H. A. Sass. No. 1,232,095; July 3; v. 240; p. 190.
- Picture-frame. F. W. Wanda. No. 1,225,195; May 8; v. 238; p. 427.
- Picture frame and mounting, Combined. C. R. Childs. No. 1,249,328; Dec. 11; v. 245; p. 291.
- Picture-frame attachment. A. L. Rogers. No. 1,242,868; Oct. 9; v. 243; p. 486.
- Picture-frames and the like, Machine for making. J. and R. Dopyera. No. 1,218,842; Mar. 13; v. 236; p. 372.
- Picture-hanger. M. B. Backerud. No. 1,242,309; Oct. 9; v. 243; p. 307.
- Picture-hanger. B. C. Bagby. No. 1,217,680; Feb. 27; v. 235; p. 1254.
- Picture-hanger. H. H. Kuhn. No. 1,223,802; Apr. 24; v. 237; p. 1084.
- Picture-hanger. G. I. Schley. No. 1,226,019; May 15; v. 238; p. 750.
- Picture-hanger. W. A. Stockdale. No. 1,251,130; Dec. 25; v. 245; p. 909.
- Picture-hanger. C. H. Thomas. No. 1,212,422; Jan. 16; v. 234; p. 770.
- Picture-holder. A. Hayes. No. 1,210,934; Jan. 2; v. 234; p. 192.
- Picture-hook. M. Dehn. No. 1,210,610; Jan. 2; v. 234; p. 80.
- Picture machine, Motion-. C. Andersen. No. 1,246,217; Nov. 13; v. 244; p. 351.
- Picture machine, Motion-. C. F. Jenkins. No. 1,225,636; May 8; v. 238; p. 577.
- Picture machine, Motion-. J. Keller. No. 1,232,326; July 3; v. 240; p. 264.
- Picture machine, Motion-. W. A. King. No. 1,224,304; May 1; v. 238; p. 68.
- Picture machine, Motion-. N. T. Nilsson. No. 1,245,498; Nov. 6; v. 244; p. 106.
- Picture machine, Moving-. T. H. Blair. No. 1,247,786; Nov. 27; v. 244; p. 880.
- Picture machine, Moving-. G. D. Brady. No. 1,215,770; Feb. 13; v. 235; p. 487.
- Picture machine, Moving-. H. M. Connor and D. D. Miles. No. 1,234,136; July 24; v. 240; p. 956.
- Picture machine, Moving-. A. F. Gall and N. A. Curtiss. No. 1,242,792; Oct. 9; v. 243; p. 461.
- Picture machine, Moving-. J. Grant. No. 1,225,801; May 15; v. 238; p. 676.

- Picture machine, Moving-. R. W. Martin. No. 1,241,869; Oct. 2; v. 243; p. 127.
- Picture machine, Moving-. A. Mehlfelder. No. 1,245,755; Nov. 6; v. 244; p. 184.
- Picture machine, Moving-. N. T. Nilsson. No. 1,229,125; June 5; v. 239; p. 252.
- Picture machine, Moving-. H. E. Roys. No. 1,240,882; Sept. 25; v. 242; p. 780.
- Picture machine, Moving-. W. H. and F. A. Selby. No. 1,219,403; Mar. 13; v. 236; p. 563.
- Picture-machine reel. W. E. Millar. No. 1,239,504; Sept. 11; v. 242; p. 278.
- Picture-machine stand, Moving-. P. R. Gonsky. No. 1,223,577; Apr. 24; v. 237; p. 1002.
- Picture machines, Attachment for moving-. H. Siegel. No. 1,242,730; Oct. 9; v. 243; p. 442.
- Picture machines, Combined beater and shutter for motion-. N. T. Nilsson. No. 1,245,497; Nov. 6; v. 244; p. 106.
- Picture machines, Controlling device for motion-. J. Chesler. No. 1,245,192; Nov. 6; v. 244; p. 15.
- Picture machines, Film-feed mechanism for moving-. J. T. Wells. No. 1,210,744; Jan. 2; v. 234; p. 126.
- Picture machines, Film-winding apparatus for motion-. E. A. Longenecker. No. 1,242,006; Oct. 2; v. 243; p. 171.
- Picture machines, Fire-preventing attachment for moving-. J. L. and I. J. Ulmer. No. 1,250,724; Dec. 18; v. 245; p. 740.
- Picture machines, Framing device for motion-. J. Keller. No. 1,232,328; July 3; v. 240; p. 265.
- Picture machines, Governing device for take-up reels of moving-. A. D. Covert. No. 1,225,222; May 8; v. 238; p. 436.
- Picture machines, Intermittent gearing for motion-. J. Keller. No. 1,232,327; July 3; v. 240; p. 264.
- Picture machines, Positive strip for moving-. G. W. Beadle. No. 1,245,424; Nov. 6; v. 244; p. 84.
- Picture machines, Rewinding device for moving-. J. F. Gilmore. No. 1,215,364; Feb. 13; v. 235; p. 341.
- Picture machines, Safety device for motion-. H. E. Watson. No. 1,230,351; June 19; v. 239; p. 748.
- Picture machines, Safety device for moving-. H. S. Morton. No. 1,230,201; June 19; v. 239; p. 698.
- Picture machines, Shutter and color-screen device for moving-. F. W. Hochstetter. No. 1,247,273; Nov. 20; v. 244; p. 698.
- Picture machines, Shutter-closing mechanism for moving-. H. M. Conner and D. D. Miles. No. 1,227,886; May 29; v. 238; p. 1445.
- Picture machines, Shutter for moving-. T. Davis. No. 1,241,828; Oct. 2; v. 243; p. 115.
- Picture machines, Shutter for moving-. C. R. Smith. No. 1,233,816; July 17; v. 240; p. 817.
- Picture machines, Shutter for moving-. A. D. Standeford. No. 1,215,887; Feb. 13; v. 235; p. 530.
- Picture machines, Shutter-operating attachment for twin motion-. J. E. Singleton and S. T. White. No. 1,229,159; June 5; v. 239; p. 263.
- Picture machines, Stop-motion for motion-. E. B. Hulsey and J. A. D. Herrington. No. 1,243,067; Oct. 16; v. 243; p. 584.
- Picture machines, Threading device for moving-. M. Segel. No. 1,227,081; May 22; v. 238; p. 1147.
- Picture-operator's automatic signaling device, Moving-. O. B. Day. No. 1,223,771; Apr. 24; v. 237; p. 1072.
- Picture or representation of objects in relief. G. Tuck. No. 1,217,242; Feb. 27; v. 235; p. 1098.
- Picture-printing machines, Control means for motion-. A. S. Howell. No. 1,225,335; May 8; v. 238; p. 477.
- Picture process and apparatus, Moving-. A. Wright. No. 1,251,161; Dec. 25; v. 245; p. 919.
- Picture-projecting apparatus having interlocking parts and means for maintaining the parts in assembled relation and for mounting the shutter on a projecting apparatus, Shutter for motion-. F. C. Hamilton. No. 1,214,301; Jan. 30; v. 234; p. 1486.
- Picture-projecting apparatus, Motion-. R. M. Craig. No. 1,247,646; Nov. 27; v. 244; p. 836.
- Picture-projecting machine, Motion-. F. L. Dyer. No. 1,235,776; Aug. 7; v. 241; p. 80.
- Picture-projecting machine, Motion-. F. L. Dyer. No. 1,242,428; Oct. 9; v. 243; p. 345.
- Picture, Puzzle-. F. D. Spotswood. No. 1,225,071; May 8; v. 238; p. 385.
- Picture rail and hook. W. A. Smyrk. No. 1,220,021; Mar. 20; v. 236; p. 808.
- Picture reels, Attachment for motion-. L. S. Balute. No. 1,232,753; July 10; v. 240; p. 438.
- Picture reels, Signal for moving-. H. L. Miller. No. 1,214,208; Jan. 30; v. 234; p. 1451.
- Picture reproduction and mechanism for curving the same, Screen for. W. L. Tillotson. No. 1,212,424; Jan. 16; v. 234; p. 771.
- Picture-screen frame, Moving-. L. Davis. No. 1,229,044; June 5; v. 239; p. 224.
- Picture shutters, Segment for motion-. E. W. Clark. No. 1,233,186; July 10; v. 240; p. 577.
- Pictures and making the same, Film for motion-. J. E. Thornton. No. 1,213,038; Jan. 16; v. 234; p. 986.
- Pictures and mirrors, Hanger for. G. Thompson. No. 1,224,513; May 1; v. 238; p. 143.
- Pictures and the like, Hanger for. E. Kaplan. No. 1,248,131; Nov. 27; v. 244; p. 976.
- Pictures, Apparatus for and method of taking trick and advertising moving. C. B. Rowntree. No. 1,227,075; May 22; v. 238; p. 1145.
- Pictures, Apparatus for producing audible moving. H. Hess. No. 1,222,626; Apr. 17; v. 237; p. 642.
- Pictures, &c., Endless film and reel device for exhibiting. W. E. Millar. No. 1,211,955; Jan. 9; v. 234; p. 580.
- Pictures, Intermittent motion for moving. W. M. Thomas. No. 1,244,919; Oct. 30; v. 243; p. 1217.
- Pictures, Making cinematographic cartoon. C. M. Aument. No. 1,235,871; Aug. 7; v. 241; p. 112.
- Pictures, Method and apparatus for projection of matter explanatory to moving. L. Germain. No. 1,243,507; Oct. 16; v. 243; p. 715.
- Pictures, Optical device for viewing moving. H. F. Stowell. No. 1,236,229; Aug. 7; v. 241; p. 226.
- Pictures, Producing motion-. L. M. Anderson. No. 1,250,412; Dec. 18; v. 245; p. 647.
- Pictures, Screen for moving and other projected. E. G. Meadway. No. 1,216,154; Feb. 13; v. 235; p. 627.
- Pictures, Sound-transmitting system for moving. E. D. George. No. 1,212,342; Jan. 16; v. 234; p. 742.
- Pictures, Taking moving. R. John. No. 1,216,695; Feb. 20; v. 235; p. 867.
- Pie and cake carrier. B. V. Herman. No. 1,249,082; Dec. 4; v. 245; p. 189.
- Pie-crimper. E. W. Scribner. No. 1,222,039; Apr. 10; v. 237; p. 394.
- Piers, Building and placing. D. D. McBean. No. 1,221,068; Apr. 3; v. 237; p. 22.
- Piers, Fender for ships. E. S. J. Phillips. No. 1,210,832; Jan. 2; v. 234; p. 155.
- Pig-guard. J. L. Griswold. No. 1,211,839; Jan. 9; v. 234; p. 536.
- Pig-troughs, Mold for making. J. Kronser. No. 1,225,650; May 8; v. 238; p. 581.
- Pigment. H. A. Gardner. No. 1,220,973; Mar. 27; v. 236; p. 1175.
- Pigment and making same. S. Kohn. No. 1,231,617; July 3; v. 240; p. 26.
- Pigment and paint. L. E. Barton. No. 1,218,161; Mar. 6; v. 236; p. 95.
- Pigment and preparing the same. H. A. Gardner. No. 1,216,980; Feb. 20; v. 235; p. 964.
- Pigment and preparing the same. H. A. Gardner. No. 1,216,981; Feb. 20; v. 235; p. 964.
- Pigment and producing same, Composite titanic-oxid. L. E. Barton. (Reissue.) No. 14,289; Apr. 24; v. 237; p. 1192.
- Pigment and product thereof, Making. F. J. Oakes. No. 1,248,385; Nov. 27; v. 244; p. 1048.
- Pigment, Making lead-sulfate. R. E. Kreher. No. 1,248,501; Dec. 4; v. 245; p. 21.
- Pigment or filler. L. H. Sahn. No. 1,242,480; Oct. 9; v. 243; p. 362.
- Pigments and producing the same, Composite titanic-oxid. L. E. Barton. No. 1,236,655; Aug. 14; v. 241; p. 395.
- Pile. J. Stewart. No. 1,249,850; Dec. 11; v. 245; p. 443.
- Pile and sinking same. E. F. Estes. No. 1,248,296; Nov. 27; v. 244; p. 1024.
- Pile, Combined steel and concrete. F. L. Pruyn. No. 1,225,855; May 15; v. 238; p. 694.
- Pile-cutting machines, Guide-holder for. L. Toupin. No. 1,248,205; Nov. 27; v. 244; p. 997.
- Pile-driver-hammer suspension. E. B. Rogers. No. 1,222,891; Apr. 17; v. 237; p. 734.
- Pile-driver, Pendulum. E. J. Stone. No. 1,251,131; Dec. 25; v. 245; p. 910.
- Pile-driving, Ring or band for use in. H. Illback. No. 1,220,229; Mar. 27; v. 236; p. 919.
- Pile fabric, Woven. H. and F. M. Kaufman. No. 1,249,768; Dec. 11; v. 245; p. 418.
- Pile fabric, Woven. H. and F. M. Kaufman. No. 1,249,769; Dec. 11; v. 245; p. 418.
- Pile-sawing device. J. E. Wilhelm and W. W. Bonfield. No. 1,221,401; Apr. 3; v. 237; p. 141.
- Pile-supporter. J. L. Raines. No. 1,249,195; Dec. 4; v. 245; p. 222.
- Piles, Casing for. C. H. Jones. No. 1,211,164; Jan. 2; v. 234; p. 269.
- Piles, Construction of and method of sinking. E. Bignell. No. 1,241,813; Oct. 2; v. 243; p. 110.
- Piles, Forming and driving composite. M. M. Upson and H. R. Smith. No. 1,245,289; Nov. 6; v. 244; p. 44.
- Piling. W. O'Donnell. No. 1,245,373; Nov. 6; v. 244; p. 69.
- Piling, Gripping device for withdrawing sheet. J. E. Wilhelm and W. W. Bonfield. No. 1,221,400; Apr. 3; v. 237; p. 140.
- Pillow. S. Leavitt. No. 1,212,515; Jan. 16; v. 234; p. 803.
- Pillow. J. M. Peoples. No. 1,211,871; Jan. 9; v. 234; p. 547.
- Pillow. H. J. K. Thomas. No. 1,211,257; Jan. 2; v. 234; p. 304.
- Pillow-block. B. Berlin. No. 1,231,839; July 3; v. 240; p. 103.
- Pillow, Collapsible. Y. Hara. No. 1,240,968; Sept. 25; v. 242; p. 807.
- Pillow-sham holder. A. Bath. No. 1,223,580; Apr. 24; v. 237; p. 1003.
- Pilot-burner. P. D. Johnson. No. 1,225,719; May 8; v. 238; p. 605.

Alphabetical list of inventions—Continued.

- Pilot mechanism, Automatic. A. J. Macy. No. 1,228,364; May 29; v. 238; p. 1604.
 Pin: See—
 Bonding-pin. Locking-pin.
 Bowling-pin. Rolling-pin.
 Clothes-pin. Safety-pin.
 Cotter-pin. Seat-cover pin.
 Hair-pin. Shuttle-pin.
 Hat-pin. Tuning-pin.
 Pin. G. H. Fahrenbruch. No. 1,231,514; June 26; v. 239; p. 1173.
 Pin-box for sorting-machines. F. Koch. No. 1,234,348; July 24; v. 240; p. 1025.
 Pin-clasp. O. L. Culley. No. 1,248,625; Dec. 4; v. 245; p. 59.
 Pin-holder, Sanitary. J. H. Anderson. No. 1,248,987; Dec. 4; v. 245; p. 162.
 Pin-setter, Automatic. E. Schlossberg. No. 1,225,276; May 8; v. 238; p. 453.
 Pin-setting device. J. Heinemann. No. 1,230,898; June 26; v. 239; p. 967.
 Pin-setting mechanism. H. Loewenbach. No. 1,239,280; Sept. 4; v. 242; p. 181.
 Pin-setting mechanism, Overhead. R. F. Downey. No. 1,231,863; July 3; v. 240; p. 110.
 Pins and similar articles. Pivot-mounting for. A. Schroetter. No. 1,249,519; Dec. 11; v. 245; p. 346.
 Pins, needles, &c. Device for picking up or lifting. W. Zolper. No. 1,212,870; Jan. 16; v. 234; p. 927.
 Pins, Safety-catch for. A. Schroetter. No. 1,213,276; Jan. 23; v. 234; p. 1102.
 Pin-cushion. F. J. Dowling. No. 1,229,051; June 5; v. 239; p. 227.
 Pinning and creting machine, Combination. I. Barnett. No. 1,235,873; Aug. 7; v. 241; p. 112.
 Pinch-bar. J. M. Bailey. No. 1,243,914; Oct. 23; v. 243; p. 876.
 Pine-incense and making same. L. Lucas. No. 1,216,710; Feb. 20; v. 235; p. 873.
 Pineapple product. S. E. Schaffner. No. 1,214,598; Feb. 6; v. 235; p. 40.
 Pipe: See—
 Bell-end pipe. Pitch-pipe.
 Blowpipe. Sewer-pipe.
 Culvert-pipe. Smoking-pipe.
 Distributor-pipe. Stovepipe.
 Drain-pipe. Tobacco-pipe.
 Magazine-pipe. Ventilating-pipe.
 Pipe. H. M. Brown. No. 1,231,485; June 26; v. 239; p. 1165.
 Pipe. C. J. Graham and J. A. Farris. No. 1,229,943; June 12; v. 239; p. 576.
 Pipe. J. B. Morrow. No. 1,224,488; May 1; v. 238; p. 134.
 Pipe. A. Van Buren. No. 1,224,980; May 8; v. 238; p. 355.
 Pipe-annealing process and apparatus. H. A. Bardeen. No. 1,241,075; Sept. 25; v. 242; p. 839.
 Pipe. Apparatus for making reinforced spiral. F. W. Colby. No. 1,238,987; Sept. 4; v. 242; p. 86.
 Pipe-assembling machine. J. C. Moon. No. 1,232,707; July 10; v. 240; p. 421.
 Pipe-ball. E. F. Blessing. No. 1,236,044; Aug. 7; v. 241; p. 169.
 Pipe-bench, Folding. F. Sabbow. No. 1,213,270; Jan. 23; v. 234; p. 1100.
 Pipe-bend. C. J. Rateike. No. 1,232,973; July 10; v. 240; p. 509.
 Pipe-bender. J. F. Scribner. No. 1,247,728; Nov. 27; v. 244; p. 862.
 Pipe-bending apparatus. R. L. Davis and G. C. Moyers. No. 1,239,165; Sept. 4; v. 242; p. 143.
 Pipe-bending apparatus. C. S. Ryerson. No. 1,240,605; Sept. 18; v. 242; p. 660.
 Pipe-blanks, Method and apparatus for electrically heating. G. Fox. No. 1,227,603; May 29; v. 238; p. 1347.
 Pipe-bowl cleaner. B. F. Flegel and L. S. Darling. No. 1,227,601; May 29; v. 238; p. 1346.
 Pipe-bowl cleaner. W. R. Grocuff. No. 1,249,618; Dec. 11; v. 245; p. 374.
 Pipe-carrier support. J. C. Mock. No. 1,247,310; Nov. 20; v. 244; p. 708.
 Pipe-clamp. F. I. Johnson. No. 1,250,467; Dec. 18; v. 245; p. 663.
 Pipe-clamp. I. A. Kidd. No. 1,241,126; Sept. 25; v. 242; p. 855.
 Pipe-cleaner. G. A. Brunson. No. 1,246,710; Nov. 13; v. 244; p. 109.
 Pipe-cleaner. G. Linthicum. No. 1,250,195; Dec. 18; v. 245; p. 582.
 Pipe-cleaner. F. C. Wright. No. 1,240,641; Sept. 18; v. 242; p. 671.
 Pipe cleaner, Recr. G. Doti. No. 1,246,803; Nov. 13; v. 244; p. 527.
 Pipe cleaner, Drain. R. K. Hirsch. No. 1,217,763; Feb. 27; v. 235; p. 1281.
 Pipe cleaner, Sand. F. Meyer. No. 1,217,327; Feb. 27; v. 235; p. 1126.
 Pipe cleaner, Water. D. N. Cornwell. No. 1,238,269; Aug. 28; v. 241; p. 984.
 Pipe-cleaners and other articles, Handle for. N. B. Stone. No. 1,247,168; Nov. 20; v. 244; p. 669.
 Pipe-cleaning device. R. Harriman. No. 1,219,734; Mar. 20; v. 236; p. 709.
 Pipe-cleaning means, Waste. J. Price. No. 1,215,190; Feb. 6; v. 235; p. 247.
 Pipe-closure. J. J. Kenny. No. 1,224,934; May 8; v. 238; p. 340.
 Pipe-connecting fitting. H. A. Poppenhusen and A. P. Strong. No. 1,237,381; Aug. 21; v. 241; p. 666.
 Pipe connection, Blast. A. J. Bouner. No. 1,230,657; June 19; v. 239; p. 849.
 Pipe connection, Flexible. W. J. Saunders. No. 1,214,379; Jan. 30; v. 234; p. 1513.
 Pipe connection, Flexible. E. A. Schreiber. No. 1,222,682; Apr. 17; v. 237; p. 663.
 Pipe connection, Metallic train. T. H. Mooney. No. 1,250,336; Dec. 18; v. 245; p. 624.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,212,559; Jan. 16; v. 234; p. 819.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,212,560; Jan. 16; v. 234; p. 819.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,212,686; Jan. 16; v. 234; p. 866.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,212,687; Jan. 16; v. 234; p. 866.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,245,775; Nov. 6; v. 244; p. 191.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,245,776; Nov. 6; v. 244; p. 191.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,245,777; Nov. 6; v. 244; p. 192.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,245,781; Nov. 6; v. 244; p. 193.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,245,783; Nov. 6; v. 244; p. 194.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,245,784; Nov. 6; v. 244; p. 194.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,245,785; Nov. 6; v. 244; p. 195.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,245,786; Nov. 6; v. 244; p. 195.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,245,787; Nov. 6; v. 244; p. 195.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,245,788; Nov. 6; v. 244; p. 196.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,245,789; Nov. 6; v. 244; p. 196.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,245,790; Nov. 6; v. 244; p. 196.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,245,791; Nov. 6; v. 244; p. 197.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,245,792; Nov. 6; v. 244; p. 197.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,245,793; Nov. 6; v. 244; p. 198.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,245,795; Nov. 6; v. 244; p. 198.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,245,799; Nov. 6; v. 244; p. 200.
 Pipe connector, Automatic train. J. V. Robinson. No. 1,245,800; Nov. 6; v. 244; p. 200.
 Pipe connector, Train. J. V. Robinson. No. 1,245,773; Nov. 6; v. 244; p. 190.
 Pipe-coupling. H. Aebli. No. 1,228,733; June 5; v. 239; p. 122.
 Pipe-coupling. A. Beck. No. 1,248,601; Dec. 4; v. 245; p. 52.
 Pipe-coupling. T. Behan. No. 1,236,816; Aug. 14; v. 241; p. 449.
 Pipe-coupling. H. C. Brewster. No. 1,233,175; July 10; v. 240; p. 574.
 Pipe-coupling. D. L. Caston. No. 1,214,425; Jan. 30; v. 234; p. 1527.
 Pipe-coupling. V. S. Durbin. No. 1,221,707; Apr. 3; v. 237; p. 245.
 Pipe-coupling. F. W. Erickson. No. 1,238,994; Sept. 4; v. 242; p. 88.
 Pipe-coupling. J. N. Goodall. No. 1,234,537; July 24; v. 240; p. 1087.
 Pipe-coupling. J. N. Goodall. No. 1,237,249; Aug. 14; v. 241; p. 585.
 Pipe-coupling. A. C. J. Hennig. No. 1,211,941; Jan. 9; v. 234; p. 574.
 Pipe-coupling. J. T. Hudgins. No. 1,228,323; May 29; v. 238; p. 1589.
 Pipe-coupling. W. A. Johnston. No. 1,216,459; Feb. 20; v. 235; p. 786.
 Pipe-coupling. C. H. and H. R. Loughbridge. No. 1,242,568; Oct. 9; v. 243; p. 390.
 Pipe-coupling. K. O. Muehlberg. No. 1,211,741; Jan. 9; v. 234; p. 500.
 Pipe-coupling. J. B. Norris. No. 1,219,849; Mar. 20; v. 236; p. 749.
 Pipe-coupling. G. A. Peterson. No. 1,213,132; Jan. 16; v. 234; p. 1018.
 Pipe-coupling. J. V. Robinson. No. 1,216,609; Feb. 20; v. 235; p. 840.
 Pipe-coupling. J. V. Robinson. No. 1,217,505; Feb. 27; v. 235; p. 1192.
 Pipe-coupling. E. G. Thompson and C. B. Kennard. No. 1,238,218; Aug. 28; v. 241; p. 967.
 Pipe coupling, Air. L. C. Bonelli. No. 1,249,009; Dec. 4; v. 245; p. 169.
 Pipe coupling, Air. H. C. Duty and L. L. Craig. No. 1,220,503; Mar. 27; v. 236; p. 1017.
 Pipe coupling, Air and steam. E. H. Field and S. J. Busha. No. 1,247,100; Nov. 20; v. 244; p. 649.

- Pipe coupling, Air-brake-. A. Herstad. No. 1,245,156; Nov. 6; v. 244; p. 5.
- Pipe coupling, Automatic interlocking train-. J. V. Robinson. No. 1,245,774; Nov. 6; v. 244; p. 191.
- Pipe coupling, Automatic train-. P. Cantin. No. 1,215,481; Feb. 13; v. 235; p. 382.
- Pipe coupling, Automatic train-. J. V. Robinson. No. 1,212,684; Jan. 16; v. 234; p. 865.
- Pipe coupling, Automatic train-. J. V. Robinson. No. 1,245,772; Nov. 6; v. 244; p. 190.
- Pipe coupling, Automatic train-. J. V. Robinson. No. 1,245,778; Nov. 6; v. 244; p. 192.
- Pipe coupling, Automatic train-. J. V. Robinson. No. 1,245,779; Nov. 6; v. 244; p. 193.
- Pipe coupling, Automatic train-. J. V. Robinson. No. 1,245,780; Nov. 6; v. 244; p. 193.
- Pipe coupling, Automatic train-. J. V. Robinson. No. 1,245,782; Nov. 6; v. 244; p. 193.
- Pipe coupling, Automatic train-. J. V. Robinson. No. 1,245,794; Nov. 6; v. 244; p. 198.
- Pipe coupling, Automatic train-. J. V. Robinson. No. 1,245,797; Nov. 6; v. 244; p. 199.
- Pipe coupling, Automatic train-. J. V. Robinson. No. 1,245,798; Nov. 6; v. 244; p. 199.
- Pipe-coupling bracket. A. G. Elvin. No. 1,235,800; July 31; v. 240; p. 1355.
- Pipe-coupling clamp. A. Kertész. No. 1,223,054; Apr. 17; v. 237; p. 790.
- Pipe-coupling, Detachable. E. F. Berry. No. 1,233,168; July 10; v. 240; p. 571.
- Pipe-coupling, Flexible. B. Haskell. No. 1,235,797; Aug. 7; v. 241; p. 87.
- Pipe-coupling for irrigating systems. W. H. Coles. No. 1,235,657; Aug. 7; v. 241; p. 41.
- Pipe-coupling machine. J. M. Winingham. No. 1,242,627; Oct. 9; v. 243; p. 409.
- Pipe coupling, Tile-. P. F. Brown. No. 1,231,699; July 3; v. 240; p. 55.
- Pipe coupling, Tile-. P. F. Brown. No. 1,231,700; July 3; v. 240; p. 56.
- Pipe coupling, Train-. T. W. Vanbuskirk. No. 1,225,080; May 8; v. 238; p. 388.
- Pipe-cover. W. A. Boutelle. No. 1,236,398; Aug. 14; v. 241; p. 309.
- Pipe-cover. B. Granville. No. 1,220,328; Mar. 27; v. 236; p. 956.
- Pipe-cover. S. Schmaus. No. 1,223,835; Apr. 24; v. 237; p. 1094.
- Pipe-cover. S. Schmaus. No. 1,223,836; Apr. 24; v. 237; p. 1095.
- Pipe-covering. C. B. Longley. No. 1,251,393; Dec. 25; v. 245; p. 987.
- Pipe-covering system, Underground-. W. L. Steffens. No. 1,227,087; May 22; v. 238; p. 1149.
- Pipe-cutter. M. Cramer. No. 1,215,120; Feb. 6; v. 235; p. 222.
- Pipe-cutter. M. Cramer. No. 1,215,121; Feb. 6; v. 235; p. 223.
- Pipe-cutter. F. W. Erickson. No. 1,216,426; Feb. 20; v. 235; p. 775.
- Pipe-cutter. N. H. Foringer. No. 1,242,931; Oct. 16; v. 243; p. 540.
- Pipe-cutter. H. Harbeckes. No. 1,217,305; Feb. 27; v. 235; p. 1119.
- Pipe-cutter. C. H. and H. R. Loughridge. No. 1,244,874; Oct. 30; v. 243; p. 1203.
- Pipe-cutter and coupling-splitter, Combination. W. H. Dean. No. 1,244,299; Oct. 23; v. 243; p. 991.
- Pipe cutter, groover, and reamer, Combined. E. J. Murphy. No. 1,237,677; Aug. 21; v. 241; p. 762.
- Pipe-cutter's work-bench. C. H. and H. R. Loughridge. No. 1,225,981; May 15; v. 238; p. 736.
- Pipe-cutting machine, Automatic. V. R. Koontz. No. 1,212,507; Jan. 16; v. 234; p. 800.
- Pipe-cutting wrench. R. E. Creamer. No. 1,215,623; Feb. 13; v. 235; p. 437.
- Pipe-die. T. H. Field. No. 1,235,303; July 31; v. 240; p. 1357.
- Pipe-fitting. D. M. Fraser. No. 1,225,795; May 15; v. 238; p. 674.
- Pipe-fitting. G. K. Gilbert. No. 1,236,160; Aug. 7; v. 241; p. 202.
- Pipe-fitting. M. L. Nix. No. 1,226,690; May 22; v. 238; p. 1012.
- Pipe-fitting. C. J. Rateike. No. 1,232,972; July 10; v. 240; p. 508.
- Pipe-fittings and the like, Double-core arbor for. C. A. Hamilton. No. 1,237,510; Aug. 21; v. 241; p. 707.
- Pipe-fittings, Mechanism for forming. C. J. Rateike. No. 1,232,974; July 10; v. 240; p. 509.
- Pipe for the conveyance of fluids. E. H. Porter. No. 1,218,895; Mar. 13; v. 236; p. 391.
- Pipe germ-trap, Soil-. A. C. Freeman, Jr. No. 1,230,473; June 19; v. 239; p. 788.
- Pipe-grip, Roller-chain. J. J. Rhineland. No. 1,217,503; Feb. 27; v. 235; p. 1191.
- Pipe-hanger. J. F. Burns. No. 1,233,181; July 10; v. 240; p. 576.
- Pipe-hanger. P. Lüpke, Jr. No. 1,224,309; May 1; v. 238; p. 70.
- Pipe-hanger, Adjustable. W. C. Duke. No. 1,221,705; Apr. 3; v. 237; p. 244.
- Pipe-holder. R. G. Lamb. No. 1,231,915; July 3; v. 240; p. 128.
- Pipe-joint. H. E. Burns. No. 1,230,375; June 19; v. 239; p. 755.
- Pipe-joint. H. E. Haller. No. 1,246,091; Nov. 13; v. 244; p. 313.
- Pipe-joint. E. Heydon. No. 1,246,427; Nov. 13; v. 244; p. 415.
- Pipe-joint. E. G. Loomis. No. 1,236,457; Aug. 14; v. 241; p. 329.
- Pipe-joint and filler therefor. J. R. McWane. No. 1,248,362; Nov. 27; v. 244; p. 1041.
- Pipe joint, Concrete-. A. M. Hirsh. No. 1,231,607; July 3; v. 240; p. 23.
- Pipe-joint-filling device. G. H. Wilkins. No. 1,226,043; May 15; v. 238; p. 758.
- Pipe-joint, Flexible. J. H. Phillips, Jr. No. 1,220,270; Mar. 27; v. 236; p. 933.
- Pipe-joint for double pipes. W. M. White. No. 1,217,543; Feb. 27; v. 235; p. 1206.
- Pipe-joint, Insulated. O. H. and A. F. Pieper. No. 1,230,213; June 19; v. 239; p. 702.
- Pipe-joint-sealing apparatus. E. C. Woodward. No. 1,240,288; Sept. 18; v. 242; p. 563.
- Pipe-joint-sealing device. E. M. Spiekerman. No. 1,240,507; Sept. 18; v. 242; p. 632.
- Pipe-joint, Self-tightening ball-and-socket. T. C. Van Epps. No. 1,223,645; Apr. 24; v. 237; p. 1027.
- Pipe-joints, Filler for. J. R. McWane. No. 1,248,361; Nov. 27; v. 244; p. 1041.
- Pipe-joints, Forming. D. B. Dimick. No. 1,213,760; Jan. 23; v. 234; p. 1267.
- Pipe-joints, Sealing. E. C. Woodward. No. 1,240,287; Sept. 18; v. 242; p. 563.
- Pipe-laying apparatus. W. L. Chapman. No. 1,220,187; Mar. 27; v. 236; p. 905.
- Pipe-laying apparatus. W. L. Chapman. No. 1,220,188; Mar. 27; v. 236; p. 905.
- Pipe-laying apparatus. W. L. Chapman. No. 1,220,189; Mar. 27; v. 236; p. 905.
- Pipe-laying apparatus. W. L. Chapman. No. 1,220,190; Mar. 27; v. 236; p. 906.
- Pipe-laying machine. J. J. Mahoney and W. L. Norris. No. 1,210,823; Jan. 2; v. 234; p. 152.
- Pipe-laying machine. J. J. Mahoney and W. L. Norris. No. 1,210,824; Jan. 2; v. 234; p. 153.
- Pipe-lighter. K. Wieden. No. 1,212,164; Jan. 9; v. 234; p. 648.
- Pipe lines, Air-removing device for water-. C. A. Olson. No. 1,220,538; Mar. 27; v. 236; p. 1029.
- Pipe-lines, Swivel-coupling for. V. S. Durbin. No. 1,228,541; June 5; v. 239; p. 57.
- Pipe-locking means, Slip-joint-. J. Peeper. No. 1,226,002; May 15; v. 238; p. 743.
- Pipe, Making flanged. L. C. Schneider. No. 1,222,679; Apr. 17; v. 237; p. 662.
- Pipe-making machine, Cement-. J. Thomas. No. 1,211,787; Jan. 9; v. 234; p. 516.
- Pipe, Making reinforced spiral. F. W. Colby. No. 1,238,936; Sept. 4; v. 242; p. 86.
- Pipe or rod grip. J. A. Champie. No. 1,216,943; Feb. 20; v. 235; p. 951.
- Pipe or well-casing. M. L. Sweeney. No. 1,240,098; Sept. 11; v. 242; p. 464.
- Pipe-packing holder. H. Bock. No. 1,211,061; Jan. 2; v. 234; p. 237.
- Pipe-patch. F. C. Smakal. No. 1,242,060; Oct. 2; v. 243; p. 187.
- Pipe pocket, Drain-. T. J. McKeone. No. 1,240,747; Sept. 18; v. 242; p. 704.
- Pipe-pulling device. W. R. Osborne. No. 1,241,430; Sept. 25; v. 242; p. 951.
- Pipe reamer, Drain-. A. Hochberg. No. 1,221,734; Apr. 3; v. 237; p. 254.
- Pipe-remover. H. A. Cooper. No. 1,227,391; May 22; v. 238; p. 1248.
- Pipe-screwing machine. J. J. Mahoney and W. L. Norris. No. 1,210,825; Jan. 2; v. 234; p. 153.
- Pipe-shipping case, Lead-. I. I. Shonberg. No. 1,243,229; Oct. 16; v. 243; p. 633.
- Pipe-squeezer. C. H. Richardson. No. 1,223,522; Apr. 24; v. 237; p. 984.
- Pipe-stem. E. H. Specht. No. 1,219,678; Mar. 20; v. 236; p. 689.
- Pipe-strainer. B. E. Taylor. No. 1,223,299; Apr. 17; v. 237; p. 870.
- Pipe-support. G. Tittmann. No. 1,241,683; Oct. 2; v. 243; p. 69.
- Pipe-supporting frame. R. D. Kimball. No. 1,220,343; Mar. 27; v. 236; p. 962.
- Pipe-taps, Forming. M. A. Possons. No. 1,210,692; Jan. 2; v. 234; p. 109.
- Pipe test-plugs, Clamp for soil-. W. A. Smith. No. 1,226,023; May 15; v. 238; p. 751.
- Pipe thimble, Steam-. G. Mehning. No. 1,219,576; Mar. 20; v. 236; p. 654.
- Pipe-thread protector. M. L. Moore. No. 1,211,477; Jan. 9; v. 234; p. 410.
- Pipe threading and cutting machine. F. A. Lovgrove. No. 1,244,996; Oct. 30; v. 243; p. 1239.
- Pipe-threading die. A. J. Steffenberg. No. 1,241,048; Sept. 25; v. 242; p. 831.
- Pipe-threading machine. W. T. Johnston. No. 1,231,743; July 3; v. 240; p. 71.

Alphabetical list of inventions—Continued.

- Pipe-threading method and apparatus. F. P. McMillan. No. 1,243,321; Oct. 16; v. 243; p. 661.
- Pipe-union. D. Craig. No. 1,215,347; Feb. 13; v. 235; p. 335.
- Pipe-union. D. Craig. No. 1,225,777; May 15; v. 238; p. 668.
- Pipe-union. J. F. Crowe. No. 1,248,275; Nov. 27; v. 244; p. 1018.
- Pipe union or coupling seal. M. A. Shadley. No. 1,213,426; Jan. 23; v. 234; p. 1155.
- Pipe-wrench. M. F. Driscoll. No. 1,223,680; Apr. 24; v. 237; p. 1040.
- Pipe-wrench. M. E. Freeman. No. 1,225,024; May 8; v. 238; p. 370.
- Pipe-wrench. J. G. Gilmore. No. 1,213,351; Jan. 23; v. 234; p. 1129.
- Pipe-wrench. H. G. Norwood. No. 1,218,576; Mar. 6; v. 236; p. 237.
- Pipe-wrench. A. Placek. No. 1,244,126; Oct. 23; v. 243; p. 938.
- Pipe-wrench. G. W. Willard. No. 1,225,909; May 15; v. 238; p. 712.
- Pipe-wrench. Chain. A. Lafon. No. 1,237,659; Aug. 21; v. 241; p. 756.
- Pipes and conduits. Machine for making. W. R. Hume. No. 1,232,316; July 3; v. 240; p. 260.
- Pipes and the like. Gripping device for use in raising and lowering. T. G. J. Bishop. No. 1,214,417; Jan. 30; v. 234; p. 1524.
- Pipes, conduits, and the like. Machine for manufacturing. W. R. Hume. No. 1,233,239; July 10; v. 240; p. 593.
- Pipes, cylinders, &c., Machine for the manufacture of. D. S. de Lavaud. No. 1,223,676; Apr. 24; v. 237; p. 1039.
- Pipes. Device for extracting foreign substances from. I. G. Hanlein. No. 1,218,764; Mar. 13; v. 236; p. 342.
- Pipes. Electrical means for locating concealed. E. H. Grove. No. 1,241,963; Oct. 2; v. 243; p. 157.
- Pipes to shift longitudinally. Device for checking the tendency of train-. A. R. Ayers. No. 1,211,039; Jan. 2; v. 234; p. 229.
- Pipes, tubes, or the like. Apparatus for producing ribbed. O. V. Cardell. No. 1,216,657; Feb. 20; v. 235; p. 856.
- Pipes. Water-submerged air-chamber for water-. H. H. York. No. 1,216,761; Feb. 20; v. 235; p. 890.
- Pistol. Air-. C. W. Matz and C. H. Hale. No. 1,234,062; July 17; v. 240; p. 896.
- Pistol. Automatic. W. Chylewski. No. 1,224,902; May 8; v. 238; p. 329.
- Pistol-bayonet. A. G. M. Pansa. No. 1,231,058; June 26; v. 239; p. 1023.
- Pistol-holster. W. H. Shelton. No. 1,230,043; June 12; v. 239; p. 606.
- Pistol. Liquid-. T. R. Arden. No. 1,238,733; Sept. 4; v. 242; p. 4.
- Pistol-stock. J. H. Wesson. No. 1,228,506; June 5; v. 239; p. 45.
- Pistol-sword. N. B. Nelson. No. 1,240,478; Sept. 18; v. 242; p. 623.
- Pistols. Sword and guard attachment for. P. Scubelek. No. 1,214,834; Feb. 6; v. 235; p. 121.
- Piston. O. E. Barthel. No. 1,224,999; May 8; v. 238; p. 362.
- Piston. J. F. Brown. No. 1,226,459; May 15; v. 238; p. 898.
- Piston. G. E. Chédru. No. 1,220,070; Mar. 20; v. 236; p. 826.
- Piston. G. W. Daggett. No. 1,216,955; Feb. 20; v. 235; p. 956.
- Piston. H. E. Dodge. No. 1,218,986; Mar. 13; v. 236; p. 421.
- Piston. A. B. Eddowes. No. 1,216,218; Feb. 13; v. 235; p. 649.
- Piston. C. R. Green. No. 1,228,909; June 5; v. 239; p. 182.
- Piston. R. F. Johnson. No. 1,245,236; Nov. 6; v. 244; p. 29.
- Piston. R. S. Kern. No. 1,218,569; Mar. 6; v. 236; p. 235.
- Piston. J. T. King. No. 1,222,413; Apr. 10; v. 237; p. 527.
- Piston. A. Maire. No. 1,249,799; Dec. 11; v. 245; p. 428.
- Piston and piston-ring. C. E. Johnson. No. 1,240,456; Sept. 18; v. 242; p. 617.
- Piston and piston-ring. Explosion-engine. W. M. Rohi. No. 1,232,846; July 10; v. 240; p. 466.
- Piston. Combustion-engine. A. Bie. No. 1,226,631; May 22; v. 238; p. 993.
- Piston. Composite. E. W. Clark. No. 1,221,419; Apr. 3; v. 237; p. 147.
- Piston construction. A. J. Wanner. No. 1,238,602; Aug. 28; v. 241; p. 1092.
- Piston. Engine. H. Lemp and H. W. Stock. No. 1,212,517; Jan. 16; v. 234; p. 803.
- Piston for explosive-engines. E. O. Spillman. No. 1,229,540; June 12; v. 239; p. 443.
- Piston for internal-combustion engines. L. Coatalen. No. 1,240,421; Sept. 18; v. 242; p. 605.
- Piston for internal-combustion engines. G. D. Pogue. No. 1,229,133; June 5; v. 239; p. 255.
- Piston for internal-combustion engines. G. R. Rich. No. 1,228,048; May 29; v. 238; p. 1501.
- Piston for internal-combustion engines. G. R. Rich. No. 1,228,049; May 29; v. 238; p. 1501.
- Piston for internal-combustion engines. R. E. Rich. No. 1,248,162; Nov. 27; v. 244; p. 985.
- Piston for internal-combustion engines. C. W. Underwood. No. 1,224,239; May 1; v. 238; p. 44.
- Piston for internal-combustion engines. W. E. Ver Planck. No. 1,245,641; Nov. 6; v. 244; p. 151.
- Piston for oil-engines. H. R. Setz. No. 1,222,147; Apr. 10; v. 237; p. 432.
- Piston-head. B. W. Beery. No. 1,219,223; Mar. 13; v. 236; p. 501.
- Piston-head for engines. H. T. Dealy. No. 1,240,684; Sept. 18; v. 242; p. 685.
- Piston-machines. Lubricating mechanism for. G. D. Pogue. No. 1,230,513; June 19; v. 239; p. 801.
- Piston particularly for internal-combustion engines. F. T. Burgess. No. 1,226,306; May 15; v. 238; p. 852.
- Piston-pin-locking mechanism. F. G. Hobart. No. 1,211,582; Jan. 9; v. 234; p. 446.
- Piston, plunger, and the like. A. R. Trist. No. 1,234,972; July 31; v. 240; p. 1257.
- Piston-replacing device. J. F. Haussmann. No. 1,235,315; July 31; v. 240; p. 1360.
- Piston-ring. S. T. Allen. No. 1,237,853; Aug. 21; v. 241; p. 816.
- Piston-ring. A. A. Ballmer. No. 1,225,101; May 8; v. 238; p. 396.
- Piston-ring. J. A. Charter. No. 1,250,431; Dec. 18; v. 245; p. 653.
- Piston-ring. M. L. Dunham. No. 1,241,835; Oct. 2; v. 243; p. 118.
- Piston-ring. M. L. Dunham. No. 1,241,836; Oct. 2; v. 243; p. 118.
- Piston-ring. M. L. Dunham. No. 1,241,837; Oct. 2; v. 243; p. 118.
- Piston-ring. J. W. Ford. No. 1,247,949; Nov. 27; v. 244; p. 926.
- Piston-ring. J. C. Henderson. No. 1,214,303; Jan. 30; v. 234; p. 1487.
- Piston-ring. A. J. Sauer and J. J. Georgi. No. 1,239,726; Sept. 11; v. 242; p. 350.
- Piston-ring-clamping tool. L. E. Olmsted. No. 1,242,027; Oct. 2; v. 243; p. 178.
- Piston ring. Engine. J. R. French. No. 1,251,212; Dec. 25; v. 245; p. 933.
- Piston-ring locking device. W. Nordgren. No. 1,240,764; Sept. 18; v. 242; p. 710.
- Piston-ring. Metallic. G. C. Siebert. No. 1,223,296; Apr. 17; v. 237; p. 870.
- Piston-ring-milling machine. G. H. Blettner. No. 1,223,929; Apr. 24; v. 237; p. 1126.
- Piston-rings and apparatus therefor. Dressing. W. T. Clark. No. 1,219,440; Mar. 20; v. 236; p. 606.
- Piston-rings. Apparatus for producing lapped joints for. M. L. Dunham. No. 1,242,662; Oct. 9; v. 243; p. 420.
- Piston-rings. Making. G. H. Blettner. No. 1,223,930; Apr. 24; v. 237; p. 1127.
- Piston-rings. Manufacturing. J. Flammang. No. 1,212,337; Jan. 16; v. 234; p. 740.
- Piston-rings. Manufacturing. C. E. Johnson. No. 1,214,549; Feb. 6; v. 235; p. 23.
- Piston-rings. Producing. M. L. Dunham. No. 1,219,270; Mar. 13; v. 236; p. 517.
- Piston-rod. J. R. French. No. 1,218,074; Mar. 6; v. 236; p. 65.
- Piston-rod. J. D. Jones. No. 1,231,900; July 3; v. 240; p. 123.
- Piston-rotator. W. V. Turner. No. 1,228,496; June 5; v. 239; p. 41.
- Piston. Sheet-metal. T. E. Murray. No. 1,215,969; Feb. 13; v. 235; p. 560.
- Piston. Steam-heated. E. H. Ludeman. No. 1,249,789; Dec. 11; v. 245; p. 425.
- Piston-wheel. Helical. E. Nuebling. No. 1,233,599; July 17; v. 240; p. 750.
- Pistons. Device for expanding. R. S. Sincoe. No. 1,249,679; Dec. 11; v. 245; p. 392.
- Pistons for fluid-pressure engines. Constructing. E. Talbot. No. 1,233,726; July 17; v. 240; p. 789.
- Pistons of internal-combustion engines. Cooling system for the. F. L. Chamberlin. No. 1,223,668; Apr. 24; v. 237; p. 1036.
- Pistons of internal-combustion engines. Means for cooling the. B. Kramer. No. 1,251,387; Dec. 25; v. 245; p. 985.
- Pistons. Water-cooling device for engine-. C. M. Blanchard. No. 1,225,401; May 8; v. 238; p. 499.
- Pit-cages. Safety apparatus for. R. Cushion. No. 1,235,118; July 31; v. 240; p. 1301.
- Pitch or the like material. Disintegrating and lading hard. C. Still. No. 1,221,241; Apr. 3; v. 237; p. 84.
- Pitch-pipe. P. L. Sorensen. No. 1,246,483; Nov. 13; v. 244; p. 432.
- Pitcher-cover. D. J. Cable. No. 1,246,390; Nov. 13; v. 244; p. 404.
- Pitcher. Milk-. M. H. Stuewe. No. 1,216,180; Feb. 13; v. 235; p. 636.
- Pitcher. Syrup-. A. J. Boyles. No. 1,241,912; Oct. 2; v. 243; p. 142.
- Pitchfork. E. L. Bell. No. 1,216,926; Feb. 20; v. 235; p. 945.
- Pitchfork attachment. A. K. Henrikson. No. 1,236,932; Aug. 14; v. 241; p. 485.
- Pitchfork attachment. H. G. Pietz. No. 1,245,162; Nov. 6; v. 244; p. 6.

- Pitchfork, Removable-tine. H. C. Funk. No. 1,233,33. July 17; v. 240; p. 660.
- Pitchforks, Scraper attachment for. M. Albros. No. 1,234,110; July 24; v. 240; p. 947.
- Pitman, E. R. Bouchard. No. 1,225,756; May 15; v. 238; p. 661.
- Pitman, C. Pearson. No. 1,226,364; May 15; v. 238; p. 869.
- Pitman, W. S. Poe. No. 1,235,839; Aug. 7; v. 241; p. 101.
- Pitman, J. W. Storm. No. 1,242,492; Oct. 9; v. 243; p. 365.
- Pitot tube. J. M. Spitzglass. No. 1,250,238; Dec. 18; v. 245; p. 595.
- Pitter, L. T. Argo. No. 1,228,279; May 29; v. 238; p. 1574.
- Pivot construction. W. C. Van Dresser. No. 1,216,520; Feb. 20; v. 235; p. 807.
- Pivot-joints, Cushion-support for. F. Cheney. No. 1,228,406; June 5; v. 239; p. 11.
- Pivot-pins, Forming river ends of. C. H. Douglas. No. 1,247,093; Nov. 20; v. 244; p. 646.
- Placer-machine. J. W. Woods. No. 1,211,518; Jan. 9; v. 234; p. 424.
- Plaiting device. M. D. Dickman. No. 1,231,138; June 26; v. 239; p. 1051.
- Plaiting-machine. J. Aranyossy. No. 1,218,351; Mar. 6; v. 236; p. 161.
- Plaiting-machine. J. B. Dalbey. No. 1,242,425; Oct. 9; v. 243; p. 344.
- Plane. J. W. Gaede. No. 1,221,436; Apr. 3; v. 237; p. 153.
- Plane. W. E. Sparks. No. 1,213,552; Jan. 23; v. 234; p. 1199.
- Plane, Combination carpenter's. H. W. Luskey and L. C. Payne. No. 1,239,197; Sept. 4; v. 242; p. 152.
- Plane, Self-lubricating. F. Méray. No. 1,222,438; Apr. 10; v. 237; p. 535.
- Plane-spur. E. A. Schade. No. 1,249,674; Dec. 11; v. 245; p. 390.
- Planer and system of motor control therefor. W. T. Sears and S. H. Keefer. (Reissue.) No. 14,296; May 1; v. 238; p. 276.
- Planer attachment. H. J. Kinonian. No. 1,211,174; Jan. 2; v. 234; p. 273.
- Planer, Beveling and line-tracing. G. A. Dickie. No. 1,237,487; Aug. 21; v. 241; p. 699.
- Planer, Beveling and line-tracing. G. A. Dickie. No. 1,249,349; Dec. 11; v. 245; p. 298.
- Planer, Floor-. A. Shields. No. 1,236,611; Aug. 14; v. 241; p. 379.
- Planer-tool holder, Double-cutting-. C. H. Dunsford. No. 1,244,302; Oct. 23; v. 243; p. 993.
- Planers, Safety-guard for rotary. J. D. Wallace. No. 1,241,588; Oct. 2; v. 243; p. 39.
- Planers, Tool-holder for. C. A. Johnson. No. 1,223,493; Apr. 24; v. 237; p. 972.
- Planing-machine. C. G. Osteman. No. 1,240,769; Sept. 18; v. 242; p. 712.
- Planing machine, Metal-. C. F. Frede. No. 1,215,514; Feb. 13; v. 235; p. 395.
- Planing-machine, Portable. O. F. Thorn. No. 1,243,460; Oct. 16; v. 243; p. 700.
- Planing-machine shaping mechanism. W. F. Meyers and M. Simons. No. 1,216,588; Feb. 20; v. 235; p. 832.
- Planing machine, Wood-. A. E. Folsom. No. 1,212,618; Jan. 16; v. 234; p. 839.
- Planing-machines and the like reciprocating tools, Apparatus for electrically operating. A. P. Wood and R. S. McLeod. No. 1,232,150; July 3; v. 240; p. 208.
- Planetary transmission. S. V. Dickman. No. 1,245,692; Nov. 6; v. 244; p. 167.
- Plansifter. E. Roth. No. 1,210,989; Jan. 2; v. 234; p. 211.
- Plant blocking or spacing machine. H. M. Slemann. No. 1,211,971; Jan. 9; v. 234; p. 585.
- Plant-box. E. C. White. No. 1,239,994; Sept. 11; v. 242; p. 434.
- Plant-forcing-device clamp. C. H. Allender. No. 1,239,071; Sept. 4; v. 242; p. 112.
- Plant-protector. J. H. Cook. No. 1,245,441; Nov. 6; v. 244; p. 89.
- Plant protector and irrigator. T. J. Sheridan. No. 1,218,326; Mar. 6; v. 236; p. 154.
- Plant protector and irrigator, Combined. J. P. Arnold. No. 1,244,576; Oct. 30; v. 243; p. 1113.
- Plant-receptacle. C. W. Clifford. No. 1,226,311; May 15; v. 238; p. 853.
- Plant-setter. H. A. Bley. No. 1,222,921; Apr. 17; v. 237; p. 744.
- Plant-setting machine. S. T. Davis. No. 1,215,125; Feb. 6; v. 235; p. 224.
- Plant-setting machine. L. Shaffer. No. 1,230,806; June 19; v. 239; p. 898.
- Plant-support. W. D. Robinson. No. 1,244,897; Oct. 30; v. 243; p. 1210.
- Plants, &c., Apparatus for applying powdered material to. E. A. Rogers. No. 1,239,042; Sept. 4; v. 242; p. 103.
- Planter. R. J. Altgelt. No. 1,233,010; July 10; v. 240; p. 519.
- Planter. G. A. Baker. No. 1,218,159; Mar. 6; v. 236; p. 95.
- Planter. W. B. Bland. No. 1,231,558; July 3; v. 240; p. 5.
- Planter. W. H. Boon. No. 1,213,830; Jan. 30; v. 234; p. 1323.
- Planter, M. C. Chadbourne. No. 1,250,559; Dec. 18; v. 245; p. 692.
- Planter, J. D. Chantler. (Reissue.) No. 14,238; Jan. 2; v. 234; p. 342.
- Planter, E. M. and E. W. Cole. No. 1,226,187; May 15; v. 238; p. 807.
- Planter, C. H. Dooley. No. 1,215,626; Feb. 13; v. 235; p. 438.
- Planter, E. J. Gruben. No. 1,212,477; Jan. 16; v. 234; p. 788.
- Planter, W. D. Heflin. No. 1,212,946; Jan. 16; v. 234; p. 953.
- Planter, C. R. Hodge, C. E. Graham, and R. C. Woodard. No. 1,216,449; Feb. 20; v. 235; p. 783.
- Planter, T. W. Hicks. No. 1,231,353; June 26; v. 239; p. 1121.
- Planter, A. L. Jones. No. 1,212,067; Jan. 9; v. 234; p. 614.
- Planter, A. H. Kindt. No. 1,211,596; Jan. 9; v. 234; p. 451.
- Planter, G. W. Kone. No. 1,219,644; Mar. 20; v. 236; p. 678.
- Planter, M. O. McMullen. No. 1,236,377; Aug. 7; v. 241; p. 269.
- Planter, C. T. Ray. No. 1,213,411; Jan. 23; v. 234; p. 1149.
- Planter, O. C. Sims. No. 1,229,158; June 5; v. 239; p. 263.
- Planter, C. B. Smith and L. L. Miller. No. 1,218,961; Mar. 13; v. 236; p. 412.
- Planter, J. E. Taylor. No. 1,227,018; May 22; v. 238; p. 1126.
- Planter, J. M. Vasconcellos. No. 1,239,646; Sept. 11; v. 242; p. 323.
- Planter and cultivator, Combined. A. L. Thomas. No. 1,216,377; Feb. 20; v. 235; p. 757.
- Planter and fertilizer-distributor, Combined. R. E. Dial. No. 1,216,419; Feb. 20; v. 235; p. 773.
- Planter and hill-marker, Corn-. F. W. Woratzeck. No. 1,211,265; Jan. 2; v. 234; p. 307.
- Planter attachment. J. D. Drummond. No. 1,211,558; Jan. 9; v. 234; p. 439.
- Planter attachment. F. Sherwin. No. 1,220,014; Mar. 20; v. 236; p. 805.
- Planter attachment. F. Sherwin. No. 1,235,606; Aug. 7; v. 241; p. 25.
- Planter attachment, Corn-. E. O. Laugen and S. S. Vathing. No. 1,215,943; Feb. 13; v. 235; p. 551.
- Planter attachment, Corn-. J. Moir and H. P. McFarland. No. 1,215,960; Feb. 13; v. 235; p. 557.
- Planter attachment, Corn-. G. Uitsch. No. 1,233,146; July 10; v. 240; p. 564.
- Planter, Check-row. S. L. Goodin. No. 1,229,941; June 12; v. 239; p. 575.
- Planter check-row attachment. A. L. Walters. No. 1,218,820; Mar. 13; v. 236; p. 363.
- Planter check-row device, Corn-. W. M. Webb. No. 1,230,353; June 19; v. 239; p. 749.
- Planter-clutch-controlling mechanism, Corn-. R. L. Ford. No. 1,250,298; Dec. 18; v. 245; p. 612.
- Planter, Corn-. D. N. Collum. No. 1,244,957; Oct. 30; v. 243; p. 1228.
- Planter, Corn-. T. J. Ellison. No. 1,233,208; July 10; v. 240; p. 585.
- Planter, Corn-. E. E. Englund. No. 1,211,365; Jan. 2; v. 234; p. 337.
- Planter, Corn-. E. E. Englund. No. 1,216,788; Feb. 20; v. 235; p. 900.
- Planter, Corn-. L. E. Fagan. No. 1,241,502; Oct. 2; v. 243; p. 8.
- Planter, Corn-. S. H. Garst. No. 1,229,604; June 12; v. 239; p. 464.
- Planter, Corn-. R. C. Henderson. No. 1,251,021; Dec. 25; v. 245; p. 878.
- Planter, Corn-. W. T. Hibler. No. 1,236,562; Aug. 14; v. 241; p. 365.
- Planter, Corn-. C. H. Kessler. No. 1,217,011; Feb. 20; v. 235; p. 975.
- Planter, Corn-. R. Kuess. No. 1,213,112; Jan. 16; v. 234; p. 1012.
- Planter, Corn-. G. H. Lorsch. No. 1,229,988; June 12; v. 239; p. 589.
- Planter, Corn-. C. Moll. No. 1,214,577; Feb. 6; v. 235; p. 33.
- Planter, Corn-. R. N. Moore. No. 1,243,541; Oct. 16; v. 243; p. 725.
- Planter, Corn-. O. G. Rieske. No. 1,248,717; Dec. 4; v. 245; p. 86.
- Planter, Corn-. J. T. Steele. No. 1,223,838; Apr. 24; v. 237; p. 1095.
- Planter, Corn-. W. M. Wilcox. No. 1,234,592; July 24; v. 240; p. 1104.
- Planter, Cotton-. W. A. Dye. No. 1,233,205; July 10; v. 240; p. 584.
- Planter, Cotton-seed. M. Y. Manley. No. 1,222,228; Apr. 10; v. 237; p. 461.
- Planter fertilizer attachment, Seed-. R. L. Ford. No. 1,211,836; Jan. 9; v. 234; p. 535.
- Planter-heel attachment. M. H. Bruninga. No. 1,231,701; July 3; v. 240; p. 56.
- Planter-marker. E. T. Carns and A. R. Bishop. No. 1,222,522; Apr. 10; v. 237; p. 564.

- Planter marker, Corn-. S. H. Garst. No. 1,211,368; Jan. 2; v. 234; p. 338.
- Planter-marking attachment. R. E. Strawn. No. 1,211,004; Jan. 2; v. 234; p. 217.
- Planter, Peanut-. T. D. Little. No. 1,222,113; Apr. 10; v. 237; p. 419.
- Planter, Peanut-. F. A. Waters. No. 1,230,350; June 19; v. 239; p. 747.
- Planter, Potato-. L. A. Aspinwall. No. 1,240,529; Sept. 18; v. 242; p. 638.
- Planter, Potato-. J. P. Davenport. No. 1,230,465; June 19; v. 239; p. 785.
- Planter, Potato-. W. Lippitz. No. 1,211,861; Jan. 9; v. 234; p. 545.
- Planter, Potato-. A. Youngren and H. L. Lind. No. 1,218,919; Mar. 13; v. 236; p. 399.
- Planter, Seed-. R. L. Ford. No. 1,250,297; Dec. 18; v. 245; p. 612.
- Planter, Seed-. G. W. Kone. No. 1,217,780; Feb. 27; v. 235; p. 1287.
- Planter, Seed-. F. Laird. No. 1,240,227; Sept. 18; v. 242; p. 545.
- Planter, Seed-. J. Letrich. No. 1,211,603; Jan. 9; v. 234; p. 453.
- Planter, Seed-. A. Sanford. No. 1,216,171; Feb. 13; v. 235; p. 633.
- Planter, Seed-. S. Swinford. No. 1,219,361; Mar. 13; v. 236; p. 548.
- Planter, Seed-. C. E. White. No. 1,247,763; Nov. 27; v. 244; p. 873.
- Planter, Seed-. P. E. Wistrand. No. 1,246,208; Nov. 13; v. 244; p. 348.
- Planter shoe, Corn-. E. J. Peterson. No. 1,219,906; Mar. 20; v. 236; p. 799.
- Planter, Universal seed-. J. A. Gardner. No. 1,222,386; Apr. 10; v. 237; p. 517.
- Planter-wheel. H. Y. Hildebrand. No. 1,238,405; Aug. 28; v. 241; p. 1028.
- Planters, Anchor for check-row. R. Reed. No. 1,247,007; Nov. 20; v. 244; p. 622.
- Planters and clod-remover in combination therewith, Gage for seed-. J. L. Meadows. No. 1,246,451; Nov. 13; v. 244; p. 421.
- Planters, Attachment for. W. H. Raulz. No. 1,242,591; Oct. 9; v. 243; p. 398.
- Planters, Auxiliary seeding attachment for. J. A. Whitworth. No. 1,237,985; Aug. 21; v. 241; p. 858.
- Planters, Check-wire-operated mechanism for. O. F. Smith. No. 1,212,413; Jan. 16; v. 234; p. 766.
- Planters, Clutch for corn-. E. W. Burgess. No. 1,247,075; Nov. 20; v. 244; p. 641.
- Planters, Clutch mechanism for corn-. E. W. Burgess. No. 1,215,478; Feb. 13; v. 235; p. 381.
- Planters, Clutch mechanism for corn-. E. W. Burgess. No. 1,216,281; Feb. 20; v. 235; p. 723.
- Planters, Clutch mechanism for corn-. W. H. Letz. No. 1,238,157; Aug. 28; v. 241; p. 946.
- Planters, Clutch mechanism for corn-. W. H. Letz. No. 1,238,158; Aug. 28; v. 241; p. 947.
- Planters, Disk attachment for. W. H. Fink. No. 1,234,745; July 31; v. 240; p. 1186.
- Planters, Disk marker for corn-. C. E. White. No. 1,215,599; Feb. 13; v. 235; p. 428.
- Planters, Fertilizer attachment for corn-. A. Holsey. No. 1,218,773; Mar. 13; v. 236; p. 345.
- Planters, Gage-wheel attachment for. J. S. McCabe. No. 1,228,682; June 5; v. 239; p. 104.
- Planters, Land-marker for. E. E. Englund. No. 1,228,764; June 5; v. 239; p. 133.
- Planters, Seed-plate and agitator mechanism for. D. D. Dooley. No. 1,215,627; Feb. 13; v. 235; p. 438.
- Planters, Valve mechanism for. D. D. Dooley. No. 1,215,628; Feb. 13; v. 235; p. 438.
- Planting. T. W. Hicks. No. 1,226,515; May 15; v. 238; p. 916.
- Planting-machine. A. De Santis. No. 1,238,393; Aug. 28; v. 241; p. 1024.
- Planting-machine. G. W. Goss. No. 1,227,610; May 29; v. 238; p. 1350.
- Planting-machine. J. G. Lehde. No. 1,248,331; Nov. 27; v. 244; p. 1038.
- Planting-machines, Fertilizer attachment for. L. A. Aspinwall. No. 1,234,525; July 24; v. 240; p. 1084.
- Planting mechanism. C. G. Strandlund. No. 1,247,728; Nov. 27; v. 244; p. 865.
- Planting mechanism. C. E. White. No. 1,236,028; Aug. 7; v. 241; p. 164.
- Planting mechanism. C. E. White. No. 1,236,519; Aug. 14; v. 241; p. 350.
- Planting-wheel. A. Chermak. No. 1,247,641; Nov. 27; v. 244; p. 835.
- Plaque. I. Rudolph. No. 1,225,179; May 8; v. 238; p. 422.
- Plaster and mortar, Making. W. C. Hay. No. 1,241,211; Sept. 25; v. 242; p. 882.
- Plaster and plaster building-blocks, Composition for making wall-. L. A. Hofman. No. 1,211,445; Jan. 9; v. 234; p. 401.
- Plaster-block-making machine. D. F. Bernhardt. No. 1,225,753; May 15; v. 238; p. 660.
- Plaster-board. E. T. Galley. No. 1,230,400; June 19; v. 239; p. 762.
- Plaster-board support. A. J. Widmer. No. 1,250,537; Dec. 18; v. 245; p. 685.
- Plaster-board-supporting metal clip. M. H. Jester. No. 1,217,603; Feb. 27; v. 235; p. 1226.
- Plaster-board with key-openings. G. P. Crumbaugh. No. 1,224,077; Apr. 24; v. 237; p. 1175.
- Plaster-boards to metal studding, Clamping-clip mechanism for securing. M. H. Jester. No. 1,234,903; July 31; v. 240; p. 1235.
- Plaster composition. C. Noll. No. 1,239,032; Sept. 4; v. 242; p. 100.
- Plaster composition, Making a. H. M. Olson. No. 1,249,997; Dec. 11; v. 245; p. 485.
- Plaster-of-Paris articles, Manufacture of. J. J. Bentz. No. 1,221,130; Apr. 3; v. 237; p. 45.
- Plaster-screed. W. H. Bauch. No. 1,248,440; Dec. 4; v. 245; p. 4.
- Plastic article and producing the same. H. W. Charlton. No. 1,242,422; Oct. 9; v. 243; p. 343.
- Plastic article and producing the same, Composite. H. W. Charlton. No. 1,242,421; Oct. 9; v. 243; p. 343.
- Plastic composition. O. Altpeter. No. 1,211,382; Jan. 9; v. 234; p. 379.
- Plastic composition. R. Castells. No. 1,219,536; Mar. 20; v. 236; p. 641.
- Plastic composition. F. A. Elliott. No. 1,238,072; Aug. 21; v. 241; p. 886.
- Plastic composition. L. Lawrence and H. A. Steele. No. 1,235,819; Aug. 7; v. 241; p. 95.
- Plastic composition. M. Link. No. 1,244,519; Oct. 30; v. 243; p. 1095.
- Plastic composition. H. H. Pierce. No. 1,245,021; Oct. 30; v. 243; p. 1247.
- Plastic composition. A. Wexler. No. 1,241,068; Sept. 25; v. 242; p. 838.
- Plastic composition and making same. M. E. Curtis. No. 1,233,264; July 10; v. 240; p. 601.
- Plastic composition and making same. H. Lieber. No. 1,213,115; Jan. 16; v. 234; p. 1013.
- Plastic composition and making same. M. A. Popkess. No. 1,240,253; Sept. 18; v. 242; p. 552.
- Plastic composition and making same, Fibrous. C. Ellis. No. 1,246,806; Nov. 13; v. 244; p. 528.
- Plastic composition and producing it. F. Klatte and A. Rollett. No. 1,241,738; Oct. 2; v. 243; p. 87.
- Plastic composition and producing same. J. D. Hollingsworth and J. Mitchen. No. 1,249,960; Dec. 11; v. 245; p. 475.
- Plastic compositions, Making. W. G. Lindsay. No. 1,229,485; June 12; v. 239; p. 424.
- Plastic compounds, Making acetyl-cellulose. W. G. Lindsay. No. 1,229,486; June 12; v. 239; p. 424.
- Plastic masses, Making. E. Krause and H. Blücher. No. 1,238,528; Aug. 28; v. 241; p. 1069.
- Plastic material and producing it. S. J. Pedchey. No. 1,234,381; July 24; v. 240; p. 1037.
- Plastic material, Mold for making blocks of. W. L. Hawkins. No. 1,236,559; Aug. 14; v. 241; p. 364.
- Plastic material, Producing a. C. Baskerville. No. 1,231,985; July 3; v. 240; p. 150.
- Plastic materials, Machine for cleaning. A. Suehy, Jr. No. 1,247,173; Nov. 20; v. 244; p. 670.
- Plastic materials, Machine for cutting. W. H. Richman. No. 1,221,594; Apr. 3; v. 237; p. 207.
- Plastic materials, Machine for working. E. E. Brown. No. 1,246,048; Nov. 13; v. 244; p. 301.
- Plastic materials, Method of and apparatus for testing the consistency of. C. M. Chapman. No. 1,233,843; July 17; v. 240; p. 827.
- Plastic products, Manufacture of. A. P. Taylor and J. D. Runyan. No. 1,212,847; Jan. 16; v. 234; p. 919.
- Plastic surfacing material and producing same. J. C. Mertens. No. 1,235,989; Aug. 7; v. 241; p. 150.
- Plastic tie. S. V. Bacon. No. 1,239,073; Sept. 4; v. 242; p. 113.
- Plastic tie. L. Estell. No. 1,218,537; Mar. 6; v. 236; p. 223.
- Plastics, Machine for testing. W. E. Field. No. 1,232,782; July 10; v. 240; p. 446.
- Plastics, Manufacture of. M. A. Popkess. No. 1,240,252; Sept. 18; v. 242; p. 552.
- Plastics, Regulating treatment of vulcanizable. E. E. A. G. Meyer. No. 1,247,985; Nov. 27; v. 244; p. 937.
- Plastics, Treating sheets of vulcanizable. R. B. Price. No. 1,211,487; Jan. 9; v. 234; p. 413.
- Plate and pan lifter. S. Kettell. No. 1,213,882; Jan. 30; v. 234; p. 1340.
- Plate-cylinder. C. A. Meisel. No. 1,220,668; Mar. 27; v. 236; p. 1073.
- Plate-developing holder. L. F. Libby. No. 1,223,057; Apr. 17; v. 237; p. 791.
- Plate-heating appliance, Dining-table. W. W. Kuhlmann. No. 1,230,727; June 19; v. 239; p. 871.
- Plate-holder. F. T. May. No. 1,215,834; Feb. 13; v. 235; p. 511.
- Plate-lifter. A. W. Losey. No. 1,224,308; May 1; v. 238; p. 69.
- Plate-lifter. F. Mitchell. No. 1,239,615; Sept. 11; v. 242; p. 314.
- Plate-lifting device. D. S. Davidson. No. 1,232,234; July 3; v. 240; p. 234.
- Plate, Mounting-. H. E. Borger and J. H. Richards. No. 1,249,308; Dec. 11; v. 245; p. 286.

- Plate or pan lifter. S. E. Brunck. No. 1,232,890; July 10; v. 240; p. 482.
- Plate-press for the manufacture of pressed composite insulating sheets or plates. E. Haefely. No. 1,246,740; Nov. 13; v. 244; p. 507.
- Plate-rack. G. O. Brekke. No. 1,216,061; Feb. 13; v. 235; p. 594.
- Plate-stop. O. Roesen. No. 1,233,403; July 17; v. 240; p. 684.
- Plate-trimming machine. F. C. Leethem. No. 1,219,566; Mar. 20; v. 236; p. 652.
- Plates, &c., Apparatus for manufacturing. J. M. A. Faure. No. 1,247,384; Nov. 20; v. 244; p. 729.
- Platen. B. Pearson. No. 1,238,049; Aug. 21; v. 241; p. 878.
- Platen connection. F. V. Simpson. No. 1,228,978; June 5; v. 239; p. 203.
- Platen-release mechanism. B. J. Dowd. No. 1,247,383; Nov. 20; v. 244; p. 729.
- Platform, Dumping-. F. W. Cooley. No. 1,250,974; Dec. 25; v. 245; p. 864.
- Platform hanger, Portable-. J. Blaha. No. 1,250,930; Dec. 18; v. 245; p. 801.
- Platform, Revolving. A. E. and A. C. Fischer. No. 1,225,793; May 15; v. 238; p. 673.
- Plating apparatus. G. T. Potthoff. No. 1,233,602; July 17; v. 240; p. 751.
- Plating metals. C. W. Parker. No. 1,211,218; Jan. 2; v. 234; p. 289.
- Plating, Method of metal-. E. L. Watrous. No. 1,221,397; Apr. 3; v. 237; p. 139.
- Plating, Process of. L. W. Bugbee. No. 1,214,271; Jan. 30; v. 234; p. 1474.
- Player-action. G. P. Brand. No. 1,232,198; July 3; v. 240; p. 222.
- Player-action, Pneumatic. F. Carnahan. No. 1,250,428; Dec. 18; v. 245; p. 652.
- Player-action, Pneumatic. F. E. Nichols and E. W. Feltis. No. 1,229,501; June 12; v. 239; p. 428.
- Player-actions, Valve for pneumatic. E. C. Hiscock. No. 1,240,848; Sept. 25; v. 242; p. 770.
- Player mechanism, Pneumatic. F. C. White. No. 1,227,510; May 22; v. 238; p. 1288.
- Player, Pneumatic. C. Freborg. No. 1,233,336; July 17; v. 240; p. 660.
- Playing-ball and making the same. R. T. Griffiths. No. 1,240,438; Sept. 18; v. 242; p. 610.
- Playing-balls, Manufacturing. R. T. Griffiths. No. 1,240,439; Sept. 18; v. 242; p. 610.
- Playing device for stringed instruments, Automatic. B. L. Cartmell. No. 1,238,884; Sept. 4; v. 242; p. 52.
- Playing-instruments, Panel-controller for automatic. F. C. White. No. 1,235,526; July 31; v. 240; p. 1424.
- Pleasure-boat. I. Chase. No. 1,250,560; Dec. 18; v. 245; p. 692.
- Pliers. W. Francis. No. 1,214,446; Jan. 30; v. 234; p. 1534.
- Pliers. A. J. Jones. No. 1,231,167; June 26; v. 239; p. 1060.
- Pliers. F. J. Stallings. No. 1,250,690; Dec. 18; v. 245; p. 729.
- Pliers. L. S. Starrett. No. 1,210,558; Jan. 2; v. 234; p. 63.
- Pliers. E. Stead. No. 1,225,074; May 8; v. 238; p. 386.
- Pliers. G. B. Weldon and F. B. Rambo. No. 1,216,527; Feb. 20; v. 235; p. 809.
- Pliers and wire-splicer, Combination. G. D. Kennedy. No. 1,212,501; Jan. 16; v. 234; p. 798.
- Pliers, Combination-. L. Terzaghi. No. 1,222,489; Apr. 10; v. 237; p. 553.
- Pliers, Combination stripping and splitting. S. E. Aaron. No. 1,222,513; Apr. 10; v. 237; p. 561.
- Pliers, Culinary. J. B. Cottrell. No. 1,224,606; May 1; v. 238; p. 175.
- Pliers, Gas-. W. S. Thomson. No. 1,216,886; Feb. 20; v. 235; p. 933.
- Pliers, Optician's pupillary. A. K. Downs. No. 1,223,679; Apr. 24; v. 237; p. 1040.
- Pliers, Stove-lid. E. Weber. No. 1,212,858; Jan. 16; v. 234; p. 923.
- Plotting-indicator. E. A. Sperry. No. 1,215,425; Feb. 13; v. 235; p. 362.
- Plow. W. H. Alston. No. 1,243,378; Oct. 16; v. 243; p. 676.
- Plow. T. R. Banks. No. 1,236,252; Aug. 7; v. 241; p. 233.
- Plow. D. A. Biebinge. No. 1,232,483; July 10; v. 240; p. 349.
- Plow. D. A. Biebinge. No. 1,246,851; Nov. 20; v. 244; p. 577.
- Plow. L. O. Bobo. No. 1,222,064; Apr. 10; v. 237; p. 401.
- Plow. J. C. Bohmker. No. 1,230,846; June 26; v. 239; p. 951.
- Plow. W. H. Bonkemeyer. No. 1,214,993; Feb. 6; v. 235; p. 181.
- Plow. J. Buchanan. No. 1,250,962; Dec. 25; v. 245; p. 861.
- Plow. C. J. Caddell. No. 1,231,237; June 26; v. 239; p. 1083.
- Plow. J. L. Caddell. No. 1,233,751; July 17; v. 240; p. 796.
- Plow. W. W. Cameron. No. 1,227,745; May 29; v. 238; p. 1397.
- Plow. F. E. Davis and W. W. Cameron. No. 1,232,661; July 10; v. 240; p. 405.
- Plow. A. Gardon. No. 1,224,371; May 1; v. 238; p. 92.
- Plow. J. P. Haffner. No. 1,243,833; Oct. 23; v. 243; p. 851.
- Plow. F. E. Hand. No. 1,226,510; May 15; v. 238; p. 915.
- Plow. W. T. Hutchison. No. 1,240,047; Sept. 11; v. 242; p. 449.
- Plow. C. R. Juran. No. 1,243,072; Oct. 16; v. 243; p. 586.
- Plow. A. C. Lovell. No. 1,241,530; Oct. 2; v. 243; p. 19.
- Plow. W. M. McCafferty. No. 1,239,281; Sept. 4; v. 242; p. 181.
- Plow. J. McGrady. No. 1,251,068; Dec. 25; v. 245; p. 892.
- Plow. W. F. Moore. No. 1,218,883; Mar. 13; v. 236; p. 387.
- Plow. F. Munsey. No. 1,216,836; Feb. 20; v. 235; p. 915.
- Plow. M. J. Salas. No. 1,237,825; Aug. 21; v. 241; p. 808.
- Plow. H. Schneider. No. 1,217,839; Feb. 27; v. 235; p. 1307.
- Plow. F. Simpson. No. 1,222,898; Apr. 17; v. 237; p. 736.
- Plow. E. H. Thoreson. No. 1,232,997; July 10; v. 240; p. 515.
- Plow. L. E. Waterman. No. 1,215,754; Feb. 13; v. 235; p. 482.
- Plow. L. E. Waterman. No. 1,229,354; June 12; v. 239; p. 379.
- Plow. F. L. Westbrook. No. 1,230,963; June 26; v. 239; p. 990.
- Plow. E. Wheeler. No. 1,231,225; June 26; v. 239; p. 1079.
- Plow. L. Wiard. No. 1,221,783; Apr. 3; v. 237; p. 270.
- Plow. W. H. Young. No. 1,244,274; Oct. 23; v. 243; p. 984.
- Plow-adjusting mechanism. F. E. Hand. No. 1,217,864; Feb. 27; v. 235; p. 1314.
- Plow and cultivator, Tractor. W. J. Ray. No. 1,228,134; May 29; v. 238; p. 1528.
- Plow and the like. M. J. Arce. No. 1,237,446; Aug. 21; v. 241; p. 688.
- Plow attachment. C. M. Carraway. No. 1,210,901; Jan. 2; v. 234; p. 180.
- Plow attachment. W. D. Felkel. No. 1,219,278; Mar. 13; v. 236; p. 519.
- Plow attachment. F. J. Noiles. No. 1,219,990; Mar. 20; v. 236; p. 798.
- Plow attachment. A. C. Vidrine. No. 1,227,508; May 22; v. 238; p. 1287.
- Plow attachment. L. M. Wheat. No. 1,230,964; June 26; v. 239; p. 990.
- Plow attachment. P. Wolsfeld. No. 1,235,176; July 31; v. 240; p. 1318.
- Plow-beam attachment. D. W. Sweat. No. 1,211,894; Jan. 9; v. 234; p. 556.
- Plow-bottom. J. A. Tickoff. No. 1,211,258; Jan. 2; v. 234; p. 304.
- Plow-brake. F. L. Wagner. No. 1,224,101; Apr. 24; v. 237; p. 1184.
- Plow, Clearing-. H. C. Webb. No. 1,226,425; May 15; v. 238; p. 889.
- Plow, Corr-. A. O. Clark. No. 1,245,871; Nov. 6; v. 244; p. 221.
- Plow-disk. F. R. Bessant. No. 1,214,882; Feb. 6; v. 235; p. 139.
- Plow, Disk. W. C. Ford. No. 1,225,233; May 8; v. 238; p. 440.
- Plow, Disk. J. W. Morgan. No. 1,226,793; May 22; v. 238; p. 1048.
- Plow, Ditching-. A. Cordeau. No. 1,221,972; Apr. 10; v. 237; p. 371.
- Plow, Ditching-. H. E. Pettis. No. 1,232,838; July 10; v. 240; p. 464.
- Plow, Engine gang-. E. M. Heylman. No. 1,234,760; July 31; v. 240; p. 1190.
- Plow, Engine gang-. E. M. Heylman. No. 1,234,761; July 31; v. 240; p. 1191.
- Plow-fastener. P. M. Westbrooks. No. 1,232,139; July 3; v. 240; p. 265.
- Plow-fender. W. F. Clayton. No. 1,220,071; Mar. 20; v. 236; p. 827.
- Plow, Gang-. J. B. Bartholomew. No. 1,227,237; May 22; v. 238; p. 1200.
- Plow, Gang-. J. A. Bergren. No. 1,214,002; Jan. 30; v. 234; p. 1382.
- Plow, Gang-. J. O. Fjarli. No. 1,237,626; Aug. 21; v. 241; p. 744.
- Plow, Gang-. W. S. Graham. No. 1,237,505; Aug. 21; v. 241; p. 705.
- Plow, Gang-. D. M. Hartsough. No. 1,215,654; Feb. 13; v. 235; p. 448.
- Plow, Gang-. R. V. Kuen. No. 1,215,942; Feb. 13; v. 230; p. 550.
- Plow, Gang-. W. A. Paul. No. 1,240,087; Sept. 11; v. 242; p. 460.
- Plow, Gang-. C. Reicks. No. 1,250,013; Dec. 11; v. 245; p. 489.
- Plow-gulch. H. Strack. No. 1,230,084; June 12; v. 239; p. 621.

Alphabetical list of inventions—Continued.

- Plow, Hand-. B. Brownstein. No. 1,232,763; July 10; v. 240; p. 441.
- Plow, harrow attachment, Gang-. J. Swainson. No. 1,213,553; Jan. 23; v. 234; p. 1199.
- Plow-hitch. J. O. Shafer. No. 1,211,968; Jan. 9; v. 234; p. 584.
- Plow hitch, Gang-. H. O. Lantzer. No. 1,216,142; Feb. 13; v. 235; p. 623.
- Plow-hitch mechanism. J. H. Butler. No. 1,243,704; Oct. 23; v. 243; p. 808.
- Plow, irrigation. J. B. Crane. No. 1,248,271; Nov. 27; v. 244; p. 1017.
- Plow, Light-tractor gang-. I. A. Weaver. No. 1,238,969; Sept. 4; v. 242; p. 80.
- Plow, Lister-. W. S. Graham. No. 1,249,067; Dec. 4; v. 245; p. 185.
- Plow, Moldboard-. F. P. Dowd. No. 1,245,204; Nov. 6; v. 244; p. 19.
- Plow, Motor-. E. W. Cook. No. 1,213,336; Jan. 23; v. 234; p. 1123.
- Plow, Motor-. L. Fannesbeck. No. 1,233,040; July 10; v. 240; p. 529.
- Plow, Motor-. C. Gleiche. No. 1,222,387; Apr. 10; v. 237; p. 517.
- Plow, Motor-. C. H. Köhn. No. 1,221,458; Apr. 3; v. 237; p. 160.
- Plow, Motor-. S. W. Smith. No. 1,233,136; July 10; v. 240; p. 561.
- Plow, Motor-. J. E. Williamson. No. 1,241,320; Sept. 25; v. 242; p. 919.
- Plow or cultivator, Vineyard disk. J. Porteous. No. 1,248,706; Dec. 4; v. 245; p. 82.
- Plow-points, Renewing worn-out. C. J. Conard. No. 1,241,094; Sept. 25; v. 242; p. 846.
- Plow, Potato-hilling. R. B. D. Walker. No. 1,225,378; May 8; v. 238; p. 492.
- Plow, Power-. H. M. Sweet. No. 1,230,339; June 19; v. 239; p. 743.
- Plow, Reversible. F. D. Wallace. No. 1,227,349; May 22; v. 238; p. 1235.
- Plow, Reversible tractor-. I. L. Scott. No. 1,249,524; Dec. 11; v. 245; p. 347.
- Plow, Road grading and ditching. W. Tetzloff. No. 1,212,421; Jan. 16; v. 234; p. 770.
- Plow, Road grading and ditching. W. Tetzloff. No. 1,213,434; Jan. 23; v. 234; p. 1158.
- Plow, Rotary. O. G. Butler. No. 1,223,029; Apr. 17; v. 237; p. 781.
- Plow, Sidehill-. R. F. Stubblefield. No. 1,247,739; Nov. 27; v. 244; p. 866.
- Plow, Sidehill gang-. J. G. B. Mansfield. No. 1,221,764; Apr. 3; v. 237; p. 264.
- Plow-stock. W. E. Partin. No. 1,248,900; Dec. 4; v. 245; p. 139.
- Plow-stock attachment. R. G. Fulcher and J. Stirling. No. 1,226,965; May 22; v. 238; p. 1107.
- Plow-stock, One-horse. J. J. Ward. No. 1,233,424; July 17; v. 240; p. 690.
- Plow, Stubble-. S. F. Brenno. No. 1,237,610; Aug. 21; v. 241; p. 739.
- Plow, Subsoil and grubbing. R. H. Owen. No. 1,243,758; Oct. 23; v. 243; p. 827.
- Plow, Sulky-. O. W. Howard. No. 1,221,992; Apr. 10; v. 237; p. 378.
- Plow, Sulky-. J. T. Sanders. No. 1,224,025; Apr. 24; v. 237; p. 1158.
- Plow, Sulky-. L. E. Waterman. No. 1,233,734; July 17; v. 240; p. 792.
- Plow, Sulky-. O. F. Woodward. No. 1,238,057; Aug. 21; v. 241; p. 881.
- Plow, Traction-. H. W. Kardell. No. 1,222,299; Apr. 10; v. 237; p. 485.
- Plow, Tractor-. D. A. Bieinger. No. 1,239,559; Sept. 11; v. 242; p. 296.
- Plow, Tractor-. G. W. McGill. No. 1,224,761; May 1; v. 238; p. 230.
- Plow, Tractor-. C. H. Melvin. No. 1,249,447; Dec. 11; v. 245; p. 325.
- Plow, Tractor-. W. G. Trethewey. No. 1,245,287; Nov. 6; v. 244; p. 43.
- Plow, Trenching-. F. B. Currier. No. 1,251,186; Dec. 25; v. 245; p. 925.
- Plow, Two-way motor-. I. L. Scott. No. 1,249,523; Dec. 11; v. 245; p. 347.
- Plow, Weeding-. M. Prohaska. No. 1,248,010; Nov. 27; v. 244; p. 942.
- Plow-wheel. F. G. Lorf. No. 1,230,308; June 19; v. 239; p. 733.
- Plow, Wheel-. A. McCrerey. No. 1,212,526; Jan. 16; v. 234; p. 806.
- Plow, Wheel-. C. S. Norcross. No. 1,222,122; Apr. 10; v. 237; p. 422.
- Plow, Wheel-. N. Sanders. No. 1,218,003; Mar. 6; v. 236; p. 40.
- Plow, Wheel-. N. Sanders and M. Lundine. No. 1,233,129; July 10; v. 240; p. 558.
- Plow, &c., Wheeled. H. S. Dickinson. No. 1,239,090; Sept. 4; v. 242; p. 118.
- Plow, Wheeled. C. G. Strandlund. No. 1,237,407; Aug. 21; v. 241; p. 675.
- Plows, Combined mulching and leveling attachment for. I. R. Black. No. 1,225,399; May 8; v. 238; p. 498.
- Plows, Disk attachment for. I. Chambers. No. 1,218,054; Mar. 6; v. 236; p. 59.
- Plows, Draft appliance for. L. S. Hackney. No. 1,219,636; Mar. 20; v. 236; p. 675.
- Plows, Draft connection for. J. W. Gamble. No. 1,242,793; Oct. 9; v. 243; p. 461.
- Plows, Drag for turn-. I. M. Reed. No. 1,245,969; Nov. 6; v. 244; p. 248.
- Plows, Follower-wheel construction for. E. M. Heylman. No. 1,234,762; July 31; v. 240; p. 1191.
- Plows, Gear for adjusting the elevation of the frames of motor-. C. Gleiche. No. 1,210,791; Jan. 2; v. 234; p. 142.
- Plows, Landside-shoe for. C. J. Clarke. No. 1,246,393; Nov. 13; v. 244; p. 405.
- Plows, Leveling and mulching attachment for. J. R. Black. No. 1,225,400; May 8; v. 238; p. 499.
- Plows, Lifting mechanism for. J. H. Berryhill, F. E. Hand, and L. A. Thomas. No. 1,222,517; Apr. 10; v. 237; p. 562.
- Plows, Lifting mechanism for power-operated. G. A. Kennedy. No. 1,224,879; May 1; v. 238; p. 270.
- Plows, Potato-digging attachment for. W. A. Thompson. No. 1,243,898; Oct. 23; v. 243; p. 872.
- Plows, Rotating plowing-wheel for motor-. L. Goldschmidt. No. 1,232,025; July 3; v. 240; p. 165.
- Plows, Self-adjusting colter-wheel for. E. J. Patterson. No. 1,220,449; Mar. 27; v. 236; p. 998.
- Plows, Shifting harrow attachment for double. J. R. Sergeant. No. 1,213,912; Jan. 30; v. 234; p. 1351.
- Plows, Subsoiling attachment for breaking-. J. S. Coons. No. 1,236,270; Aug. 7; v. 241; p. 238.
- Plows, Wheel-adjusting mechanism for wheeled. W. D. Dewend. No. 1,232,240; July 3; v. 240; p. 235.
- Plows, Wing-sweep attachment for. M. T. Skinner. No. 1,230,233; June 19; v. 239; p. 709.
- Plowing-machine. H. Horman. No. 1,212,772; Jan. 16; v. 234; p. 895.
- Plowing-machine. C. H. McKee. No. 1,222,116; Apr. 10; v. 237; p. 420.
- Plowshare. E. Gedeke. No. 1,234,006; July 17; v. 240; p. 879.
- Plowshares, Clamping-frame for holding. A. G. Jorve. No. 1,251,042; Dec. 25; v. 245; p. 884.
- Plug. D. D. Gordon. No. 1,236,161; Aug. 7; v. 241; p. 203.
- Plug and check-valve, Combined turning. C. M. Wilson. No. 1,221,258; Apr. 3; v. 237; p. 91.
- Plug and receptacle. H. A. Stoddard. No. 1,246,677; Nov. 13; v. 244; p. 489.
- Plug and receptacle connector. L. O. Lieber. No. 1,227,918; May 29; v. 238; p. 1456.
- Plug and socket connector. J. Sachs. No. 1,220,993; Mar. 27; v. 236; p. 1182.
- Plug, Attachment-. E. G. K. Anderson. No. 1,225,391; May 8; v. 238; p. 496.
- Plug, Attachment-. P. D. Phillips. No. 1,236,210; Aug. 7; v. 241; p. 220.
- Plug, Attachment-. R. A. Schoenberg. No. 1,224,505; May 1; v. 238; p. 139.
- Plug, Attachment-. G. B. Thomas. No. 1,249,247; Dec. 4; v. 245; p. 237.
- Plug, Attachment-. W. C. Tregoning. No. 1,238,459; Aug. 28; v. 241; p. 1046.
- Plug, Attachment-. R. B. Wolcott. No. 1,224,987; May 8; v. 238; p. 357.
- Plug, Basin-. R. J. Miller. No. 1,245,943; Nov. 6; v. 244; p. 241.
- Plug, Connecting. A. Bouchery. No. 1,217,143; Feb. 27; v. 235; p. 1064.
- Plug, Connecting. F. B. Cook. No. 1,233,031; July 10; v. 240; p. 526.
- Plug contact-maker. H. Gallet. No. 1,240,965; Sept. 25; v. 242; p. 806.
- Plug, Detachable attachment-. G. B. Thomas. No. 1,216,883; Feb. 20; v. 235; p. 932.
- Plug, Electrical attachment-. P. S. McLean. No. 1,228,337; May 29; v. 238; p. 1594.
- Plug, Filler-. A. H. Bieker. No. 1,228,285; May 29; v. 238; p. 1577.
- Plug, Filling-funnel. O. Bernz. No. 1,234,268; July 24; v. 240; p. 999.
- Plug fitting, Attachment-. G. B. Thomas. No. 1,245,068; Oct. 30; v. 243; p. 1261.
- Plug for junction-boxes and similar structures, Hole-. C. Wuensch. No. 1,239,243; Sept. 4; v. 242; p. 168.
- Plug-lock, Rotary. L. Schneider and E. E. J. Duquette. No. 1,223,118; Apr. 17; v. 237; p. 812.
- Plug machine, Spike-hole-. F. V. Carman. No. 1,218,836; Mar. 13; v. 236; p. 369.
- Plug, receptacle, Attachment-. A. H. Nero. No. 1,231,417; June 26; v. 239; p. 1144.
- Plug, Separable attachment-. R. B. Benjamin. No. 1,242,643; Oct. 9; v. 243; p. 415.
- Plug, Separable attachment-. R. B. Benjamin. No. 1,250,080; Dec. 11; v. 245; p. 508.
- Plug, Separable attachment-. C. G. Cope. No. 1,236,057; Aug. 7; v. 241; p. 172.
- Plug, Separable attachment-. W. C. Jones. No. 1,225,337; May 8; v. 238; p. 477.
- Plug, Separable supporting and polarity attachment-. M. H. Shoenberg. No. 1,239,731; Sept. 11; v. 242; p. 352.
- Plug, Test-. W. A. Henderson. No. 1,221,733; Apr. 3; v. 237; p. 253.

- Plug, Turning. C. F. Wray. No. 1,222,171; Apr. 10; v. 237; p. 441.
- Plug, Turning. C. F. Wray. No. 1,222,172; Apr. 10; v. 237; p. 441.
- Plug, Washout-. H. V. Wille. No. 1,219,206; Mar. 13; v. 236; p. 495.
- Plugs, Machine for molding composition. I. E. Farr. No. 1,248,097; Nov. 27; v. 244; p. 966.
- Plugging-in switch. W. S. Harlow. No. 1,211,940; Jan. 9; v. 234; p. 574.
- Plumb. E. A. King. No. 1,246,609; Nov. 13; v. 244; p. 471.
- Plumb and level. L. F. Nordling. No. 1,250,340; Dec. 18; v. 245; p. 626.
- Plumb-bob. A. F. Duguid. No. 1,212,194; Jan. 16; v. 234; p. 687.
- Plumb-bob apparatus. J. Perkins. No. 1,230,074; June 12; v. 239; p. 617.
- Plumb, level, and square. J. E. Gagnon and J. A. Hawthorne, Jr. No. 1,216,105; Feb. 13; v. 235; p. 609.
- Plumber's fitting. F. W. and F. N. Delanoy. No. 1,213,466; Jan. 23; v. 234; p. 1169.
- Plumber's trap. J. Miller, Sr. No. 1,211,210; Jan. 2; v. 234; p. 286.
- Plumbing appliance. H. H. Harris. No. 1,226,209; May 15; v. 238; p. 814.
- Plumbing-fixture. I. A. Mann. No. 1,242,572; Oct. 9; v. 243; p. 392.
- Plumbing structure. C. F. Madden. No. 1,213,226; Jan. 23; v. 234; p. 1084.
- Plume, Artificial. C. H. Staat. (Reissue.) No. 1,4410; Dec. 11; v. 245; p. 527.
- Plunger for cutting-cylinders. P. Brookes. No. 1,245,668; Nov. 6; v. 244; p. 160.
- Pneumatic action. C. G. Gilberg. No. 1,226,326; May 15; v. 238; p. 857.
- Pneumatic brake. F. J. Chapsal and A. L. E. Saillot. No. 1,230,277; June 19; v. 239; p. 724.
- Pneumatic cleaner. J. J. Smith. No. 1,245,629; Nov. 6; v. 244; p. 148.
- Pneumatic coupling. N. S. McEwen. No. 1,245,115; Oct. 30; v. 243; p. 1276.
- Pneumatic cushion. A. C. Eggers. No. 1,230,690; June 19; v. 239; p. 860.
- Pneumatic cushioning device. O. W. Kane. No. 1,226,673; May 22; v. 238; p. 1006.
- Pneumatic-despatch-tube apparatus. W. Bixby. No. 1,236,663; Aug. 14; v. 241; p. 398.
- Pneumatic-despatch-tube apparatus. J. T. Needham. No. 1,223,414; Apr. 24; v. 237; p. 944.
- Pneumatic-despatch-tube apparatus. F. G. Whittier. No. 1,248,767; Dec. 4; v. 245; p. 101.
- Pneumatic-despatch-tube single system. C. P. Hidden. No. 1,248,658; Dec. 4; v. 245; p. 68.
- Pneumatic drill. A. M. Baird. No. 1,223,022; Apr. 17; v. 237; p. 779.
- Pneumatic drill. J. C. H. Vaught. No. 1,222,823; Apr. 17; v. 237; p. 711.
- Pneumatic engine or motor. H. Gibbs. No. 1,236,922; Aug. 14; v. 241; p. 482.
- Pneumatic hydrostatic system. A. Roszkowski. No. 1,240,373; Sept. 18; v. 242; p. 589.
- Pneumatic motor. G. P. Brand. No. 1,223,758; Apr. 24; v. 237; p. 1067.
- Pneumatic regulator. A. P. Gustafson. No. 1,250,104; Dec. 11; v. 245; p. 515.
- Pneumatic separator. M. F. Williams. No. 1,235,174; July 31; v. 240; p. 1317.
- Pneumatic spring. E. D. Foster. No. 1,242,431; Oct. 9; v. 243; p. 345.
- Pneumatic wheel. J. W. Martin. No. 1,216,714; Feb. 20; v. 235; p. 874.
- Pneumatic wheel. W. H. McCaffrey. No. 1,249,438; Dec. 11; v. 245; p. 322.
- Pneumatically-fired wheel. G. C. Hanna. No. 1,243,515; Oct. 16; v. 243; p. 718.
- Pocket. U. G. Charles. No. 1,226,640; May 22; v. 238; p. 996.
- Pocket. H. T. Cook. No. 1,239,888; Sept. 11; v. 242; p. 403.
- Pocket. W. H. Lowd. No. 1,234,780; July 31; v. 240; p. 1196.
- Pocket article, Combination. M. J. Munson. No. 1,224,199; May 1; v. 238; p. 30.
- Pocket attachment for holders, &c. R. V. Blake. No. 1,234,859; July 31; v. 240; p. 1220.
- Pocket-book. I. Smith. No. 1,228,251; May 29; v. 238; p. 1566.
- Pocket-book bodies, Edge-folding machine for. W. C. Eichelberger. No. 1,225,790; May 15; v. 238; p. 672.
- Pocket-book handle. B. Fisch and J. Waldman. No. 1,248,100; Nov. 27; v. 244; p. 967.
- Pocket-book safety device. D. T. Lynch. No. 1,230,738; June 19; v. 239; p. 875.
- Pocket-books and similar articles, Electrically-protected holder for. J. P. Williams. No. 1,250,743; Dec. 18; v. 245; p. 745.
- Pocket-closer, Automatic. H. W. Boyd. No. 1,224,842; May 1; v. 238; p. 258.
- Pocket-closure. R. N. Lago. No. 1,246,286; Nov. 13; v. 244; p. 372.
- Pocket device, Safety. F. S. Nelson. No. 1,213,894; Jan. 30; v. 234; p. 1345.
- Pocket for garments, Safety-. S. Dubinsky. No. 1,239,578; Sept. 11; v. 242; p. 302.
- Pocket for hunting-coats and the like, Ammunition-. R. A. Langerman. No. 1,212,513; Jan. 16; v. 234; p. 802.
- Pocket for overalls. W. A. Hester. No. 1,212,639; Jan. 16; v. 234; p. 848.
- Pocket, Garment-. S. D. Chelf. No. 1,223,936; Apr. 24; v. 237; p. 1128.
- Pocket-knife. B. Allen. No. 1,213,138; Jan. 23; v. 234; p. 1053.
- Pocket-knife. C. L. Depollier. No. 1,210,770; Jan. 2; v. 234; p. 134.
- Pocket-knife. F. P. Hemming. No. 1,248,852; Dec. 4; v. 245; p. 126.
- Pocket-lining. A. Walker. No. 1,210,734; Jan. 2; v. 234; p. 123.
- Pocket-lock. S. Litwin. No. 1,216,582; Feb. 20; v. 235; p. 830.
- Pocket-lock. E. Rosenberg. No. 1,230,520; June 19; v. 239; p. 804.
- Pocket pac, Side-. J. T. Crowley. No. 1,228,884; June 5; v. 239; p. 114.
- Pockets, Safety attachment for garment-. J. J. Schaab. No. 1,225,863; May 15; v. 238; p. 696.
- Pod-opener. A. H. Kemp. No. 1,215,167; Feb. 6; v. 235; p. 238.
- Point-finder system. A. E. Lundell. No. 1,210,505; Jan. 2; v. 234; p. 44.
- Points in space by means of perspective views, Apparatus for determining. G. Kammerer. No. 1,216,133; Feb. 13; v. 235; p. 621.
- Poison-distributor. A. McWhorter. No. 1,229,994; June 12; v. 239; p. 591.
- Poison-indicator. I. W. Mason. No. 1,241,536; Oct. 2; v. 243; p. 21.
- Poison-indicator for bottles. M. Beers. No. 1,223,241; Apr. 17; v. 237; p. 852.
- Poisoner, Fly-. E. J. Beal. No. 1,228,170; May 29; v. 238; p. 1540.
- Poke, Animal-. E. G. Goff. No. 1,241,842; Oct. 2; v. 243; p. 119.
- Poke, Animal-. N. and J. P. Miller. No. 1,247,562; Nov. 20; v. 244; p. 779.
- Poke, Animal-. B. J. Rinebold. No. 1,250,017; Dec. 11; v. 245; p. 490.
- Poke, Animal-. J. S. Weathers. No. 1,245,842; Nov. 6; v. 244; p. 213.
- Poke, Cattle-. F. I. Burt. No. 1,239,562; Sept. 11; v. 242; p. 297.
- Poke, Cattle-. W. R. Hayden. No. 1,228,913; June 5; v. 239; p. 183.
- Pole, &c. L. S. Lachman. No. 1,235,332; July 31; v. 240; p. 1365.
- Pole-changer. C. J. Erickson. No. 1,218,067; Mar. 6; v. 236; p. 63.
- Pole-climber. J. E. Schank. No. 1,210,543; Jan. 2; v. 234; p. 57.
- Pole, Collapsible tent-. P. F. Von Ahnen. No. 1,214,979; Feb. 6; v. 235; p. 175.
- Pole coupling device, Tubular-. W. A. Matsinger. No. 1,213,228; Jan. 23; v. 234; p. 1085.
- Pole, Latticed. J. E. Jennings. No. 1,211,160; Jan. 2; v. 234; p. 268.
- Pole-protective means. S. M. Mulnix and R. O. Adams. No. 1,244,119; Oct. 23; v. 243; p. 936.
- Pole, Roosting-. A. F. Elfstrom. No. 1,224,453; May 1; v. 238; p. 122.
- Pole, Steering-. F. W. Carpenter. No. 1,236,540; Aug. 14; v. 241; p. 357.
- Pole-step. C. Winter. No. 1,211,992; Jan. 9; v. 234; p. 592.
- Pole support, Garment-. J. A. Hoff. No. 1,235,476; July 31; v. 240; p. 1406.
- Pole-tip. C. L. Lear. No. 1,225,829; May 15; v. 238; p. 685.
- Pole, Vehicle-. B. Laengle. No. 1,235,577; Aug. 7; v. 241; p. 16.
- Poles, Device for reinforcing. G. Harding. No. 1,243,933; Oct. 23; v. 243; p. 881.
- Poles or other wooden articles, Apparatus for treating. E. A. Lindsley. No. 1,223,890; Apr. 24; v. 237; p. 1114.
- Police club and whistle, Combined. J. A. Byrne. No. 1,224,850; May 1; v. 238; p. 260.
- Polish, Non-cumulative wax. W. H. Damon. No. 1,240,544; Sept. 18; v. 242; p. 643.
- Polish, Non-cumulative wax. W. H. Damon. No. 1,240,545; Sept. 18; v. 242; p. 643.
- Polishing composition. F. A. Crandall. No. 1,232,460; July 3; v. 240; p. 305.
- Polishing compound. H. W. Spellman. No. 1,231,307; June 26; v. 239; p. 1106.
- Polishing-machine. H. Buerk. No. 1,234,443; July 24; v. 240; p. 1058.
- Polishing-machine. R. Conrader. No. 1,213,591; Jan. 23; v. 234; p. 1212.
- Polishing materials, Device for applying. G. E. Simons. No. 1,235,252; July 31; v. 240; p. 1341.
- Polishing metallic bodies, Machine for. C. Medgyes. No. 1,224,191; May 1; v. 238; p. 27.
- Polishing pad or device. A. E. Pfeiffer. No. 1,216,488; Feb. 20; v. 235; p. 796.
- Polishing pads or devices, Manufacturing. A. E. Pfeiffer. No. 1,216,489; Feb. 20; v. 235; p. 796.

Alphabetical list of inventions—Continued.

- Polishing-roll. A. McDowell. No. 1,216,244; Feb. 13; v. 235; p. 658.
- Polishing the pivots of escapement and other clock-wheels, Apparatus for. C. Rosat. No. 1,235,503; July 31; v. 240; p. 1416.
- Polycycle, Figure. T. Masuda. No. 1,226,560; May 15; v. 238; p. 930.
- Pond-drainer, Automatically-working. A. Weinhold. No. 1,221,251; Apr. 3; v. 237; p. 88.
- Pontoon, Collapsible. G. Johnston. No. 1,215,164; Feb. 6; v. 235; p. 237.
- Pool-ball collector. F. P. Grode. No. 1,222,254; Apr. 10; v. 237; p. 480.
- Pool-ball rack and triangle. J. E. Nitkey. No. 1,227,299; May 22; v. 238; p. 1220.
- Pool-table. J. P. Sorensen and R. Thornberg. No. 1,210,864; Jan. 2; v. 234; p. 166.
- Pool-tables, Ball-racking device for. W. T. Haight. No. 1,231,597; July 3; v. 240; p. 20.
- Pop-gun. A. Kleinfeldt. No. 1,214,797; Feb. 6; v. 235; p. 108.
- Popcorn-machine. E. J. Daugherty. No. 1,248,087; Nov. 27; v. 244; p. 963.
- Popcorn-machine. G. A. Scheffer. No. 1,251,291; Dec. 25; v. 245; p. 967.
- Porcelain inlays, Process and apparatus for making. E. R. Schroeder and C. M. Miller. No. 1,211,244; Jan. 2; v. 234; p. 299.
- Porcelain thread-guide. J. R. Mitchell. No. 1,224,006; Apr. 24; v. 237; p. 1153.
- Porch-light. J. J. Dossert and G. L. Stewart. No. 1,235,665; Aug. 7; v. 241; p. 43.
- Porous blocks, Apparatus for treating. C. E. Fuller. No. 1,247,105; Nov. 20; v. 244; p. 650.
- Porous blocks, Treating. C. E. Fuller. No. 1,229,439; June 12; v. 239; p. 408.
- Porous blocks, Treating. C. E. Fuller. No. 1,231,007; June 26; v. 239; p. 1006.
- Porous materials, Producing. C. F. Söderwall and H. Hellin. No. 1,235,071; July 31; v. 240; p. 1287.
- Portable battery. L. H. Flanders. No. 1,230,390; June 19; v. 239; p. 759.
- Portable elevator. S. R. Alvey. No. 1,236,648; Aug. 14; v. 241; p. 392.
- Portable elevator and wagon-dump. P. C. Southwick. No. 1,212,273; Jan. 16; v. 234; p. 718.
- Portable fountain, Self-contained. F. W. Darlington. No. 1,228,186; May 29; v. 238; p. 1544.
- Portable heater. W. G. Chausse. No. 1,215,343; Feb. 13; v. 235; p. 334.
- Portable heater. W. I. and E. G. Lane. No. 1,246,760; Nov. 13; v. 244; p. 513.
- Portable house. F. P. Aylwin. No. 1,250,415; Dec. 18; v. 245; p. 648.
- Portable house. C. V. Bossert. No. 1,249,011; Dec. 4; v. 245; p. 169.
- Portable house. A. Gravel. No. 1,228,317; May 29; v. 238; p. 1587.
- Portable house. R. I. Johns. No. 1,218,665; Mar. 13; v. 236; p. 306.
- Portable house. H. M. Leonard. No. 1,230,180; June 19; v. 239; p. 691.
- Portable indicator. E. E. Schram. No. 1,241,771; Oct. 2; v. 243; p. 96.
- Portable light. E. H. Becker. No. 1,218,162; Mar. 6; v. 236; p. 95.
- Portable light. A. Sundh. No. 1,230,943; June 26; v. 239; p. 983.
- Portable pad. P. C. Ko Eune. No. 1,247,547; Nov. 20; v. 244; p. 776.
- Portable rack. F. Davis. No. 1,242,779; Oct. 9; v. 243; p. 457.
- Portable seat. C. Bauer. No. 1,218,357; Mar. 6; v. 236; p. 164.
- Portable table. E. N. Stening. No. 1,214,724; Feb. 6; v. 235; p. 86.
- Portable-track wheel. C. E. Johnson. No. 1,220,852; Mar. 27; v. 236; p. 1137.
- Portière-hanger. C. W. Kirsch. No. 1,239,919; Sept. 11; v. 242; p. 412.
- Portière-holder. H. L. Sweney. No. 1,229,672; June 12; v. 239; p. 487.
- Portière-holder. H. L. Sweney. No. 1,238,214; Aug. 28; v. 241; p. 965.
- Portière-hook. H. L. Sweney. No. 1,236,888; Aug. 14; v. 241; p. 470.
- Portière-pole. L. F. Neal. No. 1,234,066; July 17; v. 240; p. 897.
- Portière, Sectional. L. W. Brueggeman. No. 1,230,271; June 12; v. 239; p. 722.
- Portière-traversing mechanism. F. H. Roope and J. H. Reed. No. 1,217,883; Feb. 27; v. 235; p. 1320.
- Post. See—
- Bed-post. Guide-post.
- Binder-post. Lamp-post.
- Binding-post. Mail-box post.
- Car door-post. Rubbing-post.
- Concrete fence-post. Sectional post.
- Corner-post. Steering-wheel post.
- Fence-post. Tool-post.
- Fence-tightening post. Vertically-adjustable post.
- Gate-post.
- Post-anchor. E. Clark. No. 1,218,238; Mar. 6; v. 236; p. 123.
- Post-anchor. P. J. Hindmarsh. No. 1,224,925; May 8; v. 238; p. 337.
- Post and rig-iron. Samson. C. M. Heeter. No. 1,240,715; Sept. 18; v. 242; p. 694.
- Post-brace. G. W. Reneau. No. 1,237,097; Aug. 14; v. 241; p. 539.
- Post carrying crossed threads for the supporting of crop or plants. N. G. Sorensen. No. 1,225,281; May 8; v. 238; p. 456.
- Post-drill and portable hand-drill, Combination. O. A. Osmondson. No. 1,242,029; Oct. 2; v. 243; p. 178.
- Post-driver. F. H. Budgeon and B. C. Wright. No. 1,247,634; Nov. 27; v. 244; p. 832.
- Post-driver. H. C. Upchurch and T. H. Houston. No. 1,230,632; June 19; v. 239; p. 842.
- Post-hole auger. C. R. Burnton. No. 1,238,388; Aug. 28; v. 241; p. 1023.
- Post-hole auger. F. Camp. No. 1,220,949; Mar. 27; v. 236; p. 1168.
- Post-hole auger. R. C. Powers. No. 1,217,062; Feb. 20; v. 235; p. 991.
- Post-hole digger. J. J. Armstrong, Sr. No. 1,222,711; Apr. 17; v. 237; p. 673.
- Post-hole digger. D. Davis. No. 1,241,931; Oct. 2; v. 243; p. 148.
- Post-hole digger. L. N. Holsomback. No. 1,213,874; Jan. 30; v. 234; p. 1337.
- Post-hole digger. L. Huesselmann. No. 1,236,940; Aug. 14; v. 241; p. 488.
- Post-hole digger. W. Lundstrom. No. 1,237,070; Aug. 14; v. 241; p. 530.
- Post-hole digger. T. Moore. No. 1,235,588; Aug. 7; v. 241; p. 20.
- Post-hole digger. C. P. Rosendall. No. 1,230,790; June 19; v. 239; p. 893.
- Post-hole digger, Motor-driven. H. Besancon. No. 1,243,580; Oct. 16; v. 243; p. 736.
- Post-hole-digging machine. W. T. Martin. No. 1,220,527; Mar. 27; v. 236; p. 1025.
- Post-hole drill. L. A. Blue. No. 1,216,952; Feb. 20; v. 235; p. 947.
- Post-mold. W. T. Hicks. No. 1,244,608; Oct. 30; v. 243; p. 1122.
- Post-office box. G. A. Hamilton. No. 1,249,952; Dec. 11; v. 245; p. 472.
- Post or mailing card, Novelty. L. M. Hardenbrook. No. 1,232,796; July 10; v. 240; p. 451.
- Post-puller. G. Halstead. No. 1,219,303; Mar. 13; v. 236; p. 528.
- Post-puller, Jack, and wire-stretcher, Combined. J. S. Williams. No. 1,234,243; July 24; v. 240; p. 992.
- Post-reinforcement. D. W. Bowe. No. 1,237,159; Aug. 14; v. 241; p. 556.
- Postal box. C. Forth. No. 1,240,190; Sept. 18; v. 242; p. 531.
- Pot. See—
- Casting-pot. Glue-pot.
- Coffee-pot. Marking-pot.
- Concrete flower-pot. Melting-pot.
- Dash-pot. Reversible pot.
- Drawing-pot. Water-seal pot.
- Flower-pot. Wax-pot.
- Glass-melting pot.
- Pot cover, Cooking. K. M. Koopmann. No. 1,210,813; Jan. 2; v. 234; p. 149.
- Pot-drawing apparatus. E. Blackburn. No. 1,235,280; July 31; v. 240; p. 1349.
- Pot for mustard, jam, marmalade, honey, &c. H. Kügi. No. 1,241,221; Sept. 25; v. 242; p. 885.
- Pot-protector. A. E. T. Yaroscak. No. 1,227,356; May 22; v. 238; p. 1238.
- Pots or crucibles, Making clay. H. K. Hitchcock. No. 1,221,450; Apr. 3; v. 237; p. 158.
- Potash and alumina from alunite, Extracting. P. J. Fox. No. 1,217,432; Feb. 27; v. 235; p. 1164.
- Potash from potash-rocks, Obtaining. F. C. Gillen. No. 1,215,517; Feb. 13; v. 235; p. 396.
- Potash in cement-kiln dust, Increasing the solubility of. E. Anderson. No. 1,249,708; Dec. 11; v. 245; p. 401.
- Potash of feldspar and similar materials, Rendering available the. W. Glaeser. No. 1,237,197; Aug. 14; v. 241; p. 567.
- Potash, Recovery of. F. G. Breyer. No. 1,236,903; Aug. 14; v. 241; p. 475.
- Potassium and magnesium chlorids from natural deposits, Recovering. L. C. Jones, F. L. Grover, and J. L. Silsbee. No. 1,215,546; Feb. 13; v. 235; p. 406.
- Potassium chlorid and borax, Separating mixed. J. D. Pennock, L. C. Jones, and F. L. Grover. No. 1,215,576; Feb. 13; v. 235; p. 419.
- Potassium chlorid from certain waters containing borax, Obtaining. N. Wrinkle and W. W. Watterson. No. 1,232,156; July 3; v. 240; p. 210.
- Potassium compound, Producing a soluble. H. P. Bassett. No. 1,217,388; Feb. 27; v. 235; p. 1148.
- Potassium compounds from water-insoluble potassium-containing mineral, Securing water-soluble. J. H. Reid. No. 1,226,812; May 22; v. 238; p. 1055.
- Potassium containing silicates and phosphate rock and the product of such process, Process of treating. H. P. Bassett. No. 1,217,389; Feb. 27; v. 235; p. 1149.

- Potassium cyanid from water-insoluble potassium-containing mineral, Securing. J. H. Reid. No. 1,226,811; May 22; v. 238; p. 1054.
- Potassium from minerals, Extracting. H. Blumenberg. No. 1,214,003; Jan. 30; v. 234; p. 1382.
- Potassium salts from organic carbonaceous materials, Recovering. F. C. Grimes. No. 1,227,781; May 29; v. 238; p. 1409.
- Potassium salts, Producing. H. P. Bassett. No. 1,217,390; Feb. 27; v. 235; p. 1149.
- Potato-bug destroyer. A. Julien. No. 1,214,311; Jan. 30; v. 234; p. 1490.
- Potato-bug killer. E. L. Moeser. No. 1,249,988; Dec. 11; v. 245; p. 482.
- Potato-curing apparatus. J. B. Wells. No. 1,225,382; May 8; v. 238; p. 493.
- Potato-cutter. M. S. King. No. 1,227,056; May 22; v. 238; p. 1138.
- Potato-cutter, Power. L. E. Dahleen. No. 1,238,893; Sept. 4; v. 242; p. 55.
- Potato-digger. O. Cordrey. No. 1,239,354; Sept. 4; v. 242; p. 204.
- Potato-digger. A. Lauritzen. No. 1,239,921; Sept. 11; v. 242; p. 413.
- Potato-digger. J. T. Lawson. No. 1,235,208; July 31; v. 240; p. 1328.
- Potato digger and pulverizer. F. Wright. No. 1,229,372; June 12; v. 239; p. 386.
- Potato-digging machine. K. R. L. Fuglsang. No. 1,247,813; Nov. 27; v. 244; p. 888.
- Potato-grader. J. Pendlebury and J. Heatley. No. 1,215,846; Feb. 13; v. 235; p. 515.
- Potato-masher. C. K. Burford. No. 1,224,134; May 1; v. 238; p. 6.
- Potato, peanut, or the like digger. T. F. Rice. No. 1,241,883; Oct. 2; v. 243; p. 133.
- Potato-peelings for the purpose of their industrial utilization, Preparation of. E. Borrás. No. 1,226,852; May 22; v. 238; p. 1068.
- Potato-separator. J. N. Atterbury. No. 1,226,441; May 15; v. 238; p. 893.
- Potato-separator. A. Lauritzen. No. 1,239,922; Sept. 11; v. 242; p. 413.
- Potato-sprouter. E. Massing. No. 1,211,473; Jan. 9; v. 234; p. 409.
- Potatoes and the like, Device for skinning. W. Junker. No. 1,234,767; July 31; v. 240; p. 1192.
- Potatoes, Machine for cutting seed-. E. S. Mattern. No. 1,243,538; Oct. 16; v. 243; p. 724.
- Potential-regulator. E. Lehr. No. 1,231,628; July 3; v. 240; p. 30.
- Pothead. P. F. Williams. No. 1,228,155; May 29; v. 238; p. 1535.
- Pothead-connector. P. F. Williams. No. 1,225,299; May 8; v. 238; p. 463.
- Pottery-mold. F. A. Sebring and F. Strobl. No. 1,238,347; Aug. 28; v. 241; p. 1010.
- Pottery-press. H. Mueller. No. 1,233,390; July 17; v. 240; p. 679.
- Potters' ovens, Charging and drawing of. M. P. Ferneyhough. No. 1,234,648; July 24; v. 240; p. 1121.
- Potteries, Stove-room for. R. M. Kinnard. No. 1,249,772; Dec. 11; v. 245; p. 419.
- Poultry-fetter. W. N. C. Willson. No. 1,240,111; Sept. 11; v. 242; p. 468.
- Poultry-fountain. V. Thompson. No. 1,224,043; Apr. 24; v. 237; p. 1164.
- Poultry-fountain for chicken-coops. H. Scott. No. 1,215,417; Feb. 13; v. 235; p. 359.
- Poultry leg-band. D. D. Rees. No. 1,232,976; July 10; v. 240; p. 510.
- Poultry-rack. G. Collis. No. 1,222,072; Apr. 10; v. 237; p. 404.
- Poultry-rack. B. Danley. No. 1,238,273; Aug. 28; v. 241; p. 985.
- Poultry with insecticide, Apparatus for dusting. W. P. Morgan. No. 1,219,842; Mar. 20; v. 236; p. 746.
- Pour-out. W. E. Silverthorne. No. 1,214,600; Feb. 6; v. 235; p. 41.
- Pouring device. C. R. Norman. No. 1,230,207; June 19; v. 239; p. 700.
- Powder and fuse can, Safety combination. H. O. Brooks. No. 1,237,164; Aug. 14; v. 241; p. 557.
- Powder and making same, Smokeless. J. M. Brown. No. 1,222,065; Apr. 10; v. 237; p. 402.
- Powder and making the same, Pigment. S. M. McMurray and J. R. Parrish. No. 1,215,293; Feb. 6; v. 235; p. 282.
- Powder and puff box. L. A. Lefrancois. No. 1,249,641; Dec. 11; v. 245; p. 384.
- Powder-blending apparatus. C. L. Heisler. No. 1,241,212; Sept. 25; v. 242; p. 882.
- Powder-box. J. M. Hothersall. No. 1,246,924; Nov. 20; v. 244; p. 599.
- Powder-can, Safety. H. F. Heumann. No. 1,248,491; Dec. 4; v. 245; p. 18.
- Powder, Cleaning-. J. F. Sullivan. No. 1,216,182; Feb. 13; v. 235; p. 637.
- Powder-container. A. B. Garner. No. 1,225,610; May 8; v. 238; p. 569.
- Powder, Container for talcum. E. Hoffman. No. 1,251,028; Dec. 25; v. 245; p. 880.
- Powder-containing receptacles, Spout attachment for. W. C. Heindl. No. 1,239,181; Sept. 4; v. 242; p. 147.
- Powder-dispensing device. N. and E. Andres. No. 1,229,396; June 12; v. 239; p. 394.
- Powder-drying apparatus. W. A. Phillips. No. 1,232,839; July 10; v. 240; p. 464.
- Powder, Explosive. J. L. Donner. No. 1,214,765; Feb. 6; v. 235; p. 99.
- Powder, Explosive. J. L. Donner. No. 1,214,766; Feb. 6; v. 235; p. 99.
- Powder, Flash-. J. I. Crabtree. No. 1,240,027; Sept. 11; v. 242; p. 444.
- Powder from coal or lignite, Preparing a molding-. A. Körting. No. 1,217,961; Mar. 6; v. 236; p. 26.
- Powder holder, Compressed-. W. G. Kendall. No. 1,223,985; Apr. 24; v. 237; p. 1144.
- Powder-kegs and other containers, Safety appliance for. B. Peterson. No. 1,224,017; Apr. 24; v. 237; p. 1156.
- Powder-loading device. W. T. Scott. No. 1,213,277; Jan. 23; v. 234; p. 1102.
- Powder, Making smokeless. D. S. Kondratieff. No. 1,212,770; Jan. 16; v. 234; p. 895.
- Powder-press. W. G. Kendall. No. 1,244,096; Oct. 23; v. 243; p. 930.
- Powder-puff, Lady's. R. A. Hampton. No. 1,211,575; Jan. 9; v. 234; p. 444.
- Powder-puff retainer. A. M. Clay. No. 1,240,944; Sept. 25; v. 242; p. 800.
- Powder-receptacle. J. Komorous. No. 1,231,383; June 26; v. 239; p. 1131.
- Powder-receptacle. J. Komorous. No. 1,231,384; June 26; v. 239; p. 1132.
- Powdered material, Distributing. C. L. Heisler. No. 1,248,851; Dec. 4; v. 245; p. 126.
- Power apparatus. L. R. McDonald. No. 1,250,914; Dec. 18; v. 245; p. 796.
- Power, Apparatus for the electrical transmission of. H. B. Van Daalen and H. P. Schreiber. No. 1,223,224; Apr. 17; v. 237; p. 847.
- Power apparatus, Internal-combustion. C. H. Fox. No. 1,217,861; Feb. 27; v. 235; p. 1313.
- Power-boat, Manually-operated. I. Mori. No. 1,244,068; Oct. 23; v. 243; p. 922.
- Power-brake. A. B. Wilder. No. 1,212,302; Jan. 16; v. 234; p. 729.
- Power-chamber. J. F. Scott. No. 1,231,302; June 26; v. 239; p. 1104.
- Power-control system, Carrier-despatch. C. P. Hidden. No. 1,248,657; Dec. 4; v. 245; p. 67.
- Power-controller, Automatic. C. D. Curry. No. 1,234,295; July 24; v. 240; p. 1008.
- Power cut-off, Automatic. F. J. Backscheider. No. 1,229,570; June 12; v. 239; p. 453.
- Power-developing apparatus. A. T. Kasley. No. 1,226,220; May 15; v. 238; p. 818.
- Power device, Emergency. W. P. Firey. No. 1,218,847; Mar. 13; v. 236; p. 374.
- Power distribution, Apparatus for. R. F. Schuchardt. No. 1,210,705; Jan. 2; v. 234; p. 114.
- Power-driven machines, Motor attachment for. A. Kimble. No. 1,242,204; Oct. 9; v. 243; p. 275.
- Power, Explosive method of generating. P. Ostenberg. No. 1,237,688; Aug. 21; v. 241; p. 765.
- Power-factor meter. C. I. Hall. No. 1,240,710; Sept. 18; v. 242; p. 692.
- Power-generating apparatus. W. B. Vanderlip. No. 1,236,020; Aug. 7; v. 241; p. 162.
- Power-generating apparatus. F. L. Williams. No. 1,214,103; Jan. 30; v. 234; p. 1416.
- Power-generating plant. F. Samuelson. No. 1,215,200; Feb. 6; v. 235; p. 250.
- Power-generating system. C. S. Bradley. No. 1,250,087; Dec. 11; v. 245; p. 510.
- Power generation. R. A. Fessenden. No. 1,214,531; Feb. 6; v. 235; p. 17.
- Power-generator. A. Rector. No. 1,239,519; Sept. 11; v. 242; p. 283.
- Power-generator. E. Scott. No. 1,224,673; May 1; v. 238; p. 199.
- Power-generator. J. Taylor. No. 1,233,618; July 17; v. 240; p. 756.
- Power-generator. W. A. Warman. No. 1,236,793; Aug. 14; v. 241; p. 442.
- Power lifting-machine. R. N. Lowry. No. 1,239,020; Sept. 4; v. 242; p. 97.
- Power mechanism. O. E. Anderson. No. 1,235,952; Aug. 7; v. 241; p. 139.
- Power mechanism. C. L. Culbert. No. 1,222,186; Apr. 10; v. 237; p. 446.
- Power mechanism. S. Dominguez. No. 1,227,593; May 29; v. 238; p. 1344.
- Power member, Rotary. W. D. McGowen. No. 1,232,946; July 10; v. 240; p. 501.
- Power, Ocean-. N. S. Abrahamson. No. 1,226,937; May 22; v. 238; p. 1096.
- Power-operated devices, Controller for. T. H. Rodman. No. 1,251,286; Dec. 25; v. 245; p. 955.
- Power-operated machines, Driving mechanism for. A. R. Schoenky. No. 1,224,884; May 1; v. 238; p. 272.
- Power-operated mechanism, Controller for. S. T. Walkup. No. 1,245,410; Nov. 6; v. 244; p. 80.
- Power-operated shears. J. Schutz. No. 1,228,838; June 5; v. 239; p. 159.

Alphabetical list of inventions—Continued.

- Power plant. R. A. Fessenden. No. 1,217,165; Feb. 27; v. 235; p. 1072.
- Power plant and control. G. D. Smith and L. E. Brandon. No. 1,236,221; Aug. 7; v. 241; p. 223.
- Power-press safety device. W. Bretsnyder. No. 1,212,319; Jan. 16; v. 234; p. 734.
- Power-presses, Safety appliance for hand-fed. F. S. Aliano. No. 1,246,834; Nov. 20; v. 244; p. 571.
- Power-presses, Safety means for. B. C. Ames. No. 1,216,645; Feb. 20; v. 235; p. 851.
- Power-regulating apparatus. J. C. Hagey. No. 1,225,620; May 8; v. 238; p. 573.
- Power-shovel. E. J. Armstrong and H. Rommerdale. No. 1,239,554; Sept. 11; v. 242; p. 294.
- Power system. J. D. Firmin. No. 1,230,471; June 19; v. 239; p. 788.
- Power system and apparatus. R. Varley. No. 1,225,532; May 8; v. 238; p. 541.
- Power. System of storing. R. A. Fessenden. No. 1,247,520; Nov. 20; v. 244; p. 768.
- Power-tables, Casing or shield for. N. Eichhorn and R. Becker. No. 1,223,681; Apr. 24; v. 237; p. 1041.
- Power-tamp. C. H. Merriman. No. 1,224,770; May 1; v. 238; p. 233.
- Power-tamp. D. L. Sauerhering. No. 1,235,729; Aug. 7; v. 241; p. 63.
- Power. Torsional equalizer for transmission of. H. G. Lord. No. 1,240,065; Sept. 11; v. 242; p. 453.
- Power transmission. W. H. Grindall. No. 1,213,354; Jan. 23; v. 234; p. 1130.
- Power transmission. A. Kuefer. No. 1,241,740; Oct. 2; v. 243; p. 87.
- Power transmission. J. P. Martiny and S. Thon. No. 1,249,160; Dec. 4; v. 245; p. 211.
- Power transmission. H. F. Story. No. 1,243,640; Oct. 16; v. 243; p. 755.
- Power transmission. E. L. Van Dolsen. No. 1,225,081; May 8; v. 238; p. 389.
- Power-transmission apparatus. H. P. Curtis. No. 1,229,416; June 12; v. 239; p. 401.
- Power-transmission apparatus. P. A. Murray. No. 1,248,697; Dec. 4; v. 245; p. 79.
- Power transmission, Controlling means for. J. G. Baukat. No. 1,239,252; Sept. 4; v. 242; p. 172.
- Power-transmission device. G. C. Brown. No. 1,212,896; Jan. 16; v. 234; p. 936.
- Power-transmission device. H. Corral. No. 1,211,292; Jan. 2; v. 234; p. 315.
- Power-transmission device. J. M. Kyle. No. 1,250,903; Dec. 18; v. 245; p. 793.
- Power-transmission device. C. M. Manly. No. 1,238,927; Sept. 4; v. 242; p. 66.
- Power-transmission device. W. W. Stephens. No. 1,222,336; Apr. 10; v. 237; p. 499.
- Power-transmission device. A. C. Zwarich. No. 1,237,598; Aug. 21; v. 241; p. 736.
- Power-transmission device, Differential-. H. M. Patch. No. 1,242,587; Oct. 9; v. 243; p. 397.
- Power transmission, Driving mechanism for. C. G. Branstator. No. 1,240,302; Sept. 18; v. 242; p. 568.
- Power transmission, Electric. J. G. P. Thomas. No. 1,217,529; Feb. 27; v. 235; p. 1200.
- Power transmission, Hydraulic. G. Constantinesco. No. 1,211,679; Jan. 9; v. 234; p. 479.
- Power-transmission mechanism. C. H. and L. C. Blomstrom. No. 1,225,307; May 8; v. 238; p. 466.
- Power-transmission mechanism. H. L. Fisher. No. 1,231,344; June 26; v. 239; p. 1118.
- Power-transmission mechanism. C. E. Gierding. No. 1,210,458; Jan. 2; v. 234; p. 28.
- Power-transmission mechanism. H. F. Herman. No. 1,246,426; Nov. 13; v. 244; p. 414.
- Power-transmission mechanism. C. B. Kurtz. No. 1,223,400; Apr. 24; v. 237; p. 939.
- Power-transmission mechanism. T. D. W. Pinckney. No. 1,242,974; Oct. 16; v. 243; p. 554.
- Power-transmission mechanism. W. Roper. No. 1,213,418; Jan. 23; v. 234; p. 1151.
- Power-transmission mechanism. J. Valentine. No. 1,213,303; Jan. 23; v. 234; p. 1112.
- Power-transmission mechanism, Differential-. W. W. Bunyan. No. 1,250,700; Dec. 18; v. 245; p. 732.
- Power-transmission mechanism for traction-machines. W. Strait. No. 1,250,381; Dec. 18; v. 245; p. 637.
- Power-transmission mechanism, Variable-speed. F. A. Hayes. No. 1,229,076; June 5; v. 239; p. 235.
- Power-transmission system. E. D. Campbell. No. 1,217,150; Feb. 27; v. 235; p. 1067.
- Power-transmission system. W. Morrison. (Reissue.) No. 14,282; Apr. 3; v. 237; p. 284.
- Power-transmission system. W. F. Smith. No. 1,250,687; Dec. 18; v. 245; p. 729.
- Power-transmission system, Centrifugally-regulated. W. Morrison. (Reissue.) No. 14,270; Mar. 13; v. 236; p. 571.
- Power transmission, Unit of. A. Kuefer. No. 1,241,741; Oct. 2; v. 243; p. 88.
- Power-transmitter. H. Corral. No. 1,211,293; Jan. 2; v. 234; p. 316.
- Power-transmitter. O. L. Dosch and A. A. Ackerman, Jr. No. 1,250,438; Dec. 18; v. 245; p. 655.
- Power-transmitter. G. E. Molyneux. No. 1,223,603; Apr. 24; v. 237; p. 1011.
- Power transmitting and converting apparatus, Electromagnetic. A. H. Neuland. No. 1,242,714; Oct. 9; v. 243; p. 437.
- Power-transmitting and speed-regulating means. J. Rogister. No. 1,212,110; Jan. 9; v. 234; p. 628.
- Power-transmitting and steering mechanism for caterpillar-tractors. E. Schneider. No. 1,247,725; Nov. 27; v. 244; p. 861.
- Power-transmitting apparatus. W. H. Hungerford. No. 1,231,160; June 26; v. 239; p. 1058.
- Power-transmitting apparatus. J. J. Koger. No. 1,218,278; Mar. 6; v. 236; p. 138.
- Power-transmitting apparatus. M. S. Perez. No. 1,248,392; Nov. 27; v. 244; p. 1049.
- Power-transmitting apparatus. C. R. Radcliffe. No. 1,234,802; July 31; v. 240; p. 1202.
- Power-transmitting connection. C. M. Abercrombie. No. 1,231,110; June 26; v. 239; p. 1041.
- Power-transmitting device. E. G. Glick. No. 1,210,461; Jan. 2; v. 234; p. 28.
- Power-transmitting device. O. O. Goben. No. 1,219,287; Mar. 13; v. 236; p. 522.
- Power-transmitting device. C. H. West. No. 1,242,289; Oct. 9; v. 243; p. 301.
- Power-transmitting device for motor-vehicles. J. C. Nardone. No. 1,211,335; Jan. 2; v. 234; p. 329.
- Power-transmitting device, Induction. A. H. Neuland. No. 1,223,095; Apr. 17; v. 237; p. 804.
- Power-transmitting device, Mechanical. F. J. Willis. No. 1,211,023; Jan. 2; v. 234; p. 224.
- Power-transmitting mechanism. E. F. W. Alexanderson. No. 1,223,924; Apr. 24; v. 237; p. 1125.
- Power-transmitting mechanism. W. C. Baker. No. 1,226,742; May 22; v. 238; p. 1029.
- Power-transmitting mechanism. G. Bluemel. No. 1,233,967; July 17; v. 240; p. 867.
- Power-transmitting mechanism. E. E. Clark. No. 1,244,426; Oct. 23; v. 243; p. 1028.
- Power-transmitting mechanism. O. H. Gentry. No. 1,239,900; Sept. 11; v. 242; p. 406.
- Power-transmitting mechanism. G. A. Gilbertson. No. 1,219,545; Mar. 20; v. 236; p. 644.
- Power-transmitting mechanism. W. S. Lewis. No. 1,241,864; Oct. 2; v. 243; p. 126.
- Power-transmitting mechanism. D. Noble. No. 1,235,837; Aug. 7; v. 241; p. 101.
- Power-transmitting mechanism. C. A. Parsons. A. Q. Carnegie, and S. S. Cook. No. 1,248,154; Nov. 27; v. 244; p. 983.
- Power-transmitting mechanism. L. Ringer. No. 1,232,608; July 10; v. 240; p. 388.
- Power-transmitting mechanism. R. E. Schley. No. 1,231,070; June 26; v. 239; p. 1027.
- Power-transmitting mechanism. F. D. Smith. No. 1,216,865; Feb. 20; v. 235; p. 925.
- Power-transmitting mechanism. J. H. Stortz. No. 1,224,682; May 1; v. 238; p. 202.
- Power-transmitting mechanism. A. Sundh. No. 1,228,145; May 29; v. 238; p. 1532.
- Power-transmitting mechanism. E. R. Swan. No. 1,225,075; May 8; v. 238; p. 387.
- Power-transmitting method and apparatus. A. H. Neuland. No. 1,246,643; Nov. 13; v. 244; p. 480.
- Power-wheel for grab-buckets. E. B. Perry. No. 1,241,271; Sept. 25; v. 242; p. 905.
- Precious metals, Apparatus for recovering. C. R. Rawdon and F. McCoole. No. 1,228,133; May 29; v. 238; p. 1528.
- Precious metals, Rotary gravity-machine for separating and concentrating. E. Randolph. No. 1,247,717; Nov. 27; v. 244; p. 859.
- Precious stones, Apparatus for cutting and polishing. F. E. Hilliard and W. G. Stevens. No. 1,228,919; June 5; v. 239; p. 185.
- Precipitation apparatus. A. E. Vandercook. No. 1,226,611; May 15; v. 238; p. 946.
- Preheater-inlet. S. H. Tacy. No. 1,220,473; Mar. 27; v. 236; p. 1007.
- Preheater-plate. S. H. Tacy. No. 1,249,551; Dec. 11; v. 245; p. 355.
- Preservative for fruits, eggs, and the like. T. Carrasco. No. 1,246,392; Nov. 13; v. 244; p. 405.
- Preserving. N. J. Darden. No. 1,215,254; Feb. 6; v. 235; p. 269.
- Preserving and ripening bananas, Apparatus for. H. A. Meinecke. No. 1,238,550; Aug. 28; v. 241; p. 1077.
- Preserving bodies, Apparatus for. W. R. Clayton. No. 1,213,335; Jan. 23; v. 234; p. 1123.
- Preserving fruits and vegetables fresh. H. C. M. Franks. No. 1,232,271; July 3; v. 240; p. 246.
- Preserving vegetables, fruits, and the like. J. Von Epler. No. 1,236,382; Aug. 7; v. 241; p. 270.
- Press: See—
- Arbor-press.
 - Baling-press.
 - Block or tile press.
 - Brick-press.
 - Briquetting-press.
 - Broaching-press.
 - Cheese-press.
 - Cloth-bolt press.
 - Collar-press.
 - Copying-press.
 - Crate-cover press.
 - Domestic press.
 - Drawing-press.
 - Drill-press.
 - Drive-wheel press.
 - Embossing-press.
 - Filter-press.
 - Fruit-press.
 - Fruit-box press.
 - Garment-press.

Press: *See*—Continued.

Hat-press. Printing-press.
 Hay-press. Racket-press.
 Hydraulic press. Rotary press.
 Insulator-press. Screw-press.
 Ironing-press. Separator-press.
 Mandrel-press. Shingle-press.
 Meat-press. Soap-press.
 Mop-press. Tie-press.
 Paper-press. Tile-press.
 Plate-press. Upholstering-press.
 Pottery-press. Vulcanizing-press.
 Powder-press. Web-press.

Press. B. C. Barton. No. 1,238,981; Sept. 4; v. 242; p. 84.
 Press. J. J. Berrigan. No. 1,227,739; May 29; v. 238; p. 1395.
 Press. F. S. Carver. No. 1,247,078; Nov. 20; v. 244; p. 642.
 Press. A. C. Downing. No. 1,242,531; Oct. 9; v. 243; p. 377.
 Press. J. C. Fiddymont. No. 1,219,279; Mar. 13; v. 236; p. 519.
 Press. A. L. Parmelee. No. 1,238,324; Aug. 28; v. 241; p. 1003.
 Press. H. T. Rowley and F. Schranz. No. 1,221,767; Apr. 3; v. 237; p. 265.
 Press. F. V. Simpson. No. 1,216,175; Feb. 13; v. 235; p. 634.
 Press. J. Young. No. 1,246,371; Nov. 13; v. 244; p. 398.
 Press and means for operating the same. H. Mueller. No. 1,232,711; July 10; v. 240; p. 423.
 Press attachment. W. S. Jones. No. 1,238,299; Aug. 28; v. 241; p. 995.
 Press-button. J. Borel and F. Grange. No. 1,231,841; July 3; v. 240; p. 103.
 Press-feeding means, Pneumatic. J. Duvall. No. 1,217,161; Feb. 27; v. 235; p. 1071.
 Press for beet-root cuttings, bagasse, or the like. E. Neufeldt. No. 1,245,950; Nov. 6; v. 244; p. 243.
 Press for clayware, Electrically-heated. S. G. Brinkman. No. 1,248,800; Dec. 4; v. 245; p. 111.
 Press for vulcanizing-molds. C. H. Gray. No. 1,234,330; July 24; v. 240; p. 1019.
 Press-mold. H. A. Wickham. No. 1,239,652; Sept. 11; v. 242; p. 325.
 Press or impact apparatus. L. F. Kristufek. No. 1,230,492; June 19; v. 239; p. 794.
 Press safety device. R. B. Benjamin. No. 1,212,176; Jan. 16; v. 234; p. 680.
 Press safety device. W. Cottrell. No. 1,212,187; Jan. 16; v. 234; p. 685.
 Press standardizer, Job-. W. S. McMath. No. 1,213,520; Jan. 23; v. 234; p. 1187.
 Press-trip, Automatic. J. L. McKindley and S. B. Kindy. No. 1,217,971; Mar. 6; v. 236; p. 29.
 Presses, Automatic feeding mechanism for bed-and-platen. H. A. W. Wood. No. 1,213,567; Jan. 23; v. 234; p. 1204.
 Presses, Automatic tripping mechanism for bed-and-platen. H. A. W. Wood. No. 1,213,568; Jan. 23; v. 234; p. 1204.
 Presses, Blanket-clamp for offset-. E. L. C. Clark. No. 1,215,344; Feb. 13; v. 235; p. 334.
 Presses, Delivery mechanism for sheet-feed rotary. H. M. Barber. No. 1,223,023; Apr. 17; v. 237; p. 779.
 Presses, Delivery mechanism for sheet-feed rotary. H. M. Barber. No. 1,245,550; Nov. 6; v. 244; p. 124.
 Presses, Inking attachment for. F. A. Williams. No. 1,210,576; Jan. 2; v. 234; p. 68.
 Presses, Multiplying-gear for arbor-. W. J. O. Johnson. No. 1,232,558; July 10; v. 240; p. 372.
 Presses, Plate-hook for rotary. J. W. Pitt. No. 1,247,574; Nov. 20; v. 244; p. 783.
 Presses, Safety attachment for. J. Prachar. No. 1,248,707; Dec. 4; v. 245; p. 83.
 Presses, Safety attachment for punch-. H. E. Marvel. No. 1,238,548; Aug. 28; v. 241; p. 1076.
 Presses, Safety device for. R. B. Benjamin. No. 1,242,642; Oct. 9; v. 243; p. 414.
 Presses, Safety device for. A. M. Kendrick. No. 1,244,097; Oct. 23; v. 243; p. 930.
 Presses, Safety-guard for. C. M. Brandt. No. 1,234,723; July 31; v. 240; p. 1179.
 Presser bars, Automatic release for. W. S. Sherman. No. 1,224,676; May 1; v. 238; p. 200.
 Pressing and steaming iron. C. L. Taylor. No. 1,237,726; Aug. 21; v. 241; p. 778.
 Pressing-board and holder. J. R. Anderson. No. 1,228,869; June 5; v. 239; p. 169.
 Pressing iron, Garment-seam-. E. H. Zacharias. No. 1,239,552; Sept. 11; v. 242; p. 294.
 Pressing machine. F. A. and A. C. Austin. No. 1,233,293; July 10; v. 240; p. 669.
 Pressing machine. E. T. Betker. No. 1,250,420; Dec. 18; v. 245; p. 649.
 Pressing-machine, Steam. C. Frankel and I. Cohen. No. 1,230,389; June 19; v. 239; p. 759.
 Pressing machine, Seam-. J. P. Staples. No. 1,234,950; July 31; v. 240; p. 1251.
 Pressure control mechanism. Excess-brake cylinder. W. C. Webster. No. 1,250,111; Dec. 11; v. 245; p. 517.

Pressure-controlling device. P. A. Myers. No. 1,217,333; Feb. 27; v. 235; p. 1128.
 Pressure-correcting meter. A. G. Kollstede. No. 1,230,583; June 19; v. 239; p. 826.
 Pressure-gage. R. B. Austin. No. 1,250,414; Dec. 18; v. 245; p. 647.
 Pressure-gage. H. M. Babikian. No. 1,233,297; July 17; v. 240; p. 647.
 Pressure-gage. H. P. Kraft and M. C. Schweinert. No. 1,221,548; Apr. 3; v. 237; p. 192.
 Pressure-gage. C. J. Manning. No. 1,222,315; Apr. 10; v. 237; p. 491.
 Pressure-gage. A. E. Pollock. No. 1,220,272; Mar. 27; v. 236; p. 934.
 Pressure-gage. F. Schubert. (Reissue.) No. 14,339; July 31; v. 240; p. 1432.
 Pressure-gage. M. C. Schweinert. No. 1,248,429; Nov. 27; v. 244; p. 1060.
 Pressure-gage and exhaust-valve. W. G. Branz. No. 1,223,252; Apr. 17; v. 237; p. 855.
 Pressure-gage attachment. W. A. Allen. No. 1,227,563; May 29; v. 238; p. 1335.
 Pressure-gage for engine-cylinders. A. H. Smith. No. 1,230,527; June 19; v. 239; p. 806.
 Pressure-gage index. G. E. Traub. No. 1,226,828; May 22; v. 238; p. 1060.
 Pressure-generating device. F. S. Welch. No. 1,218,233; Mar. 6; v. 236; p. 121.
 Pressure, Generation of. J. Dow. No. 1,237,877; Aug. 21; v. 241; p. 823.
 Pressure-generator. G. F. Jontz. No. 1,249,767; Dec. 11; v. 245; p. 418.
 Pressure-indicator. A. Schinkez. No. 1,227,080; May 22; v. 238; p. 1147.
 Pressure indicator and regulator. W. M. Von Sick. No. 1,225,084; May 8; v. 238; p. 390.
 Pressure indicator and valve. W. W. Lower. No. 1,213,515; Jan. 23; v. 234; p. 1185.
 Pressure-indicator safety device. F. E. Collinson. No. 1,239,565; Sept. 11; v. 242; p. 298.
 Pressure mechanism, Differential. G. H. Bowen, Jr. No. 1,236,399; Aug. 14; v. 241; p. 310.
 Pressure-operated apparatus. G. C. Pharo. No. 1,222,984; Apr. 17; v. 237; p. 765.
 Pressure-operated apparatus. G. C. Pharo. No. 1,222,985; Apr. 17; v. 237; p. 766.
 Pressure-producing apparatus. W. J. Reilly. No. 1,219,867; Mar. 20; v. 236; p. 755.
 Pressure-ratio gage. E. G. Bailey. No. 1,220,488; Mar. 27; v. 236; p. 1012.
 Pressure-regulating apparatus. L. M. Karnasch. No. 1,243,073; Oct. 16; v. 243; p. 587.
 Pressure-regulator. F. S. Denison. No. 1,228,188; May 29; v. 238; p. 1545.
 Pressure-regulator. R. C. Enyart. No. 1,249,934; Dec. 11; v. 245; p. 468.
 Pressure-regulator. J. C. Hagey. No. 1,225,619; May 8; v. 238; p. 572.
 Pressure-regulator. C. R. McDonald. No. 1,219,974; Mar. 20; v. 236; p. 792.
 Pressure-regulator. C. W. McLaughlin. No. 1,221,342; Apr. 3; v. 237; p. 120.
 Pressure-regulator. J. P. Metzger. No. 1,244,226; Oct. 23; v. 243; p. 969.
 Pressure-regulator. W. G. Miller. No. 1,222,652; Apr. 17; v. 237; p. 652.
 Pressure-regulator. W. G. Miller. No. 1,222,653; Apr. 17; v. 237; p. 652.
 Pressure-regulator. C. J. Veley. No. 1,214,978; Feb. 6; v. 235; p. 174.
 Pressure-regulator and motor cut-out. E. E. Davis. No. 1,245,200; Nov. 6; v. 244; p. 18.
 Pressure-releasing mechanism. P. H. Schendler. No. 1,217,642; Feb. 27; v. 235; p. 1241.
 Pressure safety device. L. A. Sheldon. No. 1,250,680; Dec. 18; v. 245; p. 727.
 Pressure-tank, Automatic. A. G. Hicks. No. 1,236,386; Aug. 7; v. 241; p. 272.
 Pressure-transmitting controller. F. E. Mills. No. 1,246,298; Nov. 13; v. 244; p. 375.
 Pressures and impacts and method of operating the same, Apparatus for exerting. M. P. Jacomini. No. 1,230,486; June 19; v. 239; p. 792.
 Pretzel-making machine. C. F. Betz. No. 1,250,779; Dec. 18; v. 245; p. 756.
 Primary battery. E. F. Callender. No. 1,215,774; Feb. 13; v. 235; p. 459.
 Primary battery. G. S. Engle. No. 1,224,455; May 1; v. 238; p. 123.
 Primary battery. C. B. Schoenmehl and M. L. Martus. No. 1,226,816; May 22; v. 238; p. 1056.
 Prime movers, Multiple-control system for. G. H. Curtiss. No. 1,223,316; Apr. 17; v. 237; p. 877.
 Prime movers, Starter for. W. S. Carpenter, Jr. No. 1,229,584; June 12; v. 239; p. 457.
 Primer. F. O. Kilgore. No. 1,233,247; July 10; v. 240; p. 596.
 Priming apparatus. F. O. Kilgore. No. 1,216,460; Feb. 20; v. 235; p. 786.
 Priming-cup. O. Zerk. No. 1,212,727; Jan. 16; v. 234; p. 880.
 Priming device. I. S. Creamer. No. 1,226,191; May 15; v. 238; p. 808.

Alphabetical list of inventions—Continued.

- Priming device. J. C. Graf. No. 1,221,532; Apr. 3; v. 237; p. 187.
- Priming device. E. A. Knowler. No. 1,217,015; Feb. 20; v. 235; p. 976.
- Priming device. C. H. Morse, Jr., and F. G. Hobart. No. 1,240,080; Sept. 11; v. 242; p. 458.
- Print-drying apparatus. M. B. Martin. No. 1,240,468; Sept. 18; v. 242; p. 620.
- Print-drying machine. W. E. Stromberg. No. 1,234,410; July 24; v. 240; p. 1047.
- Printed instrument. J. E. Mack. No. 1,222,010; Apr. 10; v. 237; p. 384.
- Printed matter, Drying mechanism for. T. J. Beregh, Jr. No. 1,251,173; Dec. 25; v. 245; p. 922.
- Printer, Automatic. G. M. Yorke. No. 1,215,604; Feb. 13; v. 235; p. 430.
- Printer for statistical purposes, Tabulator-. J. Powers. No. 1,245,502; Nov. 6; v. 244; p. 107.
- Printer-tabulator. J. Powers. No. 1,245,503; Nov. 6; v. 244; p. 108.
- Printer's blanket. W. M. Carmichael. No. 1,246,231; Nov. 13; v. 244; p. 355.
- Printers' blankets and other purposes, Fabric for. F. E. Ellis. No. 1,231,141; June 26; v. 239; p. 1051.
- Printer's chase. C. A. Rousseau. No. 1,212,405; Jan. 16; v. 234; p. 764.
- Printer's guide. W. Gjodesen. No. 1,245,097; Oct. 30; v. 243; p. 1270.
- Printers' leads, Apparatus for casting. J. S. Bancroft and M. C. Indahl. No. 1,220,055; Mar. 20; v. 236; p. 821.
- Printers' rollers, Resilient composition for. C. E. Sohn. No. 1,215,886; Feb. 13; v. 235; p. 529.
- Printers' rollers, Resilient composition for. C. E. Soane. No. 1,223,745; Apr. 24; v. 237; p. 1065.
- Printers' rollers, Resilient composition for. C. E. Soane. No. 1,239,630; Sept. 11; v. 242; p. 318.
- Printing and addressing machine, Combined. W. Hay. No. 1,236,930; Aug. 14; v. 241; p. 485.
- Printing and autograph machine, Combined. F. G. Marbach. No. 1,247,305; Nov. 20; v. 244; p. 707.
- Printing and cutting machine. J. F. Ancona. No. 1,222,914; Apr. 17; v. 237; p. 741.
- Printing and die-stamping presses, Wiper and polisher for plate-. C. Hawkins. No. 1,230,897; June 26; v. 239; p. 967.
- Printing and feeding mechanism for accounting-machines, Slip. M. Jacob. No. 1,238,777; Sept. 4; v. 242; p. 17.
- Printing and issuing machine, Ticket. A. J. Jung. No. 1,233,245; July 10; v. 240; p. 595.
- Printing and issuing machine, Transfer. J. F. Ohmer and H. J. Sibley. No. 1,210,971; Jan. 2; v. 234; p. 205.
- Printing and issuing tickets, Apparatus for. A. J. Tanner. No. 1,210,561; Jan. 2; v. 234; p. 64.
- Printing and marking machine. E. Woodward. No. 1,214,632; Feb. 6; v. 235; p. 52.
- Printing and projecting apparatus, Film. H. M. Connor and D. D. Miles. No. 1,249,335; Dec. 11; v. 245; p. 293.
- Printing and scarring paper, Machine for. J. Whitaker. No. 1,213,049; Jan. 16; v. 234; p. 989.
- Printing apparatus. R. Adams. No. 1,221,815; Apr. 10; v. 237; p. 315.
- Printing apparatus. H. M. Borden. No. 1,232,486; July 10; v. 240; p. 349.
- Printing apparatus. F. C. Dolcater. No. 1,236,153; Aug. 7; v. 241; p. 200.
- Printing apparatus, Automatic light-controlled film-. D. Horsley. No. 1,227,623; May 29; v. 238; p. 1355.
- Printing apparatus, Offset-. A. L. Parmelee. No. 1,238,326; Aug. 28; v. 241; p. 1003.
- Printing apparatus with multiple lister. U. G. Lee. No. 1,211,459; Jan. 9; v. 234; p. 405.
- Printing-block for block-printing machines. G. Prifold. No. 1,218,461; Mar. 6; v. 236; p. 198.
- Printing-bodies, Forming. O. H. Martinsen. No. 1,219,472; Mar. 20; v. 236; p. 617.
- Printing characters, Automatic machine for leveling. J. S. Duncan. No. 1,239,678; Sept. 11; v. 242; p. 334.
- Printing characters, Machine for leveling. J. S. Duncan. No. 1,239,677; Sept. 11; v. 242; p. 334.
- Printing device. J. B. Hall. No. 1,243,289; Oct. 16; v. 243; p. 650.
- Printing device. A. G. Ogden. No. 1,244,362; Oct. 23; v. 243; p. 1009.
- Printing device. J. Whitaker. No. 1,232,634; July 10; v. 240; p. 395.
- Printing device for ticket printing, issuing, and auditing machines. J. F. Ohmer. No. 1,242,967; Oct. 16; v. 243; p. 571.
- Printing device, Roll-. I. W. King. No. 1,229,476; June 12; v. 239; p. 421.
- Printing device, Starch-. F. G. Cameron. No. 1,249,595; Dec. 11; v. 245; p. 367.
- Printing device, Stencil-. J. S. Duncan. No. 1,234,310; July 24; v. 240; p. 1013.
- Printing, duplicating, and addressing machine. H. M. Freck. No. 1,228,425; June 5; v. 239; p. 18.
- Printing-forms and making the same, Strip element of. A. L. Knight. No. 1,237,058; Aug. 14; v. 241; p. 526.
- Printing-forms, Casting-machine for elements of. A. L. Knight. No. 1,222,415; Apr. 10; v. 237; p. 527.
- Printing-forms with fine screen for stereotype-work, Making. R. W. M. Nitzsche. No. 1,245,370; Nov. 6; v. 244; p. 68.
- Printing-frame. C. De Marco. No. 1,236,683; Aug. 14; v. 241; p. 404.
- Printing-frame. E. H. Hollister. No. 1,225,957; May 15; v. 238; p. 728.
- Printing-frame. J. A. Robertson. No. 1,237,701; Aug. 21; v. 241; p. 769.
- Printing-frame. E. W. Sweigard. No. 1,234,416; July 24; v. 240; p. 1050.
- Printing-frames, Attachment to. F. J. Von Gunten. No. 1,251,143; Dec. 25; v. 245; p. 913.
- Printing frame, Pneumatic. L. F. Levy. No. 1,246,620; Nov. 13; v. 244; p. 474.
- Printing from individual record-plates, Apparatus for. J. F. Brogdon. No. 1,249,016; Dec. 4; v. 245; p. 171.
- Printing from individual record-plates, Apparatus for. C. Owens. No. 1,246,147; Nov. 13; v. 244; p. 330.
- Printing from intaglio printing-plates, Mechanism for. H. A. W. Wood. No. 1,239,242; Sept. 4; v. 242; p. 168.
- Printing implement. G. E. Black and J. W. Wheeler. No. 1,215,900; Feb. 13; v. 235; p. 534.
- Printing labels directly on buckets, Machine for. A. S. Moses. No. 1,247,563; Nov. 20; v. 244; p. 779.
- Printing, lithographing, and other like machines, Mounting of feed-guides of. E. J. Roberts. No. 1,231,198; June 26; v. 239; p. 1070.
- Printing-machine. W. M. Bacon. No. 1,220,585; Mar. 27; v. 236; p. 1046.
- Printing-machine. E. Dake. No. 1,229,896; June 12; v. 239; p. 561.
- Printing-machine. P. Dignan. No. 1,240,828; Sept. 25; v. 242; p. 763.
- Printing-machine. J. S. Duncan. No. 1,245,207; Nov. 6; v. 244; p. 20.
- Printing-machine. E. Duscher. No. 1,221,160; Apr. 3; v. 237; p. 55.
- Printing-machine. H. E. Elmlad. No. 1,221,429; Apr. 3; v. 237; p. 150.
- Printing-machine. R. Grant and F. C. Mairson. No. 1,235,135; July 31; v. 240; p. 1306.
- Printing-machine. G. K. Henderson. No. 1,237,206; Aug. 14; v. 241; p. 570.
- Printing-machine. C. E. Henry. No. 1,248,856; Dec. 4; v. 245; p. 127.
- Printing-machine. C. A. Kellogg. No. 1,232,329; July 3; v. 240; p. 265.
- Printing-machine. R. Lindemann. No. 1,231,759; July 3; v. 240; p. 75.
- Printing-machine. J. G. Mark. No. 1,216,150; Feb. 13; v. 235; p. 626.
- Printing-machine. L. E. Morrison. No. 1,245,759; Nov. 6; v. 244; p. 186.
- Printing-machine. W. Scott. No. 1,232,615; July 10; v. 240; p. 390.
- Printing-machine. G. S. Slingerland, J. F. Zeifang, and J. Goffin. No. 1,225,515; May 8; v. 238; p. 535.
- Printing-machine. R. P. Sloan. No. 1,228,074; May 29; v. 238; p. 1510.
- Printing machine, Block-. R. G. Jackson. No. 1,241,391; Sept. 25; v. 242; p. 940.
- Printing machine, Block-. E. B. Schaefer. No. 1,224,964; May 8; v. 238; p. 350.
- Printing machine, Block-. W. H. Waldron. No. 1,251,144; Dec. 25; v. 245; p. 913.
- Printing machine, Blue-. F. H. Hoffman. No. 1,219,944; Mar. 20; v. 236; p. 783.
- Printing machine, Blue-. F. F. Metzger. No. 1,234,554; July 24; v. 240; p. 1092.
- Printing machine, Color-. P. Morris. No. 1,243,333; Oct. 16; v. 243; p. 663.
- Printing-machine cylinder. W. B. Story. No. 1,217,524; Feb. 27; v. 235; p. 1198.
- Printing machine, Fabric-. L. A. Gill. No. 1,214,538; Feb. 6; v. 235; p. 20.
- Printing machine, Film-. J. A. Ramsey. No. 1,212,259; Jan. 16; v. 234; p. 713.
- Printing machine, Flat-block linoleum-. N. L. Campbell. No. 1,228,529; June 5; v. 239; p. 53.
- Printing-machine having a continuously-rotating cylinder. C. Winkler. No. 1,241,321; Sept. 25; v. 242; p. 919.
- Printing-machine, Inking mechanism. J. C. Pugh. No. 1,243,341; Oct. 16; v. 243; p. 666.
- Printing machine, Multicolor-. R. Jacobucci. No. 1,240,159; Sept. 11; v. 242; p. 483.
- Printing-machine, plate-clamping device. H. Pearce, T. R. G. Parker, and R. H. Carverhill. No. 1,223,068; Apr. 17; v. 237; p. 794.
- Printing-machine sheet-delivery apparatus. H. M. Barber. No. 1,225,743; May 15; v. 238; p. 656.
- Printing-machine, Tabulator. J. Powers. No. 1,245,504; Nov. 6; v. 244; p. 109.
- Printing machine, Ticket-. F. Skerl. No. 1,215,585; Feb. 13; v. 235; p. 423.
- Printing machine, Web-. D. J. Scott. No. 1,217,646; Feb. 27; v. 235; p. 1243.
- Printing-machines, Bed-motion for. B. C. White. No. 1,214,102; Jan. 30; v. 234; p. 1416.
- Printing-machines, Color-applying mechanism for. C. Winkler. No. 1,221,642; Apr. 3; v. 237; p. 222.
- Printing-machines, Filling-in attachment for. E. Duscher. No. 1,221,159; Apr. 3; v. 237; p. 55.

- Printing machines, Reel-brake for web-. T. R. G. Parker, W. E. Bannison, and W. Lee. No. 1,241,759; Oct. 2; v. 243; p. 93.
- Printing machinery. A. B. Evans. No. 1,215,132; Feb. 6; v. 235; p. 226.
- Printing machinery. A. B. Evans. No. 1,237,886; Aug. 21; v. 241; p. 826.
- Printing-matrix. L. Friel. No. 1,226,499; May 15; v. 238; p. 912.
- Printing. Means for preventing offset in. J. E. Doyle. No. 1,222,746; Apr. 17; v. 237; p. 685.
- Printing. Mechanical relieving previous to typographic. A. Marzio. No. 1,233,799; July 17; v. 240; p. 812.
- Printing mechanism. A. W. Mueller. No. 1,218,105; Mar. 6; v. 236; p. 76.
- Printing mechanism. C. Wales. No. 1,232,738; July 10; v. 240; p. 432.
- Printing mechanism and perforating-machine, Combined. J. Powers. No. 1,224,413; May 1; v. 238; p. 108.
- Printing mechanism for adding-machines. N. White. No. 1,229,844; June 12; v. 239; p. 544.
- Printing mechanism for cash-registers. F. M. Carroll. No. 1,245,191; Nov. 6; v. 244; p. 15.
- Printing mechanism for cash-registers. E. J. Von Pein. No. 1,230,241; June 19; v. 239; p. 711.
- Printing mechanism for computing-machines. J. E. W. Greve. No. 1,247,670; Nov. 27; v. 244; p. 844.
- Printing mechanism for meters. C. I. Hall. No. 1,223,384; Apr. 24; v. 237; p. 933.
- Printing mechanism. Light-varying apparatus for. P. F. Sperry. No. 1,232,727; July 10; v. 240; p. 428.
- Printing mechanism. Number-. W. P. Quentell. No. 1,240,256; Sept. 18; v. 242; p. 553.
- Printing mechanism. Rotary perfecting sheet-. H. M. Barber. No. 1,242,908; Oct. 16; v. 243; p. 532.
- Printing mechanisms, Rebouncing device for number-. H. Ellis. No. 1,219,445; Mar. 20; v. 236; p. 608.
- Printing mediums. Producing. I. S. Bunnell. No. 1,237,239; Aug. 14; v. 241; p. 581.
- Printing oil-cloth and the like. Machine for. J. F. Sturrock. No. 1,216,181; Feb. 13; v. 235; p. 636.
- Printing or embossing machine, Rotary. G. Olsen. No. 1,231,332; July 3; v. 240; p. 133.
- Printing or postmarking machine. R. A. Boswell. No. 1,243,802; Oct. 23; v. 243; p. 842.
- Printing-plate. G. R. Cornwall. No. 1,215,494; Feb. 13; v. 235; p. 387.
- Printing-plate and making same. Intaglio. W. S. Eaton. No. 1,215,354; Feb. 13; v. 235; p. 338.
- Printing-plate clamp. W. Pippert. No. 1,214,216; Jan. 30; v. 234; p. 1454.
- Printing-plate-shaving machine. H. M. Barber. No. 1,212,730; Jan. 16; v. 234; p. 881.
- Printing-plates. Adjustable supporting-base for. R. F. Chrisman. No. 1,240,315; Sept. 18; v. 242; p. 572.
- Printing-plates. Device for making. G. R. Cornwall. No. 1,243,264; Oct. 16; v. 243; p. 642.
- Printing-plates. Device for use in making. G. R. Cornwall. No. 1,242,523; Oct. 9; v. 243; p. 374.
- Printing-plates. Forming. W. W. Kirby. No. 1,219,332; Mar. 13; v. 236; p. 538.
- Printing-plates. Machine for making. J. S. Duncan. No. 1,243,273; Oct. 16; v. 243; p. 645.
- Printing-plates. Machine for rolling. J. S. Duncan. No. 1,239,679; Sept. 11; v. 242; p. 335.
- Printing-plates. Making. E. Leitner. No. 1,243,431; Oct. 16; v. 243; p. 692.
- Printing-plates. Preparing. A. R. Bourges. No. 1,237,238; Aug. 14; v. 241; p. 581.
- Printing-plates. Producing. G. R. Cornwall. No. 1,215,493; Feb. 13; v. 235; p. 387.
- Printing-plates, &c. Producing a graduated surface on etched or engraved. W. J. Wickers and P. M. Furlong. No. 1,250,404; Dec. 18; v. 245; p. 644.
- Printing plates. Producing color-. J. D. Johnson. No. 1,237,342; Aug. 21; v. 241; p. 654.
- Printing-plates. Shaving stereotype. H. A. W. Wood. No. 1,216,388; Feb. 20; v. 235; p. 761.
- Printing-press. A. T. H. Brower. No. 1,218,049; Mar. 6; v. 236; p. 57.
- Printing-press. J. R. Hays. No. 1,229,610; June 12; v. 239; p. 467.
- Printing-press. O. F. Hilgendorf and W. C. Palmer. No. 1,246,268; Nov. 13; v. 244; p. 366.
- Printing-press. W. M. Kelly. No. 1,227,450; May 22; v. 238; p. 1266.
- Printing-press. H. J. Leach. No. 1,236,186; Aug. 7; v. 241; p. 211.
- Printing-press. C. A. McCain. No. 1,225,670; May 8; v. 238; p. 588.
- Printing-press. F. E. Meehan. No. 1,232,950; July 10; v. 240; p. 501.
- Printing-press. L. Meyer. No. 1,231,282; June 26; v. 239; p. 1098.
- Printing-press. A. L. Parmelee. No. 1,238,325; Aug. 28; v. 241; p. 1003.
- Printing-press. W. J. Ramsaier. No. 1,239,128; Sept. 4; v. 242; p. 131.
- Printing-press. E. Rickenbacher. No. 1,250,353; Dec. 18; v. 245; p. 629.
- Printing-press. W. H. Smith. No. 1,250,236; Dec. 18; v. 245; p. 594.
- Printing-press. W. E. Sooy. No. 1,235,391; July 31; v. 240; p. 1382.
- Printing-press. C. F. Stoddard, Jr. No. 1,223,347; Apr. 17; v. 237; p. 888.
- Printing-press. C. B. Swink. No. 1,231,668; July 3; v. 240; p. 44.
- Printing-press. J. White. No. 1,214,485; Jan. 30; v. 234; p. 1546.
- Printing-press. R. G. Whitlock. No. 1,230,966; June 26; v. 239; p. 991.
- Printing-press and folder, Rotary. H. F. Bechman. No. 1,240,011; Sept. 11; v. 242; p. 440.
- Printing-press and for regulating the run of the same through the press, Mechanism for renewing the web in a. J. J. Walser and C. A. Dresser. No. 1,233,004; July 10; v. 240; p. 517.
- Printing-press and the like, Platen. G. H. Lindström. No. 1,219,119; Mar. 13; v. 236; p. 466.
- Printing-press appliance. J. E. Doyle. No. 1,222,742; Apr. 17; v. 237; p. 683.
- Printing-press appliance. J. E. Doyle. No. 1,222,743; Apr. 17; v. 237; p. 684.
- Printing-press attachment. F. E. Meehan. No. 1,234,785; July 31; v. 240; p. 1198.
- Printing-press attachment. C. E. Shreffler. No. 1,237,396; Aug. 21; v. 241; p. 672.
- Printing-press-controlling device. W. J. Krentner. No. 1,231,747; July 3; v. 240; p. 72.
- Printing-press cylinder-mounting. G. A. Friess. No. 1,227,774; May 29; v. 238; p. 1407.
- Printing-press delivery attachment. H. L. Koehler. No. 1,215,285; Feb. 6; v. 235; p. 279.
- Printing-press embossing attachment. F. W. Reed. No. 1,223,614; Apr. 24; v. 237; p. 1016.
- Printing-press feed guide or gage. L. W. Phillips and L. B. Haines. No. 1,250,006; Dec. 11; v. 245; p. 487.
- Printing-press. Flat-bed multiple. C. M. Mead. No. 1,238,434; Aug. 28; v. 241; p. 1035.
- Printing-press gripper. N. Sadovsky. No. 1,244,548; Oct. 30; v. 243; p. 1105.
- Printing-press heater. G. H. Jenkins. No. 1,236,178; Aug. 7; v. 241; p. 209.
- Printing-press impression mechanism. C. A. McCain. No. 1,225,667; May 8; v. 238; p. 587.
- Printing-press ink-fountain. E. L. C. Clark. No. 1,231,567; July 3; v. 240; p. 9.
- Printing-press ink-fountain. W. C. Hart. No. 1,244,979; Oct. 30; v. 243; p. 1235.
- Printing-press inking arrangement. B. D. Stevens. No. 1,242,259; Oct. 9; v. 243; p. 291.
- Printing-press inking mechanism. V. Fegley. No. 1,246,574; Nov. 13; v. 244; p. 460.
- Printing-press inking mechanism. C. A. McCain. No. 1,225,668; May 8; v. 238; p. 587.
- Printing-press numbering-machine. M. A. Courtney. No. 1,224,279; May 1; v. 238; p. 59.
- Printing-press registering device. I. Levin. No. 1,241,527; Oct. 2; v. 243; p. 18.
- Printing-press rollers. Adjusting means for. V. G. Morgan. No. 1,240,078; Sept. 11; v. 242; p. 457.
- Printing-press, Rotary. H. F. Bechman. No. 1,223,025; Apr. 17; v. 237; p. 780.
- Printing-press, Rotary. H. F. Bechman. No. 1,240,009; Sept. 11; v. 242; p. 439.
- Printing-press, Rotary. H. F. Bechman. No. 1,240,010; Sept. 11; v. 242; p. 439.
- Printing-press, Rotary. H. F. Bechman. No. 1,240,013; Sept. 11; v. 242; p. 440.
- Printing-press, Rotary. H. F. Bechman. No. 1,240,014; Sept. 11; v. 242; p. 440.
- Printing-press, Rotary cylinder. H. F. Bechman. No. 1,240,008; Sept. 11; v. 242; p. 439.
- Printing press, Rotary offset-. H. Pearce and T. R. G. Parker. No. 1,215,404; Feb. 13; v. 235; p. 354.
- Printing press, Rotary web-. H. F. Bechman. No. 1,240,015; Sept. 11; v. 242; p. 441.
- Printing press. Sheet-. B. F. Upham. No. 1,231,463; June 26; v. 239; p. 1158.
- Printing-press sheet-delivering mechanism. F. H. Berold. No. 1,234,122; July 24; v. 240; p. 951.
- Printing-press sheet-delivery mechanism. G. C. Leov. No. 1,211,726; Jan. 9; v. 234; p. 494.
- Printing-press sheet-delivery mechanism. C. A. McCain. No. 1,225,669; May 8; v. 238; p. 588.
- Printing-press sheet-feeding mechanism. I. A. Hunting. No. 1,224,645; May 1; v. 238; p. 188.
- Printing-press substantially free from electricity. Discharging sheets from a. M. Clinton. No. 1,216,211; Feb. 13; v. 235; p. 647.
- Printing-press webs and the like. Mechanism for uniting. G. S. Williamson. No. 1,217,252; Feb. 27; v. 235; p. 1101.
- Printing-press webs, Tension-equalizer for. J. M. Trier. No. 1,240,631; Sept. 18; v. 242; p. 668.
- Printing-press webs. Uniting. G. S. Williamson. No. 1,217,253; Feb. 27; v. 235; p. 1102.
- Printing presses and making the same. Blanket for offset-. B. W. Hoerbelt. No. 1,211,706; Jan. 9; v. 234; p. 488.
- Printing-presses. Automatic paper-adjuster and gage-pin for platen. C. A. Nace. No. 1,241,241; Sept. 25; v. 242; p. 892.
- Printing-presses. Blotting or offsetting mechanism for. R. Miehle. No. 1,240,996; Sept. 25; v. 242; p. 816.
- Printing-presses. Changer for inking apparatus for. W. J. Ramsaier. No. 1,239,127; Sept. 4; v. 242; p. 131.

- Printing-presses, Device for clamping printing-plates to the cylinders of. T. R. G. Parker and J. Shuttleworth. No. 1,240,247; Sept. 18; v. 242; p. 550.
- Printing-presses, Feeding mechanism for inking-ribbons for. E. F. Joehrendt. No. 1,228,928; June 5; v. 239; p. 187.
- Printing-presses, Flat-sheet-delivery mechanism for. H. M. Barber. No. 1,226,168; May 15; v. 238; p. 800.
- Printing-presses, Inking mechanism for. W. M. Evensen. No. 1,247,943; Nov. 27; v. 244; p. 924.
- Printing-presses, Inking mechanism for. W. M. Evensen. No. 1,247,944; Nov. 27; v. 244; p. 925.
- Printing-presses, Jogger attachment for platen. L. F. Howard. No. 1,235,477; July 31; v. 240; p. 1407.
- Printing-presses, Make-ready of impression-cylinders of. A. W. Cochran and F. M. Youngs. No. 1,227,557; May 22; v. 238; p. 1303.
- Printing-presses, Packing for. F. E. Ellis. No. 1,231,142; June 26; v. 239; p. 1052.
- Printing-presses, Paper-holder or jogging-board for. F. G. Norman. No. 1,246,986; Nov. 20; v. 244; p. 616.
- Printing-presses, Roll-changer for web-. L. F. Pfister. No. 1,250,217; Dec. 18; v. 245; p. 588.
- Printing-presses, Roller-trip for. F. O. and E. C. Gustafson. No. 1,249,619; Dec. 11; v. 245; p. 374.
- Printing-presses, Sheet-jogger for. W. H. Scovill. No. 1,219,783; Mar. 20; v. 236; p. 725.
- Printing-presses, Shoo-fly for. M. A. Droitcour. No. 1,216,668; Feb. 20; v. 235; p. 858.
- Printing, Process for intaglio-. C. Blecher. No. 1,250,421; Dec. 18; v. 245; p. 649.
- Printing purposes, Means for attaching engraved sheets to cylinders for. A. A. K. Tallent and G. K. Carlson. No. 1,231,968; July 3; v. 240; p. 144.
- Printing-roller, Non-skid. W. Schaller. No. 1,228,829; June 5; v. 239; p. 155.
- Printing-surface. J. J. Halliwell. No. 1,248,319; Nov. 27; v. 244; p. 1029.
- Printing-surface on etched or engraved plates, electro-types, and stereotypes, Producing a graduated. W. J. Wickers and P. M. Furlong. No. 1,250,403; Dec. 18; v. 245; p. 644.
- Printing the Assyrian language. J. E. Werda. No. 1,240,633; Sept. 18; v. 242; p. 669.
- Printing upon the opening edges of books. M. F. Meyer. No. 1,249,448; Dec. 11; v. 245; p. 325.
- Profile-cutter head. F. L. Lane. No. 1,226,896; May 22; v. 238; p. 1082.
- Projected images, Apparatus for receiving. C. T. Cahill. No. 1,218,979; Mar. 13; v. 236; p. 419.
- Projectile. E. J. Bondurant. No. 1,218,832; Mar. 13; v. 236; p. 368.
- Projectile. D. G. Downs. No. 1,229,421; June 12; v. 239; p. 402.
- Projectile. R. Ffrench. No. 1,244,046; Oct. 23; v. 243; p. 916.
- Projectile. A. W. Graham. No. 1,219,724; Mar. 20; v. 236; p. 705.
- Projectile. A. W. Graham. No. 1,234,657; July 24; v. 240; p. 1124.
- Projectile. F. M. Hale. No. 1,233,224; July 10; v. 240; p. 589.
- Projectile. T. Hase. No. 1,222,288; Apr. 10; v. 237; p. 481.
- Projectile. S. T. Henry. No. 1,248,656; Dec. 4; v. 245; p. 67.
- Projectile. C. A. Johannesen. No. 1,242,944; Oct. 16; v. 243; p. 545.
- Projectile. F. A. Lizarraga. No. 1,241,409; Sept. 25; v. 242; p. 945.
- Projectile. H. F. Loomis. No. 1,247,480; Nov. 20; v. 244; p. 743.
- Projectile. W. R. Moore. No. 1,243,542; Oct. 16; v. 243; p. 725.
- Projectile. R. Quist. No. 1,230,217; June 19; v. 239; p. 703.
- Projectile. E. L. Robinson. No. 1,247,331; Nov. 20; v. 244; p. 714.
- Projectile. M. F. Rossi. No. 1,222,142; Apr. 10; v. 237; p. 430.
- Projectile. J. A. Steinmetz. No. 1,223,634; Apr. 24; v. 237; p. 1023.
- Projectile. A. P. Swoboda. No. 1,231,451; June 26; v. 239; p. 1155.
- Projectile. C. W. White. No. 1,226,732; May 22; v. 238; p. 1027.
- Projectile and fuse or firing mechanism therefor. W. S. Isham. No. 1,237,909; Aug. 21; v. 241; p. 834.
- Projectile and gun therefor. B. Dawkins. No. 1,246,726; Nov. 13; v. 244; p. 503.
- Projectile and making the same. D. H. Armstrong. No. 1,240,293; Sept. 18; v. 242; p. 565.
- Projectile, Apparatus for actuating a rolling. G. G. Lemons. No. 1,216,472; Feb. 20; v. 235; p. 791.
- Projectile, Artillery-. E. R. Watson. No. 1,220,803; Mar. 27; v. 236; p. 1119.
- Projectile-banding machine. E. A. Grenelle. No. 1,233,343; July 17; v. 240; p. 662.
- Projectile, Cumulative artillery-. P. Roger. No. 1,216,364; Feb. 20; v. 235; p. 751.
- Projectile, Explosive. R. Gunter and M. M. Eakin. No. 1,211,936; Jan. 9; v. 234; p. 573.
- Projectile, Explosive. E. S. Wales. No. 1,222,051; Apr. 10; v. 237; p. 398.
- Projectile, Explosive. E. S. Wales. No. 1,228,723; June 5; v. 239; p. 119.
- Projectile-fuse-testing apparatus. C. L. Heisler. No. 1,241,213; Sept. 25; v. 242; p. 883.
- Projectile-loading apparatus. G. W. Lake. No. 1,231,388; June 26; v. 239; p. 1133.
- Projectile, Ordnance-. J. A. Steinmetz. No. 1,211,001; Jan. 2; v. 234; p. 216.
- Projectile-protector. W. L. Sechler. No. 1,239,309; Sept. 4; v. 242; p. 189.
- Projectile-shells, Machine for forming. R. J. Whelan. No. 1,218,143; Mar. 6; v. 236; p. 89.
- Projectile, Wire-cutting. R. Vioch. No. 1,232,627; July 10; v. 240; p. 393.
- Projectiles, Apparatus for firing or discharging explosive. F. P. Aylwin. No. 1,234,603; July 24; v. 240; p. 1108.
- Projectiles, Percussion mechanism for explosive. E. W. Coleman. No. 1,216,078; Feb. 13; v. 235; p. 599.
- Projecting apparatus. W. E. De Witt. No. 1,229,908; June 12; v. 239; p. 565.
- Projecting apparatus. F. A. Loftus. No. 1,224,392; May 1; v. 238; p. 100.
- Projecting apparatus. H. B. Magowan. No. 1,228,685; June 5; v. 239; p. 105.
- Projecting apparatus. G. L. W. Palmer. No. 1,215,975; Feb. 13; v. 235; p. 561.
- Projecting apparatus. G. L. W. Palmer. No. 1,240,593; Sept. 18; v. 242; p. 657.
- Projection apparatus. A. Ames, Jr. No. 1,216,910; Feb. 20; v. 235; p. 939.
- Projection apparatus. A. Ames, Jr. No. 1,216,911; Feb. 20; v. 235; p. 940.
- Projection apparatus. A. Ames, Jr. No. 1,216,914; Feb. 20; v. 235; p. 941.
- Projection apparatus. A. Ames, Jr. No. 1,235,752; Aug. 7; v. 241; p. 72.
- Projection apparatus. L. G. Morris. No. 1,216,835; Feb. 20; v. 235; p. 915.
- Projection apparatus. W. L. Patterson. No. 1,218,113; Mar. 6; v. 236; p. 79.
- Projection apparatus. J. B. Taylor. No. 1,213,974; Jan. 30; v. 234; p. 1371.
- Projection apparatus. J. B. Taylor. No. 1,213,975; Jan. 30; v. 234; p. 1372.
- Projection apparatus and illumination system therefor. W. L. Patterson. No. 1,224,663; May 1; v. 238; p. 195.
- Projection apparatus, Scene-shifting device for. W. L. Patterson. No. 1,226,806; May 22; v. 238; p. 1053.
- Projection apparatus, Slide-shifting device for. C. H. Bierbaum. No. 1,226,176; May 15; v. 238; p. 803.
- Projection-machine illumination. P. L. Clark. No. 1,248,456; Dec. 4; v. 245; p. 8.
- Projectographoscope. W. L. Deming. No. 1,218,749; Mar. 13; v. 236; p. 337.
- Projector. R. Dobbs. No. 1,240,034; Sept. 11; v. 242; p. 446.
- Projector. S. L. Lebby. No. 1,249,133; Dec. 4; v. 245; p. 203.
- Prong-cutting machine, Automatic. L. Lehr. No. 1,216,469; Feb. 20; v. 235; p. 789.
- Prong-cutting machines, Setting-gage for. L. Lehr. No. 1,216,470; Feb. 20; v. 235; p. 790.
- Propeller. A. Barker. No. 1,217,684; Feb. 27; v. 235; p. 1255.
- Propeller. C. M. Berry. No. 1,228,874; June 5; v. 239; p. 171.
- Propeller. G. H. Curtiss. No. 1,223,321; Apr. 17; v. 237; p. 878.
- Propeller. A. J. D'Entremont. No. 1,210,611; Jan. 2; v. 234; p. 80.
- Propeller. S. Eberhardt. No. 1,229,243; June 12; v. 239; p. 341.
- Propeller. H. D. Estes. No. 1,220,080; Mar. 20; v. 236; p. 830.
- Propeller. P. E. Ferrero. No. 1,218,386; Mar. 6; v. 236; p. 173.
- Propeller. F. Kowalski. No. 1,228,787; June 5; v. 239; p. 141.
- Propeller. E. J. Lowe. No. 1,217,790; Feb. 27; v. 235; p. 189.
- Propeller, Air-. T. Francisco. No. 1,242,788; Oct. 9; v. 243; p. 460.
- Propeller, Air-. S. D. Mott. No. 1,248,151; Nov. 27; v. 244; p. 982.
- Propeller for motor-boats, &c. T. Francisco. No. 1,217,742; Feb. 27; v. 235; p. 1273.
- Propeller for ships, Spiral. J. J. Tobin and F. J. Gallagher. No. 1,229,350; June 12; v. 239; p. 378.
- Propeller, Reversible. P. J. Murcko. No. 1,241,651; Oct. 2; v. 243; p. 59.
- Propeller, Rowboat-. A. Drescher. No. 1,246,729; Nov. 13; v. 244; p. 504.
- Propeller, Screw-. C. W. Grindle. No. 1,247,263; Nov. 20; v. 244; p. 695.
- Propeller, Screw-. A. D. Iskols. No. 1,245,234; Nov. 6; v. 244; p. 28.
- Propeller, Screw-. G. H. Nitschke. No. 1,234,070; July 17; v. 240; p. 898.
- Propeller-shaft connection. H. R. Bruah. No. 1,243,805; Oct. 23; v. 243; p. 843.
- Propeller, Ship-. M. E. Davis. No. 1,216,549; Feb. 20; v. 235; p. 818.

- Propeller-wheels, Baffle-plate for. S. A. Smith. No. 1,226,400; May 15; v. 238; p. 881.
- Propellers, Device for increasing the output of screw. A. Glisenti. No. 1,220,327; Mar. 27; v. 236; p. 956.
- Propelling apparatus. V. G. Anderson. No. 1,242,635; Oct. 9; v. 243; p. 412.
- Propelling apparatus, Ship-. P. N. Hicks. No. 1,239,009; Sept. 4; v. 242; p. 93.
- Propelling attachment for canoes, rowboats, &c. C. J. Meyer. No. 1,234,370; July 24; v. 240; p. 1034.
- Propelling device. H. E. Rose. No. 1,227,200; May 22; v. 238; p. 1187.
- Propelling device for rowboats, Detachable. O. K. Nicolaysen. No. 1,234,929; July 31; v. 240; p. 1243.
- Propelling device, Vessel-. C. H. Edinger. No. 1,229,729; June 12; v. 239; p. 505.
- Propelling mechanism. O. Edquist. No. 1,245,208; Nov. 6; v. 244; p. 20.
- Propelling mechanism. W. F. Wilke. No. 1,218,027; Mar. 6; v. 236; p. 48.
- Propelling mechanism for vessels. E. R. McCreary. No. 1,236,191; Aug. 7; v. 241; p. 213.
- Propelling mechanism, Vessel-. J. A. Cashel. No. 1,224,274; May 1; v. 238; p. 57.
- Propelling-wheel. R. C. Hill. No. 1,228,209; May 29; v. 238; p. 1552.
- Proportional meter. J. W. Ledoux. No. 1,225,978; May 15; v. 238; p. 735.
- Proportioning feeding device. H. A. Allen. No. 1,223,021; Apr. 17; v. 237; p. 778.
- Propulsion apparatus, Steam. J. F. Metten. No. 1,214,207; Jan. 30; v. 234; p. 1451.
- Propulsion, Electric ship. W. L. R. Emmet. No. 1,214,528; Feb. 6; v. 235; p. 16.
- Propulsion, Marine. J. F. Metten. No. 1,235,991; Aug. 7; v. 241; p. 151.
- Propulsion, Marine-turbine. J. C. Shaw. No. 1,235,937; Aug. 7; v. 241; p. 134.
- Propulsion, Means for. H. M. Cake. No. 1,229,583; June 12; v. 239; p. 457.
- Propulsion mechanism. H. M. Cake. No. 1,224,120; Apr. 24; v. 237; p. 1191.
- Propulsion mechanism. G. W. Rundle. No. 1,226,014; May 15; v. 238; p. 748.
- Propulsion mechanism for boats, Auxiliary. O. W. Cobb. No. 1,247,082; Nov. 20; v. 244; p. 643.
- Propulsion of boats. G. B. Parietti. No. 1,222,124; Apr. 10; v. 237; p. 422.
- Propulsion, Ship. J. F. Metten. No. 1,245,486; Nov. 6; v. 244; p. 102.
- Propulsion, System of ship. E. F. W. Alexanderson. No. 1,215,094; Feb. 6; v. 235; p. 214.
- Propulsion, System of ship. E. F. W. Alexanderson. No. 1,215,095; Feb. 6; v. 235; p. 215.
- Propulsion, System of steam. E. H. Coapman and R. L. Ettenger. No. 1,236,910; Aug. 14; v. 241; p. 477.
- Prospecting-machine. J. Wisniewski. No. 1,227,865; May 29; v. 238; p. 1438.
- Protective apparatus. T. Schidorsky. No. 1,230,607; June 19; v. 239; p. 834.
- Protective device. E. E. F. Creighton. No. 1,213,844; Jan. 30; v. 234; p. 1328.
- Protective device. E. O. E. Kliphahn. No. 1,239,795; Sept. 11; v. 242; p. 371.
- Protective device. C. P. Steinmetz. No. 1,230,615; June 19; v. 239; p. 836.
- Protective device responsive to phase relations. Apparatus for rendering a. S. D. Sprong and W. E. McCoy. No. 1,211,000; Jan. 2; v. 234; p. 216.
- Protective-element-forming machine. R. A. Plumb and C. R. Weed. No. 1,220,550; Mar. 27; v. 236; p. 1034.
- Protective system. J. B. Speed. No. 1,223,437; Apr. 24; v. 237; p. 952.
- Protector. H. G. Bandfield. No. 1,222,350; Apr. 10; v. 237; p. 504.
- Protector. W. L. Cook. No. 1,222,365; Apr. 10; v. 237; p. 509.
- Protector. D. T. May. No. 1,219,833; Mar. 20; v. 236; p. 743.
- Protector. A. R. House. No. 1,243,939; Oct. 23; v. 243; p. 883.
- Proteidal composition and making the same. S. S. Row. No. 1,245,984; Nov. 6; v. 244; p. 250.
- Proteins or albuminous matter, Extracting and modifying. C. C. Ringler and J. Beerhalter. No. 1,213,545; Jan. 23; v. 234; p. 1197.
- Protractor. E. V. Hagman. No. 1,229,069; June 5; v. 239; p. 233.
- Protractor. A. Ollariu. No. 1,228,697; June 5; v. 239; p. 110.
- Protractor. P. Olmsted. No. 1,247,866; Nov. 27; v. 244; p. 902.
- Protractor. E. Zona. No. 1,245,304; Nov. 6; v. 244; p. 49.
- Protractor and bevel, Combined. A. H. Helden. No. 1,223,974; Apr. 24; v. 237; p. 1141.
- Protractor, Navigation-. F. W. Sterling and R. A. Koch. No. 1,226,141; May 15; v. 238; p. 791.
- Protractor, Stair-. C. W. Reveal. No. 1,249,496; Dec. 11; v. 245; p. 339.
- Prune-gatherer. J. Meyer. No. 1,251,080; Dec. 25; v. 245; p. 895.
- Prune-packing device. A. M. Barker. No. 1,235,094; July 31; v. 240; p. 1294.
- Pruning implement. C. F. Galbreath. No. 1,213,619; Jan. 23; v. 234; p. 1222.
- Pruning implement. M. B. Miller. No. 1,224,194; May 1; v. 238; p. 28.
- Pruning implement. A. A. Unruh. No. 1,246,685; Nov. 13; v. 244; p. 491.
- Prussic acid, Process of and apparatus for manufacturing. O. Liebknecht. No. 1,235,342; July 31; v. 240; p. 1368.
- Prussic acid, Producing. O. Liebknecht. No. 1,235,343; July 31; v. 240; p. 1369.
- Psychrometer. F. B. Comins. No. 1,234,529; July 24; v. 240; p. 1085.
- Publicity apparatus. M. Puissant. No. 1,218,699; Mar. 13; v. 236; p. 319.
- Pucker-removing mechanism. G. C. Snyder. No. 1,217,521; Feb. 27; v. 235; p. 1198.
- Puddling-furnace. E. L. Ford. No. 1,212,929; Jan. 16; v. 234; p. 947.
- Puddling-iron. J. E. Fletcher and J. Harrison. No. 1,220,081; Mar. 20; v. 236; p. 830.
- Pull-chain switch. C. J. Klein. No. 1,249,117; Dec. 4; v. 245; p. 198.
- Pull-socket. H. Hubbell. No. 1,229,464; June 12; v. 239; p. 417.
- Pull-socket. G. B. Thomas. No. 1,246,493; Nov. 13; v. 244; p. 435.
- Puller: See—
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| Auto-puller. | Post-puller. |
| Automobile-puller. | Rod-puller. |
| Battery-element puller. | Seine-puller. |
| Bevel-gear puller. | Self-anchoring puller. |
| Bottle-cap puller. | Spike-puller. |
| Clothes-line puller. | Stake-puller. |
| Cork-puller. | Stump-puller. |
| Fuse-puller. | Tie-puller. |
| Gear-puller. | Weed-puller. |
- Pulley. C. A. Brinley. No. 1,232,445; July 3; v. 240; p. 300.
- Pulley. B. G. Carle. No. 1,211,541; Jan. 9; v. 234; p. 433.
- Pulley. J. J. Dillon. No. 1,224,152; May 1; v. 238; p. 13.
- Pulley. J. B. Dunlap. No. 1,219,382; Mar. 13; v. 236; p. 557.
- Pulley. A. E. Finch. No. 1,245,448; Nov. 6; v. 244; p. 91.
- Pulley. L. Gutmann. No. 1,211,937; Jan. 9; v. 234; p. 573.
- Pulley. S. Shimamoto and T. Inouye. No. 1,233,814; July 17; v. 240; p. 817.
- Pulley. A. O. Vestine. No. 1,217,371; Feb. 27; v. 235; p. 1142.
- Pulley. L. E. Younie. No. 1,213,570; Jan. 23; v. 234; p. 1205.
- Pulley, Adjustable. A. Ast. No. 1,237,147; Aug. 14; v. 241; p. 553.
- Pulley and rope guide. J. N. Ankrom. No. 1,242,636; Oct. 9; v. 243; p. 412.
- Pulley attachment. A. Fontaine. No. 1,241,726; Oct. 2; v. 243; p. 84.
- Pulley, Automatic safety-. D. F. O'Connell. No. 1,231,052; June 26; v. 239; p. 1021.
- Pulley, Awning-. W. B. Kiehl. No. 1,241,992; Oct. 2; v. 243; p. 1191.
- Pulley-block. T. Belt. No. 1,241,489; Oct. 2; v. 243; p. 4.
- Pulley-block. A. B. Campbell. No. 1,220,182; Mar. 27; v. 236; p. 903.
- Pulley clamp, Split-. J. Cobert. No. 1,244,835; Oct. 30; v. 243; p. 167.
- Pulley clamp, Split-. M. O. Reeves. No. 1,215,858; Feb. 13; v. 235; p. 519.
- Pulley-cover, Non-slipping. T. J. Cahill. No. 1,217,270; Feb. 27; v. 235; p. 1107.
- Pulley covering or facing. L. Gutmann. No. 1,211,938; Jan. 9; v. 234; p. 573.
- Pulley, Expanding. H. S. Marsh. No. 1,224,558; May 1; v. 238; p. 159.
- Pulley for disk crushers. J. McInroe. No. 1,247,302; Nov. 20; v. 244; p. 706.
- Pulley for high-speed transmission. M. Leblanc. No. 1,218,674; Mar. 13; v. 236; p. 309.
- Pulley-line extension, Safety. C. W. Morse. No. 1,233,280; July 10; v. 240; p. 606.
- Pulley, Loose. W. F. Daggett. No. 1,210,607; Jan. 2; v. 234; p. 78.
- Pulley mechanism. C. R. Pieper. No. 1,233,601; July 17; v. 240; p. 751.
- Pulley, Metal split. N. Barry. No. 1,223,024; Apr. 17; v. 237; p. 779.
- Pulley, Mine-. J. B. Anderson. No. 1,218,505; Mar. 6; v. 236; p. 213.
- Pulley, Power-transmission. C. S. Bergquist. No. 1,238,627; Aug. 28; v. 241; p. 1100.
- Pulley, Power-transmission. F. Floege. No. 1,220,738; Mar. 27; v. 236; p. 1097.
- Pulley, Split. H. R. Ellsworth. No. 1,234,744; July 31; v. 240; p. 1186.
- Pulley-stand. N. Barry. No. 1,244,943; Oct. 30; v. 243; p. 1224.
- Pulley, Window-. E. B. Young. No. 1,215,231; Feb. 6; v. 235; p. 261.

Alphabetical list of inventions—Continued.

- Pulleys, Friction-clutch for. A. E. Krause. No. 1,210,660; Jan. 2; v. 234; p. 99.
- Pulleys, Lugging-fastener for. W. W. Cosby. No. 1,221,792; Apr. 3; v. 237; p. 274.
- Pulleys to shafts, Device for keying. E. E. Forshey. No. 1,229,927; June 12; v. 239; p. 571.
- Pulling device. R. N. Eggleston. No. 1,248,470; Dec. 4; v. 245; p. 12.
- Pulling device. W. J. Paul. No. 1,230,211; June 19; v. 239; p. 701.
- Pulling implement. D. E. Badley. No. 1,237,149; Aug. 14; v. 241; p. 553.
- Pulling-jack for motor-vehicles. S. C. Hickman. No. 1,228,918; June 5; v. 239; p. 184.
- Pulling-machine, Portable. C. H. Overly and O. A. Thompson. No. 1,213,242; Jan. 23; v. 234; p. 1090.
- Pulling-over machine. W. P. Mills and C. M. Bagshaw. No. 1,246,300; Nov. 13; v. 244; p. 376.
- Pulling-over machine. A. Perri. No. 1,249,185; Dec. 4; v. 245; p. 218.
- Pulp and paper machines, Impregnated press-roll for. J. A. De Cew. No. 1,235,961; Aug. 7; v. 241; p. 142.
- Pulp articles, Apparatus and process for making. G. H. Rodwell. No. 1,218,001; Mar. 6; v. 236; p. 39.
- Pulp-beating engine. J. Nuttall. No. 1,250,632; Dec. 18; v. 245; p. 712.
- Pulp boiler, Wood-. E. Morterud. No. 1,228,950; June 5; v. 239; p. 194.
- Pulp-digesters, Sampling device for. P. S. Tuttle. No. 1,222,249; Apr. 10; v. 237; p. 468.
- Pulp-feed regulator. I. J. Witham. No. 1,233,738; July 17; v. 240; p. 793.
- Pulp-feed regulator. I. J. Witham and G. E. Mayo. No. 1,248,972; Dec. 4; v. 245; p. 158.
- Pulp gathering and transferring device. A. J. Hodge and H. B. Ruggles. No. 1,249,087; Dec. 4; v. 245; p. 191.
- Pulp gathering, transferring, squeezing, and forming device. A. J. Hodge and H. B. Ruggles. No. 1,249,088; Dec. 4; v. 245; p. 191.
- Pulp gathering, transferring, squeezing, compressing, forming, and drying device for regular and irregular shaped drums or cylinders. A. J. Hodge and H. B. Ruggles. No. 1,246,816; Nov. 13; v. 244; p. 530.
- Pulp grinder, Wood-. H. E. Tidmarsh. No. 1,231,672; July 3; v. 240; p. 46.
- Pulp into sheets, Machine for converting. H. G. Rogers. No. 1,223,905; Apr. 24; v. 237; p. 1119.
- Pulp, Machine for making articles from. F. Pruyn and W. J. De Reamer. No. 1,211,229; Jan. 2; v. 234; p. 293.
- Pulp, Manufacture of chemical sulfate. C. N. Waite and J. E. Hedin. No. 1,249,287; Dec. 4; v. 245; p. 249.
- Pulp molding and drying machine. J. H. Rivers. (Re-issue.) No. 1,426,262; Feb. 20; v. 235; p. 1018.
- Pulp-rolls, Securing means for the outer ends of. E. Simonson. No. 1,239,976; Sept. 11; v. 242; p. 429.
- Pulp saving and washing machine. J. E. Malone. No. 1,212,978; Jan. 16; v. 234; p. 966.
- Pulp-screen. R. S. Clarke. No. 1,210,905; Jan. 2; v. 234; p. 182.
- Pulp-screen. R. S. Clarke. No. 1,210,906; Jan. 2; v. 234; p. 182.
- Pulp-screen. P. P. Westby. No. 1,225,198; May 8; v. 238; p. 428.
- Pulp, Screening. A. J. Haug. No. 1,246,815; Nov. 13; v. 244; p. 530.
- Pulp, Separating suspended. W. Hoskins. No. 1,226,333; May 15; v. 238; p. 860.
- Pulp-stock, Automatic means for regulating. T. Warner. No. 1,225,086; May 8; v. 238; p. 391.
- Pulp thickening and agitating apparatus. J. V. Dorr. No. 1,211,828; Jan. 9; v. 234; p. 532.
- Pulps, Replacing solvents in. G. Moore. No. 1,248,374; Nov. 27; v. 244; p. 1045.
- Pulping apparatus. H. L. Kutter. No. 1,222,218; Apr. 10; v. 237; p. 457.
- Pulping machinery. A. F. O. B. and W. T. Bahr. No. 1,233,164; July 10; v. 240; p. 570.
- Pulverized-fuel burner. L. H. Bergman. No. 1,213,820; Jan. 30; v. 234; p. 1319.
- Pulverized-fuel burner. L. H. Bergman. No. 1,213,821; Jan. 30; v. 234; p. 1319.
- Pulverized-fuel burner. L. H. Bergman. No. 1,213,822; Jan. 30; v. 234; p. 1320.
- Pulverizer. C. A. Dreisbach. No. 1,238,115; Aug. 28; v. 241; p. 933.
- Pulverizer. B. and J. A. Gale. No. 1,241,205; Sept. 25; v. 242; p. 880.
- Pulverizer. W. K. Liggett. No. 1,214,558; Feb. 6; v. 235; p. 26.
- Pulverizer. G. A. Wagatha. No. 1,223,840; Apr. 24; v. 237; p. 1096.
- Pulverizer, Centrifugal. H. Adams. No. 1,221,952; Apr. 10; v. 237; p. 365.
- Pulverizer, Impact-. R. C. Newhouse. No. 1,212,991; Jan. 16; v. 234; p. 970.
- Pulverizer, Salt-shaker. F. E. Teves. No. 1,226,278; May 15; v. 238; p. 842.
- Pulverizer, Soil-. E. W. Winner. No. 1,219,793; Mar. 20; v. 236; p. 729.
- Pulverizing and grinding mills, Yoke for. F. D. F. Walters and E. E. Waters. No. 1,248,215; Nov. 27; v. 244; p. 1000.
- Pulverizing and treating ores, clay, and other mineral substances, Process of and apparatus for. A. B. Wiloughby. No. 1,246,514; Nov. 13; v. 244; p. 441.
- Pulverizing apparatus. J. Crites. No. 1,221,141; Apr. 3; v. 237; p. 50.
- Pulverizing apparatus, Centrifugal impact. D. O. Marks. No. 1,228,338; May 29; v. 238; p. 1594.
- Pulverizing-machine. F. C. Ferry. No. 1,217,930; Mar. 6; v. 236; p. 16.
- Pulverizing-mills, Pneumatic separator for. E. J. Steckle. No. 1,246,344; Nov. 13; v. 244; p. 389.
- Pulverizing molten materials, Method and apparatus for. W. Freeman. No. 1,245,328; Nov. 6; v. 244; p. 56.
- Pulverizing wheel, Soil-. C. E. Sackett. No. 1,230,793; June 19; v. 239; p. 894.
- Pulverulent materials in receptacles, Packing. C. Krarup. No. 1,218,416; Mar. 6; v. 236; p. 183.
- Pump. S. E. Bellah. No. 1,225,563; May 8; v. 238; p. 553.
- Pump. E. Benson. No. 1,234,119; July 24; v. 240; p. 950.
- Pump. C. J. Coberly. No. 1,235,112; July 31; v. 240; p. 1299.
- Pump. A. N. Cooper. No. 1,213,461; Jan. 23; v. 234; p. 1168.
- Pump. F. J. Crouch. No. 1,246,241; Nov. 13; v. 244; p. 358.
- Pump. F. C. Crowe. No. 1,227,890; May 29; v. 238; p. 1447.
- Pump. P. H. Durup. No. 1,218,246; Mar. 6; v. 236; p. 126.
- Pump. A. M. Farmer. No. 1,233,858; July 17; v. 240; p. 832.
- Pump. A. T. Fraser. No. 1,246,253; Nov. 13; v. 244; p. 361.
- Pump. C. A. Gehman and J. W. Hughes. No. 1,225,124; May 8; v. 238; p. 404.
- Pump. C. H. Guptail. No. 1,242,685; Oct. 9; v. 243; p. 428.
- Pump. J. C. Harbison. No. 1,215,148; Feb. 6; v. 235; p. 232.
- Pump. G. C. Hicks, Jr. No. 1,241,513; Oct. 2; v. 243; p. 13.
- Pump. W. S. Holdaway. No. 1,218,602; Mar. 6; v. 236; p. 246.
- Pump. G. Horvath. No. 1,240,211; Sept. 18; v. 242; p. 540.
- Pump. L. H. Jensen. No. 1,244,053; Oct. 23; v. 243; p. 917.
- Pump. A. Johnson. No. 1,218,086; Mar. 6; v. 236; p. 69.
- Pump. H. B. Jones. No. 1,240,855; Sept. 25; p. 242; p. 772.
- Pump. W. Kieser and G. Pagel. No. 1,215,282; Feb. 6; v. 235; p. 278.
- Pump. A. E. Kutschbach. No. 1,225,041; May 8; v. 238; p. 376.
- Pump. E. P. Larsh. No. 1,242,104; Oct. 2; v. 243; p. 202.
- Pump. J. L. Latta. No. 1,231,624; July 3; v. 240; p. 28.
- Pump. J. L. Latta. No. 1,237,530; Aug. 21; v. 241; p. 714.
- Pump. A. L. Ligon. No. 1,223,498; Apr. 24; v. 237; p. 975.
- Pump, &c. F. W. Machlet. No. 1,237,668; Aug. 21; v. 241; p. 759.
- Pump. W. Mack and M. A. and J. F. O'Toole. No. 1,217,797; Feb. 27; v. 235; p. 1293.
- Pump. W. S. McFerren. No. 1,238,036; Aug. 21; v. 241; p. 874.
- Pump. R. W. Murray. No. 1,224,200; May 1; v. 238; p. 30.
- Pump. P. A. Myers. No. 1,244,534; Oct. 30; v. 243; p. 1099.
- Pump. J. A. Norton. No. 1,242,842; Oct. 9; v. 243; p. 477.
- Pump. D. W. Reddin, Jr. No. 1,236,981; Aug. 14; v. 241; p. 501.
- Pump. C. Runquist. No. 1,221,602; Apr. 3; v. 237; p. 209.
- Pump. P. Schou. No. 1,250,232; Dec. 18; v. 245; p. 593.
- Pump. H. D. Schroeder. No. 1,211,767; Jan. 9; v. 234; p. 509.
- Pump. C. M. Sears. No. 1,245,806; Nov. 6; v. 244; p. 202.
- Pump. K. D. Smith. No. 1,222,481; Apr. 10; v. 237; p. 551.
- Pump. K. D. Smith. No. 1,244,913; Oct. 30; v. 243; p. 1215.
- Pump. K. D. Smith. No. 1,246,342; Nov. 13; v. 244; p. 389.
- Pump. T. Stebbins. No. 1,226,140; May 15; v. 238; p. 790.
- Pump. F. Subry. No. 1,223,122; Apr. 17; v. 237; p. 813.
- Pump. A. Sundh. No. 1,239,059; Sept. 4; v. 242; p. 108.
- Pump. N. W. Thompson. No. 1,250,050; Dec. 11; v. 245; p. 500.
- Pump. F. D. Tice. No. 1,229,676; June 12; v. 239; p. 489.
- Pump. W. G. Weatherly. No. 1,234,587; July 24; v. 240; p. 1103.
- Pump. D. G. Wherry. No. 1,238,467; Aug. 28; v. 241; p. 1048.

- Pump. I. G. Williams. No. 1,248,230; Nov. 27; v. 244; p. 1004.
- Pump. J. Zwicky. No. 1,232,159; July 3; v. 240; p. 211.
- Pump-agitator. C. E. Hopkins. No. 1,242,938; Oct. 16; p. 238; p. 1403.
- Pump, Air-. H. M. Dunlap. No. 1,227,762; May 29; v. 238; p. 1403.
- Pump, Air-. C. W. Manzel. No. 1,213,522; Jan. 23; v. 234; p. 1188.
- Pump, Air-. A. Z. Miculius. No. 1,241,872; Oct. 2; v. 243; p. 128.
- Pump, Air-. J. K. Tomlinson. No. 1,245,401; Nov. 6; v. 244; p. 77.
- Pump, Air-lift. J. S. Piper. No. 1,232,393; July 3; v. 240; p. 284.
- Pump, Air-lift. O. M. Pruitt. No. 1,214,952; Feb. 6; v. 235; p. 165.
- Pump, Air-lift separator-. O. M. Pruitt. No. 1,214,951; Feb. 6; v. 235; p. 164.
- Pump and agitator, Automatic. C. E. Hopkins. No. 1,242,939; Oct. 16; v. 243; p. 543.
- Pump and compressor. H. A. Humphrey and W. J. Russell. No. 1,224,381; May 1; v. 238; p. 96.
- Pump and disinfecter, Lavatory. J. J. Hitchcock. No. 1,236,712; Aug. 14; v. 241; p. 415.
- Pump and fan for water and air and other fluids, Rotary. C. F. Kite and M. H. Skelt. No. 1,231,381; June 26; v. 239; p. 1131.
- Pump and injector, Variable-delivery. J. G. Zuber. No. 1,224,589; May 1; v. 238; p. 169.
- Pump and registering-meter, Combined. A. A. Bowser. No. 1,250,786; Dec. 18; v. 245; p. 758.
- Pump and reservoir, Combined. C. H. Morse, Jr., and F. G. Hobart. No. 1,240,079; Sept. 11; v. 242; p. 457.
- Pump, Antifreezing. J. H. Alexander. No. 1,230,976; June 26; v. 239; p. 995.
- Pump attachment. H. H. Arnett. No. 1,241,696; Oct. 2; v. 243; p. 73.
- Pump attachment. W. L. Sanford. No. 1,243,113; Oct. 16; v. 243; p. 598.
- Pump attachment. P. Schoen. No. 1,224,572; May 1; v. 238; p. 164.
- Pump attachment. J. Train. No. 1,244,143; Oct. 23; v. 243; p. 943.
- Pump attachment, Air-. C. S. Gardner. No. 1,212,760; Jan. 16; v. 234; p. 892.
- Pump attachment for automobiles, Water-. J. J. Fahrney. No. 1,236,554; Aug. 14; v. 241; p. 362.
- Pump, Automatic. W. A. Harris. No. 1,242,548; Oct. 9; v. 243; p. 383.
- Pump, Automatic air-. G. W. Dopkins. No. 1,221,295; Apr. 3; v. 237; p. 104.
- Pump, Automatic air-. F. Rogalski. No. 1,233,704; July 17; v. 240; p. 782.
- Pump, Automatic tire-. L. F. Crane. No. 1,229,039; June 5; v. 239; p. 223.
- Pump, Automobile-. P. S. Herring. No. 1,246,919; Nov. 20; v. 244; p. 597.
- Pump, Automobile-. A. W. Lee. No. 1,250,474; Dec. 18; v. 245; p. 665.
- Pump, Automobile-. F. P. Schmidt. No. 1,235,062; July 31; v. 240; p. 1284.
- Pump, Balanced double-acting. W. B. Campbell, T. A. Bateman, and S. F. Wilson. No. 1,245,435; Nov. 6; v. 244; p. 87.
- Pump, Bilge-. A. Hydegger. No. 1,242,231; Oct. 9; v. 243; p. 283.
- Pump booster, Air-lift-. F. S. Miller. No. 1,227,816; May 29; v. 238; p. 1421.
- Pump, Breast-. J. T. Emott. No. 1,213,606; Jan. 23; v. 234; p. 1218.
- Pump, Breast-. M. Volquards. No. 1,220,707; Mar. 27; v. 236; p. 1087.
- Pump, Cam-actuated. D. M. Oiler, Sr. No. 1,236,863; Aug. 14; v. 241; p. 463.
- Pump, Centrifugal. G. H. Anderson. No. 1,238,731; Sept. 4; v. 242; p. 3.
- Pump, Centrifugal. T. A. Bateman. No. 1,250,267; Dec. 18; v. 245; p. 604.
- Pump, Centrifugal. L. W. Bodinson. No. 1,221,822; Apr. 10; v. 237; p. 317.
- Pump, Centrifugal. W. A. Doble. No. 1,220,403; Mar. 27; v. 236; p. 982.
- Pump, Centrifugal. E. F. Entwisle. No. 1,210,777; Jan. 2; v. 234; p. 137.
- Pump, Centrifugal. C. R. Lang. No. 1,241,128; Sept. 25; v. 242; p. 856.
- Pump, Centrifugal. C. Radiguer. No. 1,220,000; Mar. 20; v. 236; p. 801.
- Pump, Centrifugal. J. B. Sperry. No. 1,234,948; July 31; v. 240; p. 1249.
- Pump, Centrifugal. W. W. Weitling. No. 1,249,572; Dec. 11; v. 245; p. 361.
- Pump, Centrifugal. A. Wilstan. No. 1,237,007; Aug. 14; v. 241; p. 509.
- Pump-chain. W. E. Fahrner. No. 1,240,550; Sept. 18; v. 242; p. 644.
- Pump, Combination force and pitcher. W. J. Callihan. No. 1,238,258; Aug. 28; v. 241; p. 981.
- Pump, Combined water and pneumatic. J. B. Barrett. No. 1,250,417; Dec. 18; v. 245; p. 648.
- Pump connection or the like. M. C. Schweinert and H. P. Kraft. No. 1,213,958; Jan. 30; v. 234; p. 1366.
- Pump connection, Windmill-. A. Hart. No. 1,245,714; Nov. 6; v. 244; p. 173.
- Pump, Compound high-pressure lubricating-. E. H. McClelland. No. 1,228,335; May 29; v. 238; p. 1593.
- Pump, Compression-. L. M. Niebling. No. 1,234,684; July 24; v. 240; p. 1132.
- Pump-control system. H. D. James. No. 1,231,613; July 3; v. 240; p. 25.
- Pump-coupling. J. Wahl. No. 1,244,925; Oct. 30; v. 243; p. 1219.
- Pump-cylinder attachment. G. E. Okell. No. 1,225,676; May 8; v. 238; p. 590.
- Pump, Deep-well. W. G. Black and A. L. Segelhorst. No. 1,219,799; Mar. 20; v. 236; p. 731.
- Pump, Deep-well. L. W. Bodinson. No. 1,230,554; June 19; v. 239; p. 815.
- Pump, Deep-well. J. M. Eastham. No. 1,221,519; Apr. 3; v. 237; p. 182.
- Pump, Deep-well. W. B. Hewitt. No. 1,219,307; Mar. 13; v. 236; p. 529.
- Pump, Deep-well. J. B. Sperry. No. 1,230,612; June 19; v. 239; p. 835.
- Pump, Demountable. F. A. Ross. No. 1,239,625; Sept. 11; v. 242; p. 317.
- Pump, Diaphragm-. W. M. Eberly. No. 1,219,714; Mar. 20; v. 236; p. 702.
- Pump, Dispensing-. L. E. Baker. No. 1,247,203; Nov. 20; v. 244; p. 678.
- Pump, Dispensing-. A. J. Pocock. No. 1,244,077; Oct. 23; v. 243; p. 924.
- Pump, Double-acting. H. Hamilton. No. 1,240,712; Sept. 18; v. 242; p. 693.
- Pump, Double-acting. A. Steinhauer and T. D. Van Eitten. No. 1,213,917; Jan. 30; v. 234; p. 1353.
- Pump, Double-acting. H. C. Wristen and J. W. Henderson. No. 1,211,519; Jan. 9; v. 234; p. 425.
- Pump, Double-acting deep-well. R. E. L. Holmes. No. 1,247,113; Nov. 20; v. 244; p. 652.
- Pump, Double-acting force-. J. C. Gorman, Jr. No. 1,224,532; May 1; v. 238; p. 149.
- Pump, Double-acting. W. S. McFerren. No. 1,217,195; Feb. 27; v. 235; p. 1082.
- Pump-driving mechanism. E. B. Fetzer. No. 1,219,093; Mar. 13; v. 236; p. 457.
- Pump, Duplex centrifugal. R. K. Jack. No. 1,229,274; June 12; v. 239; p. 352.
- Pump, Duplex steam-. S. Didrichsen. No. 1,211,686; Jan. 9; v. 234; p. 481.
- Pump, Electrically-driven tire-inflating. B. S. Cartwright. No. 1,234,130; July 24; v. 240; p. 954.
- Pump, Fluid-. R. H. Sleicher. No. 1,227,845; May 29; v. 238; p. 1432.
- Pump, Fluid-. A. Wiltz. No. 1,251,155; Dec. 25; v. 245; p. 917.
- Pump, Fluid-pressure. H. W. Truscott. No. 1,226,417; May 15; v. 238; p. 886.
- Pump, Folding air-. B. Goodman. No. 1,241,959; Oct. 2; v. 243; p. 156.
- Pump for gasoline-tanks, Air-. G. E. Raymond. No. 1,222,030; Apr. 10; v. 237; p. 391.
- Pump for internal-combustion engines, Variable-delivery fuel-. J. A. Seymour. No. 1,222,148; Apr. 10; v. 237; p. 432.
- Pump for liquids. G. I. Leonard. No. 1,233,069; July 10; v. 240; p. 539.
- Pump for locomotive and other boilers, Hot-water feed-. C. Caille. No. 1,223,667; Apr. 24; v. 237; p. 1035.
- Pump for motor vehicles. C. A. Kearns and I. J. Hartigan. No. 1,226,530; May 15; v. 238; p. 921.
- Pump, Four-way vacuum. P. I. Burks. No. 1,219,242; Mar. 13; v. 236; p. 508.
- Pump-governor, Electric. B. S. Aikman. No. 1,227,230; May 22; v. 238; p. 1197.
- Pump-governor, Electric. P. I. Crittenden. No. 1,224,147; May 1; v. 238; p. 11.
- Pump-hanger, Adjustable. J. A. Woods. No. 1,235,749; Aug. 7; v. 241; p. 71.
- Pump-head. C. S. Kurtz. No. 1,223,283; Apr. 17; v. 237; p. 865.
- Pump head, Deep-well-. J. Astrom. No. 1,241,604; Oct. 2; v. 243; p. 45.
- Pump-heads, Mechanical movement for. P. K. Wood. No. 1,226,430; May 15; v. 238; p. 890.
- Pump indicator, Oil-. G. W. Morris. No. 1,221,078; Apr. 3; v. 237; p. 26.
- Pump, Internal-combustion. V. Griffith. No. 1,240,967; Sept. 25; v. 242; p. 806.
- Pump-jack. E. Hards. No. 1,239,909; Sept. 11; v. 242; p. 409.
- Pump-jack. L. G. Ritter. No. 1,250,018; Dec. 11; v. 245; p. 490.
- Pump, Liquid-fuel. G. D. Pogue. No. 1,250,651; Dec. 18; v. 245; p. 717.
- Pump, Means for mounting a fire-engine. C. P. Waterous. No. 1,217,671; Feb. 27; v. 235; p. 1251.
- Pump, Mechanical oil-. H. Ritter. No. 1,212,682; Jan. 16; v. 234; p. 865.
- Pump mechanism. S. M. Halstead. No. 1,228,770; June 5; v. 239; p. 136.
- Pump mechanism, Force-. E. Woerner. No. 1,225,911; May 15; v. 238; p. 712.
- Pump mechanism, Rotary. R. Schorr. No. 1,231,072; June 26; v. 239; p. 1028.

- Pump, Membrane-. V. F. Møller. No. 1,236,469; Aug. 14; v. 241; p. 333.
- Pump, Multiple piston or bucket. B. U. Potter. No. 1,249,665; Dec. 11; v. 245; p. 387.
- Pump of internal-combustion engines, Fuel-. F. Edholm. No. 1,222,270; Apr. 10; v. 237; p. 476.
- Pump, Oil-. R. J. Pfeeger. No. 1,238,939; Sept. 4; v. 242; p. 70.
- Pump, Oil-. F. R. Porter. No. 1,238,817; Sept. 4; v. 242; p. 31.
- Pump, Oil-. F. R. Porter. No. 1,238,818; Sept. 4; v. 242; p. 32.
- Pump, Oil-. F. R. Porter. No. 1,238,819; Sept. 4; v. 242; p. 32.
- Pump-operating apparatus. J. J. Schilder. No. 1,211,764; Jan. 9; v. 234; p. 508.
- Pump-operating mechanism. H. O. Butler and W. B. Jennings. No. 1,224,849; May 1; v. 238; p. 260.
- Pump-operating mechanism. L. W. Feagin. No. 1,250,825; Dec. 18; v. 245; p. 770.
- Pump-operating mechanism. R. T. Grocott. No. 1,232,533; July 10; v. 240; p. 364.
- Pump-operating mechanism, Air-. M. L. Herpolsheimer. No. 1,250,456; Dec. 18; v. 245; p. 659.
- Pump or blower, Rotary. J. Robertson. No. 1,211,879; Jan. 9; v. 234; p. 551.
- Pump or compressor for motor-vehicles and the like. A. H. Fefelle. No. 1,223,682; Apr. 24; v. 237; p. 1041.
- Pump or compressor, Turbine. F. Lawaczek. No. 1,213,889; Jan. 30; v. 234; p. 1343.
- Pump or motor, Rotary. H. S. Hele-Shaw and F. L. Martineau. No. 1,250,170; Dec. 18; v. 245; p. 574.
- Pump-packing expander. W. B. Wigle. No. 1,243,648; Oct. 16; v. 243; p. 758.
- Pump, Percolator-. J. B. Griffin. (Reissue.) No. 1,244,444; Jan. 9; v. 234; p. 650.
- Pump-pipes or pump-rods, Lift for. M. D. Bruce. No. 1,239,875; Sept. 11; v. 242; p. 399.
- Pump-piston. S. W. Luitwieler. No. 1,214,696; Feb. 6; v. 235; p. 76.
- Pump-plunger. H. M. Cloude. No. 1,248,263; Nov. 27; v. 244; p. 1014.
- Pump-plunger. P. J. Waller. No. 1,215,445; Feb. 13; v. 235; p. 369.
- Pump, Pneumatic. E. L. and J. S. Arnott. No. 1,236,651; Aug. 14; v. 241; p. 393.
- Pump, Pneumatic. E. E. Rardon. No. 1,230,028; June 12; v. 239; p. 602.
- Pump, Pneumatic. J. M. Swanstrom. No. 1,213,707; Jan. 23; v. 234; p. 1250.
- Pump, Reciprocating. H. F. Hoffman. No. 1,248,118; Nov. 27; v. 244; p. 972.
- Pump-regulating mechanism. R. Conrader. No. 1,226,752; May 22; v. 238; p. 1033.
- Pump regulator, Feed-. R. F. Halliwell. No. 1,250,863; Dec. 18; v. 245; p. 781.
- Pump-rod connector. G. T. Wohlford. No. 1,212,868; Jan. 16; v. 234; p. 926.
- Pump-rod coupling. C. Zehr. No. 1,221,645; Apr. 3; v. 237; p. 223.
- Pump-rod or pitman connection. F. H. Barney. No. 1,243,031; Oct. 16; v. 243; p. 573.
- Pump, Rodless, double-acting. J. J. Schilder. No. 1,244,784; Oct. 30; v. 243; p. 1176.
- Pump, Rotary. A. N. Baade. No. 1,237,273; Aug. 21; v. 241; p. 630.
- Pump, Rotary. T. A. Bateman. No. 1,234,262; July 24; v. 240; p. 997.
- Pump, Rotary. A. Borrás and F. Iriarte. No. 1,241,704; Oct. 2; v. 243; p. 75.
- Pump, Rotary. W. L. Deysher. No. 1,245,691; Nov. 6; v. 244; p. 167.
- Pump, Rotary. J. C. Gleed. No. 1,243,060; Oct. 16; v. 243; p. 582.
- Pump, Rotary. A. Hayes. No. 1,238,139; Aug. 28; v. 241; p. 941.
- Pump, Rotary. A. Plonski. No. 1,242,859; Oct. 9; v. 243; p. 453.
- Pump, Rotary. S. N. Pond. No. 1,243,215; Oct. 16; v. 243; p. 629.
- Pump, Rotary. R. Ragan. No. 1,224,567; May 1; v. 238; p. 162.
- Pump, Rotary. B. L. Rinehart. No. 1,223,734; Apr. 24; v. 237; p. 1053.
- Pump, Rotary. F. C. Rood. No. 1,240,489; Sept. 18; v. 242; p. 626.
- Pump, Rotary. H. Rubin. No. 1,250,021; Dec. 11; v. 245; p. 491.
- Pump, Rotary. J. S. Shockley. No. 1,240,264; Sept. 18; v. 242; p. 556.
- Pump, Rotary. O. Siemen. No. 1,215,881; Feb. 13; v. 235; p. 528.
- Pump, Rotary. A. Wahle. No. 1,228,267; May 29; v. 238; p. 1570.
- Pump, Rotary. W. J. Wilson. No. 1,223,919; Apr. 24; v. 237; p. 1123.
- Pump, Rotary deep-well. S. Lippert. No. 1,239,706; Sept. 11; v. 242; p. 344.
- Pump, Rotary piston-. G. E. Guy. No. 1,241,624; Oct. 2; v. 243; p. 51.
- Pump, Rotary piston-. G. E. Guy. No. 1,250,860; Dec. 18; v. 245; p. 781.
- Pump, Rotary well-. F. J. Kimball. No. 1,245,466; Nov. 6; v. 244; p. 97.
- Pump, Sanitary. A. J. McCall. No. 1,213,390; Jan. 23; v. 234; p. 1142.
- Pump, Screw-. R. B. Bennett. No. 1,211,390; Jan. 9; v. 234; p. 382.
- Pump-spout attachment. E. D. Beckman. No. 1,250,944; Dec. 25; v. 245; p. 856.
- Pump, Spraying-. F. S. Welch. No. 1,241,178; Sept. 25; v. 242; p. 872.
- Pump, Steam-. E. Roberts. No. 1,225,274; May 8; v. 238; p. 453.
- Pump-strainer. P. M. Bibb and T. Ludat. No. 1,231,477; June 26; v. 239; p. 1162.
- Pump, Syrup-. R. Mueller. No. 1,247,708; Nov. 27; v. 244; p. 856.
- Pump, Syrup-. F. C. Westfall. No. 1,238,232; Aug. 28; v. 241; p. 972.
- Pump, Tire-. J. W. Aker. No. 1,229,854; June 12; v. 239; p. 548.
- Pump, Tire-. H. B. Jones. No. 1,217,771; Feb. 27; v. 235; p. 1283.
- Pump, Tire-. G. H. Patten. No. 1,244,365; Oct. 23; v. 243; p. 1010.
- Pump, Tire-. A. Peteler. No. 1,236,479; Aug. 14; v. 241; p. 336.
- Pump, Tire-. W. U. Watson. No. 1,236,513; Aug. 14; v. 241; p. 348.
- Pump, Tire-inflating. J. Heeley. No. 1,216,688; Feb. 20; v. 235; p. 865.
- Pump to a windmill, Attachment for coupling a. E. V. Robbins. No. 1,223,833; Apr. 24; v. 237; p. 1094.
- Pump-tool. A. J. Woodford. No. 1,226,431; May 15; v. 238; p. 891.
- Pump, Triple-piston deep-well. L. T. Hammond. No. 1,230,155; June 19; v. 239; p. 682.
- Pump tubing, Drain device for well-. H. G. Riden and F. Seppi. No. 1,213,776; Jan. 23; v. 234; p. 1273.
- Pump-unloading device. P. L. Crittenden and L. D. Saunders. No. 1,224,146; May 1; v. 238; p. 10.
- Pump, Vacuum-. E. O'Mara. No. 1,245,612; Nov. 6; v. 244; p. 143.
- Pump, Vacuum-. G. F. Nelson. No. 1,218,300; Mar. 6; v. 236; p. 145.
- Pump, Vacuum siphon-. C. D. Armstrong. No. 1,232,883; July 10; v. 240; p. 480.
- Pump-valve. E. F. Dierks. No. 1,221,843; Apr. 10; v. 237; p. 325.
- Pump-valve. G. W. W. Perkins. No. 1,216,354; Feb. 20; v. 235; p. 748.
- Pump-valve. J. R. Pratt. No. 1,222,579; Apr. 10; v. 237; p. 586.
- Pump-valve. W. B. Wigle. No. 1,214,400; Jan. 30; v. 234; p. 1520.
- Pump-valve mechanism. J. Dick, T. H. Rutter, and C. E. Lewis. No. 1,231,506; June 26; v. 239; p. 1171.
- Pump, Valved air-. J. E. Keppel. No. 1,234,908; July 31; v. 240; p. 1236.
- Pump, Valveless rotary. E. L. Copsey. No. 1,223,036; Apr. 17; v. 237; p. 783.
- Pump, Variable-capacity. C. M. Manly. No. 1,212,791; Jan. 16; v. 234; p. 901.
- Pump, Variable-stroke. C. M. Manly. No. 1,227,164; May 22; v. 238; p. 1176.
- Pump, Variable-stroke. A. Sundh. No. 1,239,060; Sept. 4; v. 242; p. 109.
- Pump, Wave-gravity. B. F. Jackson. No. 1,250,315; Dec. 18; v. 245; p. 617.
- Pump with double discharge, High-pressure lubricating-. E. H. McClelland. No. 1,228,336; May 29; v. 238; p. 1593.
- Pump working barrels, Non-leak anchor means for supporting liner-. C. Drader and R. R. Candee. No. 1,243,821; Oct. 23; v. 243; p. 848.
- Pumps and the like, Stuffing-box structure for. M. N. Connor. No. 1,230,124; June 19; v. 239; p. 672.
- Pumps, Apparatus for controlling hydraulic. M. C. Steese. No. 1,248,743; Dec. 4; v. 245; p. 93.
- Pumps, Automatic control means for air-pressure. H. J. Russell. No. 1,229,792; June 12; v. 239; p. 526.
- Pumps, Automatic oil-cup for air-. J. M. Levine. No. 1,249,137; Dec. 4; v. 245; p. 204.
- Pumps, Belt-tightener for. M. E. Layne. No. 1,218,192; Mar. 6; v. 236; p. 105.
- Pumps, Cut-off means for spiral. T. O'Connor. No. 1,231,640; July 3; v. 240; p. 34.
- Pumps, Discharge-column for rotary. R. Schorr. No. 1,250,519; Dec. 18; v. 245; p. 679.
- Pumps, Discharge device for. A. D. Heath. No. 1,247,533; Nov. 20; v. 244; p. 772.
- Pumps, Drive-gear for deep-well. A. A. Grossarth. No. 1,226,967; May 22; v. 238; p. 1108.
- Pumps in barrels, Means for securing. H. N. Rothweiler. No. 1,246,661; Nov. 13; v. 244; p. 485.
- Pumps, Latch for double-acting. H. C. Wristen and J. W. Henderson. No. 1,218,152; Mar. 6; v. 236; p. 92.
- Pumps, Means for preventing clogging of the working barrels of. R. E. Carmichael. No. 1,246,543; Nov. 13; v. 244; p. 449.
- Pumps, Operating. H. A. Humphrey and W. J. Rusdell. No. 1,224,931; May 8; v. 238; p. 339.
- Pumps, Power attachment for. P. A. Myers. No. 1,213,935; Jan. 30; v. 234; p. 1358.
- Pumps, Reversing device for. C. D. Byers. No. 1,219,373; Mar. 13; v. 236; p. 554.

- Pumps, Safety device for oil-. K. D. Fuller. No. 1,242,539; Oct. 9; v. 243; p. 380.
- Pumps, Sand-valve for deep-well. S. W. Clark. No. 1,212,454; Jan. 16; v. 234; p. 780.
- Pumps, Strainer for. W. H. Foster. No. 1,218,848; Mar. 13; v. 236; p. 375.
- Pumps, Sucker-rod for deep-well. C. O. Salberg. No. 1,246,329; Nov. 13; v. 244; p. 385.
- Pumps, Stalling-box for oil-well. C. A. Swanson. No. 1,245,686; Nov. 6; v. 244; p. 43.
- Pumps, System of multiple. P. J. Grouvelle, E. H. Arquebourg, and L. J. Joret. No. 1,214,300; Jan. 30; v. 234; p. 1486.
- Pumps, Water-box for. A. J. Pocock. No. 1,226,693; May 22; v. 238; p. 1012.
- Pumps, Working head for deep-well. J. T. S. Brown, Jr. No. 1,218,626; Mar. 13; v. 236; p. 292.
- Pumping and heating apparatus, Water. C. D. Saxton. No. 1,249,512; Dec. 11; v. 245; p. 344.
- Pumping apparatus. M. T. Chapman. No. 1,211,408; Jan. 9; v. 234; p. 387.
- Pumping apparatus. H. W. Kimes. No. 1,232,932; July 10; v. 240; p. 496.
- Pumping apparatus. L. H. Wattles. No. 1,216,754; Feb. 20; v. 235; p. 888.
- Pumping apparatus, Centrifugal. A. P. Brocklebank. No. 1,231,484; June 26; v. 239; p. 1164.
- Pumping apparatus, Centrifugal. G. Pagel. No. 1,246,149; Nov. 13; v. 244; p. 331.
- Pumping apparatus, Centrifugal. S. White. No. 1,237,229; Aug. 14; v. 241; p. 578.
- Pumping conduits, Valve-seat for mine-. D. F. Lepley. No. 1,216,144; Feb. 13; v. 235; p. 624.
- Pumping-cylinder, Deep-well. F. J. Hamlin. No. 1,213,358; Jan. 23; v. 234; p. 1132.
- Pumping device. R. J. Cartmell. No. 1,216,415; Feb. 20; v. 235; p. 771.
- Pumping device. B. B. Rhyne. No. 1,243,222; Oct. 16; v. 243; p. 630.
- Pumping device. J. K. Stewart. No. 1,247,892; Nov. 27; v. 244; p. 910.
- Pumping device for automobiles. H. M. Cloude. No. 1,237,869; Aug. 21; v. 241; p. 821.
- Pumping-engine. J. H. Allison. No. 1,229,009; June 5; v. 239; p. 214.
- Pumping-engine. L. E. Strothman. No. 1,222,816; Apr. 17; v. 237; p. 709.
- Pumping fluid, Apparatus for. O. B. Campbell, Jr. No. 1,222,601; Apr. 17; v. 237; p. 634.
- Pumping-jack. W. M. Best and W. P. Cunningham. No. 1,211,529; Jan. 9; v. 234; p. 428.
- Pumping-jack. W. H. McCuin. No. 1,211,327; Jan. 2; v. 234; p. 326.
- Pumping mechanism. M. E. Layne. No. 1,211,457; Jan. 9; v. 234; p. 404.
- Pumping, Pressure control in. G. H. Eckert. No. 1,228,419; June 5; v. 239; p. 15.
- Pumping system. L. H. Shaw. No. 1,250,368; Dec. 18; v. 245; p. 633.
- Pumping system. H. B. Taylor. No. 1,231,310; June 26; v. 239; p. 1106.
- Pumping system, Automatic. E. E. Eby. No. 1,248,467; Dec. 4; v. 245; p. 11.
- Punch. W. C. Baker. No. 1,227,869; May 29; v. 238; p. 1440.
- Punch. E. Maker. No. 1,222,961; Apr. 17; v. 237; p. 758.
- Punch and blasting-fuse holder, Combined powder-. D. J. Watts. No. 1,219,609; Mar. 20; v. 236; p. 665.
- Punch, Automatic center-. C. L. Throckmorton. No. 1,225,191; May 8; v. 238; p. 426.
- Punch, Center-. O. H. Fisk. No. 1,233,458; July 17; v. 240; p. 702.
- Punch, Combination ticket-. W. C. Downing. No. 1,233,456; July 17; v. 240; p. 701.
- Punch-holder. W. A. Cornbrooks. No. 1,247,228; Nov. 20; v. 244; p. 686.
- Punch-presses, Safety device for power. M. Nuberg and J. Van den Boogaard. No. 1,215,972; Feb. 13; v. 235; p. 560.
- Punch-presses, Stop mechanism for. A. L. Day. No. 1,223,770; Apr. 24; v. 237; p. 1071.
- Punch, Self-centering. G. J. Miller. No. 1,225,265; May 8; v. 238; p. 450.
- Punch, Ticket-. J. Klaes. No. 1,217,870; Feb. 27; v. 235; p. 1316.
- Punches, Automatic feed mechanism for. J. R. Schadow. No. 1,250,028; Dec. 11; v. 245; p. 493.
- Punching and riveting machines, Gage operating and controlling mechanism for. L. H. Bertsch. No. 1,226,174; May 15; v. 238; p. 802.
- Punching and setting machine. H. C. Hinchcliffe. No. 1,240,207; Sept. 18; v. 242; p. 538.
- Punching-bag machine. C. M. Weeks. No. 1,233,005; July 10; v. 240; p. 518.
- Punching-bag platform. J. R. Morando. No. 1,224,658; May 1; v. 238; p. 193.
- Punching-bag platform. H. H. Wilson. No. 1,242,626; Oct. 9; v. 243; p. 409.
- Punching-machine. H. Lefebvre. No. 1,219,963; Mar. 20; v. 236; p. 789.
- Punching-machine. J. Sandstrom. No. 1,245,388; Nov. 6; v. 241; p. 73.
- Punching-machine. P. C. Schroeder. No. 1,213,275; Jan. 23; v. 234; p. 1101.
- Punching-machine attachment. A. Eggertsglues. No. 1,233,266; July 10; v. 240; p. 601.
- Punching machine, Hollow-drill steel-. T. Davies. No. 1,232,235; July 3; v. 240; p. 234.
- Punching-machine, Multiple. E. M. Cobb. No. 1,243,656; Oct. 16; v. 243; p. 759.
- Punching-machines, Mechanism for feeding sheet metal to. H. Lysholm. No. 1,221,881; Apr. 10; v. 237; p. 339.
- Puncture-mending device. H. T. Stephens. (Reissue.) No. 14,405; Dec. 4; v. 245; p. 257.
- Puncture-proof tube and producing same. W. S. Oberfelder. No. 1,244,236; Oct. 23; v. 243; p. 972.
- Purifying and separating finely-divided substances. B. Schwerin. No. 1,229,203; June 5; v. 239; p. 279.
- Purse. J. Specht. No. 1,247,164; Nov. 20; v. 244; p. 668.
- Purse attachment, Ladies'. E. Haines. No. 1,217,171; Feb. 27; v. 235; p. 1074.
- Purse-holder, Safety. B. D. Willis. No. 1,225,692; May 8; v. 238; p. 596.
- Push-button. W. J. Cook. No. 1,245,570; Nov. 6; v. 244; p. 130.
- Push-button. H. C. Dolan. No. 1,216,553; Feb. 20; v. 235; p. 819.
- Push-button. J. Gramm. No. 1,249,068; Dec. 4; v. 245; p. 185.
- Push-button attachment, Luminous. C. H. Leube. No. 1,234,550; July 24; v. 240; p. 1091.
- Push-button, Circuit-closing. R. J. Jackson. No. 1,227,270; May 22; v. 238; p. 1210.
- Push-button, Electric. M. C. Frank. No. 1,235,788; Aug. 7; v. 241; p. 84.
- Push-button operator. I. Neckerman. No. 1,219,344; Mar. 13; v. 236; p. 543.
- Push-button switch. F. P. Gates. No. 1,234,749; July 31; v. 240; p. 1187.
- Push-button switch. C. D. Platt. No. 1,227,195; May 22; v. 238; p. 1185.
- Push-button switch. A. K. Sutherland. No. 1,234,412; July 24; v. 240; p. 1048.
- Push-rod. G. A. Sufka. No. 1,210,871; Jan. 2; v. 234; p. 169.
- Push-rod, Silent self-adjusting. R. C. Russell. No. 1,248,405; Nov. 27; v. 244; p. 1053.
- Push-switch. H. G. Hillman. No. 1,218,401; Mar. 6; v. 236; p. 178.
- Puttee. H. Rottenburg. No. 1,216,366; Feb. 20; v. 235; p. 752.
- Puttee-shaping apparatus. K. F. Sentivany. No. 1,230,332; June 19; v. 239; p. 741.
- Puzzle. O. W. Brown. No. 1,225,760; May 15; v. 238; p. 662.
- Puzzle. T. Brown. No. 1,229,580. June 12; v. 239; p. 457.
- Puzzle. L. P. D'Autremont. No. 1,221,149; Apr. 3; v. 237; p. 51.
- Puzzle. H. G. Frazier. No. 1,235,966; Aug. 7; v. 241; p. 143.
- Puzzle. D. B. Littlefield. No. 1,234,679; July 24; v. 240; p. 1131.
- Puzzle. H. McNally. No. 1,230,309; June 19; v. 239; p. 734.
- Puzzle. A. W. Mees. No. 1,251,400; Dec. 25; v. 245; p. 989.
- Puzzle. J. H. Meredith. No. 1,245,942; Nov. 6; v. 244; p. 241.
- Puzzle. F. L. Ordway. No. 1,236,378; Aug. 7; v. 241; p. 269.
- Puzzle. A. N. Prentiss. No. 1,238,699; Aug. 28; v. 241; p. 1120.
- Puzzle. J. S. Scott. No. 1,236,769; Aug. 14; v. 241; p. 434.
- Puzzle. E. F. Slear. No. 1,231,956; July 3; v. 240; p. 140.
- Puzzle. J. E. Smith. No. 1,215,069; Feb. 6; v. 235; p. 206.
- Puzzle. C. H. Swartwood. No. 1,218,014; Mar. 6; v. 236; p. 44.
- Puzzle or toy. R. G. Ross. No. 1,234,220; July 24; v. 240; p. 984.
- Puzzle, Picture-. C. F. Pritchard. No. 1,217,632; Feb. 27; v. 235; p. 1237.
- Puzzle, War-. G. F. Howard. No. 1,243,411; Oct. 16; v. 243; p. 685.
- Pyrometer. E. F. Northrup. No. 1,234,203; July 24; v. 240; p. 978.
- Pyrometer, Radiation-. C. B. Thwing. No. 1,232,408; July 3; v. 240; p. 289.
- Pyroxilin composition. W. E. Masland. No. 1,234,921; July 31; v. 240; p. 1240.
- Pyroxilin compounds, Making. W. G. Lindsay. No. 1,233,374; July 17; v. 240; p. 673.
- Quad-block or matrix. J. L. Rousseau. No. 1,231,943; July 3; v. 240; p. 136.
- Quartz-mill. H. H. Tobener. No. 1,216,185; Feb. 13; v. 235; p. 637.
- Quick-break switch. R. K. Mason. No. 1,233,097; July 10; v. 240; p. 547.
- Quick-change machine. M. A. Barr. No. 1,238,083; Aug. 28; v. 241; p. 922.

Alphabetical list of inventions—Continued.

- Quill boning. C. G. Stebbins and A. Gelow. No. 1,231,089; June 26; v. 239; p. 1035.
- Quill-cleaning machine. G. W. Utsman. No. 1,235,399; July 31; v. 240; p. 1385.
- Quilt and mattress. J. R. Millar. No. 1,221,890; Apr. 10; v. 237; p. 343.
- Quilting apparatus. L. S. Thomas. No. 1,237,974; Aug. 21; v. 241; p. 855.
- Quilting device. R. T. Nolan. No. 1,244,361; Oct. 23; v. 243; p. 1009.
- Quilting-frame. V. D. Lemons. No. 1,212,516; Jan. 16; v. 234; p. 803.
- Quilting-frame clamp. F. M. Warren. No. 1,247,187; Nov. 20; v. 244; p. 673.
- Quilting-frame, Foldable. J. A. Bush. No. 1,239,877; Sept. 11; v. 242; p. 399.
- Quilting-machine. G. A. Boettcher. No. 1,218,517; Mar. 6; v. 236; p. 216.
- Quilting-machine. A. Hildt. No. 1,221,857; Apr. 10; v. 237; p. 330.
- Quoins. Automatic lock for. J. E. Gallagher. No. 1,228,426; June 5; v. 239; p. 18.
- Rabble-tooth. H. H. Stout. No. 1,234,408; July 24; v. 240; p. 1046.
- Rack: See—
- | | |
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| Adjustable rack. | Linotype-magazine rack. |
| Article-holding rack. | Mail-rack. |
| Automobile luggage-rack. | Mail-pouch rack. |
| Ax-rack. | Map-rack. |
| Banana-rack. | Music-rack. |
| Barrel-rack. | Necktie-rack. |
| Bicycle-rack. | Plate-rack. |
| Billiard-rack. | Pool-ball rack. |
| Book-rack. | Portable rack. |
| Broom-rack. | Poultry-rack. |
| Clothes-rack. | Robe-rack. |
| Clothes-drying rack. | Routing-rack. |
| Combination-rack. | Seat-rack. |
| Cooking-utensil rack. | Shoe-rack. |
| Corn-rack. | Stamp-rack. |
| Dish-rack. | Stretching and drying rack. |
| Display-rack. | Suit-rack. |
| Drawer-rack. | Table-rack. |
| Filtering and straining rack. | Tie-rack. |
| Fodder-rack. | Tire-rack. |
| Garment-rack. | Tool-rack. |
| Hall-rack. | Towel-rack. |
| Harness-rack. | Type-rack. |
| Hat-rack. | Umbrella-rack. |
| Hay-rack. | Wagon-rack. |
| Hose and bucket rack. | Waiter's service-rack. |
| Hotel-room rack. | Wash-sorting rack. |
| | Wire-cloth rack. |
- Rack. G. Adams. No. 1,237,010; Aug. 14; v. 241; p. 510.
- Rack. R. P. Boone. No. 1,237,997; Aug. 21; v. 241; p. 862.
- Rack. F. L. Cowan. No. 1,230,678; June 19; v. 239; p. 856.
- Rack. W. Mayfield. No. 1,235,358; July 31; v. 240; p. 1373.
- Rack. E. S. Merrill. No. 1,243,856; Oct. 23; v. 243; p. 858.
- Rack. C. W. Safford. No. 1,246,940; Nov. 20; v. 244; p. 603.
- Rack. F. Soley and E. Stackhouse. No. 1,219,785; Mar. 20; v. 236; p. 726.
- Rack for wearing-apparel, umbrellas, and the like. A. R. Hinckley. No. 1,243,173; Oct. 16; v. 243; p. 615.
- Racket-press. C. M. Ness and C. T. Thompson. No. 1,226,986; May 22; v. 238; p. 1115.
- Radiator. K. M. Boblett. No. 1,214,642; Feb. 6; v. 235; p. 56.
- Radiator. H. A. Cureton. No. 1,240,543; Sept. 18; v. 242; p. 643.
- Radiator. L. Courtot. No. 1,239,428; Sept. 4; v. 242; p. 225.
- Radiator. G. De Fèvre and J. E. Woodbridge. No. 1,214,654; Feb. 6; v. 235; p. 61.
- Radiator. Y. De La Poëze. No. 1,221,422; Apr. 3; v. 237; p. 147.
- Radiator. J. B. Gabrielson. No. 1,215,793; Feb. 13; v. 235; p. 495.
- Radiator. J. B. Gabrielson. No. 1,217,934; Mar. 6; v. 236; p. 17.
- Radiator. J. A. Hinger. No. 1,233,472; July 17; v. 240; p. 706.
- Radiator. J. A. Hinger. No. 1,234,166; July 24; v. 240; p. 966.
- Radiator. F. W. Keegan. No. 1,239,491; Sept. 11; v. 242; p. 274.
- Radiator. H. J. Lambert. No. 1,226,224; May 15; v. 238; p. 819.
- Radiator. W. H. Legate. No. 1,232,339; July 3; v. 240; p. 268.
- Radiator. F. and J. Lindmeier. No. 1,249,432; Dec. 11; v. 245; p. 320.
- Radiator. D. M. Livingston. No. 1,239,495; Sept. 11; v. 242; p. 275.
- Radiator. E. E. Mansell and W. H. Warner. No. 1,242,961; Oct. 16; v. 243; p. 549.
- Radiator. J. W. McFarland. No. 1,233,081; July 10; v. 240; p. 542.
- Radiator. J. J. Penhallegon. No. 1,247,572; Nov. 20; v. 244; p. 782.
- Radiator. T. H. B. Roberson. No. 1,235,057; July 31; v. 240; p. 1283.
- Radiator. C. E. Safford. No. 1,242,984; Oct. 16; v. 243; p. 557.
- Radiator. F. J. Singer. No. 1,224,677; May 1; v. 238; p. 200.
- Radiator. C. F. Sperry. No. 1,216,509; Feb. 20; v. 235; p. 804.
- Radiator. G. W. Turney. No. 1,225,895; May 15; v. 238; p. 707.
- Radiator. F. B. Wentworth and L. F. Clausing. No. 1,247,917; Nov. 27; v. 244; p. 917.
- Radiator, air-draft control, Motor. W. E. Stephenson. No. 1,220,794; Mar. 27; v. 236; p. 1115.
- Radiator and making the same. G. M. Willis. No. 1,243,471; Oct. 16; v. 243; p. 703.
- Radiator attachment. R. E. Ingal. No. 1,241,389; Sept. 25; v. 242; p. 939.
- Radiator attachment. D. M. Livingston. No. 1,226,344; May 15; v. 238; p. 863.
- Radiator, Automatic. W. M. Fulton. No. 1,251,214; Dec. 25; v. 245; p. 933.
- Radiator, Automobile. F. M. Capell. No. 1,242,652; Oct. 9; v. 243; p. 417.
- Radiator, Automobile. J. O. Cormier. No. 1,243,816; Oct. 23; v. 243; p. 846.
- Radiator, Automobile. H. C. Harrison. No. 1,220,745; Mar. 27; v. 236; p. 1100.
- Radiator, Automobile. I. Silver. No. 1,229,156; June 5; v. 239; p. 262.
- Radiator, Automobile. S. Williams. No. 1,233,429; July 17; v. 240; p. 692.
- Radiator, Automobile. T. F. Payne. No. 1,228,474; June 5; v. 239; p. 34.
- Radiator-cap. N. Du Bois. No. 1,223,156; Apr. 17; v. 237; p. 825.
- Radiator-cap. E. Timmerhoff. No. 1,239,542; Sept. 11; v. 242; p. 291.
- Radiator cap and funnel, Automobile. C. R. Carroll. No. 1,243,138; Oct. 16; v. 243; p. 605.
- Radiator-caps. Animated attachment for. W. P. Rowan. No. 1,229,068; June 5; v. 239; p. 232.
- Radiator-casing. W. M. Fulton. (Reissue.) No. 1,430,9; June 5; v. 239; p. 279.
- Radiator-casing, Adjustable. D. B. Bolinger. No. 1,242,646; Oct. 9; v. 243; p. 416.
- Radiator, Cellular. E. S. Erickson. No. 1,233,765; July 18; v. 245; p. 579.
- Radiator, Cooling. F. Jutrasc. No. 1,250,187; Dec. 17; v. 240; p. 800.
- Radiator-cores, Making. H. C. Harrison. No. 1,220,744; Mar. 27; v. 236; p. 1100.
- Radiator-cores, Suspension for. C. C. Roberts and J. E. Barchel. No. 1,238,943; Sept. 4; v. 242; p. 71.
- Radiator-coupling. F. J. Singer. No. 1,230,812; June 19; v. 239; p. 900.
- Radiator-cover. C. M. Poetsch. No. 1,224,501; May 1; v. 238; p. 138.
- Radiator-covering. C. E. Harrison. No. 1,224,539; May 1; v. 238; p. 152.
- Radiator dust-collector. E. E. Wright. No. 1,246,212; Nov. 13; v. 244; p. 349.
- Radiator, Electrically-heated. J. D. McDonald. No. 1,211,606; Jan. 9; v. 234; p. 454.
- Radiator, Electrically-heated water-containing. O. A. Palmer. No. 1,241,244; Sept. 25; v. 242; p. 893.
- Radiator end section. H. Mullen. No. 1,237,941; Aug. 21; v. 241; p. 843.
- Radiator foot-rest. J. O. Bozman. No. 1,218,518; Mar. 6; v. 236; p. 217.
- Radiator foot-rest. R. Jensen. No. 1,215,280; Feb. 6; v. 235; p. 278.
- Radiator foot-rest, Adjustable. E. Webb. No. 1,211,260; Jan. 2; v. 234; p. 305.
- Radiator, Gas. C. C. Jessen. No. 1,225,034; May 8; v. 238; p. 374.
- Radiator, Gas. M. J. Purcell. No. 1,236,353; Aug. 7; v. 241; p. 262.
- Radiator, Gas heat. A. J. Hartfield. No. 1,229,451; June 12; v. 239; p. 412.
- Radiator, Gas-heated. J. F. Magee and C. B. Hindon. No. 1,243,324; Oct. 16; v. 243; p. 661.
- Radiator, Gas-heated. F. J. Pioch. No. 1,224,784; May 1; v. 238; p. 237.
- Radiator, Gas-heated steam. W. M. Keighler. No. 1,237,343; Aug. 21; v. 241; p. 654.
- Radiator having means therein to release the radiator of the air, Hot-water. J. Elger. No. 1,214,443; Jan. 30; v. 234; p. 1532.
- Radiator, Heat. H. H. Cook. No. 1,214,759; Feb. 6; v. 235; p. 97.
- Radiator, Heat. C. Sonneborn. No. 1,226,128; May 15; v. 238; p. 787.
- Radiator, Heat. C. Sonneborn. No. 1,226,129; May 15; v. 238; p. 787.
- Radiator-heater. A. R. Clarke. No. 1,227,529; May 22; v. 238; p. 1294.
- Radiator-heater. W. K. Mason and C. L. Donoho. No. 1,235,828; Aug. 7; v. 241; p. 98.
- Radiator-heater. E. B. Walsh. No. 1,231,131; July 3; v. 240; p. 202.

- Radiator-heater and signal-light. Auto. W. R. Hampden. No. 1,242,797; Oct. 9; v. 243; p. 463.
- Radiator. Sheet-metal. T. E. Murray. No. 1,245,011; Oct. 30; v. 243; p. 1245.
- Radiator-shield. C. Granston. No. 1,218,547; Mar. 6; v. 236; p. 227.
- Radiator-shield. Automobile. W. G. Vetter. No. 1,244,802; Oct. 30; v. 243; p. 1181.
- Radiator-shield. Automobile. A. Wagstaff, Jr. No. 1,239,144; Sept. 4; v. 242; p. 137.
- Radiator shields. Reinforcing-roll for steam-. C. C. Shipp. No. 1,218,707; Mar. 13; v. 236; p. 321.
- Radiator-shutter. S. I. Fekete. No. 1,249,731; Dec. 11; v. 245; p. 407.
- Radiator-strips. Apparatus for making. H. C. Harrison. No. 1,212,482; Jan. 16; v. 234; p. 790.
- Radiator-support. C. R. Fowler. No. 1,224,916; May 8; v. 238; p. 334.
- Radiator-support. A. Kahm. No. 1,244,613; Oct. 30; v. 243; p. 1123.
- Radiator-supporting frame. F. A. Neveu. No. 1,213,401; Jan. 23; v. 234; p. 1146.
- Radiator-tubes. Making. G. W. Turney. No. 1,217,537; Feb. 27; v. 235; p. 1203.
- Radiator unit. U. Magni. No. 1,214,203; Jan. 30; v. 234; p. 1449.
- Radiator units. Folding-machine for producing. S. Gargulo. No. 1,237,195; Aug. 14; v. 241; p. 566.
- Radiator wall-bracket. R. D. Reed. No. 1,245,143; Oct. 30; v. 243; p. 1284.
- Radiator, Zigzag. W. Reiferscheid. No. 1,238,192; Aug. 28; v. 241; p. 959.
- Radiators. Adjustable support for wall-. A. S. Mappett. No. 1,236,855; Aug. 14; v. 241; p. 460.
- Radiators. Combined shelf and shield for. C. V. Hill and H. H. K. Schwerdtmann. No. 1,240,573; Sept. 18; v. 242; p. 650.
- Radiators. Condenser for automobile-. F. A. Howard. No. 1,234,030; July 17; v. 240; p. 886.
- Radiators. Foot-rest attachment for. R. S. Chapman. No. 1,237,749; Aug. 21; v. 241; p. 785.
- Radiators. Foot-rest for. O. F. W. Cromwell. No. 1,249,340; Dec. 11; v. 245; p. 295.
- Radiators. Foot-warmer attachment for. E. J. Funk. No. 1,228,105; May 29; v. 238; p. 1520.
- Radiators for automobiles. Producing. F. Siegel. No. 1,242,253; Oct. 9; v. 243; p. 289.
- Radiators. Hanger for wall-. S. Cockerham. No. 1,230,119; June 19; v. 239; p. 671.
- Radio-active substances. Apparatus for examining. C. Schmidt. No. 1,242,377; Oct. 9; v. 243; p. 328.
- Radio receiving apparatus. J. A. Proctor. No. 1,211,963; Jan. 9; v. 234; p. 582.
- Radio telegraphy and telephony receiver. G. W. Pickard. No. 1,224,499; May 1; v. 238; p. 137.
- Radiosignaling. Method of and apparatus for. H. Shoemaker. No. 1,241,565; Oct. 2; v. 243; p. 32.
- Radio telegraph and telephone system. F. G. Simpson. No. 1,217,517; Feb. 27; v. 235; p. 1196.
- Radiotelegraphy. E. Girardeau and J. Bethenod. No. 1,245,702; Nov. 6; v. 244; p. 170.
- Radio-telegraphy and telephony receiver. G. W. Pickard. No. 1,245,266; Nov. 6; v. 244; p. 37.
- Radio-telegraphy and telephony receiver. G. W. Pickard. No. 1,245,267; Nov. 6; v. 244; p. 37.
- Radiotransmission. H. D. Arnold and H. W. Nichols. No. 1,231,984; July 3; v. 240; p. 149.
- Radium-applicator. J. B. E. Bell. No. 1,238,872; Sept. 4; v. 242; p. 49.
- Radius-rod. F. E. Harpst. No. 1,230,157; June 19; v. 239; p. 683.
- Radius-rod. Auxiliary. W. E. Hougas and L. J. Midgorden. No. 1,230,713; June 19; v. 239; p. 867.
- Radius-rod support. A. R. Brocksmith. No. 1,230,106; June 19; v. 239; p. 666.
- Rafter-cut indicator. H. M. Stanley. No. 1,237,721; Aug. 21; v. 241; p. 776.
- Rafter-miter. A. L. Rutquist. No. 1,236,486; Aug. 14; v. 241; p. 339.
- Rafting apparatus. Lumber-. H. Saxevik. No. 1,246,167; Nov. 13; v. 244; p. 335.
- Rail. A. S. Cash and R. H. Briscoe. No. 1,213,745; Jan. 23; v. 234; p. 1262.
- Rail-aligning device. M. Uno. No. 1,243,363; Oct. 16; v. 243; p. 672.
- Rail-anchor. R. E. Belknap. No. 1,243,688; Oct. 23; v. 243; p. 802.
- Rail-anchor. R. E. Belknap. No. 1,250,947; Dec. 25; v. 245; p. 856.
- Rail-anchor. C. F. Clawson. No. 1,240,674; Sept. 18; v. 242; p. 683.
- Rail-anchor. T. D. Dallmeyer. No. 1,215,780; Feb. 13; v. 235; p. 491.
- Rail-anchor. H. G. Elfborg. No. 1,230,468; June 19; v. 239; p. 786.
- Rail-anchor. L. C. Ferguson. No. 1,234,647; July 24; v. 240; p. 1121.
- Rail-anchor. H. G. Gillmor. No. 1,224,113; Apr. 24; v. 237; p. 1188.
- Rail-anchor. H. G. Gillmor. No. 1,248,844; Dec. 4; v. 245; p. 124.
- Rail-anchor. H. G. Gillmor. No. 1,251,012; Dec. 25; v. 245; p. 875.
- Rail-anchor. V. A. Miller. No. 1,213,108; Jan. 16; v. 234; p. 1016.
- Rail-anchor. W. M. Mitchell. No. 1,235,495; July 31; v. 240; p. 1412.
- Rail-anchor. W. M. Mitchell. No. 1,244,356; Oct. 23; v. 243; p. 1007.
- Rail-anchor. F. A. Preston. No. 1,219,771; Mar. 20; v. 236; p. 721.
- Rail-anchor. C. J. Redifer. No. 1,242,981; Oct. 16; v. 243; p. 556.
- Rail-anchor. H. H. Sponenburg. No. 1,228,614; June 5; v. 239; p. 82.
- Rail-anchor. A. H. Told. No. 1,241,684; Oct. 2; v. 243; p. 69.
- Rail-anchor. H. G. Warr. No. 1,217,541; Feb. 27; v. 235; p. 1205.
- Rail-anchor tie-plate. A. L. Stanford. No. 1,226,136; May 15; v. 238; p. 789.
- Rail-anchoring device. D. E. Crowley. No. 1,213,338; Jan. 23; v. 234; p. 1124.
- Rail-anchoring device. S. J. Dawson. No. 1,229,238; June 12; v. 239; p. 340.
- Rail-anchoring means. M. E. Smith. No. 1,238,351; Aug. 28; v. 241; p. 1011.
- Rail and tie-plate. Combined anticreeping. B. B. Betts. No. 1,240,406; Sept. 18; v. 242; p. 600.
- Rail and tie-plate. Combined anticreeping. B. B. Betts. No. 1,240,407; Sept. 18; v. 242; p. 600.
- Rail and tie therefor. J. S. Bean. No. 1,236,041; Aug. 7; v. 241; p. 168.
- Rail-anticreeping device. C. H. Jorgenson. No. 1,210,943; Jan. 2; v. 234; p. 195.
- Rail appliance. J. J. Griffin. No. 1,249,744; Dec. 11; v. 245; p. 411.
- Rail-bender. E. F. Bennett. No. 1,251,172; Dec. 25; v. 245; p. 922.
- Rail-bond. G. H. Burge. No. 1,213,738; Jan. 23; v. 234; p. 1260.
- Rail-bond. F. O. Hartman. No. 1,215,933; Feb. 13; v. 235; p. 547.
- Rail-bond. T. M. Utley. No. 1,238,462; Aug. 28; v. 241; p. 1047.
- Rail bond or tie. A. Johnson. No. 1,211,162; Jan. 2; v. 234; p. 269.
- Rail-bonds. Making. L. P. Crecelius. No. 1,225,316; May 8; v. 238; p. 469.
- Rail-bonding apparatus. L. P. Crecelius. No. 1,242,525; Oct. 9; v. 243; p. 375.
- Rail-bonding apparatus. L. P. Crecelius. No. 1,242,526; Oct. 9; v. 243; p. 375.
- Rail-bonding apparatus. L. P. Crecelius and P. H. Eberlein. No. 1,242,524; Oct. 9; v. 243; p. 375.
- Rail-brace. D. W. Chilcote. No. 1,247,506; Nov. 20; v. 244; p. 765.
- Rail-brace. C. F. Lindstrom. No. 1,218,425; Mar. 6; v. 236; p. 186.
- Rail-brace. J. G. Mueller. No. 1,226,571; May 15; v. 238; p. 934.
- Rail-brace. C. E. Stauss. No. 1,236,495; Aug. 14; v. 241; p. 343.
- Rail-brace. C. E. Stauss. No. 1,244,657; Oct. 30; v. 243; p. 1137.
- Rail-brace. T. G. Stiles. No. 1,230,533; June 19; v. 239; p. 808.
- Rail-brace. T. G. Stiles. No. 1,230,534; June 19; v. 239; p. 808.
- Rail-brace. G. P. Tennant. No. 1,223,300; Apr. 17; v. 237; p. 871.
- Rail-brace. C. H. Williams. No. 1,240,276; Sept. 18; v. 242; p. 560.
- Rail brace and tie. Combined. W. J. Smith. No. 1,212,827; Jan. 16; v. 234; p. 912.
- Rail brace, Guard-. E. R. Williams. No. 1,219,612; Mar. 20; v. 236; p. 666.
- Rail brace or clamp. J. L. McNeil, D. B. and A. McDonald. No. 1,216,339; Feb. 20; v. 235; p. 742.
- Rail-bracket. D. Grisinger. No. 1,220,222; Mar. 27; v. 236; p. 917.
- Rail chair and joint. E. F. Lowe. No. 1,215,946; Feb. 13; v. 235; p. 552.
- Rail chair, fastener, and tie. Combined. W. H. Yerkes. No. 1,213,326; Jan. 23; v. 234; p. 1120.
- Rail chair. Multiple-. B. B. Betts. No. 1,240,408; Sept. 18; v. 242; p. 601.
- Rail-check. D. L. Braine. No. 1,238,386; Aug. 28; v. 241; p. 1022.
- Rail-clamp. A. Dumont. No. 1,235,775; Aug. 7; v. 241; p. 80.
- Rail-clamp. P. E. Dutcher. No. 1,222,193; Apr. 10; v. 237; p. 448.
- Rail-clamp. R. P. Greenleaf. No. 1,222,621; Apr. 17; v. 237; p. 641.
- Rail-clamp. J. T. McConnell. No. 1,223,992; Apr. 24; v. 237; p. 1147.
- Rail clamp and holder. P. Mayda. No. 1,238,171; Aug. 28; v. 241; p. 952.
- Rail clamp, Guard-. J. A. Bodkin. No. 1,220,392; Mar. 27; v. 236; p. 979.
- Rail-clip. H. L. Boyle. No. 1,227,526; May 22; v. 238; p. 1294.
- Rail-connecting device. C. Lenardie. No. 1,231,392; June 26; v. 239; p. 1134.
- Rail-contacter. E. C. Johnson. No. 1,238,922; Sept. 4; v. 242; p. 64.

Alphabetical list of inventions—Continued.

- Rail-crossing. E. D. Smith. No. 1,251,123; Dec. 25; v. 245; p. 907.
- Rail-dressing machine. J. W. Eunson. No. 1,216,097; Feb. 13; v. 235; p. 607.
- Rail-drilling machine. W. C. Dyer. No. 1,221,708; Apr. 3; v. 237; p. 245.
- Rail-drilling machine. B. A. Nelson. No. 1,246,144; Nov. 13; v. 244; p. 329.
- Rail-end supporter. J. M. Hill. No. 1,238,518; Aug. 28; v. 241; p. 1066.
- Rail-expander. E. W. Vogel. No. 1,242,395; Oct. 9; v. 243; p. 335.
- Rail-fastener. C. H. Cornell. No. 1,244,590; Oct. 30; v. 243; p. 1117.
- Rail-fastener. J. C. Crum. No. 1,224,078; Apr. 24; v. 237; p. 1176.
- Rail-fastener. I. B. Durocher. No. 1,219,271; Mar. 13; v. 236; p. 517.
- Rail-fastener. J. P. Foley. No. 1,213,856; Jan. 30; v. 234; p. 1332.
- Rail-fastener. H. B. Hall. No. 1,249,383; Dec. 11; v. 245; p. 307.
- Rail-fastener. K. H. Hansen. No. 1,250,117; Dec. 11; v. 245; p. 519.
- Rail-fastener. J. S. Mathews. No. 1,249,161; Dec. 4; v. 245; p. 211.
- Rail-fastener. E. Prendergast. No. 1,214,587; Feb. 6; v. 235; p. 37.
- Rail-fastener. O. J. Rajewsky. No. 1,223,203; Apr. 17; v. 237; p. 842.
- Rail-fastener. A. Remar. No. 1,238,335; Aug. 28; v. 241; p. 1006.
- Rail-fastener for metal ties. F. H. Krupp. No. 1,241,224; Sept. 25; v. 242; p. 886.
- Rail-fastening. J. H. Miller. No. 1,216,344; Feb. 20; v. 235; p. 744.
- Rail-fastening. J. R. Steele, Jr. No. 1,224,426; May 1; v. 238; p. 113.
- Rail-fastening device. J. P. Bergeron. No. 1,237,996; Aug. 21; v. 241; p. 861.
- Rail-fastening device. C. H. Cornell. No. 1,244,707; Oct. 30; v. 243; p. 1153.
- Rail-fastening device. L. D. Vaughn and W. P. Samples. No. 1,239,321; Sept. 4; v. 242; p. 192.
- Rail for railways or the like, Steel. G. Langford. No. 1,212,964; Jan. 16; v. 234; p. 960.
- Rail, Guard-. J. Y. McClintock. No. 1,233,080; July 10; v. 240; p. 542.
- Rail-holder. W. Rixton. No. 1,226,381; May 15; v. 238; p. 874.
- Rail-holding device. J. W. Thomas. No. 1,227,857; May 29; v. 238; p. 1436.
- Rail-joint. E. Ahlsten. No. 1,249,296; Dec. 11; v. 245; p. 283.
- Rail-joint. L. A. Autry and B. Regan. No. 1,241,901; Oct. 2; v. 243; p. 139.
- Rail-joint. P. Bačko. No. 1,210,396; Jan. 2; v. 234; p. 5.
- Rail-joint. W. E. Baker. No. 1,227,364; May 22; v. 238; p. 1239.
- Rail-joint. J. F. Ball. No. 1,228,386; June 5; v. 239; p. 4.
- Rail-joint. J. B. Baum. No. 1,223,847; Apr. 24; v. 237; p. 1098.
- Rail-joint. C. A. Belle Isle, Sr. No. 1,238,146; Aug. 28; v. 241; p. 943.
- Rail-joint. M. Bogdanović. No. 1,223,139; Apr. 17; v. 237; p. 819.
- Rail-joint. G. C. Boles. No. 1,242,133; Oct. 9; v. 243; p. 252.
- Rail-joint. H. W. Bouch. No. 1,217,400; Feb. 27; v. 235; p. 1152.
- Rail-joint. W. S. Boyce. No. 1,223,251; Apr. 17; v. 237; p. 855.
- Rail-joint. W. T. Bradley. No. 1,224,844; May 1; v. 238; p. 258.
- Rail-joint. L. H. Braun. No. 1,227,874; May 29; v. 238; p. 1441.
- Rail-joint. A. B. Brown. No. 1,227,742; May 29; v. 238; p. 1396.
- Rail-joint. W. C. Browning and T. M. Lowe. No. 1,237,612; Aug. 21; v. 241; p. 740.
- Rail-joint. C. H. Carroll. No. 1,220,184; Mar. 27; v. 235; p. 904.
- Rail-joint. E. W. Coughlin. No. 1,231,333; June 26; v. 239; p. 1115.
- Rail-joint. A. Couture. No. 1,234,632; July 24; v. 240; p. 1117.
- Rail-joint. W. E. Danat. No. 1,215,003; Feb. 6; v. 235; p. 185.
- Rail-joint. T. M. Daniels. No. 1,210,430; Jan. 2; v. 234; p. 18.
- Rail-joint. J. R. Davenport. No. 1,229,900; June 12; v. 239; p. 563.
- Rail-joint. H. E. Dengler. No. 1,213,759; Jan. 23; v. 234; p. 1267.
- Rail-joint. A. S. Dimitroff. No. 1,215,499; Feb. 13; v. 235; p. 389.
- Rail-joint. E. I. Dodds. No. 1,250,149; Dec. 18; v. 245; p. 568.
- Rail-joint. J. Dziatkiewicz. No. 1,240,429; Sept. 18; v. 242; p. 607.
- Rail-joint. E. G. Fidler. No. 1,234,321; July 24; v. 240; p. 1016.
- Rail-joint. A. R. Fitzgerald. No. 1,234,001; July 17; v. 240; p. 877.
- Rail-joint. P. J. Fonos. No. 1,210,785; Jan. 2; v. 234; p. 141.
- Rail-joint. J. and S. Ftacek. No. 1,232,786; July 10; v. 240; p. 448.
- Rail-joint. C. F. Gailor. No. 1,212,204; Jan. 16; v. 234; p. 691.
- Rail-joint. A. W. Gilmore. No. 1,235,024; July 31; v. 240; p. 1273.
- Rail-joint. A. Gimpel. No. 1,229,065; June 5; v. 239; p. 231.
- Rail-joint. J. A. Greer. No. 1,232,286; July 3; v. 240; p. 251.
- Rail-joint. E. A. Guill. No. 1,213,864; Jan. 30; v. 234; p. 1334.
- Rail-joint. I. and W. Hankovich. No. 1,216,990; Feb. 20; v. 235; p. 967.
- Rail-joint. A. Havrilla. No. 1,226,512; May 15; v. 238; p. 916.
- Rail-joint. C. B. Hayton. No. 1,221,731; Apr. 3; v. 237; p. 253.
- Rail-joint. S. J. Ivanik. No. 1,248,333; Nov. 27; v. 244; p. 1033.
- Rail-joint. G. Jans. No. 1,213,497; Jan. 23; v. 234; p. 1178.
- Rail-joint. A. Jansa. No. 1,227,625; May 29; v. 238; p. 1356.
- Rail-joint. F. Jerieh. No. 1,240,727; Sept. 18; v. 242; p. 698.
- Rail-joint. W. T. Johnson. No. 1,243,070; Oct. 16; v. 243; p. 586.
- Rail-joint. T. G. Joyce. No. 1,222,407; Apr. 10; v. 237; p. 524.
- Rail-joint. W. F. C. Karsten. No. 1,212,777; Jan. 16; v. 234; p. 896.
- Rail-joint. L. H. Kinney. No. 1,249,116; Dec. 4; v. 245; p. 198.
- Rail-joint. J. Klobuchar. No. 1,232,332; July 3; v. 240; p. 266.
- Rail-joint. A. Krager. No. 1,233,585; July 17; v. 240; p. 745.
- Rail-joint. A. Kranjec. No. 1,248,342; Nov. 27; v. 244; p. 1036.
- Rail-joint. E. T. Laskewitz. No. 1,224,857; May 1; v. 238; p. 262.
- Rail-joint. M. Leonard. No. 1,241,406; Sept. 25; v. 242; p. 944.
- Rail-joint. L. V. Luker. No. 1,234,052; July 17; v. 240; p. 893.
- Rail-joint. L. W. Macer. No. 1,222,313; Apr. 10; v. 237; p. 490.
- Rail-joint. J. Madden. No. 1,220,250; Mar. 27; v. 236; p. 926.
- Rail-joint. D. McCallister. No. 1,247,557; Nov. 20; v. 244; p. 778.
- Rail-joint. P. McIntosh. No. 1,237,924; Aug. 21; v. 241; p. 838.
- Rail-joint. W. McQuaid. No. 1,243,322; Oct. 16; v. 243; p. 661.
- Rail-joint. J. Miller. No. 1,248,523; Dec. 4; v. 245; p. 27.
- Rail-joint. W. T. Morgan. No. 1,238,178; Aug. 28; v. 241; p. 954.
- Rail-joint. M. Mus. No. 1,232,067; July 3; v. 240; p. 180.
- Rail-joint. F. Neudorf. No. 1,217,623; Feb. 27; v. 235; p. 1234.
- Rail-joint. J. Novak. No. 1,230,428; June 19; v. 239; p. 772.
- Rail-joint. N. Okler. No. 1,241,653; Oct. 2; v. 243; p. 59.
- Rail-joint. A. H. Op ten Noort. No. 1,220,882; Mar. 27; v. 236; p. 1146.
- Rail-joint. A. T. Palmer. No. 1,221,899; Apr. 10; v. 237; p. 346.
- Rail-joint. I. H. Peyton. No. 1,247,146; Nov. 20; v. 244; p. 662.
- Rail-joint. C. B. Pipes. No. 1,222,665; Apr. 17; v. 237; p. 657.
- Rail-joint. M. S. Pittman. No. 1,224,785; May 1; v. 238; p. 237.
- Rail-joint. N. V. Poindexter. No. 1,245,009; Oct. 30; v. 243; p. 1244.
- Rail-joint. W. O. Price. No. 1,234,801; July 31; v. 240; p. 1202.
- Rail-joint. M. F. Radovan. No. 1,213,010; Jan. 16; v. 234; p. 978.
- Rail-joint. G. C. Richards. No. 1,230,031; June 12; v. 239; p. 603.
- Rail-joint. G. H. Ricke. No. 1,240,092; Sept. 11; v. 242; p. 461.
- Rail-joint. H. F. Roach. No. 1,231,791; July 3; v. 240; p. 85.
- Rail-joint. S. Rome and J. Iarussi. No. 1,227,832; May 29; v. 238; p. 1427.
- Rail-joint. W. E. Salsman. No. 1,238,442; Aug. 28; v. 241; p. 1041.
- Rail-joint. J. P. Schoelerman. No. 1,244,378; Oct. 23; v. 243; p. 1013.
- Rail-joint. G. F. Shapland. No. 1,247,016; Nov. 20; v. 244; p. 625.

- Rail-joint. M. Sharp. No. 1,226,819; May 22; v. 238; p. 1057.
- Rail-joint. A. N. Sidders. No. 1,236,771; Aug. 14; v. 241; p. 434.
- Rail-joint. J. L. Simpson. No. 1,219,355; Mar. 13; v. 236; p. 546.
- Rail-joint. J. Sitko. No. 1,231,440; June 26; v. 239; p. 1151.
- Rail-joint. A. W. Slater. No. 1,216,373; Feb. 20; v. 235; p. 755.
- Rail-joint. J. H. Stull. No. 1,227,853; May 29; v. 238; p. 1435.
- Rail-joint. P. Szeremeta. No. 1,220,023; Mar. 20; v. 236; p. 808.
- Rail-joint. M. Taras. No. 1,228,716; June 5; v. 239; p. 116.
- Rail-joint. J. W. Waggoner. No. 1,219,057; Mar. 13; v. 236; p. 445.
- Rail-joint. A. J. Waltermire. No. 1,247,351; Nov. 20; v. 244; p. 720.
- Rail-joint. F. H. Wellendorf. No. 1,237,982; Aug. 21; v. 241; p. 857.
- Rail-joint. C. W. Whitcomb. No. 1,223,227; Apr. 17; v. 237; p. 848.
- Rail-joint. W. D. Williams. No. 1,223,918; Apr. 24; v. 237; p. 1122.
- Rail-joint. J. Winter. No. 1,228,276; May 29; v. 238; p. 1573.
- Rail-joint. J. Zahuranec. No. 1,229,005; June 5; v. 239; p. 212.
- Rail-joint. W. V. Zarnekee. No. 1,250,112; Dec. 11; v. 245; p. 517.
- Rail-joint and chair therefor. J. F. Hill. No. 1,215,873; Feb. 13; v. 235; p. 344.
- Rail-joint and tie-plate, Combined. J. A. Hyle. No. 1,227,146; May 22; v. 238; p. 1169.
- Rail-joint, Boltless. J. D. Everett. No. 1,214,529; Feb. 6; v. 235; p. 17.
- Rail-joint, Boltless. D. Schneider. No. 1,228,703; June 5; v. 239; p. 112.
- Rail-joint chair. T. C. Blake. No. 1,249,006; Dec. 4; v. 245; p. 168.
- Rail-joint clamp, Boltless. R. A. Coe and T. J. Harbour. No. 1,219,255; Mar. 13; v. 236; p. 512.
- Rail-joint connector. W. D. Calvert and H. L. Pryor. No. 1,251,337; Dec. 25; v. 245; p. 971.
- Rail-joint, Equalized. B. G. Braine. No. 1,246,861; Nov. 20; v. 244; p. 580.
- Rail-joint, Insulated. C. E. Ballou. No. 1,215,897; Feb. 13; v. 235; p. 533.
- Rail-joint, Insulated. C. E. Ballou. No. 1,227,028; May 22; v. 238; p. 1129.
- Rail-joint, Insulated. B. G. Braine. No. 1,228,645; June 5; v. 239; p. 92.
- Rail-joint, Insulated. B. G. Braine. No. 1,240,660; Sept. 18; v. 242; p. 678.
- Rail-joint, Insulated. P. G. Ten Eyck. (Reissue.) No. 1,436,2; Sept. 18; v. 242; p. 725.
- Rail-joint, Insulated. B. Wolhaupter and B. G. Braine. No. 1,221,260; Apr. 3; v. 237; p. 91.
- Rail-joint insulation, Breakdown-detector for. G. P. Thurber. No. 1,232,441; July 3; v. 240; p. 299.
- Rail-joint lock. P. H. Antrim. No. 1,239,334; Sept. 4; v. 242; p. 196.
- Rail-joint lock. S. N. Burns. No. 1,242,764; Oct. 9; v. 243; p. 453.
- Rail-joint support and fastening. M. Thomson. No. 1,229,674; June 12; v. 239; p. 488.
- Rail-joints, Base-plate for. F. E. Abbott. No. 1,231,543; June 26; v. 239; p. 1183.
- Rail-plate. W. W. McCloy. No. 1,220,864; Mar. 27; v. 236; p. 1141.
- Rail-plate. H. L. Turpin. No. 1,219,201; Mar. 13; v. 236; p. 493.
- Rail securing and supporting means. J. W. Kendrick. No. 1,241,857; Oct. 2; v. 243; p. 124.
- Rail-securing device. J. W. Thomas. No. 1,227,855; May 29; v. 238; p. 1435.
- Rail-separator. T. G. Willson and A. H. Maranda. No. 1,230,256; Jun. 19; v. 239; p. 717.
- Rail-spike. D. W. O'Bryan. No. 1,214,578; Feb. 6; v. 235; p. 33.
- Rail-splitting machine. W. G. Owen. No. 1,248,388; Nov. 27; v. 244; p. 1049.
- Rail-stay. I. L. Edwards. No. 1,211,561; Jan. 9; v. 234; p. 440.
- Rail-stay. H. H. Sponenburg. No. 1,214,723; Feb. 6; v. 235; p. 85.
- Rail-stay. H. H. Sponenburg. No. 1,228,613; June 5; v. 239; p. 81.
- Rail, Steel. W. F. McDade. No. 1,236,192; Aug. 7; v. 241; p. 214.
- Rail-supporting device. E. G. Busse. No. 1,221,832; Apr. 10; v. 237; p. 321.
- Rail-tie. A. C. Candland. No. 1,218,592; Mar. 6; v. 236; p. 243.
- Rail-tie. D. Dumpprope. No. 1,249,925; Dec. 11; v. 245; p. 465.
- Rail-tie. I. S. Fisher. No. 1,221,714; Apr. 3; v. 237; p. 247.
- Rail-tie. W. L. Mitchell. No. 1,242,836; Oct. 9; v. 243; p. 475.
- Rail-tie. J. Peterson. No. 1,220,885; Mar. 27; v. 236; p. 1147.
- Rail-tie. D. H. Snyder. No. 1,247,028; Nov. 20; v. 244; p. 628.
- Rail tie and fastener. E. E. Eddy. No. 1,242,334; Oct. 9; v. 243; p. 315.
- Rail tie and fastener. I. and W. Hankovich. No. 1,216,989; Feb. 20; v. 235; p. 967.
- Rail tie and fastener. J. J. Hartnett. No. 1,240,970; Sept. 25; v. 242; p. 807.
- Rail tie and fastener. J. H. Miller. No. 1,220,443; Mar. 27; v. 236; p. 996.
- Rail tie and fastener. E. T. Wade. No. 1,239,750; Sept. 11; v. 242; p. 357.
- Rail-tie fastener. E. H. Traut. No. 1,230,630; June 19; v. 239; p. 841.
- Rail-tie, Metallic. I. S. Fisher. No. 1,212,037; Jan. 9; v. 234; p. 605.
- Rail-tie, Metallic. R. T. Futch. No. 1,229,932; June 12; v. 239; p. 572.
- Rail-tie plate and rail-fastener. F. Caldwell. No. 1,220,948; Mar. 27; v. 236; p. 1167.
- Rail-tie, Reinforced-concrete. D. S. Williams. No. 1,244,813; Oct. 30; v. 243; p. 1185.
- Rail-tie, Steel. A. R. De Rycke. No. 1,239,363; Sept. 4; v. 242; p. 206.
- Rail-tie structure. M. E. Smith. No. 1,237,566; Aug. 21; v. 241; p. 725.
- Rails and like conductors, Bonding. J. R. Brown. No. 1,214,005; Jan. 30; v. 234; p. 1383.
- Rails, Method and apparatus for bonding. L. P. Crecellus. No. 1,242,527; Oct. 9; v. 243; p. 376.
- Rails, Tie-bar for. J. A. Bender. No. 1,230,370; June 19; v. 239; p. 753.
- Rails to ties, Means for fastening. F. Baurichter. No. 1,220,491; Mar. 27; v. 236; p. 1013.
- Rails, Treatment of worn steel. G. Langford. No. 1,212,364; Jan. 16; v. 234; p. 749.
- Rails, Treatment of worn steel. G. Langford. No. 1,212,365; Jan. 16; v. 234; p. 749.
- Rails, Uniting. H. Goldschmidt and W. Brewitt. No. 1,246,909; Nov. 20; v. 244; p. 595.
- Railing, Metal. E. E. Slick. No. 1,241,041; Sept. 25; v. 242; p. 830.
- Railway. H. Pritchard. No. 1,213,946; Jan. 30; v. 234; p. 1362.
- Railway air-compressors, Control system for. C. J. Axtell. No. 1,213,815; Jan. 30; v. 234; p. 1317.
- Railway and like traffic, Means for the regulation or control of. H. Van Kramer. No. 1,211,017; Jan. 2; v. 234; p. 222.
- Railway and like traffic, Means for the regulation or control of. H. Von Kramer. No. 1,219,508; Mar. 20; v. 236; p. 629.
- Railway and other vehicles, Electrical coupling device for. L. Boirault. No. 1,216,057; Feb. 13; v. 235; p. 592.
- Railway and other vehicles, Underframe for. L. N. Lloyd. No. 1,240,064; Sept. 11; v. 242; p. 453.
- Railway appliance. C. E. Wenrich. No. 1,216,639; Feb. 20; v. 235; p. 849.
- Railway-bed. S. Hemingway. No. 1,250,871; Dec. 18; v. 245; p. 784.
- Railway-brake. W. R. Chandler. No. 1,229,229; June 12; v. 239; p. 337.
- Railway-brake, Air. S. Cheney. No. 1,219,253; Mar. 13; v. 236; p. 511.
- Railway-brake mechanism. W. J. Stahr. No. 1,246,672; Nov. 13; v. 244; p. 488.
- Railway-buffer construction. F. Rawie. No. 1,248,546; Dec. 4; v. 245; p. 35.
- Railway-cab, signaling system. H. G. Sedgwick. No. 1,230,042; June 12; v. 239; p. 606.
- Railway car-yard or terminal. A. Smith. No. 1,237,963; Aug. 21; v. 241; p. 850.
- Railway-carriage doors, Means for controlling the opening of. E. Williams, Jr. No. 1,211,990; Jan. 9; v. 234; p. 591.
- Railway-carriage lighting. H. Rosenthal. No. 1,235,383; July 31; v. 240; p. 1380.
- Railway-carriages and for similar purposes, Electrical installations for lighting, heating, and ventilating. A. H. Darker. (Reissue.) No. 1,42,74; Mar. 20; v. 236; p. 866.
- Railway cattle-guard. P. A. Pheney. No. 1,219,036; Mar. 13; v. 236; p. 438.
- Railway cattle-guard. M. V. Truhan. No. 1,249,556; Dec. 11; v. 245; p. 356.
- Railway-coach. C. A. West. No. 1,231,827; July 3; v. 240; p. 99.
- Railway-coaches, Mail-bag receiver for. H. A. Harrison. No. 1,242,437; Oct. 9; v. 243; p. 347.
- Railway construction. W. F. Bond. No. 1,240,658; Sept. 18; v. 242; p. 678.
- Railway construction. G. B. Hoffman. No. 1,223,695; Apr. 24; v. 237; p. 1046.
- Railway construction. M. P. McNulty. No. 1,222,432; Apr. 10; v. 237; p. 534.
- Railway construction. A. Nagelberg. No. 1,250,208; Dec. 18; v. 245; p. 586.
- Railway construction, Street. W. S. Godwin. No. 1,246,907; Nov. 20; v. 244; p. 594.
- Railway control system. A. R. Craddock. No. 1,229,235; June 12; v. 239; p. 339.
- Railway-controlling apparatus. F. T. Knight. No. 1,247,546; Nov. 20; v. 244; p. 776.

Alphabetical list of inventions—Continued.

- Railway-couplings, Draft-yoke for. S. P. Bush. No. 1,238,491; Aug. 28; v. 241; p. 1056.
- Railway cross-tie. E. S. Brooks. No. 1,227,036; May 22; v. 238; p. 1131.
- Railway cross-tie. E. Everett. No. 1,212,922; Jan. 16; v. 234; p. 945.
- Railway cross-tie. J. H. Messner. No. 1,225,153; May 8; v. 238; p. 413.
- Railway cross-tie. E. A. Salter. No. 1,225,503; May 8; v. 238; p. 532.
- Railway cross-tie. E. Wartman and N. Mitchell. No. 1,225,688; May 8; v. 238; p. 595.
- Railway-crossing. S. Balkwill. No. 1,233,437; July 17; v. 240; p. 694.
- Railway-crossing. S. Balkwill. No. 1,250,126; Dec. 18; v. 245; p. 560.
- Railway-crossing. O. N. Beam. No. 1,239,338; Sept. 4; v. 242; p. 197.
- Railway-crossing. D. Brown. No. 1,213,070; Jan. 16; v. 234; p. 996.
- Railway-crossing. J. W. Burns and W. Beach. No. 1,230,377; June 19; v. 239; p. 756.
- Railway-crossing. R. G. Coates. No. 1,233,448; July 17; v. 240; p. 699.
- Railway-crossing. D. C. Douglas. No. 1,238,005; Aug. 21; v. 241; p. 864.
- Railway-crossing. H. G. Elfborg. No. 1,225,421; May 8; v. 238; p. 506.
- Railway-crossing. G. L. Forester. No. 1,244,439; Oct. 23; v. 243; p. 1032.
- Railway-crossing. F. L. Gilman. No. 1,238,063; Aug. 21; v. 241; p. 883.
- Railway-crossing. C. A. Huber. No. 1,242,696; Oct. 9; v. 243; p. 431.
- Railway-crossing. C. W. Jackson. No. 1,247,537; Nov. 20; v. 244; p. 773.
- Railway-crossing. C. C. Melrose. No. 1,231,405; June 26; v. 239; p. 1139.
- Railway-crossing. I. Moore. No. 1,249,803; Dec. 11; v. 245; p. 429.
- Railway-crossing. E. N. Strom. No. 1,211,892; Jan. 9; v. 234; p. 555.
- Railway-crossing. C. A. Zobel. No. 1,244,401; Oct. 23; v. 243; p. 1022.
- Railway-crossing alarm. B. D. Whitcomb. No. 1,214,624; Feb. 6; v. 235; p. 50.
- Railway-crossing, Automatic silent. C. Magerkurth. No. 1,236,197; Aug. 7; v. 241; p. 215.
- Railway crossing, Automatic street-. H. B. Cole. No. 1,235,113; July 31; v. 240; p. 1299.
- Railway-crossing, Cushioned. P. B. Harris. No. 1,239,269; Sept. 4; v. 242; p. 177.
- Railway-crossing danger-signal, Automatic. J. B. Linker. No. 1,215,670; Feb. 13; v. 235; p. 454.
- Railway-crossing gate. L. L. Hill. No. 1,226,213; May 15; v. 238; p. 816.
- Railway-crossing gate. R. H. Longbrake. No. 1,211,194; Jan. 2; v. 234; p. 280.
- Railway-crossing gate. E. H. Smith. No. 1,229,339; June 12; v. 239; p. 374.
- Railway-crossing, Noiseless. T. J. Griffith. No. 1,236,291; Aug. 7; v. 241; p. 244.
- Railway-crossing signal. K. B. Coleman. No. 1,241,608; Oct. 2; v. 243; p. 46.
- Railway-crossing signal. H. A. Harrison. No. 1,211,841; Jan. 9; v. 234; p. 537.
- Railway-crossing signal. J. F. Hawley and F. L. Moss. No. 1,244,204; Oct. 23; v. 243; p. 961.
- Railway-crossing signal. O. Williams. No. 1,250,065; Dec. 11; v. 245; p. 503.
- Railway-crossing signal, Electric. A. L. Davis. No. 1,232,774; July 10; v. 240; p. 444.
- Railway-crossing, Silent. S. R. M. Malloch. No. 1,249,981; Dec. 11; v. 245; p. 480.
- Railway-crossings, Automatic alarm for. H. A. Price and J. E. Grant. No. 1,215,989; Feb. 13; v. 235; p. 566.
- Railway-crossings, Signal-controlling means for. H. J. Yager. No. 1,247,477; Nov. 20; v. 244; p. 756.
- Railway device, Gravity-. C. F. Jenkins. No. 1,216,694; Feb. 20; v. 235; p. 867.
- Railway devices, Hydraulic mechanism for. L. Heald. No. 1,239,007; Sept. 4; v. 242; p. 92.
- Railway draft appliance. W. F. Richards. No. 1,235,726; Aug. 7; v. 241; p. 63.
- Railway draft-gears, Means for recording actions of. J. F. O'Connor. No. 1,217,984; Mar. 6; v. 236; p. 33.
- Railway draft-rigging, Means of connecting draw-bars to draft-yokes in. S. B. Haseltine. No. 1,240,341; Sept. 18; v. 242; p. 580.
- Railway dry-dock. J. L. Crandall. No. 1,210,425; Jan. 2; v. 234; p. 17.
- Railway, Electric. J. M. Clark. No. 1,211,088; Jan. 2; v. 234; p. 245.
- Railway, Electric. T. M. Erickson. No. 1,240,184; Sept. 18; v. 242; p. 529.
- Railway electric signal. C. L. Bopp. No. 1,222,518; Apr. 10; v. 237; p. 563.
- Railway foot-guard. J. W. Thomas. No. 1,227,856; May 29; v. 238; p. 1436.
- Railway freight-vans. Apparatus for maintaining a uniform temperature in. A. W. Prim and F. W. Roper. No. 1,228,699; June 5; v. 239; p. 110.
- Railway-frog. G. B. Reed and J. H. Morgan. No. 1,247,879; Nov. 27; v. 244; p. 905.
- Railway-frog gage. W. A. Gowrie. No. 1,245,704; Nov. 6; v. 244; p. 170.
- Railway-gate. J. R. Burress and W. W. Burnes. No. 1,216,065; Feb. 13; v. 235; p. 595.
- Railway-gate. H. Carlisle. No. 1,244,420; Oct. 23; v. 243; p. 1026.
- Railway-gate. A. C. Humphreys. No. 1,224,745; May 1; v. 238; p. 224.
- Railway-gate. C. N. Jay. No. 1,247,405; Nov. 20; v. 244; p. 736.
- Railway-gate. F. A. Strieter. No. 1,245,061; Oct. 30; v. 243; p. 1259.
- Railway-gate apparatus. L. M. King. No. 1,240,149; Sept. 11; v. 242; p. 479.
- Railway-gate, Automatic. J. W. Ebert. No. 1,248,093; Nov. 27; v. 244; p. 964.
- Railway-gate, Automatic. C. N. Jay. No. 1,244,336; Oct. 23; v. 243; p. 1002.
- Railway-gate, Automatic. S. Turner. No. 1,243,643; Oct. 16; v. 243; p. 756.
- Railway-gate, Automatically-operated. W. C. and W. H. Biggins. No. 1,246,384; Nov. 13; v. 244; p. 402.
- Railway-gate operator. D. E. Husk and T. C. Cooper. No. 1,215,157; Feb. 6; v. 235; p. 235.
- Railway-gate operator. J. La Fieles. No. 1,211,321; Jan. 2; v. 234; p. 324.
- Railway grade-crossing. M. A. Woolridge. No. 1,230,058; June 12; v. 239; p. 611.
- Railway-grade-crossing protective device. G. M. Stoll and V. S. Beam. No. 1,213,292; Jan. 23; v. 234; p. 1107.
- Railway-joint. B. R. Brown. No. 1,216,205; Feb. 13; v. 235; p. 645.
- Railway lighting apparatus. J. Bijur. No. 1,241,908; Oct. 2; v. 243; p. 141.
- Railway-lines, Means for fixing. O. Valeri. No. 1,239,318; Sept. 4; v. 242; p. 191.
- Railway mail-crane. A. Hupp. No. 1,229,191; June 5; v. 239; p. 274.
- Railway mud-guard. A. M. Anderson. No. 1,244,010; Oct. 23; v. 243; p. 905.
- Railway platform or approach, Movable. S. Pokopac. No. 1,235,377; July 31; v. 240; p. 1378.
- Railway-platform safety appliance. R. C. Gallinant. No. 1,216,560; Feb. 20; v. 235; p. 822.
- Railway, Pleasure-. J. Behr, Jr. No. 1,244,411; Oct. 23; v. 243; p. 1024.
- Railway protective device. G. W. McMunn. No. 1,232,584; July 10; v. 240; p. 381.
- Railway-rail. C. W. Cason, Sr. No. 1,226,061; May 15; v. 238; p. 764.
- Railway-rail. J. Probac. No. 1,211,300; Jan. 2; v. 234; p. 317.
- Railway-rail. P. Kilmack. No. 1,242,203; Oct. 9; v. 243; p. 275.
- Railway-rail. C. L. Manson. No. 1,231,039; June 26; v. 239; p. 1017.
- Railway-rail. O. P. Williams. No. 1,231,465; June 26; v. 239; p. 1159.
- Railway-rail. H. W. Winner. No. 1,229,847; June 12; v. 239; p. 546.
- Railway-rail anchor. W. M. Mitchell. No. 1,235,493; July 31; v. 240; p. 1412.
- Railway-rail anti-creeper. D. F. Vaughan. No. 1,244,145; Oct. 23; v. 243; p. 944.
- Railway-rail connection. E. F. and H. M. Gooderham. No. 1,219,288; Mar. 13; v. 236; p. 532.
- Railway-rail-engaging device. E. D. Cassel. No. 1,220,319; Mar. 27; v. 236; p. 953.
- Railway-rail fastener. J. F. Craven. No. 1,224,608; May 1; v. 238; p. 176.
- Railway-rail fastener. T. E. Doub. No. 1,218,379; Mar. 6; v. 236; p. 171.
- Railway-rail fastener. W. Forbes and J. T. Hubbard. No. 1,229,926; June 12; v. 239; p. 571.
- Railway-rail fastening. A. H. and A. V. Glasscock and J. W. Melton. No. 1,250,850; Dec. 18; v. 245; p. 778.
- Railway-rail for use on curves. G. Langford. No. 1,212,366; Jan. 16; v. 234; p. 750.
- Railway-rail joint. E. F. Caire. No. 1,224,851; May 1; v. 238; p. 260.
- Railway-rail joint. E. H. C. Ravn. No. 1,223,731; Apr. 24; v. 237; p. 1058.
- Railway-rail joint. I. Strong. No. 1,227,689; May 29; v. 238; p. 1378.
- Railway-rail joint. M. J. Wightman. No. 1,237,593; Aug. 21; v. 241; p. 734.
- Railway-rail joint with rerailer and derailer. J. E. Bennett and F. Cellitti. No. 1,225,104; May 8; v. 238; p. 397.
- Railway-rail lock. H. Des Rosier. No. 1,241,349; Sept. 25; v. 242; p. 927.
- Railway-rail lock. M. O'Brien. No. 1,244,072; Oct. 23; v. 243; p. 923.
- Railway-rail-manipulating device. E. W. Vogel. No. 1,223,452; Apr. 24; v. 237; p. 957.
- Railway-rails, Anticreeper for. H. G. Gillmor. No. 1,240,843; Sept. 25; v. 242; p. 769.
- Railway-rails, Anticreeper device for. T. H. Alfreds. No. 1,248,240; Nov. 27; v. 244; p. 1007.
- Railway-rails, Means for connecting the ends of. W. Flanagan. No. 1,229,925; June 12; v. 239; p. 570.
- Railway-rails, Splice-bar for. A. J. Neafe and C. B. French. No. 1,226,360; May 15; v. 238; p. 868.

- Railway-ralls, Tie-plate for. O. P. Morrison. (Reissue.) No. 14,358; Sept. 11; v. 242; p. 490.
- Railway registering system, Wireless automatic. C. L. Bopp. No. 1,213,066; Jan. 16; v. 234; p. 994.
- Railway road-bed. C. F. Brown. No. 1,225,218; May 8; v. 238; p. 435.
- Railway road-bed. A. J. Dinklage. No. 1,231,718; July 3; v. 240; p. 62.
- Railway-road-bed construction. A. F. Stockwell. No. 1,233,140; July 10; v. 240; p. 562.
- Railway-road spreader. M. J. Woodhull. No. 1,232,641; July 10; v. 240; p. 397.
- Railway rolling-stock, Non-telescoping. F. Schohaus. No. 1,234,809; July 31; v. 240; p. 1204.
- Railway safety appliance. J. Culton. No. 1,235,879; Aug. 7; v. 241; p. 115.
- Railway safety appliance. J. Culton. No. 1,235,880; Aug. 7; v. 241; p. 115.
- Railway safety device. J. S. Crawford. No. 1,221,690; Apr. 3; v. 237; p. 239.
- Railway safety device. C. A. Sturm and G. R. Hurlbut. No. 1,218,816; Mar. 13; v. 236; p. 362.
- Railway selective system. K. E. Stuart. No. 1,243,457; Oct. 16; v. 243; p. 699.
- Railway service, Highway signaling apparatus for. E. W. Vogel. No. 1,250,250; Dec. 18; v. 245; p. 598.
- Railway service, Signal-bell for. E. W. Vogel. No. 1,229,549; June 12; v. 239; p. 446.
- Railway-signal. J. D. Beatty. No. 1,225,747; May 15; v. 238; p. 658.
- Railway-signal. E. R. Coe. No. 1,211,675; Jan. 9; v. 234; p. 478.
- Railway-signal. A. E. Gauthier. No. 1,216,982; Feb. 20; v. 235; p. 965.
- Railway-signal. J. C. Henley. No. 1,243,601; Oct. 16; v. 243; p. 742.
- Railway-signal. R. F. Hudson. No. 1,238,772; Sept. 4; v. 242; p. 16.
- Railway-signal. D. G. Lyzen. No. 1,210,503; Jan. 2; v. 234; p. 44.
- Railway-signal. A. C. Mather. No. 1,230,193; June 19; v. 239; p. 695.
- Railway-signal, Automatic. H. T. Bowersock. No. 1,250,784; Dec. 18; v. 245; p. 757.
- Railway signal system. W. H. Gilman. No. 1,220,089; Mar. 20; v. 236; p. 833.
- Railway signal system. R. J. Hewett. No. 1,237,905; Aug. 21; v. 241; p. 832.
- Railway signal system. P. J. Simmen. No. 1,239,048; Sept. 4; v. 242; p. 105.
- Railway signal system. P. J. Simmen. No. 1,239,049; Sept. 4; v. 242; p. 105.
- Railway signal system and apparatus. M. H. Loughridge. No. 1,215,173; Feb. 6; v. 235; p. 240.
- Railway signal system, Electric-trolley. B. M. Downs and W. S. Cook. No. 1,214,440; Jan. 30; v. 234; p. 1531.
- Railway-signals, Mechanism for operating. J. W. Coffman. No. 1,248,457; Dec. 4; v. 245; p. 9.
- Railway signaling. H. W. Griffin. No. 1,211,140; Jan. 2; v. 234; p. 260.
- Railway signaling. H. W. Griffin. No. 1,211,141; Jan. 2; v. 234; p. 261.
- Railway signaling. H. W. Griffin. No. 1,211,142; Jan. 2; v. 234; p. 261.
- Railway signaling. H. W. Griffin. No. 1,215,522; Feb. 13; v. 235; p. 397.
- Railway signaling. S. C. Hofmann. No. 1,233,473; July 17; v. 240; p. 707.
- Railway signaling. A. Kerr. No. 1,242,701; Oct. 9; v. 243; p. 433.
- Railway signaling. C. J. Kintner. No. 1,239,699; Sept. 11; v. 242; p. 342.
- Railway signaling. R. A. McCann. No. 1,233,488; July 17; v. 240; p. 711.
- Railway signaling. J. E. Saunders. No. 1,216,369; Feb. 20; v. 235; p. 754.
- Railway signaling. H. A. Wallace. No. 1,213,309; Jan. 23; v. 234; p. 1114.
- Railway signaling. H. A. Wallace. No. 1,213,310; Jan. 23; v. 234; p. 1115.
- Railway signaling. H. A. Wallace. No. 1,231,541; June 26; v. 239; p. 1182.
- Railway signaling. H. S. Young. No. 1,222,583; Apr. 10; v. 237; p. 587.
- Railway signaling apparatus. A. H. Fox and A. W. Lenderoth. No. 1,229,055; June 5; v. 239; p. 228.
- Railway signaling apparatus. J. T. Ripley. No. 1,228,968; June 5; v. 239; p. 200.
- Railway signaling apparatus. W. L. Waters. No. 1,221,928; Apr. 10; v. 237; p. 357.
- Railway signaling device. C. W. Giles. No. 1,231,729; July 3; v. 240; p. 66.
- Railway signaling system. A. A. Armstrong and G. M. Rives. No. 1,236,897; Aug. 14; v. 241; p. 473.
- Railway signaling system. H. Bezer. No. 1,221,017; Apr. 3; v. 237; p. 5.
- Railway signaling system. A. V. T. Day. No. 1,213,161; Jan. 23; v. 234; p. 1061.
- Railway signaling system. R. M. Lewis. No. 1,210,816; Jan. 2; v. 234; p. 150.
- Railway signaling system. A. Rioux. No. 1,225,493; May 8; v. 238; p. 529.
- Railway signaling system. H. A. Wallace. No. 1,231,540; June 26; v. 239; p. 1182.
- Railway signaling system and apparatus. C. J. Coleman. No. 1,249,902; Dec. 11; v. 245; p. 459.
- Railway signaling train control or the like, Automatic. W. H. Biddle. No. 1,250,780; Dec. 18; v. 245; p. 756.
- Railway-spike. P. M. Bulatovich. No. 1,228,291; May 29; v. 238; p. 1579.
- Railway-spike. A. D. Curry. No. 1,214,436; Jan. 30; v. 234; p. 1530.
- Railway-spike. W. S. Cutting. No. 1,225,589; May 8; v. 238; p. 562.
- Railway-spike. W. Draper and C. Johnson. No. 1,215,259; Feb. 6; v. 235; p. 271.
- Railway-spike. F. and E. H. Grosser. No. 1,236,293; Aug. 7; v. 241; p. 245.
- Railway-spike. H. E. Harris. No. 1,250,865; Dec. 18; v. 245; p. 782.
- Railway-spike. W. G. Herman. No. 1,231,887; July 3; v. 240; p. 119.
- Railway-spike. H. S. Wright. No. 1,214,634; Feb. 6; v. 235; p. 53.
- Railway-spike holder. H. A. Mansfield. No. 1,211,609; Jan. 9; v. 234; p. 456.
- Railway-spikes from ties, Machine for pulling. T. C. Chapman. No. 1,237,472; Aug. 21; v. 241; p. 694.
- Railway-stake. W. P. Newkirk. No. 1,222,575; Apr. 10; v. 237; p. 585.
- Railway street or station indicator. L. B. Bell. No. 1,219,619; Mar. 20; v. 236; p. 669.
- Railway structure, Elevated. I. Dickson. No. 1,238,276; Aug. 28; v. 241; p. 986.
- Railway-switch. L. Collis. No. 1,223,151; Apr. 17; v. 237; p. 824.
- Railway-switch. F. Evans and D. Dutt. No. 1,223,945; Apr. 24; v. 237; p. 1131.
- Railway-switch. B. Faymonville, Jr. No. 1,242,671; Oct. 9; v. 243; p. 423.
- Railway-switch. J. F. Foster. No. 1,244,307; Oct. 23; v. 243; p. 994.
- Railway-switch. R. H. Hannemann. No. 1,244,849; Oct. 30; v. 243; p. 1195.
- Railway-switch. M. Jackson. No. 1,225,635; May 8; v. 238; p. 577.
- Railway-switch. E. C. Jones. No. 1,251,041; Dec. 25; v. 245; p. 884.
- Railway-switch. J. D. Perkins. No. 1,222,577; Apr. 10; v. 237; p. 585.
- Railway-switch. C. C. Petty. No. 1,247,447; Nov. 20; v. 244; p. 748.
- Railway-switch. I. E. Prominski. No. 1,235,379; July 31; v. 240; p. 1379.
- Railway-switch, Automatic. L. Eisenberg. No. 1,238,006; Aug. 21; v. 241; p. 865.
- Railway-switch, Automatic. R. Hedden. No. 1,233,470; July 17; v. 240; p. 706.
- Railway-switch, Automatic. A. Nitzsche. No. 1,239,031; Sept. 4; v. 242; p. 100.
- Railway-switch, Automatic. C. S. Robbins. No. 1,248,919; Dec. 4; v. 245; p. 144.
- Railway-switch mechanism. A. J. Allard. No. 1,243,376; Oct. 16; v. 243; p. 676.
- Railway-switch operator. W. A. Robinson. No. 1,229,141; June 5; v. 239; p. 257.
- Railway-switch throw. A. Loeffler. No. 1,233,378; July 17; v. 240; p. 675.
- Railway switches and signals, Apparatus for controlling. A. Monard, E. A. Moutier, and H. Dumartin. No. 1,235,912; Aug. 7; v. 241; p. 125.
- Railway switches and signals, Controlling apparatus for. H. W. Griffin. (Reissue.) No. 14,302; May 15; v. 238; p. 951.
- Railway system. H. C. Ford. (Reissue.) No. 14,295; May 1; v. 238; p. 274.
- Railway system, Automatic electric. K. E. Stuart. No. 1,229,807; June 12; v. 239; p. 532.
- Railway system, Electric. K. E. Stuart. No. 1,240,897; Sept. 25; v. 242; p. 785.
- Railway system, Electric. K. E. Stuart. No. 1,240,898; Sept. 25; v. 242; p. 785.
- Railway system, Electric. A. Yurov. No. 1,219,524; Mar. 20; v. 236; p. 636.
- Railway system, Gravity. D. R. Parr. No. 1,221,371; Apr. 3; v. 237; p. 130.
- Railway system, Street. J. W. Cooper. No. 1,227,585; May 29; v. 238; p. 1342.
- Railway-tie. H. J. Barnes. No. 1,213,448; Jan. 23; v. 234; p. 1162.
- Railway-tie. J. A. Beamisdorfer. No. 1,244,828; Oct. 30; v. 243; p. 1190.
- Railway-tie. H. L. Bee. No. 1,225,751; May 15; v. 238; p. 659.
- Railway-tie. H. M. Bodine. No. 1,237,863; Aug. 21; v. 241; p. 819.
- Railway-tie. H. L. Boy. No. 1,211,063; Jan. 2; v. 234; p. 237.
- Railway-tie. J. Brunner. No. 1,219,911; Mar. 20; v. 236; p. 770.
- Railway-tie. J. S. Campbell. No. 1,235,287; July 31; v. 240; p. 1351.
- Railway-tie. E. W. Carroll. No. 1,251,339; Dec. 25; v. 245; p. 971.
- Railway-tie. W. E. Chesney. No. 1,215,112; Feb. 6; v. 235; p. 220.
- Railway-tie. R. F. Cornelius. No. 1,228,883; June 5; v. 239; p. 173.

Alphabetical list of inventions—Continued.

- Railway-tie. W. G. Coughlin. No. 1,225,413; May 8; v. 238; p. 503.
- Railway-tie. W. P. Day. No. 1,240,952; Sept. 25; v. 242; p. 802.
- Railway-tie. W. R. Doughty. No. 1,242,782; Oct. 9; v. 243; p. 458.
- Railway-tie. R. Duval. No. 1,225,600; May 8; v. 238; p. 566.
- Railway-tie. A. Fountain. No. 1,212,930; Jan. 16; v. 234; p. 947.
- Railway-tie. G. H. Hardman. No. 1,214,914; Feb. 6; v. 235; p. 151.
- Railway-tie. G. W. Hicks. No. 1,251,229; Dec. 25; v. 245; p. 938.
- Railway-tie. W. Klimas. No. 1,238,788; Sept. 4; v. 242; p. 21.
- Railway-tie. T. H. Kruse. No. 1,244,616; Oct. 30; v. 243; p. 1125.
- Railway-tie. B. D. Lockwood. No. 1,211,727; Jan. 9; v. 234; p. 494.
- Railway-tie. J. McCourt. No. 1,214,339; Jan. 30; v. 234; p. 1499.
- Railway-tie. J. R. McCready. No. 1,243,084; Oct. 16; v. 243; p. 590.
- Railway-tie. F. L. Morris. No. 1,211,957; Jan. 9; v. 234; p. 581.
- Railway-tie. M. H. Pentz. No. 1,215,981; Feb. 13; v. 235; p. 564.
- Railway-tie. W. F. Root. No. 1,245,974; Nov. 6; v. 244; p. 249.
- Railway-tie. F. C. Shearer. No. 1,229,153; June 5; v. 239; p. 261.
- Railway-tie. F. C. Shearer. No. 1,229,154; June 5; v. 239; p. 261.
- Railway-tie. D. H. Snyder. No. 1,233,413; July 17; v. 240; p. 687.
- Railway-tie. A. W. Tonn. No. 1,227,345; May 22; v. 238; p. 1234.
- Railway-tie. W. H. Umbel. No. 1,222,819; Apr. 17; v. 237; p. 710.
- Railway-tie. W. Wadsworth. No. 1,229,832; June 12; v. 239; p. 541.
- Railway-tie. W. F. Walker. No. 1,250,734; Dec. 18; v. 245; p. 743.
- Railway-tie. R. Waples. No. 1,214,245; Jan. 30; v. 234; p. 1464.
- Railway-tie. M. L. Washburne. No. 1,248,581; Dec. 4; v. 245; p. 46.
- Railway-tie. R. J. Wells. No. 1,218,141; Mar. 6; v. 236; p. 88.
- Railway-tie and fastener. W. C. and L. D. Gregg. No. 1,230,703; June 19; v. 239; p. 864.
- Railway-tie and fastener. F. P. Hunkle. No. 1,217,767; Feb. 27; v. 235; p. 1282.
- Railway-tie and fastener. H. S. Isham. No. 1,219,319; Mar. 13; v. 236; p. 534.
- Railway-tie and fastener. A. A. Jensen. No. 1,221,330; Apr. 3; v. 237; p. 116.
- Railway-tie and fastener. J. G. Snyder. No. 1,227,083; May 22; v. 238; p. 1148.
- Railway-tie and fastener. F. Wajda. No. 1,249,855; Dec. 11; v. 245; p. 447.
- Railway-tie and fastener. C. H. Wise. No. 1,249,876; Dec. 11; v. 245; p. 451.
- Railway-tie and making same, Composition. P. S. Lietz. No. 1,250,194; Dec. 18; v. 245; p. 582.
- Railway-tie and means for fastening the rails on the ties. F. Baurichter. No. 1,220,490; Mar. 27; v. 236; p. 1013.
- Railway-tie and rail-fastener. A. Davis. No. 1,216,217; Feb. 13; v. 235; p. 649.
- Railway-tie and rail-fastener. P. Semancik. No. 1,250,366; Dec. 18; v. 245; p. 633.
- Railway-tie and rail-fastener, Metallic. S. Madjar. No. 1,247,124; Nov. 20; v. 244; p. 655.
- Railway-tie and rail-fastenings. C. A. Cox. No. 1,244,176; Oct. 23; v. 243; p. 952.
- Railway-tie and rail-fastening. J. F. Hawley. No. 1,218,554; Mar. 6; v. 236; p. 229.
- Railway-tie and rail-fastening means. V. O. Karn. No. 1,232,565; July 10; v. 240; p. 374.
- Railway-tie and rail-grip. J. E. Langford. No. 1,227,636; May 29; v. 238; p. 1359.
- Railway-tie, Composite. S. Taylor. No. 1,231,669; July 3; v. 240; p. 45.
- Railway-tie, Composite. J. D. Thomas. No. 1,248,752; Dec. 4; v. 245; p. 96.
- Railway-tie, Concrete. H. Besser. No. 1,217,555; Feb. 27; v. 235; p. 1210.
- Railway-tie, Concrete. L. Duncan. No. 1,227,405; May 22; v. 238; p. 1252.
- Railway-tie, Concrete. E. N. Goodlett. No. 1,225,325; May 8; v. 238; p. 473.
- Railway-tie fastener. C. Weaner. No. 1,220,035; Mar. 20; v. 236; p. 813.
- Railway-tie, Laminated. J. Strzyczkowski. No. 1,219,503; Mar. 20; v. 236; p. 628.
- Railway-tie, Metallic. F. E. French. No. 1,213,612; Jan. 23; v. 234; p. 1219.
- Railway-tie, Metallic. S. V. Fullaway, Sr. No. 1,219,541; Mar. 20; v. 236; p. 642.
- Railway-tie, Metallic. A. Neiswender. No. 1,223,895; Apr. 24; v. 237; p. 1116.
- Railway-tie, Metallic. G. R. Reeves. No. 1,231,427; June 26; v. 239; p. 1147.
- Railway-tie, Metallic. S. S. Snyder. No. 1,222,811; Apr. 17; v. 237; p. 707.
- Railway-tie plate. F. McLean. No. 1,226,096; May 15; v. 238; p. 777.
- Railway-tie plate. E. G. Teichart. No. 1,237,259; Aug. 14; v. 241; p. 588.
- Railway-tie plate. C. D. Young. No. 1,242,300; Oct. 9; v. 243; p. 305.
- Railway-tie, Reinforced. A. Stark. No. 1,216,873; Feb. 20; v. 235; p. 928.
- Railway-tie, Reinforced-concrete. L. Green. No. 1,214,298; Jan. 30; v. 234; p. 1485.
- Railway-tie, Reinforced-concrete. L. Kidd. No. 1,239,402; Sept. 4; v. 242; p. 217.
- Railway-tie, Reversible. H. Harsh. No. 1,242,184; Oct. 9; v. 243; p. 268.
- Railway-ties, Machine for grooving and boring. A. Collet. No. 1,210,908; Jan. 2; v. 234; p. 183.
- Railway-tongs. C. H. Luthman. No. 1,231,035; June 26; v. 239; p. 1015.
- Railway-track appliance. J. W. Thomas. No. 1,227,857; May 29; v. 238; p. 1436.
- Railway-track cleaner. F. L. Warner. No. 1,211,902; Jan. 9; v. 234; p. 559.
- Railway-track construction. C. M. Bowman. No. 1,213,580; Jan. 23; v. 234; p. 1209.
- Railway-track construction. F. J. Lyons. No. 1,249,147; Dec. 4; v. 245; p. 207.
- Railway-track curves, Inner rail for. J. W. McManama. No. 1,239,927; Sept. 11; v. 242; p. 415.
- Railway-track gage. R. J. Lewis. No. 1,239,192; Sept. 4; v. 242; p. 150.
- Railway-track sand-remover. J. B. Kelly. No. 1,222,213; Apr. 10; v. 237; p. 455.
- Railway track-scale. A. H. Emery. No. 1,222,271; Apr. 10; v. 237; p. 476.
- Railway track-scale. L. R. Rosebrook. No. 1,233,281; July 10; v. 240; p. 606.
- Railway-track trip. J. Culton. No. 1,241,712; Oct. 2; v. 243; p. 78.
- Railway-track truss. D. Finkelstein. No. 1,233,861; July 17; v. 240; p. 833.
- Railway-track weed-cutter. G. S. Webster. No. 1,238,855; Sept. 4; v. 242; p. 43.
- Railway-tracks, &c., Means for lubricating and cleaning. T. E. Hill and J. J. Millett. No. 1,211,845; Jan. 9; v. 234; p. 538.
- Railway-tracks, Spring-controlled split switch for. F. D. Evans. No. 1,239,262; Sept. 4; v. 242; p. 174.
- Railway-traffic-control apparatus. J. F. Coleman. No. 1,230,868; June 26; v. 239; p. 957.
- Railway-traffic-control apparatus. J. P. Coleman. No. 1,238,889; Sept. 4; v. 242; p. 54.
- Railway-traffic-control apparatus. B. F. Wooding. No. 1,216,038; Feb. 13; v. 235; p. 585.
- Railway-traffic-control equipment. B. F. Wooding. No. 1,211,995; Jan. 9; v. 234; p. 593.
- Railway-traffic-controlling apparatus. J. P. Coleman. No. 1,238,887; Sept. 4; v. 242; p. 53.
- Railway-traffic-controlling apparatus. J. P. Coleman. No. 1,238,888; Sept. 4; v. 242; p. 54.
- Railway-traffic-controlling apparatus. L. V. Lewis. No. 1,217,787; Feb. 27; v. 235; p. 1289.
- Railway-traffic-controlling apparatus. J. D. Taylor. No. 1,211,788; Jan. 9; v. 234; p. 516.
- Railway-traffic-controlling apparatus. P. Utne. No. 1,233,729; July 17; v. 240; p. 790.
- Railway-traffic-controlling system. A. V. T. Day. No. 1,213,162; Jan. 23; v. 234; p. 1062.
- Railway-traffic-controlling system and apparatus. M. H. Loughridge. No. 1,242,456; Oct. 9; v. 243; p. 354.
- Railway-train-stopping system, Automatic electrically controlled. J. W. Williams. No. 1,237,594; Aug. 21; v. 241; p. 734.
- Railway-train time-indicator. H. W. Nusbaum. No. 1,221,366; Apr. 3; v. 237; p. 128.
- Railway-trains, Automatic air-coupling device for. C. L. Turner. P. E. Whitehead, and S. C. Clarke. No. 1,219,055; Mar. 13; v. 236; p. 444.
- Railway-trains, Automatic brake-actuating device for. R. Beloff. No. 1,230,098; June 19; v. 239; p. 662.
- Railway-trains, Automatic speed-controller for. L. E. Glenn. No. 1,218,395; Mar. 6; v. 236; p. 176.
- Railway-trains, Track apparatus for indicating the movements of. T. E. Clark. No. 1,242,144; Oct. 9; v. 243; p. 255.
- Railway trolley, Electric. E. Rosenwinkel and L. Papenbrok. No. 1,234,492; July 24; v. 240; p. 1073.
- Railway-turn-table safety mechanism. C. H. Quinn. No. 1,244,241; Oct. 23; v. 243; p. 973.
- Railway-vehicle. W. Cooper. (Reissue.) No. 14,350; Sept. 11; v. 242; p. 484.
- Railway-vehicle coupling. H. A. Hoke. No. 1,216,692; Feb. 20; v. 235; p. 866.
- Railway-vehicles, Apparatus for electric. J. L. Davis. No. 1,231,573; July 3; v. 240; p. 11.
- Railway-vehicles, Draft appliance for. E. L. Bradford and G. P. Ritter. No. 1,234,617; July 24; v. 240; p. 1112.
- Railway-vehicles, Draft appliance for. I. H. Milliken. No. 1,213,395; Jan. 23; v. 234; p. 1144.

- Railway-vehicles, Electric connection for. L. Boirault. No. 1,227,375; May 22; v. 238; p. 1243.
- Railway-vehicles, Fluid-pressure-controlling apparatus for. J. V. Lewis. No. 1,224,940; May 8; v. 238; p. 342.
- Railways and road constructions, Tie for. G. W. Dyarman. No. 1,226,646; May 22; v. 238; p. 997.
- Railways, Automatic safety-brake for. C. E. Coleston. No. 1,224,865; May 1; v. 238; p. 264.
- Railways, Automatic safety-gate for. V. T. Pressey. No. 1,237,091; Aug. 14; v. 241; p. 536.
- Railways, Change-over mechanism for electric. K. Smith. No. 1,232,864; July 10; v. 240; p. 473.
- Railways, Coupling device or apparatus for the vestibules or gangways of corridor rolling-stock for. W. G. Stephenson. No. 1,228,616; June 5; v. 239; p. 82.
- Railways, Electric signaling apparatus for. J. E. Colas. No. 1,233,029; July 10; v. 240; p. 525.
- Railways, Electric signaling system for. W. J. Higgins and C. J. Sheridan. No. 1,245,589; Nov. 6; v. 244; p. 136.
- Railways, Electric signaling system for electric. F. M. Raymond and C. H. Dare. No. 1,227,931; May 29; v. 238; p. 1460.
- Railways, Electrical bond for. F. W. Walker. No. 1,230,544; June 19; v. 239; p. 812.
- Railways, Electrical safety device for. G. E. Charron. No. 1,226,619; May 15; v. 238; p. 949.
- Railways, Message-transmitting device for. J. R. Little. No. 1,243,535; Oct. 16; v. 243; p. 723.
- Railways or track construction, Cross-tie for mine. E. Hutton. No. 1,223,171; Apr. 17; v. 237; p. 831.
- Railways or tramways, Token instruments for use on single-line. W. S. Roberts. No. 1,234,806; July 31; v. 240; p. 1204.
- Railways, Passenger-stile for. L. H. Stearns. No. 1,216,179; Feb. 13; v. 235; p. 636.
- Railways, Permanent way of. H. A. Rugeroni. No. 1,231,432; June 26; v. 239; p. 1148.
- Railways, Reversible ballast-spreading plow for. A. E. Allan. No. 1,232,748; July 10; v. 240; p. 436.
- Railways, Road-bed equipment for. J. D. Kneeder. No. 1,235,039; July 31; v. 240; p. 1278.
- Railways, Safety apparatus for. C. A. Brooks. No. 1,221,827; Apr. 10; v. 237; p. 319.
- Railways, Safety device for. C. A. Brooks. No. 1,221,826; Apr. 10; v. 237; p. 318.
- Railways, Stopping apparatus for. E. Juslin. No. 1,215,380; Feb. 13; v. 235; p. 347.
- Railways, System of distribution and control for electric. K. A. Simmon. No. 1,226,126; May 15; v. 238; p. 786.
- Railways, Track-scraper for street-. B. M. Bennett. No. 1,210,886; Jan. 2; v. 234; p. 175.
- Rain-alarm. C. Firman. No. 1,238,502; Aug. 28; v. 241; p. 1060.
- Rain-alarm. F. H. Hahne. No. 1,245,221; Nov. 6; v. 244; p. 24.
- Rain and wind signal. M. G. Hoeft. No. 1,213,642; Jan. 23; v. 234; p. 1229.
- Rain-coat, Ventilated. S. and F. Freedman. No. 1,223,863; Apr. 24; v. 237; p. 1104.
- Rain-indicator. B. Kole. No. 1,242,951; Oct. 16; v. 243; p. 547.
- Rain-signal. E. J. McManus. No. 1,217,036; Feb. 20; v. 235; p. 982.
- Rain-signal. F. A. Meng and L. G. Schrader. No. 1,234,063; July 17; v. 240; p. 806.
- Rainfall, Apparatus for recording approximate duration of. O. R. Rogers. No. 1,236,381; Aug. 7; v. 241; p. 270.
- Raisin and like cleaner, Duplex. T. H. Elliott. No. 1,246,572; Nov. 13; v. 244; p. 459.
- Raisin-cleaning machine. I. Tucker. No. 1,232,126; July 3; v. 240; p. 200.
- Raisin-curing apparatus. M. Burlew. No. 1,233,974; July 17; v. 240; p. 869.
- Raisin-drying process. G. C. Roeding. No. 1,245,031; Oct. 30; v. 243; p. 1250.
- Rake: *See*—
 Automobile hay-rake.
 Brush-rake.
 Hay-rake.
 Horse-rake.
 Lawn-rake.
 Revolving rake.
 Self-cleaning rake.
 Side-delivery rake.
 Stone-rake.
 Sweep-rake.
- Rake. W. C. Harrison. No. 1,232,539; July 10; v. 240; p. 366.
- Rake. A. Joslen. No. 1,224,551; May 1; v. 238; p. 157.
- Rake. W. Lutze. No. 1,217,322; Feb. 27; v. 235; p. 1125.
- Rake. T. R. Manderscheid. No. 1,212,790; Jan. 16; v. 234; p. 901.
- Rake. L. Meuler. No. 1,227,478; May 22; v. 238; p. 1276.
- Rake. C. W. Smith and C. M. Lamb. No. 1,239,735; Sept. 11; v. 242; p. 353.
- Rake. S. L. Stetson. No. 1,244,789; Oct. 30; v. 243; p. 1177.
- Rake and loader. W. A. Morrison. No. 1,237,543; Aug. 21; v. 241; p. 718.
- Rake and tedder, Combined. C. R. Straughn. No. 1,222,815; Apr. 17; v. 237; p. 708.
- Rake attachment, Hay-. R. Black. No. 1,239,763; Sept. 11; v. 242; p. 361.
- Rake-cleaner. G. E. Burdett. No. 1,230,664; June 19; v. 239; p. 852.
- Rakes, Cutting attachment for. E. F. Mittcovsbe. No. 1,213,230; Jan. 23; v. 234; p. 1086.
- Raker-gage. H. Alanson. No. 1,222,587; Apr. 17; v. 237; p. 629.
- Raking machine, Side-delivery hay-. J. and C. J. Bamford. No. 1,224,876; May 1; v. 238; p. 269.
- Ram, Hydraulic. J. E. Lester. No. 1,214,192; Jan. 30; v. 234; p. 1445.
- Ram, Hydraulic. L. G. Nilson. No. 1,249,462; Dec. 11; v. 245; p. 328.
- Ramming-machine, Jolt. E. M. Huggins. No. 1,242,351; Oct. 9; v. 243; p. 320.
- Range and gas-stove, Combined. C. F. Coda. No. 1,245,319; Nov. 6; v. 244; p. 53.
- Range, Combination-. C. F. Coda. No. 1,245,318; Nov. 6; v. 244; p. 53.
- Range, Combination-. R. Hogan. No. 1,225,248; May 8; v. 238; p. 444.
- Range, Combination coal and gas. W. Abigt and E. B. Leonard. No. 1,212,434; Jan. 16; v. 234; p. 774.
- Range, Combination coal and gas. H. C. Dietrich. No. 1,234,642; July 24; v. 240; p. 1120.
- Range, Combination coal and gas. M. R. Lehman. No. 1,231,391; June 26; v. 239; p. 1134.
- Range, Combination cooking-. W. F. Spieth. No. 1,231,087; June 26; v. 239; p. 1033.
- Range, Combination solid and liquid fuel. A. J. Linde-mann. No. 1,217,098; Feb. 20; v. 235; p. 1003.
- Range, Combined coal and gas. R. W. Davenport. No. 1,213,846; Jan. 30; v. 234; p. 1328.
- Range, Combined coal and gas. S. C. Rockman. No. 1,244,246; Oct. 23; v. 243; p. 975.
- Range, Combined coal and gas. G. Wilkinson and A. F. Harter. No. 1,251,153; Dec. 25; v. 245; p. 916.
- Range, Combined gas and coal. R. W. Davenport. No. 1,235,015; July 31; v. 240; p. 1271.
- Range, Combined gas and solid-fuel. G. A. Tinnerman. No. 1,217,531; Feb. 27; v. 235; p. 1201.
- Range-cover. L. K. Love. No. 1,240,745; Sept. 18; v. 242; p. 704.
- Range, Field-. M. Ilitz. No. 1,218,776; Mar. 13; v. 236; p. 347.
- Range-finder. A. C. Tubbs. No. 1,250,717; Dec. 18; v. 245; p. 738.
- Range-finder for use upon aerial vehicles or machines. W. Wait, Jr. No. 1,238,967; Sept. 4; v. 242; p. 79.
- Range-finders, Optical adjuster for. A. Barr and W. Stroud. No. 1,229,209; June 12; v. 239; p. 330.
- Range-finding arrangement. C. J. Harter. No. 1,242,686; Oct. 9; v. 243; p. 428.
- Range, Gas-. H. W. Hunter and M. W. Longfellow. No. 1,230,408; June 19; v. 239; p. 765.
- Range, Gas-burning. S. Martoccio. No. 1,215,679; Feb. 13; v. 235; p. 457.
- Range or cooking-stove, Combination coal and gas. G. W. Howes. No. 1,242,941; Oct. 16; v. 243; p. 543.
- Range, Steam-heating cooking-. I. P. Towler. No. 1,225,528; May 8; v. 238; p. 540.
- Ranges, &c., Gang-valve lock for gas-. D. N. Stevenson. No. 1,244,790; Oct. 30; v. 243; p. 1178.
- Ranges, Safety device for gas-. R. A. Mace. No. 1,236,327; Aug. 7; v. 241; p. 255.
- Rasp, Plaster-. P. Andersen. No. 1,216,915; Feb. 20; v. 235; p. 942.
- Rat and mouse trap. H. P. Haze. No. 1,245,911; Nov. 6; v. 244; p. 233.
- Rat-exterminator. C. Berg. No. 1,220,593; Mar. 27; v. 236; p. 1049.
- Rat-trap. T. V. Clapp. No. 1,234,629; July 24; v. 240; p. 1116.
- Rat-trap. J. T. Daniel. No. 1,222,606; Apr. 17; v. 237; p. 636.
- Rat-trap. W. Gill. No. 1,211,134; Jan. 2; v. 234; p. 258.
- Rat-trap. C. D. Ramsey. No. 1,222,795; Apr. 17; v. 237; p. 701.
- Rat-trap, Sanitary. W. H. Cushing. No. 1,226,641; May 22; v. 238; p. 996.
- Ratchet-drill. C. B. Groff. No. 1,233,344; July 17; v. 240; p. 662.
- Ratchet-drill. C. G. W. Nitz. No. 1,241,428; Sept. 25; v. 242; p. 950.
- Ratchet winding mechanism. H. J. Hennessy. No. 1,212,152; Jan. 9; v. 234; p. 644.
- Ratchet-wrench. R. F. Sedgley. No. 1,224,223; May 1; v. 238; p. 38.
- Ratchet-wrench, Expansion. S. Brown. No. 1,213,583; Jan. 23; v. 234; p. 1210.
- Ratchet-wrench, Reversible. J. H. Casper. No. 1,214,423; Jan. 30; v. 234; p. 1526.
- Rattle and toy, Nursery. H. E. Mathias. No. 1,223,507; Apr. 24; v. 237; p. 979.
- Ray control, Adjustable. E. A. Minetti and B. B. Briggs. No. 1,236,966; Aug. 14; v. 241; p. 496.
- Ray-filter holder. F. W. Barnes. No. 1,228,389; June 5; v. 239; p. 5.
- Ray-protector. J. Smith. No. 1,231,213; June 26; v. 239; p. 1076.
- Razor. H. D. Sterrick. No. 1,231,215; June 26; v. 239; p. 1076.
- Razor. G. H. Tuttle. No. 1,239,644; Sept. 11; v. 242; p. 323.

Alphabetical list of inventions—Continued.

- Razor. T. Watson. No. 1,216,381; Feb. 20; v. 235; p. 759.
 Razor and blade, Safety-. O. Goetzke. No. 1,221,004; Mar. 27; v. 236; p. 1186.
 Razor and hair-clipper, Combination safety-. J. H. Cox. No. 1,217,570; Feb. 27; v. 235; p. 1214.
 Razor and hair-cutter, Safety-. G. J. Carlisle. No. 1,227,548; May 22; v. 238; p. 1300.
 Razor attachment, Safety-. P. Chlesz. No. 1,219,625; Mar. 20; v. 236; p. 671.
 Razor blade and holder, Safety-. W. J. Donnelly. No. 1,217,288; Feb. 27; v. 235; p. 1113.
 Razor-blade holder. F. Bushey. No. 1,219,915; Mar. 20; v. 236; p. 772.
 Razor-blade holder. R. A. Johnstone. No. 1,212,956; Jan. 16; v. 234; p. 957.
 Razor-blade holder, Safety-. J. C. Poister. No. 1,213,133; Jan. 16; v. 234; p. 1018.
 Razor-blade-stropping apparatus. J. M. Tourtel. No. 1,240,514; Sept. 18; v. 242; p. 634.
 Razor blades, Combined handle and receptacle for safety-. W. E. O'Reilly. No. 1,228,698; June 5; v. 239; p. 110.
 Razor blades, Device for cleaning or drying safety-. E. G. Wallinder. No. 1,242,893; Oct. 9; v. 243; p. 493.
 Razor blades, Honing-machine for safety-. R. D'Amato. No. 1,213,339; Jan. 23; v. 234; p. 1124.
 Razor-blades, Machine for setting and stropping. A. W. Smith. No. 1,231,802; July 3; v. 240; p. 90.
 Razor, Corn-. R. Marx. No. 1,239,419; Sept. 4; v. 242; p. 222.
 Razor-guard. W. C. Bridges. No. 1,247,787; Nov. 27; v. 244; p. 881.
 Razor-handle. J. A. Stubblefield and R. R. Thompson. No. 1,214,609; Feb. 6; v. 235; p. 45.
 Razor honing and strop, Combined. T. C. Vinson. No. 1,242,746; Oct. 9; v. 243; p. 447.
 Razor-honing machine. J. Kayetan and H. Evenson. No. 1,217,608; Feb. 27; v. 235; p. 1228.
 Razor, Rotary. J. W. Halterman. No. 1,247,828; Nov. 27; v. 244; p. 892.
 Razor, Safety-. C. Ballreich. No. 1,246,219; Nov. 13; v. 244; p. 351.
 Razor, Safety-. F. R. Belt. No. 1,250,775; Dec. 18; v. 245; p. 754.
 Razor, Safety-. C. R. Burke. No. 1,249,021; Dec. 4; v. 245; p. 172.
 Razor, Safety-. P. Buscemi. No. 1,236,262; Aug. 7; v. 241; p. 235.
 Razor, Safety-. A. B. Carroll. No. 1,241,921; Oct. 2; v. 243; p. 145.
 Razor, Safety-. M. Cecil. No. 1,225,409; May 8; v. 238; p. 502.
 Razor, Safety-. S. W. Charles. No. 1,216,944; Feb. 20; v. 235; p. 951.
 Razor, Safety-. F. F. Dorsey. No. 1,230,833; June 19; v. 239; p. 906.
 Razor, Safety-. F. F. Dorsey. No. 1,239,577; Sept. 11; v. 242; p. 302.
 Razor, Safety-. C. O. Engstrom. No. 1,226,322; May 15; v. 238; p. 856.
 Razor, Safety-. L. J. Fay. No. 1,232,519; July 10; v. 240; p. 360.
 Razor, Safety-. J. J. Fitzgerald. No. 1,238,751; Sept. 4; v. 242; p. 10.
 Razor, Safety-. F. A. Fuller. No. 1,220,837; Mar. 27; v. 236; p. 1132.
 Razor, Safety-. H. B. Hartman. No. 1,247,266; Nov. 20; v. 244; p. 696.
 Razor, Safety-. H. B. Hartman. No. 1,247,267; Nov. 20; v. 244; p. 696.
 Razor, Safety-. H. B. Hartman. No. 1,247,268; Nov. 20; v. 244; p. 697.
 Razor, Safety-. G. M. Hiskey. No. 1,226,614; May 15; v. 238; p. 947.
 Razor, Safety-. H. G. Lutz. No. 1,221,065; Apr. 3; v. 237; p. 21.
 Razor, Safety-. A. Maszczyk. No. 1,227,641; May 29; v. 238; p. 1361.
 Razor, Safety-. E. L. McCain. No. 1,235,040; July 31; v. 240; p. 1278.
 Razor, Safety-. W. J. Myatt. No. 1,233,105; July 10; v. 240; p. 550.
 Razor, Safety-. C. H. Seitz. No. 1,247,581; Nov. 20; v. 244; p. 785.
 Razor, Safety-. D. E. Tela. No. 1,238,069; Aug. 21; v. 241; p. 885.
 Razor, Safety-. L. F. Warren. No. 1,234,834; July 31; v. 240; p. 1211.
 Razor, Safety-. L. F. Warren. No. 1,250,398; Dec. 18; v. 245; p. 642.
 Razor, Safety-. I. N. Weber. No. 1,245,646; Nov. 6; v. 244; p. 153.
 Razor-strop. J. H. MacBride. No. 1,244,754; Oct. 30; v. 243; p. 1167.
 Razor-strop holder. H. T. Childress. No. 1,243,710; Oct. 23; v. 243; p. 810.
 Razor-stropper. W. S. Jones. No. 1,244,095; Oct. 23; v. 243; p. 930.
 Razor-stropper. B. Trosky. No. 1,213,556; Jan. 23; v. 234; p. 1200.
 Razor-stropper. B. Trosky. No. 1,229,826; June 12; v. 239; p. 538.
 Razors, Illuminating attachment for. K. E. Allport. No. 1,223,805; Apr. 17; v. 237; p. 873.
 Razors or the like, Strop or sharpener for. G. A. Bader. No. 1,244,279; Oct. 23; v. 243; p. 986.
 Reactance-coil. P. Torchio and H. R. Woodrow. No. 1,235,081; July 31; v. 240; p. 1290.
 Reactance-coil, Limiting. J. F. Peters. No. 1,241,549; Oct. 2; v. 243; p. 26.
 Reactance-coils, Ventilating means for. L. W. Chubb. No. 1,236,675; Aug. 14; v. 241; p. 402.
 Reading device. J. F. Ancona. No. 1,248,779; Dec. 4; v. 245; p. 104.
 Reading device. J. F. and J. F. Ancona. No. 1,248,780; Dec. 4; v. 245; p. 104.
 Reamer. S. A. Cogsdill. No. 1,214,649; Feb. 6; v. 235; p. 59.
 Reamer. W. H. Frick. No. 1,233,044; July 10; v. 240; p. 531.
 Reamer. W. H. Frick. No. 1,233,045; July 10; v. 240; p. 531.
 Reamer. W. H. Frick. No. 1,234,003; July 17; v. 240; p. 878.
 Reamer. W. H. Frick. No. 1,241,953; Oct. 2; v. 243; p. 154.
 Reamer. W. H. Frick. No. 1,243,502; Oct. 16; v. 243; p. 714.
 Reamer. A. C. Hoeh. No. 1,218,862; Mar. 13; v. 236; p. 380.
 Reamer. W. E. Kelly. No. 1,246,607; Nov. 13; v. 244; p. 470.
 Reamer. F. P. Miller. No. 1,244,227; Oct. 23; v. 243; p. 970.
 Reamer. W. L. Santmyers and R. L. Hepner. No. 1,217,834; Feb. 27; v. 235; p. 1305.
 Reamer. J. Witanowski. No. 1,217,256; Feb. 27; v. 235; p. 1103.
 Reamer, Adjustable. G. B. Chadwick. No. 1,210,904; Jan. 2; v. 234; p. 181.
 Reamer, Adjustable. S. H. Norton. No. 1,250,630; Dec. 18; v. 245; p. 712.
 Reamer and arbor therefor, Expansion-shell. A. Alexander. No. 1,210,391; Jan. 2; v. 234; p. 3.
 Reamer and die, Combination. C. H. Stahl and H. C. Johnson. No. 1,235,074; July 31; v. 240; p. 1288.
 Reamer and similar tool, Adjustable. G. B. Chadwick. No. 1,240,311; Sept. 18; v. 242; p. 570.
 Reamer and tap holder, Floating. J. E. Sheuman. No. 1,244,648; Oct. 30; v. 243; p. 1134.
 Reamer, Expandible. W. L. Santmyers and R. L. Hepner. No. 1,217,833; Feb. 27; v. 235; p. 1305.
 Reamer, Expandible. C. O. Schellenbach. No. 1,241,668; Oct. 2; v. 243; p. 64.
 Reamer having detachable blades. G. B. Chadwick. No. 1,210,903; Jan. 2; v. 234; p. 181.
 Reamer holder, Adjustable floating. R. Railton. No. 1,222,466; Apr. 10; v. 237; p. 546.
 Reamers, Regrinding. J. C. Glenzer. No. 1,214,671; Feb. 6; v. 235; p. 67.
 Reapers, Switch-controlling mechanism for self-rake. L. Holland-Letz. No. 1,227,788; May 29; v. 238; p. 1412.
 Reapers, Switch-controlling mechanism for self-rake. L. Holland-Letz. No. 1,229,616; June 12; v. 239; p. 469.
 Rear-sight bolt-action military arm. T. C. Johnson. No. 1,225,640; May 8; v. 238; p. 578.
 Rebound-check. W. A. Finley. No. 1,250,829; Dec. 18; v. 245; p. 771.
 Rebound-governor, Automatic. E. M. Staples. No. 1,211,981; Jan. 9; v. 234; p. 588.
 Rebound-snubber. H. E. Wright. No. 1,214,403; Jan. 30; v. 234; p. 1520.
 Receipt-cutter. H. M. Rasmusson. No. 1,236,484; Aug. 14; v. 241; p. 338.
 Receipt, way-bill, and delivery-record book for express companies, Manifold. W. L. Henry. No. 1,221,988; Apr. 10; v. 237; p. 377.
 Receiver-case. H. C. Egerton. No. 1,232,515; July 10; v. 240; p. 359.
 Receiving and positioning work-pieces or finished articles, Method of and device or means for. L. F. Dieter. No. 1,243,053; Oct. 16; v. 243; p. 580.
 Receiving, discharging, and conveying device, Combined. E. W. Shutt. No. 1,218,908; Mar. 13; v. 236; p. 395.
 Receiving-tank and pump-governor, Combined. F. C. Farnsworth. No. 1,216,427; Feb. 20; v. 235; p. 775.
 Receptacle. E. G. K. Anderson. No. 1,245,305; Nov. 6; v. 244; p. 49.
 Receptacle. A. C. Bering, Jr. No. 1,240,927; Sept. 25; v. 242; p. 796.
 Receptacle. N. R. Clifton. No. 1,218,524; Mar. 6; v. 236; p. 219.
 Receptacle. A. Deginder. No. 1,249,910; Dec. 11; v. 245; p. 461.
 Receptacle. W. R. Fairbanks. No. 1,219,091; Mar. 13; v. 236; p. 456.
 Receptacle. E. Gemeinder. No. 1,220,975; Mar. 27; v. 236; p. 1176.
 Receptacle. C. W. Headley. No. 1,231,022; June 26; v. 239; p. 1011.
 Receptacle. J. Hill. No. 1,213,102; Jan. 16; v. 234; p. 1008.
 Receptacle. H. N. Jackson. No. 1,217,948; Mar. 6; v. 236; p. 22.
 Receptacle. F. B. Johnson. No. 1,244,338; Oct. 23; v. 243; p. 1003.
 Receptacle. H. R. Jones. No. 1,245,925; Nov. 6; v. 244; p. 237.

- Receptacle. A. E. Kroseng. No. 1,216,330; Feb. 20; v. 235; p. 739.
- Receptacle. M. M. Loomam. No. 1,213,116; Jan. 16; v. 234; p. 1013.
- Receptacle. W. W. and C. G. McClay. No. 1,243,315; Oct. 16; v. 243; p. 659.
- Receptacle. W. H. McNutt. No. 1,235,987; Aug. 7; v. 241; p. 150.
- Receptacle. F. P. Meyer. No. 1,239,204; Sept. 4; v. 242; p. 154.
- Receptacle. H. Y. Norwood. No. 1,236,471; Aug. 14; v. 241; p. 334.
- Receptacle. J. E. P. Pender. No. 1,243,211; Oct. 16; v. 243; p. 628.
- Receptacle. C. W. Robison. No. 1,228,824; June 5; v. 239; p. 153.
- Receptacle. M. N. Ross. No. 1,216,502; Feb. 20; v. 235; p. 801.
- Receptacle. C. Scudder. No. 1,228,063; May 29; v. 238; p. 1506.
- Receptacle. J. J. Snigo. No. 1,216,869; Feb. 20; v. 235; p. 926.
- Receptacle. E. E. Thorsell. No. 1,245,399; Nov. 6; v. 244; p. 77.
- Receptacle. H. F. Watson. No. 1,212,428; Jan. 16; v. 234; p. 772.
- Receptacle. L. R. Zifferer. No. 1,247,058; Nov. 20; v. 244; p. 636.
- Receptacle and handle therefor. J. B. Miller. No. 1,236,589; Aug. 14; v. 241; p. 372.
- Receptacle and making same. Roll-top. F. P. McColl. No. 1,251,067; Dec. 25; v. 245; p. 891.
- Receptacle and mounting therefor. B. D. Coppage. No. 1,235,115; July 31; v. 240; p. 1300.
- Receptacle and welding the same. Metallic. F. G. Wacker. No. 1,222,165; Apr. 10; v. 237; p. 438.
- Receptacle-capping machinery. W. E. Heath. No. 1,233,468; July 17; v. 240; p. 705.
- Receptacle-casing and fly-trap. Combined. G. H. Sipp. No. 1,249,528; Dec. 11; v. 245; p. 349.
- Receptacle-closure. J. Alberti. No. 1,234,711; July 31; v. 240; p. 1176.
- Receptacle-closure. D. Bloom. No. 1,247,924; Nov. 27; v. 244; p. 919.
- Receptacle-closure. B. F. Freeman. No. 1,220,085; Mar. 20; v. 236; p. 831.
- Receptacle-closure. A. F. Jeffries. No. 1,226,524; May 15; v. 238; p. 919.
- Receptacle-closure. C. R. Keeran. No. 1,226,532; May 15; v. 238; p. 922.
- Receptacle-closure lock. G. R. Napier. No. 1,230,316; June 19; v. 239; p. 736.
- Receptacle-collapsible. T. J. Aldridge. No. 1,232,162; July 3; v. 240; p. 212.
- Receptacle, Collapsible. E. E. Brumbaugh. No. 1,240,817; Sept. 25; v. 242; p. 760.
- Receptacle-cover. K. Hulme. No. 1,249,096; Dec. 4; v. 245; p. 193.
- Receptacle-cover. J. F. Mullaney. No. 1,213,400; Jan. 23; v. 234; p. 1145.
- Receptacle-cover and insect-trap. Combined. F. D. Meade. No. 1,212,660; Jan. 16; v. 234; p. 856.
- Receptacle, Covered. L. J. Davis. No. 1,234,638; July 24; v. 240; p. 1118.
- Receptacle, Covered. C. H. Kors. No. 1,232,936; July 10; v. 240; p. 497.
- Receptacle, Electrical. R. B. Benjamin. No. 1,246,846; Nov. 20; v. 244; p. 575.
- Receptacle-filler. L. J. Wilber. No. 1,226,042; May 15; v. 238; p. 753.
- Receptacle-filling machine. C. Drolet, Sr. No. 1,228,416; June 5; v. 239; p. 14.
- Receptacle, Fluid-. C. L. Stohs and G. R. Funke. No. 1,226,024; May 15; v. 238; p. 751.
- Receptacle, Folding. E. E. Pinkerton. No. 1,243,626; Oct. 16; v. 243; p. 751.
- Receptacle for an article of food. D. Bloom. No. 1,232,485; July 10; v. 240; p. 349.
- Receptacle for containing foods and the like. T. L. Myerscough. No. 1,234,683; July 24; v. 240; p. 1132.
- Receptacle for meals. Heated. J. E. Helmerl. No. 1,227,782; May 29; v. 238; p. 1410.
- Receptacle-frame. F. L. Randolph. No. 1,222,991; Apr. 17; v. 237; p. 768.
- Receptacle, Knockdown. S. E. Winship. No. 1,231,977; July 3; v. 240; p. 147.
- Receptacle lid or cover. F. Pascall. No. 1,251,413; Dec. 25; v. 245; p. 992.
- Receptacle-lining. E. H. Vavra. No. 1,218,723; Mar. 13; v. 236; p. 327.
- Receptacle, Metal. F. Shaffer. No. 1,215,724; Feb. 13; v. 235; p. 472.
- Receptacle or container. I. Naylor and H. B. Ruggles. No. 1,226,359; May 15; v. 238; p. 868.
- Receptacle, Packaging-. B. M. Eaton. No. 1,242,534; Oct. 9; v. 243; p. 378.
- Receptacle, Paper-lined. H. Hill. No. 1,213,194; Jan. 23; v. 234; p. 1073.
- Receptacle, Parcels-. G. H. C. Williams and R. H. Libbey. No. 1,248,584; Dec. 4; v. 245; p. 47.
- Receptacle, Pocketed. W. B. Smith. No. 1,226,919; May 22; v. 238; p. 1090.
- Receptacle, Safety-. G. M. Falck. No. 1,243,498; Oct. 16; v. 243; p. 712.
- Receptacle, Safety delivery-. A. J. Kennedy. No. 1,219,328; Mar. 13; v. 236; p. 537.
- Receptacle, Sanitary. M. L. and R. E. Reid. No. 1,219,152; Mar. 13; v. 236; p. 478.
- Receptacle, Self-closing. A. Edwards. No. 1,238,993; Sept. 4; v. 242; p. 88.
- Receptacle, Sheet-metal. C. J. Chapman. No. 1,234,730; July 31; v. 240; p. 1182.
- Receptacle, Spring-closing. R. O. Myers and J. A. Kell. No. 1,219,029; Mar. 13; v. 236; p. 436.
- Receptacle-support. C. T. Moon. No. 1,238,320; Aug. 28; v. 241; p. 1001.
- Receptacle, Universal. L. O. Lieber. No. 1,231,760; July 3; v. 240; p. 75.
- Receptacle, Waste-. C. C. Brown. No. 1,237,016; Aug. 14; v. 241; p. 512.
- Receptacles, Apparatus for connecting the bodies and lids of pressed sheet-metal. G. W. Berry. No. 1,219,428; Mar. 20; v. 236; p. 603.
- Receptacles, Closure for rubber. T. Rowe. No. 1,220,006; Mar. 20; v. 236; p. 802.
- Receptacles, Hinging of sheet-metal. G. W. Berry. No. 1,235,640; Aug. 7; v. 241; p. 36.
- Receptacles, Means for manufacturing. L. R. N. Carvalho. No. 1,243,486; Oct. 16; v. 243; p. 708.
- Reciprocating engine. C. M. Booth. No. 1,222,923; Apr. 17; v. 237; p. 745.
- Reciprocating engine. M. J. Miller and H. M. Neer. No. 1,245,257; Nov. 6; v. 244; p. 34.
- Reciprocatory elements, Operating means for. P. J. Dreher. No. 1,233,326; July 17; v. 240; p. 657.
- Reciprocatory elements, Operating means for. P. J. Dreher. No. 1,233,327; July 17; v. 240; p. 657.
- Reciprocatory elements, Operating means for. P. J. Dreher. No. 1,233,328; July 17; v. 240; p. 658.
- Reclining-chair. G. Francis. No. 1,249,609; Dec. 11; v. 245; p. 371.
- Reclining-chair. I. V. Myers. No. 1,231,414; June 26; v. 239; p. 1143.
- Reclining-chair. G. W. Slyter. No. 1,233,927; July 17; v. 240; p. 854.
- Recoil-pad. P. J. Krueger. No. 1,246,117; Nov. 13; v. 244; p. 321.
- Record-blank, Celluloid. T. A. Edison. No. 1,234,450; July 24; v. 240; p. 1060.
- Record-blank, Celluloid. T. A. Edison. No. 1,248,468; Dec. 4; v. 245; p. 12.
- Record-blanks, Carbon-holder for. G. T. Gillette. No. 1,249,615; Dec. 11; v. 245; p. 373.
- Record-cards, Rack and stand for. J. Powers. No. 1,250,220; Dec. 18; v. 245; p. 589.
- Record-controlling mechanism. H. A. Myers. No. 1,224,092; Apr. 24; v. 237; p. 1180.
- Record-disks, Centering-director for. J. M. W. Kitchen. No. 1,226,674; May 22; v. 238; p. 1007.
- Record-holder. F. Huizdill. No. 1,233,578; July 17; v. 240; p. 743.
- Record-keeping device. O. Frazer. No. 1,243,726; Oct. 23; v. 243; p. 816.
- Records for simultaneous reproduction, Apparatus for producing companion auditory and visual. E. H. Amet. No. 1,221,407; Apr. 3; v. 237; p. 143.
- Recorder. See—
Maximum-demand recorder. Telephone-recorder.
Phonograph-recorder. Telephone electric recorder.
Road-recorder. Time-recorder.
Speed-recorder. Vibration-recorder.
- Recorder. C. W. Berry. No. 1,216,272; Feb. 20; v. 235; p. 719.
- Recorder. J. W. Bryce. No. 1,238,254; Aug. 28; v. 241; p. 979.
- Recorder. R. E. Hall. No. 1,213,356; Jan. 23; v. 234; p. 1131.
- Recorder. W. Hess, Jr. No. 1,211,703; Jan. 9; v. 234; p. 487.
- Recorder. F. L. Martindale. No. 1,244,113; Oct. 23; v. 243; p. 935.
- Recorder. M. Perreten. No. 1,232,389; July 3; v. 240; p. 283.
- Recorder. C. H. Richards. No. 1,248,716; Dec. 4; v. 245; p. 86.
- Recorder. E. Stont and W. Haist. No. 1,247,737; Nov. 27; v. 244; p. 865.
- Recorder reproducer device. C. E. Woods. No. 1,218,918; Mar. 13; v. 236; p. 398.
- Recording and measuring device. E. S. Cole. No. 1,236,911; Aug. 14; v. 241; p. 478.
- Recording apparatus. J. W. Clise. No. 1,230,997; June 26; v. 239; p. 1003.
- Recording apparatus. M. Seidler. No. 1,211,491; Jan. 9; v. 234; p. 415.
- Recording apparatus and device. J. R. Peirce. No. 1,219,765; Mar. 20; v. 236; p. 718.
- Recording apparatus, Driving mechanism for. J. T. Wallis. No. 1,228,724; June 5; v. 239; p. 119.
- Recording depository. J. F. Ohmer. No. 1,210,972; Jan. 2; v. 234; p. 205.
- Recording device. J. T. Quigley. No. 1,249,193; Dec. 4; v. 245; p. 221.
- Recording-lock. B. H. Ziebler and J. C. Dawley. No. 1,212,598; Jan. 16; v. 234; p. 832.
- Recording-machine. C. Gardner. No. 1,223,379; Apr. 24; v. 237; p. 931.

Alphabetical list of inventions—Continued.

- Recording-machine. J. R. Peirce. No. 1,245,500; Nov. 6; v. 244; p. 106.
- Recording-machine. J. T. Quigley. No. 1,249,192; Dec. 4; v. 245; p. 220.
- Recording mechanism. F. M. Luchs and A. Ruckstahl. No. 1,247,850; Nov. 27; v. 244; p. 899.
- Recording or listing items on cards, Machine for. J. R. Peirce. No. 1,248,902; Dec. 4; v. 245; p. 140.
- Recording system and apparatus. A. Avrin. No. 1,210,752; Jan. 2; v. 234; p. 128.
- Recording the condition of apparatus, System for. A. Nicol. No. 1,240,763; Sept. 18; v. 242; p. 710.
- Recreation and amusement purposes, Apparatus for. G. Baker and J. A. Fletcher. No. 1,236,039; Aug. 7; v. 241; p. 167.
- Rectal applicator. C. T. Sappington. No. 1,218,478; Mar. 6; v. 236; p. 203.
- Rectal plug. A. S. McCleary. No. 1,244,751; Oct. 30; v. 243; p. 1166.
- Rectification system. A. P. Haase and F. D. Pearne. No. 1,237,638; Aug. 21; v. 241; p. 748.
- Rectifier. D. M. Bliss. No. 1,234,439; July 24; v. 240; p. 1057.
- Rectifier. H. E. Burket. No. 1,243,807; Oct. 23; v. 243; p. 843.
- Rectifier. J. M. Fitzgerald. No. 1,211,694; Jan. 9; v. 234; p. 484.
- Rectifier. H. A. Mulvany and H. E. Kennedy. No. 1,251,269; Dec. 25; v. 245; p. 950.
- Rectifier. E. J. Pace. No. 1,217,877; Feb. 27; v. 235; p. 1318.
- Rectifier. G. W. Pickard. No. 1,225,852; May 15; v. 238; p. 693.
- Rectifier. H. K. Sandell. No. 1,238,443; Aug. 28; v. 241; p. 1041.
- Rectifier. H. K. Sandell. No. 1,242,600; Oct. 9; v. 243; p. 401.
- Rectifier. A. Wehmeier. No. 1,247,759; Nov. 27; v. 244; p. 871.
- Rectifier and the motor thereof. H. K. Sandell. No. 1,242,601; Oct. 9; v. 243; p. 402.
- Rectifier, Mechanical. F. Adsit. No. 1,212,874; Jan. 16; v. 234; p. 929.
- Rectifier system. A. L. Atherton. No. 1,214,116; Jan. 30; v. 234; p. 1421.
- Rectifier system. S. W. Farnsworth. No. 1,236,385; Aug. 7; v. 241; p. 271.
- Rectifying apparatus. G. H. White. No. 1,235,746; Aug. 7; v. 241; p. 69.
- Rectifying device. C. C. Ruprecht. No. 1,222,803; Apr. 17; v. 237; p. 704.
- Rectifying system. E. F. Sipher. No. 1,235,607; Aug. 7; v. 241; p. 26.
- Rectifying system, Multiphase. C. L. Fortescue. No. 1,241,505; Oct. 2; v. 243; p. 9.
- Recuperative furnace. S. B. Russell. No. 1,251,426; Dec. 25; v. 245; p. 996.
- Reducer, Combination front and back. F. Klass. No. 1,218,414; Mar. 6; v. 236; p. 183.
- Reducing-mill. H. E. Brunner and L. S. Cope. No. 1,211,397; Jan. 9; v. 234; p. 383.
- Reed. A. W. Ojerholm. No. 1,214,948; Feb. 6; v. 235; p. 163.
- Reed articles, Producing woven. M. B. Lloyd. No. 1,243,079; Oct. 16; v. 243; p. 589.
- Reed articles, Producing woven. M. B. Lloyd. No. 1,243,080; Oct. 16; v. 243; p. 590.
- Reed articles, Producing woven. M. B. Lloyd. No. 1,243,081; Oct. 16; v. 243; p. 590.
- Reed articles, Producing woven. M. B. Lloyd. No. 1,243,082; Oct. 16; v. 243; p. 590.
- Reed-holder. G. O. Knapp. No. 1,229,757; June 12; v. 239; p. 514.
- Reel—See—
- Chain-reel. Harvester-reel.
- Chalk-line reel. Hose-reel.
- Clothes-reel. Line-reel.
- Clothes-line reel. Picture-machine reel.
- Contact-reel. Ribbon-reel.
- Drop-cord-extension reel. Straw-braid reel.
- Electric-conductor reel. Wire-reel.
- Film-reel. Yarn-holding reel.
- Fishing-reel.
- Reel. H. P. Allen. No. 1,229,697; June 12; v. 239; p. 495.
- Reel. V. A. Cederborg. No. 1,216,255; Feb. 13; v. 235; p. 662.
- Reel. A. Heim. No. 1,214,031; Jan. 30; v. 234; p. 1393.
- Reel. E. V. Lawrence. No. 1,225,658; May 8; v. 238; p. 584.
- Reel. H. J. Leach. No. 1,214,190; Jan. 30; v. 234; p. 1444.
- Reel. A. E. Robold. No. 1,232,085; July 3; v. 240; p. 186.
- Reel. A. F. Schroeder. No. 1,243,450; Oct. 16; v. 243; p. 697.
- Reel. F. Weber. No. 1,237,730; Aug. 21; v. 241; p. 778.
- Reel for rewinding measured lengths of textile fabrics. J. C. Gebhart. No. 1,220,974; Mar. 27; v. 236; p. 1175.
- Reel-holder. C. V. Bates. No. 1,220,169; Mar. 27; v. 236; p. 899.
- Reeling device. J. Zwilling. No. 1,247,358; Nov. 20; v. 244; p. 722.
- Reflecting apparatus. J. I. Kumauchi. No. 1,226,537; May 15; v. 238; p. 924.
- Reflector. A. Ames, Jr. No. 1,216,912; Feb. 20; v. 235; p. 940.
- Reflector. A. Ames, Jr. No. 1,216,913; Feb. 20; v. 235; p. 941.
- Reflector. R. B. Benjamin. No. 1,238,483; Aug. 28; v. 241; p. 1054.
- Reflector. R. B. Benjamin. No. 1,238,484; Aug. 28; v. 241; p. 1055.
- Reflector. R. B. Benjamin. (Reissue.) No. 1,4406; Dec. 11; v. 245; p. 520.
- Reflector. T. B. Dixon. No. 1,229,420; June 12; v. 239; p. 402.
- Reflector. P. M. Hotchkiss. No. 1,225,032; May 8; v. 238; p. 373.
- Reflector and source of light in the same, Combined. H. R. Evans. No. 1,239,371; Sept. 4; v. 242; p. 208.
- Reflector for search-lights. C. A. Parsons and E. Bennett. No. 1,210,977; Jan. 2; v. 234; p. 207.
- Reflector-holder. H. D'Olier, Jr. No. 1,228,003; May 29; v. 238; p. 1485.
- Reflector-holder. H. D'Olier, Jr. No. 1,228,004; May 29; v. 238; p. 1486.
- Reflector, Insulated. W. Weckesser. No. 1,248,222; Nov. 27; v. 244; p. 1002.
- Reflector. Myriad. L. B. Woeste. No. 1,214,863; Feb. 6; v. 235; p. 131.
- Reflector-support. P. M. Hotchkiss. No. 1,236,373; Aug. 7; v. 241; p. 267.
- Reflectors, Making glass. P. Emmenegger. No. 1,211,120; Jan. 2; v. 234; p. 255.
- Refractometer. G. W. Moffitt. No. 1,230,754; June 19; v. 239; p. 881.
- Refractometer. W. M. Richards. No. 1,232,842; July 10; v. 240; p. 465.
- Refractories, Production of. P. R. Hershman. No. 1,240,569; Sept. 18; v. 242; p. 650.
- Refractory and making same. J. O. Handy and R. M. Isham. No. 1,248,486; Dec. 4; v. 245; p. 17.
- Refractory bodies, Manufacture of. H. F. Chappell. No. 1,226,750; May 22; v. 238; p. 1033.
- Refractory composition. F. M. Becket. No. 1,244,688; Oct. 30; v. 243; p. 1146.
- Refractory material and making the same. H. A. Kennedy. No. 1,238,020; Aug. 21; v. 241; p. 869.
- Refractory materials, Production of. P. R. Hershman. No. 1,227,909; May 29; v. 238; p. 1453.
- Refractory product and manufacturing same. A. P. Taylor and J. D. Runyan. No. 1,212,846; Jan. 16; v. 234; p. 919.
- Refrigerating. W. T. Hoofnagle. No. 1,230,482; June 19; v. 239; p. 790.
- Refrigerating apparatus. J. C. Bertsch. No. 1,224,594; May 1; v. 238; p. 171.
- Refrigerating apparatus. J. E. Bertsch. No. 1,245,179; Nov. 6; v. 244; p. 11.
- Refrigerating apparatus. H. H. Carpenter. No. 1,212,127; Jan. 9; v. 234; p. 635.
- Refrigerating apparatus. T. Carrigan and A. J. Sweeney. No. 1,226,186; May 15; v. 238; p. 807.
- Refrigerating apparatus. E. P. Connelly. No. 1,233,755; July 17; v. 240; p. 797.
- Refrigerating apparatus. C. Cortesi, E. Prassone, E. Erani, and A. Contin. No. 1,237,303; Aug. 21; v. 241; p. 640.
- Refrigerating apparatus. W. T. Hoofnagle. No. 1,230,483; June 19; v. 239; p. 791.
- Refrigerating apparatus. F. G. Keyes. No. 1,242,559; Oct. 9; v. 243; p. 387.
- Refrigerating apparatus. H. M. Klingensfeld. No. 1,246,280; Nov. 13; v. 244; p. 370.
- Refrigerating apparatus. E. C. Loetscher. No. 1,223,813; Apr. 24; v. 237; p. 1088.
- Refrigerating apparatus. G. F. Maisch. No. 1,225,453; May 8; v. 238; p. 517.
- Refrigerating apparatus. J. M. Peterson. No. 1,225,850; May 15; v. 238; p. 692.
- Refrigerating apparatus. J. M. Peterson. No. 1,238,051; Aug. 21; v. 241; p. 879.
- Refrigerating apparatus. W. Pfeiderer. No. 1,250,218; Dec. 18; v. 245; p. 589.
- Refrigerating apparatus. C. Wennhold. No. 1,250,062; Dec. 11; v. 245; p. 502.
- Refrigerating apparatus. J. F. Winkler. (Reissue.) No. 1,4415; Dec. 18; v. 245; p. 809.
- Refrigerating apparatus. F. W. Wolf. No. 1,222,170; Apr. 10; v. 237; p. 440.
- Refrigerating apparatus and regulator. J. C. Bertsch. No. 1,247,209; Nov. 20; v. 244; p. 680.
- Refrigerating apparatus, Check-valve for. A. L. Brett. No. 1,242,515; Oct. 9; v. 243; p. 372.
- Refrigerating apparatus, Control-header for. J. C. Scovel, Jr. No. 1,247,884; Nov. 27; v. 244; p. 907.
- Refrigerating apparatus, Multiple. E. C. Loetscher. No. 1,222,642; Apr. 17; v. 237; p. 648.
- Refrigerating appliance. R. J. Scott. No. 1,230,230; June 19; v. 239; p. 708.
- Refrigerating, Automatic. W. J. Herdman and T. E. Moldon. No. 1,233,056; July 10; v. 240; p. 535.
- Refrigerating-machine. G. P. Carroll. No. 1,217,084; Feb. 20; v. 235; p. 998.
- Refrigerating-machine. G. P. Carroll. No. 1,219,533; Mar. 20; v. 236; p. 639.

- Refrigerating-machine. G. P. Carroll. No. 1,219,534; Mar. 20; v. 236; p. 640.
- Refrigerating-machine. G. P. Carroll. No. 1,225,408; May 8; v. 238; p. 501.
- Refrigerating-machine. I. Lundgaard. No. 1,240,862; Sept. 25; v. 242; p. 774.
- Refrigerating-machine. H. E. White. No. 1,245,544; Nov. 6; v. 244; p. 122.
- Refrigerating-machines. Water-valve for. F. G. Keyes and A. L. Brett. No. 1,235,980; Aug. 7; v. 241; p. 148.
- Refrigerating or ice-making apparatus. T. Shipley. No. 1,226,391; May 15; v. 238; p. 878.
- Refrigerating system. Vacuum. C. C. Jones. No. 1,246,817; Nov. 13; v. 244; p. 530.
- Refrigeration. J. C. Bertsch. No. 1,246,849; Nov. 20; v. 244; p. 576.
- Refrigeration. S. C. Bloom. No. 1,236,535; Aug. 14; v. 241; p. 356.
- Refrigeration. A. W. Browne and R. P. Nichols. No. 1,246,866; Nov. 20; v. 244; p. 581.
- Refrigeration. Ammonia-pump mechanism for. F. M. Geisendorff. No. 1,231,518; June 26; v. 239; p. 1174.
- Refrigeration plants. Apparatus for. S. Thurstensen. No. 1,224,811; May 1; v. 238; p. 246.
- Refrigeration. Preservation by. J. Morawski. No. 1,233,387; July 17; v. 240; p. 678.
- Refrigerator. T. M. Anderson. No. 1,232,474; July 10; v. 240; p. 346.
- Refrigerator. A. R. Barnett. No. 1,232,268; July 3; v. 240; p. 245.
- Refrigerator. G. B. Doud. No. 1,248,288; Nov. 27; v. 244; p. 1021.
- Refrigerator. A. H. Dunlap. No. 1,218,533; Mar. 6; v. 236; p. 222.
- Refrigerator. J. Eckhardt. No. 1,250,821; Dec. 18; v. 245; p. 769.
- Refrigerator. C. M. Graham. No. 1,219,936; Mar. 20; v. 236; p. 780.
- Refrigerator. O. M. Graves. No. 1,223,964; Apr. 24; v. 237; p. 1138.
- Refrigerator. C. A. Ketterer. No. 1,222,635; Apr. 17; v. 237; p. 646.
- Refrigerator. A. S. Klein. No. 1,216,576; Feb. 20; v. 235; p. 828.
- Refrigerator. F. P. and H. D. Layman. No. 1,249,785; Dec. 11; v. 245; p. 424.
- Refrigerator. H. C. Leonard. No. 1,230,179; June 19; v. 239; p. 691.
- Refrigerator. P. E. Nittinger. No. 1,235,048; July 31; v. 240; p. 1281.
- Refrigerator-car. E. J. Shur. No. 1,211,496; Jan. 9; v. 234; p. 416.
- Refrigerator. J. E. Stafford, W. D. Ingram, and H. C. Gordon. No. 1,231,088; June 26; v. 239; p. 1034.
- Refrigerator. A. T. Strout. No. 1,235,736; Aug. 7; v. 241; p. 66.
- Refrigerator and ice-weighing apparatus. Combined. J. Shertzer and A. H. Pettigrove. No. 1,236,776; Aug. 14; v. 241; p. 436.
- Refrigerator-car. J. J. Armstrong. No. 1,237,146; Aug. 14; v. 241; p. 553.
- Refrigerator-car. G. W. Watkins. No. 1,242,091; Oct. 2; v. 243; p. 197.
- Refrigerator-car ventilator. E. Posson. No. 1,218,896; Mar. 13; v. 236; p. 391.
- Refrigerator-cars. Hatchway-opening for. W. H. Emerick. No. 1,220,830; Mar. 27; v. 236; p. 1130.
- Refrigerator-cars with ice. Apparatus for charging. H. D. Pratt. No. 1,247,575; Nov. 20; v. 244; p. 783.
- Refrigerator construction. C. H. Leonard. No. 1,238,413; Aug. 28; v. 241; p. 1031.
- Refrigerator construction. J. W. Marshall. No. 1,215,948; Feb. 13; v. 235; p. 552.
- Refrigerator-counter. M. J. Nowaczyk. No. 1,235,919; Aug. 7; v. 241; p. 128.
- Refrigerator display-counter. A. H. Ehrlich. No. 1,227,765; May 29; v. 238; p. 1404.
- Refrigerator-door and operating mechanism therefor. J. F. O'Connor. No. 1,220,263; Mar. 27; v. 236; p. 931.
- Refrigerator-door lock. A. D. Ward. No. 1,250,736; Dec. 18; v. 245; p. 743.
- Refrigerator drain-trap. C. H. Foster. No. 1,235,304; July 31; v. 240; p. 1357.
- Refrigerator. Evaporation. W. R. Barringer. No. 1,239,250; Sept. 4; v. 242; p. 171.
- Refrigerator-lining. C. Tettenborn. No. 1,224,235; May 1; v. 238; p. 42.
- Refrigerator-lining. C. Tettenborn. No. 1,224,236; May 1; v. 238; p. 43.
- Refrigerator or ice-box. F. B. Hart and T. G. Van Sant. No. 1,239,481; Sept. 11; v. 242; p. 271.
- Refrigerator or ice-chest. H. Auerbach. No. 1,216,767; Feb. 20; v. 235; p. 892.
- Refrigerator-shelving. F. P. Layman. No. 1,222,308; Apr. 10; v. 237; p. 488.
- Refrigerator show-case. J. H. Burhop. No. 1,248,449; Dec. 4; v. 245; p. 7.
- Refrigerator show-case. J. Heller. No. 1,237,644; Aug. 21; v. 241; p. 750.
- Refrigerator show-case. G. F. Moorehead. No. 1,227,922; May 29; v. 238; p. 1458.
- Refrigerator. Show-case. J. Schulde. No. 1,225,682; May 8; v. 238; p. 592.
- Refrigerator. Transparent. E. J. Pegler. No. 1,219,764; Mar. 20; v. 236; p. 718.
- Refrigerator-traps. Drip-cup for. C. H. Leonard. No. 1,228,034; May 29; v. 238; p. 1496.
- Refrigerator. Water-cooled. J. S. Spirewki, Jr. No. 1,235,072; July 31; v. 240; p. 1287.
- Refrigerator. Water-cooled. K. A. Thompson. No. 1,228,077; May 29; v. 238; p. 1511.
- Refrigerator. Window-. F. G. Hyke. No. 1,245,351; Nov. 6; v. 244; p. 62.
- Refrigerators. Water-cooler for. F. E. Ranney. No. 1,220,783; Mar. 27; v. 236; p. 1111.
- Refrigeratory apparatus. J. C. Kitton. No. 1,250,898; Dec. 18; v. 245; p. 791.
- Refuse. Apparatus for separating and recovering domestic. J. W. and D. R. Bryan. No. 1,250,554; Dec. 18; v. 245; p. 690.
- Refuse-burner. F. F. Hopkins. No. 1,220,849; Mar. 27; v. 236; p. 1136.
- Refuse-burning furnace. W. Piernay. No. 1,211,875; Jan. 9; v. 234; p. 549.
- Refuse-can and fly-trap. Combination. F. Johnson. No. 1,244,859; Oct. 30; v. 243; p. 1198.
- Refuse-collecting bag. H. C. McBurney. No. 1,228,333; May 29; v. 238; p. 1533.
- Refuse-destructor. A. Bréchet. No. 1,226,943; May 22; v. 238; p. 1098.
- Refuse-furnace. E. Kidwell. No. 1,239,403; Sept. 4; v. 242; p. 218.
- Refuse-receptacle. F. Harper. No. 1,226,511; May 15; v. 238; p. 915.
- Refuse. Separating and recovering domestic. J. W. and D. R. Bryan. No. 1,244,952; Oct. 30; v. 243; p. 1227.
- Regenerative furnace. H. E. Smythe. No. 1,222,690; Apr. 17; v. 237; p. 666.
- Regenerative furnace for annealing and like purposes. A. L. Stevens. No. 1,219,500; Mar. 20; v. 236; p. 627.
- Regenerator. E. E. Slick. No. 1,247,020; Nov. 20; v. 244; p. 626.
- Regenerator construction. F. Orth. No. 1,233,114; July 10; v. 240; p. 553.
- Register: See—
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| Account-register. | Duplicating-register. |
| Autographic register. | Hot-air register. |
| Business-register. | Lock indicating-register. |
| Carbid-holder register. | Note-register. |
| Cash-register. | Paper-feeding register. |
| Cash-receipt and the like register. | Sales-register. |
| Coin-register. | Sheet-register. |
| Coin and check handling register. | Stop-register. |
| Desk-register. | Telephone-call register. |
| | Tire-mileage register. |
| | Toy cash-register. |
- Register. W. N. Howden. No. 1,245,344; Nov. 6; v. 244; p. 60.
- Register. A. W. Prescott. No. 1,233,125; July 10; v. 240; p. 557.
- Register. M. N. Schneider. No. 1,230,331; June 19; v. 239; p. 741.
- Register-actuating mechanism. W. S. Gillam. No. 1,238,283; Aug. 28; v. 241; p. 989.
- Register-actuating mechanism. S. Loe. No. 1,229,301; June 12; v. 239; p. 361.
- Register attachment. Hot-air-. E. J. Johnson. No. 1,250,891; Dec. 18; v. 245; p. 790.
- Register circuits. Message. A. E. Lundell. No. 1,222,311; Apr. 10; v. 237; p. 489.
- Register-lock. H. A. Foothorap. No. 1,243,277; Oct. 16; v. 243; p. 646.
- Register-operating mechanism and seat. E. C. Sherwood. No. 1,248,180; Nov. 27; v. 244; p. 990.
- Registers and ventilators. Top plate for. H. S. Hart. No. 1,251,018; Dec. 25; v. 245; p. 877.
- Registers and ventilators. Top plate for. H. S. Hart and L. B. Marcy. No. 1,247,677; Nov. 27; v. 244; p. 846.
- Registering device. W. B. Story. No. 1,237,225; Aug. 14; v. 241; p. 576.
- Registering mechanism. W. Arthur. No. 1,233,637; July 17; v. 240; p. 762.
- Registering mechanism. C. S. Ayres. No. 1,227,567; May 29; v. 238; p. 1337.
- Registering mechanism. W. J. Bohan. No. 1,245,665; Nov. 6; v. 244; p. 160.
- Registering mechanism. W. P. Hammond and E. Q. Moses. No. 1,219,939; Mar. 20; v. 236; p. 781.
- Registering system. Electrical. C. L. Goodrum. No. 1,250,854; Dec. 18; v. 245; p. 779.
- Reglet. Metal. R. C. Hunter. No. 1,213,649; Jan. 23; v. 234; p. 1231.
- Regulating and controlling device. F. H. Brown and O. Reeser. No. 1,247,217; Nov. 20; v. 244; p. 683.
- Regulating apparatus. J. Bijur. No. 1,210,889; Jan. 2; v. 234; p. 176.
- Regulating device. P. H. Brace. No. 1,248,444; Dec. 4; v. 245; p. 5.
- Regulating device. T. Douglas. No. 1,214,286; Jan. 30; v. 234; p. 1480.
- Regulating device. T. Douglas. No. 1,238,113; Aug. 28; v. 241; p. 932.
- Regulating device. A. J. Hall. No. 1,232,915; July 10; v. 240; p. 490.

Alphabetical list of inventions—Continued.

- Regulating mechanism, Automatic. F. H. Brown. No. 1,247,216; Nov. 20; v. 244; p. 682.
- Regulator: *See*—
- Anesthetic-apparatus regulator. Heating-system regulator.
- Automobile speed-regulator. Incubator-regulator.
- Current-regulator. Liquid-level regulator.
- Damper-regulator. Oil-burner regulator.
- Density-regulator. Oil-burner-air-supply regulator.
- Draft-regulator. Phonograph-speed regulator.
- Electric regulator. Pneumatic regulator.
- Electric-light regulator. Potential-regulator.
- Electrical regulator. Pressure-regulator.
- Electrical potential-regulator. Pulp-feed regulator.
- Elevator speed-regulator. Pump-regulator.
- Engine-regulator. Separator-regulator.
- Engine-speed regulator. Sewing-machine loop-regulator.
- Feed-regulator. Siphon-regulator.
- Feed-water regulator. Speed-regulator.
- Flame-regulator. Temperature-regulator.
- Fluid-compressor regulator. Tension-regulator.
- Fluid-pressure regulator. Thermo-electric regulator.
- Fuel-regulator. Thermostatic regulator.
- Furnace draft-regulator. Time-recording register.
- Gas-regulator. Traffic-regulator.
- Gas-consumption regulator. Voltage-regulator.
- Gas-pressure regulator. Water-regulator.
- Regulator. H. A. Laycock. No. 1,216,236; Feb. 13; v. 235; p. 655.
- Regulator. A. M. Smith. No. 1,234,500; July 24; v. 240; p. 1075.
- Regulator. A. H. Thompson. No. 1,240,102; Sept. 11; v. 242; p. 465.
- Regulator. L. W. Thompson. No. 1,251,446; Dec. 25; v. 245; p. 1002.
- Rein-spur. B. E. Jordan. No. 1,218,088; Mar. 6; v. 236; p. 70.
- Rein-support. C. E. Patterson. No. 1,227,823; May 29; v. 238; p. 1424.
- Reinforcing device. E. H. Lunken. No. 1,247,432; Nov. 20; v. 244; p. 744.
- Reinforcing-rods, Connector for. W. A. Collings. No. 1,213,589; Jan. 23; v. 234; p. 1212.
- Rejuvenator, Electrotherapeutic. C. M. Swingle. No. 1,216,183; Feb. 13; v. 235; p. 637.
- Relay. W. L. Bliss. No. 1,232,456; July 3; v. 240; p. 303.
- Relay. H. D. Currier and L. Ericson. No. 1,239,357; Sept. 4; v. 242; p. 204.
- Relay. J. T. Dempster. No. 1,220,826; Mar. 27; v. 236; p. 1128.
- Relay. F. L. Dodgson. No. 1,216,420; Feb. 20; v. 235; p. 773.
- Relay. B. G. Dunham. No. 1,210,617; Jan. 2; v. 234; p. 83.
- Relay. M. Hartenheim. No. 1,227,433; May 22; v. 238; p. 1261.
- Relay. R. M. Hopkins and J. F. D. Hoge. No. 1,246,430; Nov. 13; v. 244; p. 416.
- Relay. E. H. Jacobs. No. 1,236,177; Aug. 7; v. 241; p. 208.
- Relay. H. D. James. No. 1,235,033; July 31; v. 240; p. 1276.
- Relay. A. H. Johnson. No. 1,236,375; Aug. 7; v. 241; p. 268.
- Relay. P. MacGahan. No. 1,227,469; May 22; v. 238; p. 1273.
- Relay. D. P. and J. F. Williams. No. 1,236,128; Aug. 7; v. 241; p. 193.
- Relay and repeater. W. Finn. (Reissue.) No. 14,304; May 22; v. 238; p. 1304.
- Relay, Electric. J. B. Crippen. No. 1,228,097; May 29; v. 238; p. 1518.
- Relay, Electric. F. W. Schmidt. No. 1,228,058; May 29; v. 238; p. 1505.
- Relay, Electrical. H. R. Holton. No. 1,235,978; Aug. 7; v. 241; p. 147.
- Relay, Electrical. E. O. Möller. No. 1,231,048; June 26; v. 239; p. 1020.
- Relay, Electromagnetic time-retarding. K. Höhn. No. 1,216,570; Feb. 20; v. 235; p. 825.
- Relay for motor-circuits, Reverse-phase safety-. C. H. Spangler. No. 1,222,692; Apr. 17; v. 237; p. 667.
- Relay or repeater, Telephone and telegraph. J. H. Cuntz. No. 1,215,348; Feb. 13; v. 235; p. 336.
- Relay, Reverse-current. G. A. Burnham. No. 1,213,835; Jan. 30; v. 234; p. 1324.
- Relay, Ringing-. W. Kaisling. No. 1,232,044; July 3; v. 240; p. 172.
- Relay, Knife-switch. W. Kaisling. No. 1,228,778; June 5; v. 239; p. 138.
- Relay-switch, Time-limit. C. Renshaw. No. 1,214,074; Jan. 30; v. 234; p. 1407.
- Relay, Telephonic. F. E. Summers. No. 1,213,298; Jan. 23; v. 234; p. 1110.
- Relay, Time-element. A. J. Loguin. No. 1,217,469; Feb. 27; v. 235; p. 1177.
- Relay, Time-limit. G. A. Burnham. No. 1,230,063; June 12; v. 239; p. 613.
- Relay, Time-limit. J. R. Craighead. No. 1,250,806; Dec. 18; v. 245; p. 764.
- Relay, Time-limit. E. H. Jacobs. No. 1,240,723; Sept. 18; v. 242; p. 697.
- Relays for alternating currents, Process to increase the sensibility of. E. Reisz. No. 1,234,489; July 24; v. 240; p. 1072.
- Release mechanism, Automatic. L. and H. L. Bradley. No. 1,220,721; Mar. 27; v. 236; p. 1091.
- Release-rigging bracket. G. G. Gilpin. No. 1,232,676; July 10; v. 240; p. 411.
- Release-socket. R. C. Jones. No. 1,232,928; July 10; v. 240; p. 495.
- Releasing device. C. Axelsson. No. 1,221,651; Apr. 3; v. 237; p. 224.
- Releasing device. G. Franchini and C. Bartolomee. No. 1,228,360; May 29; v. 238; p. 1602.
- Releasing device. J. Irwin. No. 1,227,147; May 22; v. 238; p. 1170.
- Releasing device. W. C. Koch. No. 1,224,651; May 1; v. 238; p. 190.
- Releasing-hook mechanism. L. H. and M. H. Robinson. No. 1,246,468; Nov. 13; v. 244; p. 428.
- Releasing means, Electrically-controlled. J. P. Crandall. No. 1,239,569; Sept. 11; v. 242; p. 300.
- Relief-alidade. F. H. Colburn. No. 1,240,676; Sept. 18; v. 242; p. 683.
- Remedy for the bee disease called the European foul brood. I. M. Church. No. 1,242,770; Oct. 9; v. 243; p. 455.
- Renovator. W. W. Farnsworth. No. 1,247,654; Nov. 27; v. 244; p. 839.
- Repair-clip. J. C. De Noyer. No. 1,247,087; Nov. 20; v. 244; p. 645.
- Repairer and sealer. E. Johnson. No. 1,244,984; Oct. 30; v. 243; p. 1236.
- Repeater system, Non-grounded. E. D. Fales. No. 1,229,596; June 12; v. 239; p. 461.
- Replacement process. G. Moore. No. 1,231,410; June 26; v. 239; p. 1141.
- Replacing and thickening apparatus. G. Moore. No. 1,231,409; June 26; v. 239; p. 1141.
- Replayer, Mechanical. R. G. Brown and J. E. Strietelmeler. No. 1,234,621; July 24; v. 240; p. 1114.
- Reproducer. W. T. Lakin. No. 1,246,616; Nov. 13; v. 244; p. 472.
- Reraller. W. L. Boyer. No. 1,226,744; May 22; v. 238; p. 1030.
- Reraller. W. R. King. No. 1,251,242; Dec. 25; v. 245; p. 942.
- Rerailing device. A. D. Coalson. No. 1,243,920; Oct. 23; v. 243; p. 878.
- Rerailing-frog holder. M. T. Larkin. No. 1,216,706; Feb. 20; v. 235; p. 871.
- Rescue apparatus. J. Konrath. No. 1,228,220; May 29; v. 238; p. 1555.
- Reservoir-venting device, Auxiliary-. W. C. Webster. No. 1,233,427; July 17; v. 240; p. 691.
- Reservoirs and the like, Apparatus for lining. G. Monrath. No. 1,219,840; Mar. 20; v. 236; p. 745.
- Resilient bolt. E. I. Dodds. No. 1,228,189; May 29; v. 238; p. 1546.
- Resilient holding-clip. O. M. Otte. No. 1,222,453; Apr. 10; v. 237; p. 540.
- Resilient wheel. H. C. Anderson. No. 1,239,333; Sept. 4; v. 242; p. 196.
- Resilient wheel. C. M. Ankeny. No. 1,217,385; Feb. 27; v. 235; p. 1147.
- Resilient wheel. E. L. Bauman. No. 1,221,411; Apr. 3; v. 237; p. 145.
- Resilient wheel. A. A. Bender. No. 1,242,759; Oct. 9; v. 243; p. 451.
- Resilient wheel. W. M. Boenning. No. 1,218,973; Mar. 13; v. 236; p. 417.
- Resilient wheel. D. E. Bohannon. No. 1,249,273; Dec. 4; v. 245; p. 244.
- Resilient wheel. B. Biss and L. Kohn. No. 1,245,150; Nov. 6; v. 244; p. 3.
- Resilient wheel. C. Brandt. No. 1,234,273; July 24; v. 240; p. 1001.
- Resilient wheel. J. Bropson. No. 1,245,184; Nov. 6; v. 244; p. 12.
- Resilient wheel. L. B. Carris. No. 1,229,412; June 12; v. 239; p. 399.
- Resilient wheel. A. Closz. No. 1,224,360; May 1; v. 238; p. 89.
- Resilient wheel. J. A. Crismore. No. 1,243,265; Oct. 16; v. 243; p. 643.
- Resilient wheel. A. W. Delane. No. 1,225,225; May 8; v. 238; p. 437.
- Resilient wheel. W. F. Ewald. No. 1,215,511; Feb. 13; v. 235; p. 394.
- Resilient wheel. W. J. Faber. No. 1,231,343; June 26; v. 239; p. 1118.
- Resilient wheel. T. Fornander. No. 1,242,169; Oct. 9; v. 243; p. 263.
- Resilient wheel. R. N. Fuller. No. 1,231,872; July 3; v. 240; p. 114.
- Resilient wheel. J. Gibson. No. 1,230,699; June 19; v. 239; p. 863.
- Resilient wheel. M. Godefroy. No. 1,221,307; Apr. 3; v. 237; p. 107.
- Resilient wheel. M. H. Harris. No. 1,241,730; Oct. 2; v. 243; p. 85.
- Resilient wheel. W. W. Harvey. No. 1,243,735; Oct. 23; v. 243; p. 819.

- Resilient wheel. W. W. Hathaway. No. 1,245,910; Nov. 6; v. 244; p. 233.
- Resilient wheel. J. Jamison. No. 1,251,382; Dec. 25; v. 245; p. 983.
- Resilient wheel. W. W. Jones. No. 1,221,995; Apr. 10; Gaz. vol. 237; p. 379.
- Resilient wheel. A. Jutila. No. 1,217,190; Feb. 27; v. 235; p. 1081.
- Resilient wheel. W. C. Kompart. No. 1,229,095; June 5; v. 239; p. 242.
- Resilient wheel. L. Krezolek. No. 1,247,283; Nov. 20; v. 244; p. 701.
- Resilient wheel. A. G. Marsden. No. 1,241,235; Sept. 25; v. 242; p. 890.
- Resilient wheel. E. L. McKinney. No. 1,224,399; May 1; v. 238; p. 102.
- Resilient wheel. A. Morgan. No. 1,221,570; Apr. 3; v. 237; p. 200.
- Resilient wheel. E. I. Mower. No. 1,240,357; Sept. 18; v. 242; p. 585.
- Resilient wheel. B. C. Nadeau. No. 1,221,362; Apr. 3; v. 237; p. 127.
- Resilient wheel. C. Neimeyer. No. 1,228,809; June 5; v. 239; p. 149.
- Resilient wheel. B. S. Nellans. No. 1,213,936; Jan. 30; v. 234; p. 1358.
- Resilient wheel. J. F. O'Connor. No. 1,222,976; Apr. 17; v. 237; p. 762.
- Resilient wheel. C. E. Perry. No. 1,246,457; Nov. 13; v. 244; p. 424.
- Resilient wheel. J. Pronovost. No. 1,220,889; Mar. 27; v. 236; p. 1147.
- Resilient wheel. F. Romain. No. 1,212,263; Jan. 16; v. 234; p. 714.
- Resilient wheel. A. L. Runyan. No. 1,227,494; May 22; v. 238; p. 1282.
- Resilient wheel. B. C. Seaton. No. 1,211,885; Jan. 9; v. 234; p. 553.
- Resilient wheel. E. N. Smith. No. 1,233,722; July 17; v. 240; p. 788.
- Resilient wheel. R. F. Spencer. No. 1,227,848; May 29; v. 238; p. 1433.
- Resilient wheel. H. W. Swope. No. 1,250,529; Dec. 18; v. 245; p. 682.
- Resilient wheel. F. Taylor. No. 1,240,624; Sept. 18; v. 242; p. 666.
- Resilient wheel. E. B. Teeple. No. 1,242,269; Oct. 9; v. 243; p. 294.
- Resilient wheel. F. A. Turner. No. 1,221,393; Apr. 3; v. 237; p. 137.
- Resilient wheel. S. A. Wheatley. No. 1,220,709; Mar. 27; v. 236; p. 1087.
- Resilient wheel. W. H. Wilkins. No. 1,244,934; Oct. 30; v. 243; p. 1221.
- Resilient wheel. J. B. Wilson. No. 1,236,525; Aug. 14; v. 241; p. 352.
- Resilient wheel. G. Zinsli. No. 1,244,822; Oct. 30; v. 243; p. 1188.
- Resilient wheel for carriages. C. Dominicus, Jr. No. 1,245,092; Oct. 30; v. 243; p. 1269.
- Resilient wheel for vehicles. O. Brizendine. No. 1,243,804; Oct. 23; v. 243; p. 842.
- Resin and making the same, Artificial. B. B. Goldsmith. No. 1,230,829; June 19; v. 239; p. 905.
- Resin and making same, Esterified fossil. H. Terrisse. No. 1,236,996; Aug. 14; v. 241; p. 506.
- Resin and turpentine, Process and apparatus for making. G. Pissimis and J. Rigopulos. No. 1,219,998; Mar. 20; v. 236; p. 800.
- Resin, Making hydrogenated. C. Ellis. No. 1,249,050; Dec. 4; v. 245; p. 180.
- Resins and products thereof, Hardening. F. S. Low. No. 1,243,312; Oct. 16; v. 243; p. 658.
- Resins from benzol-plant residues, Recovering. M. Darin. No. 1,236,917; Aug. 14; v. 241; p. 480.
- Resinous compound, Halogenated. J. P. A. McCoy. No. 1,245,363; Nov. 6; v. 244; p. 66.
- Resistance-coil, Polyphase. P. Torchio and H. R. Woodrow. No. 1,242,497; Oct. 9; v. 243; p. 366.
- Resistance device, Variable. R. E. Reed. No. 1,225,357; May 8; v. 238; p. 485.
- Resistance element. J. A. Misland. No. 1,232,450; July 3; v. 240; p. 302.
- Resistance elements, Making. M. L. Severy. No. 1,225,368; May 8; v. 238; p. 488.
- Resistance in a circuit and apparatus therefor, Method of changing. E. Weintraub. No. 1,244,150; Oct. 23; v. 243; p. 946.
- Resistance members and producing same, Terminal for. L. Reichold. No. 1,218,465; Mar. 6; v. 236; p. 199.
- Resistance unit. T. E. Barnum. No. 1,226,627; May 22; v. 238; p. 992.
- Resistance unit, Variable. B. F. Williston. No. 1,226,837; May 22; v. 238; p. 1062.
- Resistance unit and making the same. E. F. Collins. No. 1,233,191; July 10; v. 240; p. 579.
- Respirating device. M. Hilgers. No. 1,210,939; Jan. 2; v. 234; p. 194.
- Respiration, Apparatus for inducing. W. Harrison. No. 1,248,487; Dec. 4; v. 245; p. 17.
- Respiration, Apparatus for producing artificial. W. E. Tullar. No. 1,213,302; Jan. 23; v. 234; p. 1111.
- Respiration, Apparatus for producing artificial. W. E. Tullar. No. 1,241,056; Sept. 25; v. 242; p. 834.
- Respiration, Apparatus for producing artificial. E. J. Tyler. No. 1,243,900; Oct. 23; v. 243; p. 872.
- Respirator. R. Donald. No. 1,229,050; June 5; v. 239; p. 226.
- Respirator. O. J. Mooney. No. 1,232,956; July 10; v. 240; p. 503.
- Respirator. D. K. H. Schumann. No. 1,222,683; Apr. 17; v. 237; p. 663.
- Respirator. J. A. Ste. Marie. No. 1,221,387; Apr. 3; v. 237; p. 135.
- Respirator. C. Travers. No. 1,221,246; Apr. 3; v. 237; p. 86.
- Respiratory system for smoke-helmets. C. H. Ackerman. No. 1,215,327; Feb. 13; v. 235; p. 329.
- Restaurant-service, Mechanical. J. Hutchinson. No. 1,215,536; Feb. 13; v. 235; p. 403.
- Restraining device. E. J. Colbourn. No. 1,229,717; June 12; v. 239; p. 501.
- Restraining device. M. H. Hansen. No. 1,219,453; Mar. 20; v. 236; p. 610.
- Restraining device. J. Lawrence. No. 1,236,454; Aug. 14; v. 241; p. 328.
- Restraining device. F. McDaniels. No. 1,217,034; Feb. 20; v. 235; p. 982.
- Resuscitating device. F. F. Morris and F. M. Luchs. No. 1,214,941; Feb. 6; v. 235; p. 161.
- Retaining-cup. W. J. Walker. No. 1,212,294; Jan. 16; v. 234; p. 726.
- Retaining device. A. R. Schoenky. No. 1,226,705; May 22; v. 238; p. 1017.
- Retaining-ring. C. A. Hornburg. No. 1,218,865; Mar. 13; v. 236; p. 381.
- Retaining-walls, wharfs, and piers, Works such as. S. L. Ravier. No. 1,231,426; June 26; v. 239; p. 1147.
- Retarding device. W. Simonsson. No. 1,230,932; June 26; v. 239; p. 979.
- Retarding devices, Means for connecting. P. M. Freer. No. 1,213,797; Jan. 23; v. 234; p. 1281.
- Retinoscope. L. W. Bugbee. No. 1,211,073; Jan. 2; v. 234; p. 240.
- Retort. P. Plantinga. No. 1,239,517; Sept. 11; v. 242; p. 282.
- Retort apparatus. E. Fink. No. 1,213,346; Jan. 23; v. 234; p. 1127.
- Retort apparatus. E. Fink. No. 1,213,347; Jan. 23; v. 234; p. 1127.
- Retort-discharger. G. Merkel. No. 1,228,942; June 5; v. 239; p. 191.
- Retorts, Discharging vertical. A. M. Duckham. No. 1,211,301; Jan. 2; v. 234; p. 318.
- Retractors, Attachment for. W. J. Cameron. No. 1,238,001; Aug. 21; v. 241; p. 863.
- Retractors, Illuminating attachment for. W. J. Cameron. No. 1,231,702; July 3; v. 240; p. 56.
- Retractor, Illuminated transparent. I. J. Smit. No. 1,246,338; Nov. 13; v. 244; p. 388.
- Retting. B. S. Summers. No. 1,235,738; Aug. 7; v. 241; p. 67.
- Reversible boat. T. H. Gaskin. No. 1,241,367; Sept. 25; v. 242; p. 933.
- Reversible coupling for gravity-carriers. W. C. Kellogg. No. 1,226,222; May 15; v. 238; p. 819.
- Reversible mat. M. B. Bailey. No. 1,245,997; Nov. 6; v. 244; p. 254.
- Reversible pot. G. A. Shields. No. 1,226,022; May 15; v. 238; p. 751.
- Reversing-gear mechanism. E. H. Palmer and W. S. Kinsley. No. 1,212,250; Jan. 16; v. 234; p. 709.
- Reversing mechanism. F. W. A. Henrici. No. 1,227,783; May 29; v. 238; p. 1410.
- Reversing mechanism. J. V. Petrelli. No. 1,239,213; Sept. 4; v. 242; p. 157.
- Reversing mechanism. M. Sitney. No. 1,248,735; Dec. 4; v. 245; p. 91.
- Revetment-mats, Apparatus for launching. D. M. Shearer. No. 1,229,152; June 5; v. 239; p. 261.
- Revolution-counter. H. H. Cummings. No. 1,217,920; Mar. 6; v. 236; p. 12.
- Revolution-counter. H. H. Cummings. No. 1,223,039; Apr. 17; v. 237; p. 785.
- Revolution-counter. W. P. Heath. No. 1,216,117; Feb. 13; v. 235; p. 613.
- Revolver. R. F. Sedgley. No. 1,236,608; Aug. 14; v. 241; p. 378.
- Revolvers, Cartridge-pack for. J. H. Wesson. No. 1,231,106; June 26; v. 239; p. 1040.
- Revolvers, Loading-pack for. J. H. Wesson. No. 1,228,505; June 5; v. 239; p. 45.
- Revolving chair. C. J. Travers. No. 1,230,239; June 19; v. 239; p. 711.
- Revolving rake. A. R. Clayton. No. 1,222,526; Apr. 10; v. 237; p. 566.
- Revolving screen and method of screening. W. O. Borchardt. No. 1,212,179; Jan. 16; v. 234; p. 681.
- Revolving table. W. H. Logan. No. 1,224,475; May 1; v. 238; p. 130.
- Rewinding woven fabrics, Machine for. M. J. Hoffman. No. 1,240,800; Sept. 18; v. 242; p. 722.
- Rheostat. M. S. Cumner and F. W. Geissenhalner. No. 1,224,610; May 1; v. 238; p. 176.
- Rheostat. C. W. Dunham. No. 1,225,227; May 8; v. 238; p. 438.

Alphabetical list of inventions—Continued.

- Rheostat. T. Rhodus. No. 1,230,221; June 19; v. 239; p. 705.
- Rheostat. T. Rhodus. No. 1,247,009; Nov. 20; v. 244; p. 623.
- Rheostat. M. L. Severy and G. B. Sinclair. No. 1,236,772; Aug. 14; v. 241; p. 435.
- Rheostat. H. A. Wallace. No. 1,220,573; Mar. 27; v. 236; p. 1042.
- Rheostat. H. W. Ward. No. 1,244,929; Oct. 30; v. 243; p. 1220.
- Rheostat, Compression. E. L. Clark. No. 1,222,182; Apr. 10; v. 237; p. 445.
- Rheostat, Liquid. G. H. Dorgeloh. No. 1,233,852; July 17; v. 240; p. 830.
- Rib-tightening machine. F. H. Warren. No. 1,245,411; Nov. 6; v. 244; p. 80.
- Ribbon fastener, Hair-. E. M. Droll. No. 1,234,308; July 24; v. 240; p. 1012.
- Ribbon-holder. E. E. Hamilton. No. 1,221,172; Apr. 3; v. 237; p. 60.
- Ribbon-reel. W. Lohrer. No. 1,227,460; May 22; v. 238; p. 1270.
- Ribbon-reverse mechanism. W. W. Lasker. No. 1,249,640; Dec. 11; v. 245; p. 380.
- Ribbon-reversing mechanism. O. Thieme. No. 1,245,637; Nov. 6; v. 244; p. 150.
- Ribbon-supporting mechanism. P. Dignan. No. 1,241,464; Sept. 25; v. 242; p. 961.
- Rice and product thereof, Treating. M. M. Baumgartner. No. 1,239,555; Sept. 11; v. 242; p. 295.
- Rice-kernels, Manufacture of agglutinated. A. B. Cresap. No. 1,221,973; Apr. 10; v. 237; p. 372.
- Rice-popping machine. W. B. Schuyler. No. 1,237,708; Aug. 21; v. 241; p. 772.
- Ridger and blocker. C. F. Wyatt. No. 1,238,616; Aug. 28; v. 241; p. 1096.
- Ridger and blocker, Combined. H. Pitcher. No. 1,240,088; Sept. 11; v. 242; p. 460.
- Rifle. W. Doré. No. 1,216,785; Feb. 20; v. 235; p. 899.
- Rifle and machine-gun instruction, Device for. J. R. Bowen. No. 1,212,737; Jan. 16; v. 234; p. 884.
- Rifle-barrel. B. Holter. No. 1,230,712; June 19; v. 239; p. 867.
- Rifle-box. A. E. Custer. No. 1,224,281; May 1; v. 238; p. 60.
- Rifle-carrier. A. Rhodes. No. 1,248,012; Nov. 27; v. 244; p. 943.
- Rifle-shield, Bullet-proof. S. J. Winn, Jr. No. 1,244,679; Oct. 30; v. 243; p. 1143.
- Rifle-sight. J. A. Dietz. No. 1,216,783; Feb. 20; v. 235; p. 898.
- Rifles, pistols, and the like, Sight for. J. H. Price. No. 1,237,955; Aug. 21; v. 241; p. 848.
- Rigid head-and-socket fastener, Separable. M. H. Moorman. No. 1,251,085; Dec. 25; v. 245; p. 896.
- Rigging-hook, Self-closing. R. Bailey. No. 1,248,596; Dec. 4; v. 245; p. 51.
- Rim. J. M. Berry. No. 1,211,056; Jan. 2; v. 234; p. 235.
- Rim. J. S. Johnston. No. 1,223,797; Apr. 24; v. 237; p. 1082.
- Rim and felly-band, Demountable. C. D. Stephens. No. 1,224,511; May 1; v. 238; p. 142.
- Rim and locking and aligning device therefor, Split clencher demountable. W. N. Booth. No. 1,240,789; Sept. 18; v. 242; p. 718.
- Rim-breaker. J. R. Wright. No. 1,242,409; Oct. 9; v. 243; p. 339.
- Rim-clamping device. S. R. McKay. No. 1,228,796; June 5; v. 239; p. 144.
- Rim, Clencher-. H. Kroemer. No. 1,246,115; Nov. 13; v. 244; p. 320.
- Rim, Collapsible. F. Rogers. No. 1,220,004; Mar. 20; v. 236; p. 802.
- Rim-contractor. E. Knauss. No. 1,242,950; Oct. 16; v. 243; p. 547.
- Rim, Demountable. A. Allgrunn. No. 1,225,557; May 8; v. 238; p. 550.
- Rim, Demountable. O. E. Bahrenburg. No. 1,242,310; Oct. 9; v. 243; p. 308.
- Rim, Demountable. H. J. Bradt. No. 1,217,144; Feb. 27; v. 235; p. 1065.
- Rim, Demountable. T. F. Burns. No. 1,247,789; Nov. 27; v. 244; p. 881.
- Rim, Demountable. L. M. Cooper. No. 1,223,312; Apr. 17; v. 237; p. 875.
- Rim, Demountable. J. W. Drummond. No. 1,222,542; Apr. 10; v. 237; p. 572.
- Rim, Demountable. C. C. Harbridge. No. 1,250,309; Dec. 18; v. 245; p. 616.
- Rim, Demountable. A. H. Harris. No. 1,233,465; July 17; v. 240; p. 704.
- Rim, Demountable. E. Henry. No. 1,224,637; May 1; v. 238; p. 186.
- Rim, Demountable. C. S. Johnston. No. 1,218,945; Mar. 13; v. 236; p. 407.
- Rim, Demountable. H. F. Klein. No. 1,239,606; Sept. 11; v. 242; p. 311.
- Rim, Demountable. W. C. Long. No. 1,237,349; Aug. 21; v. 241; p. 656.
- Rim, Demountable. F. Lowe. No. 1,216,240; Feb. 13; v. 235; p. 657.
- Rim, Demountable. C. Lubbe and L. H. Free. No. 1,243,313; Oct. 16; v. 243; p. 658.
- Rim, Demountable. H. B. Manning. No. 1,239,118; Sept. 4; v. 242; p. 128.
- Rim, Demountable. E. R. Maurer. No. 1,228,941; June 5; v. 239; p. 191.
- Rim, Demountable. R. McClure. No. 1,216,823; Feb. 20; v. 235; p. 911.
- Rim, Demountable. W. J. P. Moore. No. 1,238,176; Aug. 28; v. 241; p. 954.
- Rim, Demountable. W. J. P. Moore. No. 1,239,506; Sept. 11; v. 242; p. 279.
- Rim, Demountable. W. J. P. Moore. No. 1,249,452; Dec. 11; v. 245; p. 327.
- Rim, Demountable. O. W. Mott. No. 1,248,887; Dec. 4; v. 245; p. 136.
- Rim, Demountable. E. Oliver. No. 1,227,925; May 29; v. 238; p. 1459.
- Rim, Demountable. C. N. Outerbridge. No. 1,243,624; Oct. 16; v. 243; p. 750.
- Rim, Demountable. A. J. Park. No. 1,220,541; Mar. 27; v. 236; p. 1030.
- Rim, Demountable. G. H. Parks. No. 1,224,012; Apr. 24; v. 237; p. 1155.
- Rim, Demountable. M. F. Patton. No. 1,231,644; July 3; v. 240; p. 35.
- Rim, Demountable. C. R. Ragsdale. No. 1,224,666; May 1; v. 238; p. 196.
- Rim, Demountable. J. D. Reilly. No. 1,228,246; May 29; v. 238; p. 1565.
- Rim, Demountable. J. B. Stroud. No. 1,246,678; Nov. 13; v. 244; p. 490.
- Rim device, Demountable. E. H. Davis. No. 1,242,330; Oct. 9; v. 243; p. 314.
- Rim, Emergency-. H. C. Sampson and A. F. Farman. No. 1,232,981; July 10; v. 240; p. 511.
- Rim forming and flanging machine. F. L. Sessions. No. 1,219,174; Mar. 13; v. 236; p. 484.
- Rim lock, Demountable. E. Lindberg. No. 1,230,182; June 19; v. 239; p. 692.
- Rim, Sectional. J. J. Foley. No. 1,238,996; Sept. 4; v. 242; p. 89.
- Rim, Sectional demountable. J. L. Maguire. No. 1,249,979; Dec. 11; v. 245; p. 479.
- Rim sections, Coupling means for demountable. F. B. Cumpston. No. 1,241,345; Sept. 25; v. 242; p. 926.
- Rim, Self-aligning transplit. E. K. Baker. No. 1,244,014; Oct. 23; v. 243; p. 906.
- Rim, Separable. H. Gale and W. B. Romeiser. No. 1,241,107; Sept. 25; v. 242; p. 850.
- Rim, Straight-side demountable. W. N. Booth. No. 1,244,022; Oct. 23; v. 243; p. 909.
- Rim-stretching device. A. Rosenblatt. No. 1,219,160; Mar. 13; v. 236; p. 480.
- Rim-strip. L. A. Young. No. 1,226,737; May 22; v. 238; p. 1028.
- Rim, Tire-carrying. E. Hopkinson. No. 1,238,769; Sept. 4; v. 242; p. 15.
- Rim-tool. C. H. Guiles. No. 1,232,292; July 3; v. 240; p. 253.
- Rim, Transplit demountable. E. K. Baker. No. 1,244,685; Oct. 30; v. 243; p. 1145.
- Rims, Device for expanding and contracting demountable. C. F. Corbett. No. 1,220,321; Mar. 27; v. 236; p. 954.
- Rims, Means for expanding and contracting demountable. J. H. Wagenhorst. No. 1,230,543; June 19; v. 239; p. 811.
- Rims, Quick-acting retainer for demountable. C. B. Michel. No. 1,212,379; Jan. 16; v. 234; p. 754.
- Rims, Retaining-clamp for demountable. L. B. Harvey, W. Hornbeck, and B. Bisinger. No. 1,225,126; May 8; v. 238; p. 405.
- Ring. See—
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| Ball-ring. | Key-ring. |
| Binder-ring. | Oil-ring. |
| Bung-ring. | Packing-ring. |
| Drawing-ring. | Piston-ring. |
| Finger-ring. | Retaining-ring. |
| Fuse time-train ring. | Scapular-ring. |
| Gas-mantle ring. | Slip-ring. |
| Harness-ring. | Spinning-ring. |
| Holder-ring. | Spring-ring. |
- Ring. F. Milhening. No. 1,224,193; May 1; v. 238; p. 28.
- Ring. K. Zack. No. 1,250,070; Dec. 11; v. 245; p. 505.
- Ring and finger gage. M. Engelsman. No. 1,213,607; Jan. 23; v. 234; p. 1218.
- Ring-cutting machine. H. A. Pedrick. No. 1,227,304; May 22; v. 238; p. 1221.
- Ring-gage. P. U. Mascher. No. 1,210,963; Jan. 2; v. 234; p. 203.
- Ring guard, Finger-. M. Levin. No. 1,217,097; Feb. 20; v. 235; p. 1003.
- Ring packaging machine. A. A. Totman. No. 1,217,532; Feb. 27; v. 235; p. 1201.
- Ring-roll mill. E. B. Symons. No. 1,217,525; Feb. 27; v. 235; p. 1199.
- Ring sizing and polishing machine. W. White. No. 1,220,917; Mar. 27; v. 236; p. 1156.
- Ring-trays, Abutment for. F. A. Stevens. No. 1,245,630; Nov. 6; v. 244; p. 148.
- Ring-truing machine. F. H. Moyer. No. 1,220,360; Mar. 27; v. 236; p. 967.
- Rings, Fastener for split steel lubricating and other. G. H. Wood. No. 1,244,568; Oct. 30; v. 243; p. 1111.

- Rings, Finger-measuring device for. J. Elsen. No. 1,216,672; Feb. 20; v. 235; p. 860.
- Rings, Making cylinder. J. Campbell. No. 1,215,775; Feb. 13; v. 235; p. 489.
- Rivet. G. B. Phillips. No. 1,228,239; May 29; v. 238; p. 1563.
- Rivet-cutting machine. J. A. Scheffey. No. 1,243,765; Oct. 23; v. 243; p. 829.
- Rivet-heating furnace. W. H. Diffendall. No. 1,231,507; June 26; v. 239; p. 1171.
- Rivet-set retainer. W. H. Armstrong. No. 1,211,036; Jan. 2; v. 234; p. 229.
- Rivet-setting device. J. N. Newsom. No. 1,230,082; June 12; v. 239; p. 620.
- Rivet-slitting machine. J. W. Coombs. No. 1,218,746; Mar. 13; v. 236; p. 336.
- Rivet-sticker. A. Claiborne. No. 1,230,563; June 19; v. 239; p. 819.
- Rivets during upsetting. Machine for holding. W. H. Diffendall. No. 1,247,380; Nov. 20; v. 244; p. 728.
- Rivets, Machine to insert needle-latch. J. J. Jenkins. No. 1,223,053; Apr. 17; v. 237; p. 790.
- Riveter, Electric. W. Morava. No. 1,251,266; Dec. 25; v. 245; p. 949.
- Riveter, Pressure-. F. Kraemer. No. 1,232,050; July 3; v. 240; p. 174.
- Riveting apparatus, Electric. F. P. Kobert. (Reissue.) No. 14,319; June 19; v. 239; p. 909.
- Riveting, Electric. C. H. Kicklighter. No. 1,236,090; Aug. 7; v. 241; p. 181.
- Riveting instrument. F. F. Miller. No. 1,211,333; Jan. 2; v. 234; p. 328.
- Riveting-machine. A. M. Baird. No. 1,239,862; Sept. 11; v. 242; p. 394.
- Riveting-machine. W. Finkelstein. No. 1,234,892; July 31; v. 240; p. 1230.
- Riveting-machine. F. P. Kenney and W. J. Elliott. No. 1,238,785; Sept. 4; v. 242; p. 20.
- Riveting-machine. H. O. Norris. No. 1,225,995; May 15; v. 238; p. 741.
- Riveting-machine. T. P. Payne. No. 1,241,250; Sept. 25; v. 242; p. 896.
- Riveting-machine. E. F. Shuster. No. 1,246,170; Nov. 13; v. 244; p. 336.
- Riveting-tool. W. L. Lindsay. No. 1,223,407; Apr. 24; v. 237; p. 941.
- Riveting-tool. C. S. Lyle. No. 1,248,355; Nov. 27; v. 244; p. 1040.
- Riveting-tool. W. R. Miller. No. 1,216,717; Feb. 20; v. 235; p. 875.
- Roach hive or trap. J. A. Owens. No. 1,243,625; Oct. 16; v. 243; p. 751.
- Roach-trap. W. T. Phillips. No. 1,250,007; Dec. 11; v. 245; p. 487.
- Road-bed. G. Schleicher. No. 1,246,663; Nov. 13; v. 244; p. 485.
- Road-building machine. J. W. Kincaid. No. 1,244,505; Oct. 30; v. 243; p. 1091.
- Road-building machine. R. M. Myers. No. 1,233,107; July 10; v. 240; p. 551.
- Road-dressing machine. A. E. Schenck. No. 1,229,529; June 12; v. 239; p. 439.
- Road-finishing machine. E. H. Newman. No. 1,228,811; June 5; v. 239; p. 149.
- Road-indicator. G. A. Deardorff. No. 1,250,811; Dec. 18; v. 245; p. 766.
- Road-leveling machine. N. S. Monroe. No. 1,215,044; Feb. 6; v. 235; p. 199.
- Road-machine. N. S. Monroe. No. 1,215,045; Feb. 6; v. 235; p. 199.
- Road machinery, Portable. R. E. Leighton and J. H. Clearwater. No. 1,214,692; Feb. 6; v. 235; p. 74.
- Road-making. J. S. Robeson. No. 1,236,875; Aug. 14; v. 241; p. 466.
- Road-making machine. E. E. Emswiller. No. 1,236,919; Aug. 14; v. 241; p. 481.
- Road-making machine. A. C. Willson. No. 1,225,547; May 8; v. 238; p. 547.
- Road-making method and apparatus. J. A. Johnston. No. 1,242,558; Oct. 9; v. 243; p. 886.
- Road or roadway. R. F. Tompkins. No. 1,216,186; Feb. 13; v. 235; p. 638.
- Road-planer. E. A. Wheeler and W. M. Morgan. No. 1,236,518; Aug. 14; v. 241; p. 350.
- Road-planing machine. A. O. Hubbard. No. 1,232,314; July 3; v. 240; p. 260.
- Road recorder and indicator. O. E. Joseph. No. 1,244,743; Oct. 30; v. 243; p. 1164.
- Road-roller. U. Ammann. No. 1,246,696; Nov. 13; v. 244; p. 494.
- Road-signal. C. E. Lyman. No. 1,220,762; Mar. 27; v. 236; p. 1105.
- Road-surfacer. W. S. Bunker. No. 1,226,637; May 22; v. 238; p. 995.
- Road-surfacing material. C. M. Upham. No. 1,240,269; Sept. 18; v. 242; p. 557.
- Road-tar and road-oil from finished surfaces, Composition of matter for the removal of. E. R. Bule. No. 1,248,071; Nov. 27; v. 244; p. 958.
- Road treatment. H. H. Hurt. No. 1,245,349; Nov. 6; v. 244; p. 62.
- Road-working machine. S. M. Chase and F. A. Fleming. No. 1,225,011; May 8; v. 238; p. 366.
- Road-working machine. C. S. Finch and C. H. Wick. No. 1,234,891; July 31; v. 240; p. 1230.
- Road-working machine. N. S. G. W., and A. J. Monroe. No. 1,247,135; Nov. 20; v. 244; p. 659.
- Roads and like surfaces, Manufacture of. J. Hines. No. 1,247,271; Nov. 20; v. 244; p. 698.
- Roads and like surfaces, Means for making or repairing. J. Hines. No. 1,247,272; Nov. 20; v. 244; p. 698.
- Roads or other purposes and roads or paths comprising the same, Cohering or binding composition for. R. F. Tompkins. No. 1,214,972; Feb. 6; v. 235; p. 172.
- Roads, pavements, and the like, Making. W. E. Hassam. No. 1,215,273; Feb. 6; v. 235; p. 276.
- Roadway and pavement. A. E. Schutte. No. 1,218,218; Mar. 6; v. 236; p. 115.
- Roadway-box. A. Bugbee. No. 1,226,747; May 22; v. 238; p. 1031.
- Roadway, Metal. W. A. Crofford. No. 1,234,138; July 24; v. 240; p. 957.
- Roaster. *See—*
- Chilli-roaster. Ore-roaster.
- Coffee-roaster.
- Roaster. H. L. Happer. No. 1,245,710; Nov. 6; v. 244; p. 172.
- Roaster. H. L. Happer. No. 1,245,712; Nov. 6; v. 244; p. 173.
- Roaster, Meat-. H. L. Happer. No. 1,245,711; Nov. 6; v. 244; p. 172.
- Roasting apparatus. A. Weiss. No. 1,212,859; Jan. 16; v. 234; p. 923.
- Roasting-furnace. A. W. Livingston. No. 1,242,455; Oct. 9; v. 243; p. 353.
- Roasting-furnace, Mechanical. W. Schefczik. No. 1,210,852; Jan. 2; v. 234; p. 162.
- Robe and pinning-blanket, Combination sleeping-. L. G. Milkes. No. 1,236,586; Aug. 14; v. 241; p. 371.
- Robe-holder. R. W. Beebe. No. 1,241,700; Oct. 2; v. 243; p. 74.
- Robe-roller. L. D. Shannon. No. 1,238,581; Aug. 28; v. 241; p. 1086.
- Robe, Sleeping-. D. R. Jones, Jr. No. 1,225,966; May 15; v. 238; p. 731.
- Robe-rack. G. H. Higgins. No. 1,233,576; July 17; v. 240; p. 742.
- Robe, Slumber-. G. Tilden. No. 1,247,035; Nov. 20; v. 244; p. 629.
- Robe, Vehicle-. F. W. Collins. No. 1,211,290; Jan. 2; v. 234; p. 315.
- Rock and ore crushers, Pneumatic pitman-balance for swing-jaw. F. M. Webber. No. 1,226,832; May 22; v. 238; p. 1061.
- Rock-drill. S. Ferguson. No. 1,214,665; Feb. 6; v. 235; p. 65.
- Rock-drill. G. H. Gilman. No. 1,234,097; July 17; v. 240; p. 907.
- Rock-drill. G. H. Gilman. No. 1,250,931; Dec. 18; v. 245; p. 801.
- Rock-drill. C. H. Haeseler. No. 1,214,542; Feb. 6; v. 235; p. 21.
- Rock-drill. W. H. Leonard. No. 1,251,391; Dec. 25; v. 245; p. 986.
- Rock-drill. M. Smith. No. 1,232,111; July 3; v. 240; p. 195.
- Rock-drill. D. S. Waugh. No. 1,225,898; May 15; v. 238; p. 708.
- Rock-drill. J. C. Wright. No. 1,218,149; Mar. 6; v. 236; p. 91.
- Rock-drill fastening. C. J. Borgeson. No. 1,236,664; Aug. 14; v. 241; p. 398.
- Rock-drill, Hammer. W. E. Kimber. No. 1,212,141; Jan. 9; v. 234; p. 640.
- Rock-drill-operating mechanism. W. A. Smith. No. 1,219,498; Mar. 20; v. 236; p. 626.
- Rock-drill support. D. J. O'Rourke and F. D. Holdsworth. No. 1,218,604; Mar. 6; v. 236; p. 247.
- Rock-drills, Dust-collector for. G. C. Brackett. No. 1,223,027; Apr. 17; v. 237; p. 780.
- Rock-drilling apparatus. W. A. Smith. No. 1,214,603; Feb. 6; v. 235; p. 42.
- Rock-drilling engine. G. Andersson. No. 1,227,564; May 29; v. 238; p. 1336.
- Rock-drilling machine. W. C. Stephens. No. 1,214,607; Feb. 6; v. 235; p. 44.
- Rock machine-drill for operating with flushing-water. R. Meyer. No. 1,221,469; Apr. 3; v. 237; p. 164.
- Rock-grab. T. L. Durocher. No. 1,216,423; Feb. 20; v. 235; p. 774.
- Rock-shaft. R. D. Grant. No. 1,231,015; June 26; v. 239; p. 1009.
- Rocker-arm. S. H. Page. No. 1,225,267; May 8; v. 238; p. 450.
- Rocker attachment. J. C. Curtis. No. 1,210,429; Jan. 2; v. 234; p. 18.
- Rocker attachment. W. H. Gerrard, Jr. No. 1,231,151; June 26; v. 239; p. 1055.
- Rocker attachment. P. H. Meinhardt. No. 1,227,062; May 22; v. 238; p. 1140.
- Rocking-chair. V. Albano. No. 1,230,642; June 19; v. 239; p. 845.
- Rocking-chair. W. Drosdowet. No. 1,241,357; Sept. 25; v. 242; p. 930.
- Rocking-chair. J. B. Vitullo. No. 1,241,171; Sept. 25; v. 242; p. 870.

Alphabetical list of inventions—Continued.

- Rocking-chair, Manually-operable. A. Prostredny. No. 1,241,277; Sept. 25; v. 242; p. 907.
- Rocking-horse, Progressive. J. F. Wilkinson. No. 1,212,122; Jan. 9; v. 234; p. 633.
- Rod: See—
- Brake-rod. Locomotive side rod.
 - Bridle-rod. Piston-rod.
 - Connecting-rod. Push-rod.
 - Curtain-rod. Radius-rod.
 - End-gate rod. Sheet-metal rod.
 - Electric conducting ground-rod. Sucker-rod.
 - Fishing-rod. Surveyor's rod.
 - Leveling-rod. Target-practice rod.
 - Window-adjusting rod.
- Rod-bending machine. J. Karpouich. No. 1,214,551; Feb. 6; v. 235; p. 24.
- Rod-bending machine. W. B. Myers. No. 1,217,488; Feb. 27; v. 235; p. 1184.
- Rod clamp, Well-polished. H. W. Nutt. No. 1,225,674; May 8; v. 238; p. 590.
- Rod-cooling apparatus, Metal. A. T. Bloom. No. 1,211,277; Jan. 2; v. 234; p. 311.
- Rod-coupling. R. H. Swartsstager. No. 1,233,933; July 17; v. 240; p. 856.
- Rod-cutting device. N. Du Brul. No. 1,226,066; May 15; v. 238; p. 766.
- Rod-holding tool. E. Smith. No. 1,230,814; June 19; v. 239; p. 901.
- Rod-lifting tool. J. M. Miller. No. 1,223,714; Apr. 24; v. 237; p. 1051.
- Rod, Means for controlling an actuating. C. S. Leonard and C. O. Reeps. No. 1,212,965; Jan. 16; v. 234; p. 961.
- Rod-polishing machine. W. J. Heinauer. No. 1,243,837; Oct. 23; v. 243; p. 853.
- Rod-puller. H. H. Lampert. No. 1,220,346; Mar. 27; v. 236; p. 963.
- Rod-pulling machine. A. E. Gilbert. No. 1,249,947; Dec. 11; v. 245; p. 471.
- Rod-rotating tee. L. T. Gay. No. 1,221,438; Apr. 3; v. 237; p. 154.
- Rod-support. C. T. Thompson. No. 1,227,020; May 22; v. 238; p. 1126.
- Rod trimmer or reducer. M. Katzmarek. No. 1,240,221; Sept. 18; v. 242; p. 543.
- Rods, End-support for. C. T. Thompson. No. 1,227,019; May 22; v. 238; p. 1126.
- Rodent-trap. W. D. Bludworth. No. 1,246,857; Nov. 20; v. 244; p. 579.
- Roentgen-ray tube. J. E. Lillienfeld. No. 1,218,423; Mar. 6; v. 236; p. 186.
- Roll-guide. T. H. Mathias. No. 1,236,465; Aug. 14; v. 241; p. 332.
- Roll-holder. A. P. F. Pico. No. 1,217,211; Feb. 27; v. 235; p. 1088.
- Roll-holder. L. N. Sabin. No. 1,225,363; May 8; v. 238; p. 487.
- Roll holder and cutter. H. B. Rich. No. 1,237,960; Aug. 21; v. 241; p. 849.
- Roll-locating device. C. Blumer. No. 1,231,479; June 26; v. 239; p. 1163.
- Roll or spool centering device. E. B. Fish. No. 1,234,746; July 31; v. 240; p. 1186.
- Roll-polisher. A. J. Maskrey. No. 1,212,534; Jan. 16; v. 234; p. 809.
- Roll-polisher. A. J. Maskrey. No. 1,212,535; Jan. 16; v. 234; p. 809.
- Roll, Yielding. G. A. Lawrence. No. 1,232,053; July 3; v. 240; p. 175.
- Rolls, Cleaning and straightening. J. Lally. No. 1,230,584; June 19; v. 239; p. 826.
- Rolls, Manufacture of. S. McMillen. No. 1,241,867; Oct. 2; v. 243; p. 126.
- Rolls, Metal cap for. W. F. Gammeter. No. 1,222,943; Apr. 17; v. 237; p. 751.
- Rolls of fabric, Manipulating and handling. E. B. Cedersstrom. No. 1,210,902; Jan. 2; v. 234; p. 181.
- Rolls, Raising and lowering device for. W. W. Humes. No. 1,241,630; Oct. 2; v. 243; p. 53.
- Roller: See—
- Bandage-roller. Road-roller.
 - Bearing-roller. Robe-roller.
 - Cigarette-roller. Rubber-covered roller.
 - Curtain-roller. Rug-roller.
 - Form-roller. Shade-roller.
 - Land-roller. Sled-runner roller.
 - Paving-roller. Spread-roller.
 - Picker-roller. Spring-roller.
- Roller. J. G. Bailey. No. 1,211,811; Jan. 9; v. 234; p. 526.
- Roller-bit. H. A. Bardeen. No. 1,238,707; Aug. 28; v. 241; p. 1123.
- Roller-mill. R. T. F. Dodds. No. 1,218,634; Mar. 13; v. 236; p. 295.
- Roller-mill. R. T. F. Dodds. No. 1,218,933; Mar. 13; v. 236; p. 404.
- Roller-mill. L. F. Little. No. 1,239,707; Sept. 11; v. 242; p. 344.
- Roller-mill. F. E. Marcy. No. 1,239,286; Sept. 4; v. 242; p. 182.
- Roller-retainer. F. H. Cathcart. No. 1,220,185; Mar. 27; v. 236; p. 904.
- Roller-screen. L. Feld. No. 1,250,827; Dec. 18; v. 245; p. 771.
- Roller-screen, Invisible. W. M. Bliss. No. 1,232,878; Oct. 9; v. 243; p. 489.
- Roller-tables, Manipulator for. C. N. Reese. No. 1,239,623; Sept. 11; v. 242; p. 316.
- Rollers, Chucking device for. L. P. Everoad. No. 1,215,785; Feb. 13; v. 235; p. 493.
- Rolling and finishing mill, Puddle-billet. D. Kaufman, Sr. No. 1,229,283; June 12; v. 239; p. 355.
- Rolling, Art of. N. Metz. No. 1,229,497; June 12; v. 239; p. 427.
- Rolling-machine. W. Erbslöh. No. 1,226,198; May 15; v. 238; p. 810.
- Rolling-machine. F. Hadfield and W. Kuhlthau. No. 1,210,930; Jan. 2; v. 234; p. 191.
- Rolling machine, Hot. R. B. Weaver. No. 1,241,482; Sept. 25; v. 242; p. 967.
- Rolling machine, Metal. D. A. Clark. No. 1,212,325; Jan. 16; v. 234; p. 737.
- Rolling machine, Pipe. C. M. Vaiden. No. 1,245,827; Nov. 6; v. 244; p. 208.
- Rolling-machines, Planetary gearing for. J. G. and G. R. Inshaw. No. 1,247,536; Nov. 20; v. 244; p. 773.
- Rolling metal sections. S. A. Benner. No. 1,226,942; May 22; v. 238; p. 1098.
- Rolling-mill. W. C. Coryell. No. 1,221,029; Apr. 3; v. 237; p. 9.
- Rolling-mill. W. C. Coryell. No. 1,233,647; July 17; v. 240; p. 767.
- Rolling-mill. J. E. Fawell. No. 1,233,209; July 10; v. 240; p. 585.
- Rolling-mill. W. Gildersleeve. No. 1,248,644; Dec. 4; v. 245; p. 64.
- Rolling-mill. C. W. Hawthorne. No. 1,228,433; June 5; v. 239; p. 20.
- Rolling-mill. A. F. Nelson. No. 1,241,242; Sept. 25; v. 242; p. 893.
- Rolling-mill. H. G. O'Brien. No. 1,236,598; Aug. 14; v. 241; p. 375.
- Rolling-mill. C. Thickett and W. Hawsworth. No. 1,239,743; Sept. 11; v. 242; p. 355.
- Rolling-mill for seamless tubes. L. Wolffgram. No. 1,234,245; July 24; v. 240; p. 992.
- Rolling-mill groove-cleaner. F. Scherr, Jr., and B. P. Luce. No. 1,212,116; Jan. 9; v. 234; p. 631.
- Rolling-mill guide. W. W. Leck. No. 1,217,611; Feb. 27; v. 235; p. 1229.
- Rolling-mill housing. J. R. George. No. 1,221,043; Apr. 3; v. 237; p. 14.
- Rolling-mill manipulator. J. Kennedy. No. 1,220,754; Mar. 27; v. 236; p. 1102.
- Rolling-mill pulling device. W. C. Coryell. No. 1,238,002; Aug. 21; v. 241; p. 863.
- Rolling-mill rolls, Apparatus for polishing. A. S. Lind. No. 1,224,389; May 1; v. 238; p. 99.
- Rolling-mill rolls, Cooling mechanism for. C. W. Hawthorne. No. 1,234,899; July 31; v. 240; p. 1233.
- Rolling-mill rolls, Means for grinding and polishing. A. P. Coate. No. 1,212,131; Jan. 9; v. 234; p. 636.
- Rolling-mills, Adjusting mechanism for. M. F. McConnell. No. 1,218,286; Mar. 6; v. 236; p. 140.
- Rolling-mills, Metal-handling apparatus for. W. C. Coryell. No. 1,217,919; Mar. 6; v. 236; p. 12.
- Rolling-mills, Roll construction for. W. J. Bradley. No. 1,211,818; Jan. 9; v. 234; p. 528.
- Rolling-mills, Roll construction for. W. J. Bradley. No. 1,244,464; Oct. 30; v. 243; p. 1078.
- Rolling of flat strips. E. T. Greenfield. No. 1,217,750; Feb. 27; v. 235; p. 1277.
- Rolling or forming car-wheels or other circular bodies. L. F. Dieter. No. 1,243,051; Oct. 16; v. 243; p. 579.
- Rolling or forming car-wheels or other circular bodies, Method of and apparatus or mill for. L. F. Dieter. No. 1,243,050; Oct. 16; v. 243; p. 578.
- Rolling or forming car-wheels or other circular bodies, Method of and means for. L. F. Dieter. No. 1,243,052; Oct. 16; v. 243; p. 579.
- Rolling-pin. E. I. Fletcher. No. 1,212,039; Jan. 9; v. 234; p. 605.
- Rolling-pin. M. E. Southwick. No. 1,247,162; Nov. 20; v. 244; p. 667.
- Rolling screen. J. and P. Gumber and J. Harder. No. 1,215,651; Feb. 13; v. 235; p. 447.
- Rolling screen. J. and P. Gumber and J. Harder. No. 1,242,177; Oct. 9; v. 243; p. 266.
- Rolling spring metal. A. M. Lane. No. 1,229,480; June 12; v. 239; p. 422.
- Rolling-stock. C. C. Clark. No. 1,240,673; Sept. 18; v. 242; p. 682.
- Rollomobile. J. Kunst. No. 1,240,226; Sept. 18; v. 242; p. 544.
- Romper, Child's one-button. B. H. Bohannon. No. 1,243,583; Oct. 16; v. 243; p. 737.
- Roof, Adjustably-clamped. M. J. Neumayer. No. 1,244,763; Oct. 30; v. 243; p. 1170.
- Roof, All-steel. P. M. Beard. No. 1,244,687; Oct. 30; v. 243; p. 1146.
- Roof construction. M. B. Armstrong. No. 1,238,246; Aug. 28; v. 241; p. 976.
- Roof construction. E. W. Brague. No. 1,232,196; July 3; v. 240; p. 221.
- Roof construction. J. H. Griffin. No. 1,250,855; Dec. 18; v. 245; p. 779.

- Roof, Elastic-seam metal. R. N. Mitchell. No. 1,235,714; Aug. 7; v. 241; p. 59.
- Roof-flashing. P. F. McCaffrey. No. 1,244,750; Oct. 30; v. 243; p. 1166.
- Roof form, Reinforced-. R. J. Eldredge. No. 1,227,255; May 22; v. 238; p. 1206.
- Roof-jack. M. Bauer. No. 1,226,169; May 15; v. 238; p. 800.
- Roof, Metallic. D. F. Draper. No. 1,227,402; May 22; v. 238; p. 1251.
- Roof-sheet anchor. J. T. Cralley. No. 1,226,861; May 22; v. 238; p. 1070.
- Roof, Sheet-metal. J. H. Perry. No. 1,240,773; Sept. 18; v. 242; p. 713.
- Roof, Steel. P. M. Beard. No. 1,224,832; May 1; v. 238; p. 254.
- Roof structure. W. S. J. Zwick. No. 1,239,331; Sept. 4; v. 242; p. 195.
- Roof structure. W. S. J. Zwick. No. 1,239,332; Sept. 4; v. 242; p. 195.
- Roof-surfacing grit, Coloring. E. J. Schroder. No. 1,248,170; Nov. 27; v. 244; p. 988.
- Roof-ventilator. W. Sodemann. No. 1,235,609; Aug. 7; v. 241; p. 26.
- Roofs, Flashing and fastening strip for. C. E. Heard. No. 1,218,937; Mar. 13; v. 236; p. 405.
- Roofing. J. S. McGehee. No. 1,226,547; May 15; v. 238; p. 927.
- Roofing. L. F. McNally. No. 1,217,196; Feb. 27; v. 235; p. 1082.
- Roofing. R. C. Neptune. No. 1,226,904; May 22; v. 238; p. 1085.
- Roofing. R. L. Shainwald, Jr. No. 1,210,855; Jan. 2; v. 234; p. 163.
- Roofing and paving composition, Waterproof. P. J. McNamara. No. 1,234,919; July 31; v. 240; p. 1240.
- Roofing and walling. W. McLeod. No. 1,226,097; May 15; v. 238; p. 777.
- Roofing and waterproofing materials, Manufacture of flexible bituminous. C. N. Forrest. No. 1,211,837; Jan. 9; v. 234; p. 536.
- Roofing, Apparatus for producing ornamental. W. P. Dun Lany. No. 1,214,658; Feb. 6; v. 235; p. 62.
- Roofing, Apparatus for producing ornamental. W. P. Dun Lany. No. 1,214,659; Feb. 6; v. 235; p. 63.
- Roofing-bracket. J. R. Boyd. No. 1,241,335; Sept. 25; v. 242; p. 923.
- Roofing-cleat. H. C. Kettelson. No. 1,225,972; May 15; v. 238; p. 733.
- Roofing, Composite. F. L. Foster. No. 1,230,396; June 19; v. 239; p. 761.
- Roofing, Composition. O. R. Emigh. No. 1,220,966; Mar. 27; v. 236; p. 1173.
- Roofing composition. J. B. Wise. No. 1,235,270; July 31; v. 240; p. 1346.
- Roofing-fastener. H. Abraham. No. 1,237,270; Aug. 21; v. 241; p. 629.
- Roofing, Joining sheets of composition. R. P. Perry. No. 1,241,146; Sept. 25; v. 242; p. 863.
- Roofing lap-joint. L. J. B. Schnug. No. 1,220,463; Mar. 27; v. 236; p. 1004.
- Roofing-machine. A. S. Spiegel. No. 1,244,654; Oct. 30; v. 243; p. 1136.
- Roofing, Machine for printing prepared. M. B. Becker. No. 1,222,594; Apr. 17; v. 237; p. 631.
- Roofing material. H. Abraham. No. 1,226,738; May 22; v. 238; p. 1028.
- Roofing material, Apparatus for the manufacture of. S. H. Goldberg. No. 1,250,577; Dec. 18; v. 245; p. 697.
- Roofing material, Mineral-surfaced. F. C. Overbury. No. 1,238,805; Sept. 4; v. 242; p. 27.
- Roofing, Means for ornamenting prepared. W. P. Dun Lany. No. 1,228,191; May 29; v. 238; p. 1546.
- Roofing-nail. S. M. Ford. No. 1,242,675; Oct. 9; v. 243; p. 425.
- Roofing, Prepared. W. F. McKay. No. 1,219,652; Mar. 20; v. 236; p. 681.
- Roofing product and making same. S. H. Goldberg. No. 1,250,578; Dec. 18; v. 245; p. 697.
- Roofing-sheet. E. G. Welch. No. 1,251,310; Dec. 25; v. 245; p. 963.
- Roofing-shingle and laying same. W. H. Garges. No. 1,227,776; May 29; v. 238; p. 1408.
- Roofing-strip. O. A. Heppes. No. 1,243,064; Oct. 16; v. 243; p. 584.
- Roofing, Tile. F. C. Overbury and H. C. Platts. No. 1,221,370; Apr. 3; v. 237; p. 130.
- Roofing-trestle. D. P. West. No. 1,248,228; Nov. 27; v. 244; p. 1003.
- Roost. M. E. Ryther and F. E. Hillery. No. 1,249,202; Dec. 4; v. 245; p. 223.
- Roost, Chicken. C. Michaud. No. 1,213,526; Jan. 23; v. 234; p. 1189.
- Roost, Chicken-. J. H. Weldon. No. 1,232,136; July 3; v. 240; p. 204.
- Roost, Poultry-. S. J. Beagle. No. 1,214,412; Jan. 30; v. 234; p. 1523.
- Roost, Poultry-. B. T. Bouma. No. 1,246,705; Nov. 13; v. 244; p. 497.
- Roost, Poultry-. F. Lillie. No. 1,245,159; Nov. 6; v. 244; p. 5.
- Roost, Poultry-. H. Meyer. No. 1,227,647; May 29; v. 238; p. 1363.
- Roost, Sanitary poultry-. J. C. Wilkins. No. 1,233,533; July 17; v. 240; p. 726.
- Roosting and dropping-board combination, Poultry. F. A. Cook. No. 1,217,278; Feb. 27; v. 235; p. 1110.
- Root-cutter. J. W. Adams and R. L. Carrick. No. 1,211,655; Jan. 9; v. 234; p. 471.
- Rope-clamp. R. W. Lee. No. 1,250,599; Dec. 18; v. 245; p. 703.
- Rope-clamp. C. L. Matthews. No. 1,227,167; May 22; v. 238; p. 1177.
- Rope-clamping device. J. H. Heuser. No. 1,241,379; Sept. 25; v. 242; p. 936.
- Rope-coupling. V. H. McEntire. No. 1,241,230; Sept. 25; v. 242; p. 888.
- Rope-fastener. R. N. Kesterson. No. 1,251,048; Dec. 25; v. 245; p. 886.
- Rope fastener, Adjustable wire-. R. A. Walters. No. 1,233,939; July 17; v. 240; p. 858.
- Rope-holder. S. Witherell. No. 1,248,973; Dec. 4; v. 245; p. 158.
- Rope-making machine. N. E. Sherwood. No. 1,215,584; Feb. 13; v. 235; p. 422.
- Rope-meter. E. M. Gant. No. 1,223,955; Apr. 24; v. 237; p. 1135.
- Rope or wire clamp. R. D. McIntyre. No. 1,238,167; Aug. 28; v. 241; p. 951.
- Rope-socket. C. C. Sunderland. No. 1,250,525; Dec. 18; v. 245; p. 680.
- Rope-tightener. J. N. Hoffman. No. 1,248,328; Nov. 27; v. 244; p. 1032.
- Ropes, Marking device for. M. C. Dodge. No. 1,216,964; Feb. 20; v. 235; p. 958.
- Ropes, rope handles, cords, and the like, Device for fastening or securing. R. O. D. Hall and H. A. Duxbury. No. 1,225,623; May 8; v. 238; p. 573.
- Rosin from low-grade rosin, Producing high-grade. M. G. Donk. No. 1,219,413; Mar. 13; v. 236; p. 567.
- Rotary bit. E. Double. No. 1,224,287; May 1; v. 238; p. 62.
- Rotary core-drill. T. B. Smith. No. 1,224,509; May 1; v. 238; p. 141.
- Rotary cutter. H. M. Loomer. No. 1,246,962; Nov. 20; v. 244; p. 609.
- Rotary cutter. J. L. Megathlin. No. 1,217,108; Feb. 20; v. 235; p. 1007.
- Rotary cutter. T. H. Parker. No. 1,242,369; Oct. 9; v. 243; p. 326.
- Rotary cutter. T. B. Williams and F. L. Smith. No. 1,227,514; May 22; v. 238; p. 1289.
- Rotary cutter for sugar-cane and the like. J. Meinecke. No. 1,217,326; Feb. 27; v. 235; p. 1126.
- Rotary-cylinder motor. F. J. C. Tesse. No. 1,220,706; Mar. 27; v. 236; p. 1086.
- Rotary devices, Means for supporting and adjusting. J. F. and H. E. Dodge. No. 1,212,461; Jan. 16; v. 234; p. 783.
- Rotary drier. N. M. Rosendahl. No. 1,229,524; June 12; v. 239; p. 437.
- Rotary drier. W. W. Swengel. No. 1,240,386; Sept. 18; v. 242; p. 594.
- Rotary drier, Mechanical. W. E. Prindle. No. 1,222,244; Apr. 10; v. 237; p. 467.
- Rotary drill. L. S. Gardner. No. 1,238,757; Sept. 4; v. 242; p. 12.
- Rotary elastic-fluid engine. W. H. Seddon. No. 1,231,437; June 26; v. 239; p. 1150.
- Rotary engine. E. E. Allen. No. 1,234,599; July 24; v. 240; p. 1106.
- Rotary engine. B. F. Augustine. No. 1,229,569; June 12; v. 239; p. 453.
- Rotary engine. B. F. Augustine. No. 1,238,870; Sept. 4; v. 242; p. 48.
- Rotary engine. M. Betzle. No. 1,220,594; Mar. 27; v. 236; p. 1049.
- Rotary engine. J. B. Boudreau, Jr. No. 1,231,995; July 3; v. 240; p. 153.
- Rotary engine. F. A. Brooks. No. 1,226,745; May 22; v. 238; p. 1030.
- Rotary engine. C. W. and W. A. Brown. No. 1,231,328; June 26; v. 239; p. 1113.
- Rotary engine. W. C. F. Brueggemann. No. 1,249,896; Dec. 11; v. 245; p. 457.
- Rotary engine. J. T. Case. No. 1,250,430; Dec. 18; v. 245; p. 652.
- Rotary engine. J. T. Dickson. No. 1,236,274; Aug. 7; v. 241; p. 239.
- Rotary engine. J. T. Dickson. No. 1,236,275; Aug. 7; v. 241; p. 239.
- Rotary engine. A. Dupuis. No. 1,238,650; Aug. 28; v. 241; p. 1107.
- Rotary engine. I. L. Eastman. No. 1,242,332; Oct. 9; v. 243; p. 315.
- Rotary engine. C. R. Eliason. No. 1,211,563; Jan. 9; v. 234; p. 441.
- Rotary engine. J. Graves. No. 1,227,780; May 29; v. 238; p. 1409.
- Rotary engine. J. B. Hager. No. 1,235,201; July 31; v. 240; p. 1326.
- Rotary engine. E. Harrigan. No. 1,229,949; June 12; v. 239; p. 578.
- Rotary engine. A. J. Howd. No. 1,229,179; June 5; v. 239; p. 271.
- Rotary engine. M. M. and C. W. Jackman. No. 1,239,694; Sept. 11; v. 242; p. 340.

Alphabetical list of inventions—Continued.

- Rotary engine. M. A. Krikorian. No. 1,212,649; Jan. 16; v. 234; p. 851.
- Rotary engine. F. H. Lindenberg. No. 1,247,552; Nov. 20; v. 244; p. 777.
- Rotary engine. T. H. Lindley and H. Schreier. No. 1,220,244; Mar. 27; v. 236; p. 924.
- Rotary engine. E. M. Long. No. 1,217,789; Feb. 27; v. 235; p. 1290.
- Rotary engine. G. W. MacKinnon. No. 1,248,518; Dec. 4; v. 245; p. 26.
- Rotary engine. F. Marion. No. 1,219,829; Mar. 20; v. 236; p. 742.
- Rotary engine. J. M. Martin. No. 1,231,769; July 3; v. 240; p. 78.
- Rotary engine. M. Mehle. No. 1,247,700; Nov. 27; v. 244; p. 853.
- Rotary engine. C. M. Mitschow and W. A. Ramey. No. 1,219,837; Mar. 20; v. 236; p. 744.
- Rotary engine. G. F. Moors. No. 1,227,173; May 22; v. 238; p. 1179.
- Rotary engine. A. E. Mueller. No. 1,225,844; May 15; v. 238; p. 690.
- Rotary engine. H. A. Myers. No. 1,229,643; June 12; v. 239; p. 478.
- Rotary engine. F. Nearing. No. 1,241,755; Oct. 2; v. 243; p. 92.
- Rotary engine. T. F. I. O'Brien. No. 1,223,721; Apr. 24; v. 237; p. 1054.
- Rotary engine. E. F. O'Haver. No. 1,223,100; Apr. 17; v. 237; p. 805.
- Rotary engine. F. G. O'Rourke. No. 1,247,868; Nov. 27; v. 244; p. 903.
- Rotary engine. E. W. Prigan. No. 1,230,923; June 26; v. 239; p. 975.
- Rotary engine. N. A. Roberts. No. 1,232,845; July 10; v. 240; p. 466.
- Rotary engine. M. A. Rohmer. No. 1,250,663; Dec. 18; v. 245; p. 721.
- Rotary engine. J. M. Sanders. No. 1,220,688; Mar. 27; v. 236; p. 1080.
- Rotary engine. R. Saunders. No. 1,232,850; July 10; v. 240; p. 468.
- Rotary engine. R. Saunders. No. 1,236,009; Aug. 7; v. 241; p. 157.
- Rotary engine. A. Schwarz. No. 1,239,829; Sept. 11; v. 242; p. 383.
- Rotary engine. G. Silvestri. No. 1,227,968; May 29; v. 238; p. 1474.
- Rotary engine. R. A. Stewart. No. 1,222,046; Apr. 10; v. 237; p. 396.
- Rotary engine. E. Tanner. No. 1,250,709; Dec. 18; v. 245; p. 735.
- Rotary engine. G. Temple. No. 1,218,716; Mar. 13; v. 236; p. 324.
- Rotary engine. L. B. Thomas. No. 1,216,378; Feb. 20; v. 235; p. 757.
- Rotary engine. J. A. Ulberg. No. 1,248,208; Nov. 27; v. 244; p. 997.
- Rotary engine. A. Watterberg. No. 1,227,350; May 22; v. 238; p. 1235.
- Rotary engine. J. B. Whitted. No. 1,239,752; Sept. 11; v. 242; p. 358.
- Rotary engine. C. N. Wikander. No. 1,214,981; Feb. 6; v. 235; p. 176.
- Rotary engine. S. C. Winger. No. 1,240,112; Sept. 11; v. 242; p. 468.
- Rotary engine, internal-combustion. B. Conklin. No. 1,246,885; Nov. 20; v. 244; p. 587.
- Rotary explosive-engine. A. W. Bruce. No. 1,228,401; June 5; v. 239; p. 9.
- Rotary explosive-engine. P. D. Hibner. No. 1,242,693; Oct. 9; v. 243; p. 430.
- Rotary gas-engine. G. S. Dawe. No. 1,229,590; June 12; v. 239; p. 459.
- Rotary internal-combustion engine. J. Baudot. No. 1,248,441; Dec. 4; v. 245; p. 4.
- Rotary internal-combustion engine. C. R. Carpenter. No. 1,246,875; Nov. 20; v. 244; p. 583.
- Rotary internal-combustion engine. F. L. Cole. No. 1,240,947; Sept. 25; v. 242; p. 801.
- Rotary internal-combustion engine. B. M. Dutton and F. L. Jobson. No. 1,228,101; May 29; v. 238; p. 1519.
- Rotary internal-combustion engine. B. F. Gebhardt. No. 1,213,092; Jan. 16; v. 234; p. 1004.
- Rotary internal-combustion engine. S. D. Griffin and E. R. Kirk. No. 1,221,171; Apr. 3; v. 237; p. 60.
- Rotary internal-combustion engine. I. B. Humphreys. No. 1,233,579; July 17; v. 240; p. 743.
- Rotary internal-combustion engine. A. Johnson. No. 1,242,197; Oct. 9; v. 243; p. 272.
- Rotary internal-combustion engine. J. Langteig. No. 1,247,973; Nov. 27; v. 244; p. 933.
- Rotary internal-combustion engine. A. E. and W. Painter. No. 1,238,806; Sept. 4; v. 242; p. 27.
- Rotary internal-combustion engine. L. W. and A. M. Riggs. No. 1,225,056; May 8; v. 238; p. 381.
- Rotary internal-combustion engine. O. F. Ring. No. 1,237,387; Aug. 21; v. 241; p. 668.
- Rotary internal-combustion engine. C. W. Sears. No. 1,222,475; Apr. 10; v. 237; p. 549.
- Rotary internal-combustion engine. J. M. Siner. No. 1,228,072; May 29; v. 238; p. 1509.
- Rotary internal-combustion engine. M. K. Thayer. No. 1,241,303; Sept. 25; v. 242; p. 915.
- Rotary internal-combustion engine. S. P. Tierney. No. 1,216,184; Feb. 13; v. 235; p. 637.
- Rotary internal-combustion engine. F. Walter. No. 1,239,853; Sept. 11; v. 242; p. 391.
- Rotary internal-combustion engine. H. C. Well. No. 1,229,001; June 5; v. 239; p. 211.
- Rotary machine. H. T. Cyphers and F. E. Holmes. No. 1,226,864; May 22; v. 238; p. 1071.
- Rotary machine. J. A. Fleming. No. 1,235,786; Aug. 7; v. 241; p. 84.
- Rotary machine. E. Troy. No. 1,251,305; Dec. 25; v. 245; p. 961.
- Rotary mill. F. A. Jordan. No. 1,224,933; May 8; v. 238; p. 340.
- Rotary motor. F. J. Crompt, F. J. and H. S. Peebles. No. 1,214,434; Jan. 30; v. 234; p. 1529.
- Rotary motor. P. J. Darlington. No. 1,225,224; May 8; v. 238; p. 437.
- Rotary motor. J. Dow. No. 1,246,248; Nov. 13; v. 244; p. 860.
- Rotary motor. H. J. Mattern. No. 1,218,290; Mar. 6; v. 236; p. 141.
- Rotary motor. E. E. McCulley. No. 1,239,412; Sept. 4; v. 242; p. 220.
- Rotary motor. M. Mehle. No. 1,244,529; Oct. 30; v. 243; p. 1097.
- Rotary motor and pump. C. K. Simpson. No. 1,249,527; Dec. 11; v. 245; p. 348.
- Rotary multicylinder engine. R. Cowles. No. 1,245,443; Nov. 6; v. 244; p. 90.
- Rotary press. H. F. Bechman. No. 1,240,012; Sept. 11; v. 242; p. 440.
- Rotary shovel. G. A. Anderson. No. 1,245,656; Nov. 6; v. 244; p. 157.
- Rotary steam-engine. A. Borrás and F. Iriarte. No. 1,220,173; Mar. 27; v. 236; p. 900.
- Rotary steam-engine. V. Edwards. No. 1,211,831; Jan. 9; v. 234; p. 533.
- Rotary steam-engine. J. H. Jackson. No. 1,217,768; Feb. 27; v. 235; p. 1282.
- Rotary-top table. H. O. Eddingsaas. No. 1,225,228; May 8; v. 238; p. 438.
- Rotating motion, intermittent. L. L. Scott. No. 1,218,959; Mar. 13; v. 236; p. 412.
- Rotating motor. I. M. Davidson. No. 1,219,377; Mar. 13; v. 236; p. 555.
- Rotation-meter. E. A. Larson. No. 1,214,690; Feb. 6; v. 235; p. 74.
- Rotor-winding for asynchronous machines. S. G. Nottage. No. 1,238,321; Aug. 28; v. 241; p. 1001.
- Rotors, construction of turbine and like. C. A. Parsons, A. Q. Carnegie, and S. S. Cook. No. 1,210,978; Jan. 2; v. 234; p. 208.
- Rouge-pad. W. G. Kendall. No. 1,213,501; Jan. 23; v. 234; p. 1180.
- Rouge-pad holder. W. G. Kendall. No. 1,236,843; Aug. 14; v. 241; p. 457.
- Rouge-pad holder. W. G. Kendall. No. 1,236,844; Aug. 14; v. 241; p. 457.
- Round box. C. R. and J. J. Meldrim. No. 1,215,956; Feb. 13; v. 235; p. 556.
- Rounding and channeling machine. J. Cavanagh. No. 1,235,960; Aug. 7; v. 241; p. 141.
- Rounding-machine. A. R. Schoenky. No. 1,243,228; Oct. 16; v. 243; p. 632.
- Route indicating and lighting system, electric. A. Blackmore. No. 1,219,230; Mar. 13; v. 236; p. 504.
- Route-indicator. H. Cranmer. No. 1,246,240; Nov. 13; v. 244; p. 358.
- Routing-cutter. V. E. Royle. No. 1,235,604; Aug. 7; v. 241; p. 25.
- Routing-rack. F. A. Murray. No. 1,214,434; Jan. 30; v. 234; p. 1403.
- Rowboat. G. G. McDonald. No. 1,226,005; May 15; v. 238; p. 777.
- Rowboat-motor, detachable. C. J. Meyer. No. 1,231,046; June 26; v. 239; p. 1019.
- Rowboat-seat. J. E. Goldthwait. No. 1,245,098; Oct. 30; v. 243; p. 1270.
- Rowing-machine. W. C. Firth. No. 1,217,292; Feb. 27; v. 235; p. 1115.
- Rowing-machine. E. C. Ostlin. No. 1,247,869; Nov. 27; v. 244; p. 903.
- Rowlock. H. W. Kippes. No. 1,225,824; May 15; v. 238; p. 684.
- Rows, device for arranging articles in. E. M. Fischer. No. 1,240,834; Sept. 25; v. 242; p. 766.
- Rubber and other heavy plastic material, machine for treating. T. H. Banbury. No. 1,227,522; May 22; v. 238; p. 1292.
- Rubber and other heavy plastic material, machine for treating. F. H. Banbury. No. 1,234,526; July 24; v. 240; p. 1084.
- Rubber and other heavy plastic material, machine for treating. F. H. Banbury. No. 1,235,757; Aug. 7; v. 241; p. 74.
- Rubber and other similar substances, vulcanization of. G. Bernstein. No. 1,240,116; Sept. 11; v. 242; p. 470.
- Rubber and producing the same, vulcanized. E. D. Meus. No. 1,229,724; June 12; v. 239; p. 503.
- Rubber and product obtained thereby, vulcanizing. Ostromislensky. No. 1,242,586; Oct. 9; v. 243; p. 397.
- Rubber and products obtained thereby, vulcanizing. Ostromislensky. No. 1,249,180; Dec. 4; v. 245; p. 217.

- Rubber and products obtained thereby, Vulcanizing. I. Ostromislensky. No. 1,249,181; Dec. 4; v. 245; p. 217.
- Rubber, Article composed partly of. K. Brown. No. 1,250,959; Dec. 25; v. 245; p. 860.
- Rubber-article mold. H. E. Fry. No. 1,218,641; Mar. 13; v. 236; p. 297.
- Rubber articles, Apparatus for forming and vulcanizing. N. W. McLeod. No. 1,213,223; Jan. 23; v. 234; p. 1083.
- Rubber articles, Apparatus for forming and vulcanizing. N. W. McLeod. No. 1,213,224; Jan. 23; v. 234; p. 1084.
- Rubber articles, Apparatus for manufacture of hollow. J. W. Brundage. No. 1,232,764; July 10; v. 240; p. 441.
- Rubber articles, Apparatus for treating. J. T. Crowley. No. 1,225,779; May 15; v. 238; p. 669.
- Rubber articles, Apparatus for treating. W. P. McGeouch. No. 1,213,665; Jan. 23; v. 234; p. 1237.
- Rubber articles, Form for. C. E. Bradley. No. 1,240,931; Sept. 25; v. 242; p. 797.
- Rubber articles, Forming fabric-lined. J. W. Donnenwirth. No. 1,226,481; May 15; v. 238; p. 906.
- Rubber articles, Manufacture of. R. B. Price. No. 1,211,351; Jan. 2; v. 234; p. 333.
- Rubber articles, Ornamenting. F. J. Creque. No. 1,251,182; Dec. 25; v. 245; p. 924.
- Rubber articles, Process of and apparatus for making hollow. F. T. Roberts. No. 1,219,351; Mar. 13; v. 236; p. 645.
- Rubber articles, Vulcanizing. T. Whittelsey. No. 1,238,236; Aug. 28; v. 241; p. 973.
- Rubber bumper. P. H. Gundermann. No. 1,233,051; July 10; v. 240; p. 533.
- Rubber-cloth and the like, Trimming device for. O. E. Heckman. No. 1,216,315; Feb. 20; v. 235; p. 735.
- Rubber composition and making the same. M. F. Coughlin. No. 1,217,157; Feb. 27; v. 235; p. 1070.
- Rubber composition and preparing same, Vulcanized-. H. A. Gardner. No. 1,247,257; Nov. 20; v. 244; p. 694.
- Rubber compound. E. Von Vargyas. No. 1,246,192; Nov. 13; v. 244; p. 344.
- Rubber compound and making same. E. E. A. G. Meyer. No. 1,242,886; Oct. 9; v. 243; p. 491.
- Rubber, Compounding. W. C. Geer. No. 1,245,700; Nov. 6; v. 244; p. 170.
- Rubber-covered roller. J. Muskett. No. 1,226,984; May 22; v. 238; p. 1114.
- Rubber-dam sheets, Container and cutter for. A. H. Jensen. No. 1,239,695; Sept. 11; v. 242; p. 340.
- Rubber, Electrically-heated seam-. E. N. Chandler. No. 1,239,257; Sept. 4; v. 242; p. 173.
- Rubber fabric and producing the same, Porous. A. B. Kempel. No. 1,229,284; June 12; v. 239; p. 356.
- Rubber flooring, Making mottled. A. B. Kempel. No. 1,215,382; Feb. 13; v. 235; p. 348.
- Rubber footwear, Apparatus for treating. A. A. Glidden, E. P. Dorman, and G. L. Finch. No. 1,228,904; June 5; v. 239; p. 180.
- Rubber footwear, Fluid-press for. J. R. Gammeter. No. 1,232,787; July 10; v. 240; p. 448.
- Rubber, Forming articles of sheet-. F. A. Cigol. No. 1,249,030; Dec. 4; v. 245; p. 175.
- Rubber goods and the like, Manufacture of. T. Sloper. No. 1,232,110; July 3; v. 240; p. 195.
- Rubber goods, Machine for making. M. H. Clark. No. 1,218,983; Mar. 13; v. 236; p. 420.
- Rubber heels or soles, Manufacturing. F. D. Philp. No. 1,230,510; June 19; v. 239; p. 800.
- Rubber, Impregnating fabrics with. I. S. McGlehan. No. 1,228,458; June 5; v. 239; p. 28.
- Rubber jars from cores, Method of and apparatus for stripping. H. L. Boyer. No. 1,251,175; Dec. 25; v. 245; p. 923.
- Rubber, Machine for treating sheet-. M. H. Clark. No. 1,226,949; May 22; v. 238; p. 1100.
- Rubber-mills, Separating device for. J. J. Shea. No. 1,249,216; Dec. 4; v. 245; p. 228.
- Rubber-mixing machine. R. M. Graham. No. 1,220,221; Mar. 27; v. 236; p. 916.
- Rubber molding-blanks, Method and apparatus for producing. J. R. Gammeter. No. 1,214,295; Jan. 30; v. 234; p. 1484.
- Rubber or paint, Making a filler for. W. B. Rosevear, Jr. No. 1,237,704; Aug. 21; v. 241; p. 771.
- Rubber or rubber compounds, Treatment of. C. Hofer. No. 1,242,189; Oct. 9; v. 243; p. 269.
- Rubber or the like, Article composed partly of. O. F. Conklin. No. 1,218,596; Mar. 6; v. 236; p. 244.
- Rubber or the like, Article composed partly of. W. O. Kennington. No. 1,218,568; Mar. 6; v. 236; p. 235.
- Rubber product and making same, Vulcanized cumaron-. A. A. Wells. No. 1,248,226; Nov. 27; v. 244; p. 1003.
- Rubber-receptacle. S. Bragman and S. Wagreich. No. 1,228,396; June 5; v. 239; p. 7.
- Rubber, Removing the combined sulfur from vulcanized. D. Spence. No. 1,235,852; Aug. 7; v. 241; p. 105.
- Rubber stamp of the band type. A. H. Rogers. No. 1,247,014; Nov. 20; v. 244; p. 624.
- Rubber substitute. J. Flint. No. 1,233,459; July 17; v. 240; p. 703.
- Rubber substitute and making the same. S. Satow. No. 1,245,979; Nov. 6; v. 244; p. 250.
- Rubber substitute, Composition of matter for use as a. F. A. Halsey. No. 1,223,692; Apr. 24; v. 237; p. 1045.
- Rubber treads, Plug for. G. E. Rollins. No. 1,217,881; Feb. 27; v. 235; p. 1320.
- Rubber-treated fabric from sticking to the liner-strip, Preventing. E. B. Cederstrom. No. 1,237,471; Aug. 21; v. 241; p. 694.
- Rubber, Treating. H. Hunter. No. 1,218,261; Mar. 6; v. 236; p. 132.
- Rubber, Treating. E. E. A. G. Meyer. No. 1,218,949; Mar. 13; v. 236; p. 408.
- Rubber, Treating vulcanized. F. V. O'Neill. No. 1,243,623; Oct. 16; v. 243; p. 750.
- Rubber tubes, Machine for wrapping. I. Zwiler. No. 1,230,262; June 19; v. 239; p. 718.
- Rubber tubing, Manufacture of. J. R. Gammeter. No. 1,210,455; Jan. 2; v. 234; p. 27.
- Rubber, Vulcanizing. W. B. Burke. No. 1,216,654; Feb. 20; v. 235; p. 854.
- Rubber, Vulcanizing. R. B. Price. No. 1,237,554; Aug. 21; v. 241; p. 722.
- Rubber waste, Recovering. R. F. Kinsley, J. D. Morron, and C. R. Haynes. No. 1,215,941; Feb. 13; v. 235; p. 550.
- Rubber with selenium or its compounds, Vulcanizing. C. R. Boggs. No. 1,249,272; Dec. 4; v. 245; p. 244.
- Rubbing-machine. G. H. Ekstrom. No. 1,237,491; Aug. 21; v. 241; p. 700.
- Rubbing-machine. G. H. Ekstrom. No. 1,238,062; Aug. 21; v. 241; p. 883.
- Rubbing-post. R. H. Bloomer. No. 1,225,920; May 15; v. 238; p. 716.
- Rubbing-post. F. F. Miller. No. 1,243,961; Oct. 23; v. 243; p. 890.
- Rubbing-post. E. Starbuck. No. 1,212,415; Jan. 16; v. 234; p. 767.
- Rudder, Boat's. N. Jantzen. No. 1,211,316; Jan. 2; v. 234; p. 323.
- Rudder control. F. W. Wood. No. 1,225,913; May 15; v. 238; p. 713.
- Ruffling-machine. J. R. Moffatt. No. 1,210,671; Jan. 2; v. 234; p. 102.
- Rug. L. S. Kinnard. No. 1,213,656; Jan. 23; v. 234; p. 1233.
- Rug and carpet fastener. G. B. Shaw. No. 1,236,217; Aug. 7; v. 241; p. 222.
- Rug and fastening, Combined. D. J. O'Leary. No. 1,242,717; Oct. 9; v. 243; p. 438.
- Rug and making same. F. B. Foster. No. 1,249,734; Dec. 11; v. 245; p. 408.
- Rug-beater. C. B. Heim. No. 1,237,205; Aug. 14; v. 241; p. 569.
- Rug-holder. J. Doyle. No. 1,224,615; May 1; v. 238; p. 179.
- Rug, mat, or other covering and making the same. F. W. Tully. No. 1,223,538; Apr. 24; v. 237; p. 990.
- Rug, Outdoor. J. E. Conner. No. 1,237,243; Aug. 14; v. 241; p. 583.
- Rug-roller. C. and J. Fouse. No. 1,235,457; July 31; v. 240; p. 1401.
- Rugs, Device for rolling. C. R. Taylor and M. Braymes. No. 1,226,407; May 15; v. 238; p. 883.
- Rugs, Drying-chamber for. W. E. Olson. No. 1,222,560; Apr. 10; v. 237; p. 579.
- Rugs, Means for treating seams of. H. E. Terry. No. 1,234,233; July 24; v. 240; p. 988.
- Rugs, Removable eyelet for passing electric conductors through. B. G. Casbarian. No. 1,235,184; July 31; v. 240; p. 1320.
- Rule. J. W. Tripp. No. 1,223,644; Apr. 24; v. 237; p. 1027.
- Rule, Aluminum. P. J. Leavens. No. 1,249,132; Dec. 4; v. 245; p. 202.
- Rule and square, Combined. E. Grossmann. No. 1,237,328; Aug. 21; v. 241; p. 649.
- Rule, Combination plumb-. A. G. Berkeville. No. 1,235,956; Aug. 7; v. 241; p. 140.
- Rule, compasses, square, and angle, Combination. R. A. Parent. No. 1,212,549; Jan. 16; v. 234; p. 815.
- Rule, Degree-bevel-scale. M. J. Ossman. No. 1,248,897; Dec. 4; v. 245; p. 138.
- Rule, Elevated drafting-. A. E. Anderson. No. 1,213,813; Jan. 30; v. 234; p. 1317.
- Rule, Folding. J. F. Clugstone. No. 1,216,075; Feb. 13; v. 235; p. 598.
- Rule-holder. W. D. Ferris. No. 1,220,212; Mar. 27; v. 236; p. 913.
- Rule-holder. N. G. Forman. No. 1,247,103; Nov. 20; v. 244; p. 650.
- Rule-holder. H. R. Haysley. No. 1,250,166; Dec. 18; v. 245; p. 573.
- Rule, Indicator-card scaling-. L. A. Krueger. No. 1,215,663; Feb. 13; v. 235; p. 452.
- Rule joint, Folding-. E. A. Schade. No. 1,227,206; May 22; v. 238; p. 1189.
- Rule, level, try-square, and calipers, Combined. J. W. Maxwell. No. 1,220,664; Mar. 27; v. 236; p. 1072.
- Rule, Scale-. M. P. Miller. No. 1,219,836; Mar. 20; v. 236; p. 744.
- Rule, Slide-. A. W. Kelly and J. Hornyak. No. 1,210,438; Jan. 2; v. 234; p. 39.
- Rule, Slide-. F. O. Stillman and H. M. Schleicher. No. 1,250,379; Dec. 18; v. 245; p. 636.
- Rules, Pencil attachment for sectional. H. Hauptman. No. 1,227,614; May 29; v. 238; p. 1351.

Alphabetical list of inventions—Continued.

- Rules, Making aluminum. P. J. Leavens. No. 1,211,458; Jan. 9; v. 234; p. 404.
- Ruler and pencil-sharpener, Combined. R. W. Hurley. No. 1,240,145; Sept. 11; v. 242; p. 478.
- Ruler, Combination-. M. Begany. No. 1,224,592; May 1; v. 238; p. 171.
- Ruler, Flexible. A. Malsin. No. 1,233,382; July 17; v. 240; p. 677.
- Ruling-machine. H. E. Lindblad. No. 1,220,350; Mar. 27; v. 236; p. 964.
- Ruling-machine. H. E. Lindblad. No. 1,220,351; Mar. 27; v. 236; p. 965.
- Ruling-machine. H. E. Lindblad. No. 1,242,823; Oct. 9; v. 243; p. 471.
- Ruling-machines, Pen-clamp for. G. Van Wormer. No. 1,217,370; Feb. 27; v. 235; p. 1142.
- Ruling-machines, Pen-clamp for. A. Broadmeyer. No. 1,248,256; Nov. 27; v. 244; p. 1012.
- Ruling-machines, Tripping device for. H. E. Lindblad. No. 1,220,352; Mar. 27; v. 236; p. 965.
- Ruling system. J. J. McCarthy. No. 1,238,795; Sept. 4; v. 242; p. 23.
- Runner attachment. T. A. Bedard. No. 1,217,136; Feb. 27; v. 235; p. 1063.
- Runner attachment. G. A. Ritz. No. 1,251,423; Dec. 25; v. 245; p. 995.
- Running-gear. E. Morris, Jr. No. 1,218,885; Mar. 13; v. 236; p. 388.
- Running-gear, Tight and loose. J. L. McDowell. No. 1,224,760; May 1; v. 238; p. 229.
- Running-switch for electric vehicles. C. A. Ward. No. 1,242,619; Oct. 9; v. 243; p. 407.
- Rust, Composition for producing artificial. C. M. Bowman. No. 1,215,471; Feb. 13; v. 235; p. 378.
- Sack. A. E. Erickson. No. 1,234,318; July 24; v. 240; p. 1016.
- Sack-fastening means. R. L. Callahan. No. 1,242,139; Oct. 9; v. 243; p. 254.
- Sack-filling machine. H. W. Gladitsch. No. 1,236,923; Aug. 14; v. 241; p. 482.
- Sack-handle. E. N. Malvern and W. W. Jones. No. 1,237,930; Aug. 21; v. 241; p. 840.
- Sack-holder. F. H. Gilbert. No. 1,244,318; Oct. 23; v. 243; p. 997.
- Sack-holder. T. H. D. May. No. 1,237,936; Aug. 21; v. 241; p. 842.
- Sack-holder. G. Smith. No. 1,240,612; Sept. 18; v. 242; p. 662.
- Sack holder and support. I. Alstrom. No. 1,226,295; May 15; v. 238; p. 848.
- Sack holder and weigher, Combined. A. Lilja. No. 1,230,734; June 19; v. 239; p. 874.
- Sack-spreader and gage. J. O. Blum. No. 1,211,278; Jan. 2; v. 234; p. 311.
- Sacker. A. L. Johnson. No. 1,250,316; Dec. 18; v. 245; p. 617.
- Sad-iron. L. Hoffman. No. 1,218,863; Mar. 13; v. 236; p. 380.
- Sad-iron. L. Hoffman. No. 1,241,216; Sept. 25; v. 242; p. 884.
- Sad-iron. L. Margolis. No. 1,215,176; Feb. 6; v. 235; p. 241.
- Sad-iron. H. W. O'Dowd. No. 1,228,043; May 29; v. 238; p. 1499.
- Sad-iron. H. W. O'Dowd. No. 1,244,887; Oct. 30; v. 243; p. 1207.
- Sad-iron. M. Sunshine. No. 1,238,955; Sept. 4; v. 242; p. 75.
- Sad-iron. F. D. Vollmer. No. 1,216,522; Feb. 20; v. 235; p. 807.
- Sad-iron and heating utensil, Combination. J. B. McLene. No. 1,226,230; May 15; v. 238; p. 821.
- Sad-iron, Electric. D. C. Hughes. No. 1,243,412; Oct. 16; v. 243; p. 685.
- Sad-iron, Electrically-heated. E. V. Manzella. No. 1,212,082; Jan. 9; v. 234; p. 619.
- Sad-iron handle. A. M. Welsh. No. 1,238,230; Aug. 28; v. 241; p. 971.
- Sad-iron heater. G. W. Keplinger. No. 1,230,411; June 19; v. 239; p. 766.
- Sad-iron, Self-heating. O. Spahr. No. 1,237,568; Aug. 21; v. 241; p. 726.
- Sad-iron, Self-heating. C. Stiehler. No. 1,242,489; Oct. 9; v. 243; p. 364.
- Sad-iron stand. J. M. Karl. No. 1,219,400; Mar. 13; v. 236; p. 562.
- Sad-iron support. E. J. Rohne. No. 1,213,263; Jan. 23; v. 234; p. 1097.
- Sad-iron-supporting stand. F. Kuhn and J. A. Hand. No. 1,251,055; Dec. 25; v. 245; p. 887.
- Sad-irons and the like, Snap-switch for. S. Trood. No. 1,248,575; Dec. 4; v. 245; p. 44.
- Saddle. F. C. Beal. No. 1,213,329; Jan. 23; v. 234; p. 1122.
- Saddle. G. S. Maslen. No. 1,213,674; Jan. 23; v. 234; p. 1240.
- Saddle. P. D. Stewart. No. 1,246,675; Nov. 13; v. 244; p. 489.
- Saddle, Child's. N. Peterson. No. 1,214,364; Jan. 30; v. 234; p. 1507.
- Saddle construction. J. E. Doyle. No. 1,222,744; Apr. 17; v. 237; p. 684.
- Saddle, Glg. C. Thomsen. No. 1,221,628; Apr. 3; v. 237; p. 218.
- Saddle mechanism, Top-roll-. L. T. Houghton. No. 1,218,658; Mar. 13; v. 236; p. 304.
- Saddle mechanism, Top-roll-. L. T. Houghton. No. 1,218,659; Mar. 13; v. 236; p. 304.
- Saddle mechanism, Top-roll-. L. T. Houghton. No. 1,218,660; Mar. 13; v. 236; p. 304.
- Saddle mechanism, Top-roll-. L. T. Houghton. No. 1,238,673; Aug. 28; v. 241; p. 1113.
- Saddle attachment, Riding-. B. C. Adams. No. 1,226,623; May 22; v. 238; p. 991.
- Saddle, Pack-. H. D. Bader and J. C. Wassell. No. 1,239,755; Sept. 11; v. 242; p. 359.
- Saddle, Pack-. H. D. Bader and J. C. Wassell. No. 1,239,756; Sept. 11; v. 242; p. 359.
- Saddle, Top-roll. L. S. Bache. No. 1,246,841; Nov. 20; v. 244; p. 573.
- Saddle, Vehicle-. L. A. Brigel. No. 1,216,273; Feb. 20; v. 235; p. 720.
- Saddles, Fastening device for stirrup-leathers of. S. A. Gibson. No. 1,212,047; Jan. 9; v. 234; p. 608.
- Saddles, Pressure mechanism for roller-bed. E. J. Vales and J. T. Bishop. No. 1,241,586; Oct. 2; v. 243; p. 89.
- Saddletree. J. M. Hays. No. 1,214,458; Jan. 30; v. 234; p. 1537.
- Saddletree, Riding-. C. Nickel. No. 1,212,545; Jan. 16; v. 234; p. 813.
- Safe-alarm. S. Zunac. No. 1,238,618; Aug. 28; v. 241; p. 1097.
- Safe, Burglar-proof. C. D. Kenyon. No. 1,232,330; July 3; v. 240; p. 266.
- Safe, Burglar-proof. T. S. Spivey. No. 1,214,091; Jan. 30; v. 234; p. 1412.
- Safe-door. P. X. Johnson and F. J. Super. No. 1,235,808; Aug. 7; v. 241; p. 92.
- Safe-door. M. Mosler and C. Bartels. No. 1,238,427; Aug. 28; v. 241; p. 1035.
- Safe emergency-door. M. O. Puhl. No. 1,243,101; Oct. 16; v. 243; p. 595.
- Safe for sea-going vessels. T. McWatters. No. 1,226,098; May 15; v. 238; p. 777.
- Safe or vault, Burglar-proof. H. W. Heller. No. 1,234,022; July 17; v. 240; p. 884.
- Safe, Provision-. W. N. Best. No. 1,228,523; June 5; v. 239; p. 51.
- Safes, File attachment for. P. E. Pyle. No. 1,241,279; Sept. 25; v. 242; p. 907.
- Safes from sunken vessels, Device for hoisting. H. Lotz. No. 1,236,956; Aug. 14; v. 241; p. 493.
- Safety and throw-off mechanism, Combined. C. F. Root. No. 1,221,476; Apr. 3; v. 237; p. 166.
- Safety and throw-off mechanism, Combined. C. F. Root. No. 1,226,259; May 15; v. 238; p. 835.
- Safety and throw-off mechanism, Combined. C. F. Root. No. 1,226,260; May 15; v. 238; p. 835.
- Safety apparatus for indicating to the engine-driver whether the line is free or blocked. H. Friquet. No. 1,213,474; Jan. 23; v. 234; p. 1171.
- Safety-blade knife. W. A. Collings. No. 1,228,409; June 5; v. 239; p. 12.
- Safety-brake. E. R. Worstell. No. 1,243,373; Oct. 16; v. 243; p. 675.
- Safety-carrier. C. W. Fischer and R. Schamber. No. 1,224,086; Apr. 24; v. 237; p. 1178.
- Safety device. M. Alpern. No. 1,220,052; Mar. 20; v. 236; p. 819.
- Safety device. L. R. Delaney. No. 1,213,758; Jan. 23; v. 234; p. 1267.
- Safety device. F. Hymans. No. 1,225,962; May 15; v. 238; p. 730.
- Safety device. G. John. No. 1,225,964; May 15; v. 238; p. 730.
- Safety device. R. R. Reed. No. 1,248,913; Dec. 4; v. 245; p. 142.
- Safety device and danger-zone signal, Automatic. C. E. Kinnard. No. 1,246,434; Nov. 13; v. 244; p. 417.
- Safety device, Automatic. D. F. Crawford. No. 1,218,061; Mar. 6; v. 236; p. 60.
- Safety double boat. I. Ziony. No. 1,251,164; Dec. 25; v. 245; p. 920.
- Safety-fender. C. Athanasopoulos. No. 1,246,840; Nov. 20; v. 244; p. 573.
- Safety-fender. A. Leibner. No. 1,237,917; Aug. 21; v. 241; p. 836.
- Safety-gate. H. R. Fowler. No. 1,243,056; Oct. 16; v. 243; p. 581.
- Safety-gate, Automatic electric. R. Eades. No. 1,241,358; Sept. 25; v. 242; p. 930.
- Safety-heater. R. Kidde. No. 1,235,573; Aug. 7; v. 241; p. 15.
- Safety-hook. M. W. Jones. No. 1,215,281; Feb. 6; v. 235; p. 278.
- Safety-hook. W. E. Lucas. No. 1,235,346; July 31; v. 240; p. 1369.
- Safety-hook. A. C. Schmidt. No. 1,214,717; Feb. 6; v. 235; p. 84.
- Safety-indicator and license-bracket. N. M. Johnson and T. S. Quin. No. 1,234,546; July 24; v. 240; p. 1090.
- Safety-jack. W. Lorenz. No. 1,233,075; July 10; v. 240; p. 541.
- Safety-knife, Hand-controlled. M. Curry. No. 1,222,366; Apr. 10; v. 237; p. 510.
- Safety-limit switch. F. A. Rundle. No. 1,236,485; Aug. 14; v. 241; p. 339.

- Safety-lock. A. Zambella. No. 1,236,810; Aug. 14; v. 241; p. 447.
- Safety-lock for dump-cars. C. W. Stickler. No. 1,225,522; May 8; v. 238; p. 538.
- Safety-pin. J. F. Doyle, Jr., and M. D. Aviller. No. 1,245,205; Nov. 6; v. 244; p. 19.
- Safety-pin. J. H. Fowler. No. 1,241,948; Oct. 2; v. 243; p. 153.
- Safety-pin. B. L. Froehly. No. 1,246,582; Nov. 13; v. 244; p. 463.
- Safety-pin. J. J. Furlong. No. 1,224,733; May 1; v. 238; p. 220.
- Safety-pin. F. A. Kinney. No. 1,225,823; May 15; v. 238; p. 684.
- Safety-pin. E. F. Lally. No. 1,233,253; July 10; v. 240; p. 597.
- Safety-pin. F. O. Olsen. No. 1,225,164; May 8; v. 238; p. 417.
- Safety-pin. A. Wright. No. 1,214,633; Feb. 6; v. 235; p. 53.
- Safety-pin, Double. K. L. Huckbody. No. 1,248,123; Nov. 27; v. 244; p. 974.
- Safety-pin machine. W. A. Courtland. No. 1,228,651; June 5; v. 239; p. 93.
- Safety-signal. C. R. Funk and L. H. Smith. No. 1,229,931; June 12; v. 239; p. 572.
- Safety-signal and train-controller. C. H. Harris. No. 1,232,538; July 10; v. 240; p. 366.
- Safety-switch. A. K. Sutherland. No. 1,224,119; Apr. 24; v. 237; p. 1190.
- Safety-switch. A. K. Sutherland. No. 1,229,186; June 5; v. 239; p. 272.
- Safety-switch. R. Wolfsberg and S. C. Smith. No. 1,251,159; Dec. 25; v. 245; p. 918.
- Sail raising and lowering means. E. W. Brown. No. 1,248,067; Nov. 27; v. 244; p. 957.
- Salad-dressing container. Q. Santicola. No. 1,219,491; Mar. 20; v. 236; p. 623.
- Salad-dressing-mixing machine. H. G. Buddecke. No. 1,233,023; July 10; v. 240; p. 523.
- Sales-book, Manifolding. E. K. Bottle. No. 1,243,695; Oct. 23; v. 243; p. 804.
- Sales device, Automatic. H. Jensen. No. 1,241,984; Oct. 2; v. 243; p. 164.
- Sales-register, Autographic. R. W. Temple. No. 1,212,584; Jan. 16; v. 234; p. 828.
- Sales-slip and statistical-card-record recorder, Combination. J. Powers. No. 1,248,543; Dec. 4; v. 245; p. 34.
- Saliva-ejector. A. B. Cosad. No. 1,222,267; Apr. 10; v. 237; p. 475.
- Salt and pepper dispenser. I. N. Morris. No. 1,219,475; Mar. 20; v. 236; p. 618.
- Salt and pepper shaker. C. D. Gilmore. No. 1,237,632; Aug. 21; v. 241; p. 746.
- Salt and pepper shaker, Combination. C. Kunkler. No. 1,248,345; Nov. 27; v. 244; p. 1037.
- Salt and pepper shaker, Combined. J. Grossman. No. 1,215,018; Feb. 6; v. 235; p. 190.
- Salt and pepper shaker, Combined. W. A. Ledford. No. 1,234,047; July 17; v. 240; p. 891.
- Salt brick and making same. J. L. Sterling. No. 1,244,141; Oct. 23; v. 243; p. 943.
- Salt brine, Purifying. B. E. Hartsuch. No. 1,235,202; July 31; v. 240; p. 1326.
- Salt from its admixtures with impurities in crude brine, Recovering. W. W. Skinner and W. F. Baughman. No. 1,244,380; Oct. 23; v. 243; p. 1014.
- Salt-holding device for animals. W. J. Kennedy. No. 1,225,645; May 8; v. 238; p. 580.
- Salt-shaker. G. L. Lofstrom. No. 1,231,761; July 3; v. 240; p. 75.
- Salt-shaker. C. A. Wiklund and E. R. Peterson. No. 1,221,640; Apr. 3; v. 237; p. 221.
- Salt-shaker, Anticlogging. R. D. Edmunds. No. 1,238,118; Aug. 28; v. 241; p. 934.
- Salts from admixtures thereof in solution, Recovering. E. N. Trump. No. 1,216,187; Feb. 13; v. 235; p. 638.
- Salts, Mentholated or minted cathartic. C. S. Berry. No. 1,212,888; Jan. 16; v. 234; p. 933.
- Salts of acetylsalicylic acid and manufacture of same. O. Gergross and H. Kast. No. 1,217,862; Feb. 27; v. 235; p. 1314.
- Salting-machine. P. J. Coté. No. 1,244,471; Oct. 30; v. 243; p. 1080.
- Salvaging apparatus. S. M. Smith. No. 1,246,172; Nov. 13; v. 244; p. 337.
- Sample-strip-holding device for cloth-rolls and the like. W. A. Dulmage. No. 1,249,924; Dec. 11; v. 245; p. 465.
- Sample-taking device. R. D. Dodds. No. 1,235,883; Aug. 7; v. 241; p. 116.
- Sampler. G. S. Backus. No. 1,238,058; Aug. 21; v. 241; p. 881.
- Sampler, Automatic. S. E. Cogswell. No. 1,241,196; Sept. 25; v. 242; p. 878.
- Sampler mechanism. E. Ramsay. No. 1,249,491; Dec. 11; v. 245; p. 338.
- Sampler, Recording. A. E. Truesdell. No. 1,228,078; May 29; v. 238; p. 1511.
- Sampling device, Automatic. C. A. Wendell. No. 1,223,544; Apr. 24; v. 237; p. 992.
- Sand articles, such as foundry-cores and dry-sand molds, Manufacture of molded. H. M. Lane. No. 1,233,067; July 10; v. 240; p. 538.
- Sand-blast apparatus. C. E. Billings. No. 1,214,641; Feb. 6; v. 235; p. 55.
- Sand-box. P. Flood. No. 1,221,523; Apr. 3; v. 237; p. 184.
- Sand cutting and screening machine. J. H. Dalton. No. 1,227,589; May 29; v. 238; p. 1343.
- Sand-distributing device. A. H. and J. S. Young. No. 1,234,436; July 24; v. 240; p. 1056.
- Sand-grading apparatus. J. Willis. No. 1,246,202; Nov. 13; v. 244; p. 346.
- Sand, gravel, &c., drier. W. H. Dance. No. 1,230,684; June 19; v. 239; p. 858.
- Sand-machine. W. D. Ashmon. No. 1,214,406; Jan. 30; v. 234; p. 1521.
- Sand, Making colored. J. C. Pelton. No. 1,233,501; July 17; v. 240; p. 716.
- Sand-mill. A. F. Howe. No. 1,218,403; Mar. 6; v. 236; p. 179.
- Sand-mixing apparatus, Molding. W. J. Nelson. No. 1,224,659; May 1; v. 238; p. 193.
- Sand-molding apparatus. H. Tscherning. No. 1,213,979; Jan. 30; v. 234; p. 1373.
- Sand-molding apparatus. H. Tscherning. No. 1,216,750; Feb. 20; v. 235; p. 887.
- Sand, oil, gasoline, and water separator. P. Hannagan. No. 1,249,749; Dec. 11; v. 245; p. 412.
- Sand picture and making the same. W. A. Ward. No. 1,221,118; Apr. 3; v. 237; p. 40.
- Sand-screen, Revolving. F. E. Arndt. No. 1,231,113; June 26; v. 239; p. 1043.
- Sand-settling box. J. F. Reinert. No. 1,237,959; Aug. 21; v. 241; p. 849.
- Sand-spreader. P. F. Lohmiller. No. 1,247,298; Nov. 20; v. 244; p. 705.
- Sand-spreader. H. J. McGee. No. 1,245,250; Nov. 6; v. 244; p. 33.
- Sand-spreading device. J. M. Thompson. No. 1,212,849; Jan. 16; v. 234; p. 919.
- Sand-trap. W. H. White. No. 1,226,427; May 15; v. 238; p. 889.
- Sanding device. A. M. Steen. No. 1,247,592; Nov. 20; v. 244; p. 789.
- Sanding device, Gravity. J. Gapp. No. 1,219,543; Mar. 20; v. 236; p. 643.
- Sanding-machine. J. T. Lindsey. No. 1,246,958; Nov. 20; v. 244; p. 608.
- Sandpaper-cutter for breasting-wheels. F. M. Dore. No. 1,211,556; Jan. 9; v. 234; p. 438.
- Sandpapering-machine. G. J. Behringer. No. 1,228,520; June 5; v. 239; p. 50.
- Sandpapering-machine. M. W. Duzey. No. 1,240,428; Sept. 18; v. 242; p. 607.
- Sandpapering-machine. C. A. Lind. No. 1,241,407; Sept. 25; v. 242; p. 944.
- Sandal. I. Goldstone. No. 1,250,852; Dec. 18; v. 245; p. 778.
- Sandal, Swimming-. C. Schneider. No. 1,237,392; Aug. 21; v. 241; p. 670.
- Sandwich-cake machine. C. W. Hitchner. No. 1,220,845; Mar. 27; v. 236; p. 1135.
- Sandwich-machine. A. Bjorkman. No. 1,248,249; Nov. 27; v. 244; p. 1009.
- Sandwich-machine. A. J. Clayton. No. 1,211,375; Jan. 2; v. 234; p. 340.
- Sandwiches or the like, Receptacle for. J. G. Rhodes. No. 1,216,842; Feb. 20; v. 235; p. 917.
- Sanitary appliance. A. Troiano. No. 1,243,462; Oct. 16; v. 243; p. 701.
- Sanitary bin for grocers, &c., Automatic. G. C. Lents and J. L. Best. No. 1,229,100; June 5; v. 239; p. 243.
- Sanitary closet. H. Y. Scarborough and J. G. King. No. 1,223,426; Apr. 24; v. 237; p. 949.
- Sanitary comb. J. E. Sage and N. V. Borgeson. No. 1,241,286; Sept. 25; v. 242; p. 910.
- Sanitary connection. M. B. Coleman. No. 1,226,469; May 15; v. 238; p. 902.
- Sanitary connection. E. H. Lawrence and R. E. Crane. No. 1,221,064; Apr. 3; v. 237; p. 21.
- Sanitary head-protector. H. Rodgers. No. 1,251,107; Dec. 25; v. 245; p. 902.
- Sanitary refuse-trap. L. C. Beck. No. 1,248,996; Dec. 4; v. 245; p. 165.
- Sap spile or spout. E. Chesley. No. 1,221,509; Apr. 3; v. 237; p. 179.
- Sash. A. C. Wendelken. No. 1,238,703; Aug. 28; v. 241; p. 1121.
- Sash and frame, Window. H. Rosenzweig. No. 1,241,285; Sept. 25; v. 242; p. 909.
- Sash and holder, Window. R. T. Axe. No. 1,248,785; Dec. 4; v. 245; p. 106.
- Sash and ventilator, Window. F. Victor. No. 1,240,107; Sept. 11; v. 242; p. 467.
- Sash-balance. F. W. Arvine. No. 1,226,843; May 22; v. 238; p. 1065.
- Sash-balance. F. Dufresne. No. 1,223,861; Apr. 24; v. 237; p. 1103.
- Sash-balance. W. T. Fry. No. 1,249,944; Dec. 11; v. 245; p. 470.
- Sash-balance. D. Hoyt. No. 1,214,036; Jan. 30; v. 234; p. 1395.
- Sash-balance. G. C. Webster. No. 1,248,221; Nov. 27; v. 244; p. 1001.
- Sash-bar joint. J. Brogden. No. 1,225,727; May 8; v. 238; p. 607.

Alphabetical list of inventions—Continued.

- Sash construction. C. P. Pond. No. 1,240,777; Sept. 18; v. 242; p. 714.
- Sash control. J. D. Coogle. No. 1,229,234; June 12; v. 239; p. 338.
- Sash-cord fastener. M. M. Benster. No. 1,215,101; Feb. 6; v. 235; p. 216.
- Sash-cord fastener. J. D. C. Knapp. No. 1,219,467; Mar. 20; v. 236; p. 615.
- Sash-cord fastener. C. O. Tracy. No. 1,248,038; Nov. 27; v. 244; p. 949.
- Sash cushion, Metal. A. H. Sisson. No. 1,237,712; Aug. 21; v. 241; p. 773.
- Sash, Duo-glazed. T. J. Callahan. No. 1,211,079; Jan. 2; v. 234; p. 242.
- Sash-fastener. F. Aubin. No. 1,232,170; July 3; v. 240; p. 213.
- Sash-fastener. J. W. Cooper. No. 1,220,073; Mar. 20; v. 236; p. 828.
- Sash-fastener. K. Horikawa. No. 1,239,105; Sept. 4; v. 242; p. 124.
- Sash-fastener. A. W. Koiner. No. 1,236,451; Aug. 14; v. 241; p. 327.
- Sash-fastener. A. P. Lane. No. 1,220,241; Mar. 27; v. 236; p. 923.
- Sash-fastener. J. R. Watts. No. 1,238,968; Sept. 4; v. 242; p. 80.
- Sash-fastener. J. S. Yogerst and W. M. Wenck. No. 1,226,736; May 22; v. 238; p. 1028.
- Sash fastener, Window. W. C. Lynham. No. 1,214,476; Jan. 30; v. 234; p. 1543.
- Sash hanger, Swinging. E. J. Fellman. No. 1,212,336; Jan. 16; v. 234; p. 740.
- Sash-holder. A. W. Boynton. No. 1,246,707; Nov. 13; v. 244; p. 498.
- Sash-holder. G. Funk. No. 1,231,873; July 3; v. 240; p. 114.
- Sash-holder. R. F. Hunter. No. 1,242,697. Oct. 9; v. 243; p. 432.
- Sash-holder. Z. Pehel. No. 1,236,864; Aug. 14; v. 241; p. 463.
- Sash-holder. J. S. Smart. No. 1,222,689; Apr. 17; v. 237; p. 666.
- Sash-holder. J. T. Utecht. No. 1,250,725; Dec. 18; v. 245; p. 740.
- Sash-holder, Automatic. N. H. Smith. No. 1,214,602; Feb. 6; v. 235; p. 42.
- Sash holder, Swinging. R. H. Suettinger. No. 1,234,957; July 31; v. 240; p. 1253.
- Sash holder, Window. J. W. Morris. No. 1,226,569; May 15; v. 238; p. 933.
- Sash-holding means. O. M. Edwards. No. 1,251,199; Dec. 25; v. 245; p. 929.
- Sash-joint. J. J. and C. F. Devenny. No. 1,242,427; Oct. 9; v. 243; p. 344.
- Sash-joint, Metal. H. N. Renton. No. 1,213,541; Jan. 23; v. 234; p. 1195.
- Sash-joint, Metal. W. Roper. No. 1,213,417; Jan. 23; v. 234; p. 1151.
- Sash-joint, Metallic. W. Roper. No. 1,242,242; Oct. 9; v. 243; p. 286.
- Sash-lock. G. H. Andreas. No. 1,236,037; Aug. 7; v. 241; p. 167.
- Sash-lock. A. F. Bondy. No. 1,231,994; July 3; v. 240; p. 153.
- Sash-lock. J. H. Boye. No. 1,221,824; Apr. 10; v. 237; p. 318.
- Sash-lock. J. Holtzman. No. 1,221,799; Apr. 3; v. 237; p. 276.
- Sash-lock. H. L. Kellogg. No. 1,238,682; Aug. 28; v. 241; p. 1115.
- Sash-lock. F. F. Malsbury. No. 1,216,241; Feb. 13; v. 235; p. 657.
- Sash-lock. J. M. Marty. No. 1,250,924; Dec. 18; v. 245; p. 799.
- Sash-lock, Automatic. O. B. Hollis. No. 1,232,683; July 10; v. 240; p. 413.
- Sash lock-stop, Window. H. Barnes. No. 1,219,424; Mar. 20; v. 236; p. 601.
- Sash-locking means, Screen. W. E. Moore and J. H. Hulehan. No. 1,220,259; Mar. 27; v. 236; p. 929.
- Sash-locking mechanism. O. W. Tucker. No. 1,239,544; Sept. 11; v. 242; p. 292.
- Sash, Metal window. H. H. Schroyer. No. 1,248,928; Dec. 4; v. 245; p. 146.
- Sash, Metallic. G. B. Kohler. No. 1,228,327; May 29; v. 238; p. 1591.
- Sash-operating device. W. C. Lea and J. C. George. No. 1,213,508; Jan. 23; v. 234; p. 1182.
- Sash-operating device. W. C. Lea and J. C. George. No. 1,238,308; Aug. 28; v. 241; p. 997.
- Sash-operating device, Window. O. B. Gilbert. No. 1,250,445; Dec. 18; v. 245; p. 657.
- Sash-operating mechanism, Window. L. J. Brune. No. 1,251,336; Dec. 25; v. 245; p. 970.
- Sash operator, Window. O. H. Quernheim and H. Neuhoff, Jr. No. 1,242,889; Oct. 9; v. 243; p. 492.
- Sash or frame, Window. M. Lachman. No. 1,214,928; Feb. 6; v. 235; p. 156.
- Sash or window Metal. A. W. Johnson and W. S. Tait. No. 1,213,498; Jan. 23; v. 234; p. 1179.
- Sash-pivot. J. W. Yates. No. 1,218,348; Mar. 6; v. 236; p. 160.
- Sash pulleys, locks, or the like, Case for. S. R. Parkes. No. 1,225,849; May 15; v. 238; p. 692.
- Sash retainer and fastener. F. E. Sparks. No. 1,224,799; May 1; v. 238; p. 242.
- Sash, Reversible window. M. Brand. No. 1,220,722; Mar. 27; v. 236; p. 1091.
- Sash-spring. H. H. Schroyer. No. 1,229,531; June 12; p. 239; p. 439.
- Sash-stop. H. E. Stagman. No. 1,236,618; Aug. 14; v. 241; p. 382.
- Sash-strip fastener. G. F. Gullborg. No. 1,240,044; Sept. 11; v. 242; p. 448.
- Sash-weight. C. L. Martin. No. 1,239,418; Sept. 4; v. 242; p. 222.
- Sash, Window. W. S. Burke. No. 1,248,451; Dec. 4; v. 245; p. 7.
- Sash, Window. M. H. Hubner. No. 1,240,454; Sept. 18; v. 242; p. 616.
- Sash, Window. G. B. Kohler. No. 1,242,815; Oct. 9; v. 243; p. 468.
- Sash, Window. C. B. Pinckney. No. 1,211,959; Jan. 9; v. 234; p. 581.
- Sash, Window. H. P. Porter. No. 1,230,514; June 19; v. 239; p. 801.
- Sashes, Apparatus for closing window. H. E. Campbell. No. 1,233,642; July 17; v. 240; p. 764.
- Sashes, Automatic controlling means for window. H. B. Elliott. No. 1,213,084; Jan. 16; v. 234; p. 1001.
- Sashes, Spring-counterbalance device for window. E. Larson. No. 1,235,702; Aug. 7; v. 241; p. 55.
- Sashes, Swinging stop for slidable hinged. G. C. Clark. No. 1,249,331; Dec. 11; v. 245; p. 292.
- Sashes, Weather-cap for swinging. F. A. Dillingham. No. 1,248,285; Nov. 27; v. 244; p. 1020.
- Sausage-casing and preparing same. G. B. Twitchell. No. 1,225,530; May 8; v. 238; p. 541.
- Sausage-making apparatus. J. C. Crockett. No. 1,235,660; Aug. 7; v. 241; p. 42.
- Sausage-stuffer. J. M. Peterson. No. 1,234,935; July 31; v. 240; p. 1245.
- Sausages and the like, Machine for hinking. C. Wolke. No. 1,245,652; Nov. 6; v. 244; p. 155.
- Sausages, Method and apparatus for twisting. J. V. Robinson. No. 1,234,491; July 24; v. 240; p. 1073.
- Save-all. R. S. Clarke. No. 1,210,907; Jan. 2; v. 234; p. 182.
- Saw. J. H. Free. No. 1,240,331; Sept. 18; v. 242; p. 577.
- Saw and jointer, Combined. E. J. Loddell. No. 1,213,512; Jan. 23; v. 234; p. 1184.
- Saw attachment. A. C. Buttman and F. P. Gable. No. 1,226,464; May 15; v. 238; p. 900.
- Saw attachment for end-matches, Cut-off. W. S. Sherman. No. 1,224,675; May 1; v. 238; p. 199.
- Saw, Band. G. J. Blum. No. 1,233,836; July 17; v. 240; p. 824.
- Saw, Band. J. A. Carlson. No. 1,230,275; June 19; v. 239; p. 723.
- Saw-blades, Manufacture of tempered. C. Napier. No. 1,221,576; Apr. 3; v. 237; p. 202.
- Saw-blades, Resharpener. W. M. Fogle. No. 1,222,195; Apr. 10; v. 237; p. 449.
- Saw, Chain. W. Peterson. No. 1,231,190; June 26; v. 239; p. 1068.
- Saw-clamp. M. S. Heckathorn. No. 1,220,108; Mar. 20; v. 236; p. 840.
- Saw-clamp. A. D. Johnson. No. 1,217,004; Feb. 20; v. 235; p. 972.
- Saw-clamp. W. McDaniel. No. 1,239,709; Sept. 11; v. 242; p. 345.
- Saw-clamp. F. L. Travis. No. 1,216,890; Feb. 20; v. 235; p. 934.
- Saw-clamp, Collapsible. A. Selin. No. 1,230,805; June 19; v. 239; p. 897.
- Saw cleaners, Gearing for gin. O. B. Robertson. No. 1,215,413; Feb. 13; v. 235; p. 358.
- Saw, Cotton-seed-delinting. A. A. Wood. No. 1,239,998; Sept. 11; v. 242; p. 435.
- Saw, Dado. F. E. White. No. 1,228,728; June 5; v. 239; p. 120.
- Saw, Drag. A. R. Putnam. No. 1,212,678; Jan. 16; v. 234; p. 863.
- Saw, Electric. S. A. Anderson, Jr. No. 1,221,267; Apr. 3; v. 237; p. 94.
- Saw-filing guide, Adjustable. A. R. Merritt. No. 1,223,191; Apr. 17; v. 237; p. 838.
- Saw-filing machine. L. J. Ashley. No. 1,232,476; July 10; v. 240; p. 346.
- Saw-filing machine. H. B. Foley. No. 1,224,293; May 1; v. 238; p. 64.
- Saw-filing machine. M. E. Kenney. No. 1,216,137; Feb. 13; v. 235; p. 622.
- Saw-filing machine. J. Mackintosh and W. P. Callahan. No. 1,221,343; Apr. 3; v. 237; p. 420.
- Saw-filing machine. F. Williams. No. 1,223,131; Apr. 17; v. 237; p. 816.
- Saw-filing machines, Side-dressing attachment for. J. T. Gosline. No. 1,243,731; Oct. 23; v. 243; p. 818.
- Saw filing or grinding wheel. C. A. Brust. No. 1,217,889; Feb. 27; v. 235; p. 1323.
- Saw-gage. R. C. Hunger. No. 1,230,166; June 19; v. 239; p. 686.
- Saw-gage. J. A. St. Clair. No. 1,250,694; Dec. 18; v. 245; p. 730.
- Saw-guard. A. Erickson. No. 1,247,247; Nov. 20; v. 244; p. 692.

- Saw guard, Circular-. W. M. Frisbie. No. 1,244,187; Oct. 23; v. 243; p. 956.
- Saw-guide. J. L. Stenquist. No. 1,245,816; Nov. 6; v. 244; p. 205.
- Saw-guide for cutting miters. E. W. McMillan. No. 1,233,083; July 10; v. 240; p. 543.
- Saw-guide, Universally-adjustable and folding. L. Guth. No. 1,235,970; Aug. 7; v. 241; p. 144.
- Saw-handle. J. L. Whitworth. No. 1,234,432; July 24; v. 240; p. 1054.
- Saw handle, Crosscut-. H. L. Tripod. No. 1,247,181; Nov. 20; v. 244; p. 672.
- Saw, Inclined. E. A. Mouche. No. 1,244,231; Oct. 23; v. 243; p. 971.
- Saw, Inclined. E. A. Mouche. No. 1,244,232; Oct. 23; v. 243; p. 971.
- Saw-jointer. W. E. Gibbs. No. 1,237,892; Aug. 21; v. 241; p. 828.
- Saw, Keyhole-. A. R. Brewer. No. 1,240,173; Sept. 18; v. 242; p. 526.
- Saw leveling and stretching machine. G. S. Tyler. No. 1,228,990; June 5; v. 239; p. 207.
- Saw machine, Chain-feed rip-. A. G. Stuedeman. No. 1,248,748; Dec. 4; v. 245; p. 95.
- Saw machine, Circular-. W. H. Harding. No. 1,215,527; Feb. 13; v. 235; p. 399.
- Saw machine, Reciprocating-. A. U. Briggs. No. 1,230,991; June 26; v. 239; p. 1000.
- Saw, Metal-cutting band-. H. C. Williamson. No. 1,233,430; July 17; v. 240; p. 692.
- Saw, Motor-operated. A. Gisch. No. 1,239,384; Sept. 4; v. 242; p. 212.
- Saw, Rail-. G. Johnston. No. 1,232,042; July 3; v. 240; p. 171.
- Saw reclaimer, Band-. N. Krump. No. 1,217,095; Feb. 20; v. 235; p. 1002.
- Saw, Rock-. W. P. Ohlhausen. No. 1,246,990; Nov. 20; v. 244; p. 617.
- Saw-set. E. Aber. No. 1,223,923; Apr. 24; v. 237; p. 1124.
- Saw-set. J. A. Ferguson. No. 1,221,040; Apr. 3; v. 237; p. 13.
- Saw-set. G. Finney. No. 1,239,779; Sept. 11; v. 242; p. 367.
- Saw-set. W. G. Herman. No. 1,242,348; Oct. 9; v. 243; p. 319.
- Saw-set. E. L. Heway. No. 1,226,514; May 15; v. 238; p. 916.
- Saw-set. W. H. Poppenhagen. No. 1,217,822; Feb. 27; v. 235; p. 1301.
- Saw-set. A. B. Repetto. No. 1,239,217; Sept. 4; v. 242; p. 159.
- Saw-set. A. Serfözü. No. 1,241,772; Oct. 2; v. 243; p. 96.
- Saw set and sharpener, Combination. H. C. Harris. No. 1,229,450; June 12; v. 239; p. 412.
- Saw setting and filing machine. R. W. Boulet. No. 1,245,430; Nov. 6; v. 244; p. 86.
- Saw-setting apparatus. V. Royle. No. 1,213,267; Jan. 23; v. 234; p. 1099.
- Saw-setting apparatus. V. Royle. No. 1,248,016; Nov. 27; v. 244; p. 944.
- Saw-setting device. F. W. Brown. No. 1,217,697; Feb. 27; v. 235; p. 1259.
- Saw-setting machine. C. L. Ericson. No. 1,238,500; Aug. 28; v. 241; p. 1059.
- Saw-table and track. W. J. Whitaker. No. 1,225,545; May 8; v. 238; p. 546.
- Saw-tooth. T. T. Carlson. No. 1,240,939; Sept. 25; v. 242; p. 799.
- Saw-tooth fasteners, Making. S. C. Cary and H. H. Brand. No. 1,210,417; Jan. 2; v. 234; p. 13.
- Saw-tooth gage, Crosscut-. C. C. De Avila and A. M. Remington. No. 1,222,188; Apr. 10; v. 237; p. 446.
- Saw-treating apparatus. L. L. Cook. No. 1,233,193; July 10; v. 240; p. 580.
- Saw trimmer and filer. J. E. Norman. No. 1,220,445; Mar. 27; v. 236; p. 997.
- Saws, Forming. F. A. Stevens. No. 1,250,377; Dec. 18; v. 245; p. 636.
- Saws, Horizontal-turnable table for band-. A. E. Cottrell. No. 1,250,977; Dec. 25; v. 245; p. 865.
- Saws, Locking means for sectional crosscut-. F. P. Rowland. No. 1,219,161; Mar. 13; v. 236; p. 480.
- Saws, Machine for the manufacture of high-speed friction-. C. F. Robinson. No. 1,228,050; May 29; v. 238; p. 1502.
- Saws, Self-adjusting spreader for. D. O. Reinhold. No. 1,228,047; May 29; v. 238; p. 1501.
- Saws, Spacing device for gin-. S. F. Krupp. No. 1,217,018; Feb. 20; v. 235; p. 977.
- Saws, Tooth-gage device for circular. F. D. Martin. No. 1,240,074; Sept. 11; v. 242; p. 456.
- Sawhorse. W. Brethour. No. 1,211,069; Jan. 2; v. 234; p. 239.
- Sawing apparatus. E. D. Tompkins. No. 1,215,431; Feb. 13; v. 235; p. 364.
- Sawing machine, Automatic. E. E. Winkley. No. 1,237,435; Aug. 21; v. 241; p. 684.
- Sawing machine, Portable wood-. J. Shelter. No. 1,246,667; Nov. 13; v. 244; p. 487.
- Sawing-machine, Self-feed. J. J. Meyers. No. 1,241,871; Oct. 2; v. 243; p. 128.
- Sawing machines, Hacksaw-blade for metal-. A. Rasmussen. No. 1,214,589; Feb. 6; v. 235; p. 37.
- Sawing-machines, Work-holder for. R. R. Q. Casey, O. G. Muhlrig, and E. Seebers. No. 1,248,805; Dec. 4; v. 245; p. 113.
- Sawmill-carriage knees, Underdog for. C. O. Huntington. No. 1,231,161; June 26; v. 239; p. 1059.
- Sawmill-carriage track. W. C. Heard. No. 1,218,180; Mar. 6; v. 236; p. 101.
- Sawmill-carriages, Drag-offset for. O. M. Krebs. No. 1,248,432; Nov. 27; v. 244; p. 1061.
- Sawmill-carriages, Taper attachment for. W. M. Ingram. No. 1,211,855; Jan. 9; v. 234; p. 542.
- Sawmill-dog attachment. C. W. Lynch. No. 1,228,332; May 29; v. 238; p. 1592.
- Sawmill-feed. G. S. Sergeant. No. 1,248,178; Nov. 27; v. 244; p. 990.
- Sawmill log-setting device. W. H. Appleman. No. 1,241,807; Oct. 2; v. 243; p. 108.
- Sawmill log-setting device. W. H. Appleman. No. 1,244,575; Oct. 30; v. 243; p. 1113.
- Sawmill, Portable. R. P. Reece. No. 1,238,436; Aug. 28; v. 241; p. 1038.
- Sawmill set-works, Mechanism for operating. W. M. Wilkin. No. 1,230,969; June 26; v. 239; p. 992.
- Sawmills, Indicator device for. W. L. Walding. No. 1,226,037; May 15; v. 238; p. 756.
- Sawmills, Timber-feeder for. F. Larsen. No. 1,219,649; Mar. 20; v. 236; p. 679.
- Saxophones and the like, Key-action for. S. C. Gilbert. No. 1,228,016; May 29; v. 238; p. 1490.
- Scaffold. J. C. Keeler. No. 1,211,318; Jan. 2; v. 234; p. 324.
- Scaffold. G. W. Walker and E. H. Harry. No. 1,213,043; Jan. 16; v. 234; p. 987.
- Scaffold. F. W. Watson. No. 1,222,053; Apr. 10; v. 237; p. 393.
- Scaffold, Adjustable window-. G. E. Loebel. No. 1,210,819; Jan. 2; v. 234; p. 151.
- Scaffold-bracket. P. J. Rogan. No. 1,219,870; Mar. 20; v. 236; p. 756.
- Scaffold, corner-bracket, Builder's-. J. H. Burkholder. No. 1,238,724; Aug. 28; v. 241; p. 1128.
- Scaffold, folding bracket, Builder's-. J. H. Burkholder. No. 1,238,722; Aug. 28; v. 241; p. 1127.
- Scaffold-hoisting apparatus. J. E. Goodwill. No. 1,231,014; June 26; v. 239; p. 1008.
- Scaffold-jack, Foldable. H. G. Trautwein. No. 1,234,510; July 24; v. 240; p. 1079.
- Scaffold, Window-. F. Rotti. No. 1,215,994; Feb. 13; v. 235; p. 568.
- Scaffolding. G. More and J. Pettigrew. No. 1,211,868; Jan. 9; v. 234; p. 547.
- Scaffolding. T. G. O'Connor. No. 1,246,989; Nov. 20; v. 244; p. 617.
- Scaffolding, Adjustable. F. C. McClanahan. No. 1,251,066; Dec. 25; v. 245; p. 891.
- Scaffolding, Adjustable suspended. E. Whitney. No. 1,244,670; Oct. 30; v. 243; p. 1141.
- Scaffolding, Builder's. W. W. Horn. No. 1,211,446; Jan. 9; v. 234; p. 401.
- Scaffolding, Silo-. J. Weasler. No. 1,231,823; July 3; v. 240; p. 97.
- Scalding apparatus. J. N. Coulbourn. No. 1,213,843; Jan. 30; v. 234; p. 1327.
- Scale. L. Berzon. No. 1,211,057; Jan. 2; v. 234; p. 235.
- Scale. R. F. Chatillon. No. 1,220,191; Mar. 27; v. 236; p. 906.
- Scale. R. F. Chatillon. No. 1,220,192; Mar. 27; v. 236; p. 907.
- Scale. S. G. Crane. No. 1,214,011; Jan. 30; v. 234; p. 1385.
- Scale. A. De Vilbiss, Jr. No. 1,223,371; Apr. 24; v. 237; p. 929.
- Scale. F. X. Dion. No. 1,231,003; June 26; v. 239; p. 1005.
- Scale. F. P. Dunn. No. 1,249,927; Dec. 11; v. 245; p. 466.
- Scale. R. E. Garrett. No. 1,211,568; Jan. 9; v. 234; p. 442.
- Scale. C. O. Goody. No. 1,220,142; Mar. 20; v. 236; p. 855.
- Scale. C. H. Hapgood. No. 1,229,449; June 12; v. 239; p. 411.
- Scale. F. S. Hebden. No. 1,237,332; Aug. 21; v. 241; p. 650.
- Scale. J. Hopkinson. No. 1,248,862; Dec. 4; v. 245; p. 120.
- Scale. L. Jaenichen. No. 1,228,927; June 5; v. 239; p. 187.
- Scale. L. Jaenichen. No. 1,240,219; Sept. 18; v. 242; p. 542.
- Scale. H. A. Myers. No. 1,213,934; Jan. 30; v. 234; p. 1358.
- Scale. N. Nilson. No. 1,240,084; Sept. 11; v. 242; p. 459.
- Scale. I. F. Pfeiffer. No. 1,210,689; Jan. 2; v. 234; p. 108.
- Scale. G. L. Rushton. No. 1,211,881; Jan. 9; v. 234; p. 551.
- Scale. J. F. Smart. No. 1,233,721; July 17; v. 240; p. 787.
- Scale. A. S. Vogt and C. E. Barba. No. 1,234,979; July 31; v. 240; p. 1259.

Alphabetical list of inventions—Continued.

- Scale, G. Walker. No. 1,215,594; Feb. 13; v. 235; p. 426.
 Scale, H. A. Weir. No. 1,244,930; Oct. 30; v. 243; p. 1220.
 Scale, L. C. Wetzel. No. 1,213,318; Jan. 23; v. 234; p. 1118.
 Scale, L. C. Wetzel. No. 1,238,370; Aug. 28; v. 241; p. 1017.
 Scale and register, Automatic weighing-. O. P. Youngstrom. No. 1,250,750; Dec. 18; v. 245; p. 747.
 Scale, Automatic. J. H. A. Bousfield. No. 1,230,851; June 26; v. 239; p. 953.
 Scale, Automatic. W. S. Smith. No. 1,241,672; Oct. 2; v. 243; p. 65.
 Scale, Automatic. R. J. Zanone. No. 1,243,791; Oct. 23; v. 243; p. 838.
 Scale, Automatic weighing-. A. W. Barnard. No. 1,222,917; Apr. 17; v. 237; p. 742.
 Scale, Automatic weighing-. A. W. Brown. No. 1,233,641; July 17; v. 240; p. 763.
 Scale, Automatic weighing-. S. G. Crane. No. 1,221,143; Apr. 3; v. 237; p. 49.
 Scale, Automatic weighing-. C. H. Hapgood. No. 1,248,322; Nov. 27; v. 244; p. 1030.
 Scale-beam. T. W. Gattis. No. 1,213,620; Jan. 23; v. 234; p. 1222.
 Scale, Carpenter's computing-. F. R. Hornig. No. 1,235,801; Aug. 7; v. 241; p. 89.
 Scale-check. G. A. N. Wahlen. No. 1,225,085; May 8; v. 238; p. 391.
 Scale-check device. C. G. Strubler. No. 1,213,295; Jan. 23; v. 234; p. 1108.
 Scale, Coin-controlled weighing-. H. W. Barson. No. 1,214,499; Feb. 6; v. 235; p. 5.
 Scale, Computing-. A. Buquet. No. 1,233,179; July 10; v. 240; p. 575.
 Scale, Computing-. A. De Vilbiss, Jr. No. 1,223,370; Apr. 24; v. 237; p. 928.
 Scale, Computing-. C. G. Strubler. No. 1,213,296; Jan. 23; v. 234; p. 1109.
 Scale construction. J. H. A. Bousfield. No. 1,229,215; June 12; v. 239; p. 332.
 Scale, Electric automatic. S. G. Crane. No. 1,248,273; Nov. 27; v. 244; p. 1017.
 Scale for determining specific gravities. M. Munzner. No. 1,229,641; June 12; v. 239; p. 477.
 Scale for weighing cotton-seed, Automatic. C. R. Harvin. No. 1,248,324; Nov. 27; v. 244; p. 1031.
 Scale, Hook-. C. O. Nelson. No. 1,238,045; Aug. 21; v. 241; p. 877.
 Scale, Hopper-. R. Grundman. No. 1,222,202; Apr. 10; v. 237; p. 451.
 Scale, Illuminated weighing-. S. G. Crane. No. 1,236,915; Aug. 14; v. 241; p. 479.
 Scale, Locomotive. B. B. Gordon. No. 1,218,253; Mar. 6; v. 236; p. 129.
 Scale, Market weighing-. T. B. Powers. No. 1,245,766; Nov. 6; v. 244; p. 188.
 Scale-pan and hanger. M. H. Hansen. No. 1,236,166; Aug. 7; v. 241; p. 204.
 Scale, Platform-. M. J. Neary. No. 1,229,310; June 12; v. 239; p. 365.
 Scale-platform check and support. A. H. Emery. No. 1,222,272; Apr. 10; v. 237; p. 476.
 Scale, Platform computing-. C. G. Strubler. No. 1,213,294; Jan. 23; v. 234; p. 1108.
 Scale, Railway-track. A. H. Emery. No. 1,213,605; Jan. 23; v. 234; p. 1217.
 Scale, Refrigerator-. O. E. Tallman. No. 1,222,488; Apr. 10; v. 237; p. 553.
 Scale-relieving gear. W. H. Grindall. No. 1,213,355; Jan. 23; v. 234; p. 1131.
 Scale sheath and cleaner, Combined. G. W. Rink. No. 1,240,880; Sept. 25; v. 242; p. 780.
 Scale, Spring-balance. D. L. Fairchild. No. 1,229,249; June 12; v. 239; p. 344.
 Scale, Weighing-. F. P. Dunn. No. 1,213,168; Jan. 23; v. 234; p. 1064.
 Scale, Weighing-. A. S. Dysart. No. 1,215,638; Feb. 13; v. 235; p. 442.
 Scale, Weighing-. M. H. Hansen. No. 1,223,787; Apr. 24; v. 237; p. 1078.
 Scale, Weighing-. M. H. Hansen. No. 1,248,106; Nov. 27; v. 244; p. 969.
 Scale, Weighing-. R. H. Helsel. No. 1,235,974; Aug. 7; v. 241; p. 146.
 Scale, Weighing-. R. H. Helsel. No. 1,242,551; Oct. 9; v. 243; p. 384.
 Scale, Weighing-. B. E. Mills. No. 1,214,056; Jan. 30; v. 234; p. 1401.
 Scale, Weighing-. E. C. Pool. No. 1,249,487; Dec. 11; v. 245; p. 336.
 Scale, Weighing-. T. B. Powers. No. 1,233,124; July 10; v. 240; p. 556.
 Scale, Weighing-. H. C. Schaper. No. 1,237,706; Aug. 21; v. 241; p. 771.
 Scale, Weighing-. F. J. Schlink. No. 1,218,902; Mar. 13; v. 236; p. 393.
 Scale, Weighing-. M. J. Weber. No. 1,249,262; Dec. 4; v. 245; p. 241.
 Scale, Weighing-. L. C. Wetzel. No. 1,213,987; Jan. 30; v. 234; p. 1376.
 Scale, Weighing-. L. C. Wetzel. No. 1,218,731; Mar. 13; v. 236; p. 331.
 Scale, Weighing-. L. C. Wetzel. No. 1,234,430; July 24; v. 240; p. 1054.
 Scale, Weighing-. L. C. Wetzel. No. 1,251,148; Dec. 25; v. 245; p. 915.
 Scale-weight. A. W. Bartheld. No. 1,217,687; Feb. 27; v. 235; p. 1255.
 Scales, Attachment for. C. H. Turner. No. 1,250,721; Dec. 18; v. 245; p. 739.
 Scales, Automatic weight-indicating attachment for beam-. G. Gulbrandsen. No. 1,251,016; Dec. 25; v. 245; p. 877.
 Scales, Computing attachment for dial-. W. C. Jones. No. 1,225,134; May 8; v. 238; p. 407.
 Scales, Guard for draftsmen's. J. G. Sparkes. No. 1,213,781; Jan. 23; v. 234; p. 1275.
 Scales, Index-finger for price-. W. J. Mingle. No. 1,237,365; Aug. 21; v. 241; p. 661.
 Scales, Indicator for. J. Eitel. No. 1,249,049; Dec. 4; v. 245; p. 180.
 Scales, Locking device for automatic weighing-. E. E. Burrows. No. 1,223,764; Apr. 24; v. 237; p. 1069.
 Scales, Multiple indicating mechanism for weighing-. H. A. Myers. No. 1,243,676; Oct. 16; v. 243; p. 766.
 Scales, Tare-weight compensator for beam-. C. C. Neale and R. W. Smith. No. 1,222,787; Apr. 17; v. 237; p. 699.
 Scales, Weather-shield for track-. A. S. Vogt, F. M. Basler, and L. J. Schlachter. No. 1,234,980; July 31; v. 240; p. 1260.
 Scaling-tool, Pneumatic. E. A. Hawley. No. 1,224,089; Apr. 24; v. 237; p. 1179.
 Scapular-ring. A. H. Kopetschny. No. 1,239,405; Sept. 4; v. 242; p. 218.
 Scarf and necktie. A. Schloerb. No. 1,227,677; May 29; v. 238; p. 1374.
 Scarifier. F. A. Browne. No. 1,243,672; Oct. 16; v. 243; p. 765.
 Scarifier. C. D. Farmer. No. 1,237,186; Aug. 14; v. 241; p. 563.
 Scarifier and blocker. G. P. A. Weisenborn. No. 1,232,740; July 10; v. 240; p. 433.
 Scarifying devices, Tool for. H. D. Jones. No. 1,236,311; Aug. 7; v. 241; p. 250.
 Scene-shifting apparatus. G. Knickelbein. No. 1,241,637; Oct. 2; v. 243; p. 55.
 Scenery-brace. H. R. Volland. No. 1,220,032; Mar. 20; v. 236; p. 812.
 School-chair. H. R. Langslow. No. 1,217,783; Feb. 27; v. 235; p. 1288.
 School-chair. C. I. Lattig. No. 1,217,319; Feb. 27; v. 235; p. 1124.
 Scissors-guide and tape-measure. I. Nelson. No. 1,218,798; Mar. 13; v. 236; p. 355.
 Scissors, Magnifying attachment for. F. H. Callahan. No. 1,216,209; Feb. 13; v. 235; p. 646.
 Scoop. F. J. Kristofek. No. 1,228,873; May 29; v. 238; p. 1606.
 Scoop and sack-filler, Combined. G. McIntyre. No. 1,234,057; July 17; v. 240; p. 894.
 Scoop, Grain-. J. H. Worsell. No. 1,212,305; Jan. 16; v. 234; p. 730.
 Scoop, Manure-. H. C. Broberg. No. 1,243,136; Oct. 16; v. 243; p. 604.
 Scoop-out bin. E. F. Schnuck and R. and W. G. Burns. No. 1,228,833; June 5; v. 239; p. 157.
 Score-keeping apparatus. E. W. Gullford, Jr. No. 1,214,541; Feb. 6; v. 235; p. 21.
 Scraper. J. W. Egan. No. 1,228,890; June 5; v. 239; p. 175.
 Scraper. T. B. Ferguson. No. 1,213,767; Jan. 23; v. 234; p. 1270.
 Scraper. N. P. Hensen. No. 1,212,351; Jan. 16; v. 234; p. 745.
 Scraper. B. Treadwell. No. 1,248,953; Dec. 4; v. 245; p. 153.
 Scraper. J. J. Wahle. No. 1,235,617; Aug. 7; v. 241; p. 30.
 Scraper. F. E. Williams. No. 1,228,154; May 29; v. 238; p. 1535.
 Scraper and drag, Combined road. E. F. Mittendorf. No. 1,243,329; Oct. 16; v. 243; p. 663.
 Scraper and handle-lock for lawn-rollers, Combined. R. E. Dunham. No. 1,218,635; Mar. 13; v. 236; p. 295.
 Scraper and stone-remover, Road-. F. E. York. No. 1,233,008; July 10; v. 240; p. 519.
 Scraper attachment. J. H. Goodro. No. 1,250,853; Dec. 18; v. 245; p. 778.
 Scraper, Cylinder-. R. L. Meader. No. 1,223,064; Apr. 17; v. 237; p. 793.
 Scraper, Dish and kettle. M. S. Darrin. No. 1,211,098; Jan. 2; v. 234; p. 248.
 Scraper, Dumping-. O. V. Howell. No. 1,241,383; Sept. 25; v. 242; p. 937.
 Scraper, Excavating-. I. E. Burkett. No. 1,242,320; Oct. 9; v. 243; p. 311.
 Scraper, Foot-. C. Dunham. No. 1,244,434; Oct. 23; v. 243; p. 1031.
 Scraper, Foot-. P. H. Sheridan. No. 1,212,572; Jan. 16; v. 234; p. 823.
 Scraper for crumb-brushes. C. T. Worth. No. 1,221,261; Apr. 3; v. 237; p. 92.
 Scraper for pans, kettles, &c. J. C. Battige. No. 1,223,238; Apr. 17; v. 237; p. 851.

- Scraper, Land-. D. R. Throop. No. 1,220,379; Mar. 27; v. 236; p. 974.
- Scraper loading and dumping mechanism. D. F. Hildebrand and J. E. Johnson. No. 1,216,569; Feb. 20; v. 235; p. 825.
- Scraper, Road-. F. Bodine. No. 1,212,008; Jan. 9; v. 234; p. 596.
- Scraper, Road-. J. Hughes. No. 1,237,783; Aug. 21; v. 241; p. 795.
- Scraper, Road-. J. Hughes. No. 1,245,107; Oct. 30; v. 243; p. 1273.
- Scraper, Slide-. A. K. Elrod. No. 1,246,074; Nov. 13; v. 244; p. 308.
- Scraper, Track-. A. E. Hunt. No. 1,228,559; June 5; v. 239; p. 63.
- Scraper, Wheeled. E. W. Burgess. No. 1,233,839; July 17; v. 240; p. 825.
- Scraper, Wheeled. M. V. Liddell. No. 1,222,428; Apr. 10; v. 237; p. 532.
- Scrapers, Attachment for road-. W. M. Dymond. No. 1,213,169; Jan. 23; v. 234; p. 1064.
- Scraping and cleaning device. L. Escutchen. No. 1,243,825; Oct. 23; v. 243; p. 849.
- Scraping and leveling device, Road. A. L. Chaffin. No. 1,219,375; Mar. 13; v. 236; p. 554.
- Scraping device. L. V. Robinson. No. 1,224,793; May 1; v. 238; p. 240.
- Scraping-tool. J. Donnelly. No. 1,217,922; Mar. 6; v. 236; p. 13.
- Screed-strip. W. D. Lockwood. No. 1,247,554; Nov. 20; v. 244; p. 777.
- Screed-supporting device. E. J. Straub. No. 1,245,632; Nov. 6; v. 244; p. 149.
- Screen: See—
- Adjustable screen. Revolving screen.
 - Door-screen. Roller-screen.
 - Door and window screen. Rolling screen.
 - Exhibition-screen. Sand-screen.
 - Fire-screen. Separator-screen.
 - Fish-screen. Sewerage-screen.
 - Fly-screen. Shaker-screen.
 - Folding screen. Shaking-screen.
 - Gasket-screen. Ventilating-screen.
 - Grain-pan screen. Well-screen.
 - Percolator-screen. Window-screen.
 - Photographic screen. Window or door screen.
 - Photomechanical screen. Window roll-screen.
 - Pulp-screen. Wire screen.
- Screen. H. K. Burch. No. 1,224,598; May 1; v. 238; p. 173.
- Screen. V. A. Debertshauser. No. 1,244,841; Oct. 30; v. 243; p. 1193.
- Screen. J. A. Dennis. No. 1,238,646; Aug. 28; v. 241; p. 1106.
- Screen. S. O. Edmonds. No. 1,212,151; Jan. 9; v. 234; p. 644.
- Screen. J. H. and A. E. Gilman. No. 1,212,344; Jan. 16; v. 234; p. 743.
- Screen. C. W. Jackson. No. 1,220,232; Mar. 27; v. 236; p. 920.
- Screen. H. Johnston. No. 1,245,237; Nov. 6; v. 244; p. 29.
- Screen. J. C. Lindh. No. 1,248,686; Dec. 4; v. 245; p. 76.
- Screen. J. J. Steffan and C. G. Scilligo. No. 1,235,735; Aug. 7; v. 241; p. 66.
- Screen. E. B. Symons. No. 1,222,903; Apr. 17; v. 237; p. 738.
- Screen. E. A. Wheeler. No. 1,218,344; Mar. 6; v. 236; p. 160.
- Screen and costumer, Combined. W. H. Schmid. No. 1,222,805; Apr. 17; v. 237; p. 705.
- Screen and storm-door, Combination. C. F. Franz. No. 1,242,789; Oct. 9; v. 243; p. 461.
- Screen attachment. S. E. McNulty. No. 1,233,590; July 17; v. 240; p. 746.
- Screen attachment for windows. C. J. Jackson. No. 1,234,034; July 17; v. 240; p. 887.
- Screen attachment, Window-. J. D. Archard. No. 1,242,413; Oct. 9; v. 243; p. 341.
- Screen device. T. J. and W. W. Hubbard. No. 1,249,964; Dec. 11; v. 245; p. 475.
- Screen-fastening device. J. C. White. No. 1,236,637; Aug. 14; v. 241; p. 388.
- Screen for projecting. L. Gaumont. No. 1,231,727; July 3; v. 240; p. 65.
- Screen-frame. W. N. Cropper and S. L. Lancaster. No. 1,243,715; Oct. 23; v. 243; p. 812.
- Screen frame, Window-. S. G. Anderson. No. 1,220,163; Mar. 27; v. 236; p. 897.
- Screen frame, Wire-. H. M. Carroll. No. 1,250,429; Dec. 18; v. 245; p. 652.
- Screen-hanger. C. Christensen. No. 1,217,275; Feb. 27; v. 235; p. 1109.
- Screen-hanger, Adjustable. D. E. Hipolito. No. 1,223,281; Apr. 17; v. 237; p. 865.
- Screen hanger, Half-. E. J. Fellman. No. 1,224,912; May 8; v. 238; p. 333.
- Screen having fly-exit means. E. K. Holland. No. 1,236,936; Aug. 14; v. 241; p. 487.
- Screen holder, Fly-. A. T. McKeown. No. 1,224,762; May 1; v. 238; p. 230.
- Screen, shade, and the like. A. C. Hough. No. 1,218,556; Mar. 6; v. 236; p. 230.
- Screen, shade, and the like. A. C. Hough. No. 1,238,064; Aug. 21; v. 241; p. 883.
- Screen-supporting frame, Foldable. B. F. Willett. No. 1,247,196; Nov. 20; v. 244; p. 676.
- Screen-wire fastener. W. W. Schmidt. No. 1,213,029; Jan. 16; v. 234; p. 983.
- Screen-wire support and measuring device, Combined. C. P. Carroll. No. 1,226,466; May 15; v. 238; p. 901.
- Screens and other frames, Corner-joint for. F. W. and R. S. Van Fleet. No. 1,245,537; Nov. 6; v. 244; p. 120.
- Screens and the like, Adjustable metallic frame for. C. A. Henry. (Reissue.) No. 14,360; Sept. 18; v. 242; p. 723.
- Screens, Device for cleaning sand and gravel. R. E. Noll. No. 1,213,239; Jan. 23; v. 234; p. 1089.
- Screens, Heat treatment and manufacture of woven. W. S. Potter. No. 1,212,553; Jan. 16; v. 234; p. 816.
- Screens, Holding means for roller-. E. T. Burrowes. No. 1,211,402; Jan. 9; v. 234; p. 385.
- Screening and drying apparatus. N. M. Rosendahl. No. 1,212,264; Jan. 16; v. 234; p. 715.
- Screening device. W. J. Bell. No. 1,247,620; Nov. 27; v. 244; p. 829.
- Screening device. D. Cole. No. 1,234,447; July 24; v. 240; p. 1059.
- Screening device. F. S. Curtis. No. 1,249,037; Dec. 4; v. 245; p. 177.
- Screening device. M. P. Reynolds. No. 1,242,982; Oct. 16; v. 243; p. 556.
- Screening mechanism. W. K. Liggett. No. 1,247,427; Nov. 20; v. 244; p. 742.
- Screening or separating machine. T. J. Sturtevant. No. 1,229,810; June 12; v. 239; p. 533.
- Screening or separating machine. T. J. Sturtevant. No. 1,229,811; June 12; v. 239; p. 533.
- Screening or separating machine. T. J. Sturtevant. No. 1,229,812; June 12; v. 239; p. 534.
- Screening or separating machine. T. J. Sturtevant. No. 1,229,813; June 12; v. 239; p. 534.
- Screening or separating machine. T. J. Sturtevant. No. 1,229,814; June 12; v. 239; p. 534.
- Screening or separating machine. T. J. Sturtevant. No. 1,229,815; June 12; v. 239; p. 535.
- Screening or separating machine. T. J. Sturtevant. No. 1,229,816; June 12; v. 239; p. 535.
- Screening or separating machine. T. J. Sturtevant. No. 1,229,817; June 12; v. 239; p. 535.
- Screening or separating machine. T. J. Sturtevant. No. 1,229,818; June 12; v. 239; p. 536.
- Screening or separating machine. T. L. and T. J. Sturtevant. No. 1,229,809; June 12; v. 239; p. 532.
- Screening or separating machines, Jarring mechanism for. T. J. Sturtevant. No. 1,229,819; June 12; v. 239; p. 536.
- Screening or separating machines, Jarring mechanism for. T. J. Sturtevant. No. 1,229,820; June 12; v. 239; p. 537.
- Screening or separating machines, Jarring mechanism for. T. J. Sturtevant. No. 1,229,821; June 12; v. 239; p. 537.
- Screw. C. H. Bissell. No. 1,243,799; Oct. 23; v. 243; p. 841.
- Screw. C. L. Christofferson. No. 1,238,636; Aug. 28; v. 241; p. 1103.
- Screw. G. W. Whiteman. No. 1,229,560; June 12; v. 239; p. 450.
- Screw. C. D. Woodward. No. 1,235,626; Aug. 7; v. 241; p. 32.
- Screw-adjusting mechanism, Feed-. A. Lindner. No. 1,239,193; Sept. 4; v. 242; p. 151.
- Screw-anchor. J. Richmond. No. 1,230,603; June 19; v. 239; p. 832.
- Screw-cap wrench. E. L. Fenstermaker. No. 1,225,231; May 8; v. 238; p. 439.
- Screw clamp, Temper-. P. S. Hovis. No. 1,243,065; Oct. 16; v. 243; p. 584.
- Screw connection, Temper-. J. Bergsten. No. 1,239,865; Sept. 11; v. 242; p. 395.
- Screw-cutting die. W. R. Rioux. No. 1,220,460; Mar. 27; v. 236; p. 1003.
- Screw-cutting die. R. W. Roelofson. No. 1,224,795; May 1; v. 238; p. 241.
- Screw-driver. R. Ard. No. 1,243,667; Oct. 16; v. 243; p. 763.
- Screw-driver. H. Hess. No. 1,249,394; Dec. 11; v. 245; p. 310.
- Screw-driver. H. Hood. No. 1,244,981; Oct. 30; v. 243; p. 1235.
- Screw-driver. A. F. Keppeler. No. 1,238,300; Aug. 28; v. 241; p. 995.
- Screw-driver. A. Kremer. No. 1,230,173; June 19; v. 239; p. 689.
- Screw-driver. L. R. Ohl. No. 1,218,452; Mar. 6; v. 236; p. 195.
- Screw-driver. H. W. Pomeroy. No. 1,239,961; Sept. 11; v. 242; p. 425.
- Screw-driver. C. A. Ryan. No. 1,229,793; June 12; v. 239; p. 527.
- Screw-driver. I. D. Shay. No. 1,239,131; Sept. 4; v. 242; p. 133.
- Screw-driver and tweezers, Combination. W. F. Sholl. No. 1,250,682; Dec. 18; v. 245; p. 727.

Alphabetical list of inventions—Continued.

- Screw-driver, Insulated. L. G. G. Holtschneider. No. 1,225,249; May 8; v. 238; p. 444.
- Screw-driver, Triple. J. B. Brown. No. 1,225,922; May 15; v. 238; p. 716.
- Screw-driver, Universal. G. Townill. No. 1,239,847; Sept. 11; v. 242; p. 389.
- Screw-drivers, Screw-holder for. D. H. Royer. No. 1,231,792; July 3; v. 240; p. 86.
- Screw-drivers, Screw-holding attachment for. O. A. Haufe. No. 1,240,138; Sept. 11; v. 242; p. 476.
- Screw-engine. G. H. Chappell. No. 1,221,834; Apr. 10; v. 237; p. 322.
- Screw-feed. S. A. Swanson. No. 1,250,047; Dec. 11; v. 245; p. 498.
- Screw-holding device. J. W. Cowell. No. 1,212,743; Jan. 16; v. 234; p. 885.
- Screw-jack. I. E. Hindman. No. 1,228,210; May 29; v. 238; p. 1552.
- Screw-jack. G. E. Miller and E. B. Cantrell. No. 1,228,943; June 5; v. 239; p. 192.
- Screw-jacks, Top plate for. S. M. Wetzel. No. 1,214,248; Jan. 30; v. 234; p. 1466.
- Screw-press. F. J. Jarecki. No. 1,245,235; Nov. 6; v. 244; p. 28.
- Screw, Set-. L. Wooden. No. 1,247,356; Nov. 20; v. 244; p. 722.
- Screw, Shaft set-. A. Tanzi. No. 1,220,024; Mar. 20; v. 236; p. 809.
- Screw-thread-gaging device. F. W. Whelpley and F. A. Bicknell. No. 1,223,012; Apr. 17; v. 237; p. 775.
- Screw-thread, Self-locking. I. C. Woodward. No. 1,250,748; Dec. 18; v. 245; p. 747.
- Screw-threads, Process of and means for tapping. R. P. Walker. No. 1,249,697; Dec. 11; v. 245; p. 397.
- Screw-threading articles made of horn. M. Segre. No. 1,227,680; May 29; v. 238; p. 1375.
- Screw-threading tap, Collapsible. H. Austin. No. 1,234,602; July 24; v. 240; p. 1107.
- Screws, bolts, and similar articles, Pointing and threading. R. L. Wilcox. No. 1,249,874; Dec. 11; v. 245; p. 451.
- Screws, cap-screws, and the like, Device for upsetting set-. T. Terry. (Reissue.) No. 1,4384; Oct. 30; v. 243; p. 1285.
- Screws, Lock-lever for thrust-. C. L. Sockwell. No. 1,251,299; Dec. 25; v. 245; p. 959.
- Screws, Producing hollow set-. N. W. Cummins. No. 1,243,818; Oct. 23; v. 243; p. 847.
- Scroll-cutting machine. E. G. Lacey. No. 1,211,456; Jan. 9; v. 234; p. 403.
- Scroll-forming machine. N. P. Perkins. No. 1,249,474; Dec. 11; v. 245; p. 333.
- Scrubber, Floor-. I. Reid. No. 1,221,218; Apr. 3; v. 237; p. 77.
- Scrubbing and drying machine. M. Vera. No. 1,214,849; Feb. 6; v. 235; p. 126.
- Scrubbing and mopping machine, Combination. F. Olander. No. 1,229,648; June 12; v. 239; p. 479.
- Scrubbing device. M. Bacon. No. 1,223,658; Apr. 24; v. 237; p. 1032.
- Scrubbing device. J. Puchalski and P. Kielkowicz. No. 1,229,136; June 5; v. 239; p. 256.
- Scrubbing-machine. G. F. Koster and H. D. MacIntyre. No. 1,211,948; Jan. 9; v. 234; p. 577.
- Scrubbing-machine. R. Zimmerman. No. 1,244,400; Oct. 23; v. 243; p. 1021.
- Scrubbing machine, Floor-. G. S. Blakeslee. No. 1,250,131; Dec. 18; v. 245; p. 562.
- Scrubbing machine, Floor-. M. H. Crapser. No. 1,214,513; Feb. 6; v. 235; p. 10.
- Scutching-machine. J. Hubler. No. 1,239,914; Sept. 11; v. 242; p. 410.
- Scuttle-hole protector. A. Ganzenmüller. No. 1,223,956; Apr. 24; v. 237; p. 1135.
- Scythe. C. H. Eastburg. No. 1,218,535; Mar. 6; v. 236; p. 223.
- Scythe. C. L. Smith. No. 1,247,461; Nov. 20; v. 244; p. 752.
- Scythe-snathe. F. Ducret and J. Daniel. No. 1,250,993; Dec. 25; v. 245; p. 870.
- Scythe-snathe fastener. D. F. Heverly. No. 1,236,710; Aug. 14; v. 241; p. 414.
- Seal. M. B. Behrman. No. 1,239,665; Sept. 11; v. 242; p. 330.
- Seal. W. M. Brooks. No. 1,219,075; Mar. 13; v. 236; p. 450.
- Seal. W. M. Brooks. No. 1,219,076; Mar. 13; v. 236; p. 451.
- Seal. R. A. Edgar. No. 1,234,739; July 31; v. 240; p. 1184.
- Seal. R. T. Hosking. No. 1,240,719; Sept. 18; v. 242; p. 693.
- Seal. C. J. Reynolds. No. 1,239,966; Sept. 11; v. 242; p. 426.
- Seal. C. J. Reynolds. No. 1,245,026; Oct. 30; v. 243; p. 1249.
- Seal, Barrier-. E. E. Rose. No. 1,246,470; Nov. 13; v. 244; p. 428.
- Seal, Bottle-. C. Johnson. No. 1,246,748; Nov. 13; v. 244; p. 510.
- Seal, Box-strap. W. C. Fork. No. 1,232,674; July 10; v. 240; p. 410.
- Seal, Bung-. J. M. Hothersall. No. 1,227,143; May 22; v. 238; p. 1169.
- Seal, Car-. C. B. Kyler. No. 1,225,255; May 8; v. 238; p. 446.
- Seal, Car-. P. Schmitz. No. 1,217,077; Feb. 20; v. 235; p. 995.
- Seal, Car-. J. A. Stodgell. No. 1,235,167; July 31; v. 240; p. 1315.
- Seal, Car-. F. Strahm. No. 1,231,216; June 26; v. 239; p. 1077.
- Seal, Car-door. W. V. Goodnow. No. 1,215,520; Feb. 13; v. 235; p. 396.
- Seal carrier, Car-. L. T. Burtraw. No. 1,219,623; Mar. 20; v. 236; p. 670.
- Seal-closure, Top and side. C. Hammer. No. 1,231,881; July 3; v. 240; p. 117.
- Seal, Electrical-service cut-out. W. W. Givot. No. 1,243,283; Oct. 16; v. 243; p. 648.
- Seal-fastening. L. A. George. No. 1,248,310; Nov. 27; v. 244; p. 1026.
- Seal for bags. T. L. De Land. No. 1,234,640; July 24; v. 240; p. 1119.
- Seal for glass containers and the like, Side. H. E. Townsend. No. 1,242,743; Oct. 9; v. 243; p. 446.
- Seal for receptacles. C. A. Dugan. No. 1,232,248; July 3; v. 240; p. 238.
- Seal holder, Car-. O. Eggen. No. 1,232,778; July 10; v. 240; p. 445.
- Seal, Insulating gas-tight. W. E. Story, Jr. No. 1,215,074; Feb. 6; v. 235; p. 208.
- Seal-lock. M. H. V. Battenberg. No. 1,233,440; July 17; v. 240; p. 695.
- Seal-lock for freight-car doors. J. E. McLaughlin and D. Bordeleau. No. 1,244,625; Oct. 30; v. 243; p. 1127.
- Seal, Meter-. W. M. Brooks. No. 1,237,289; Aug. 21; v. 241; p. 635.
- Seal, Notary's. E. W. Eastman. No. 1,250,994; Dec. 25; v. 245; p. 870.
- Seal-presses, Treadle-operated mechanism for. P. Leo. No. 1,228,934; June 5; v. 239; p. 189.
- Seal, Silo-. F. B. Crawford. No. 1,229,040. June 5; v. 239; p. 223.
- Seal, Tag-. L. Harris. No. 1,237,034; Aug. 14; v. 241; p. 519.
- Seal trap, Liquid-. A. P. Lawler. No. 1,224,181; May 1; v. 238; p. 23.
- Seal, Vacuum-tight. E. E. Eby. No. 1,223,777; Apr. 24; v. 237; p. 1075.
- Seal, Wire. I. Schultiz. No. 1,219,046; Mar. 13; v. 236; p. 442.
- Seals, Machine for making bottle-. A. H. Braecklein. No. 1,214,504; Feb. 6; v. 235; p. 6.
- Sealer and fastener, Package. H. C. Marston. No. 1,219,831; Mar. 20; v. 236; p. 743.
- Sealer, Envelop-. J. H. Barrow. No. 1,217,083; Feb. 20; v. 235; p. 997.
- Sealing box, Liquid-. J. B. Keating. No. 1,211,166; Jan. 2; v. 234; p. 270.
- Sealing-cap. H. E. Townsend. No. 1,242,741; Oct. 9; v. 243; p. 445.
- Sealing-closure with removable gasket. H. E. Townsend. No. 1,242,742; Oct. 9; v. 243; p. 445.
- Sealing device. J. E. Doldt. No. 1,232,902; July 10; v. 240; p. 486.
- Sealing device, Bottle and jar. A. Ingram. No. 1,218,662; Mar. 13; v. 236; p. 305.
- Sealing device, Envelop-. D. H. Mosteller and C. E. Kennedy. No. 1,226,238; May 15; v. 238; p. 824.
- Sealing-disk for bottle-stoppers. J. Neumann. No. 1,230,594; June 19; v. 239; p. 829.
- Sealing evacuated vessels, Apparatus for. G. F. Gray. No. 1,237,200; Aug. 14; v. 241; p. 567.
- Sealing glass bulbs. A. J. Loepsinger. No. 1,241,229; Sept. 25; v. 242; p. 888.
- Sealing glass bulbs, Apparatus for. A. J. Loepsinger. No. 1,226,980; May 15; v. 238; p. 736.
- Sealing hopper-closure. F. L. Caskey. No. 1,224,136; May 1; v. 238; p. 7.
- Sealing-machine. J. MacLaurin. (Reissue.) No. 1,4276; Mar. 20; v. 236; p. 867.
- Sealing-machine. R. Magrane. No. 1,235,146; July 31; v. 240; p. 1309.
- Sealing machine, Can-. J. M. Frederick. No. 1,232,273; July 3; v. 240; p. 247.
- Sealing machine, Envelop-. S. and L. Anderson. No. 1,247,436; Nov. 20; v. 244; p. 758.
- Sealing machine, Envelop-. A. B. Crawford. No. 1,238,111; Aug. 28; v. 241; p. 932.
- Sealing machine, Envelop-. S. L. Long. No. 1,223,499; Apr. 24; v. 237; p. 975.
- Sealing machine, Package-. L. D. Morton. (Reissue.) No. 1,4267; Mar. 6; v. 236; p. 252.
- Sealing machine, Packing case or carton. H. L. Johnson. No. 1,223,176; Apr. 17; v. 237; p. 833.
- Sealing machine, Packing-case or carton-. H. L. Johnson. No. 1,242,945; Oct. 16; v. 243; p. 545.
- Sealing machine, Vacuum-. E. B. Kramer and C. Hammer. No. 1,244,508; Oct. 30; v. 243; p. 1091.
- Sealing machine, Vacuum-. T. L. Taliaferro. No. 1,245,063; Oct. 30; v. 243; p. 1260.
- Sealing means, Envelop-. T. A. Thompson. No. 1,218,494; Mar. 6; v. 236; p. 208.

- Sealing mechanism, Compartment. F. J. Matchette. No. 1,222,966; Apr. 17; v. 237; p. 760.
- Sealing of the cover of a vessel, Device for the gas-tight. E. Rüegger. No. 1,246,164; Nov. 13; v. 244; p. 335.
- Sealing pneumatic tubes, Composition of matter for. A. J. Rheubottom. No. 1,215,861; Feb. 13; v. 235; p. 521.
- Sealing receptacles, Machine for. P. J. Boucher. No. 1,230,849; June 26; v. 239; p. 952.
- Sealing the feed and discharge openings of rotary containers, Appliance for. J. L. Malm. No. 1,214,809; Feb. 6; v. 235; p. 112.
- Sealing tube ends, Press for. H. H. Freund. No. 1,237,636; Aug. 21; v. 241; p. 745.
- Sealing-wax-applying device, Electric. F. M. Andrews. No. 1,219,903; Mar. 20; v. 236; p. 768.
- Seam. A. A. Merritt. No. 1,219,023; Mar. 13; v. 236; p. 434.
- Seam and formation of same. A. A. Merritt. No. 1,219,024; Mar. 13; v. 236; p. 434.
- Seam-dampening machine. B. K. Albrecht. No. 1,245,149; Nov. 6; v. 244; p. 3.
- Seam-dampening machine. H. C. Miller. No. 1,228,689; June 5; v. 239; p. 107.
- Seam-dampening machine. J. J. Seltenreich. No. 1,228,066; May 29; v. 238; p. 1507.
- Seam-dampening machine. J. J. Seltenreich. No. 1,232,725; July 10; v. 240; p. 427.
- Seam, Duplex flat joining and covering. L. Onderdonk. No. 1,214,579; Feb. 6; v. 235; p. 33.
- Seam, Edge-finishing. A. H. De Voc. No. 1,239,674; Sept. 4; v. 242; p. 332.
- Seam, Embroidered. R. Loeb. No. 1,222,775; Apr. 17; v. 237; p. 694.
- Seam, Ornamental edge-finishing. A. H. De Voc. No. 1,239,675; Sept. 11; v. 242; p. 333.
- Seaming mechanism, Lap. W. T. Benjamin. No. 1,238,857; Sept. 4; v. 242; p. 44.
- Search-light. M. Matz. No. 1,215,043; Feb. 6; v. 235; p. 199.
- Search-light. J. H. McPartland. No. 1,211,204; Jan. 2; v. 234; p. 284.
- Seat: See—
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| Adjustable seat. | Locomotive-cab spring-seat. |
| Automobile-seat. | Movable seat. |
| Automobile auxiliary seat. | Perambulator folding seat. |
| Auxiliary seat. | Piano-seat. |
| Bath-tub seat. | Portable seat. |
| Canopy-seat. | Rowboat-seat. |
| Car-seat. | Spring-seat. |
| Chair-seat. | Toilet-seat. |
| Child's seat. | Valve-seat. |
| Collapsible seat. | Vehicle-seat. |
| Cushion-seat. | Vehicle collapsible seat. |
| Foldable seat. | Wagon-seat. |
| Folding seat. | Water-closet seat. |
| Grain-tank seat. | Window-seat. |
| Hanging seat. | |
- Seat. V. P. Buck. No. 1,239,253; Sept. 4; v. 242; p. 172.
- Seat. D. M. King. No. 1,246,278; Nov. 13; v. 244; p. 369.
- Seat. W. A. Pocock. No. 1,232,079; July 3; v. 240; p. 184.
- Seat. B. Schechter. No. 1,231,205; June 26; v. 239; p. 1073.
- Seat and back-rest, Convertible. H. C. Whitaker. No. 1,216,029; Feb. 13; v. 235; p. 582.
- Seat attachment. A. H. Reid. No. 1,220,555; Mar. 27; v. 236; p. 1036.
- Seat-back, Auxiliary. M. A. Bobrick. No. 1,222,175; Apr. 10; v. 237; p. 442.
- Seat back, Car. G. B. Kohler. No. 1,220,644; Mar. 27; v. 236; p. 1066.
- Seat-back, Let-down. A. T. Crawford. No. 1,220,498; Mar. 27; v. 236; p. 1015.
- Seat-back spring. L. A. Young. No. 1,218,234; Mar. 6; v. 236; p. 121.
- Seat-cover. H. C. Linthicum. No. 1,213,511; Jan. 23; v. 234; p. 1183.
- Seat-cover apparatus, Sanitary. A. M. Anchorstar. No. 1,250,541; Dec. 18; v. 245; p. 686.
- Seat-cover apparatus, Sanitary. L. A. Jiranek. No. 1,224,646; May 1; v. 238; p. 139.
- Seat-cover pin. F. L. Becker. No. 1,241,606; Oct. 2; v. 243; p. 45.
- Seat-indicator. J. A. Gunn. No. 1,241,965; Oct. 2; v. 243; p. 158.
- Seat-posts, Manufacturing. E. J. Lonn. No. 1,223,059; Apr. 17; v. 237; p. 791.
- Seat rack, Theater. O. P. W. Hanson. No. 1,239,389; Sept. 4; v. 242; p. 213.
- Seat-spring. W. P. Judge. No. 1,223,494; Apr. 24; v. 237; p. 973.
- Seat-spring. L. A. Young. No. 1,211,267; Jan. 2; v. 234; p. 308.
- Seat-stick, Folding. W. Mills. No. 1,241,753; Oct. 2; v. 243; p. 91.
- Seats, Forming-machine for plain upholstered. W. Dritley. No. 1,224,909; May 8; v. 238; p. 332.
- Seating, Sheet-metal. G. M. Turner. No. 1,230,948; June 26; v. 239; p. 985.
- Secondary or storage battery. B. Ford. No. 1,210,786; Jan. 2; v. 234; p. 141.
- Secondary or storage battery. B. Ford. No. 1,210,787; Jan. 2; v. 234; p. 141.
- Secondary or storage battery. B. Ford. No. 1,230,393; June 19; v. 239; p. 760.
- Secondary or storage battery. B. Ford. No. 1,238,754; Sept. 4; v. 242; p. 11.
- Secondary or storage battery. B. Ford. No. 1,238,755; Sept. 4; v. 242; p. 11.
- Section-switch. H. W. Davis. No. 1,239,464; Sept. 11; v. 242; p. 266.
- Sectional boiler. W. M. Butler and E. R. Greeley. No. 1,235,007; July 31; v. 240; p. 1268.
- Sectional post. S. M. Spencer. No. 1,218,813; Mar. 13; v. 236; p. 361.
- Sectional tie. A. Revert. No. 1,231,428; June 26; v. 239; p. 1147.
- Securing and tightening bolt. R. C. Livesay. No. 1,246,122; Nov. 13; v. 244; p. 322.
- Securing-clasp. G. A. Pound. No. 1,215,058; Feb. 6; v. 235; p. 203.
- Securing device. S. B. Dunn. No. 1,221,706; Apr. 3; v. 237; p. 244.
- Sediment-tester. G. A. Wilson. No. 1,248,232; Nov. 27; v. 244; p. 1004.
- Seed and fertilizer distributor. W. D. Haines. No. 1,223,967; Apr. 24; v. 237; p. 1139.
- Seed-beds, Preparing. T. W. Hicks. No. 1,239,599; Sept. 11; v. 242; p. 309.
- Seed-cleaner. G. E. Wood. No. 1,223,014; Apr. 17; v. 237; p. 776.
- Seed cleaner and separator. W. F. Hartrampf. No. 1,213,101; Jan. 16; v. 234; p. 1008.
- Seed cleaner, Beet. J. F. Jarrell. No. 1,235,479; July 31; v. 240; p. 1407.
- Seed cleaner, Cotton. J. H. Cary. No. 1,236,147; Aug. 7; v. 241; p. 198.
- Seed-cleaning machine. S. Herr. No. 1,216,803; Feb. 20; v. 235; p. 905.
- Seed conveyor and cleaner, Cotton. W. F. Bridewell and J. W. Winfrey. No. 1,235,427; July 31; v. 240; p. 1392.
- Seed-cotton separator. J. N. Ellenburg. No. 1,216,673; Feb. 20; v. 235; p. 860.
- Seed-delinter, Cotton. L. R. Holt. No. 1,247,679; Nov. 27; v. 244; p. 847.
- Seed-discharging mechanism. O. F. Smith. No. 1,244,787; Oct. 30; v. 243; p. 1177.
- Seed-drill. C. H. Larsson. No. 1,218,421; Mar. 6; v. 236; p. 185.
- Seed-dropper. J. M. Hefner. No. 1,235,139; July 31; v. 240; p. 1307.
- Seed-feeding mechanism. J. W. Ropp. No. 1,243,631; Oct. 16; v. 243; p. 752.
- Seed-gatherer. J. G. Johnson. No. 1,212,644; Jan. 16; v. 234; p. 850.
- Seed-grader. A. W. Codd. No. 1,238,267; Aug. 28; v. 241; p. 984.
- Seed-grader. G. C. Leach. No. 1,222,111; Apr. 10; v. 237; p. 419.
- Seed-saving machine. W. J. Blakeslee. No. 1,229,870; June 12; v. 239; p. 563.
- Seed-separator. J. H. Law. No. 1,244,102; Oct. 23; v. 243; p. 932.
- Seed-separator. D. C. McConnell. No. 1,247,433; Nov. 20; v. 244; p. 744.
- Seed-tester. O. M. Mundale. No. 1,210,675; Jan. 2; v. 234; p. 104.
- Seeds and nuts for obtaining oil and other products, Treating. B. Loomis. No. 1,244,995; Oct. 30; v. 243; p. 1239.
- Seeds or the like, Machine for sowing. J. Hutton. No. 1,241,387; Sept. 25; v. 242; p. 939.
- Seeds, Treatment of. H. E. Fry. No. 1,218,850; Mar. 13; v. 236; p. 375.
- Seeder and harrow. D. D. Stephens. No. 1,218,712; Mar. 13; v. 236; p. 323.
- Seeder, Broadcast. B. M. Steele. No. 1,212,835; Jan. 16; v. 234; p. 916.
- Seeder, Fruit. D. Phillips. No. 1,212,101; Jan. 9; v. 234; p. 625.
- Seeder, Garden. F. Olson. No. 1,226,800; May 22; v. 238; p. 1051.
- Seeders and planters, Drop-feed for. M. P. Johnson. No. 1,241,123; Sept. 25; v. 242; p. 854.
- Seeders and planters, Fender for. B. C. Mendenhall. No. 1,222,884; Apr. 17; v. 237; p. 732.
- Seeding attachment. J. B. Steele and H. Follis. No. 1,229,342; June 12; v. 239; p. 376.
- Seeding-machine. W. L. Braley. No. 1,215,472; Feb. 13; v. 235; p. 378.
- Seeding-machine. O. B. Smith. No. 1,212,414; Jan. 16; v. 234; p. 767.
- Seeding-machine hopper. H. N. Fass and W. L. Braley. No. 1,224,911; May 8; v. 238; p. 332.
- Seeding-machines, Furrow-opener for. C. E. Patric. No. 1,229,194; June 5; v. 239; p. 276.
- Segregation system. L. S. Robinson. No. 1,235,502; July 31; v. 240; p. 1415.
- Seine fabric, Fish. F. G. Miller. No. 1,217,978; Mar. 6; v. 236; p. 31.
- Seine-puller. C. J. Berglann. No. 1,249,888; Dec. 11; v. 245; p. 454.
- Seine-puller. O. E. Hagset. No. 1,232,535; July 10; v. 240; p. 365.
- Selecting apparatus and system. A. F. Dixon. No. 1,215,918; Feb. 13; v. 235; p. 541.

Alphabetical list of inventions—Continued.

- Selecting mechanism. O. A. Danielson. No. 1,215,917; Feb. 13; v. 235; p. 540.
- Selecting mechanism. N. M. La Porte. No. 1,226,777; May 22; v. 238; p. 1043.
- Selecting mechanism. F. R. McMurtry. No. 1,212,531; Jan. 16; v. 234; p. 808.
- Selecting mechanism and system. A. F. Dixon. No. 1,210,912; Jan. 2; v. 234; p. 184.
- Selecting system. A. F. Dixon. No. 1,222,853; Apr. 17; v. 237; p. 720.
- Selectively-operated system. R. N. Hill. No. 1,221,177; Apr. 3; v. 237; p. 62.
- Selector. C. S. Rhoads, Jr. No. 1,244,544; Oct. 30; v. 243; p. 1103.
- Selector-switch. A. H. Adams and A. E. Lundell. No. 1,233,831; July 17; v. 240; p. 822.
- Selector-switch. M. K. McGrath. No. 1,245,481; Nov. 6; v. 244; p. 101.
- Self-anchoring puller. G. Moe and A. J. Kirstin. No. 1,223,510; Apr. 24; v. 237; p. 980.
- Self-centering demountable wheel. J. E. Strietelmeier. No. 1,227,852; May 29; v. 238; p. 1434.
- Self-cleaning rake. M. J. Hamburger. No. 1,234,755; July 31; v. 240; p. 1189.
- Self-cleaning rake, Automatic. J. W. and C. F. Reiter. No. 1,251,284; Dec. 25; v. 245; p. 954.
- Self-healing tube and making same. G. J. Reuter. No. 1,237,698; Aug. 21; v. 241; p. 769.
- Self-leveling table. A. Kuruncz and M. Ballint. No. 1,222,420; Apr. 10; v. 237; p. 529.
- Self-leveling table. A. Simoncelli. No. 1,248,734; Dec. 4; v. 245; p. 91.
- Self-loading mixer. G. S. Atkinson. No. 1,220,812; Mar. 27; v. 236; p. 1123.
- Self-lubricating bolt. O. Zerk. No. 1,217,259; Feb. 27; v. 235; p. 1103.
- Self-lubricating spring. R. C. Erwin. No. 1,249,361; Dec. 11; v. 245; p. 301.
- Self-oiled mechanism. C. G. Wood. No. 1,239,548; Sept. 11; v. 242; p. 293.
- Self-opening can. J. M. Hothersall. No. 1,244,610; Oct. 30; v. 243; p. 1123.
- Self-tightening bolt and nut. J. C. Canfield. No. 1,212,126; Jan. 9; v. 234; p. 634.
- Self-turning light for rolling-stock. R. H. Saltors. No. 1,217,072; Feb. 20; v. 235; p. 994.
- Selling system, Package. J. A. Stromberg. No. 1,211,641; Jan. 9; v. 234; p. 466.
- Selva-trimmer. R. Butler and E. A. Tinsman. No. 1,235,006; July 31; v. 240; p. 1267.
- Semaphore-arm. W. A. Dunlap. No. 1,231,244; June 26; v. 239; p. 1085.
- Semaphore-chart. W. N. Bratt. No. 1,246,708; Nov. 13; v. 244; p. 498.
- Semaphore-instructor. J. E. Meyers. No. 1,229,638; June 12; v. 239; p. 476.
- Semaphore-signal blade. M. H. Loughridge and R. P. Tuttle. No. 1,242,899; Oct. 9; v. 243; p. 495.
- Semaphore-signal device. R. P. Tuttle and M. H. Loughridge. No. 1,242,891; Oct. 9; v. 243; p. 493.
- Semisolid substances, Apparatus for dispensing. J. W. Kennedy. No. 1,250,470; Dec. 18; v. 245; p. 664.
- Separating apparatus. C. C. Ruprecht. No. 1,222,804; Apr. 17; v. 237; p. 705.
- Separating apparatus, Gravity discharge-gate for. C. E. Christ. No. 1,213,746; Jan. 23; v. 234; p. 1263.
- Separating device. W. P. Gross. No. 1,242,683; Oct. 9; v. 243; p. 427.
- Separating device. M. Sleeth. No. 1,218,960; Mar. 13; v. 236; p. 412.
- Separating device. M. Sleeth. No. 1,238,949; Sept. 4; v. 242; p. 74.
- Separating device. E. J. Steckle. No. 1,210,868; Jan. 2; v. 234; p. 168.
- Separating-machine. A. J. Buckley. No. 1,239,561; Sept. 11; v. 242; p. 297.
- Separating-machine, Liquid centrifugal. F. A. Reece. No. 1,230,601; June 19; v. 239; p. 831.
- Separating materials, Apparatus for. E. Kardos. No. 1,250,590; Dec. 18; v. 245; p. 701.
- Separating unfilterable material from a mixture of filterable and unfilterable matter, Apparatus for. C. W. Merrill. No. 1,226,103; May 15; v. 238; p. 779.
- Separation of finely-divided substances from coarse and foreign matters. B. Schwerin. No. 1,230,524; June 19; v. 239; p. 805.
- Separation of substances, Means for effecting magnetic or inductive. S. W. Osgood. No. 1,214,817; Feb. 6; v. 235; p. 115.
- Separator: See—
- Air and water separator.
- Battery-separator.
- Bean-separator.
- Centrifugal separator.
- Centrifugal self-balancing separator.
- Coin-separator.
- Cream-separator.
- Cup-separator.
- Dust-separator.
- Egg-separator.
- Electromagnetic separator.
- Electrostatic separator.
- Gasolene-separator.
- Gasolene-water separator.
- Gold-separator.
- Grain-separator.
- Grinding-mill separator.
- Grits-separator.
- Liquid-separator.
- Magnetic separator.
- Milk and cream separator.
- Multitime separator.
- Nut-separator.
- Oil-separator.
- Ore-separator.
- Separator: See—Continued.
- Pneumatic separator.
- Potato-separator.
- Rail-separator.
- Seed-separator.
- Seed-cotton separator.
- Spring-leaf separator.
- Separator. J. P. Buchan. No. 1,217,404; Feb. 27; v. 235; p. 1153.
- Separator. J. H. Crowson. No. 1,221,974; Apr. 10; v. 237; p. 372.
- Separator. W. F. Gongaware. No. 1,244,191; Oct. 23; v. 243; p. 957.
- Separator. W. J. and W. E. Goynes and G. M. Pacetti. No. 1,219,290; Mar. 13; v. 236; p. 523.
- Separator. M. L. Hickman. No. 1,215,935; Feb. 13; v. 235; p. 548.
- Separator. H. M. Hoel and E. A. Shew. No. 1,231,158; June 26; v. 239; p. 1057.
- Separator. G. E. Keller and J. F. Pender. No. 1,249,635; Dec. 11; v. 245; p. 379.
- Separator. A. Laumeister. No. 1,214,189; Jan. 30; v. 234; p. 1444.
- Separator. R. H. Rice. No. 1,230,784; June 19; v. 239; p. 891.
- Separator. J. Schneible. No. 1,238,829; Sept. 4; v. 242; p. 35.
- Separator. E. M. Stewart and H. H. McKenna. No. 1,229,542; June 12; v. 239; p. 443.
- Separator and amalgamator. A. P. Palmer. No. 1,231,420; June 26; v. 239; p. 1145.
- Separator-drive. P. B. Shee. No. 1,233,516; July 17; v. 240; p. 721.
- Separator-drums, Coupling device for. J. A. Dahlqvist. No. 1,241,713; Oct. 2; v. 243; p. 78.
- Separator or amalgamator. J. A. Macdonald. No. 1,237,798; Aug. 21; v. 241; p. 799.
- Separator-press. A. J. Morlock. No. 1,231,929; July 3; v. 240; p. 132.
- Separator-regulator. M. H. Reap. No. 1,217,826; Feb. 27; v. 235; p. 1303.
- Separator-screen. B. C. Calderwood. No. 1,222,732; Apr. 17; v. 237; p. 680.
- Septic tank. W. C. Ferguson. No. 1,224,913; May 8; v. 238; p. 333.
- Sepulcher. E. M. Treat. No. 1,240,106; Sept. 11; v. 242; p. 466.
- Serum-extractor, Vacuum. T. P. Haslam. No. 1,212,945; Jan. 16; v. 234; p. 953.
- Service-box and switch. M. Havens, Jr., and F. R. Meglinski. No. 1,214,915; Feb. 6; v. 235; p. 151.
- Service, demand, or operation recorder. E. G. Ralston. No. 1,218,955; Mar. 13; v. 236; p. 410.
- Service-observing system. H. L. Hoffmann. No. 1,245,341; Nov. 6; v. 244; p. 60.
- Serving apparatus. C. H. Skeen. No. 1,249,221; Dec. 4; v. 245; p. 229.
- Serving-stand. T. F. Nash. No. 1,242,225; Oct. 9; v. 243; p. 281.
- Serving-table, Portable. J. L. Abadie. No. 1,235,539; Aug. 7; v. 241; p. 3.
- Serving-table, Rotary. C. A. Hoag. No. 1,235,689; Aug. 7; v. 241; p. 51.
- Settee and article-carrier. G. A. Ritz. No. 1,251,424; Dec. 25; v. 245; p. 995.
- Settling apparatus. A. L. Blomfield. No. 1,227,107; May 22; v. 238; p. 1156.
- Sew seams with gaps, Machine to. W. R. Rogers. No. 1,240,259; Sept. 18; v. 242; p. 554.
- Sewage and analogous liquids, Purification for. W. Jones. No. 1,247,540; Nov. 20; v. 244; p. 774.
- Sewage and analogous liquids, Purification of. W. Jones. No. 1,247,542; Nov. 20; v. 244; p. 774.
- Sewage and analogous liquids, Purification of. W. Jones. No. 1,247,543; Nov. 20; v. 244; p. 775.
- Sewage and other liquids, Purification of. W. Jones. No. 1,247,541; Nov. 20; v. 244; p. 774.
- Sewage and other waste liquids, Apparatus for treating. T. K. Irwin. No. 1,220,990; Mar. 27; v. 236; p. 1181.
- Sewage by micro-organisms, Disposal of. O. F. Starr. No. 1,223,004; Apr. 17; v. 237; p. 772.
- Sewage, Tank for the treatment of. H. Y. Scarborough. No. 1,223,427; Apr. 24; v. 237; p. 949.
- Sewage, Treating. W. H. Sawyer. No. 1,242,986; Oct. 16; v. 243; p. 558.
- Sewer-cleaner. J. M. Thompson. No. 1,218,912; Mar. 13; v. 236; p. 396.
- Sewer-cleaning means. J. Price. No. 1,215,189; Feb. 6; v. 235; p. 246.
- Sewer-opening apparatus. J. Alder, Sr. No. 1,225,739; May 15; v. 238; p. 655.
- Sewer-opening apparatus. J. Alder, Sr. No. 1,241,894; Oct. 2; v. 243; p. 136.
- Sewer-pipe, Machine for forming concrete. J. M. Schenk and J. H. Stewart. No. 1,248,018; Nov. 27; v. 244; p. 944.
- Sewer-pipe section for sewer-building. W. H. Rook, Jr. No. 1,219,663; Mar. 20; v. 236; p. 685.
- Sewer-pipe sections, Device for handling. F. H. Weaver. No. 1,222,166; Apr. 10; v. 237; p. 439.
- Sewer-pipes and the like, Machine for trimming and finishing. D. Schultz. No. 1,249,520; Dec. 11; v. 245; p. 346.
- Steam-separator.
- Steam and oil separator.
- Steam-dome separator.
- Threshing-machine separator.

- Sewer-structure invert and block. J. H. Zinn. No. 1,238,475; Aug. 28; v. 241; p. 1051.
- Sewer-trap. J. Elder. No. 1,233,856; July 17; v. 240; p. 832.
- Sewer-trap. F. J. Heybach. No. 1,220,123; Mar. 20; v. 236; p. 847.
- Sewer-trap. B. B. Johnson. No. 1,222,296; Apr. 10; v. 237; p. 484.
- Sewer-trap cap. E. G. Gross. No. 1,245,903; Nov. 6; v. 244; p. 231.
- Sewer-vent cap. M. L. McGuire. No. 1,215,685; Feb. 13; v. 235; p. 460.
- Sewers and the like, Scraper arrangement for. H. A. Cutler. No. 1,220,075; Mar. 20; v. 236; p. 829.
- Sewerage-screen. R. A. North. No. 1,217,207; Feb. 27; v. 235; p. 1086.
- Sewed articles, Overseam for. C. E. Bentley. No. 1,228,873; June 5; v. 239; p. 171.
- Sewed articles, Seam for. A. Griebel. No. 1,218,762; Mar. 13; v. 236; p. 341.
- Sewed articles, Seam for. T. J. Hayes. No. 1,226,210; May 15; v. 238; p. 814.
- Sewed articles, Seam for. C. McNeill. No. 1,214,563; Feb. 6; v. 235; p. 28.
- Sewing and binding machine. J. R. Moffatt. No. 1,217,329; Feb. 27; v. 235; p. 1127.
- Sewing and trimming machine. J. R. Moffatt. No. 1,235,911; Aug. 7; v. 241; p. 125.
- Sewing apparatus, Filled-bag. D. S. Seymour. No. 1,248,731; Dec. 4; v. 245; p. 90.
- Sewing appliance. S. D. Jackson. No. 1,229,963; June 12; v. 239; p. 582.
- Sewing-bowl. M. F. Kellner. No. 1,241,522; Oct. 2; v. 243; p. 16.
- Sewing-chair. B. F. Tinsley. No. 1,212,813; Jan. 16; v. 234; p. 875.
- Sewing, embroidering, &c., Needle-guard for machines for. I. L. Miller. No. 1,234,556; July 24; v. 240; p. 1094.
- Sewing leather articles, Machine for. P. Wajdlc. No. 1,219,684; Mar. 20; v. 236; p. 691.
- Sewing looped fabrics, Trimming and cleaning attachment for machines for. A. L. Traver. No. 1,245,533; Nov. 6; v. 244; p. 119.
- Sewing-machine. E. B. Allen. No. 1,243,679; Oct. 23; v. 243; p. 799.
- Sewing-machine. J. V. Allen and E. E. Orr. No. 1,213,788; Jan. 23; v. 234; p. 1277.
- Sewing-machine. F. Ashworth. No. 1,233,539; July 17; v. 240; p. 728.
- Sewing-machine. F. Ashworth. No. 1,248,784; Dec. 4; v. 245; p. 106.
- Sewing-machine. S. W. Avis. No. 1,243,242; Oct. 16; v. 243; p. 636.
- Sewing-machine. F. Baker. No. 1,238,979; Sept. 4; v. 242; p. 83.
- Sewing-machine. J. Berger, Jr. No. 1,213,449; Jan. 23; v. 234; p. 1163.
- Sewing-machine. J. Berger, Jr. No. 1,247,072; Nov. 20; v. 244; p. 640.
- Sewing-machine. P. A. Bowen. No. 1,250,272; Dec. 18; v. 245; p. 605.
- Sewing-machine. C. J. Cady. No. 1,225,220; May 8; v. 238; p. 436.
- Sewing-machine. L. G. Coade. No. 1,225,772; May 15; v. 238; p. 666.
- Sewing-machine. R. Cornely. No. 1,223,564; Apr. 24; v. 237; p. 998.
- Sewing-machine. R. Cornely. No. 1,227,119; May 22; v. 238; p. 1160.
- Sewing-machine. H. Corfall. No. 1,243,921; Oct. 23; v. 243; p. 878.
- Sewing-machine. H. Corral and J. M. Forbes. No. 1,241,710; Oct. 2; v. 243; p. 77.
- Sewing-machine. A. H. De Voe. No. 1,226,951; May 22; v. 238; p. 1101.
- Sewing-machine. M. T. Denne. No. 1,221,842; Apr. 10; v. 237; p. 325.
- Sewing-machine. H. C. Eldredge and C. H. Ladd. No. 1,248,094; Nov. 27; v. 244; p. 965.
- Sewing-machine. H. H. Fefell. No. 1,217,929; Mar. 6; v. 236; p. 16.
- Sewing-machine. A. F. Fifield. No. 1,226,963; May 22; v. 238; p. 1106.
- Sewing-machine. C. E. Francis. No. 1,241,949; Oct. 2; v. 243; p. 153.
- Sewing-machine. W. C. Free. No. 1,245,212; Nov. 6; v. 244; p. 21.
- Sewing-machine. W. W. Gammons. No. 1,222,618; Apr. 17; v. 237; p. 639.
- Sewing-machine. C. F. Gray. No. 1,235,793; Aug. 7; v. 241; p. 86.
- Sewing-machine. J. W. Gurley. No. 1,229,256; June 12; v. 239; p. 346.
- Sewing-machine. J. Hayes. No. 1,216,687; Feb. 20; v. 235; p. 864.
- Sewing-machine. R. R. Hughes, Jr. No. 1,232,315; July 3; v. 240; p. 260.
- Sewing-machine. J. Kiewicz. No. 1,214,170; Jan. 30; v. 234; p. 1438.
- Sewing-machine. J. Kiewicz. No. 1,234,773; July 31; v. 240; p. 1194.
- Sewing-machine. J. G. Lewis. No. 1,243,745; Oct. 23; v. 243; p. 823.
- Sewing-machine. R. Loeb. No. 1,238,033; Aug. 21; v. 241; p. 873.
- Sewing-machine. R. L. Lyons. No. 1,238,794; Sept. 4; v. 242; p. 23.
- Sewing-machine. J. M. Merrow. No. 1,243,089; Oct. 16; v. 243; p. 592.
- Sewing-machine. J. M. Merrow. No. 1,244,115; Oct. 23; v. 243; p. 935.
- Sewing-machine. J. R. Moffatt and R. S. Kelso. No. 1,214,576; Feb. 6; v. 235; p. 32.
- Sewing-machine. G. E. Molyneux. No. 1,224,311; May 1; v. 238; p. 70.
- Sewing-machine. G. W. Nelson. No. 1,228,125; May 29; v. 238; p. 1526.
- Sewing-machine. L. Onderdonk. No. 1,240,085; Sept. 11; v. 242; p. 459.
- Sewing-machine. R. L. Plumley. No. 1,212,256; Jan. 16; v. 234; p. 711.
- Sewing-machine. P. Rasmussen and M. F. Goularte. No. 1,228,966; June 5; v. 239; p. 199.
- Sewing-machine. E. J. Ray. No. 1,246,320; Nov. 13; v. 244; p. 382.
- Sewing-machine. W. R. Rogers. No. 1,239,825; Sept. 11; v. 242; p. 382.
- Sewing-machine. A. Rontke. No. 1,236,765; Aug. 14; v. 241; p. 433.
- Sewing-machine. A. R. Schoenky. No. 1,210,545; Jan. 2; v. 234; p. 58.
- Sewing-machine. A. R. Schoenky. No. 1,215,415; Feb. 13; v. 235; p. 359.
- Sewing-machine. A. R. Schoenky. No. 1,229,328; June 12; v. 239; p. 370.
- Sewing-machine. T. H. Seely. No. 1,240,094; Sept. 11; v. 242; p. 462.
- Sewing-machine. D. S. Seymour. No. 1,211,493; Jan. 9; v. 234; p. 415.
- Sewing-machine. D. S. Seymour. No. 1,238,580; Aug. 28; v. 241; p. 1085.
- Sewing-machine. D. S. Seymour. No. 1,246,336; Nov. 13; v. 244; p. 387.
- Sewing-machine. C. J. Sibbald. No. 1,242,875; Oct. 9; v. 243; p. 488.
- Sewing-machine. V. B. Snead. No. 1,246,794; Nov. 13; v. 244; p. 524.
- Sewing-machine. V. B. Snead. No. 1,246,795; Nov. 13; v. 244; p. 524.
- Sewing-machine. C. A. Stritter. No. 1,212,841; Jan. 16; v. 234; p. 917.
- Sewing-machine. L. E. Topham. No. 1,250,389; Dec. 18; v. 245; p. 639.
- Sewing-machine. J. P. Weis. No. 1,221,254; Apr. 3; v. 237; p. 89.
- Sewing-machine. J. P. Weis. No. 1,222,339; Apr. 10; v. 237; p. 500.
- Sewing-machine. C. H. Wilkes. No. 1,233,428; July 17; v. 240; p. 692.
- Sewing-machine. F. E. Wilson. No. 1,245,297; Nov. 6; v. 244; p. 46.
- Sewing-machine. A. E. Yates. No. 1,248,236; Nov. 27; v. 244; p. 1006.
- Sewing-machine. F. Zaleski. No. 1,214,869; Feb. 6; v. 235; p. 134.
- Sewing-machine. F. Zaleski. No. 1,216,536; Feb. 20; v. 235; p. 813.
- Sewing-machine arm-rest. C. McNeill. No. 1,233,085; July 10; v. 240; p. 544.
- Sewing-machine attachment. I. N. Frazure. No. 1,225,236; May 8; v. 238; p. 441.
- Sewing-machine attachment. W. T. Halme. No. 1,244,201; Oct. 23; v. 243; p. 960.
- Sewing-machine attachment. J. Leask. No. 1,243,193; Oct. 16; v. 243; p. 622.
- Sewing-machine attachment. F. D. Sweet. No. 1,240,384; Sept. 18; v. 242; p. 593.
- Sewing-machine attachment. F. Thomas. No. 1,250,935; Dec. 18; v. 245; p. 803.
- Sewing-machine attachment. L. M. Tynes. No. 1,227,980; May 29; v. 238; p. 1479.
- Sewing-machine attachment. M. E. Tynes. No. 1,249,560; Dec. 11; v. 245; p. 357.
- Sewing-machine, Automatic. O. A. Wheeler. No. 1,218,500; Mar. 6; v. 236; p. 211.
- Sewing-machine binding attachment. F. T. Newport. No. 1,238,181; Aug. 28; v. 241; p. 955.
- Sewing-machine, Blindstitch. T. J. Hayes. No. 1,230,159; June 19; v. 239; p. 683.
- Sewing-machine, Blindstitch. F. A. Read. No. 1,222,671; Apr. 17; v. 237; p. 659.
- Sewing-machine bobbins, &c., Holder for. H. R. Hamilton. No. 1,225,952; May 15; v. 238; p. 727.
- Sewing machine, Book. E. B. Pierce. No. 1,219,997; Mar. 20; v. 236; p. 800.
- Sewing machine, Button. W. L. Barron and F. E. Osol. No. 1,240,921; Sept. 25; v. 242; p. 794.
- Sewing machine, Button. A. F. Fifield and W. L. Barron. No. 1,243,927; Oct. 23; v. 243; p. 880.
- Sewing machine, Button. D. Noble. No. 1,235,836; Aug. 7; v. 241; p. 100.
- Sewing machine, Button. W. A. Smith. No. 1,238,587; Aug. 28; v. 241; p. 1087.
- Sewing machine, Buttonhole. E. B. Allen. No. 1,234,252; July 24; v. 240; p. 995.

Alphabetical list of inventions—Continued.

- Sewing machine, Buttonhole. G. S. Hill. No. 1,216,316; Feb. 20; v. 235; p. 735.
- Sewing machine, Buttonhole. G. S. Hill. No. 1,231,890; July 3; v. 240; p. 119.
- Sewing machine, Buttonhole. G. S. Hill. No. 1,233,270; July 10; v. 240; p. 603.
- Sewing machine, Buttonhole. J. Kiewicz. No. 1,248,134; Nov. 27; v. 244; p. 977.
- Sewing machine, Buttonhole. G. W. Nelson. No. 1,247,139; Nov. 20; v. 244; p. 660.
- Sewing machine, Buttonhole. F. Zaleski. No. 1,214,108; Jan. 30; v. 234; p. 1418.
- Sewing-machine cabinet. T. Kundtz. No. 1,243,744; Oct. 23; v. 243; p. 823.
- Sewing-machine cabinet and lap-board. Combined. M. E. B. Williams. No. 1,222,503; Apr. 10; v. 237; p. 558.
- Sewing machine, Chain-stitch inseam shoe. L. E. Topham. No. 1,241,784; Oct. 2; v. 243; p. 100.
- Sewing machine, Chain-stitch inseam shoe. L. E. Topham. No. 1,241,785; Oct. 2; v. 243; p. 100.
- Sewing-machine cloth-presser. C. W. Thomas. No. 1,234,965; July 31; v. 240; p. 1255.
- Sewing-machine drip-pan. J. Needle. No. 1,237,680; Aug. 21; v. 241; p. 763.
- Sewing machine, Duplex filled-sack. D. S. Seymour. No. 1,237,710; Aug. 21; v. 241; p. 772.
- Sewing-machine edge-guide attachment. A. W. Dudley. No. 1,223,860; Apr. 24; v. 237; p. 1103.
- Sewing machine, Embroidery. L. Schwarzmann. No. 1,234,398; July 24; v. 240; p. 1042.
- Sewing machine, Eyelet. G. S. Hill. No. 1,225,247; May 8; v. 238; p. 444.
- Sewing-machine feed device. W. Cronenberg. No. 1,221,692; Apr. 3; v. 237; p. 239.
- Sewing-machine feed mechanism. W. C. Free. No. 1,237,322; Aug. 21; v. 241; p. 647.
- Sewing-machine feed mechanism. J. P. Weis. No. 1,242,403; Oct. 9; v. 243; p. 337.
- Sewing-machine feeding device. I. C. Rowley. No. 1,220,007; Mar. 20; v. 236; p. 803.
- Sewing-machine feeding mechanism. E. T. Allan. No. 1,211,808; Jan. 9; v. 234; p. 525.
- Sewing-machine-feeding mechanism. J. Berger, Jr. No. 1,228,393; June 5; v. 239; p. 6.
- Sewing-machine feeding mechanism. J. E. Chalman. No. 1,220,726; Mar. 27; v. 236; p. 1092.
- Sewing-machine feeding mechanism. H. Corral. No. 1,231,133; June 26; v. 239; p. 1049.
- Sewing-machine feeding mechanism. A. H. De Voe. No. 1,223,570; Apr. 24; v. 237; p. 1000.
- Sewing-machine feeding mechanism. A. H. De Voe. No. 1,244,479; Oct. 30; v. 243; p. 1083.
- Sewing-machine feeding mechanism. A. H. De Voe. No. 1,250,437; Dec. 18; v. 245; p. 655.
- Sewing-machine feeding mechanism. A. Grieb. No. 1,243,160; Oct. 16; v. 243; p. 610.
- Sewing-machine feeding mechanism. A. F. McCollum. No. 1,238,541; Aug. 28; v. 241; p. 1074.
- Sewing-machine feeding mechanism. J. R. Moffatt. No. 1,217,328; Feb. 27; v. 235; p. 1126.
- Sewing-machine feeding mechanism. L. Onderdonk. No. 1,214,063; Jan. 30; v. 234; p. 1404.
- Sewing-machine feeding mechanism. J. C. Ringe. No. 1,232,091; July 3; v. 240; p. 188.
- Sewing-machine feeding mechanism. A. Rontke. No. 1,238,197; Aug. 28; v. 241; p. 960.
- Sewing-machine feeding mechanism. J. P. Weis. No. 1,231,824; July 3; v. 240; p. 98.
- Sewing-machine feeding mechanism. R. G. Woodward. No. 1,211,804; Jan. 9; v. 234; p. 523.
- Sewing-machine felling device. B. M. Krell and M. Zuckerman. No. 1,241,739; Oct. 2; v. 243; p. 87.
- Sewing machine, Filled-bag. D. S. Seymour. No. 1,235,846; Aug. 7; v. 241; p. 103.
- Sewing machine, Filled-bag. D. S. Seymour. No. 1,240,095; Sept. 11; v. 242; p. 463.
- Sewing-machine folder. J. Berger, Jr. No. 1,225,919; May 15; v. 238; p. 715.
- Sewing-machine folder. J. R. Moffatt. No. 1,219,838; Mar. 20; v. 236; p. 745.
- Sewing-machine folder. G. E. Molyneux and G. S. Gatchell. No. 1,212,539; Jan. 16; v. 234; p. 810.
- Sewing-machine folder. H. Rubin. No. 1,230,036; June 12; v. 239; p. 604.
- Sewing-machine folding and guiding attachment. J. E. Chalman. No. 1,214,133; Jan. 30; v. 234; p. 1426.
- Sewing-machine folding device. J. E. Chalman. No. 1,222,069; Apr. 10; v. 237; p. 403.
- Sewing-machine folding drop-pocket. L. E. Christie. No. 1,216,945; Feb. 20; v. 235; p. 951.
- Sewing-machine folding mechanism. J. R. Moffatt and R. S. Kelso. No. 1,246,301; Nov. 13; v. 244; p. 376.
- Sewing-machine foot. L. Page. No. 1,211,340; Jan. 2; v. 234; p. 330.
- Sewing-machine for sewing overall-straps. F. E. Wiggins. No. 1,242,405; Oct. 9; v. 243; p. 338.
- Sewing-machine guide. S. W. Avis. No. 1,245,306; Nov. 6; v. 244; p. 49.
- Sewing-machine guide. W. L. Barron and F. E. Osol. No. 1,246,030; Nov. 6; v. 244; p. 264.
- Sewing-machine guide. G. S. Gatchell. No. 1,248,841; Dec. 4; v. 245; p. 123.
- Sewing-machine guide. G. E. Molyneux. No. 1,225,156; May 8; v. 238; p. 414.
- Sewing machine, Harness. J. Loisselle. No. 1,232,344; July 3; v. 240; p. 269.
- Sewing-machine hemming attachment. D. J. Ensign. No. 1,216,298; Feb. 20; v. 235; p. 729.
- Sewing-machine hemming attachments. Apparatus for use with. E. J. Rosenau. No. 1,249,508; Dec. 11; v. 245; p. 343.
- Sewing-machine holding and guiding attachment. C. Weiss. No. 1,220,303; Mar. 27; v. 236; p. 946.
- Sewing-machine, Lock-stitch. W. Wilson. No. 1,216,035; Feb. 13; v. 235; p. 584.
- Sewing-machine loop-retainer. H. J. Dahl. No. 1,227,891; May 29; v. 238; p. 1447.
- Sewing-machine loop-retainer. R. B. Thompson. No. 1,244,921; Oct. 30; v. 243; p. 1218.
- Sewing-machine loop-sewing attachment. W. Wilson. No. 1,241,182; Sept. 25; v. 242; p. 873.
- Sewing-machine loop-taker-actuating mechanism. J. S. Finch. No. 1,232,263; July 3; v. 240; p. 243.
- Sewing-machine looper-gage. G. Busch. No. 1,237,746; Aug. 21; v. 241; p. 784.
- Sewing-machine looper mechanism. A. H. De Voe. No. 1,243,145; Oct. 16; v. 243; p. 606.
- Sewing-machine looper mechanism. E. Erickson. No. 1,243,147; Oct. 16; v. 243; p. 607.
- Sewing-machine looper mechanism. J. R. Moffatt. No. 1,217,980; Mar. 6; v. 236; p. 32.
- Sewing-machine looper mechanism. J. R. Moffatt. No. 1,248,371; Nov. 27; v. 244; p. 1044.
- Sewing-machine looper mechanism. D. S. Seymour. No. 1,213,424; Jan. 23; v. 234; p. 1154.
- Sewing-machine looper mechanism. J. P. Weis. No. 1,224,253; Apr. 3; v. 237; p. 89.
- Sewing-machine looper mechanism. J. P. and A. H. Weis. No. 1,230,355; June 19; v. 239; p. 749.
- Sewing-machine lubricating means. J. M. Merrow. No. 1,217,976; Mar. 6; v. 236; p. 31.
- Sewing-machine mechanism. J. M. Chadwick. No. 1,221,138; Apr. 3; v. 237; p. 48.
- Sewing-machine motor. W. G. Shelton. No. 1,247,732; Nov. 27; v. 244; p. 864.
- Sewing-machine motors. Control mechanism for. H. E. Sellers. No. 1,224,508; May 1; v. 238; p. 140.
- Sewing-machine needle. J. R. Moffatt. No. 1,235,587; Aug. 7; v. 241; p. 19.
- Sewing-machine-needle cap-plate. J. T. Bottomlee. No. 1,243,249; Oct. 16; v. 243; p. 638.
- Sewing-machine needle-guard. P. L. Biondo. No. 1,220,816; Mar. 27; v. 236; p. 1125.
- Sewing-machine needle-guard. L. B. Ketcham. No. 1,212,778; Jan. 16; v. 234; p. 897.
- Sewing-machine needle-guard. N. Lederer. No. 1,217,785; Feb. 27; v. 235; p. 1288.
- Sewing-machine needle-guide-operating mechanism. S. A. Dobyne. No. 1,233,992; July 17; v. 240; p. 875.
- Sewing-machine needle-plate. G. Schroder. No. 1,232,722; July 10; v. 240; p. 426.
- Sewing-machine needle-thread-controlling device. J. S. Finch. No. 1,234,322; July 24; v. 240; p. 1017.
- Sewing-machine needle-threader. F. Kline. No. 1,235,532; July 31; v. 240; p. 1426.
- Sewing-machine needle-threading attachment. M. O. Smith and W. E. Frost. No. 1,220,019; Mar. 20; v. 236; p. 807.
- Sewing-machine needle-threading attachment. P. H. Werner. No. 1,246,199; Nov. 13; v. 244; p. 346.
- Sewing-machine, Ornamental-stitch. J. R. Moffatt. No. 1,223,719; Apr. 24; v. 237; p. 1053.
- Sewing-machine, Ornamental-stitch. W. Myers. No. 1,239,715; Sept. 11; v. 242; p. 347.
- Sewing-machine, Overseaming. A. Grieb. No. 1,243,159; Oct. 16; v. 243; p. 610.
- Sewing-machine presser control. J. J. Goellner. No. 1,212,761; Jan. 16; v. 234; p. 892.
- Sewing-machine presser-foot. N. D. Clark. No. 1,247,081; Nov. 20; v. 244; p. 643.
- Sewing-machine presser-foot. J. E. Chalman. No. 1,243,849; Oct. 23; v. 243; p. 844.
- Sewing-machine presser-foot. A. H. De Voe. No. 1,251,352; Dec. 25; v. 245; p. 975.
- Sewing-machine presser-foot. H. P. Schoenky. No. 1,242,608; Oct. 9; v. 243; p. 404.
- Sewing-machine presser-foot, Automatic. J. Dunner. No. 1,211,112; Jan. 2; v. 234; p. 252.
- Sewing-machine presser-foot-lifting mechanism. P. A. Herr. No. 1,241,733; Oct. 2; v. 243; p. 86.
- Sewing-machine presser-foot mechanism. A. H. De Voe. No. 1,248,827; Dec. 4; v. 245; p. 119.
- Sewing-machine presser-foot mechanism. G. A. and S. A. Dobyne. No. 1,237,245; Aug. 14; v. 241; p. 584.
- Sewing-machine presser-foot mechanism. E. Erickson. No. 1,244,041; Oct. 23; v. 243; p. 914.
- Sewing-machine presser-foot mechanism. F. N. La Chapelle. No. 1,234,913; July 31; v. 240; p. 1238.
- Sewing-machine presser-foot, Shoe. J. A. Kelly. No. 1,216,324; Feb. 20; v. 235; p. 738.
- Sewing-machine, Rotary-hook. M. Hemleb. No. 1,226,973; May 22; v. 238; p. 1111.
- Sewing-machine ruffler. J. D. Karle. No. 1,231,170; June 26; v. 239; p. 1061.

- Sewing-machine ruffler. C. Stafford. No. 1,223,632; Apr. 24; v. 237; p. 1023.
- Sewing-machine ruffling mechanism. A. H. De Voe. No. 1,240,956; Sept. 25; v. 242; p. 803.
- Sewing-machine ruffling mechanism. A. H. De Voe. No. 1,241,719; Oct. 2; v. 243; p. 80.
- Sewing-machine ruffling mechanism. W. C. Robbins. No. 1,242,476; Oct. 9; v. 243; p. 360.
- Sewing-machine seam-trimming mechanism. E. B. Allen. No. 1,234,996; July 31; v. 240; p. 1264.
- Sewing machine, Shoe. F. Chateauf. No. 1,240,941; Sept. 25; v. 242; p. 799.
- Sewing machine, Shoe. A. Eppler. No. 1,231,868; July 3; v. 240; p. 112.
- Sewing-machine, Shoemaker's. O. Ensanian. No. 1,218,637; Mar. 13; v. 236; p. 296.
- Sewing-machine shuttle. P. Sjostrom. No. 1,218,220; Mar. 6; v. 236; p. 116.
- Sewing-machine shuttle-driving mechanism. P. Sjostrom. No. 1,224,226; May 1; v. 238; p. 39.
- Sewing machine, Sole. J. R. Scott. No. 1,233,513; July 17; v. 240; p. 720.
- Sewing-machine, Special-work. A. Rosenthal. No. 1,223,617; Apr. 24; v. 237; p. 1017.
- Sewing-machine speed controlling and arresting mechanism. G. E. Molyneux. No. 1,236,739; Aug. 14; v. 241; p. 424.
- Sewing-machine spool-holder. G. S. Hill. No. 1,219,638; Mar. 20; v. 236; p. 675.
- Sewing-machine spool-holder. G. W. Weiss. No. 1,228,623; June 5; v. 239; p. 85.
- Sewing-machine stitch-measurer. P. Sjostrom. No. 1,219,597; Mar. 20; v. 236; p. 661.
- Sewing-machine stop-motion device. W. L. Barron and F. E. Osol. No. 1,244,458; Oct. 30; v. 243; p. 1076.
- Sewing-machine table. B. Cary. No. 1,227,384; May 22; v. 238; p. 1246.
- Sewing-machine take-up-actuating mechanism. P. Sjostrom. No. 1,224,423; May 1; v. 238; p. 112.
- Sewing-machine tensioning device. P. Rasmussen and M. F. Goularte. No. 1,247,327; Nov. 20; v. 244; p. 713.
- Sewing-machine thread-controlling device. C. H. T. Hagelstein. No. 1,239,907; Sept. 11; v. 242; p. 409.
- Sewing-machine thread-controlling mechanism. W. P. Drumheller. No. 1,234,094; July 17; v. 240; p. 906.
- Sewing-machine thread-controlling mechanism. G. W. Nelson. No. 1,240,868; Sept. 25; v. 242; p. 776.
- Sewing-machine thread-cutter. D. S. Seymour. No. 1,227,843; May 29; v. 238; p. 1431.
- Sewing-machine thread cutter and clamp. F. Zaleski. No. 1,216,537; Feb. 20; v. 235; p. 813.
- Sewing-machine thread cutting and holding device. W. L. Barron. No. 1,234,258; July 24; v. 240; p. 996.
- Sewing-machine thread-cutting mechanism. W. L. Barron. No. 1,228,871; June 5; v. 239; p. 170.
- Sewing-machine thread locking and releasing device. J. D. Randall. No. 1,237,555; Aug. 21; v. 241; p. 722.
- Sewing-machine thread-measuring device. O. L. Lawson and J. H. Reed. No. 1,245,935; Nov. 6; v. 244; p. 239.
- Sewing-machine threading attachment. T. J. Bowyer. No. 1,239,765; Sept. 11; v. 242; p. 361.
- Sewing-machine threading attachment. J. H. Smith. No. 1,216,866; Feb. 20; v. 235; p. 925.
- Sewing-machine trimmer. D. S. Seymour. No. 1,234,497; July 24; v. 240; p. 1074.
- Sewing-machine trimming mechanism. J. R. Moffatt. No. 1,223,718; Apr. 24; v. 237; p. 1053.
- Sewing-machine trimming mechanism. J. R. Moffatt. No. 1,230,753; June 19; v. 239; p. 880.
- Sewing-machine trimming mechanism. J. R. Moffatt. No. 1,232,365; July 3; v. 240; p. 276.
- Sewing-machine trimming mechanism. J. R. Moffatt. No. 1,240,753; Sept. 18; v. 242; p. 706.
- Sewing-machine trimming mechanism. L. Onderdonk. No. 1,225,165; May 8; v. 238; p. 417.
- Sewing-machine trimming mechanism. J. P. Weis. No. 1,221,252; Apr. 3; v. 237; p. 88.
- Sewing-machine tuck-forming mechanism. J. E. Chalmers. No. 1,227,116; May 22; v. 238; p. 1159.
- Sewing-machine, Wax-thread. B. S. Lee and F. Ashworth. No. 1,249,428; Dec. 11; v. 245; p. 319.
- Sewing-machine, Wax-thread. H. P. Schoenky. No. 1,242,606; Oct. 9; v. 243; p. 403.
- Sewing-machine, Wax-thread. T. H. Seely. No. 1,216,736; Feb. 20; v. 235; p. 881.
- Sewing-machine, Welt-shoe. A. F. Littlefield. No. 1,243,195; Oct. 16; v. 243; p. 623.
- Sewing-machine welt-wetting device. C. T. Farrell. No. 1,219,633; Mar. 20; v. 236; p. 674.
- Sewing-machine work-clamp. A. R. Wood. No. 1,228,863; June 5; v. 239; p. 167.
- Sewing-machine work-handling mechanism. J. Whitelaw. No. 1,239,239; Sept. 4; v. 242; p. 167.
- Sewing-machine, Zigzag-embroidery. M. Sandt. No. 1,220,994; Mar. 27; v. 236; p. 1182.
- Sewing-machines and the like, Transmission for. A. Krasa. No. 1,224,473; May 1; v. 238; p. 130.
- Sewing-machines, Article-presenting means for. A. H. De Voe. No. 1,239,676; Sept. 11; v. 242; p. 333.
- Sewing machines, Attachment for fur-. E. J. Keahn. No. 1,224,174; May 1; v. 238; p. 21.
- Sewing machines, Back-gage for shoe. B. S. La Fleur. No. 1,240,985; Sept. 25; v. 242; p. 812.
- Sewing-machines, Channel-guide mechanism for. A. B. Fowler. No. 1,226,070; May 15; v. 238; p. 768.
- Sewing-machines, Combined top-feed and ruffling mechanism for. J. P. Weis. No. 1,242,402; Oct. 9; v. 243; p. 337.
- Sewing-machines, Edge-folding and tape-guiding device for. H. F. Bubier. No. 1,226,461; May 15; v. 238; p. 899.
- Sewing-machines, Fabric-drawing device for. A. H. De Voe. No. 1,251,353; Dec. 25; v. 245; p. 975.
- Sewing-machines, Folder for. J. R. Moffatt. No. 1,237,801; Aug. 21; v. 241; p. 800.
- Sewing-machines, Lamp attachment for. W. W. and C. G. McClay. No. 1,243,316; Oct. 16; v. 243; p. 659.
- Sewing-machines, Light attachment for. H. B. Allyn and A. T. Bertolini. No. 1,232,166; July 3; v. 240; p. 212.
- Sewing-machines, Needle and pin cushion attachment for. C. S. Davis. No. 1,231,503; June 26; v. 239; p. 1170.
- Sewing-machines, Plait-folder for. A. H. De Voe. No. 1,236,684; Aug. 14; v. 241; p. 405.
- Sewing-machines, Punching, feeding, and channeling mechanism for. H. P. Schoenky. No. 1,242,607; Oct. 9; v. 243; p. 404.
- Sewing-machines, Renewable throat-plate for. A. H. Weis. No. 1,230,354; June 19; v. 239; p. 749.
- Sewing-machines, Revolving-hook construction for. R. S. Kelso. No. 1,235,323; July 31; v. 240; p. 1363.
- Sewing-machines, Slack-thread-take-up mechanism for blindstitch. T. J. Hayes. No. 1,245,338; Nov. 6; v. 244; p. 59.
- Sewing-machines, Stop-motion mechanism for. H. Corral and J. M. Forbes. No. 1,248,811; Dec. 4; v. 245; p. 114.
- Sewing-machines, Strip-feeding method for. J. P. Weis. No. 1,231,542; June 26; v. 239; p. 1182.
- Sewing machines, Thread-cutting device for buttonhole. R. Mundlos. No. 1,218,107; Mar. 6; v. 236; p. 77.
- Sewing-machines, Threading device for hook-needles in. M. T. Denne. No. 1,225,783; May 15; v. 238; p. 670.
- Sewing-machines, &c., Transmission for power table. G. E. Molyneux. No. 1,230,919; June 26; v. 239; p. 974.
- Sewing-machines, type-writers, &c., Cabinet for. G. Klimo. No. 1,229,620; June 12; v. 239; p. 470.
- Sewing machines, Welt-guide for boot and shoe. M. T. Denne. No. 1,238,392; Aug. 28; v. 241; p. 1024.
- Sewing machines, Work-holder for buttonhole. E. B. Allen. No. 1,240,642; Sept. 18; v. 242; p. 672.
- Sewing plaited soles, Machine for. J. Power y Zabala. No. 1,247,002; Nov. 20; v. 244; p. 621.
- Sewing seams with gaps, Machine for. L. Rosenman. No. 1,238,438; Aug. 28; v. 241; p. 1039.
- Sewing-table. M. P. and J. B. Zimmerman. No. 1,249,706; Dec. 11; v. 245; p. 400.
- Shackle or connecting-link. H. E. Rottmer. No. 1,222,997; Apr. 17; v. 237; p. 770.
- Shackle, Spring-. R. L. Rand. No. 1,245,025; Oct. 30; v. 243; p. 1249.
- Shade. W. J. Mayo. No. 1,214,344; Jan. 30; v. 234; p. 1500.
- Shade-adjuster. C. M. Eveleth. No. 1,249,936; Dec. 11; v. 245; p. 468.
- Shade adjuster, Window-. J. J. South. No. 1,250,043; Dec. 11; v. 245; p. 497.
- Shade and curtain bracket. E. H. Jenkins. No. 1,216,128; Feb. 13; v. 235; p. 619.
- Shade and curtain bracket, Window. G. S. Gessner. No. 1,250,846; Dec. 18; v. 245; p. 776.
- Shade and curtain fixture. A. J. Dinkel and H. C. Hartman. No. 1,239,364; Sept. 4; v. 242; p. 206.
- Shade and curtain fixture. A. Kovacs. No. 1,218,280; Mar. 6; v. 236; p. 138.
- Shade and curtain fixture. W. H. Lamberson. No. 1,211,719; Jan. 9; v. 234; p. 491.
- Shade and curtain fixture, Adjustable. A. C. Clugston. No. 1,231,496; June 26; v. 239; p. 1168.
- Shade and curtain hanger. J. Grimm. No. 1,242,345; Oct. 9; v. 243; p. 318.
- Shade and curtain hanger. J. Mattern. No. 1,236,332; Aug. 7; v. 241; p. 256.
- Shade and curtain hanger. L. B. Reeds. No. 1,219,774; Mar. 20; v. 236; p. 722.
- Shade and curtain hanger, Nailless combination window. F. E. Mors. No. 1,216,592; Feb. 20; v. 235; p. 834.
- Shade and curtain support. H. C. Becker. No. 1,235,001; July 31; v. 240; p. 1266.
- Shade and curtain support, Adjustable window. C. S. and W. Tibbetts. No. 1,239,845; Sept. 11; v. 242; p. 388.
- Shade and curtain support, Quickly-mountable. C. Walkush. No. 1,226,422; May 15; v. 238; p. 888.
- Shade and curtain support, Window. M. J. Brunner. No. 1,216,277; Feb. 20; v. 235; p. 721.
- Shade and drapery fixture. J. O. Crawford. No. 1,211,094; Jan. 2; v. 234; p. 246.
- Shade and drapery fixture, Combination. C. L. Fitchet. No. 1,244,305; Oct. 23; v. 243; p. 993.
- Shade and fixture therefor. E. B. Smith. No. 1,212,270; Jan. 16; v. 234; p. 717.
- Shade and making the same. A. C. Hough. No. 1,233,781; July 17; v. 240; p. 806.
- Shade and roller connector, Curtain-. D. E. Kerr. No. 1,215,032; Feb. 6; v. 235; p. 194.

Alphabetical list of inventions—Continued.

- Shade attachment. H. D'Olier, Jr. No. 1,210,613; Jan. 2; v. 234; p. 81.
- Shade attachment, Window-. S. W. Hales. No. 1,217,443; Feb. 27; v. 235; p. 1169.
- Shade-bracket. J. H. Knapp. No. 1,233,248; July 10; v. 240; p. 596.
- Shade-bracket. O. H. Meyers. No. 1,234,064; July 17; v. 240; p. 896.
- Shade bracket, Adjustable window-. M. Maes, Jr. No. 1,212,080; Jan. 9; v. 234; p. 618.
- Shade bracket and curtain-pole support, Window-. C. K. Löken. No. 1,236,724; Aug. 14; v. 241; p. 419.
- Shade-bracket and curtain-support, Adjustable. M. T. Anderson. No. 1,228,514; June 5; v. 239; p. 48.
- Shade bracket, Window-. F. G. Bett. No. 1,219,621; Mar. 20; v. 236; p. 670.
- Shade bracket, Window-. R. R. Bridges. No. 1,217,695; Feb. 27; v. 235; p. 1259.
- Shade bracket, Window-. L. N. Chadis. No. 1,242,653; Oct. 9; v. 243; p. 418.
- Shade bracket, Window-. J. A. Cole. No. 1,236,269; Aug. 7; v. 241; p. 237.
- Shade bracket, Window-. G. S. Hoover. No. 1,218,774; Mar. 13; v. 236; p. 346.
- Shade bracket, Window-. J. Hwalek. No. 1,219,103; Mar. 13; v. 236; p. 460.
- Shade bracket, Window-. G. W. Johnson. No. 1,238,680; Aug. 28; v. 241; p. 1115.
- Shade bracket, Window-. C. M. Lange. No. 1,220,759; Mar. 27; v. 236; p. 1104.
- Shade bracket, Window-. H. W. Smith. No. 1,231,441; June 26; v. 239; p. 1151.
- Shade-fixture. A. H. Hover. No. 1,212,354; Jan. 16; v. 234; p. 746.
- Shade-fixture. F. J. Kotzich and T. M. Reimers. No. 1,237,656; Aug. 21; v. 241; p. 755.
- Shade fixture and curtain-pole bracket, Adjustable window-. E. Murray. No. 1,238,951; Sept. 4; v. 242; p. 68.
- Shade fixture and mounting, Window-. I. Knoch and A. R. Nelson. No. 1,236,577; Aug. 14; v. 241; p. 369.
- Shade fixture, Window-. J. K. Tomlinson. No. 1,213,301; Jan. 23; v. 234; p. 1111.
- Shade-guide. P. C. Pinches. No. 1,246,999; Nov. 20; v. 244; p. 620.
- Shade guide, Window-. W. M. Murray. No. 1,216,594; Feb. 20; v. 235; p. 834.
- Shade guide, Window-. A. Zorba. No. 1,217,261; Feb. 27; v. 235; p. 1104.
- Shade hanger, Window-. W. Kemble. No. 1,222,632; Apr. 17; v. 237; p. 645.
- Shade-holder. E. G. K. Anderson. No. 1,245,855; Nov. 6; v. 244; p. 216.
- Shade-holder. J. Beiswanger. No. 1,245,177; Nov. 6; v. 244; p. 10.
- Shade-holder. R. B. Benjamin. No. 1,247,493; Nov. 20; v. 244; p. 761.
- Shade-holder. R. S. Blything. No. 1,242,107; Oct. 2; v. 243; p. 202.
- Shade-holder. W. L. Collins. No. 1,225,700; May 8; v. 238; p. 598.
- Shade-holder. T. Euphrat. No. 1,222,749; Apr. 17; v. 237; p. 685.
- Shade-holder. H. Kienzle. No. 1,221,744; Apr. 3; v. 237; p. 257.
- Shade-holder. E. F. Mould. No. 1,210,673; Jan. 2; v. 234; p. 103.
- Shade-holder. A. P. Storrs. No. 1,213,293; Jan. 23; v. 234; p. 1107.
- Shade-holder. R. K. Witz. No. 1,234,993; July 31; v. 240; p. 1263.
- Shade-holder, Adjustable. R. E. Ewing. No. 1,235,020; July 31; v. 240; p. 1272.
- Shade-holder, Adjustable. A. E. Johnson and G. E. Franzen. No. 1,214,548; Feb. 6; v. 235; p. 23.
- Shade holder and adjuster, Window-. W. H. H. Marcum. No. 1,236,729; Aug. 14; v. 241; p. 420.
- Shade-holder, Double. A. A. Wohlaue. No. 1,235,951; Aug. 7; v. 241; p. 138.
- Shade-holder, Upright. L. W. Andersen. No. 1,235,632; Aug. 7; v. 241; p. 33.
- Shade holder, Window-. E. G. Harrison. No. 1,229,074; June 5; v. 239; p. 234.
- Shade-holding device. R. B. Benjamin. No. 1,238,485; Aug. 28; v. 241; p. 1055.
- Shade-operating device, Window-. E. T. Shelton. No. 1,228,069; May 29; v. 238; p. 1508.
- Shade-raiser. S. W. Johnston. No. 1,232,927; July 10; v. 240; p. 494.
- Shade, Roller-. W. B. Boyce. No. 1,249,012; Dec. 4; v. 245; p. 169.
- Shade-roller. C. M. Ferguson. No. 1,222,276; Apr. 10; v. 237; p. 478.
- Shade-roller. W. W. Helle. No. 1,238,014; Aug. 21; v. 241; p. 867.
- Shade-roller. C. W. Kirsch. No. 1,240,579; Sept. 18; v. 242; p. 652.
- Shade-roller. C. W. Kirsch. No. 1,242,949; Oct. 16; v. 243; p. 546.
- Shade-roller. C. W. Kirsch and J. A. Henry. No. 1,240,580; Sept. 18; v. 242; p. 653.
- Shade-roller. E. Kraemer and G. Schuler. No. 1,225,338; May 8; v. 238; p. 478.
- Shade-roller. J. W. Price. No. 1,247,452; Nov. 20; v. 244; p. 749.
- Shade-roller. R. W. Sherrill. No. 1,243,561; Oct. 16; v. 243; p. 730.
- Shade-roller. A. J. Souders. No. 1,230,611; June 19; v. 239; p. 835.
- Shade-roller, Adjustable. R. B. Crump. No. 1,238,642; Aug. 28; v. 241; p. 1104.
- Shade-roller, Adjustable. G. Schuler and E. Kraemer. No. 1,212,696; Jan. 16; v. 234; p. 869.
- Shade-roller, Adjustable. G. Schuler and E. Kraemer. No. 1,220,567; Mar. 27; v. 236; p. 1040.
- Shade-roller and curtain-pole bracket, Combined. E. A. Bartges. No. 1,232,479; July 10; v. 240; p. 348.
- Shade-roller bracket. W. B. Caswell. No. 1,242,521; Oct. 9; v. 243; p. 374.
- Shade-roller hanger, Window-. J. W. Willeford. No. 1,233,007; July 10; v. 240; p. 518.
- Shade-roller lock. W. C. Moors. No. 1,242,362; Oct. 9; v. 243; p. 323.
- Shade-roller lock device. E. J. Barrett. No. 1,236,393; Aug. 14; v. 241; p. 308.
- Shade-roller mounting. J. C. Lion. No. 1,215,671; Feb. 13; v. 235; p. 454.
- Shade-roller-pin-setting machine. W. H. Olmstead. No. 1,236,208; Aug. 7; v. 241; p. 219.
- Shade-roller support. J. A. Sharps. No. 1,223,837; Apr. 24; v. 237; p. 1095.
- Shade roller, Window-. E. Ament. No. 1,244,403; Oct. 23; v. 243; p. 1022.
- Shade roller, Window-. F. A. Dawson. (Reissue.) No. 14,375; Oct. 9; v. 243; p. 496.
- Shade roller, Window-. G. E. Scott. No. 1,222,474; Apr. 10; v. 237; p. 549.
- Shade spring-tightener and locking bracket, Window-. C. H. Wise. No. 1,227,724; May 29; v. 238; p. 1390.
- Shade strip, Window-. B. F. Blessing. No. 1,233,966; July 17; v. 240; p. 867.
- Shade-support. A. B. Smith. No. 1,249,222; Dec. 4; v. 245; p. 230.
- Shade-support, Adjustable. C. F. Smith. No. 1,251,122; Dec. 25; v. 245; p. 907.
- Shade-supporting device. R. B. Benjamin. No. 1,225,397; May 8; v. 238; p. 498.
- Shade trimmer and roller-cutter, Window-. E. H. Miller. No. 1,214,575; Feb. 6; v. 235; p. 32.
- Shade, Window-. L. H. Boch. No. 1,230,269; June 19; v. 239; p. 721.
- Shade, Window-. E. F. Waldner. No. 1,238,464; Aug. 28; v. 241; p. 1048.
- Shades, Attachment for window-. E. Winterer. No. 1,236,808; Aug. 14; v. 241; p. 447.
- Shades, curtains, draperies, and the like, Bracket and support for. E. H. Hamilton. No. 1,248,320; Nov. 27; v. 244; p. 1030.
- Shades, Mounting for roller-. E. M. Starn. No. 1,232,729; July 10; v. 240; p. 429.
- Shades on vegetable fibers and dyestuffs therefor, Production of fast. H. Levinstein and J. Baddiley. No. 1,232,056; July 3; v. 240; p. 176.
- Shaft-aligner. F. A. Bernier. No. 1,235,279; July 31; v. 240; p. 1349.
- Shaft-bearing. H. C. Masters. No. 1,219,978; Mar. 20; v. 236; p. 794.
- Shaft-bearing. F. S. North. No. 1,214,062; Jan. 30; v. 234; p. 1403.
- Shaft-bearing centralizer. E. J. Taylor. No. 1,246,181; Nov. 13; v. 244; p. 340.
- Shaft-bearing lubricator. A. P. Wight. No. 1,228,861; June 5; v. 239; p. 166.
- Shaft-bearings and the like, Tool for aligning and finishing. A. A. Martell. (Reissue.) No. 14,311; June 5; v. 239; p. 253.
- Shaft-coupling. H. P. Arndt. No. 1,230,646; June 19; v. 239; p. 846.
- Shaft-coupling. B. F. Augustine. No. 1,242,906; Oct. 16; v. 243; p. 532.
- Shaft-coupling. T. I. Deck. No. 1,226,475; May 15; v. 238; p. 904.
- Shaft-coupling. E. Fuchs. No. 1,235,129; July 31; v. 240; p. 1304.
- Shaft-coupling. E. Fuchs. No. 1,235,130; July 31; v. 240; p. 1304.
- Shaft-coupling. E. Fuchs. No. 1,235,196; July 31; v. 240; p. 1324.
- Shaft-coupling. T. S. Grimes. No. 1,227,482; May 22; v. 238; p. 1260.
- Shaft-coupling. G. C. Hicks, Jr. No. 1,219,943; Mar. 20; v. 236; p. 782.
- Shaft-coupling. E. C. Lewis. No. 1,217,465; Feb. 27; v. 235; p. 1176.
- Shaft-coupling. F. L. Morse. No. 1,244,533; Oct. 30; v. 243; p. 1099.
- Shaft-coupling. W. Niedergesaess. No. 1,210,969; Jan. 2; v. 234; p. 204.
- Shaft-coupling. T. J. Smulski. No. 1,245,813; Nov. 6; v. 244; p. 204.
- Shaft-coupling. G. A. Swartz. No. 1,225,524; May 8; v. 238; p. 539.
- Shaft-coupling, Flexible. K. Alquist. No. 1,233,954; July 17; v. 240; p. 863.
- Shaft-coupling, Flexible. G. R. Baldwin. No. 1,220,310; Mar. 27; v. 236; p. 950.

- Shaft-coupling, Flexible. K. C. Gardner. No. 1,231,249; June 26; v. 239; p. 1087.
- Shaft-coupling, Flexible. E. H. Ludeman. No. 1,246,445; Nov. 13; v. 244; p. 420.
- Shaft-coupling for reels. R. E. McIntire. No. 1,211,865; Jan. 9; v. 234; p. 546.
- Shaft-driving mechanism. L. Onderdonk. No. 1,227,188; May 22; v. 238; p. 1183.
- Shaft, Flexible. S. W. Ekroos. No. 1,244,186; Oct. 23; v. 243; p. 956.
- Shaft, Flexible. S. Heath. No. 1,245,229; Nov. 6; v. 244; p. 27.
- Shaft, Flexible. C. F. Hotchkiss. No. 1,228,439; June 5; v. 239; p. 22.
- Shaft, Flexible drive-. J. O. Hobbs. No. 1,232,922; July 10; v. 240; p. 492.
- Shaft-hanger. F. E. Bright. No. 1,239,874; Sept. 11; v. 242; p. 398.
- Shaft-hanger. H. P. Gale. No. 1,212,474; Jan. 16; v. 234; p. 787.
- Shaft-hanger, Adjustable. C. Sherwood. No. 1,221,233; Apr. 3; v. 237; p. 82.
- Shaft housing, Cam-. W. L. Corson. No. 1,234,292; July 24; v. 240; p. 1007.
- Shaft-lubricating means, Steering-gear-rocker-. D. E. Ross. No. 1,233,127; July 10; v. 240; p. 558.
- Shaft mechanism, Drop-brake-. G. C. Elliott and J. W. Steinmeyer. No. 1,244,717; Oct. 30; p. 1156.
- Shaft mechanism, Drop-brake-. M. J. Neumayer. No. 1,244,764; Oct. 30; v. 243; p. 1170.
- Shaft-operating mechanism. H. Josephson. No. 1,227,796; May 29; v. 238; p. 1414.
- Shaft-operating mechanism. H. Josephson. No. 1,234,344; July 24; v. 240; p. 1024.
- Shaft-rotating means. W. H. Yost. No. 1,239,551; Sept. 11; v. 242; p. 293.
- Shaft structure. M. A. Ross. No. 1,251,108; Dec. 25; v. 245; p. 902.
- Shaft structure. M. A. Ross. No. 1,251,110; Dec. 25; v. 245; p. 903.
- Shafts, Automatic adjuster for eccentric. G. D. May. No. 1,223,997; Apr. 24; v. 237; p. 1148.
- Shafts, Device for removing pulleys, wheels, &c., from. H. B. Beachler. No. 1,247,489; Nov. 20; v. 244; p. 759.
- Shafts, Device for restricting axial movements of. F. and B. Ljungström. No. 1,224,882; May 1; v. 238; p. 271.
- Shafts, Grease-arrester for. C. H. Priest. No. 1,240,602; Sept. 18; v. 242; p. 660.
- Shafts, Mechanism for simultaneously operating two rock-. J. V. Henley. No. 1,213,639; Jan. 23; v. 234; p. 1228.
- Shafts, Self-lubricating bearing for. W. H. Lindsay. No. 1,216,821; Feb. 20; v. 235; p. 911.
- Shafting-cleaning device. A. H. Townley. No. 1,230,629; June 19; v. 239; p. 841.
- Shafting, Flexible. R. Abell. No. 1,224,886; May 8; v. 238; p. 323.
- Shaker. C. D. Gilmore. No. 1,250,848; Dec. 18; v. 245; p. 777.
- Shaker-screen. W. Brasack. No. 1,214,506; Feb. 6; v. 235; p. 7.
- Shaker-screen, Vibrating. L. C. Dibert. No. 1,234,299; July 24; v. 240; p. 1009.
- Shaking-screen. C. V. Wright. No. 1,228,277; May 29; v. 238; p. 1573.
- Shampoo-board. L. D. Day. No. 1,223,263; Apr. 17; v. 237; p. 859.
- Shampoo pan or tray. P. Fina. No. 1,243,397; Oct. 16; v. 243; p. 681.
- Shampooing attachment. R. L. Dozier and E. C. Herron. No. 1,244,715; Oct. 30; v. 243; p. 1156.
- Shampooing-stand. S. M. McCandless and F. G. McPherson. No. 1,228,122; May 29; v. 238; p. 1525.
- Shampooing-stand. E. F. Nutter. No. 1,244,535; Oct. 30; v. 243; p. 1100.
- Shank. H. F. Crawford. No. 1,245,877; Nov. 6; v. 244; p. 222.
- Shank-stiffener. J. E. Peckham. No. 1,240,249; Sept. 18; v. 242; p. 551.
- Shapers, Head for draw-cut. H. E. Morton. No. 1,218,951; Mar. 13; v. 236; p. 408.
- Shapers, Operating mechanism for. F. W. A. Herrmann and A. E. Robinson. No. 1,223,339; Apr. 17; v. 237; p. 885.
- Shaping and milling machinery, Combined. R. B. Dow. No. 1,221,844; Apr. 10; v. 237; p. 326.
- Sharpener, Blade-. B. J. Nasief. No. 1,217,981; Mar. 6; v. 236; p. 32.
- Sharpener, Disk-plow. M. W. Browning. No. 1,238,252; Aug. 28; v. 241; p. 979.
- Sharpener, Drill-. S. Horvath. No. 1,231,258; June 26; v. 239; p. 1090.
- Sharpener, Drill-. E. L. Oldham. No. 1,211,483; Jan. 9; v. 234; p. 412.
- Sharpener, Drill-. E. L. Oldham. No. 1,219,477; Mar. 20; v. 236; p. 618.
- Sharpener, Drill-. E. L. Oldham. No. 1,219,478; Mar. 20; v. 236; p. 619.
- Sharpener, Drill-. W. A. Smith. No. 1,233,723; July 17; v. 240; p. 788.
- Sharpener, Drill-. W. A. Smith. No. 1,251,434; Dec. 25; v. 245; p. 998.
- Sharpener, Edge-tool. W. E. Winter. No. 1,216,387; Feb. 20; v. 235; p. 761.
- Sharpener for razor-blades. H. B. Young. No. 1,221,263; Apr. 3; v. 237; p. 92.
- Sharpener, Gin-saw. J. Rice. No. 1,248,715; Dec. 4; v. 245; p. 85.
- Sharpener, Graver-. H. A. Lange. No. 1,239,494; Sept. 11; v. 242; p. 275.
- Sharpener, Knife-. E. B. Anderson. No. 1,223,753; Apr. 24; v. 237; p. 1066.
- Sharpener, Knife-. E. C. Tobin. No. 1,215,591; Feb. 13; v. 235; p. 425.
- Sharpener, Knife and scissors. R. M. Sparks. No. 1,234,945; July 31; v. 240; p. 1248.
- Sharpener, Lawn-mower. A. Archambeault. No. 1,238,620; Aug. 28; v. 241; p. 1097.
- Sharpener, Lawn-mower. J. J. Chesbro. No. 1,247,505; Nov. 20; v. 244; p. 764.
- Sharpener, Lawn-mower. H. F. W. Kohlback. No. 1,226,675; May 22; v. 238; p. 1007.
- Sharpener, Lawn-mower. E. F. Lynch. No. 1,242,011; Oct. 2; v. 243; p. 173.
- Sharpener, Lawn-mower. J. E. Medley. No. 1,240,469; Sept. 18; v. 242; p. 620.
- Sharpener, Lawn-mower. C. A. Oman. No. 1,211,338; Jan. 2; v. 234; p. 330.
- Sharpener, Mower-knife. T. J. Alliston. No. 1,248,241; Nov. 27; v. 244; p. 1007.
- Sharpener, Mower-knife. W. T. Butcher. No. 1,228,403; June 5; v. 239; p. 10.
- Sharpener, Needle-. F. W. Bocking. No. 1,250,085; Dec. 11; v. 245; p. 510.
- Sharpener, Razor-blade. R. W. Banks, Jr. No. 1,245,857; Nov. 6; v. 244; p. 217.
- Sharpener, Razor-blade. F. Bushey. No. 1,219,914; Mar. 20; v. 236; p. 771.
- Sharpener, Razor-blade. J. M. Welch. No. 1,215,893; Feb. 13; v. 235; p. 532.
- Sharpener, Safety-razor-blade. P. D. Hauser. No. 1,224,924; May 8; v. 238; p. 337.
- Sharpener, Saw-. J. K. Hoddinott. No. 1,250,880; Dec. 18; v. 245; p. 786.
- Sharpening apparatus, Drill-. W. A. Smith. No. 1,214,604; Feb. 6; v. 235; p. 43.
- Sharpening attachment for mowing-machines. C. H. Farnsworth. No. 1,227,410; May 22; v. 238; p. 1254.
- Sharpening device. R. Candeliez. No. 1,240,540; Sept. 18; v. 242; p. 642.
- Sharpening device. J. F. Joy. No. 1,246,750; Nov. 13; v. 244; p. 510.
- Sharpening device. D. Lonquet. No. 1,218,878; Mar. 13; v. 236; p. 385.
- Sharpening device. H. C. Strack. No. 1,229,668; June 12; v. 239; p. 485.
- Sharpening device, Chalk-. M. J. Ross. No. 1,248,015; Nov. 27; v. 244; p. 944.
- Sharpening device, Cutter-. H. R. Hamilton. No. 1,244,493; Oct. 30; v. 243; p. 1088.
- Sharpening device, Grinding-wheel-. J. A. Stansbury. No. 1,245,814; Nov. 6; v. 244; p. 204.
- Sharpening device, Razor-. F. J. Kalteyer. No. 1,230,717; June 19; v. 239; p. 868.
- Sharpening gin and other like saws, Machine for. L. W. Saine. No. 1,220,894; Mar. 27; v. 236; p. 1150.
- Sharpening-machine. W. M. Palmer. No. 1,223,826; Apr. 24; v. 237; p. 1092.
- Sharpening machine, Blade-. W. E. Nickerson. No. 1,235,590; Aug. 7; v. 241; p. 20.
- Sharpening machine, Disk-. D. Stock. No. 1,224,807; May 1; v. 238; p. 245.
- Sharpening machine, Drill-. J. H. and H. L. Sinclair. No. 1,212,576; Jan. 16; v. 234; p. 824.
- Sharpening-machine for cutter-heads. W. A. Speegle. No. 1,213,703; Jan. 23; v. 234; p. 1249.
- Sharpening machine, Razor-. E. A. Conway. No. 1,223,672; Apr. 24; v. 237; p. 1037.
- Sharpening machines, Automatic shift for saw-. A. Ross. No. 1,210,697; Jan. 2; v. 234; p. 111.
- Sharpening the teeth of sickle-bars, Apparatus for. J. Priel. No. 1,231,425; June 26; v. 239; p. 1146.
- Shaving-cup, Individual. J. C. Goldenberg and A. I. Keller. No. 1,212,936; Jan. 16; v. 234; p. 950.
- Shaving device. H. Werner. No. 1,241,798; Oct. 2; v. 243; p. 105.
- Shaving kit. F. W. Grady. No. 1,213,352; Jan. 23; v. 234; p. 1129.
- Shaving outfit, Antiseptic. A. Braunstein. No. 1,211,282; Jan. 2; v. 234; p. 313.
- Shaving set, Collapsible. R. R. Dickenson. No. 1,248,284; Nov. 27; v. 244; p. 1020.
- Shaving-stick holder. H. A. Colgate. No. 1,238,744; Sept. 4; v. 242; p. 8.
- Shaving-stick holder. F. Grant. No. 1,242,175; Oct. 9; v. 243; p. 265.
- Shavings and sawdust separator. F. W. Brennan. No. 1,224,898; May 8; v. 238; p. 328.
- Shavings, Apparatus for disintegrating. D. E. Marshall. No. 1,211,736; Jan. 9; v. 234; p. 498.
- Shavings, Apparatus for making corrugated and creased wooden. A. L. Hellermann. No. 1,229,747; June 12; v. 239; p. 511.
- Sheaf-carrier. J. F. Meadows. No. 1,218,792; Mar. 13; v. 236; p. 353.
- Sheaf-loader. H. P. Fisher. No. 1,214,290; Jan. 30; v. 234; p. 1481.

Alphabetical list of inventions—Continued.

- Sheaf-loader. E. E. Thompson. No. 1,227,343; May 22; v. 238; p. 1233.
- Sheaf-loading machine. W. Richardson. No. 1,233,809; July 17; v. 240; p. 815.
- Shear and shear-operating mechanism. E. E. Slick. No. 1,220,369; Mar. 27; v. 236; p. 970.
- Shear holding and operating device. F. H. Schultz. No. 1,215,998; Feb. 13; v. 235; p. 569.
- Shears: *See*—
 Animal-shears. Power-operated shears.
 Barber's shears. Sheet-metal shears.
 Mower-shears. Slitting-shears.
- Shears. H. W. Miller. No. 1,243,540; Oct. 16; v. 243; p. 725.
- Shears. H. A. W. Smith. No. 1,227,333; May 22; v. 238; p. 1230.
- Shears. C. F. Zimmerman. No. 1,214,635; Feb. 6; v. 235; p. 53.
- Shears attachment. A. D. Sweet. No. 1,223,640; Apr. 24; v. 237; p. 1025.
- Shears, Feeding mechanism for metal-cutting. V. E. Edwards. No. 1,228,543; June 5; v. 239; p. 58.
- Shears for shearing metal. P. Broadbooks. No. 1,218,521; Mar. 6; v. 236; p. 218.
- Shears holder and controller, Sheep-. B. Roos. No. 1,221,379; Apr. 3; v. 237; p. 133.
- Shearing-die, Sectional scroll-edged. C. D. McDonald. No. 1,235,216; July 31; v. 240; p. 1330.
- Shearing implement. A. Anderson. No. 1,218,157; Mar. 6; v. 236; p. 94.
- Shearing-machine. H. A. Grimm. No. 1,250,858; Dec. 18; v. 245; p. 780.
- Shearing-machine attachment. R. D. Cook. No. 1,214,430; Jan. 30; v. 234; p. 1528.
- Shearing machine, Metal-. C. D. McDonald. No. 1,227,162; May 22; v. 238; p. 1175.
- Shearing machines, Guard attachment for cloth-. W. R. Vair. No. 1,228,079; May 29; v. 238; p. 1512.
- Shearing mechanism. C. Holly. No. 1,227,621; May 29; v. 238; p. 1354.
- Sheathing, Sectional. J. C. Meem. No. 1,246,135; Nov. 13; v. 244; p. 327.
- Sheave-block. B. B. Bosworth. No. 1,243,585; Oct. 16; v. 243; p. 738.
- Sheave-block. D. G. Manges. No. 1,213,670; Jan. 23; v. 234; p. 1238.
- Sheave or pulley. F. D. Udall. No. 1,222,818; Apr. 17; v. 237; p. 710.
- Sheep-shear comb. J. M. Bodine. No. 1,227,572; May 29; v. 238; p. 1338.
- Sheet-buckler. T. C. Dexter and R. Meredith. No. 1,250,990; Dec. 25; v. 245; p. 869.
- Sheet-centralizing devices, Means for automatically controlling. G. F. Brand. No. 1,232,197; July 3; v. 240; p. 222.
- Sheet-centralizing mechanism. G. P. Brand. No. 1,219,235; Mar. 13; v. 236; p. 505.
- Sheet-collating device, &c. W. H. Kidder. No. 1,251,241; Dec. 25; v. 245; p. 941.
- Sheet collecting and folding machines, Creasing mechanism for. H. M. Barber. No. 1,243,684; Oct. 23; v. 243; p. 800.
- Sheet, Composite. E. H. Angier. No. 1,227,520; May 22; v. 238; p. 1292.
- Sheet cutting, stitching, and folding machine. H. M. Barber. No. 1,242,909; Oct. 16; v. 243; p. 532.
- Sheet-delivery means. H. L. Leilich and J. P. Burger. No. 1,228,933; June 5; v. 239; p. 188.
- Sheet-delivery mechanism. F. H. Berold. No. 1,234,121; July 24; v. 240; p. 951.
- Sheet-delivery mechanism. J. White. No. 1,211,512; Jan. 9; v. 234; p. 423.
- Sheet-delivery receptacle. M. M. Marcuse. No. 1,216,713; Feb. 20; v. 235; p. 874.
- Sheet-edge protector. E. W. Hill. No. 1,250,174; Dec. 18; v. 245; p. 576.
- Sheet feeding and stacking mechanism. S. M. Langston. No. 1,214,188; Jan. 30; v. 234; p. 1444.
- Sheet-feeding machine. E. T. Campbell. No. 1,216,773; Feb. 20; v. 235; p. 895.
- Sheet-feeding machine. C. A. Juengst. No. 1,232,560; July 10; v. 240; p. 373.
- Sheet-feeding machine. C. W. Krueger. No. 1,250,902; Dec. 18; v. 245; p. 793.
- Sheet-feeding machine. L. Middleditch. No. 1,244,755; Oct. 30; v. 243; p. 1167.
- Sheet-feeding machine. J. H. Young. No. 1,218,034; Mar. 6; v. 236; p. 50.
- Sheet-feeding means. H. L. Brigham. No. 1,215,247; Feb. 6; v. 235; p. 266.
- Sheet-feeding mechanism. R. G. Clark. No. 1,225,410; May 8; v. 238; p. 502.
- Sheet-feeding mechanism. F. De Minico. No. 1,232,662; July 10; v. 240; p. 406.
- Sheet-feeding mechanism. R. A. Freeman. No. 1,235,562; Aug. 7; v. 241; p. 10.
- Sheet-feeding mechanism. S. M. Langston. No. 1,242,356; Oct. 9; v. 243; p. 322.
- Sheet-folder. D. G. Wagner. No. 1,222,338; Apr. 10; v. 237; p. 499.
- Sheet-heating furnace. C. Ellis. No. 1,238,011; Aug. 21; v. 241; p. 866.
- Sheet-holder. H. W. Von Unruh. No. 1,230,242; June 19; v. 239; p. 712.
- Sheet-interfolding machine. P. A. Schuchart. No. 1,228,835; June 5; v. 239; p. 158.
- Sheet-interleaving mechanism. H. P. Brown and C. L. Johnston. No. 1,228,400; June 5; v. 239; p. 9.
- Sheet material, Machine for forming. J. Czajka. No. 1,240,791; Sept. 18; v. 242; p. 719.
- Sheet material, Press for cutting or punching. A. R. Schoenky. No. 1,228,834; June 5; v. 239; p. 157.
- Sheet material, Process of and apparatus for manufacturing composite. H. R. Edgecomb. No. 1,239,894; Sept. 11; v. 242; p. 404.
- Sheet material together, Device for fastening. C. E. Taylor. No. 1,223,641; Apr. 24; v. 237; p. 1026.
- Sheet metal and wire, Machine for trimming. A. H. Wehrle. No. 1,244,931; Oct. 30; v. 243; p. 1221.
- Sheet-metal article, Forming a pressed-. A. L. Putnam. No. 1,249,825; Dec. 11; v. 245; p. 435.
- Sheet-metal-bending machine. H. R. Leland. No. 1,235,821; Aug. 7; v. 241; p. 95.
- Sheet-metal box. W. F. Conway. No. 1,213,157; Jan. 23; v. 234; p. 1060.
- Sheet-metal box. G. Klenk. No. 1,240,224; Sept. 18; v. 242; p. 544.
- Sheet-metal box. I. Paroly. No. 1,238,186; Aug. 28; v. 241; p. 957.
- Sheet-metal case. P. D. Skahen. No. 1,212,410; Jan. 16; v. 234; p. 765.
- Sheet-metal-case construction. W. W. Watson and C. A. Anderson. No. 1,215,447; Feb. 13; v. 235; p. 370.
- Sheet-metal compression-clamp for tubing and the like. A. J. Frey. No. 1,217,433; Feb. 27; v. 235; p. 1165.
- Sheet-metal construction. M. Lachman. No. 1,247,287; Nov. 20; v. 244; p. 702.
- Sheet-metal construction. O. M. Otte. No. 1,249,813; Dec. 11; v. 245; p. 432.
- Sheet-metal cylinders, Forming. R. E. Duham. No. 1,248,831; Dec. 4; v. 245; p. 120.
- Sheet metal, Expanding stranded. H. C. Herr. No. 1,231,888; July 3; v. 240; p. 119.
- Sheet-metal folding and shearing machine. O. P. Collins. No. 1,221,686; Apr. 3; v. 237; p. 237.
- Sheet metal, Forming ribs on. M. S. Goldsmith. No. 1,244,598; Oct. 30; v. 243; p. 1119.
- Sheet-metal frame. E. Carlson and F. B. Worden. No. 1,233,310; July 17; v. 240; p. 651.
- Sheet-metal frame. O. M. Otte. No. 1,241,243; Sept. 25; v. 242; p. 893.
- Sheet-metal frame. F. B. Worden and E. Carlson. No. 1,233,432; July 17; v. 240; p. 693.
- Sheet metal, Machine for cutting. J. L. L. Krook. No. 1,226,536; May 15; v. 238; p. 923.
- Sheet metal, Making articles from. L. R. N. Carvalho. No. 1,247,931; Nov. 27; v. 244; p. 921.
- Sheet-metal receptacles, Manufacture of lids for pressed-. G. W. Berry. No. 1,223,849; Apr. 24; v. 237; p. 1099.
- Sheet-metal rod or shaft. T. E. Murray. No. 1,223,089; Apr. 17; v. 237; p. 802.
- Sheet-metal rod or shaft. T. E. Murray. No. 1,223,090; Apr. 17; v. 237; p. 802.
- Sheet-metal-rolling machine for fenders and the like. R. W. Carter. No. 1,244,422; Oct. 23; v. 243; p. 1029.
- Sheet-metal shaping and bending machine. F. S. Vernon. No. 1,233,732; July 17; v. 240; p. 791.
- Sheet-metal shears. C. D. Wagner. No. 1,241,313; Sept. 25; v. 242; p. 917.
- Sheet-metal strips, Machine for slitting. F. C. Arey. No. 1,211,362; Jan. 2; v. 234; p. 336.
- Sheet-metal supports, Uniting articles to. E. Gruber. No. 1,249,948; Dec. 11; v. 245; p. 472.
- Sheet-metal tank, Automatic. J. Fowler. No. 1,212,341; Jan. 16; v. 234; p. 742.
- Sheet-metal-working machine. G. Horvath. No. 1,240,212; Sept. 18; v. 242; p. 540.
- Sheet-metal-working machine. P. Kruse. No. 1,242,206; Oct. 9; v. 243; p. 276.
- Sheet-metal-working machine. P. Kruse. No. 1,244,056; Oct. 23; v. 243; p. 918.
- Sheet-metal-working machine. P. Kruse. No. 1,246,437; Nov. 13; v. 244; p. 418.
- Sheet-register. G. J. Sinnott. No. 1,214,232; Jan. 30; v. 234; p. 1459.
- Sheet separating and feeding device. W. B. Story. No. 1,248,946; Dec. 4; v. 245; p. 151.
- Sheet-separating machine, Pneumatic. T. C. Dexter and R. Meredith. No. 1,249,042; Dec. 4; v. 245; p. 178.
- Sheet-slitting machines, Feed for. F. F. Clark. No. 1,232,459; July 3; v. 240; p. 305.
- Sheet-synchronizing mechanism. A. Novick. No. 1,212,242; Jan. 16; v. 234; p. 705.
- Sheet-tracking device. A. Schumacher and H. Doll. No. 1,233,130; July 10; v. 240; p. 558.
- Sheets, Holder for flexible. G. S. Thorson. No. 1,241,306; Sept. 25; v. 242; p. 916.
- Sheets, Making cross-ruled. L. Smith. No. 1,210,862; Jan. 2; v. 234; p. 165.
- Sheeting, Horizontal. J. B. Goldsborough. No. 1,216,225; Feb. 13; v. 235; p. 651.
- Shelf. T. M. Carney. No. 1,211,286; Jan. 2; v. 234; p. 314.
- Shelf-marker. H. M. Benedict. No. 1,230,653; June 19; v. 239; p. 848.
- Shelf, Portable. G. W. Clark. No. 1,238,637; Aug. 28; v. 241; p. 1103.

- Shelf, Revolving. R. Calboun. No. 1,243,651; Oct. 16; v. 243; p. 758.
- Shelf, Store-. N. H. Sande. No. 1,213,026; Jan. 16; v. 234; p. 983.
- Shelves, Hanging. L. T. Wilson. No. 1,227,723; May 29; v. 238; p. 1390.
- Shelving. C. E. Gerberich. No. 1,235,679; Aug. 7; v. 241; p. 48.
- Shelving. C. B. Ulrich. No. 1,227,703; May 29; v. 238; p. 1382.
- Shelving and adjustable bracket, Grooved. G. H. Christensen. No. 1,234,628; July 24; v. 240; p. 1115.
- Shelving, Metal. W. N. Vance. No. 1,213,304; Jan. 23; v. 234; p. 1112.
- Shelving, Store-. R. R. Belcher. No. 1,246,844; Nov. 20; v. 244; p. 574.
- Shell. J. Pail, Jr. No. 1,229,506; June 12; v. 239; p. 430.
- Shell. F. Robertson. No. 1,211,626; Jan. 9; v. 234; p. 461.
- Shell. F. E. Sutterfield. No. 1,243,641; Oct. 16; v. 243; p. 756.
- Shell-box-making machine. A. J. Kusterer and C. Sanders. No. 1,218,417; Mar. 6; v. 236; p. 183.
- Shell, Explosive. E. S. Dissinger. No. 1,229,049; June 5; v. 239; p. 226.
- Shell, Explosive. G. Rigg. No. 1,235,245; July 31; v. 240; p. 1339.
- Shell-filers, Mechanism for cleaning. E. D. Smith-Green. No. 1,232,401; July 3; v. 240; p. 287.
- Shell filling and closing machine. H. Talley. No. 1,245,528; Nov. 6; v. 244; p. 117.
- Shell-finishing machine. V. E. Prétot. No. 1,228,598; June 5; v. 239; p. 76.
- Shell, Friction-gear. C. B. Patch. No. 1,235,369; July 31; v. 240; p. 1376.
- Shell, Shrapnel-. W. C. Ingram. No. 1,240,217; Sept. 18; v. 242; p. 541.
- Shells and the like, Press for testing the bases of artillery-. E. Decauville. No. 1,250,101; Dec. 11; v. 245; p. 514.
- Shells, Apparatus for facilitating the interior coating of. C. C. Zabriskie. No. 1,231,685; July 3; v. 240; p. 51.
- Shells, Machine for finishing base or gas-check plugs for artillery-. E. J. Banfield. No. 1,225,742; May 15; v. 238; p. 656.
- Shells, Mold for casting. J. C. McLachlan. No. 1,215,564; Feb. 13; v. 235; p. 414.
- Shells, Safety device for. N. W. Aasen. No. 1,214,253; Jan. 30; v. 234; p. 1467.
- Shells, Safety device for. N. W. Aasen. No. 1,224,885; May 8; v. 238; p. 323.
- Shellac-jar. J. R. Long. No. 1,211,461; Jan. 9; v. 234; p. 405.
- Sheller: See—
Peanut-sheller.
- Shelling device. C. Sturtz. No. 1,236,995; Aug. 14; v. 241; p. 506.
- Shelter outfit, Combination. G. W. Gail, Jr. No. 1,215,139; Feb. 6; v. 235; p. 228.
- Shield and tag-bracket, Combined. R. P. Flower. No. 1,244,306; Oct. 23; v. 243; p. 994.
- Shield for icemen and others. C. G. Sagerstrom. No. 1,241,025; Sept. 25; v. 242; p. 825.
- Shield for the use of soldiers and others. F. Dayton and E. A. Whitfield. No. 1,214,517; Feb. 6; v. 235; p. 12.
- Shield, Movable. K. Kempny. No. 1,234,174; July 24; v. 240; p. 969.
- Shield or protector. A. E. Coyne. No. 1,221,513; Apr. 3; v. 237; p. 180.
- Shield, Portable army-. J. E. Ruzycski. No. 1,246,662; Nov. 13; v. 244; p. 485.
- Shifting device. C. W. Parker. No. 1,210,684; Jan. 2; v. 234; p. 107.
- Shingle. S. M. Ford. No. 1,213,472; Jan. 23; v. 234; p. 1171.
- Shingle. T. D. Miller. No. 1,226,564; May 15; v. 238; p. 932.
- Shingle. D. W. Millsaps. No. 1,226,355; May 15; v. 238; p. 866.
- Shingle-binding device. H. McLean. No. 1,226,900; May 22; v. 238; p. 1083.
- Shingle-bundle. W. C. Weeks. No. 1,222,054; Apr. 10; v. 237; p. 398.
- Shingle, Cement. H. R. Wardell. No. 1,244,148; Oct. 23; v. 243; p. 945.
- Shingle, Composition. J. C. and O. M. Loyer. (Reissue.) No. 14,387; Oct. 30; v. 243; p. 1288.
- Shingle-cutting machine for composition roofing. A. S. Spiegel. No. 1,249,544; Dec. 11; v. 245; p. 353.
- Shingle-laying, Device for facilitating. N. P. Harshberger. No. 1,210,469; Jan. 2; v. 234; p. 31.
- Shingle-making machine. W. P. Beck and A. C. Burns. No. 1,221,272; Apr. 3; v. 237; p. 96.
- Shingle, Metallic. W. H. Hall. No. 1,218,399; Mar. 6; v. 236; p. 177.
- Shingle, Metallic. C. M. Wales. No. 1,236,510; Aug. 14; v. 241; p. 347.
- Shingle-press. J. C. Bishop. No. 1,248,248; Nov. 27; v. 244; p. 1009.
- Shingle-stripper. W. L. Whittier. No. 1,218,145; Mar. 6; v. 236; p. 90.
- Shingles, Making asbestos-cement. R. J. Dearborn. No. 1,247,939; Nov. 27; v. 244; p. 923.
- Ship. B. B. Harris. No. 1,233,226; July 10; v. 240; p. 590.
- Ship. S. Ouimet. No. 1,236,750; Aug. 14; v. 241; p. 428.
- Ship-armor. J. H. Smith. No. 1,238,840; Sept. 4; v. 242; p. 39.
- Ship-brake. T. O'Sullivan. No. 1,223,416; Apr. 24; v. 237; p. 945.
- Ship-buffer. J. Lorenc. No. 1,250,604; Dec. 18; v. 245; p. 704.
- Ship-building. F. A. Ballin. No. 1,231,232; June 26; v. 239; p. 1081.
- Ship-cleaning device. P. Ganz. No. 1,213,091; Jan. 16; v. 234; p. 1004.
- Ship construction. R. Chilcott. No. 1,229,413; June 12; v. 239; p. 400.
- Ship construction. A. and A. M. McDougall. No. 1,233,380; July 17; v. 240; p. 676.
- Ship-floating device. S. Suzuki. No. 1,233,141; July 10; v. 240; p. 562.
- Ship for carrying liquid cargoes in bulk. H. Laing and E. W. Ashby. No. 1,234,675; July 24; v. 240; p. 1129.
- Ship-hull construction. T. Fenwick. No. 1,240,129; Sept. 11; v. 242; p. 473.
- Ship, indicator, Sunken-. H. Westin. No. 1,211,989; Jan. 9; v. 234; p. 591.
- Ship-locating device, Sunken-. L. Polachek. No. 1,249,486; Dec. 11; v. 245; p. 336.
- Ship-protecting device. G. G. Babich. No. 1,241,902; Oct. 2; v. 243; p. 139.
- Ship-protecting device. F. W. Baumhover. No. 1,240,007; Sept. 11; v. 242; p. 438.
- Ship-protecting device. L. Beltrami. No. 1,219,692; Mar. 20; v. 236; p. 694.
- Ship-protecting shield. W. A. Shephard. No. 1,223,627; Apr. 24; v. 237; p. 1021.
- Ship-protector. G. N. Andricopoulos. No. 1,241,602; Oct. 2; v. 243; p. 44.
- Ship-protector. G. Melnik and K. Schultz. No. 1,244,627; Oct. 30; v. 243; p. 1123.
- Ship-protector. J. Santore. No. 1,249,836; Dec. 11; v. 245; p. 439.
- Ship-protector. J. Vaidik. No. 1,245,069; Oct. 30; v. 243; p. 1261.
- Ship-rudders, Arrangement of. G. Po. No. 1,247,448; Nov. 20; v. 244; p. 748.
- Ship-saving device. M. F. Foster. No. 1,220,408; Mar. 27; v. 236; p. 984.
- Ship stabilizing and rolling apparatus. E. A. Sperry. No. 1,232,619; July 10; v. 240; p. 391.
- Ship, Stowing and transference of boats on board. G. J. Phillips and L. A. Keller. No. 1,239,821; Sept. 11; v. 242; p. 381.
- Ship's boat or the like. A. R. T. Woods. No. 1,232,155; July 3; v. 240; p. 210.
- Ship's draft-gage. J. M. Cole. No. 1,218,525; Mar. 6; v. 236; p. 219.
- Ship's guide, Automatic fog safety. O. Fricke. No. 1,225,796; May 15; v. 238; p. 674.
- Ship's light. E. Benvenuti. No. 1,220,936; Mar. 27; v. 236; p. 1163.
- Ship's log, Electromagnetic. C. G. Smith and J. Slepian. No. 1,249,530; Dec. 11; v. 245; p. 349.
- Ship's-order transmitting and receiving apparatus. W. S. Rush. No. 1,221,222; Apr. 3; v. 237; p. 79.
- Ship's table. F. Zagmeister. No. 1,244,158; Oct. 23; v. 243; p. 948.
- Ships against submarine explosions, Device for protecting. G. E. Elia. No. 1,246,073; Nov. 13; v. 244; p. 308.
- Ships and for protecting them against encountered floating bodies and mines, Apparatus for driving and steering. D. Moissuff. No. 1,237,674; Aug. 21; v. 241; p. 761.
- Ships and other purposes, Conveyor for coaling. G. Jones. No. 1,239,400; Sept. 4; v. 242; p. 217.
- Ships, Apparatus for indicating the speed of. R. Star. No. 1,239,978; Sept. 11; v. 242; p. 429.
- Ships, Apparatus for raising sunken. E. S. Hayford. No. 1,228,914; June 5; v. 239; p. 184.
- Ships, Automatic distance-indicator for. H. H. Cummings. No. 1,247,508; Nov. 20; v. 244; p. 765.
- Ships' boats and facilitating the lowering of same, Apparatus for storing. I. F. Taylor. No. 1,240,100; Sept. 11; v. 242; p. 464.
- Ships. Buoyancy attachment for. J. Persak. No. 1,240,873; Sept. 25; v. 242; p. 778.
- Ships, Couch-platform for. L. G. Sarich. No. 1,239,226; Sept. 4; v. 242; p. 163.
- Ships, Device for raising sunken. C. H. Curtiss. No. 1,239,260; Sept. 4; v. 242; p. 174.
- Ships' hatch-coverings, Means for securing. J. L. Gordon. No. 1,226,878; May 22; v. 238; p. 1077.
- Ships, Hole-closing device for. C. Kook. No. 1,249,422; Dec. 11; v. 245; p. 317.
- Ships' hulls, Constructing. P. H. Nelson. No. 1,244,762; Oct. 30; v. 243; p. 1169.
- Ships in dry setting, Means for adjusting and shoring. A. F. Wiking. No. 1,235,089; July 31; v. 240; p. 1292.
- Ships, Jury-rigged sail for. A. McDougall. No. 1,243,198; Oct. 16; v. 243; p. 624.
- Ships, Leak-obturbating device for. F. Wullyamez and G. Meyer. No. 1,221,496; Apr. 3; v. 237; p. 174.
- Ships' logs, Means for operating. G. E. Robertson. No. 1,230,225; June 19; v. 239; p. 706.

Alphabetical list of inventions—Continued.

- Ships, Lookout-mast for. A. Bonom. No. 1,213,579; Jan. 23; v. 234; p. 1208.
- Ships, Means for recovering stranded. J. W. Church. No. 1,240,120; Sept. 11; v. 242; p. 471.
- Ships or submarines for cutting through wire-netting. Attachment on. M. Helmberger. No. 1,247,111; Nov. 20; v. 244; p. 652.
- Ships or vessels, Protecting means for. A. C. Holzapfel. No. 1,233,237; July 10; v. 240; p. 592.
- Ships, Reef-alarm for. J. L. Kerchey. No. 1,247,689; Nov. 27; v. 244; p. 850.
- Ships, Safety appliance for. A. S. Terbaar. No. 1,227,093; May 22; v. 238; p. 1151.
- Ships, Turbo-generator for. R. V. Morse. No. 1,225,992; May 15; v. 238; p. 739.
- Ships unsinkable, Rendering. W. T. Donnelly. No. 1,223,154; Apr. 17; v. 237; p. 825.
- Ships, Ventilator-cowl for. J. Jenkins. No. 1,228,677; June 5; v. 239; p. 103.
- Shipping and display case, Combined. P. M. Koenig. No. 1,235,521; July 31; v. 240; p. 1422.
- Shipping-box. S. Ellis. No. 1,247,517; Nov. 20; v. 244; p. 768.
- Shipping-box, Knockdown. G. M. Walker. No. 1,217,852; Feb. 27; v. 235; p. 1311.
- Shipping-case. A. Benson. No. 1,230,985; June 26; v. 239; p. 998.
- Shipping-case. E. T. Dyson and H. S. Bullen. No. 1,225,705; May 8; v. 238; p. 600.
- Shipping-case. P. N. Gareau. No. 1,222,753; Apr. 17; v. 237; p. 687.
- Shipping-case. L. Schott. No. 1,214,082; Jan. 30; v. 234; p. 1410.
- Shipping-case, Collapsible. R. L. Boswell and H. E. Martin. No. 1,228,287; May 29; v. 238; p. 1577.
- Shipping-jack. J. W. Souther. No. 1,228,983; June 5; v. 239; p. 205.
- Shipping-jack. J. W. Souther. No. 1,242,617; Oct. 9; v. 243; p. 407.
- Shipping-receptacle. F. W. Dobbel. No. 1,236,918; Aug. 14; v. 241; p. 480.
- Shipping-receptacle. J. M. Richens. No. 1,216,165; Feb. 13; v. 235; p. 631.
- Shipping-receptacle. C. R. Smith. No. 1,231,079; June 26; v. 239; p. 1030.
- Shipping-shoe, Metallic. E. S. Marks. No. 1,235,356; July 31; v. 240; p. 1372.
- Shipping-tag. C. L. Beeman. No. 1,222,595; Apr. 17; v. 237; p. 631.
- Shirt. A. C. Haft, Jr. No. 1,215,931; Feb. 13; v. 235; p. 546.
- Shirt. S. Niederberger. No. 1,246,985; Nov. 20; v. 244; p. 616.
- Shirt, Convertible. G. Harper. No. 1,231,600; July 3; v. 240; p. 21.
- Shirt, Convertible. J. McKay. No. 1,251,069; Dec. 25; v. 245; p. 892.
- Shirt-waist. A. J. McBride. No. 1,243,196; Oct. 16; v. 243; p. 623.
- Shirt-waist, Man's. A. Kaplan. No. 1,210,486; Jan. 2; v. 234; p. 38.
- Shirts, blouses and the like, Machine for cutting. L. H. Hays. No. 1,249,621; Dec. 11; v. 245; p. 375.
- Shock-absorber. P. A. Anderson. No. 1,215,139; Jan. 23; v. 234; p. 1053.
- Shock-absorber. B. J. Borgmann. No. 1,242,134; Oct. 9; v. 243; p. 252.
- Shock-absorber. G. G. F. Boswell. No. 1,242,316; Oct. 9; v. 243; p. 310.
- Shock-absorber. J. T. Bush. No. 1,218,370; Mar. 6; v. 236; p. 168.
- Shock-absorber. H. G. Carr. No. 1,240,822; Sept. 25; v. 242; p. 762.
- Shock-absorber. G. Concato. No. 1,218,171; Mar. 6; v. 236; p. 98.
- Shock-absorber. P. P. Crabill and J. Turner. No. 1,232,659; July 10; v. 240; p. 405.
- Shock-absorber. W. A. Crook. No. 1,215,122; Feb. 6; v. 235; p. 223.
- Shock-absorber. H. V. Deming. No. 1,212,133; Jan. 9; v. 234; p. 637.
- Shock-absorber. T. I. Duffy. No. 1,213,083; Jan. 16; v. 234; p. 1000.
- Shock-absorber. G. A. Eberhardt. No. 1,234,312; July 24; v. 240; p. 1014.
- Shock-absorber. C. Elbye and C. A. Petersen. No. 1,247,094; Nov. 20; v. 244; p. 647.
- Shock-absorber. E. Flentje. No. 1,227,126; May 22; v. 238; p. 1163.
- Shock-absorber. E. Fuller. No. 1,217,296; Feb. 27; v. 235; p. 1116.
- Shock-absorber. E. J. Glackin. No. 1,249,064; Dec. 4; v. 245; p. 184.
- Shock-absorber. C. A. Glass. No. 1,232,912; July 10; v. 240; p. 489.
- Shock-absorber. E. C. Gray. No. 1,216,226; Feb. 13; v. 235; p. 652.
- Shock-absorber. B. K. Hall. No. 1,215,269; Feb. 6; v. 235; p. 274.
- Shock-absorber. L. P. Halladay. No. 1,240,441; Sept. 18; v. 242; p. 611.
- Shock-absorber. L. P. Halladay. No. 1,243,599; Oct. 16; v. 243; p. 741.
- Shock-absorber. W. S. Harley. No. 1,216,686; Feb. 20; v. 235; p. 864.
- Shock-absorber. J. H. Hughes and G. J. Wiedeman. No. 1,243,526; Oct. 16; v. 243; p. 721.
- Shock-absorber. H. H. Hunter. No. 1,242,103; Oct. 2; v. 243; p. 201.
- Shock-absorber. A. S. Johnson. No. 1,210,483; Jan. 2; v. 234; p. 37.
- Shock-absorber. J. E. Key. No. 1,243,305; Oct. 16; v. 243; p. 656.
- Shock-absorber. J. M. López. No. 1,221,877; Apr. 10; v. 237; p. 337.
- Shock-absorber. J. J. Macbeth. No. 1,239,200; Sept. 4; v. 242; p. 153.
- Shock-absorber. R. Martin. No. 1,213,523; Jan. 23; v. 234; p. 1188.
- Shock-absorber. J. W. Matthews. No. 1,214,343; Jan. 30; v. 234; p. 1500.
- Shock-absorber. E. M. May. No. 1,242,574; Oct. 9; v. 243; p. 393.
- Shock-absorber. J. M. McCool. No. 1,230,496; June 19; v. 239; p. 795.
- Shock-absorber. F. X. Mudd. No. 1,241,468; Sept. 25; v. 242; p. 962.
- Shock-absorber. H. Pervellis. No. 1,237,085; Aug. 14; v. 241; p. 535.
- Shock-absorber. R. H. Pettengill. No. 1,219,035; Mar. 13; v. 236; p. 438.
- Shock-absorber. D. C. Pickett. No. 1,241,438; Sept. 25; v. 242; p. 953.
- Shock-absorber. C. G. Polleys. No. 1,231,788; July 3; v. 240; p. 85.
- Shock-absorber. C. Redmond. No. 1,250,012; Dec. 11; v. 245; p. 488.
- Shock-absorber. F. V. Risinger. No. 1,223,422; Apr. 24; v. 237; p. 947.
- Shock-absorber. F. V. Risinger. No. 1,249,199; Dec. 4; v. 245; p. 222.
- Shock-absorber. S. E. Sanderson. No. 1,249,210; Dec. 4; v. 245; p. 226.
- Shock-absorber. J. Scopelliti. No. 1,248,175; Nov. 27; v. 244; p. 989.
- Shock-absorber. H. B. Snell. No. 1,230,938; June 26; v. 239; p. 981.
- Shock-absorber. G. A. Stafford. No. 1,215,736; Feb. 13; v. 235; p. 475.
- Shock-absorber. J. Y. Stewart. No. 1,212,837; Jan. 16; v. 234; p. 916.
- Shock-absorber. B. Stomberg. No. 1,237,117; Aug. 14; v. 241; p. 545.
- Shock-absorber. S. M. Stone. No. 1,249,549; Dec. 11; v. 245; p. 254.
- Shock-absorber. A. Stowasser. No. 1,217,659; Feb. 27; v. 235; p. 1248.
- Shock-absorber. J. W. Watson. No. 1,230,352; June 19; v. 239; p. 748.
- Shock-absorber. C. Weiland. No. 1,216,191; Feb. 13; v. 235; p. 640.
- Shock-absorber. R. S. Williams. No. 1,244,814; Oct. 30; v. 243; p. 1185.
- Shock-absorber. S. Wilson. No. 1,241,595; Oct. 2; v. 243; p. 42.
- Shock-absorber. A. B. Zumwalt. No. 1,226,434; May 15; v. 238; p. 891.
- Shock-absorber and air-compressor, Pneumatic. W. H. Holden. No. 1,247,835; Nov. 27; v. 244; p. 895.
- Shock-absorber attachment for bicycles. E. A. Pangman. No. 1,239,035; Sept. 4; v. 242; p. 101.
- Shock-absorber, Automobile. J. V. Dawson. No. 1,251,348; Dec. 25; v. 245; p. 974.
- Shock-absorber connection. F. Schimmel. No. 1,227,963; May 29; v. 238; p. 1473.
- Shock-absorber for automobiles. R. W. Bryan. No. 1,237,466; Aug. 21; v. 241; p. 693.
- Shock-absorber for automobiles. C. L. Grider. No. 1,241,622; Oct. 2; v. 243; p. 50.
- Shock-absorber for automobiles or other vehicles. J. B. Newton. No. 1,237,372; Aug. 21; v. 241; p. 663.
- Shock-absorber for batteries. F. N. Bosson and L. B. Armstrong. No. 1,224,439; May 1; v. 238; p. 118.
- Shock-absorber for batteries. F. N. Bosson and L. B. Armstrong. No. 1,235,648; Aug. 7; v. 241; p. 39.
- Shock-absorber for cantaliver-springs. E. R. Draver. No. 1,216,421; Feb. 20; v. 235; p. 774.
- Shock-absorber for liquid-weighting machines. W. Leinert. No. 1,247,693; Nov. 27; v. 244; p. 851.
- Shock-absorber for motor-vehicles. L. C. and J. H. Brahts. No. 1,233,969; July 17; v. 240; p. 868.
- Shock-absorber for motor-vehicles. E. Knauss. No. 1,212,506; Jan. 16; v. 234; p. 799.
- Shock-absorber for pneumatic tools. W. C. Simpson, Jr., and J. F. Barbour. No. 1,221,615; Apr. 3; v. 237; p. 214.
- Shock-absorber for starting mechanism. R. Reiner. No. 1,213,016; Jan. 16; v. 234; p. 979.
- Shock-absorber for vehicles. W. Anderson. No. 1,211,272; Jan. 2; v. 234; p. 309.
- Shock-absorber for vehicles. H. Bratlie. No. 1,223,850; Apr. 24; v. 237; p. 1099.
- Shock-absorber for vehicles. A. G. Erickson and E. B. Henry. No. 1,216,221; Feb. 13; v. 235; p. 650.
- Shock-absorber for vehicles. H. C. Hebig. No. 1,210,645; Jan. 2; v. 234; p. 93.

- Shock-absorber for vehicles. A. E. Leymarie. No. 1,223,705; Apr. 24; v. 237; p. 1049.
- Shock-absorber for vehicles, Frictional. J. F. O'Connor. No. 1,224,496; May 1; v. 238; p. 136.
- Shock-absorber, Reaction. H. B. Kelper. No. 1,243,181; Oct. 16; v. 243; p. 617.
- Shock-absorber, Streamlined. N. W. Dalton. No. 1,246,021; Nov. 6; v. 244; p. 262.
- Shock-absorbers, Dash-pot for. C. H. Slaterry. No. 1,214,719; Feb. 6; v. 235; p. 84.
- Shock-absorbing body-brace for automobiles. R. M. Musgrove. No. 1,222,445; Apr. 10; v. 237; p. 538.
- Shock-absorbing device. W. C. Baker. No. 1,223,307; Apr. 17; v. 237; p. 873.
- Shock-absorbing device for vehicles. J. F. O'Connor. No. 1,220,446; Mar. 27; v. 236; p. 997.
- Shock-absorbing hub unit, Resilient. G. T. Greeley. No. 1,241,109; Sept. 25; v. 242; p. 850.
- Shock-absorbing mechanism. E. H. Schmidt. No. 1,228,831; June 5; v. 239; p. 156.
- Shock-absorbing mechanism. E. H. Schmidt. No. 1,243,327; Oct. 16; v. 243; p. 632.
- Shock-absorbing mechanism for railway-cars. E. H. Schmidt. No. 1,228,830; June 5; v. 239; p. 156.
- Shock-absorbing shaft. H. Cooper. No. 1,218,929; Mar. 13; v. 236; p. 402.
- Shock-absorbing spring. A. M. Dicklin and J. Rippchen. No. 1,235,190; July 31; v. 240; p. 1322.
- Shock-absorbing spring device. W. H. Kelly. No. 1,248,671; Dec. 4; v. 245; p. 72.
- Shock-absorbing steering-knuckle for automobiles. J. F. Grabill. No. 1,249,616; Dec. 11; v. 245; p. 373.
- Shock-absorbing wheel. E. J. Gould. No. 1,250,447; Dec. 18; v. 245; p. 657.
- Shock-absorption gear for tank and other cars. J. M. Waugh. No. 1,245,841; Nov. 6; v. 244; p. 212.
- Shock and rebound absorber. G. G. Bayne. No. 1,214,120; Jan. 30; v. 234; p. 1422.
- Shock and sound arrester. C. F. Wendland. No. 1,240,521; Sept. 18; v. 242; p. 636.
- Shock-binder. H. C. England. No. 1,222,856; Apr. 17; v. 237; p. 722.
- Shock-compressor. D. C. Curren. No. 1,223,565; Apr. 24; v. 237; p. 998.
- Shock-controlling device. C. B. Billingham. No. 1,216,931; Feb. 20; v. 235; p. 947.
- Shock forming and making machine. J. L. Culkin. No. 1,236,680; Aug. 14; v. 241; p. 403.
- Shock-forming machine. A. E. Warner. No. 1,216,523; Feb. 20; v. 235; p. 808.
- Shock-gatherer, Traveling. B. H. Nelson. No. 1,216,350; Feb. 20; v. 235; p. 747.
- Shock-handling device. H. R. Eubank. No. 1,249,935; Dec. 11; v. 245; p. 468.
- Shock loading and unloading machine. A. H. Wartchow. No. 1,250,737; Dec. 18; v. 245; p. 744.
- Shock or bundle tier. C. G. Fravel. No. 1,230,397; June 19; v. 239; p. 761.
- Shock-resisting mechanism. K. Edahl. No. 1,221,428; Apr. 3; v. 237; p. 150.
- Shocker. W. H. Perrin. No. 1,218,694; Mar. 13; v. 236; p. 316.
- Shocker-machine. J. Schoonhoven. No. 1,232,854; July 10; v. 240; p. 469.
- Shocking-machine. G. E. Allen and J. H. Wulff. No. 1,211,809; Jan. 9; v. 234; p. 525.
- Shocking-machine. B. R. Benjamin. No. 1,222,717; Apr. 17; v. 237; p. 675.
- Shocking-machine. H. G. Lancashire. No. 1,246,951; Nov. 26; v. 244; p. 605.
- Shocking-machine. C. R. Raney. No. 1,222,796; Apr. 17; v. 237; p. 702.
- Shocking-machine. C. R. Raney. No. 1,226,373; May 15; v. 238; p. 872.
- Shocking-machine. C. R. Raney. No. 1,231,195; June 26; v. 239; p. 1069.
- Shocking-machine. C. R. Raney. No. 1,242,112; Oct. 2; v. 243; p. 204.
- Shocking-machine. H. L. Rockwell. No. 1,211,880; Jan. 9; v. 234; p. 551.
- Shocking-machine-adjusting mechanism. C. R. Raney. No. 1,239,621; Sept. 11; v. 242; p. 315.
- Shocking-machine attachment. C. K. Raney. No. 1,222,797; Apr. 17; v. 237; p. 702.
- Shocking-machine for grain and the like. J. P. Smith. No. 1,226,398; May 15; v. 238; p. 880.
- Shocking-machine frame. C. R. Raney and R. C. Livesay. No. 1,222,799; Apr. 17; v. 237; p. 703.
- Shocking-machines, Automatic trip for. C. R. Raney. No. 1,226,375; May 15; v. 238; p. 872.
- Shoe. T. B. Baldwin. No. 1,237,451; Aug. 21; v. 241; p. 689.
- Shoe. T. B. Baldwin. No. 1,237,452; Aug. 31; v. 241; p. 689.
- Shoe. E. H. Binns. No. 1,215,767; Feb. 13; v. 235; p. 486.
- Shoe. C. H. Brown. No. 1,240,318; Dec. 11; v. 245; p. 289.
- Shoe. J. Cavanagh. No. 1,229,585; June 12; v. 239; p. 458.
- Shoe. L. Domeyer. No. 1,232,010; July 3; v. 240; p. 159.
- Shoe. J. E. Dube. No. 1,249,923; Dec. 11; v. 245; p. 465.
- Shoe. G. B. Fox. No. 1,211,127; Jan. 2; v. 234; p. 256.
- Shoe. H. M. Hansen. No. 1,215,020; Feb. 6; v. 235; p. 191.
- Shoe. T. F. Healey. No. 1,250,312; Dec. 18; v. 245; p. 616.
- Shoe. C. G. Heeren. No. 1,223,694; Apr. 24; v. 237; p. 1046.
- Shoe. G. and E. Krieger. No. 1,217,463; Feb. 27; v. 235; p. 1175.
- Shoe. H. Meyer. No. 1,248,147; Nov. 27; v. 244; p. 981.
- Shoe. E. D. and E. A. Moloney. No. 1,232,591; July 10; v. 240; p. 383.
- Shoe. J. A. Nordloh. No. 1,213,123; Jan. 16; v. 234; p. 1015.
- Shoe. J. S. Orr. No. 1,210,521; Jan. 2; v. 234; p. 49.
- Shoe. N. Payne. No. 1,249,817; Dec. 11; v. 245; p. 433.
- Shoe. E. Persson. No. 1,219,584; Mar. 20; v. 236; p. 657.
- Shoe. A. H. Prenzel. No. 1,216,358; Feb. 20; v. 235; p. 749.
- Shoe. A. H. Prenzel. No. 1,217,215; Feb. 27; v. 235; p. 1089.
- Shoe. A. H. Prenzel. No. 1,219,585; Mar. 20; v. 236; p. 657.
- Shoe. A. H. Prenzel. No. 1,230,216; June 19; v. 239; p. 703.
- Shoe. W. A. Rounds. No. 1,245,802; Nov. 6; v. 244; p. 201.
- Shoe. L. Sandler. No. 1,246,942; Nov. 20; v. 244; p. 603.
- Shoe. A. P. Savage. No. 1,222,678; Apr. 17; v. 237; p. 661.
- Shoe. N. Skoulhikides. No. 1,243,993; Oct. 23; v. 243; p. 899.
- Shoe. J. G. Taylor, Jr. No. 1,213,036; Jan. 16; v. 234; p. 985.
- Shoe and making same, Arch-supporting. J. F. Teehan. No. 1,218,911; Mar. 13; v. 236; p. 396.
- Shoe and making the same. M. L. Dodge. No. 1,221,154; Apr. 3; v. 237; p. 53.
- Shoe and making the same. T. F. Whelan. No. 1,238,856; Sept. 4; v. 242; p. 43.
- Shoe and making the same, Turn-. M. L. Dodge. No. 1,224,081; Apr. 24; v. 237; p. 1177.
- Shoe and making the same, Turned. M. L. Dodge. No. 1,221,153; Apr. 3; v. 237; p. 53.
- Shoe and other fastener. J. P. Phillips. No. 1,219,482; Mar. 20; v. 236; p. 620.
- Shoe, Arch-supporting. N. S. Donnelly. No. 1,239,575; Sept. 11; v. 242; p. 302.
- Shoe, Arch-supporting. T. H. Graydon. No. 1,236,424; Aug. 14; v. 241; p. 319.
- Shoe, Athletic. N. B. Johnson. No. 1,229,278; June 12; v. 239; p. 354.
- Shoe attachment. B. C. Mallick. No. 1,223,994; Apr. 24; v. 237; p. 1148.
- Shoe, Barefoot house. F. F. Skinner. No. 1,213,030; Jan. 16; v. 234; p. 984.
- Shoe, Bathing-. B. Troutt. No. 1,228,720; June 5; v. 239; p. 118.
- Shoe-beading machine. E. N. Lightfoot. No. 1,245,745; Nov. 6; v. 244; p. 182.
- Shoe, Bog-. M. E. Mattson. No. 1,237,077; Aug. 14; v. 241; p. 531.
- Shoe-bottoms, Apparatus for automatically filling. A. Thoma. No. 1,224,428; May 1; v. 238; p. 114.
- Shoe-bottoms, Apparatus for filling. A. Thoma. No. 1,218,017; Mar. 6; v. 236; p. 45.
- Shoe-bottoms, Machine for operating on. E. E. Winkley. No. 1,242,503; Oct. 9; v. 243; p. 368.
- Shoe-box-retaining means. G. H. Wheary. No. 1,216,385; Feb. 20; v. 235; p. 760.
- Shoe-boxings, Machine for making. R. P. Frye. No. 1,236,832; Aug. 14; v. 241; p. 453.
- Shoe-cap. W. Pass. No. 1,245,763; Nov. 6; v. 244; p. 187.
- Shoe-cleaner. W. G. Callender. No. 1,245,869; Nov. 6; v. 244; p. 220.
- Shoe-cleaner. W. G. Callender. No. 1,246,873; Nov. 20; v. 244; p. 582.
- Shoe-cleaner. J. Russel. No. 1,225,502; May 8; v. 238; p. 532.
- Shoe-cleaner, Rotary. T. Molinaro. No. 1,223,195; Apr. 17; v. 237; p. 839.
- Shoe-cleaning apparatus. J. K. Skinder. No. 1,238,837; Sept. 4; v. 242; p. 38.
- Shoe-closure. A. D. Curry. No. 1,242,774; Oct. 9; v. 243; p. 455.
- Shoe-closure. E. P. Hormel. No. 1,249,092; Dec. 4; v. 245; p. 192.
- Shoe-closure. G. A. Petersen. No. 1,213,533; Jan. 23; v. 234; p. 1192.
- Shoe-collar. F. R. Donisthorpe and A. Coltman. No. 1,229,913; June 12; v. 239; p. 566.
- Shoe construction. G. Calamiello. No. 1,217,703; Feb. 27; v. 235; p. 1261.
- Shoe construction. M. W. Greer. No. 1,230,478; June 19; v. 239; p. 789.
- Shoe construction. C. E. Lynch. No. 1,239,411; Sept. 4; v. 242; p. 220.
- Shoe-counter-finishing machine. T. M. Devaney. No. 1,223,040; Apr. 17; v. 237; p. 785.
- Shoe creasing and stretching machine. A. E. Block. No. 1,244,829; Oct. 30; v. 243; p. 1190.
- Shoe-creeper. F. Jordan. No. 1,236,572; Aug. 14; v. 241; p. 367.

Alphabetical list of inventions—Continued.

- Shoe-fastener. J. W. Hanley. No. 1,247,398; Nov. 20; v. 244; p. 733.
- Shoe-fastener. C. M. Harris. No. 1,236,298; Aug. 7; v. 241; p. 246.
- Shoe-fastener. B. K. H. Loyland. No. 1,239,610; Sept. 11; v. 242; p. 312.
- Shoe-fastener. C. B. McHannan. No. 1,247,435; Nov. 20; v. 244; p. 744.
- Shoe-fastener. A. T. Wright. No. 1,211,996; Jan. 9; v. 234; p. 593.
- Shoe-fastener, Invisible. K. T. Tanaka. No. 1,219,052; Mar. 13; v. 233; p. 443.
- Shoe-fastening. F. H. Hopkins. No. 1,211,315; Jan. 2; v. 234; p. 323.
- Shoe-fastening. Z. Suzuki. No. 1,230,538; June 19; v. 239; p. 810.
- Shoe-fastening. J. W. White. No. 1,236,797; Aug. 14; v. 241; p. 443.
- Shoe-fastening device. P. W. Fedczyszyn. No. 1,223,574; Apr. 24; v. 237; p. 1001.
- Shoe-fastening device. J. H. N. Peterson. No. 1,219,146; Mar. 13; v. 236; p. 476.
- Shoe-fastening means. W. L. Buckman. No. 1,248,609; Dec. 4; v. 245; p. 55.
- Shoe-fastening means. A. E. Johnson. No. 1,236,308; Aug. 7; v. 241; p. 249.
- Shoe-filler. A. Thoma. No. 1,227,696; May 29; v. 238; p. 1380.
- Shoe-filler composition. A. H. Prenzel. No. 1,217,214; Feb. 27; v. 235; p. 1089.
- Shoe-filler, Making a. A. H. Prenzel. No. 1,217,213; Feb. 27; v. 235; p. 1089.
- Shoe-filling composition. O. Elsenschiml. No. 1,224,153; May 1; v. 238; p. 13.
- Shoe-finishing machine. F. W. Blanchard. No. 1,214,266; Jan. 30; v. 234; p. 1472.
- Shoe-finishing machine. J. C. Wise. No. 1,212,724; Jan. 16; v. 234; p. 879.
- Shoe-finishing machine. J. C. Wise. No. 1,222,838; Apr. 17; v. 237; p. 715.
- Shoe, Fish-cord. L. M. Tynes. No. 1,227,981; May 29; v. 238; p. 1479.
- Shoe, Foot-ball. D. J. Golden. No. 1,221,985; Apr. 10; v. 237; p. 376.
- Shoe-forming machine. W. J. Drey. (Reissue.) No. 1,351; Sept. 11; v. 242; p. 486.
- Shoe, Golf. W. Park. No. 1,243,209; Oct. 16; v. 243; p. 627.
- Shoe-horn. H. Brooks. No. 1,224,846; May 1; v. 238; p. 259.
- Shoe-horn. C. R. Redheffer. No. 1,213,948; Jan. 30; v. 234; p. 1363.
- Shoe-horn. C. W. Vogler. No. 1,233,422; July 17; v. 240; p. 690.
- Shoe-horn, Folding. J. L. Sommer. No. 1,242,615; Oct. 8; v. 243; p. 406.
- Shoe-iron. Electrically-heated. E. N. Chandler. No. 1,228,180; May 29; v. 238; p. 1543.
- Shoe-ironing apparatus. O. Ashton. No. 1,244,405; Oct. 23; v. 243; p. 1023.
- Shoe-jack. O. T. Haig and S. A. Lewis. No. 1,232,914; July 10; v. 240; p. 490.
- Shoe-lining. C. A. Stewart. No. 1,223,297; Apr. 17; v. 237; p. 870.
- Shoe-lining protector. A. Ledoux. No. 1,237,663; Aug. 21; v. 241; p. 757.
- Shoe-machine. F. M. Furber. No. 1,236,422; Aug. 14; v. 241; p. 318.
- Shoe-machine, Automatic. E. E. Winkley. No. 1,218,148; Mar. 6; v. 236; p. 91.
- Shoe-machine support. C. A. Hamel and F. E. Valois. No. 1,229,609; June 12; v. 239; p. 466.
- Shoe, Metal. J. L. G. Webb. No. 1,216,896; Feb. 20; v. 235; p. 935.
- Shoe mud-guard. W. A. Collings. No. 1,242,923; Oct. 16; v. 243; p. 537.
- Shoe-nailing machine. M. J. Hart. No. 1,218,649; Mar. 13; v. 236; p. 300.
- Shoe, Pneumatic. R. Marabini. No. 1,225,455; May 8; v. 238; p. 518.
- Shoe-polish. J. J. Broz. No. 1,231,997; July 3; v. 240; p. 154.
- Shoe-polish, Device for containing and applying. W. D. Lynch. No. 1,221,066; Apr. 3; v. 237; p. 21.
- Shoe-polish, White. D. G. Gordon. No. 1,249,742; Dec. 11; v. 245; p. 410.
- Shoe-polishing apparatus. A. C. Erickson. No. 1,230,572; June 19; v. 239; p. 822.
- Shoe-polishing apparatus. F. A. Schwartzfager. No. 1,232,857; July 10; v. 240; p. 471.
- Shoe-polishing device. G. A. Mäusert. No. 1,232,065; July 3; v. 240; p. 179.
- Shoe-polishing machine. W. G. Mefford. No. 1,217,803; Feb. 27; v. 235; p. 1295.
- Shoe-polishing machine. W. C. Schade. No. 1,230,039; June 12; v. 239; p. 605.
- Shoe-polishing-machine pedestal. J. E. Birdsall. No. 1,246,031; Nov. 6; v. 244; p. 265.
- Shoe-polishing machines, Blast device for. G. E. De Los Monteros. No. 1,239,673; Sept. 11; v. 242; p. 332.
- Shoe-polishing stand. C. A. Beyers. No. 1,226,053; May 15; v. 238; p. 762.
- Shoe-pressing machine. F. Rampichini. No. 1,244,776; Oct. 30; v. 243; p. 1174.
- Shoe-protector. R. P. Lloyd. No. 1,224,655; May 1; v. 238; p. 192.
- Shoe-rack. G. Brown, Jr. No. 1,222,728; Apr. 17; v. 237; p. 679.
- Shoe-rack. W. P. Hammond. No. 1,232,298; July 3; v. 240; p. 255.
- Shoe-rack. E. F. O'Brien. No. 1,237,945; Aug. 21; v. 241; p. 845.
- Shoe-rack bumper. W. P. Hammond. No. 1,232,537; July 10; v. 240; p. 366.
- Shoe-removing device, Animal-. J. R. Tate and N. J. Smith. No. 1,231,097; June 26; v. 239; p. 1037.
- Shoe, Rubber-sole. M. W. White. No. 1,215,450; Feb. 13; v. 235; p. 371.
- Shoe, Rubber-soled. E. W. Dunbar. No. 1,226,318; May 15; v. 238; p. 855.
- Shoe, Rubber-soled. M. W. White. No. 1,215,449; Feb. 13; v. 235; p. 371.
- Shoe-shaping. D. A. Moyer. No. 1,224,197; May 1; v. 238; p. 29.
- Shoe-shaping means. D. A. Moyer. No. 1,224,198; May 1; v. 238; p. 29.
- Shoe-shining and hat-dusting machine. G. E. and G. Pootmans. No. 1,219,148; Mar. 13; v. 236; p. 476.
- Shoe-shining apparatus. C. Lovell. No. 1,216,239; Feb. 13; v. 235; p. 657.
- Shoe-shining chair. O. R. Hasty. No. 1,225,811; May 15; v. 238; p. 679.
- Shoe-shining device. T. F. Gansmer. No. 1,218,393; Mar. 6; v. 236; p. 175.
- Shoe-shining device. E. J. Young. No. 1,250,069; Dec. 11; v. 245; p. 505.
- Shoe-shining machine. P. Amadeo. No. 1,237,855; Aug. 21; v. 241; p. 817.
- Shoe-shining machine. V. Kosmin. No. 1,211,717; Jan. 9; v. 234; p. 490.
- Shoe-shining stand. M. A. Mathewson. No. 1,236,198; Aug. 7; v. 241; p. 215.
- Shoe-shining stand. L. A. Nesler. No. 1,221,363; Apr. 3; v. 237; p. 127.
- Shoe, Sporting-. W. T. Stall. No. 1,212,834; Jan. 16; v. 234; p. 915.
- Shoe, Stitch-down. W. J. Kelly. No. 1,243,421; Oct. 16; v. 243; p. 689.
- Shoe-stretcher. J. Dubois. No. 1,248,290; Nov. 27; v. 244; p. 1022.
- Shoe-stretcher. C. G. Marker. No. 1,229,998; June 12; v. 239; p. 592.
- Shoe stretcher and former. O. Binzel. No. 1,226,449; May 15; v. 238; p. 895.
- Shoe-stretching device. L. L. Passmore. No. 1,244,638; Oct. 30; v. 243; p. 1131.
- Shoe-stretching tree. V. Benedetti. No. 1,237,861; Aug. 21; v. 241; p. 818.
- Shoe-support. C. J. Lang. No. 1,225,657; May 8; v. 238; p. 584.
- Shoe-support. E. S. Rigdon. No. 1,221,092; Apr. 3; v. 237; p. 31.
- Shoe-supporting jack. M. Brock. No. 1,217,401; Feb. 27; v. 235; p. 1152.
- Shoe tap or half-sole. J. H. Shoemaker and H. Bruck. No. 1,239,628; Sept. 11; v. 242; p. 817.
- Shoe-toe heater. A. Barton. (Reissue.) No. 1,4334; July 31; v. 240; p. 1429.
- Shoe-toe moistening and heating apparatus. L. E. Stocker. No. 1,217,360; Feb. 27; v. 235; p. 1138.
- Shoe-tongues, Stud for. C. C. Cheney. No. 1,211,544; Jan. 9; v. 234; p. 434.
- Shoe-top binding. O. Jaegge. No. 1,217,002; Feb. 20; v. 235; p. 972.
- Shoe-tree. W. A. Ross. No. 1,222,470; Apr. 10; v. 237; p. 547.
- Shoe, Turn-. M. L. Dodge. No. 1,241,940; Oct. 2; v. 243; p. 151.
- Shoe, Turned. W. I. Colby. No. 1,233,754; July 17; v. 240; p. 797.
- Shoe, Turned. J. B. Tilton. No. 1,241,579; Oct. 2; v. 243; p. 36.
- Shoe-upper. W. F. Lautenschlager. No. 1,248,416; Nov. 27; v. 244; p. 1056.
- Shoe-upper or overgaiter, Detachable. F. W. Adams. No. 1,248,239; Nov. 27; v. 244; p. 1006.
- Shoe-uppers, Machine for shaping the rear portions of. F. Ricks. No. 1,247,011; Nov. 20; v. 244; p. 623.
- Shoe uppers, Making button-. J. Gross. No. 1,216,441; Feb. 20; v. 235; p. 781.
- Shoe, Ventilated. E. J. Larson. No. 1,248,873; Dec. 4; v. 245; p. 133.
- Shoe, Welt-. G. A. Dobyne. No. 1,251,354; Dec. 25; v. 245; p. 976.
- Shoe-welts, Machine for operating on. E. E. Winkley. No. 1,242,504; Oct. 9; v. 243; p. 368.
- Shoe work, Toe-rest for turn-. D. A. Moyer. No. 1,224,196; May 1; v. 238; p. 29.
- Shoe-working machine, Multitool. R. W. Blaisdell. No. 1,236,397; Aug. 14; v. 241; p. 309.
- Shoes, Adjustable arch-support for. J. M. Callahan. No. 1,238,493; Aug. 28; v. 241; p. 1057.
- Shoes and wedges, Device for laying off. J. D. Logan. No. 1,230,418; June 19; v. 239; p. 768.
- Shoes, Apparatus for varnishing rubber. L. C. Colt. No. 1,225,013; May 8; v. 238; p. 367.
- Shoes, Arch-support for. M. Cangen. No. 1,236,820; Aug. 14; v. 241; p. 450.

- Shoes, Attaching half-soles to the base of old. W. H. McCausland. No. 1,211,326; Jan. 2; v. 234; p. 326.
- Shoes, Combined tongue and lace protector for. J. A. Gomes. No. 1,229,940; June 12; v. 239; p. 575.
- Shoes, Constructing, moccasin-. H. E. Merrill. No. 1,231,183; June 26; v. 239; p. 1065.
- Shoes, Device for bending the tacks of lasted. E. L. Keyes. No. 1,210,655; Jan. 2; v. 234; p. 97.
- Shoes, Filling. A. Thoma. No. 1,227,502; May 22; v. 238; p. 1285.
- Shoes, gloves, &c., Fastener for. J. D. Ellison. No. 1,249,357; Dec. 11; v. 245; p. 300.
- Shoes, Machine for filling the bottoms of. A. Thoma. No. 1,225,372; May 8; v. 238; p. 490.
- Shoes, Machine for operating upon. E. H. Bastable. No. 1,248,791; Dec. 4; v. 245; p. 108.
- Shoes, Machine for pasting and inserting sock-linings of. D. C. Donovan and A. Ferri. No. 1,235,191; July 31; v. 240; p. 1322.
- Shoes, Making. A. Bates. No. 1,212,170; Jan. 16; v. 234; p. 678.
- Shoes, Making. A. Bates. No. 1,215,304; Feb. 6; v. 235; p. 285.
- Shoes, Making. K. Engel. No. 1,246,730; Nov. 13; v. 244; p. 504.
- Shoes, Making. J. A. Kelly. (Reissue.) No. 14,261; Feb. 20; v. 235; p. 1017.
- Shoes, Making. W. J. Kelly. No. 1,214,816; Jan. 30; v. 234; p. 1491.
- Shoes, Making. G. P. Presby. No. 1,240,794; Sept. 18; v. 242; p. 719.
- Shoes, Making. S. Strauss. No. 1,221,388; Apr. 3; v. 237; p. 136.
- Shoes, Making. C. Tweedie. No. 1,230,954; June 26; v. 239; p. 987.
- Shoes, Making. A. J. Waite. No. 1,215,440; Feb. 13; v. 235; p. 368.
- Shoes, Making stitch-down. W. J. Kelly. No. 1,251,385; Dec. 25; v. 245; p. 984.
- Shoes, Making turn-. M. L. Dodge. No. 1,241,939; Oct. 2; v. 243; p. 150.
- Shoes, Making welt-. G. E. Hedlund. No. 1,229,077; June 5; v. 239; p. 235.
- Shoes, Manufacturing. J. Cavanagh. No. 1,229,227; June 12; v. 239; p. 336.
- Shoes, Plate for. A. Schrader. No. 1,237,829; Aug. 21; v. 241; p. 809.
- Shoes, Pneumatic cushion for. G. Olsen. No. 1,240,153; Sept. 11; v. 242; p. 481.
- Shoes, Removable spur for. C. G. Clifford. No. 1,230,118; June 19; v. 239; p. 670.
- Shoes, Repairing turn-. W. A. Owens. No. 1,244,772; Oct. 30; v. 243; p. 1173.
- Shoes, Roll-retaining device for machines for operating on. W. G. Malloy. No. 1,232,429; July 3; v. 240; p. 296.
- Shoes, Tread member for. L. McMillan. No. 1,236,582; Aug. 14; v. 241; p. 370.
- Shoemaker's tool. L. J. Bedard. No. 1,212,173; Jan. 16; v. 234; p. 679.
- Shoemaker's tool. M. L. Dodge. No. 1,228,761; June 5; v. 239; p. 132.
- Shoestring-fastener. F. A. Guillette. No. 1,249,949; Dec. 11; v. 245; p. 472.
- Shooter, Serpentine-. J. L. Castillo. No. 1,224,112; Apr. 24; v. 237; p. 1188.
- Shooting. C. Weslow. No. 1,226,152; May 15; v. 238; p. 795.
- Shooting at a target, Indicating apparatus to assist in teaching accurate. O. W. Wedgwood. No. 1,217,376; Feb. 27; v. 235; p. 1144.
- Shooting-gallery. J. P. Panos. No. 1,250,215; Dec. 18; v. 245; p. 588.
- Shopping-bag. I. Pomper. No. 1,223,420; Apr. 24; v. 237; p. 947.
- Shopping-guide, Consumer's. M. A. Bakewell. No. 1,236,136; Aug. 7; v. 241; p. 195.
- Shore, Adjustable. G. Brown. No. 1,223,367; Apr. 24; v. 237; p. 927.
- Shortening and leavening preparation. R. A. Holbrook. No. 1,210,940; Jan. 2; v. 234; p. 194.
- Shortening composition and producing the same. H. A. Kohman, T. M. Godfrey, and L. H. Ashe. No. 1,242,883; Oct. 9; v. 243; p. 490.
- Shortening composition, Producing a. H. A. Kohman, T. M. Godfrey, and L. H. Ashe. No. 1,242,884; Oct. 9; v. 243; p. 490.
- Shorthand-machine. W. S. Ireland. No. 1,216,998; Feb. 20; v. 235; p. 970.
- Shot. T. G. Frothingham. No. 1,249,372; Dec. 11; v. 245; p. 304.
- Shot-firing device. E. Porphir. No. 1,232,840; July 10; v. 240; p. 465.
- Shotgun-transformer. M. G. Rosengarten. No. 1,217,347; Feb. 27; v. 235; p. 1134.
- Shotguns, Safety device for. J. H. Wesson. No. 1,249,576; Dec. 11; v. 245; p. 361.
- Shoulder-arm, Bolt-action. T. C. Johnson. No. 1,218,263; Mar. 6; v. 236; p. 132.
- Shoulder-arms, Rear sight for, bolt-action. T. C. Johnson. No. 1,220,637; Mar. 27; v. 236; p. 1063.
- Shoulder-brace. A. Hodges. No. 1,248,860; Dec. 4; v. 245; p. 129.
- Shovel. See—
- Cultivator-shovel. Sifting-shovel.
- Hand-operated shovel. Snow-shovel.
- Power-shovel. Weighing-shovel.
- Rotary shovel.
- Shovel. A. L. Adams. No. 1,233,435; July 17; v. 240; p. 694.
- Shovel. A. L. Adams. No. 1,233,740; July 17; v. 240; p. 793.
- Shovel. T. Preneveault. No. 1,247,451; Nov. 20; v. 244; p. 749.
- Shovel. J. D. Redman. No. 1,225,680; May 8; v. 238; p. 592.
- Shovel. A. F. Staples. No. 1,241,677; Oct. 2; v. 243; p. 66.
- Shovel and scoop. J. S. Surbaugh. No. 1,212,582; Jan. 16; v. 234; p. 827.
- Shovel and sieve, Combined. W. R. Watkins. No. 1,234,835; July 31; v. 240; p. 1211.
- Shovel attachment. R. Mills. No. 1,232,361; July 3; v. 240; p. 275.
- Shovel attachment for pitchforks. G. Peterson. No. 1,220,453; Mar. 27; v. 236; p. 1000.
- Shovel dipper, Steam-. W. G. Wood. No. 1,215,089; Feb. 6; v. 235; p. 213.
- Shovel-operating mechanism, Steam-. E. Hawkins. No. 1,222,205; Apr. 10; v. 237; p. 452.
- Shovel-operating mechanism, Steam-. E. Hawkins. No. 1,250,868; Dec. 18; v. 245; p. 783.
- Shovel, scoop, &c. J. S. Surbaugh. No. 1,247,032; Nov. 20; v. 244; p. 628.
- Shovel tooth, Power-. G. T. Chambers. No. 1,220,186; Mar. 27; v. 236; p. 905.
- Shovels, Driving-sheave for steam-. E. E. Crane. No. 1,231,856; July 3; v. 240; p. 108.
- Shovels, spades, and the like, Step for. G. W. Benton. No. 1,223,555; Apr. 24; v. 237; p. 996.
- Shoveling and conveying machine. T. E. Suffolk. No. 1,249,239; Dec. 4; v. 245; p. 235.
- Shoveling-machine. F. H. Armstrong. No. 1,234,115; July 24; v. 240; p. 949.
- Shoveling-machine. F. M. Hewitt. No. 1,213,640; Jan. 23; v. 234; p. 1228.
- Shoveling or digging device. W. J. Keating. No. 1,217,954; Mar. 6; v. 236; p. 23.
- Show-case. C. B. Dodson. No. 1,245,203; Nov. 6; v. 244; p. 19.
- Show-case. J. S. Geesey. No. 1,229,062; June 5; v. 239; p. 230.
- Show-case. O. L. Smith. No. 1,219,404; Mar. 13; v. 236; p. 563.
- Show-case. J. M. Waddell. No. 1,246,365; Nov. 13; v. 244; p. 397.
- Show-case. W. L. Wheelless. No. 1,222,702; Apr. 17; v. 237; p. 670.
- Show-case light. J. F. Doyle, Jr., and M. B. Avillar. No. 1,241,098; Sept. 25; v. 242; p. 847.
- Show-jar, Transparent. K. Panay. No. 1,228,473; June 5; v. 239; p. 34.
- Shower-bath. H. S. Brickell. No. 1,222,726; Apr. 17; v. 237; p. 678.
- Shower-bath. M. Maury and W. C. Magruder. No. 1,215,681; Feb. 13; v. 235; p. 458.
- Shower-bath apparatus. J. H. McElroy. No. 1,225,985; May 15; v. 238; p. 738.
- Shower-bath fixture. W. H. Pritchett. No. 1,241,765; Oct. 2; v. 243; p. 94.
- Shower-bath, Portable field. W. H. Pritchett. No. 1,241,764; Oct. 2; v. 243; p. 94.
- Shower-head, Self-cleaning. W. A. Speakman. No. 1,236,617; Aug. 14; v. 241; p. 382.
- Shrapnel-loading machine. P. Stepanoff. No. 1,229,666; June 12; v. 239; p. 485.
- Shrub and plant holder. L. F. Philipps. No. 1,218,115; Mar. 6; v. 236; p. 80.
- Shutter. R. H. Richardson. No. 1,245,970; Nov. 6; v. 244; p. 248.
- Shutter-blower. H. Ebert. No. 1,216,968; Feb. 20; v. 235; p. 966.
- Shutter-operating device. P. J. Marks. No. 1,214,700; Feb. 6; v. 235; p. 77.
- Shutter, Safety-. G. W. Lancaster. No. 1,244,215; Oct. 23; v. 243; p. 695.
- Shutter, Thermal-controlled. E. Cahill. No. 1,221,414; Apr. 3; v. 237; p. 145.
- Shutter, Thermal-controlled. E. Cahill. No. 1,221,415; Apr. 3; v. 237; p. 146.
- Shuttle. R. N. Allen. No. 1,245,549; Nov. 6; v. 244; p. 124.
- Shuttle. L. C. Baldwin. No. 1,212,881; Jan. 16; v. 234; p. 931.
- Shuttle. J. B. Daudelin. No. 1,248,627; Dec. 4; v. 245; p. 59.
- Shuttle. U. Hebert. No. 1,226,613; May 15; v. 238; p. 947.
- Shuttle. H. Lussier. No. 1,226,615; May 15; v. 238; p. 947.
- Shuttle. A. F. McCollum. No. 1,238,542; Aug. 28; v. 241; p. 1074.
- Shuttle. F. Renzo. No. 1,247,601; Nov. 20; v. 244; p. 791.

Alphabetical list of inventions—Continued.

- Shuttle. W. H. Wilson. No. 1,236,807; Aug. 14; v. 241; p. 446.
- Shuttle attachment. J. Bolton and H. Deforge. No. 1,237,236; Aug. 14; v. 241; p. 581.
- Shuttle bobbin-holder. L. E. Chase. No. 1,236,052; Aug. 7; v. 241; p. 171.
- Shuttle-box. G. W. Holland. No. 1,233,234; July 10; v. 240; p. 592.
- Shuttle-check. H. H. Hodgman. No. 1,212,952; Jan. 16; v. 234; p. 955.
- Shuttle-drive. O. L. Lawson and J. H. Reed. No. 1,215,557; Feb. 13; v. 235; p. 411.
- Shuttle eye or threader. W. B. Brown. No. 1,235,430; July 31; v. 240; p. 1393.
- Shuttle-forming device. J. Granz. No. 1,239,177; Sept. 4; v. 242; p. 146.
- Shuttle-guard. J. P. Landry. No. 1,220,434; Mar. 27; v. 236; p. 993.
- Shuttle-lock. F. M. Pierce. No. 1,242,371; Oct. 9; v. 243; p. 327.
- Shuttle motion and carrier. R. Krenz. No. 1,231,536; June 26; v. 239; p. 1180.
- Shuttle-pin. E. F. Minet. No. 1,248,694; Dec. 4; v. 245; p. 78.
- Shuttle. Self-threading. H. W. Hakes. No. 1,221,048; Apr. 3; v. 237; p. 15.
- Shuttle-spring. W. A. Bashaw. No. 1,241,076; Sept. 25; v. 242; p. 840.
- Shuttle tension. F. Renzo. No. 1,228,479; June 5; v. 239; p. 36.
- Shuttle-tension device. H. F. Daniels. No. 1,219,708; Mar. 20; v. 236; p. 700.
- Shuttle-tension device. E. R. Holmes and S. Davis. No. 1,226,519; May 15; v. 238; p. 917.
- Shuttle-threading mechanism. W. L. Barrell. No. 1,210,584; Jan. 2; v. 234; p. 71.
- Shuttle-tip. R. E. Coolidge. No. 1,239,085; Sept. 4; v. 242; p. 117.
- Shuttle-winder. W. Hendry. No. 1,216,994; Feb. 20; v. 235; p. 969.
- Shuttles, Bobbin-catch for. G. M. Cheney. No. 1,235,290; July 31; v. 240; p. 1352.
- Shuttles, Feed-controlling device for. D. Blydenburgh. No. 1,223,361; Apr. 24; v. 237; p. 926.
- Shuttles, Guide-eye for. J. N. Le Vasseur-Belisle. No. 1,222,004; Apr. 10; v. 237; p. 382.
- Shuttles, Tension device for. J. C. Shambow. No. 1,230,525; June 19; v. 239; p. 805.
- Sickle-bar. W. F. Aidlotte. No. 1,233,950; July 17; v. 240; p. 862.
- Sickle-bar. C. F. Hover. No. 1,240,720; Sept. 18; v. 242; p. 696.
- Sickle-bar. H. H. Koons. No. 1,231,174; June 26; v. 239; p. 1063.
- Sickle-blade holder. P. Eckman. No. 1,212,615; Jan. 16; v. 234; p. 838.
- Sickle, for mowing-machines and the like. J. C. Alford. No. 1,231,111; June 26; v. 239; p. 1042.
- Sickle-head, Cushion. S. R. Lamont. No. 1,233,254; July 10; v. 240; p. 597.
- Side-delivery rake. J. Dain. No. 1,241,096; Sept. 25; v. 242; p. 846.
- Side-delivery rake. H. B. Holtvoigt. No. 1,240,451; Sept. 18; v. 242; p. 615.
- Side-frame construction. S. A. Benner. No. 1,246,381; Nov. 13; v. 244; p. 401.
- Sidewalk-elevator. J. S. Lindholm. No. 1,212,518; Jan. 16; v. 234; p. 803.
- Sidewalk-lights, Flashing for. R. A. Willison. No. 1,243,235; Oct. 16; v. 243; p. 634.
- Sieve. W. F. Ihrke. No. 1,216,453; Feb. 20; v. 235; p. 784.
- Sieve, Flour and fruit. I. M. Riggs. No. 1,245,619; Nov. 6; v. 244; p. 145.
- Sieves, Vibrator for. A. D. Hughes. No. 1,249,094; Dec. 4; v. 245; p. 193.
- Sifter. F. L. Kirby. No. 1,245,595; Nov. 6; v. 244; p. 138.
- Sifter. M. D. Lemaster. No. 1,217,786; Feb. 27; v. 235; p. 1288.
- Sifter and mixer. Combined. S. Toda. No. 1,212,585; Jan. 16; v. 234; p. 828.
- Sifter and receptacle. Ash. S. Brest. No. 1,242,318; Oct. 9; v. 243; p. 310.
- Sifter and scoop. Ash. J. F. Murphy. No. 1,234,195; July 24; v. 240; p. 976.
- Sifter, Ash-. P. H. Becker. No. 1,231,694; July 3; v. 240; p. 54.
- Sifter, Ash-. J. M. Collins. No. 1,229,033; June 5; v. 239; p. 221.
- Sifter, Ash-. S. Duskes. No. 1,225,941; May 15; v. 238; p. 723.
- Sifter, Ash-. R. R. Johnson. No. 1,217,314; Feb. 27; v. 235; p. 1122.
- Sifter, Ash-. M. Kamenstein. No. 1,228,779; June 5; v. 239; p. 138.
- Sifter, Ash-. A. P. Schmitt. No. 1,242,050; Oct. 2; v. 243; p. 184.
- Sifter, Ash-. L. Soren. No. 1,232,113; July 3; v. 240; p. 196.
- Sifter, Ash-. L. Stawicki. No. 1,219,600; Mar. 20; v. 236; p. 662.
- Sifter, Flour-. C. Anderson. No. 1,221,816; Apr. 10; v. 237; p. 315.
- Sifter, Flour-. C. S. Couch. No. 1,248,081; Nov. 27; v. 244; p. 961.
- Sifter, Flour-. C. T. Engle. No. 1,238,007; Aug. 21; v. 241; p. 865.
- Sifter, Flour-. H. L. Mendal. No. 1,212,239; Jan. 16; v. 234; p. 703.
- Sifting machine, Portable sand-. C. H. Green. No. 1,230,477; June 19; v. 239; p. 789.
- Sifting-shovel. C. M. Raymond. No. 1,237,218; Aug. 14; v. 241; p. 574.
- Sight. R. Collier. No. 1,223,476; Apr. 24; v. 237; p. 966.
- Sighting apparatus. W. A. Burns. No. 1,211,399; Jan. 9; v. 234; p. 384.
- Sighting apparatus. W. A. Burns. No. 1,211,400; Jan. 9; v. 234; p. 384.
- Sighting apparatus. W. A. Burns. No. 1,211,401; Jan. 9; v. 234; p. 385.
- Sighting instrument. J. E. Logan. No. 1,246,960; Nov. 20; v. 244; p. 608.
- Sign. J. F. Kaiser. No. 1,212,069; Jan. 9; v. 234; p. 615.
- Sign. E. Kreher. No. 1,222,417; Apr. 10; v. 237; p. 528.
- Sign. J. W. Larson and K. C. Knudson. No. 1,217,192; Feb. 27; v. 235; p. 1081.
- Sign. H. H. Marriott and D. K. Wade. No. 1,237,359; Aug. 21; v. 241; p. 659.
- Sign. C. A. Marshall. No. 1,224,480; May 1; v. 238; p. 131.
- Sign. A. D. McKellar. No. 1,245,365; Nov. 6; v. 244; p. 67.
- Sign. W. E. McLaren. No. 1,246,629; Nov. 13; v. 244; p. 477.
- Sign. R. J. Morgan. No. 1,226,357; May 15; v. 238; p. 867.
- Sign. M. S. Neal. No. 1,236,862; Aug. 14; v. 241; p. 463.
- Sign. H. Y. Norwood. No. 1,239,033; Sept. 4; v. 242; p. 106.
- Sign, Advertising-. R. Roehm. No. 1,227,074; May 22; v. 238; p. 1145.
- Sign and making the same. R. Hardesty. No. 1,243,164; Oct. 16; v. 243; p. 612.
- Sign-applying tool. E. Kreher. No. 1,222,418; Apr. 10; v. 237; p. 529.
- Sign-board. M. E. Axtell. No. 1,227,989; May 29; v. 238; p. 1482.
- Sign-board. J. C. Lake. No. 1,223,803; Apr. 24; v. 237; p. 1084.
- Sign, Changeable. W. L. Clark. No. 1,229,716; June 12; v. 239; p. 501.
- Sign, Changeable. A. Holder. No. 1,246,600; Nov. 13; v. 244; p. 467.
- Sign, Changeable. A. H. Mandel and M. Roth. No. 1,225,454; May 8; v. 238; p. 517.
- Sign, Changeable electric. T. C. Hansen. No. 1,230,403; June 19; v. 239; p. 763.
- Sign character. H. F. Anderson. No. 1,230,644; June 19; v. 239; p. 846.
- Sign, Decalcomania window-. O. Palm, Jr. No. 1,212,392; Jan. 16; v. 234; p. 759.
- Sign device or apparatus. W. H. Tucker. No. 1,246,500; Nov. 13; v. 244; p. 437.
- Sign, Electric. P. J. Berg. No. 1,246,847; Nov. 20; v. 244; p. 575.
- Sign, Electric. G. S. Coleman. No. 1,250,143; Dec. 18; v. 245; p. 565.
- Sign, Electric. S. G. Crane. No. 1,217,715; Feb. 27; v. 235; p. 1264.
- Sign, Electric. A. Morgan. No. 1,236,592; Aug. 14; v. 241; p. 373.
- Sign, Electric. J. R. Stark and M. S. Harwell. No. 1,227,686; May 29; v. 238; p. 1377.
- Sign, Electric. S. E. Swancutt. No. 1,224,037; Apr. 24; v. 237; p. 1162.
- Sign, Electric. H. W. Walden. No. 1,234,514; July 24; v. 240; p. 1080.
- Sign, Electric-light. T. H. Peery. No. 1,220,678; Mar. 27; v. 236; p. 1077.
- Sign-flasher. C. D. Pruitt. No. 1,242,861; Oct. 9; v. 243; p. 484.
- Sign-holder. J. Brown, Jr. No. 1,212,898; Jan. 16; v. 234; p. 937.
- Sign-holder. L. Rosen. No. 1,222,468; Apr. 10; v. 237; p. 546.
- Sign-holder. M. H. Simmons. No. 1,219,596; Mar. 20; v. 236; p. 661.
- Sign-holder, Extensible. W. J. Damarin. No. 1,229,897; June 12; v. 239; p. 561.
- Sign, Illuminated. E. P. Baker. No. 1,219,218; Mar. 13; v. 236; p. 500.
- Sign, Illuminated. E. B. Kilian. No. 1,247,408; Nov. 20; v. 244; p. 736.
- Sign, Illuminated. C. A. McNeal. No. 1,226,550; May 15; v. 238; p. 928.
- Sign, Illuminated. G. R. Pyper. No. 1,251,283; Dec. 25; v. 245; p. 954.
- Sign, Illuminated. R. R. Wiley. No. 1,215,600; Feb. 13; v. 235; p. 428.
- Sign, Illuminated. R. R. and W. K. Wiley and W. S. Hough, Jr. No. 1,224,253; May 1; v. 238; p. 49.
- Sign, Illuminated. F. W. Wilson. No. 1,228,507; June 5; v. 239; p. 45.

- Sign-letter and holder. F. Thunell. No. 1,239,983; Sept. 11; v. 242; p. 431.
- Sign or advertisement, Illuminated. W. J. Beville. No. 1,239,154; Sept. 4; v. 242; p. 140.
- Sign, Precautionary. E. H. Bostock. No. 1,221,277; Apr. 3; v. 237; p. 98.
- Sign receptacle, Electric. R. M. Frydryhowicz. No. 1,241,106; Sept. 25; v. 242; p. 850.
- Sign, Revolving. R. C. Cauthorn and E. A. Graves. No. 1,232,895; July 10; v. 240; p. 484.
- Sign, Street. R. M. Wallace. No. 1,213,713; Jan. 23; v. 234; p. 1253.
- Sign support, Street. L. J. Zika. No. 1,238,976; Sept. 4; v. 242; p. 83.
- Sign switch, Electric. J. E. Long. No. 1,231,762; July 3; v. 240; p. 76.
- Sign system, Electric. M. E. Launbranch. No. 1,235,818; Aug. 7; v. 241; p. 94.
- Sign system, Electric. M. E. Launbranch. No. 1,238,027; Aug. 21; v. 241; p. 871.
- Sign, Variable electric. H. F. Walton. No. 1,231,821; July 3; v. 240; p. 96.
- Sign, Wagon. J. D. Dittenbaugh. No. 1,238,749; Sept. 4; v. 242; p. 9.
- Signs, Apparatus for producing series of. A. G. Damm. No. 1,233,035; July 10; v. 240; p. 527.
- Signal: See—
- Auto-signal.
 - Automobile-signal.
 - Automobile direction-signal.
 - Automobile direction-indicating signal.
 - Automobile safety-signal.
 - Automobile traffic-signal.
 - Automobile turning-signal.
 - Automobile turning and stopping signal.
 - Automobile visual and audible signal.
 - Block-signal.
 - Bomb-signal.
 - Car-signal.
 - Crossing-signal.
 - Direction-signal.
 - Directional signal.
 - Display-signal.
 - Drip-pan signal.
 - Electric signal.
 - Electrical signal.
 - Electromagnetic signal.
 - Elevator-signal.
 - Engineer's cab-signal.
 - Exposure-signal.
 - Fire-signal.
 - Fire-escape signal.
 - Fishing-signal.
 - Overflow-signal.
 - Railway-signal.
 - Railway-crossing signal.
 - Railway electric signal.
 - Rain-signal.
 - Rain and wind signal.
 - Road-signal.
 - Safety-signal.
 - Street-crossing signal.
 - Telephone-signal.
 - Tire-signal.
 - Tire-deflation signal.
 - Traffic-signal.
 - Traffic-directing signal.
 - Train-signal.
 - Train-order signal.
 - Vehicle-signal.
 - Vehicle direction-signal.
 - Vehicle indicating-signal.
 - Vehicle safety-signal.
 - Vehicle stop-signal.
 - Vehicle traffic-directing signal.
 - Warning-signal.
 - Wigwag signal.
- Signal. W. H. Ashworth and J. C. Crout. No. 1,241,603; Oct. 2; v. 243; p. 44.
- Signal. W. Chaffin. No. 1,239,668; Sept. 11; v. 242; p. 331.
- Signal. J. P. Coleman. No. 1,211,676; Jan. 9; v. 234; p. 478.
- Signal. W. F. Egelhofer. No. 1,248,469; Dec. 4; v. 245; p. 12.
- Signal. R. M. Gilson. No. 1,227,777; May 29; v. 238; p. 1408.
- Signal. R. M. Gilson. No. 1,227,778; May 29; v. 238; p. 1408.
- Signal. W. R. Honeyball. No. 1,218,864; Mar. 13; v. 236; p. 381.
- Signal. E. P. Hoover. No. 1,232,549; July 10; v. 240; p. 370.
- Signal. H. T. Murphy. No. 1,244,883; Oct. 30; v. 243; p. 1206.
- Signal. G. J. Pauly. No. 1,215,979; Feb. 13; v. 235; p. 563.
- Signal. L. P. Rothford. No. 1,215,710; Feb. 13; v. 235; p. 468.
- Signal. G. P. Sellar. No. 1,248,177; Nov. 27; v. 244; p. 989.
- Signal. J. Shiflet. No. 1,230,810; June 19; v. 239; p. 899.
- Signal. J. Shiflet. No. 1,245,048; Oct. 30; v. 243; p. 1254.
- Signal. W. Sparks. No. 1,214,721; Feb. 6; v. 235; p. 85.
- Signal. W. Sparks. No. 1,214,722; Feb. 6; v. 235; p. 85.
- Signal. W. Sparks. No. 1,227,084; May 22; v. 238; p. 1148.
- Signal. W. Sparks. No. 1,227,085; May 22; v. 238; p. 1149.
- Signal. W. Sparks. No. 1,240,156; Sept. 11; v. 242; p. 481.
- Signal. C. Willers. No. 1,224,695; May 1; v. 238; p. 206.
- Signal. W. Zabel. No. 1,234,249; July 24; v. 240; p. 994.
- Signal-actuating mechanism. H. A. Hoeschen. No. 1,232,426; July 3; v. 240; p. 294.
- Signal and license-plate. Combined. E. Libby. No. 1,229,483; June 12; v. 239; p. 423.
- Signal apparatus. H. Csanyi. No. 1,251,184; Dec. 25; v. 245; p. 925.
- Signal apparatus. A. Giaccone. No. 1,234,535; July 24; v. 240; p. 1087.
- Signal apparatus. G. Jackson, Jr. No. 1,221,538; Apr. 3; v. 237; p. 189.
- Signal apparatus. E. Mayer and W. M. Correll. No. 1,240,075; Sept. 11; v. 242; p. 456.
- Signal apparatus. C. G. Miller. No. 1,244,065; Oct. 23; v. 243; p. 920.
- Signal apparatus. J. Weigel. No. 1,220,036; Mar. 20; v. 236; p. 813.
- Signal apparatus, Vehicle. E. S. Shaw. No. 1,213,282; Jan. 23; v. 234; p. 1103.
- Signal-box. F. W. Cole. No. 1,210,765; Jan. 2; v. 234; p. 133.
- Signal-box having local alarm. F. W. Cole. No. 1,224,072; Apr. 24; v. 237; p. 1174.
- Signal-box, Non-interference successive. R. J. Gaskill. No. 1,215,515; Feb. 13; v. 235; p. 395.
- Signal-box, Successive non-interference. C. E. Beach. No. 1,210,398; Jan. 2; v. 234; p. 6.
- Signal-box, Successive non-interference. F. W. Cole. No. 1,244,587; Oct. 30; v. 243; p. 1117.
- Signal device. E. Aufero. No. 1,226,624; May 22; v. 238; p. 991.
- Signal device. D. J. Cook. No. 1,233,646; July 17; v. 240; p. 764.
- Signal device. G. Fox and T. M. Jewett. No. 1,237,320; Aug. 21; v. 241; p. 646.
- Signal device. J. T. McGrath. No. 1,249,795; Dec. 11; v. 245; p. 427.
- Signal device. W. W. Steffy and H. B. Steckel. No. 1,227,975; May 29; v. 238; p. 1477.
- Signal device. C. Von Gizinsky. No. 1,233,002; July 10; v. 240; p. 517.
- Signal device, Acoustic. W. P. Reiboldt and F. W. Beyen. No. 1,230,602; June 19; v. 239; p. 832.
- Signal device, Automatic. G. C. Martin. No. 1,215,042; Feb. 6; v. 235; p. 198.
- Signal device, Semaphore. R. P. Tuttle. No. 1,216,020; Feb. 13; v. 235; p. 578.
- Signal impulses, Transmitting and receiving high-frequency. F. K. Vreeland. No. 1,245,166; Nov. 6; v. 244; p. 7.
- Signal mechanism. S. Milano. No. 1,242,575; Oct. 9; v. 243; p. 393.
- Signal mechanism. P. E. Oswald. No. 1,238,323; Aug. 28; p. 241; p. 1002.
- Signal mechanism. F. H. Sleeper. No. 1,242,058; Oct. 2; v. 243; p. 187.
- Signal-operating device. A. A. Gottfried. No. 1,215,521; Feb. 13; v. 235; p. 397.
- Signal-operating mechanism. M. Merkel. No. 1,245,757; Nov. 6; v. 244; p. 185.
- Signal-operating mechanism. C. Riener. No. 1,240,370; Sept. 18; v. 242; p. 589.
- Signal-rod guide and support. J. A. Keesey. No. 1,251,239; Dec. 25; v. 245; p. 941.
- Signal-rod guide and support. J. A. Keesey. No. 1,251,240; Dec. 25; v. 245; p. 941.
- Signal switch, Electric vehicle. V. M. Grummons. No. 1,245,707; Nov. 6; v. 244; p. 171.
- Signal system. M. E. Launbranch. No. 1,243,308; Oct. 16; v. 243; p. 657.
- Signal system and control therefor. F. E. Boardman. No. 1,217,558; Feb. 27; v. 235; p. 1211.
- Signal system, Automatic safety. M. Weil. No. 1,247,915; Nov. 27; v. 244; p. 916.
- Signal system, Auxiliary supervisory. H. M. Bascom. No. 1,228,167; May 29; v. 238; p. 1538.
- Signal system, Cab. R. J. Hewett. No. 1,229,957; June 12; v. 239; p. 580.
- Signal system, Electric. N. H. Suren. No. 1,248,749; Dec. 4; v. 245; p. 95.
- Signal system, Safety. G. P. Thurber. No. 1,232,442; July 3; v. 240; p. 299.
- Signal system, Warning. F. W. Wood. No. 1,232,745; July 10; v. 240; p. 435.
- Signal-transmitter. B. F. Merritt. No. 1,218,796; Mar. 13; v. 236; p. 355.
- Signal-transmitter, Electrical. J. McFell. No. 1,233,679; July 17; v. 240; p. 774.
- Signal transmitter, Variable. C. E. Beach and H. W. Dougherty. No. 1,237,234; Aug. 14; v. 241; p. 579.
- Signals and the like, Operating mechanism for. W. Sparks. No. 1,239,055; Sept. 4; v. 242; p. 107.
- Signals given on the line, Device for repeating on the engine the. C. Chevallier. No. 1,230,671; June 19; v. 239; p. 853.
- Signals, Gong mechanism for automatic. G. C. Martin. No. 1,217,476; Feb. 27; v. 235; p. 1179.
- Signals, Method of and means for transmitting. J. R. Carson. No. 1,243,705; Oct. 23; v. 243; p. 808.
- Signaling and braking device for trains, Automatic safety. J. F. McCoy. No. 1,215,952; Feb. 13; v. 235; p. 554.
- Signaling apparatus. H. G. Brown. No. 1,233,443; July 17; v. 240; p. 696.
- Signaling apparatus. J. L. Cayer, F. E. McDonald, and J. W. Eskholme. No. 1,236,541; Aug. 14; v. 241; p. 357.
- Signaling apparatus. G. A. Cole. No. 1,231,331; June 26; v. 239; p. 1114.
- Signaling apparatus. P. V. Kolff. No. 1,242,816; Oct. 9; v. 243; p. 469.
- Signaling apparatus. F. W. Lohr. No. 1,244,873; Oct. 30; v. 243; p. 1202.

Alphabetical list of inventions—Continued.

- Signaling apparatus. W. H. Stevens. No. 1,221,621; Apr. 3; v. 237; p. 216.
- Signaling apparatus. C. A. Stevenson and J. Moyes. No. 1,218,225; Mar. 6; v. 236; p. 118.
- Signaling apparatus. H. R. Worthington. No. 1,238,975; Sept. 4; v. 242; p. 82.
- Signaling apparatus, Alarm. O. H. Tracy. No. 1,217,241; Feb. 27; v. 235; p. 1097.
- Signaling apparatus. Electric. F. S. Tucker. No. 1,239,141; Sept. 4; v. 242; p. 135.
- Signaling apparatus, Fishing. L. D. Evans. No. 1,220,017; Mar. 27; v. 236; p. 1056.
- Signaling apparatus for the protection of stations and block-posts. N. V. Diechmann. No. 1,213,598; Jan. 23; v. 234; p. 1215.
- Signaling apparatus, Highway. E. W. Vogel. No. 1,238,848; Sept. 4; v. 242; p. 41.
- Signaling apparatus, Selective. L. M. Potts. No. 1,229,201; June 5; v. 239; p. 278.
- Signaling apparatus, Table-lever for electric. E. W. Vogel. No. 1,247,753; Nov. 27; v. 244; p. 870.
- Signaling device. E. A. Bartecki. No. 1,233,833; July 17; v. 240; p. 823.
- Signaling device. J. R. Casper. No. 1,228,095; May 29; v. 238; p. 1517.
- Signaling device. P. Dorsey. No. 1,226,755; May 22; v. 238; p. 1034.
- Signaling device. W. E. Headley, Jr. No. 1,242,690; Oct. 9; v. 243; p. 429.
- Signaling device. G. J. and C. F. Kloeffer. No. 1,215,169; Feb. 6; v. 235; p. 239.
- Signaling device. A. J. Kloneck. No. 1,223,589; Apr. 24; v. 237; p. 1006.
- Signaling device. C. O. Louthan. No. 1,223,060; Apr. 17; v. 237; p. 792.
- Signaling device. R. H. Manson. No. 1,218,099; Mar. 6; v. 236; p. 73.
- Signaling device. J. P. McBride. No. 1,231,179; June 26; v. 239; p. 1064.
- Signaling device. M. D. Miller. No. 1,249,451; Dec. 11; v. 245; p. 326.
- Signaling device. R. Nobuoka. No. 1,219,346; Mar. 13; v. 236; p. 544.
- Signaling device. J. F. Pereti. No. 1,217,628; Feb. 27; v. 235; p. 1235.
- Signaling device. F. B. Perry. No. 1,238,937; Sept. 4; v. 242; p. 69.
- Signaling device. C. Reinker. No. 1,231,298; June 26; v. 239; p. 1103.
- Signaling device. C. G. Weber. No. 1,234,588; July 24; v. 240; p. 1103.
- Signaling device. J. Wolfson. No. 1,226,429; May 15; v. 238; p. 890.
- Signaling device, Audible. J. R. Simpson. No. 1,220,280; Mar. 27; v. 236; p. 938.
- Signaling device, Audible. J. B. Victor. No. 1,237,842; Aug. 21; v. 241; p. 813.
- Signaling device, Automatic. G. S. Gumaer. No. 1,223,965; Apr. 24; v. 237; p. 1138.
- Signaling device, Electric. G. W. Comer. No. 1,229,035; June 5; v. 239; p. 222.
- Signaling device, Electrical. W. W. Dean. No. 1,243,047; Oct. 16; v. 243; p. 577.
- Signaling device, Microphonic. J. Gardner. No. 1,225,429; May 8; v. 238; p. 508.
- Signaling for mine-boists, System of. M. A. Whiting. No. 1,242,625; Oct. 9; v. 243; p. 408.
- Signaling kit, Flagman's. E. Cure. No. 1,227,587; May 29; Gaz. vol. 238; p. 1342.
- Signaling mechanism. F. J. Matchette. No. 1,222,965; Apr. 17; v. 237; p. 759.
- Signaling mechanism. H. E. Reeve. No. 1,221,377; Apr. 3; v. 237; p. 132.
- Signaling, Safety. H. N. C. Christie. No. 1,227,387; May 22; v. 238; p. 1247.
- Signaling system. H. M. Bascom. No. 1,211,044; Jan. 2; v. 234; p. 231.
- Signaling system. C. E. Beach. No. 1,240,811; Sept. 25; v. 242; p. 757.
- Signaling system. C. E. Beach. No. 1,250,769; Dec. 18; v. 245; p. 752.
- Signaling system. C. E. Beach. (Reissue.) No. 1,427,3; Mar. 20; v. 236; p. 863.
- Signaling system. J. C. Francis. No. 1,239,381; Sept. 4; v. 242; p. 211.
- Signaling system. B. Gherardi. No. 1,251,363; Dec. 25; v. 245; p. 978.
- Signaling system. R. J. Hewett. No. 1,216,231; Feb. 13; v. 235; p. 654.
- Signaling system. J. F. D. Hoge. No. 1,236,434; Aug. 14; v. 241; p. 322.
- Signaling system. R. M. Hopkins. No. 1,215,658; Feb. 13; v. 235; p. 450.
- Signaling system. M. L. Johnson. No. 1,218,563; Mar. 6; v. 236; p. 232.
- Signaling system. C. F. Mead. No. 1,249,162; Dec. 4; v. 245; p. 212.
- Signaling system. C. P. Nachod. No. 1,223,413; Apr. 24; v. 237; p. 943.
- Signaling system. C. P. Nachod. No. 1,223,511; Apr. 24; v. 237; p. 980.
- Signaling system. C. P. Nachod. No. 1,225,736; May 8; v. 238; p. 610.
- Signaling system. A. H. Rudd. No. 1,214,375; Jan. 30; v. 234; p. 1511.
- Signaling system. H. O. Rugb. No. 1,219,666; Mar. 20; v. 236; p. 686.
- Signaling system. S. S. A. Watkins. No. 1,249,570; Dec. 11; v. 245; p. 360.
- Signaling system, Electric. E. W. Adams. No. 1,245,417; Nov. 6; v. 244; p. 82.
- Signaling system, Electric. H. P. Clausen. No. 1,232,499; July 10; v. 240; p. 354.
- Signaling system, Electric. R. J. Hewett. No. 1,219,554; Mar. 20; v. 236; p. 647.
- Signaling system, Electric. H. Hubbell. No. 1,229,463; June 12; v. 239; p. 416.
- Signaling system, Electric. P. Kamiński and O. Schneider. No. 1,215,815; Feb. 13; v. 235; p. 504.
- Signaling system, Electric. S. M. Ward, Jr. No. 1,241,062; Sept. 25; v. 242; p. 836.
- Signaling system, Electric. S. M. Ward, Jr. No. 1,241,063; Sept. 25; v. 242; p. 836.
- Signaling system, Electrical. E. F. Gardner. No. 1,233,046; July 10; v. 240; p. 531.
- Signaling, System of space. J. C. Armor. No. 1,219,215; Mar. 13; v. 236; p. 498.
- Signaling, System of space. J. C. Armor. No. 1,219,216; Mar. 13; v. 236; p. 499.
- Signaling system, Party-line. H. M. Bascom. No. 1,211,274; Jan. 2; v. 234; p. 310.
- Signaling system, Police. L. W. Miller. No. 1,218,682; Mar. 13; v. 236; p. 312.
- Signaling system, Selective. L. E. Coon. No. 1,250,804; Dec. 18; v. 245; p. 764.
- Signaling system, Selective. J. B. Harlow. No. 1,210,642; Jan. 2; v. 234; p. 92.
- Signaling system, Selective. J. A. Hulit. No. 1,221,801; Apr. 3; v. 237; p. 277.
- Signaling system, Selective. A. E. Lundell. No. 1,244,998; Oct. 30; v. 243; p. 1240.
- Signaling system, Selective. F. N. Reeves. No. 1,218,804; Mar. 13; v. 236; p. 358.
- Signaling systems, Circuit-closer for automatic. C. L. Bopp. No. 1,215,242; Feb. 6; v. 235; p. 265.
- Signaling, Wireless. L. Cohen. No. 1,220,072; Mar. 20; v. 236; p. 827.
- Signature-gatherer. E. R. Kast. No. 1,236,181; Aug. 7; v. 241; p. 210.
- Signature-handling device. M. Christensen. No. 1,236,909; Aug. 14; v. 241; p. 477.
- Signature-handling machine. H. M. Barber. No. 1,248,789; Dec. 4; v. 245; p. 108.
- Silencer. J. Flockhart. No. 1,229,434; June 12; v. 239; p. 406.
- Silica, Treating. I. Rosenblum. No. 1,229,324; June 12; v. 239; p. 369.
- Silicates, Decomposing. H. W. Charlton. No. 1,234,626; July 24; v. 240; p. 1115.
- Silicates, Decomposing. L. L. Jackson. No. 1,233,273; July 10; v. 240; p. 604.
- Silk and other threads, Apparatus for treating artificial. M. Linfoot. No. 1,229,101; June 5; v. 239; p. 244.
- Silk and similar material, Apparatus for holding. C. Plva. No. 1,230,511; June 19; v. 239; p. 801.
- Silk, Apparatus used in the manufacture of artificial. J. Clayton. No. 1,240,675; Sept. 18; v. 242; p. 683.
- Silk, Device to be employed in making funnels, or thread-guides, for use in machines for the manufacture of artificial. J. Clayton. No. 1,224,071; Apr. 24; v. 237; p. 1174.
- Silk filaments and silk fabrics in form of hanks, Apparatus for the weighting of. P. Schmid. No. 1,231,436; June 26; v. 239; p. 1150.
- Silk-finishing machine. G. P. Vuono. No. 1,212,854; Jan. 16; v. 234; p. 922.
- Silk machines, Thread-guide for artificial. J. Clayton. No. 1,224,070; Apr. 24; v. 237; p. 1173.
- Silk, Producing artificial. K. Kishi. No. 1,231,172; June 26; v. 239; p. 1062.
- Silk, Weighting of. N. A. Laury. No. 1,238,307; Aug. 28; v. 241; p. 997.
- Silo. E. J. Abbett. No. 1,228,278; May 29; v. 238; p. 1574.
- Silo. L. R. Abercrombie. No. 1,250,936; Dec. 25; v. 245; p. 853.
- Silo. F. L. Adams. No. 1,232,161; July 3; v. 240; p. 212.
- Silo. J. D. Bobbitt. No. 1,214,418; Jan. 30; v. 234; p. 1524.
- Silo. W. A. Caldwell. No. 1,242,420; Oct. 9; v. 243; p. 343.
- Silo. G. M. Cheney. No. 1,236,053; Aug. 7; v. 241; p. 171.
- Silo. F. Clinton. No. 1,214,426; Jan. 30; v. 234; p. 1527.
- Silo. O. A. Coons. No. 1,222,849; Apr. 17; v. 237; p. 719.
- Silo. W. Craine. No. 1,212,911; Jan. 16; v. 234; p. 941.
- Silo. F. W. Cronmeyer. No. 1,218,240; Mar. 6; v. 236; p. 124.
- Silo. J. E. Green. No. 1,220,978; Mar. 27; v. 236; p. 1177.
- Silo. F. Greenwood. No. 1,237,202; Aug. 14; v. 241; p. 568.
- Silo. F. C. Hall. No. 1,240,135; Sept. 11; v. 242; p. 475.
- Silo. R. Hartenberger. No. 1,220,106; Mar. 20; v. 236; p. 839.

- Silo. E. R. Holland and G. A. Henderson. No. 1,251,230; Dec. 25; v. 245; p. 938.
- Silo. J. J. Holmes. No. 1,247,958; Nov. 27; v. 244; p. 929.
- Silo. F. Knack. No. 1,246,281; Nov. 13; v. 244; p. 370.
- Silo. P. C. Lorcher. No. 1,244,220; Oct. 23; v. 243; p. 967.
- Silo. J. W. Peirce and C. L. Hannah. No. 1,210,688; Jan. 2; v. 234; p. 108.
- Silo. L. M. Peterson. No. 1,215,983; Feb. 13; v. 235; p. 564.
- Silo. R. H. Quick. No. 1,232,604; July 10; v. 240; p. 386.
- Silo. C. H. Shaver. No. 1,234,941; July 31; v. 240; p. 1247.
- Silo. B. H. Shilling. No. 1,249,218; Dec. 4; v. 245; p. 228.
- Silo. J. T. Wells. No. 1,236,516; Aug. 14; v. 241; p. 349.
- Silo and door therefor. V. S. Bauder. No. 1,243,129; Oct. 16; v. 243; p. 602.
- Silo-bracing. J. M. Houff. No. 1,220,227; Mar. 27; v. 236; p. 918.
- Silo construction. P. A. Dietz. No. 1,246,564; Nov. 13; v. 244; p. 456.
- Silo construction. C. J. Perkins. No. 1,227,928; May 29; v. 238; p. 1459.
- Silo construction. Q. B. Pierson. No. 1,212,397; Jan. 16; v. 234; p. 761.
- Silo construction. C. H. Snow, Sr. No. 1,210,716; Jan. 2; v. 234; p. 118.
- Silo construction. C. Wolf. No. 1,240,284; Sept. 18; v. 242; p. 562.
- Silo-door. R. B. Clark. No. 1,211,287; Jan. 2; v. 234; p. 314.
- Silo-door. J. R. Freeze. No. 1,243,829; Oct. 23; v. 243; p. 850.
- Silo-door. A. W. Woodward. No. 1,221,942; Apr. 10; v. 237; p. 361.
- Silo-door construction. H. and J. Wampach. No. 1,247,186; Nov. 20; v. 244; p. 673.
- Silo-door frame. M. L. King. No. 1,249,970; Dec. 11; v. 245; p. 477.
- Silo-door hanger. E. J. Wahl. No. 1,221,492; Apr. 3; v. 237; p. 172.
- Silo-doors, Mounting for. E. J. Wahlberg. No. 1,221,779; Apr. 3; v. 237; p. 269.
- Silo-elevator. S. O. Bumgarner. No. 1,240,935; Sept. 25; v. 242; p. 798.
- Silo-fillers, Casing for. T. S. Langford and F. F. Billings. No. 1,234,353; July 24; v. 240; p. 1027.
- Silo-filling pipes, Holder for. J. A. Oppedal. No. 1,219,034; Mar. 13; v. 236; p. 437.
- Silo, Metal. C. H. Snow, Sr. No. 1,210,717; Jan. 2; v. 234; p. 118.
- Silo-packer. H. S. Keys. No. 1,217,957; Mar. 6; v. 236; p. 25.
- Silo-roof. F. H. Douthitt. No. 1,240,182; Sept. 18; v. 242; p. 528.
- Silo-roof. J. Patterson. No. 1,232,388; July 3; v. 240; p. 282.
- Silo-roof. C. J. Perkins. No. 1,221,373; Apr. 3; v. 237; p. 131.
- Silo roof and seal. F. B. Crawford. No. 1,213,592; Jan. 23; v. 234; p. 1213.
- Silo-staves, Spline-dowel for. F. P. Cory. No. 1,212,327; Jan. 16; v. 234; p. 738.
- Silo-tamper. I. Anderson. No. 1,214,872; Feb. 6; v. 235; p. 135.
- Silo-tamping device. H. Myers. No. 1,243,754; Oct. 23; v. 243; p. 826.
- Silo-wall construction. Pit. R. E. Dill. No. 1,222,586; Apr. 10; v. 237; p. 589.
- Silos and the like, Lug for. E. C. Tecktonius. No. 1,212,420; Jan. 16; v. 234; p. 770.
- Silos, Device for use in erecting. H. A. Smith. No. 1,218,008; Mar. 6; v. 236; p. 42.
- Silos, Ensilage-tamping device for. G. W. Cisco and J. E. Hall. No. 1,214,896; Feb. 6; v. 235; p. 144.
- Silos, Ladder device for. J. F. McGaffee. No. 1,231,037; June 26; v. 239; p. 1016.
- Silos, Roof and cap for. C. H. Snow, Sr. No. 1,210,718; Jan. 2; v. 234; p. 118.
- Silver compound of the acridin series and making same. F. Hüsey and M. Hartmann. No. 1,227,624; May 29; v. 238; p. 1356.
- Simplex joint. A. St. James. No. 1,219,183; Mar. 13; v. 236; p. 487.
- Sine-bar. F. Muller. No. 1,231,185; June 26; v. 239; p. 1066.
- Sine-bars and similar implements, Holder for. F. Muller. No. 1,217,487; Feb. 27; v. 235; p. 1184.
- Sink, &c., trap. A. A. Nagel. No. 1,238,802; Sept. 4; v. 242; p. 26.
- Sinks, &c., Apparatus for cleaning. E. Guillot. No. 1,228,320; May 29; v. 238; p. 1589.
- Sinks, Splash-board for. T. W. Carney. No. 1,221,137; Apr. 3; v. 237; p. 47.
- Sintering. A. J. Boynton and A. E. Sands. No. 1,245,183; Nov. 6; v. 244; p. 12.
- Sintering apparatus. F. A. Eustis. No. 1,212,333; Jan. 16; v. 234; p. 739.
- Siphon. W. T. Anderson. No. 1,211,523; Jan. 9; v. 234; p. 426.
- Siphon. C. A. Barrow and J. Karpen. No. 1,240,532; Sept. 18; v. 242; p. 639.
- Siphon. J. F. Brown. No. 1,241,916; Oct. 2; v. 243; p. 144.
- Siphon. N. M. Chandler. No. 1,211,085; Jan. 2; v. 234; p. 244.
- Siphon. J. F. McMann. No. 1,224,477; May 1; v. 238; p. 131.
- Siphon. H. L. Wilson. No. 1,230,971; June 26; v. 239; p. 993.
- Siphon-control apparatus. J. Rudolph. No. 1,250,023; Dec. 11; v. 245; p. 491.
- Siphon. Flush-tank. J. W. Berry. No. 1,235,641; Aug. 7; v. 241; p. 36.
- Siphon-head. P. Crovo. No. 1,238,271; Aug. 28; v. 241; p. 935.
- Siphon-regulator, Automatic. C. H. Henderson. No. 1,235,816; July 31; v. 240; p. 1361.
- Siphon, Tank-. P. Cook and W. E. Wine. No. 1,229,720; June 12; v. 239; p. 502.
- Siphon, Vacuum-. T. F. Mechling. No. 1,250,928; Dec. 18; v. 245; p. 800.
- Siren. P. Bossu. No. 1,213,732; Jan. 23; v. 234; p. 1259.
- Siren. H. C. Heath. No. 1,238,291; Aug. 28; v. 241; p. 992.
- Siren. A. C. Woodward. No. 1,245,299; Nov. 6; v. 244; p. 47.
- Sizer and grader. A. M. O'Quinn. No. 1,249,179; Dec. 4; v. 245; p. 216.
- Sizing device, Automatic. C. T. Raule. No. 1,225,858; May 15; v. 238; p. 695.
- Sizing-machine. B. F. Tussing. No. 1,219,056; Mar. 13; v. 236; p. 445.
- Sizing solution and making the same. M. N. Aisen. No. 1,224,125; May 1; v. 238; p. 3.
- Skate. W. Conron. (Reissue.) No. 1,42,599; Feb. 13; v. 235; p. 664.
- Skate. C. J. Hoven. No. 1,217,450; Feb. 27; v. 235; p. 1171.
- Skate. J. H. Kessler. No. 1,249,115; Dec. 4; v. 245; p. 198.
- Skate. J. King. No. 1,245,737; Nov. 6; v. 244; p. 180.
- Skate. D. B. McNamce. No. 1,240,232; Sept. 18; v. 242; p. 546.
- Skate. O. Staff. No. 1,224,802; May 1; v. 238; p. 243.
- Skate. G. W. Taylor. No. 1,224,688; May 1; v. 238; p. 204.
- Skate-clamp. H. E. Kalanquin. No. 1,219,004; Mar. 13; v. 236; p. 428.
- Skate, Convertible roller and ice. F. M. Kuchtik. No. 1,243,077; Oct. 16; v. 243; p. 588.
- Skate-holder. J. H. Ferodowill. No. 1,213,609; Jan. 23; v. 234; p. 1218.
- Skate, Ice-. C. L. Falstrem and J. A. Bragg. No. 1,228,544; June 5; v. 239; p. 58.
- Skate, Ice-. W. Oelschlägel. No. 1,218,451; Mar. 6; v. 236; p. 195.
- Skate, Ice-. M. A. Wachs. No. 1,212,855; Jan. 16; v. 234; p. 922.
- Skate, Roller-. F. M. Dore. No. 1,211,557; Jan. 9; v. 234; p. 439.
- Skate, Roller-. E. E. Hardy. No. 1,228,111; May 29; v. 238; p. 1522.
- Skate, Roller-. J. Hartman. No. 1,217,761; Feb. 27; v. 235; p. 1280.
- Skate, Roller-. F. W. Hill. No. 1,216,690; Feb. 20; v. 235; p. 865.
- Skate, Skee-. G. L. Jacques. No. 1,223,882; Apr. 24; v. 237; p. 1111.
- Skate, Snow-. J. E. Buork. No. 1,213,739; Jan. 23; v. 234; p. 1260.
- Skate-wheels and the like, Composition of matter for. J. W. Talbot. No. 1,248,033; Nov. 27; v. 244; p. 948.
- Skates, Riding attachment for roller-. E. S. Egge. No. 1,247,801; Nov. 27; v. 244; p. 885.
- Skates, Stop mechanism for roller-. A. O. Konietzky. No. 1,230,491; June 19; v. 239; p. 793.
- Skee. G. Michaud and W. E. Gurtner. No. 1,235,713; Aug. 7; v. 241; p. 58.
- Skee-skate. G. L. Jacques. No. 1,222,767; Apr. 17; v. 237; p. 692.
- Skein-holder. W. J. Meyer. No. 1,219,658; Mar. 20; v. 236; p. 682.
- Skein-holder. N. K. Peterson. No. 1,218,457; Mar. 6; v. 236; p. 197.
- Sketching and drawing apparatus. C. Thomson. No. 1,218,964; Mar. 13; v. 237; p. 413.
- Sketching kit, Artists'. F. Christensen. No. 1,221,510; Apr. 3; v. 237; p. 179.
- Skimmer, Boiler-. W. J. Bauer. No. 1,246,252; Nov. 13; v. 244; p. 444.
- Skimmer, Boiler-. N. Schreiber and R. Rosenthal. No. 1,222,564; Apr. 10; v. 237; p. 580.
- Skin, hide and leather working machine. F. Wayland. No. 1,214,852; Feb. 6; v. 235; p. 127.
- Skinning-knife. B. H. Hartman. No. 1,241,969; Oct. 2; v. 243; p. 159.
- Skinning-machine. R. J. Watson and A. E. Ozeuf. No. 1,223,129; Apr. 17; v. 237; p. 815.
- Skinning-tool. F. Jackson. No. 1,239,489; Sept. 11; v. 242; p. 273.
- Skirt attachment, Dress-. M. S. Cole. No. 1,233,030; July 10; v. 240; p. 526.

Alphabetical list of inventions—Continued.

- Skirt-band fastening. N. Klaus and E. W. Bookhart. No. 1,227,274; May 22; v. 238; p. 1212.
- Skirt, Bloomer-. M. Philip. No. 1,250,004; Dec. 11; v. 245; p. 486.
- Skirt-fastener. C. M. Geiger. No. 1,225,613; May 8; v. 238; p. 570.
- Skirt, Flounced. C. Lutz. No. 1,221,198; Apr. 3; v. 237; p. 70.
- Skirt-gage. E. J. Howell. No. 1,236,084; Aug. 7; v. 241; p. 179.
- Skirt-gage. L. V. Watkins. No. 1,213,313; Jan. 23; v. 234; p. 1116.
- Skirt, Gymnasium-. M. Markun. No. 1,226,100; May 15; v. 238; p. 778.
- Shirt-hanger. C. R. Lendle. No. 1,247,551; Nov. 20; v. 244; p. 777.
- Skirt, Light proof and sanitary. S. Moscow. No. 1,228,807; June 5; v. 239; p. 148.
- Skirt-marker. E. M. Hitchcock and E. C. Holler. No. 1,229,958; June 12; v. 239; p. 580.
- Skirt-marker. E. Levin. No. 1,237,664; Aug. 21; v. 241; p. 758.
- Skirt-marker. E. Naber. No. 1,219,343; Mar. 13; v. 236; p. 542.
- Skirt-marker. W. D. Walker. No. 1,248,959; Dec. 4; v. 245; p. 155.
- Skirt-marker. A. Winkler. No. 1,235,175; July 31; v. 240; p. 1318.
- Skiving-knife. A. Latham. No. 1,232,428; July 3; v. 240; p. 295.
- Skiving-machine. A. M. Alexander. No. 1,218,614; Mar. 13; v. 236; p. 289.
- Skiving-machine. A. M. Alexander. No. 1,247,780; Nov. 27; v. 244; p. 879.
- Skiving-machine. E. E. Lane. No. 1,235,983; Aug. 7; v. 241; p. 149.
- Skiving-machine. A. Latham. No. 1,218,673; Mar. 13; v. 236; p. 309.
- Skiving-machine. W. F. Lautenschlager. No. 1,210,815; Jan. 2; v. 234; p. 150.
- Skiving or trimming machines, Rotary cutter for. M. T. Denne. No. 1,230,875; June 26; v. 239; p. 960.
- Skylight. T. M. Metzger. No. 1,239,421; Sept. 4; v. 242; p. 223.
- Skylight. C. C. Rysdon. No. 1,236,008; Aug. 7; v. 241; p. 157.
- Skylight. C. O. Whitnell. No. 1,233,530; July 17; v. 240; p. 725.
- Skylight and ventilating means for hog-houses. C. O. Whitnell. No. 1,216,194; Feb. 13; v. 235; p. 641.
- Skylight construction. M. Silverman. No. 1,219,177; Mar. 13; v. 236; p. 485.
- Skylight, Sectional. B. Goldman. No. 1,220,219; Mar. 27; v. 236; p. 916.
- Slack-adjuster. C. B. Alexander. No. 1,229,855; June 12; v. 239; p. 548.
- Slack-adjuster. W. H. Sauvage. No. 1,213,779; Jan. 23; v. 234; p. 1274.
- Slack-adjuster. W. H. Sauvage. No. 1,227,940; May 29; v. 238; p. 1464.
- Slack-adjuster. W. H. Sauvage. No. 1,227,941; May 29; v. 238; p. 1464.
- Slack-adjuster. W. H. Sauvage. No. 1,227,942; May 29; v. 238; p. 1465.
- Slack-adjuster. W. H. Sauvage. No. 1,227,943; May 29; v. 238; p. 1465.
- Slack-adjuster. W. H. Sauvage. No. 1,227,944; May 29; v. 238; p. 1466.
- Slack-adjuster. W. H. Sauvage. No. 1,227,945; May 29; v. 238; p. 1466.
- Slack-adjuster. W. H. Sauvage. No. 1,227,946; May 29; v. 238; p. 1466.
- Slack-adjuster. W. H. Sauvage. No. 1,227,947; May 29; v. 238; p. 1467.
- Slack-adjuster. W. H. Sauvage. No. 1,227,948; May 29; v. 238; p. 1467.
- Slack-adjuster. W. H. Sauvage. No. 1,227,949; May 29; v. 238; p. 1468.
- Slack-adjuster. W. H. Sauvage. No. 1,227,950; May 29; v. 238; p. 1468.
- Slack-adjuster. W. H. Sauvage. No. 1,227,951; May 29; v. 238; p. 1468.
- Slack-adjuster. W. H. Sauvage. No. 1,227,952; May 29; v. 238; p. 1469.
- Slack-adjuster. W. H. Sauvage. No. 1,227,953; May 29; v. 238; p. 1469.
- Slack-adjuster. W. H. Sauvage. No. 1,227,954; May 29; v. 238; p. 1470.
- Slack-adjuster. W. H. Sauvage. No. 1,227,955; May 29; v. 238; p. 1470.
- Slack-adjuster. W. H. Sauvage. No. 1,227,956; May 29; v. 238; p. 1470.
- Slack-adjuster. W. H. Sauvage. No. 1,227,957; May 29; v. 238; p. 1471.
- Slack-adjuster. W. H. Sauvage. No. 1,227,958; May 29; v. 238; p. 1471.
- Slack-adjuster. W. H. Sauvage. No. 1,227,959; May 29; v. 238; p. 1472.
- Slack-adjuster. W. H. Sauvage. No. 1,227,960; May 29; v. 238; p. 1472.
- Slack-adjuster. W. H. Sauvage. No. 1,227,961; May 29; v. 238; p. 1472.
- Slack-take-up and cooling device, Automatic. F. C. Smith. No. 1,226,713; May 22; v. 238; p. 1019.
- Slack-take-up mechanism. A. J. Kirstin. No. 1,210,657; Jan. 2; v. 234; p. 98.
- Slags, Treating. J. B. Herreshoff, Jr. No. 1,231,349; June 26; v. 239; p. 1120.
- Slate blocks, Apparatus for splitting. A. Chauvin. No. 1,217,152; Feb. 27; v. 235; p. 1068.
- Slate, Covered writing or drawing. R. Robertson. No. 1,238,569; Aug. 28; v. 241; p. 1082.
- Slate-splitting tool. V. F. Lake. No. 1,229,622; June 12; v. 239; p. 471.
- Slate-trimming machines, Guard for. D. C. Sherman. No. 1,235,068; July 31; v. 240; p. 1286.
- Sled. H. L. Bergeron. No. 1,217,903; Mar. 6; v. 236; p. 6.
- Sled. O. O. Brothen. No. 1,220,822; Mar. 27; v. 236; p. 1127.
- Sled. E. H. Ewertz. No. 1,247,098; Nov. 20; v. 244; p. 648.
- Sled. S. S. Griffin. No. 1,238,285; Aug. 28; v. 241; p. 990.
- Sled. E. L. Nylund. No. 1,238,431; Aug. 28; v. 241; p. 1037.
- Sled. P. W. Palm. No. 1,221,898; Apr. 10; v. 237; p. 345.
- Sled. O. Pearson. No. 1,244,075; Oct. 23; v. 243; p. 923.
- Sled. O. J. Tubbs. No. 1,225,529; May 8; v. 238; p. 540.
- Sled and go-cart, Combined. U. A. Webley. No. 1,233,735; July 17; v. 240; p. 792.
- Sled and wheeled vehicle, Combined. C. Z. Miller and R. H. Klickman. No. 1,217,200; Feb. 27; v. 235; p. 1084.
- Sled, Bicycle. G. Schwittai and H. Davidovitz. No. 1,242,990; Oct. 16; v. 243; p. 559.
- Sled, Bob-. D. Y. Hallock. No. 1,212,212; Jan. 16; v. 234; p. 693.
- Sled, Bob-. K. Takemi. No. 1,216,009; Feb. 13; v. 235; p. 574.
- Sled-brake. J. Blaszczyk. No. 1,244,460; Oct. 30; v. 243; p. 1077.
- Sled, Coasting-. T. T. Hart. No. 1,245,227; Nov. 6; v. 244; p. 26.
- Sled driving and brake mechanism. E. Hjartarson. No. 1,234,027; July 17; v. 240; p. 885.
- Sled, Flexible. J. B. Jordan. No. 1,226,672; May 22; v. 238; p. 1006.
- Sled, Motor-. F. R. Burch. No. 1,228,093; May 29; v. 238; p. 1516.
- Sled, Motor-. G. Schnurr. No. 1,220,278; Mar. 27; v. 236; p. 937.
- Sled, Motor-driven. D. S. Krohn. No. 1,243,612; Oct. 16; v. 243; p. 747.
- Sled propulsion device, Motor-. R. J. Desmarais. No. 1,216,962; Feb. 20; v. 235; p. 957.
- Sled-runner. M. C. Newman. No. 1,234,200; July 24; v. 240; p. 977.
- Sled runner, Bob-. D. Plattner and R. H. Yale. No. 1,222,322; Apr. 10; v. 237; p. 493.
- Sled-runner roller. W. E. Bute. No. 1,227,882; May 29; v. 238; p. 1444.
- Sled steering device. L. R. and A. P. Bourdon. No. 1,242,514; Oct. 9; v. 243; p. 372.
- Sleds, Driving mechanism for auto-. J. E. Ollivier. No. 1,225,999; May 15; v. 238; p. 742.
- Sleepers, Means for arousing. J. H. Leal. No. 1,215,666; Feb. 13; v. 235; p. 453.
- Sleeping-bag. P. V. Barnes. No. 1,241,699; Oct. 2; v. 243; p. 74.
- Sleeve, Garment-. J. B. Scolponeti. No. 1,214,228; Jan. 30; v. 234; p. 1458.
- Sleeve-protector and advertising device. T. L. Hogan. No. 1,227,052; May 22; v. 238; p. 1137.
- Sleeve-valve engine. F. R. Porter. No. 1,214,822; Feb. 6; v. 235; p. 117.
- Sleigh. C. Pritchard. No. 1,219,042; Mar. 13; v. 236; p. 441.
- Sleigh. C. L. Sheridan. No. 1,230,809; June 19; v. 239; p. 899.
- Sleigh attachment. C. J. Fussner. No. 1,229,058; June 5; v. 239; p. 229.
- Sleigh attachment for motor-vehicles. T. E. Patterson. No. 1,247,571; Nov. 20; v. 244; p. 782.
- Sleigh attachment for vehicles. W. G. Clark. No. 1,232,222; July 3; v. 240; p. 230.
- Sleigh-brake. J. O. Deschamps. No. 1,227,397; May 22; v. 238; p. 1250.
- Sleigh, Coasting-. H. Wenninghoff and J. E. Hughes. No. 1,247,046; Nov. 20; v. 244; p. 632.
- Sleigh, Motor-. S. Banic. No. 1,228,088; May 29; v. 238; p. 1515.
- Sleigh, Motor-. R. D. Burchill. No. 1,210,899; Jan. 2; v. 234; p. 180.
- Sleigh, Motor-. E. Forrest. No. 1,210,922; Jan. 2; v. 234; p. 188.
- Sleigh, Motor-. G. Horniachek. No. 1,232,802; July 10; v. 240; p. 453.
- Sleigh, Motor-. D. Huffman. No. 1,210,477; Jan. 2; v. 234; p. 34.
- Sleigh, Motor-. M. P. Marong. No. 1,229,999; June 12; v. 239; p. 592.
- Sleigh, Motor-driven. J. Miller. No. 1,242,963; Oct. 16; v. 243; p. 550.
- Sleigh, Motor-. M. Petersen. No. 1,211,345; Jan. 2; v. 234; p. 331.

- Sleigh-runner. F. Jonish. No. 1,212,496; Jan. 16; v. 234; p. 796.
- Sleigh-runner attachment. A. Wells. No. 1,250,739; Dec. 18; v. 245; p. 744.
- Sleigh-runners. Wheel attachment for. J. L. Ratner. No. 1,238,333; Aug. 28; v. 241; p. 1006.
- Sleigh, Self-propelled. S. Weinberg. No. 1,213,715; Jan. 23; v. 234; p. 1253.
- Sleigh steering-gear. Motor-. P. H. Smith. No. 1,223,210; Apr. 17; v. 237; p. 843.
- Slide holder. Last-. J. Hopkinson. No. 1,223,879; Apr. 24; v. 237; p. 1110.
- Slicer and corer. Apple. J. Segerc. No. 1,250,676; Dec. 18; v. 245; p. 725.
- Slicer. Bacon-. E. C. Firebaugh. No. 1,212,924; Jan. 16; v. 234; p. 946.
- Slicer. Bread-. J. F. Decker and F. Ralmer. No. 1,217,717; Feb. 27; v. 235; p. 1265.
- Slicer. Bread-. W. H. Garlock and W. J. Stubbe. No. 1,212,045; Jan. 9; v. 234; p. 608.
- Slicer. Bread-. F. McLaughlin. No. 1,211,328; Jan. 2; v. 234; p. 326.
- Slicer. Corn-. A. H. Zorger. No. 1,213,056; Jan. 16; v. 234; p. 992.
- Slicer. Meat-. C. R. Miller and T. A. Key. No. 1,214,939; Feb. 6; v. 235; p. 160.
- Slicer. Vegetable-. U. S. Hicks. No. 1,212,055; Jan. 9; v. 234; p. 611.
- Slicer. Vegetable-. G. S. Matthews. No. 1,215,296; Feb. 6; v. 235; p. 283.
- Slicer. Vegetable-. E. P. Norton. No. 1,213,681; Jan. 23; v. 234; p. 1242.
- Slicer. Vegetable-. K. Smith. No. 1,215,731; Feb. 13; v. 235; p. 474.
- Slicing fish. Device for. J. L. Allen. No. 1,223,550; Apr. 24; v. 237; p. 994.
- Slicing-machine. V. Dobbins. No. 1,243,390; Oct. 16; v. 243; p. 679.
- Slicing-machine. G. W. Drew. No. 1,242,881; Oct. 9; v. 243; p. 490.
- Slicing-machine. J. M. Peterson. No. 1,243,867; Oct. 23; v. 243; p. 861.
- Slicing-machine. J. C. Van Perkel. No. 1,236,791; Aug. 14; v. 241; p. 441.
- Slicing-machine. W. R. Wolff and E. K. Hood. No. 1,228,509; June 5; v. 239; p. 46.
- Slicing machine. Fruit-. G. W. Drew. No. 1,244,038; Oct. 23; v. 243; p. 913.
- Slicing machine. Meat-. P. M. Anderson. No. 1,227,233; May 22; v. 238; p. 1199.
- Slicing machine. Meat-. F. E. Hodderson-Balling. No. 1,235,318; July 31; v. 240; p. 1361.
- Slicing machine. Meat-. J. Hopkinson and C. H. Maltby. No. 1,210,476; Jan. 2; v. 234; p. 33.
- Slicing machines. Backplate for meat-. H. Stukart. No. 1,243,894; Oct. 23; v. 243; p. 870.
- Slicing-machines. Intermittent feeding mechanism for. W. R. Wolff and E. K. Hood. No. 1,224,989; May 8; v. 238; p. 358.
- Slicing-machines. Intermittent operating mechanism for. J. C. von Berkel. No. 1,247,909; Nov. 27; v. 244; p. 915.
- Slicing-machines. Meat-adjusting plate for. J. I. McCormick. No. 1,242,958; Oct. 16; v. 243; p. 548.
- Slicing-machines or the like. Gearing for. A. D. Marston. No. 1,228,578; June 5; v. 239; p. 69.
- Slicing meat. Vegetables &c. Machine for. H. C. Sander. No. 1,240,261; Sept. 18; v. 242; p. 555.
- Slide-bolt. A. A. Walters. No. 1,228,996; June 5; v. 239; p. 209.
- Slide-presenting machine. D. U. Billings. No. 1,226,177; May 15; v. 238; p. 804.
- Sliding-law wrench. P. Glista and W. G. Zilinsky. No. 1,238,507; Aug. 28; v. 241; p. 1061.
- Sling. O. Crosby. No. 1,224,148; May 1; v. 238; p. 11.
- Sling. Animal-. A. Byrd and C. R. Treadway. No. 1,233,309; July 17; v. 240; p. 651.
- Sling, Hoisting and similar. C. C. Sunderland and R. D. Green. No. 1,218,714; Mar. 13; v. 236; p. 324.
- Sling-lock. Half-hitch. T. Pinske. No. 1,222,025; Apr. 10; v. 237; p. 389.
- Sling-tripping device. P. Poteet and D. F. Jeffrey. No. 1,230,515; June 19; v. 239; p. 802.
- Slip-comparing demonstrator. M. O. Reeves. No. 1,242,863; Oct. 9; v. 243; p. 484.
- Slip-cover can. S. H. Curran. No. 1,214,899; Feb. 6; v. 235; p. 145.
- Slip-folding machine. J. T. Heaney. No. 1,237,514; Aug. 21; v. 241; p. 709.
- Slip or bill holder. J. E. Wildman. No. 1,227,719; May 29; v. 238; p. 1388.
- Slip-ring. J. Tepfer. No. 1,250,109; Dec. 11; v. 245; p. 516.
- Slip. Sectional. W. G. Knapp. No. 1,234,041; July 17; v. 240; p. 890.
- Slip-socket. Combination. S. Bullum. No. 1,244,289; Oct. 23; v. 243; p. 989.
- Slipper. M. Gustin. No. 1,244,197; Oct. 23; v. 243; p. 959.
- Slitting-shears. A. R. McArthur. No. 1,238,312; Aug. 28; v. 241; p. 999.
- Sliver-cleaner for fliers. E. F. Benoit. No. 1,222,840; Apr. 17; v. 237; p. 716.
- Slot-closure device. J. Berg. No. 1,247,208; Nov. 20; v. 244; p. 680.
- Slot-machine. J. H. Egan. No. 1,213,849; Jan. 30; v. 234; p. 1330.
- Slotting-cutter. R. T. Hazelton and W. H. Vockell. No. 1,250,869; Dec. 18; v. 245; p. 783.
- Slug-casting machines. Matrix for. P. T. Dodge. No. 1,231,861; July 3; v. 240; p. 109.
- Slug-casting machines. Quad-block for. G. B. Fields. No. 1,231,870; July 3; v. 240; p. 112.
- Slugging or nailing machine. M. T. Denne. No. 1,250,989; Dec. 25; v. 245; p. 869.
- Slugging or nailing machines. Horn-operating mechanism for use in. M. T. Denne. No. 1,250,988; Dec. 25; v. 245; p. 869.
- Slurry. Treatment of. C. Pontoppidan. No. 1,242,236; Oct. 9; v. 243; p. 285.
- Small-arms. Sighting of. W. Youlten. No. 1,226,935; May 22; v. 238; p. 1095.
- Smelter. Continuous zinc-. W. M. Johnson. No. 1,244,504; Oct. 30; v. 243; p. 1090.
- Smelting. N. Testrup and T. Rigby. No. 1,233,144; July 10; v. 240; p. 563.
- Smelting-furnace. J. Kirby. No. 1,222,636; Apr. 17; v. 237; p. 647.
- Smelting-furnace. E. Ruck. No. 1,223,738; Apr. 24; v. 237; p. 1060.
- Smelting-furnace. Oil or gas burning. O. P. Moore. No. 1,225,470; May 8; v. 238; p. 522.
- Smelting furnace. Ore-. C. J. Beaver and E. A. Claremont. No. 1,243,798; Oct. 23; v. 243; p. 840.
- Smelting furnace. Zinc-. J. W. and H. Hegeler. No. 1,227,050; May 22; v. 238; p. 1136.
- Smelting ores. Process of and apparatus for. G. W. Wright. No. 1,211,805; Jan. 9; v. 234; p. 524.
- Smelting process and apparatus. E. A. Mathers. No. 1,242,833; Oct. 9; v. 243; p. 474.
- Smoke-consumer and fuel-economizer. S. H. Pudney. No. 1,230,776; June 19; v. 239; p. 889.
- Smoke-handling apparatus. A. Fernandez. No. 1,232,669; July 10; v. 240; p. 409.
- Smoke-house. C. T. Lenzke. No. 1,229,298; June 12; v. 239; p. 361.
- Smoke-jack. S. A. Williams. No. 1,244,156; Oct. 23; v. 243; p. 947.
- Smoke-preventer. R. Bailey. No. 1,248,990; Dec. 4; v. 245; p. 163.
- Smoke-preventer. H. G. Kosel. No. 1,227,057; May 22; v. 238; p. 1138.
- Smoke-producing compound. W. Arthur. No. 1,244,940; Oct. 30; v. 243; p. 1223.
- Smoker's kit. J. F. Jeckert. No. 1,227,444; May 22; v. 238; p. 1264.
- Smoker's pouch. H. H. Scott. No. 1,244,905; Oct. 30; v. 243; p. 1212.
- Smoker's stand. H. C. Botty, Jr., and C. M. Prior. No. 1,237,014; Aug. 14; v. 241; p. 511.
- Smoking device. J. J. Halata. No. 1,249,073; Dec. 4; v. 245; p. 187.
- Smoking-pipe. W. M. Baechtel. No. 1,241,462; Sept. 25; v. 242; p. 961.
- Smoking-pipe. J. D. Burger. No. 1,214,887; Feb. 6; v. 235; p. 141.
- Smoking-pipe. S. A. Carter. No. 1,245,316; Nov. 6; v. 244; p. 53.
- Smoking-pipe. G. W. Conley. No. 1,236,545; Aug. 14; v. 241; p. 359.
- Smoking-pipe. J. A. Irving. No. 1,221,864; Apr. 10; v. 237; p. 332.
- Smoking-pipe. W. C. Rogers. No. 1,213,021; Jan. 16; v. 234; p. 981.
- Smoking-pipe. W. H. Straw. No. 1,226,922; May 22; v. 238; p. 1091.
- Smoking-pipe. W. Westenfield. No. 1,245,078; Oct. 30; v. 243; p. 1264.
- Smoking-pipe and supporting combustion in same. J. W. Bolte. No. 1,223,757; Apr. 24; v. 237; p. 1067.
- Smoking pipes. Automatic apparatus for cleaning tobacco-. S. Kuprel. No. 1,213,215; Jan. 23; v. 234; p. 1080.
- Smokeless oven-furnace. J. G. Broman. No. 1,220,394; Mar. 27; v. 236; p. 979.
- Smoothing-iron. F. Beatty. No. 1,227,736; May 29; v. 238; p. 1394.
- Smoothing-iron holder. J. Herzl. No. 1,232,544; July 10; v. 240; p. 368.
- Smut-machine. C. McKinney. No. 1,211,734; Jan. 9; v. 234; p. 497.
- Snap control. Thermostatic. H. J. Long. No. 1,231,527; June 26; v. 239; p. 1177.
- Snap-fastening. E. L. Anderson. No. 1,211,810; Jan. 9; v. 234; p. 526.
- Snap-hook. C. A. Brislawn. No. 1,240,662; Sept. 18; v. 242; p. 679.
- Snap-hook. G. A. Collett. No. 1,243,590; Oct. 16; v. 243; p. 739.
- Snap-hook. C. P. Gardner. No. 1,223,957; Apr. 24; v. 237; p. 1136.
- Snap-hook. L. E. Holcom. No. 1,224,744; May 1; v. 238; p. 224.
- Snap-hook. G. K. Hurlbut. No. 1,231,742; July 3; v. 240; p. 70.
- Snap-hook. A. A. Johnson. No. 1,235,480; July 31; v. 240; p. 1408.
- Snap-hook. E. F. Kuhns. No. 1,250,596; Dec. 18; v. 245; p. 703.

Alphabetical list of inventions—Continued.

- Snap-hook. J. Listiak. No. 1,223,812; Apr. 24; v. 237; p. 1087.
- Snap-hook. G. E. Prentice. No. 1,251,415; Dec. 25; v. 245; p. 993.
- Snap-hook. F. E. Scharlow. No. 1,245,275; Nov. 6; v. 244; p. 39.
- Snap-hook. W. L. Smith. No. 1,240,381; Sept. 18; v. 242; p. 593.
- Snap-hook or the like. H. A. Sievert. No. 1,236,014; Aug. 7; v. 241; p. 160.
- Snap, Safety-. A. F. Anderson. No. 1,228,513; June 5; v. 239; p. 48.
- Snap-switch. F. W. and W. A. Marschke. No. 1,229,635; June 12; v. 239; p. 474.
- Snap-switch. A. Holzhauer, Jr. No. 1,232,311; July 3; v. 240; p. 259.
- Snap-switches. Push-button connection for. M. Guett. No. 1,230,480; June 19; v. 239; p. 790.
- Snathe-nibs. Fastening means for. H. B. Hewitt. No. 1,245,917; Nov. 6; v. 244; p. 234.
- Snoring. Device for preventing. G. A. Foster. No. 1,216,679; Feb. 20; v. 235; p. 862.
- Snow and ice plow for railways. Hard-. J. W. Von Neida. No. 1,228,080; May 29; v. 238; p. 1512.
- Snow and ice remover. C. Suydam. No. 1,241,779; Oct. 2; v. 243; p. 98.
- Snow-cutter. J. E. Dallen. No. 1,235,445; July 31; v. 240; p. 1397.
- Snow-guard. W. J. Baird. No. 1,230,363; June 19; v. 239; p. 752.
- Snow-guard. E. E. Hestand. No. 1,222,953; Apr. 17; v. 237; p. 755.
- Snow-melter. J. Carrillo. No. 1,215,620; Feb. 13; v. 235; p. 436.
- Snow-melter. W. T. Erickson. No. 1,243,497; Oct. 16; v. 243; p. 712.
- Snow-melter for railways. W. H. Dean. No. 1,244,300; Oct. 23; v. 243; p. 992.
- Snow-plow. A. Dahlin. No. 1,213,752; Jan. 23; v. 234; p. 1265.
- Snow-plow. M. M. Domek. No. 1,215,008; Feb. 6; v. 235; p. 187.
- Snow-plow. B. F. Erwin. No. 1,243,926; Oct. 23; v. 243; p. 879.
- Snow-plow. M. B. Ganung. No. 1,218,075; Mar. 6; v. 236; p. 65.
- Snow-plow. J. D. Morris. No. 1,214,942; Feb. 6; v. 235; p. 161.
- Snow-plow. C. A. Splayford. No. 1,243,355; Oct. 16; v. 243; p. 670.
- Snow-plow. A. H. Tallyn. No. 1,230,622; June 19; v. 239; p. 839.
- Snow-plow. Blower. C. F. Heitmann. No. 1,233,664; July 17; v. 240; p. 770.
- Snow-plow for road-vehicles. R. F. Stewart. No. 1,215,587; Feb. 13; v. 235; p. 424.
- Snow-remover. F. J. Borres. No. 1,211,280; Jan. 2; v. 234; p. 312.
- Snow-remover. C. Ferger. No. 1,241,102; Sept. 25; v. 242; p. 848.
- Snow-removing apparatus. S. D'Ignoti. No. 1,217,575; Feb. 27; v. 235; p. 1216.
- Snow-removing apparatus. S. Friedman. No. 1,242,433; Oct. 9; v. 243; p. 346.
- Snow-shoe harness. O. C. Tuttle. No. 1,230,447; June 19; v. 239; p. 778.
- Snow shovel and loader. E. C. Weaner. No. 1,214,397; Jan. 30; v. 234; p. 1519.
- Snow, storm-water, and sewage. Device for removing. L. Davidson. No. 1,224,448; May 1; v. 238; p. 121.
- Snow-tractor. O. C. Ermatinger. No. 1,217,729; Feb. 27; v. 235; p. 1269.
- Snubber. W. N. Barrett. No. 1,228,515; June 5; v. 239; p. 48.
- Soap. M. Spazier. No. 1,241,043; Sept. 25; v. 242; p. 830.
- Soap and candle and making the same. B. E. Reuter. No. 1,248,402; Nov. 27; v. 244; p. 1052.
- Soap and the like. Apparatus for cooling. H. Curland. No. 1,244,297; Oct. 23; v. 243; p. 991.
- Soap and washrag holder. Combined. C. E. Douglas. No. 1,233,993; July 17; v. 240; p. 875.
- Soap-dish. G. A. Mentel. No. 1,248,522; Dec. 4; v. 245; p. 27.
- Soap-dish. D. Riker. No. 1,227,318; May 22; v. 238; p. 1225.
- Soap-disk. Sanitary. O. Goetzke. No. 1,225,323; May 8; v. 238; p. 472.
- Soap-dispenser. J. P. Dillon. No. 1,224,285; May 1; v. 238; p. 62.
- Soap-dispenser. W. F. Hatch. No. 1,246,916; Nov. 20; v. 244; p. 596.
- Soap-dispenser. J. W. Jacobson. No. 1,223,172; Apr. 17; v. 237; p. 831.
- Soap dispenser. Liquid-. M. G. Melvin. No. 1,215,298; Feb. 6; v. 235; p. 283.
- Soap-dispensing device. F. Hess. No. 1,249,957; Dec. 11; v. 245; p. 474.
- Soap-dispensing device. Liquid-. E. G. Watrous. No. 1,229,556; June 12; v. 239; p. 448.
- Soap-dispensing machine. A. G. Wise. No. 1,219,364; Mar. 13; v. 236; p. 550.
- Soap fixture. Liquid-. E. G. Watrous. No. 1,242,398; Oct. 9; v. 243; p. 336.
- Soap-holder. O. L. Bray. No. 1,219,370; Mar. 13; v. 236; p. 552.
- Soap-holder. J. L. Hessong. No. 1,239,392; Sept. 4; v. 242; p. 215.
- Soap-holder. F. A. McKinney. No. 1,251,071; Dec. 25; v. 245; p. 892.
- Soap-holder. J. C. Rissling. No. 1,237,699; Aug. 21; v. 241; p. 769.
- Soap-holder. J. Wirth. No. 1,221,939; Apr. 10; v. 237; p. 360.
- Soap-holder. Sanitary. J. G. Baker. No. 1,235,415; July 31; v. 240; p. 1390.
- Soap-holder support. B. W. Ferguson. No. 1,227,046; May 22; v. 238; p. 1135.
- Soap-holding device. J. K. Atkinson. No. 1,242,905; Oct. 16; v. 243; p. 531.
- Soap-powder dispenser. F. C. Osborn. No. 1,226,803; May 22; v. 238; p. 1052.
- Soap-press. B. H. Becker and J. Ciesla. No. 1,231,693; July 3; v. 240; p. 53.
- Soap-receptacle. S. D. Baker. No. 1,239,076; Sept. 4; v. 242; p. 114.
- Soap-receptacle. F. Rautzenburg. No. 1,211,353; Jan. 2; v. 234; p. 334.
- Soap-receptable bath-spray. R. Swimmer. No. 1,248,573; Dec. 4; v. 245; p. 43.
- Soap, Recovering. H. M. Gray. No. 1,242,435; Oct. 9; v. 243; p. 347.
- Soaps. Making soft transparent sodium oil-. J. W. Ryder. No. 1,212,818; Jan. 16; v. 234; p. 910.
- Soaping device. C. M. Campbell. No. 1,250,089; Dec. 11; v. 245; p. 511.
- Sock-supporter. H. A. Davis. No. 1,216,288; Feb. 20; v. 235; p. 725.
- Socks or stockings. Making. F. Cecka. No. 1,219,252; Mar. 13; v. 236; p. 511.
- Socket. H. G. Pape. No. 1,223,417; Apr. 24; v. 237; p. 955.
- Socket and handle for an air-pressure gage and hose connector. Combined. F. B. Charroin. No. 1,239,769; Sept. 11; v. 242; p. 362.
- Socket-cover. H. Northwood. No. 1,217,489; Feb. 27; v. 235; p. 1185.
- Socket-cover. H. Northwood. No. 1,225,049; May 8; v. 238; p. 378.
- Socket, Extension-. R. B. Benjamin. (Reissue.) No. 14,343; Aug. 21; v. 241; p. 887.
- Socket-wrench. Adjustable. O. E. Simon. No. 1,248,025; Nov. 27; v. 244; p. 946.
- Sod-remover. G. H. Payne. No. 1,230,320; June 19; v. 239; p. 737.
- Sodium bisulfite. Production of. T. W. S. Hutchins. L. Hargreaves, and A. C. Dunningham. No. 1,216,452; Feb. 20; v. 235; p. 783.
- Sodium chlorid from liquors containing it and sodium nitrate in solution. Separating. I. B. Hobshawm and J. L. Grigioni. No. 1,230,162; June 19; v. 239; p. 684.
- Sodium hydroxid. Production of. C. S. Bradley. No. 1,249,314; Dec. 11; v. 245; p. 288.
- Sodium nitrate from liquors containing it and sodium chlorid in solution. Recovering. I. B. Hobshawm and J. L. Grigioni. No. 1,230,163; June 19; v. 239; p. 685.
- Sodium percarbonate. Manufacture of. W. Weber and F. Noll. No. 1,237,128; Aug. 14; v. 241; p. 548.
- Sodium silico-fluorid. Making. K. F. Stahl. No. 1,247,165; Nov. 20; v. 244; p. 668.
- Sodium thiosulfate. Manufacture of. T. W. S. Hutchins, L. Hargreaves, and A. C. Dunningham. No. 1,219,819; Mar. 20; v. 236; p. 739.
- Soil. Amelioration of. H. P. Hayden. No. 1,228,361; May 29; v. 238; p. 1603.
- Soil for cultivation. Method of and apparatus for preparing. E. A. Boldt. No. 1,241,816; Oct. 2; v. 243; p. 111.
- Soil packer and mulsher. Double-gang. R. E. Dunham. No. 1,250,570; Dec. 18; v. 245; p. 695.
- Soil-pipe-sealing device for closet-bowls and the like. C. H. Muckenhirn. No. 1,218,201; Mar. 6; v. 236; p. 109.
- Soil-tester. C. L. Quear. No. 1,233,505; July 17; v. 240; p. 717.
- Soil-tester. H. M. Spahr. No. 1,229,803; June 12; v. 239; p. 530.
- Soil-treating apparatus. J. Steelquist. No. 1,247,166; Nov. 20; v. 244; p. 668.
- Solar device. B. C. Goff. No. 1,220,091; Mar. 20; v. 236; p. 834.
- Solar heater. W. J. Bailey. No. 1,242,511; Oct. 9; v. 243; p. 371.
- Solar heater. G. Wilcox. No. 1,250,260; Dec. 18; v. 245; p. 602.
- Solder-heating tool. J. O. Parker. No. 1,224,011; Apr. 24; v. 237; p. 1155.
- Soldering appliance. J. N. Haven. No. 1,215,802; Feb. 13; v. 235; p. 499.
- Soldering compound. G. Gardiner. No. 1,239,785; Sept. 11; v. 242; p. 369.
- Soldering compound. F. E. J. Litot. No. 1,224,941; May 8; v. 238; p. 343.
- Soldering compound. Aluminum-. C. A. Stewart. No. 1,222,158; Apr. 10; v. 237; p. 436.
- Soldering compound for various metals. W. Brierly and N. R. Moore. No. 1,245,862; Nov. 6; v. 244; p. 218.

- Soldering device. R. C. Bradley. No. 1,214,420; Jan. 30; v. 234; p. 1525.
- Soldering device for cables. P. F. Sindeler. No. 1,242,610; Oct. 9; v. 243; p. 405.
- Soldering-iron. W. A. Biltonen. No. 1,233,963; July 17; v. 240; p. 866.
- Soldering-iron. R. Kuhn. No. 1,214,186; Jan. 30; v. 234; p. 1443.
- Soldering-iron. F. Moench. No. 1,221,566; Apr. 3; v. 237; p. 199.
- Soldering-iron. H. C. Self. No. 1,233,614; July 17; v. 240; p. 755.
- Soldering-iron, Case-magazine. R. M. Tilton. No. 1,232,734; July 10; v. 240; p. 431.
- Soldering-iron, Electric. G. F. Browning. No. 1,237,290; Aug. 21; v. 241; p. 636.
- Soldering-iron, Electric. J. T. Griffin. No. 1,250,856; Dec. 18; v. 245; p. 779.
- Soldering-iron, Electric. W. F. Hosford. No. 1,248,122; Nov. 27; v. 244; p. 974.
- Soldering-iron, Electric. H. A. Orme. No. 1,215,693; Feb. 13; v. 235; p. 462.
- Soldering iron or copper. C. M. Edwards. No. 1,218,636; Mar. 13; v. 236; p. 296.
- Soldering-iron, Self-heating. N. Martel and J. E. Rascoe. No. 1,230,915; June 26; v. 239; p. 972.
- Soldering-irons, Electrical heating attachment for. J. G. Clemens. No. 1,223,669; Apr. 24; v. 237; p. 1036.
- Soldering machine. Can. W. Cameron. No. 1,223,557; Apr. 24; v. 237; p. 996.
- Soldering machine. Can. L. J. Leffler. No. 1,244,105; Oct. 23; v. 243; p. 933.
- Soldering metals. Solder for. J. Lavine. No. 1,248,506; Dec. 4; v. 245; p. 22.
- Soldering of aluminum or aluminium alloys. W. Overend. No. 1,233,803; July 17; v. 240; p. 813.
- Soldering-tool. T. W. Moericke. No. 1,234,557; July 24; v. 240; p. 1094.
- Soldering-tool, Electrically-heated. L. Holcomb. No. 1,238,671; Aug. 28; v. 241; p. 1112.
- Soldering-torch. W. Willis. No. 1,248,769; Dec. 4; v. 245; p. 101.
- Sole and making same. Shoe. F. Alonso é Yzaguirre and J. Y. Villa. No. 1,236,244; Aug. 7; v. 241; p. 231.
- Sole, Boot and shoe. J. A. Ford. No. 1,214,666; Feb. 6; v. 235; p. 65.
- Sole, Calked. J. H. Jasper. No. 1,246,929; Nov. 20; v. 244; p. 600.
- Sole-channeling machine. F. E. Bertrand. No. 1,236,660; Aug. 14; v. 241; p. 397.
- Sole-clamping means, Holding device for. G. E. Brittain. No. 1,250,550; Dec. 18; v. 245; p. 689.
- Sole construction, Boot and shoe. A. Miklea. No. 1,247,132; Nov. 20; v. 244; p. 658.
- Sole-cutting machine. Shoe. T. H. Graydon. No. 1,236,425; Aug. 14; v. 241; p. 319.
- Sole-fitting machine. A. E. Johnson. No. 1,245,594; Nov. 6; v. 244; p. 138.
- Sole-fitting machine. M. E. Johnson. No. 1,237,523; Aug. 21; v. 241; p. 712.
- Sole, Fleece slipper. E. W. Kelley. No. 1,231,263; June 26; v. 239; p. 1091.
- Sole for boots and shoes. R. B. Price. No. 1,242,977; Oct. 16; v. 243; p. 555.
- Sole for boots and shoes. W. B. Wiegand and T. H. Rieder. No. 1,249,702; Dec. 11; v. 245; p. 399.
- Sole for footwear. M. E. Benjamin. No. 1,249,000; Dec. 4; v. 245; p. 166.
- Sole for rubber shoes. S. W. Bourn. No. 1,214,889; Feb. 6; v. 235; p. 142.
- Sole for shoes, Intermediate. H. C. Tysse. No. 1,221,632; Apr. 3; v. 237; p. 219.
- Sole-gage for boots and shoes. J. J. Heys. No. 1,229,265; June 12; v. 239; p. 349.
- Sole-gouging device. O. Fern. No. 1,247,519; Nov. 20; v. 244; p. 768.
- Sole, Metal shoe. E. A. Benson. No. 1,210,587; Jan. 2; v. 234; p. 73.
- Sole-pattern, Adjustable. J. H. Geier. No. 1,239,475; Sept. 11; v. 242; p. 269.
- Sole, Pieced outer. O. C. Davis. No. 1,239,361; Sept. 4; v. 242; p. 205.
- Sole-pressing machine. J. J. Heys. No. 1,222,866; Apr. 17; v. 237; p. 726.
- Sole-pressing machine. W. C. Stewart. No. 1,250,378; Dec. 18; v. 245; p. 636.
- Sole-pressing machine. S. J. Wentworth. No. 1,236,636; Aug. 14; v. 241; p. 388.
- Sole-pressing machines. Gage mechanism for. E. N. Preble. No. 1,221,214; Apr. 3; v. 237; p. 76.
- Sole-pressing mechanism. H. A. Davenport. No. 1,218,064; Mar. 6; v. 236; p. 61.
- Sole, Reinforced rubber. O. C. Davis. No. 1,232,509; July 10; v. 240; p. 358.
- Sole-rounder pattern. A. F. Littlefield. No. 1,239,798; Sept. 11; v. 242; p. 372.
- Sole rounding and cutting machine. S. A. Dobyne. No. 1,245,091; Oct. 30; v. 243; p. 1269.
- Sole, Shoe. L. F. Montgomery. No. 1,212,985; Jan. 16; v. 234; p. 968.
- Sole, Shoe. J. E. O'Hara. No. 1,241,142; Sept. 25; v. 242; p. 861.
- Sole, Shoe. G. L. Pierce. No. 1,242,233; Oct. 9; v. 243; p. 284.
- Sole, Slipper. J. H. Wallace. No. 1,215,751; Feb. 13; v. 235; p. 481.
- Sole-stamping apparatus. Shoe. J. F. G. Sell. No. 1,214,085; Jan. 30; v. 234; p. 1411.
- Sole-stock or composition material, Artificial. R. D. Bel-den. No. 1,250,418; Dec. 18; v. 245; p. 649.
- Sole, Turn-shoe. F. Chateaufneuf. No. 1,216,073; Feb. 13; v. 235; p. 598.
- Sole, Welt inner. A. J. Le Clair. No. 1,222,309; Apr. 10; v. 237; p. 489.
- Soles and heels of boots and shoes, India-rubber pad for the. W. W. Phillips. No. 1,214,065; Jan. 30; v. 234; p. 1405.
- Soles, Holder for stacks of. G. E. Britain. No. 1,247,214; Nov. 20; v. 244; p. 682.
- Soles, Machine for making laminated. J. E. Mitchell and D. Parks. No. 1,223,894; Apr. 24; v. 237; p. 1115.
- Soles, Machine for measuring and marking shoe. T. O'Brien. No. 1,217,208; Feb. 27; v. 235; p. 1087.
- Soles, Machine for operating on. A. E. Johnson. No. 1,213,770; Jan. 23; v. 234; p. 1271.
- Soles, Machine for operating on. A. E. Johnson. No. 1,218,561; Mar. 6; v. 236; p. 232.
- Soles, Machine for operating on shoe. F. Chateaufneuf. No. 1,216,072; Feb. 13; v. 235; p. 597.
- Soles, Machine for operating on shoe. F. N. La Chapelle. No. 1,217,122; Feb. 20; v. 235; p. 1013.
- Soles, Machine for use in repairing boot and shoe. T. Waters. No. 1,250,057; Dec. 11; v. 245; p. 501.
- Soles of boots and shoes, Machine for burnishing the edges of the. Z. Beaudry. No. 1,226,941; May 22; v. 238; p. 1098.
- Soles of boots and shoes, Machine for operating on the. H. H. Eaton. No. 1,222,855; Apr. 17; v. 237; p. 721.
- Soles of shoes and the like, Wear-plate for the. L. Weinstein. No. 1,245,647; Nov. 6; v. 244; p. 154.
- Soles, Preparing. R. E. Bartels. No. 1,237,152; Aug. 14; v. 241; p. 554.
- Soles, Preparing. E. E. Bertrand. No. 1,236,661; Aug. 14; v. 241; p. 397.
- Soles, Treatment of rubber. C. Lee. No. 1,232,573; July 10; v. 240; p. 377.
- Solenoid. G. A. Burnham. No. 1,226,748; May 22; v. 238; p. 1032.
- Solenoid-operated switch. C. J. Hendrickson. No. 1,247,399; Nov. 20; v. 244; p. 734.
- Solid matters from fluids or fluids from fluids, Apparatus for separating. F. E. Moss. No. 1,240,081; Sept. 11; v. 242; p. 458.
- Solids from liquids, Apparatus for separating. W. Russell. No. 1,214,593; Feb. 6; v. 235; p. 38.
- Solids from liquids, Process of and apparatus for separating. P. T. Sharples. No. 1,232,104; July 3; v. 240; p. 192.
- Solids of different specific gravities, Separating. A. Nagelvoort. No. 1,244,885; Oct. 30; v. 243; p. 1206.
- Soluble cake for insecticidal and fungicidal purposes and composition therefor. F. D. Houghton. No. 1,231,741; July 3; v. 240; p. 70.
- Solution having a low freezing-point. G. E. Ferguson. No. 1,243,149; Oct. 16; v. 243; p. 608.
- Solutions, emulsions, and the like, Thickening (condensing) or drying. F. Askenasy. No. 1,234,714; July 31; v. 240; p. 1177.
- Solvent for acetyl cellulose and process. W. G. Lindsay. No. 1,229,487; June 12; v. 239; p. 424.
- Solvent-recovering apparatus. F. Kniffen. No. 1,236,719; Aug. 14; v. 241; p. 418.
- Solvents, Apparatus for recovering. J. Lynah. No. 1,228,225; May 29; v. 238; p. 1557.
- Solvents, Recovering. T. Baker. No. 1,218,616; Mar. 13; v. 236; p. 289.
- Soot-remover. S. R. Morden. No. 1,242,838; Oct. 9; v. 243; p. 476.
- Sorting and gaging apparatus. W. Shaw. No. 1,226,917; May 22; v. 238; p. 1090.
- Sorting device. F. Carson. No. 1,245,086; Oct. 30; v. 243; p. 1267.
- Sorting heterogeneous material, Apparatus for. J. W. and D. R. Bryan. (Reissue). No. 1,246,667; Mar. 6; v. 236; p. 251.
- Sorting heterogeneous materials, Apparatus for. D. R. Bryan. No. 1,250,553; Dec. 18; v. 245; p. 690.
- Sorting-machine. G. W. Cox, Jr. No. 1,231,334; June 26; v. 239; p. 1115.
- Sorting-machine. H. Hollerith. No. 1,237,646; Aug. 21; v. 241; p. 751.
- Sorting-machine. J. R. Peirce. No. 1,219,767; Mar. 20; v. 236; p. 719.
- Sorting-machines. Split pin box for. J. Powers. No. 1,236,482; Aug. 14; v. 241; p. 338.
- Sound-absorbing material and making same. J. Comerma. No. 1,230,381; June 19; v. 239; p. 757.
- Sound-amplifier. W. W. Dean. No. 1,220,501; Mar. 27; v. 236; p. 1016.
- Sound-amplifier. B. Fritzsche. No. 1,223,338; Apr. 17; v. 237; p. 884.
- Sound-amplifier. K. B. Hastings. No. 1,246,594; Nov. 13; v. 244; p. 466.
- Sound and analogous phenomena and process and apparatus for producing the same, Record of pulsations of. C. E. Fritts. No. 1,213,614; Jan. 23; v. 234; p. 1220.

Alphabetical list of inventions—Continued.

- Sound and shock absorbing foot. N. H. Anderson. No. 1,214,256; Jan. 30; v. 234; p. 1468.
- Sound-box. H. L. Berger and F. C. Knochel. No. 1,248,062; Nov. 27; v. 244; p. 956.
- Sound-box. P. Dodge. No. 1,251,355; Dec. 25; v. 245; p. 976.
- Sound-box. A. D. Jones. No. 1,220,638; Mar. 27; v. 236; p. 1064.
- Sound-box. H. A. Myers. No. 1,234,198; July 24; v. 240; p. 977.
- Sound-box. F. S. Muckey. No. 1,236,970; Aug. 14; v. 241; p. 497.
- Sound-box. L. K. Scotford. No. 1,225,505; May 8; v. 238; p. 532.
- Sound-box. L. P. Valiquet. No. 1,238,056; Aug. 21; v. 241; p. 880.
- Sound-box adapter. A. Vasselli. No. 1,246,506; Nov. 13; v. 244; p. 439.
- Sound-box, Convertible. R. J. Prettie. No. 1,216,839; Feb. 20; v. 235; p. 916.
- Sound-box for sound-reproducing machines. P. Rudert. No. 1,226,262; May 15; v. 238; p. 836.
- Sound-box mounting. A. A. Huseby. No. 1,239,693; Sept. 11; v. 242; p. 339.
- Sound-boxes, Attachment for. H. Faust, Jr. No. 1,248,098; Nov. 27; v. 244; p. 966.
- Sound-boxes, Mounting diaphragms in. P. Dodge. No. 1,215,500; Feb. 13; v. 235; p. 339.
- Sound-clarifier for sound producing or reproducing instruments. C. W. Johnson. No. 1,240,050; Sept. 11; v. 242; p. 450.
- Sound-conducting aural device. R. B. Smart. No. 1,224,331; May 1; v. 238; p. 78.
- Sound-conveyer and tone-modulator. C. E. Woods. No. 1,226,839; May 22; v. 238; p. 1063.
- Sound-conveyer arm. E. G. Hayne. No. 1,240,342; Sept. 18; v. 242; p. 580.
- Sound-emitter. S. Evershed and W. D. Kilroy. No. 1,218,934; Mar. 13; v. 236; p. 404.
- Sound-localizer, Portable. B. M. Sahlein. No. 1,245,514; Nov. 6; v. 244; p. 112.
- Sound-modulating device. J. U. Poirier. No. 1,237,813; Aug. 21; v. 241; p. 803.
- Sound-producing apparatus. C. S. Gerlach. No. 1,241,956; Oct. 2; v. 243; p. 154.
- Sound-producing device. E. C. Bayer. No. 1,228,639; June 5; v. 239; p. 90.
- Sound-producing device. H. A. Van Valkenburg. No. 1,243,645; Oct. 16; v. 243; p. 757.
- Sound-producing machines, Circle-line-wave double disk record for. J. A. Sowell. No. 1,247,163; Nov. 20; v. 244; p. 668.
- Sound production. F. S. Muckey. No. 1,236,969; Aug. 14; v. 241; p. 497.
- Sound-record. V. H. Emerson. No. 1,213,468; Jan. 23; v. 234; p. 1169.
- Sound-record tablets, Shaving-machine for. F. L. Capps and J. J. Scully. No. 1,227,748; May 29; v. 238; p. 1398.
- Sound-records, Apparatus for making. C. E. Fritts. No. 1,213,615; Jan. 23; v. 234; p. 1220.
- Sound, Recording. R. L. Gibson. No. 1,228,901; June 5; v. 239; p. 179.
- Sound recording and reproducing machine. H. H. Brown. No. 1,213,625; Mar. 13; v. 236; p. 292.
- Sound-recording apparatus. R. L. Gibson. No. 1,228,902; June 5; v. 239; p. 179.
- Sound-recording machines, Cutting-tool for. A. N. Petit. No. 1,246,652; Nov. 13; v. 244; p. 483.
- Sound-reproducer. J. J. Comer. No. 1,230,676; June 19; v. 239; p. 855.
- Sound-reproducer. F. J. Porter. No. 1,238,566; Aug. 28; v. 241; p. 1081.
- Sound reproducer and arm, Universal. L. Taxon. No. 1,240,267; Sept. 18; v. 242; p. 557.
- Sound-reproducers, Diaphragm for. B. Fritzsch. No. 1,217,294; Feb. 27; v. 235; p. 1115.
- Sound-reproducing apparatus. S. D. Mott. No. 1,247,861; Nov. 27; v. 244; p. 901.
- Sound-reproducing device. M. L. Severy. No. 1,218,324; Mar. 6; v. 236; p. 153.
- Sound-reproducing instruments, Repeating attachment for. E. H. Josephson. No. 1,218,408; Mar. 6; v. 236; p. 180.
- Sound-reproducing machine. R. G. Brown. No. 1,221,003; Mar. 27; v. 236; p. 1185.
- Sound-reproducing machine. W. F. and J. F. Hitchcock. No. 1,249,398; Dec. 11; v. 245; p. 311.
- Sound-reproducing machine. L. P. Jackson. No. 1,232,924; July 10; v. 240; p. 493.
- Sound-reproducing machine. P. J. Packman. No. 1,250,637; Dec. 18; v. 245; p. 714.
- Sound-reproducing machine. H. T. Schiff. No. 1,231,435; June 26; v. 239; p. 1149.
- Sound-reproducing machine. H. T. Schiff. No. 1,246,474; Nov. 13; v. 244; p. 429.
- Sound-reproducing-machine stop. F. A. Nolan. No. 1,230,505; June 19; v. 239; p. 798.
- Sound-reproducing machines, Automatic stop for. O. H. Karch. No. 1,222,408; Apr. 10; v. 237; p. 525.
- Sound-reproducing machines, Automatic stop mechanism for. R. B. De Vere. No. 1,223,041; Apr. 17; v. 237; p. 785.
- Sound-reproducing machines, Automatic stopping device for. H. C. Miller. (Reissue.) No. 14,257; Feb. 6; v. 235; p. 296.
- Sound-reproducing machines, Lighting attachment for. G. E. Bernecker. No. 1,249,288; Dec. 4; v. 245; p. 249.
- Sound-reproducing machines, Record-cleaner for. J. N. Blackman. No. 1,248,063; Nov. 27; v. 244; p. 956.
- Sound-reproducing machines, Record-cleaner for. J. N. Blackman. No. 1,248,064; Nov. 27; v. 244; p. 956.
- Sound-reproducing machines, Resetting device for. T. Ahearn. No. 1,250,751; Dec. 18; v. 245; p. 748.
- Sound-reproducing machines, Stylus for. W. R. Whitney. No. 1,237,230; Aug. 14; v. 241; p. 578.
- Sound-reproducing machines, Tone-arm mounting for. H. C. Miller. (Reissue.) No. 14,305; May 22; v. 238; p. 1306.
- Sound-reproducing machines, Vibration-governing device for. W. J. Tanner. No. 1,215,744; Feb. 13; v. 235; p. 479.
- Sound-reproducing styli, Cutter for. E. R. Johnson. No. 1,229,469; June 12; v. 239; p. 419.
- Sound-reproducing stylus. J. C. Mercer. No. 1,221,348; Apr. 3; v. 237; p. 122.
- Sound-transmitting apparatus. A. E. Coy. No. 1,230,280; June 19; v. 239; p. 725.
- Sound-transmitting apparatus. A. E. Coy. No. 1,230,281; June 19; v. 239; p. 725.
- Sound-transmitting apparatus. A. D. Jones. No. 1,249,409; Dec. 11; v. 245; p. 314.
- Sounds and movements, Synchronization of machines for recording and reproducing. C. H. Verity. No. 1,245,834; Nov. 6; v. 244; p. 210.
- Sounding apparatus. E. G. Fisher. No. 1,244,485; Oct. 30; v. 243; p. 1084.
- Sounding apparatus. F. and G. F. Stevens. No. 1,233,522; July 17; v. 240; p. 723.
- Sounding device, Percussion. J. C. Deagan. No. 1,233,989; July 17; v. 240; p. 874.
- Space-marking device. D. W. Barmon. No. 1,249,301; Dec. 11; v. 245; p. 284.
- Spacing-table machine. G. P. Thomas. No. 1,245,530; Nov. 6; v. 244; p. 117.
- Spading-machine. I. L. Darby and G. H. Smith. No. 1,224,717; May 1; v. 238; p. 215.
- Spading-machine. D. M. Robinson. No. 1,238,341; Aug. 28; v. 241; p. 1008.
- Spaghettl-cutting device. D. Piculo. No. 1,217,341; Feb. 27; v. 235; p. 1131.
- Spark-adjusting attachment, Automatic. A. P. Hawn. No. 1,222,399; Apr. 10; v. 237; p. 521.
- Spark-arrester. C. W. Crowell. No. 1,229,588; June 12; v. 239; p. 459.
- Spark-arrester. A. E. Hudson. No. 1,223,388; Apr. 24; v. 237; p. 935.
- Spark-arrester. E. M. Kitchel. No. 1,237,791; Aug. 21; v. 241; p. 797.
- Spark-arrester. A. Lake. No. 1,215,288; Feb. 6; v. 235; p. 280.
- Spark-arrester. D. Welch. No. 1,237,130; Aug. 14; v. 241; p. 548.
- Spark-arrester. T. M. Van Horn. No. 1,241,059; Sept. 25; v. 242; p. 835.
- Spark-arrester for locomotives. E. J. Carter, A. Taylor, and J. S. Griffith. No. 1,243,708; Oct. 23; v. 243; p. 809.
- Spark-arrester, Stovepipe. E. Zimmerman. No. 1,245,303; Nov. 6; v. 244; p. 48.
- Spark-coil. J. A. Hall. No. 1,219,300; Mar. 13; v. 236; p. 527.
- Spark-coil and spark-plug tester. M. B. Thurber. No. 1,231,970; July 3; v. 240; p. 145.
- Spark-coil-testing device. H. P. Goerz. No. 1,244,049; Oct. 23; v. 243; p. 916.
- Spark-gap. C. E. Campbell. No. 1,231,489; June 26; v. 239; p. 1166.
- Spark-gap. F. W. Peck, Jr. No. 1,232,467; July 3; v. 240; p. 307.
- Spark-gap, Auxiliary. F. F. Hultgreen. No. 1,240,721; Sept. 18; v. 242; p. 696.
- Spark-gap machine, Rotary. C. H. Teall. No. 1,250,385; Dec. 18; v. 245; p. 638.
- Spark or cinder arrester or collector. I. J. Shifley and G. Wolfgang. No. 1,239,730; Sept. 11; v. 242; p. 351.
- Spark-plug. G. Anger. No. 1,246,376; Nov. 13; v. 244; p. 400.
- Spark-plug. D. L. Boggess. No. 1,215,611; Feb. 13; v. 235; p. 432.
- Spark-plug. E. Brandquist. No. 1,213,581; Jan. 23; v. 234; p. 1209.
- Spark-plug. G. L. Brewer. No. 1,249,316; Dec. 11; v. 245; p. 288.
- Spark-plug. A. P. Broomell. No. 1,244,416; Oct. 23; v. 243; p. 1025.
- Spark-plug. C. L. Bundy. No. 1,212,449; Jan. 16; v. 234; p. 779.
- Spark-plug. M. G. Bunnell. No. 1,229,409; June 12; v. 239; p. 398.
- Spark-plug. J. A. De Vilbiss. No. 1,246,890; Nov. 20; v. 244; p. 589.
- Spark-plug. A. J. Dinkel. No. 1,239,365; Sept. 4; v. 242; p. 206.
- Spark-plug. H. A. Dortch. No. 1,216,092; Feb. 13; v. 235; p. 605.

- Spark-plug. H. N. Eastman. No. 1,237,265; Aug. 14; v. 241; p. 590.
- Spark-plug. H. N. Eastman. No. 1,237,264; Aug. 14; v. 241; p. 590.
- Spark-plug. H. L. Flood. No. 1,246,735; Nov. 13; v. 244; p. 506.
- Spark-plug. G. L. Freeman. No. 1,230,287; June 19; v. 239; p. 727.
- Spark-plug. F. T. Gautier. No. 1,246,414; Nov. 13; v. 244; p. 411.
- Spark-plug. C. G. Harvey. No. 1,232,303; July 3; v. 240; p. 257.
- Spark-plug. G. L. Herz. No. 1,229,748; June 12; v. 239; p. 511.
- Spark-plug. H. H. Hoff and F. E. Talleur. No. 1,241,734; Oct. 2; v. 243; p. 86.
- Spark-plug. J. M. Hoffmann. No. 1,236,935; Aug. 14; v. 241; p. 486.
- Spark-plug. R. Hughes. No. 1,211,157; Jan. 2; v. 234; p. 267.
- Spark-plug. W. G. Jackson. No. 1,244,091; Oct. 23; v. 243; p. 928.
- Spark-plug. B. A. Jeffery. No. 1,232,038; July 3; v. 240; p. 170.
- Spark-plug. B. A. Jeffery. No. 1,232,039; July 3; v. 240; p. 170.
- Spark-plug. J. A. and B. A. Jeffery. No. 1,214,471; Jan. 30; v. 234; p. 1541.
- Spark-plug. F. R. La Plante. No. 1,217,784; Feb. 27; v. 235; p. 1288.
- Spark-plug. W. J. Linn. No. 1,247,975; Nov. 27; v. 244; p. 934.
- Spark-plug. O. B. Mack. No. 1,227,470; May 22; v. 238; p. 1273.
- Spark-plug. J. E. Manlove. No. 1,223,188; Apr. 17; v. 237; p. 837.
- Spark-plug. E. T. McCall. No. 1,239,117; Sept. 4; v. 242; p. 128.
- Spark-plug. A. E. McDaniel. No. 1,246,966; Nov. 20; v. 244; p. 610.
- Spark-plug. L. A. McDowell. No. 1,247,978; Nov. 27; v. 244; p. 934.
- Spark-plug. L. P. McKeone. No. 1,237,926; Aug. 21; v. 241; p. 838.
- Spark-plug. O. C. Miller. No. 1,225,467; May 8; v. 238; p. 521.
- Spark-plug. M. T. Minogue. No. 1,229,193; June 5; v. 239; p. 275.
- Spark-plug. A. R. Mosler. No. 1,218,298; Mar. 6; v. 236; p. 144.
- Spark-plug. A. J. Mummert. No. 1,215,836; Feb. 13; v. 235; p. 512.
- Spark-plug. G. V. Nolte and J. E. Smith. No. 1,249,465; Dec. 11; v. 245; p. 329.
- Spark-plug. J. T. Norman. No. 1,243,205; Oct. 16; v. 243; p. 626.
- Spark-plug. W. J. O'Gorman. No. 1,228,958; June 5; v. 239; p. 196.
- Spark-plug. W. O. Olson. No. 1,243,094; Oct. 16; v. 243; p. 593.
- Spark-plug. J. J. Platt. No. 1,228,241; May 29; v. 238; p. 1563.
- Spark-plug. M. Rall. No. 1,221,906; Apr. 10; v. 237; p. 348.
- Spark-plug. H. E. Rider. No. 1,249,830; Dec. 11; v. 245; p. 437.
- Spark-plug. A. L. Riggs. No. 1,247,012; Nov. 20; v. 244; p. 623.
- Spark-plug. F. Robinson. No. 1,242,375; Oct. 9; v. 243; p. 328.
- Spark-plug. C. H. Schlundt. No. 1,218,215; Mar. 6; v. 236; p. 114.
- Spark-plug. A. Schmidt. No. 1,219,590; Mar. 20; v. 236; p. 659.
- Spark-plug. A. Schmidt. No. 1,230,795; June 19; v. 239; p. 894.
- Spark-plug. A. Schmidt. No. 1,230,796; June 19; v. 239; p. 895.
- Spark-plug. A. Schmidt. No. 1,230,797; June 19; v. 239; p. 895.
- Spark-plug. A. Schmidt. No. 1,241,560; Oct. 2; v. 243; p. 30.
- Spark-plug. A. Schmidt. No. 1,241,561; Oct. 2; v. 243; p. 31.
- Spark-plug. A. Schmidt. No. 1,241,562; Oct. 2; v. 243; p. 31.
- Spark-plug. F. L. Sessions. No. 1,228,487; June 5; v. 239; p. 38.
- Spark-plug. W. E. Sherbondy. No. 1,224,123; Apr. 24; v. 237; p. 1192.
- Spark-plug. J. J. Smith, Jr. No. 1,226,399; May 15; v. 238; p. 881.
- Spark-plug. M. Standish. No. 1,247,345; Nov. 20; v. 244; p. 718.
- Spark-plug. W. Stevenson. No. 1,250,242; Dec. 18; v. 245; p. 596.
- Spark-plug. E. L. Suess. No. 1,220,472; Mar. 27; v. 236; p. 1007.
- Spark-plug. E. L. Suess. No. 1,232,732; July 10; v. 240; p. 430.
- Spark-plug. W. S. Thomas. No. 1,221,922; Apr. 10; v. 237; p. 354.
- Spark-plug. W. S. Thomas. No. 1,221,923; Apr. 10; v. 237; p. 354.
- Spark-plug. J. E. Trahan. No. 1,227,699; May 29; v. 238; p. 1381.
- Spark-plug. A. H. Wallace. No. 1,211,018; Jan. 2; v. 234; p. 222.
- Spark-plug. F. E. Welker. No. 1,249,573; Dec. 11; v. 245; p. 361.
- Spark-plug. H. Z. White. No. 1,233,630; July 17; v. 240; p. 760.
- Spark-plug. E. J. Willis. No. 1,214,401; Jan. 30; v. 234; p. 1520.
- Spark-plug. W. Willett. No. 1,247,049; Nov. 20; v. 244; p. 633.
- Spark-plug. E. Q. Williams. No. 1,248,046; Nov. 27; v. 244; p. 951.
- Spark-plug. L. A. Witter. No. 1,221,940; Apr. 10; v. 237; p. 360.
- Spark-plug and manufacturing the same. F. M. Furber. No. 1,228,767; June 5; v. 239; p. 134.
- Spark-plug and priming device, Combined. A. Pache. No. 1,242,367; Oct. 9; v. 243; p. 325.
- Spark-plug and spark-gap, Combined. W. C. Brunke. No. 1,241,339; Sept. 25; v. 242; p. 924.
- Spark-plug attachment. N. R. Michael. No. 1,241,751; Oct. 2; v. 243; p. 91.
- Spark-plug, Electric. E. H. M. Meyer. No. 1,210,668; Jan. 2; v. 234; p. 102.
- Spark-plug for explosive-engines. M. T. Minogue. No. 1,239,121; Sept. 4; v. 242; p. 129.
- Spark-plug for gas-engines. C. R. Winston. No. 1,228,628; June 5; v. 239; p. 86.
- Spark-plug for internal-combustion engines. K. Forbes. No. 1,247,102; Nov. 20; v. 244; p. 649.
- Spark-plug for internal-combustion engines. M. G. Kopf. No. 1,216,139; Feb. 13; v. 235; p. 622.
- Spark-plug for internal-combustion engines and the like. E. I. Dodds. No. 1,244,844; Oct. 30; v. 243; p. 1194.
- Spark plug, Jump-. F. H. Heginbottom. No. 1,213,637; Jan. 23; v. 234; p. 1227.
- Spark-plug primer, compression-indicator, and pressure-gage, Combined. M. O. Georgia. No. 1,247,816; Nov. 27; v. 244; p. 889.
- Spark-plug protector. G. R. Lanman. No. 1,245,931; Nov. 6; v. 244; p. 238.
- Spark-plug, Self-cleaning. W. H. Cotton. No. 1,238,990; Sept. 4; v. 242; p. 87.
- Spark-plug tester. C. E. Harlan. No. 1,249,953; Dec. 11; v. 245; p. 473.
- Spark-plug tester. W. D. Luce. No. 1,248,877; Dec. 4; v. 245; p. 133.
- Spark-plug tester. W. M. Near. No. 1,245,368; Nov. 6; v. 244; p. 68.
- Spark-plugs, Forming. A. Schmidt. No. 1,234,395; July 24; v. 240; p. 1041.
- Spark-plugs, Manufacturing. J. A. and B. A. Jeffery. No. 1,214,472; Jan. 30; v. 234; p. 1541.
- Spark-retarder for Ford engines. W. G. Krouse. No. 1,230,174; June 19; v. 239; p. 689.
- Sparks for ignition purposes, Generating high-tension. L. J. Le Pontois. No. 1,238,534; Aug. 28; v. 241; p. 1071.
- Sparkling device. A. L. Riker. No. 1,213,019; Jan. 16; v. 234; p. 980.
- Sparkling in direct-current machines, Means for preventing. A. Fahrmbacher. No. 1,215,786; Feb. 13; v. 235; p. 493.
- Sparkling in direct-current machines, Means for preventing. A. Fahrmbacher. No. 1,215,787; Feb. 13; v. 235; p. 493.
- Sparkling plug. A. E. Heath. No. 1,234,757; July 31; v. 240; p. 1189.
- Sparkling plug. T. E. Ponset. No. 1,250,009; Dec. 11; v. 245; p. 487.
- Sparkling plug. T. B. Towle. No. 1,214,390; Jan. 30; v. 234; p. 1517.
- Sparkless commutators, Method of and apparatus for producing. J. G. Lincoln. No. 1,244,518; Oct. 30; v. 243; p. 1095.
- Spatulas, &c., Protective cover for the blades of. C. W. Benson. No. 1,242,415; Oct. 9; v. 243; p. 841.
- Spear, Casing-. R. E. Sullivan. No. 1,234,231; July 24; v. 240; p. 987.
- Spectacle and eyeglass mounting. P. H. Johnston. No. 1,248,869; Dec. 4; v. 245; p. 131.
- Spectacle and eyeglass mountings, Alining device for. C. M. Haynes. No. 1,219,896; Mar. 13; v. 236; p. 561.
- Spectacle-bridge. G. H. Day. No. 1,249,907; Dec. 11; v. 245; p. 460.
- Spectacle-case clasp. J. B. Bannon. No. 1,245,423; Nov. 6; v. 244; p. 84.
- Spectacle-frame. E. D. Elwood. No. 1,238,396; Aug. 28; v. 241; p. 1026.
- Spectacle-frames, Making celluloid. A. Burke. No. 1,220,600; Mar. 27; v. 236; p. 1051.
- Spectacle-templates, Manufacturing. A. A. Arnold. No. 1,248,593; Dec. 4; v. 245; p. 50.
- Spectacles. A. M. Cox. No. 1,225,775; May 15; v. 238; p. 667.
- Spectacles. J. McWenig. No. 1,247,853; Nov. 27; v. 244; p. 900.
- Spectacles. G. D. Nutting. No. 1,223,097; Apr. 17; v. 237; p. 805.
- Spectacles. F. C. A. Richardson. No. 1,233,908; July 17; v. 240; p. 847.

Alphabetical list of inventions—Continued.

- Spectacles. J. C. Wells. No. 1,241,690; Oct. 2; v. 243; p. 71.
- Spectacles and making same, Temple for. W. E. McDonell. No. 1,225,343; May 8; v. 238; p. 480.
- Spectacles, Eye-shield. F. Willson and N. Bourquin. No. 1,225,548; May 8; v. 238; p. 547.
- Speculum. C. S. Gilhousen. No. 1,239,000; Sept. 4; v. 242; p. 90.
- Speculum. P. A. Sheaff. No. 1,222,478; Apr. 10; v. 237; p. 550.
- Speculum. G. A. Suffa. No. 1,237,121; Aug. 14; v. 241; p. 546.
- Speed and distance recording device. D. A. Cuttle. No. 1,234,880; July 31; v. 240; p. 1226.
- Speed changing and controlling device. A. Spear. No. 1,223,436; Apr. 24; v. 237; p. 952.
- Speed-changing mechanism. W. B. Jackson. No. 1,237,910; Aug. 21; v. 241; p. 834.
- Speed-changing mechanism. B. S. Kurtz. No. 1,249,779; Dec. 11; v. 245; p. 422.
- Speed-changing mechanism. B. S. Kurtz. No. 1,249,780; Dec. 11; v. 245; p. 422.
- Speed-changing mechanism. W. I. Wheeler. No. 1,245,412; Nov. 6; v. 244; p. 81.
- Speed-control device. H. M. Baker, Jr. No. 1,239,758; Sept. 11; v. 242; p. 359.
- Speed controller, Gas-engine. R. B. Benjamin. No. 1,238,481; Aug. 28; v. 241; p. 1053.
- Speed controller, Variable. C. T. Henderson. No. 1,233,877; July 17; v. 240; p. 838.
- Speed-controlling mechanism. L. M. Shaw. No. 1,250,679; Dec. 18; v. 245; p. 726.
- Speed-counter. C. E. Skinner. No. 1,214,088; Jan. 30; v. 234; p. 1411.
- Speed device, Automatic change-. M. Tarrisse. No. 1,216,626; Feb. 20; v. 235; p. 845.
- Speed device, Variable. J. H. Brimson. No. 1,232,889; July 10; v. 240; p. 482.
- Speed-governing mechanism, Fluid. T. Gensmer. No. 1,237,631; Aug. 21; v. 241; p. 745.
- Speed-governor. T. V. Buckwalter. No. 1,228,402; June 5; v. 239; p. 10.
- Speed-governor. W. F. Dawson. No. 1,213,847; Jan. 30; v. 234; p. 1329.
- Speed-governor. W. A. Doble. No. 1,234,882; July 31; v. 240; p. 1227.
- Speed-governor. J. W. Hoag. No. 1,240,450; Sept. 18; v. 242; p. 615.
- Speed-governor. J. W. Hoag. No. 1,247,834; Nov. 27; v. 244; p. 894.
- Speed-governor. C. V. Kerr. No. 1,233,276; July 10; v. 240; p. 605.
- Speed-governors, Auxiliary control for. G. C. Pharo. No. 1,250,219; Dec. 18; v. 245; p. 589.
- Speed-indicating apparatus. D. McNeill. No. 1,227,283; May 22; v. 238; p. 1214.
- Speed-indicating apparatus. H. E. Beighlee. No. 1,228,392; June 5; v. 239; p. 6.
- Speed-indicator. J. C. Anderson. No. 1,233,011; July 10; v. 240; p. 520.
- Speed-indicator. G. W. Blackburn. No. 1,246,043; Nov. 13; v. 244; p. 299.
- Speed-indicator. H. T. Herr. No. 1,226,073; May 15; v. 238; p. 769.
- Speed-indicator. A. M. A. Joliot. No. 1,231,899; July 3; v. 240; p. 122.
- Speed-indicator. M. Nystrom. No. 1,223,896; Apr. 24; v. 237; p. 1116.
- Speed-indicator, Audible. H. B. Keiper. No. 1,217,773; Feb. 27; v. 235; p. 1284.
- Speed-indicators, Signal device for. H. Dahl. No. 1,239,672; Sept. 11; v. 242; p. 832.
- Speed-limit device, Centrifugal. W. H. Foot. No. 1,231,586; July 3; v. 240; p. 16.
- Speed, Means for determining ground. L. J. R. Holst. No. 1,224,545; May 1; v. 238; p. 154.
- Speed mechanism, Change-. A. Anderson. No. 1,228,087; May 29; v. 238; p. 1514.
- Speed mechanism, Change-. E. A. Thiem. No. 1,250,386; Dec. 18; v. 245; p. 638.
- Speed mechanism, Variable. E. R. Draver. No. 1,215,506; Feb. 13; v. 235; p. 391.
- Speed mechanism, Variable. V. W. Page. No. 1,223,514; Apr. 24; v. 237; p. 981.
- Speed motor, Variable. W. A. Turbayne. No. 1,250,719; Dec. 18; v. 245; p. 738.
- Speed-multiplying mechanism. H. A. Prescott. No. 1,220,454; Mar. 27; v. 236; p. 1000.
- Speed of motor-vehicles, Control mechanism for preventing excessive. R. A. Duncan. No. 1,250,290; Dec. 18; v. 245; p. 609.
- Speed of trains, Device for regulating the. A. F. Jacobson. No. 1,249,761; Dec. 11; v. 245; p. 416.
- Speed or pressure control device, Electric. C. A. Mullen. No. 1,238,066; Aug. 21; v. 241; p. 884.
- Speed-recorder for vehicles. C. A. and C. P. Jeske. No. 1,242,557; Oct. 9; v. 243; p. 386.
- Speed-reducing mechanism, Planetary. G. Cottam. No. 1,223,259; Apr. 17; v. 237; p. 858.
- Speed-regulating apparatus. J. B. Taylor. No. 1,227,091; May 22; v. 238; p. 1150.
- Speed-regulating device. H. Rosenbaum. No. 1,232,848; July 10; v. 240; p. 467.
- Speed-regulator, Automatic. S. Tompkins. No. 1,245,823; Nov. 6; v. 244; p. 206.
- Speed regulator or governor, Friction. J. A. Swart. No. 1,237,409; Aug. 21; v. 241; p. 676.
- Speed transmission, Four-. A. F. Masury and A. G. Herreshoff. No. 1,241,415; Sept. 25; v. 242; p. 947.
- Speed-transmission mechanism. F. K. Simpson. No. 1,226,392; May 15; v. 238; p. 878.
- Speed-transmission mechanism, Variable. R. H. Lawson and A. E. Robinson. No. 1,232,571; July 10; v. 240; p. 376.
- Speed transmission, Variable. J. T. Robinson. No. 1,249,201; Dec. 4; v. 245; p. 223.
- Speed transmitter, Variable. J. Reece. No. 1,231,647; July 3; v. 240; p. 36.
- Speed-varying device. R. Reher. No. 1,220,554; Mar. 27; v. 236; p. 1035.
- Speedometer. G. W. Blackburn. No. 1,213,065; Jan. 16; v. 234; p. 994.
- Speedometer. E. H. Bristol. No. 1,240,790; Sept. 18; v. 242; p. 718.
- Speedometer. A. A. Canton. No. 1,219,245; Mar. 13; v. 236; p. 509.
- Speedometer. A. A. Canton. No. 1,224,707; May 1; v. 238; p. 211.
- Speedometer. A. A. Canton. No. 1,225,312; May 8; v. 238; p. 468.
- Speedometer. A. A. Canton. No. 1,226,946; May 22; v. 238; p. 1099.
- Speedometer. A. A. Canton. No. 1,227,747; May 29; v. 238; p. 1398.
- Speedometer. K. Fitzpatrick. No. 1,237,497; Aug. 21; v. 241; p. 702.
- Speedometer. E. M. Giles. No. 1,227,420; May 22; v. 238; p. 1257.
- Speedometer. A. F. Poole. No. 1,249,189; Dec. 4; v. 245; p. 219.
- Speedometer. M. Smithey. No. 1,211,253; Jan. 2; v. 234; p. 303.
- Speedometer drive-train. F. A. Ross. No. 1,212,814; Jan. 16; v. 234; p. 908.
- Speedometer driving mechanism. H. E. Dodge. No. 1,242,660; Oct. 9; v. 243; p. 420.
- Speedometer driving mechanism. A. Loomis. No. 1,226,784; May 22; v. 238; p. 1045.
- Speedometer driving mechanism. J. G. Perrin. No. 1,219,479; Mar. 20; v. 236; p. 619.
- Speedometer-driving mechanism. J. G. Perrin. No. 1,223,902; Apr. 24; v. 237; p. 1118.
- Speedometer, Magnetic. F. A. Ross. No. 1,213,547; Jan. 23; v. 234; p. 1197.
- Speedometer, Magnetic. J. K. Stewart. No. 1,238,455; Aug. 28; v. 241; p. 1045.
- Speedometer-pinion bracket. A. A. Yocum. No. 1,227,517; May 22; v. 238; p. 1291.
- Speedometers and gages, Illuminator for. E. S. Abrahams. No. 1,212,306; Jan. 16; v. 234; p. 730.
- Spelter, Producing. C. H. Fulton. No. 1,249,061; Dec. 4; v. 245; p. 183.
- Spherical objects, Apparatus for producing. E. E. Neal. No. 1,217,205; Feb. 27; v. 235; p. 1086.
- Sphygmomanometer. G. F. Beachler. No. 1,225,395; May 8; v. 238; p. 497.
- Sphygmomanometer. C. R. Waser. No. 1,213,984; Jan. 30; v. 234; p. 1375.
- Spice-container. T. H. Malm. No. 1,234,366; July 24; v. 240; p. 1032.
- Spigot-valve. A. Kimmey and J. D. Cael. No. 1,211,595; Jan. 9; v. 234; p. 451.
- Spike. K. L. Aase. No. 1,237,142; Aug. 14; v. 241; p. 552.
- Spike. J. F. Craven. No. 1,210,426; Jan. 2; v. 234; p. 17.
- Spike. J. Dvoracek, Jr. No. 1,212,029; Jan. 9; v. 234; p. 603.
- Spike. E. A. Foster. No. 1,248,301; Nov. 27; v. 244; p. 1025.
- Spike. W. H. Horton. No. 1,223,051; Apr. 17; v. 237; p. 789.
- Spike. J. N. Lebel. No. 1,221,462; Apr. 3; v. 237; p. 162.
- Spike. S. A. Nelson and O. London. No. 1,233,108; July 10; v. 240; p. 551.
- Spike and other fastener. C. L. Woodbury. No. 1,213,787; Jan. 23; v. 234; p. 1277.
- Spike and tie-plate. J. F. Craven. No. 1,224,607; May 1; v. 238; p. 175.
- Spike driving and drawing machine, Single-rail. W. B. Halliwell. No. 1,231,253; June 26; v. 239; p. 1088.
- Spike-puller. P. G. Clay. No. 1,238,266; Aug. 28; v. 241; p. 983.
- Spike-puller. J. F. Craven. No. 1,224,609; May 1; v. 238; p. 176.
- Spike-puller. E. F. Goben. No. 1,223,269; Apr. 17; v. 237; p. 860.
- Spikes and for punching slot-holes in bolts and the like, Machine for bifurcating. W. L. Bayley and F. B. Wilson. No. 1,244,017; Oct. 23; v. 243; p. 907.
- Spinal region, Appliance for treatment of the. A. T. Vance. No. 1,250,892; Dec. 18; v. 245; p. 640.

- Spinal relaxer. E. O. Olds. No. 1,234,793; July 31; v. 240; p. 1200.
- Spindle: *See—*
 Bobbin-spindle. Milling-machine spindle.
 Collapsible-spindle. Spinning-machine spindle.
 Cotton-picking spindle.
- Spindle-adjusting device. R. G. H. Knight and G. R. Quimby. No. 1,213,657; Jan. 23; v. 234; p. 1233.
- Spindle-adjusting mechanism. A. Lindner. No. 1,233,072; July 10; v. 240; p. 540.
- Spindle and power-transmitting mechanism therefor. H. L. Brown. No. 1,229,025; June 5; v. 239; p. 219.
- Spindle attachment. Work. E. P. Bullard, Jr., and W. N. Stevens. No. 1,250,556; Dec. 18; v. 245; p. 691.
- Spindle-bearings, Removing bushings from. R. E. Yeackel. No. 1,222,507; Apr. 10; v. 237; p. 559.
- Spindle-driving mechanism. R. G. Carle. No. 1,213,741; Jan. 23; v. 234; p. 1261.
- Spindle mounting and lubricating device, High-speed. M. Harrison. No. 1,243,661; Oct. 16; v. 243; p. 761.
- Spindle-protector. J. T. Rider. No. 1,226,008; May 15; v. 238; p. 745.
- Spine rest or support. A. S. Craig. No. 1,225,776; May 15; v. 238; p. 668.
- Spinner and twister, Textile. J. L. Macfarlane. No. 1,233,591; July 17; v. 240; p. 747.
- Spinning and like machines, Lappet and thread-guide for. T. E. Leigh. No. 1,225,663; May 8; v. 238; p. 586.
- Spinning and twisting apparatus. C. W. Hubbard. No. 1,232,685; July 10; v. 240; p. 413.
- Spinning and twisting apparatus. C. W. Hubbard. No. 1,240,214; Sept. 18; v. 242; p. 541.
- Spinning and twisting machine. L. H. Horner. No. 1,230,300; June 19; v. 239; p. 731.
- Spinning and twisting machine, Cap. J. Hodgson. No. 1,212,222; Jan. 16; v. 234; p. 697.
- Spinning and twisting textile fibers, Device for. V. Bé langer. No. 1,230,097; June 19; v. 239; p. 662.
- Spinning and winding machines, Traverse-motion for. J. H. Boyd. No. 1,235,958; Aug. 7; v. 241; p. 141.
- Spinning-frame. E. Casablanca. No. 1,215,744; Jan. 23; v. 234; p. 1262.
- Spinning-frame saddle. L. S. Bache. No. 1,242,755; Oct. 9; v. 243; p. 451.
- Spinning-frame stop-motion. E. Brooksbank. No. 1,227,379; May 22; v. 238; p. 1244.
- Spinning-frames, Cam attachment for roller-beds of. E. J. Vales and J. T. Bishop. No. 1,210,873; Jan. 2; v. 234; p. 170.
- Spinning-machine. W. Cunliffe. No. 1,233,988; July 17; v. 240; p. 873.
- Spinning-machine. H. F. Hawkins and M. L. Stickney. No. 1,211,442; Jan. 9; v. 234; p. 399.
- Spinning-machine. G. L. Rice. No. 1,217,067; Feb. 20; v. 235; p. 992.
- Spinning-machine band. J. P. O'Connell. No. 1,243,337; Oct. 16; v. 243; p. 665.
- Spinning-machine clearer. J. R. G. Briercliffe and G. Chisnall. No. 1,246,535; Nov. 13; v. 244; p. 447.
- Spinning-machine doffing mechanism. M. Kerwin. No. 1,242,947; Oct. 16; v. 243; p. 545.
- Spinning-machine spindle. T. O. Aked. No. 1,240,803; Sept. 25; v. 242; p. 755.
- Spinning machines, Attachment for silk. A. E. Cheeseman. No. 1,223,560; Apr. 24; v. 237; p. 997.
- Spinning machines, Automatic stop-motion for yarn. W. Kozlowski. No. 1,211,178; Jan. 2; v. 234; p. 275.
- Spinning-mules, Guard for the scrolls of. T. Mills. No. 1,232,953; July 10; v. 240; p. 502.
- Spinning or winding machines, Building-motion for. H. A. Leonard. No. 1,212,650; Jan. 16; v. 234; p. 852.
- Spinning or twisting machines, Thread-board for. J. F. Galvin. No. 1,247,657; Nov. 27; v. 244; p. 840.
- Spinning or winding machines, Builder-motion for. A. E. Bullock and A. Blain. No. 1,243,485; Oct. 16; v. 243; p. 708.
- Spinning or winding machines, Builder-motion for. A. Gastonguay. No. 1,245,453; Nov. 6; v. 244; p. 93.
- Spinning-ring. A. P. Hine. No. 1,226,661; May 22; v. 238; p. 1002.
- Spinning, twisting, and similar machines, Thread-feed-stopping device for. C. Brand. No. 1,247,926; Nov. 27; v. 244; p. 920.
- Spinning, twisting, and the like machines, Thread-board for. A. H. Morton. No. 1,214,211; Jan. 30; v. 234; p. 1452.
- Spiral spring for the closing of doors. F. Dietz. No. 1,215,498; Feb. 13; v. 235; p. 388.
- Spittoon. A. Nowakowski. No. 1,245,013; Oct. 30; v. 243; p. 1245.
- Spittoon-cleaner. W. Drozd. No. 1,241,203; Sept. 25; v. 242; p. 880.
- Spittoon-covers, Latch mechanism for. N. Lovece. No. 1,234,186; July 24; v. 240; p. 973.
- Splash-board. M. J. Lambrix. No. 1,225,256; May 8; v. 238; p. 447.
- Splice-bar. A. K. Heuston. No. 1,226,212; May 15; v. 238; p. 815.
- Splice-bar for rails and the like. F. L. H. Sims. No. 1,213,699; Jan. 23; v. 234; p. 1248.
- Splint. A. E. Clough. No. 1,221,289; Apr. 3; v. 237; p. 102.
- Splint. H. W. Vickers. No. 1,238,224; Aug. 28; v. 241; p. 969.
- Splint, Adjustable. R. De Puy. No. 1,232,899; July 10; v. 240; p. 485.
- Splint, Extension-. G. W. Hawley. No. 1,242,688; Oct. 9; v. 243; p. 429.
- Splint, Flexible. I. R. Smith. No. 1,243,230; Oct. 16; v. 243; p. 633.
- Splitting-machine. F. M. Furber. No. 1,224,527; May 1; v. 238; p. 147.
- Splitting-machine. F. M. Furber. No. 1,224,918; May 8; v. 238; p. 335.
- Splitting-machine. A. Johnson. No. 1,214,683; Feb. 6; v. 235; p. 71.
- Splitting-machine. J. K. Vaughn. No. 1,250,054; Dec. 11; v. 245; p. 500.
- Spoke-billet manufacture and product. R. H. Coleman. No. 1,238,890; Sept. 4; v. 242; p. 54.
- Spoke-fastening, Taper-pin. J. E. Strietelmeier. No. 1,217,361; Feb. 27; v. 235; p. 1138.
- Spoke-mitering machine. G. A. Ensign and J. C. M. Des Isles. No. 1,248,095; Nov. 27; v. 244; p. 965.
- Spoke-stay. J. P. Tarbox. No. 1,223,298; Apr. 17; v. 237; p. 870.
- Sponge holder and moistener. G. W. Hahn. No. 1,218,081; Mar. 6; v. 236; p. 67.
- Sponging device, Cloth-steam-. C. A. Weiss. No. 1,239,991; Sept. 11; v. 242; p. 433.
- Sponging-machines, Belt-tightener and brake for. L. Bajett. No. 1,226,297; May 15; v. 238; p. 848.
- Spool. A. Glaser. No. 1,234,150; July 24; v. 240; p. 961.
- Spool. H. L. Halliday. No. 1,213,630; Jan. 23; v. 234; p. 1225.
- Spool attachment. L. J. Leclerc. No. 1,220,760; Mar. 27; v. 236; p. 1104.
- Spool construction. F. Johannsmeyer. No. 1,238,921; Sept. 4; v. 242; p. 64.
- Spool-flange for bull-wheel shafts. W. H. Roades. No. 1,218,898; Mar. 13; v. 236; p. 392.
- Spool-holder. V. A. Brouillet. No. 1,215,476; Feb. 13; v. 235; p. 380.
- Spool-holder. W. Popelka. No. 1,243,550; Oct. 16; v. 243; p. 727.
- Spool-protector. J. White. No. 1,222,703; Apr. 17; v. 237; p. 670.
- Spool, Sheet-metal. E. J. Hubbard. No. 1,225,959; May 15; v. 238; p. 728.
- Spooler attachment. G. H. Goldsmith. No. 1,239,385; Sept. 4; v. 242; p. 212.
- Spoolers, Tension for. L. S. Burbank. No. 1,238,100; Aug. 28; v. 241; p. 928.
- Spooling and winding machine. A. F. Bentley. No. 1,248,247; Nov. 27; v. 244; p. 1009.
- Spoon-holder. C. Graham. No. 1,237,504; Aug. 21; v. 241; p. 705.
- Spoon-holder. F. E. Kershner. No. 1,211,171; Jan. 2; v. 234; p. 272.
- Spoon, Kitchen-. C. O. Bowman. No. 1,211,062; Jan. 2; v. 234; p. 237.
- Spoons from sheet material, Machine for cutting and forming. L. D. Jacoby. No. 1,241,517; Oct. 2; v. 243; p. 14.
- Spotlight. C. H. Kaufmann. No. 1,237,524; Aug. 21; v. 241; p. 712.
- Spotlight. G. R. Long. No. 1,236,456; Aug. 14; v. 241; p. 329.
- Spout and overflow-receiver, Distributing-. R. M. Van Nees. No. 1,224,241; May 1; v. 238; p. 45.
- Spout, Antidrip-. H. B. Lindsay. No. 1,236,955; Aug. 14; v. 241; p. 493.
- Spout for receptacles. W. G. Kendall. No. 1,213,500; Jan. 23; v. 234; p. 1179.
- Spout for receptacles. R. Vaughan. No. 1,224,583; May 1; v. 238; p. 167.
- Spout, Pouring-. E. R. Thompson. No. 1,223,533; Apr. 24; v. 237; p. 988.
- Spout-tube, Hand-hold. L. Burmeister. No. 1,224,135; May 1; v. 238; p. 7.
- Spouts, Device for holding flexible. C. E. Dunham. No. 1,216,296; Feb. 20; v. 235; p. 728.
- Sprag. F. Caulkins. No. 1,220,605; Mar. 27; v. 236; p. 1053.
- Spray-discharge equalizer. F. Caldwell. No. 1,224,852; May 1; v. 238; p. 261.
- Spray-gun. J. C. Hull. No. 1,221,861; Apr. 10; v. 237; p. 331.
- Spray gun, Dry-. A. J. Baker. No. 1,226,443; May 15; v. 238; p. 893.
- Spray, Paint-. E. A. Derrick and H. F. Meyers. No. 1,232,510; July 10; v. 240; p. 358.
- Spray-rod attachment. R. W. El. Hayes. No. 1,225,029; May 8; v. 238; p. 372.
- Spray, Sanitary curtainless soap and water. R. Swimmer. No. 1,220,704; Mar. 27; v. 236; p. 1085.
- Spray, Sanitary finger-bowl. C. L. Wood. No. 1,232,151; July 3; v. 240; p. 209.
- Sprayer. A. B. Brown. No. 1,232,489; July 10; v. 240; p. 350.
- Sprayer. J. L. Isaacs. No. 1,219,642; Mar. 20; v. 236; p. 677.
- Sprayer. L. J. Sticklin. No. 1,219,049; Mar. 13; v. 236; p. 442.

- Sprayer. L. Wygodsky. No. 1,250,067; Dec. 11; v. 245; p. 504.
- Sprayer, Liquid-. A. Mattern. No. 1,229,771; June 12; v. 239; p. 519.
- Sprayer, Pneumatic. H. L. Stevens. No. 1,229,344; June 12; v. 239; p. 376.
- Spraying and powder-dusting attachment. F. Oldham. No. 1,218,953; Mar. 13; v. 236; p. 409.
- Spraying apparatus. F. F. Bradley. No. 1,220,942; Mar. 27; v. 236; p. 1165.
- Spraying apparatus. D. E. Preston and H. E. Priser. No. 1,241,551; Oct. 2; v. 243; p. 27.
- Spraying apparatus. R. N. Stewart. No. 1,216,746; Feb. 20; v. 235; p. 885.
- Spraying apparatus, Portable. A. Fields. No. 1,242,930; Oct. 16; v. 243; p. 539.
- Spraying-booth. C. G. Throop. No. 1,218,718; Mar. 13; v. 236; p. 325.
- Spraying ceramic and other articles, Affording protection to workmen during the operation of. H. D. Lillibridge. No. 1,223,809; Apr. 24; v. 237; p. 1086.
- Spraying device. F. D. Houghton. No. 1,225,713; May 8; v. 238; p. 602.
- Spraying device, Liquid-. G. H. Gilman. No. 1,251,455; Dec. 25; v. 245; p. 1004.
- Spraying in cooling-ponds and the like, System and apparatus for. L. H. Parker. No. 1,233,119; July 10; v. 240; p. 554.
- Spraying-machine. J. G. Hodgson. No. 1,227,617; May 29; v. 238; p. 1353.
- Spraying-machine. G. A. Urbach. No. 1,231,222; June 26; v. 239; p. 1078.
- Spraying or atomizing device. J. Lynn. No. 1,223,083; Apr. 17; v. 237; p. 800.
- Spraying or atomizing device. W. J. Smart. No. 1,232,618; July 10; v. 240; p. 391.
- Spraying or atomizing liquids or liquid compositions such as paints, Apparatus for. F. Levy. No. 1,210,500; Jan. 2; v. 234; p. 42.
- Spraying paper receptacles, Machine for. H. F. Provandie. No. 1,220,552; Mar. 27; v. 236; p. 1034.
- Spraying powder and liquid, Device for. J. D. Pian. No. 1,241,437; Sept. 25; v. 242; p. 953.
- Spraying instrument. T. A. De Vilbiss. No. 1,247,088; Nov. 20; v. 244; p. 645.
- Spraying liquids and treating gases, Process and apparatus for. C. C. Thomas. No. 1,246,355; Nov. 13; v. 244; p. 393.
- Spread-roller. F. W. Logsdon. No. 1,212,520; Jan. 16; v. 234; p. 804.
- Spreader. H. P. Kraft. No. 1,245,110; Oct. 30; v. 243; p. 1274.
- Spreader, Wide-delivery. W. N. Whitely. No. 1,244,933; Oct. 30; v. 243; p. 1221.
- Spring. See—
- Air-spring.
- Automobile-spring.
- Bed-spring.
- Binder-spring.
- Coil-spring.
- Door-spring.
- Frictional spring.
- Gage-spring.
- Gate-spring.
- Journal-spring.
- Laminated spring.
- Leaf-spring.
- Nut-lock spring.
- Pneumatic spring.
- Sash-spring.
- Seat-spring.
- Seat-back spring.
- Self-lubricating spring.
- Shock-absorbing spring.
- Shuttle-spring.
- Spiral spring.
- Suspension-spring.
- Tire-spring.
- Type-bar-rebound spring.
- Vehicle-spring.
- Vehicle auxiliary spring.
- Vehicle leaf-spring.
- Vehicle supplementary spring.
- Spring. M. Block. No. 1,240,170; Sept. 18; v. 242; p. 524.
- Spring. G. E. Cutler. No. 1,218,063; Mar. 6; v. 236; p. 61.
- Spring. A. J. Dille. (Reissue.) No. 1,330; July 24; v. 240; p. 1139.
- Spring. D. Landau. No. 1,241,744; Oct. 2; v. 243; p. 88.
- Spring. S. McCloud. No. 1,250,332; Dec. 18; v. 245; p. 622.
- Spring. H. W. Sanford. No. 1,217,507; Feb. 27; v. 235; p. 1193.
- Spring-abutment, Removable. E. E. Wemp. No. 1,215,756; Feb. 13; v. 235; p. 482.
- Spring arrangement especially for contact devices. H. Landis. No. 1,215,665; Feb. 13; v. 235; p. 452.
- Spring attachment device. J. A. Robison. No. 1,222,032; Apr. 10; v. 237; p. 392.
- Spring-board. D. P. Fletcher. No. 1,210,920; Jan. 2; v. 234; p. 188.
- Spring-board holder. J. F. Booraem. No. 1,250,951; Dec. 25; v. 245; p. 858.
- Spring-bottom. J. L. Moore. No. 1,213,231; Jan. 23; v. 234; p. 1086.
- Spring casing, Vehicle. S. Joseph. No. 1,215,379; Feb. 13; v. 235; p. 346.
- Spring-clasp. F. C. Gerfin. No. 1,234,655; July 24; v. 240; p. 1123.
- Spring clip, Leaf-. I. A. Weaver. No. 1,250,257; Dec. 18; v. 245; p. 601.
- Spring-coiling machine. A. Jensen. No. 1,250,584; Dec. 18; v. 245; p. 699.
- Spring-compressor. G. H. Morrow. No. 1,249,653; Dec. 11; v. 245; p. 384.
- Spring-connector. T. Mahoney. No. 1,225,148; May 8; v. 238; p. 412.
- Spring construction. F. W. Hawes. No. 1,242,346; Oct. 9; v. 243; p. 319.
- Spring construction. D. C. Travis and J. H. Gamble. No. 1,237,727; Aug. 21; v. 241; p. 778.
- Spring construction. L. A. Young. No. 1,230,260; June 19; v. 239; p. 718.
- Spring construction. L. A. Young. No. 1,231,832; July 3; v. 240; p. 101.
- Spring construction. L. A. Young. No. 1,237,440; Aug. 21; v. 241; p. 686.
- Spring controller or governor. W. S. Miller. No. 1,228,944; June 5; v. 239; p. 192.
- Spring-counterbalancing mechanism. J. H. Dearborn. No. 1,233,758; July 17; v. 240; p. 798.
- Spring-coupling, Flexible. C. Ulven. No. 1,220,295; Mar. 27; v. 236; p. 944.
- Spring covering and oiler, Combined. A. L. Robert and E. Menard. No. 1,242,044; Oct. 2; v. 243; p. 182.
- Spring-cushion. W. W. Vincent. No. 1,248,956; Dec. 4; v. 245; p. 154.
- Spring-cushion, Multiple. F. C. Genge. No. 1,246,082; Nov. 13; v. 244; p. 310.
- Spring fastening device. E. B. Fahnstock. No. 1,221,713; Apr. 3; v. 237; p. 247.
- Spring fastening device. N. A. T. N. Feary. No. 1,226,411; May 22; v. 238; p. 1254.
- Spring fastening device. J. Schade, Jr. No. 1,212,821; Jan. 16; v. 234; p. 910.
- Spring-fitting machine. L. F. Torrey. No. 1,237,415; Aug. 21; v. 241; p. 677.
- Spring-fitting machine, Rotary. G. A. Spencer. No. 1,219,876; Mar. 20; v. 236; p. 758.
- Spring-fitting machine, Rotary. G. A. Spencer. No. 1,224,577; May 1; v. 238; p. 165.
- Spring-gear, Friction. J. F. O'Connor. No. 1,226,579; May 15; v. 238; p. 936.
- Spring-grinding machine. F. H. Sleeper. No. 1,227,498; May 22; v. 238; p. 1283.
- Spring hair-remover. J. L. Shipp. No. 1,232,617; July 10; v. 240; p. 391.
- Spring-hanger. J. A. Williams. No. 1,230,970; June 26; v. 239; p. 992.
- Spring-head, Removable. H. and F. M. Athons. No. 1,216,920; Feb. 20; v. 235; p. 943.
- Spring-leaf separator. C. W. Winther. No. 1,237,436; Aug. 21; v. 241; p. 685.
- Spring-leaf-tapering machine. F. B. Schuyler. No. 1,230,523; June 19; v. 239; p. 805.
- Spring-link. F. Lacambra. No. 1,216,463; Feb. 20; v. 235; p. 787.
- Spring-lubricating clip. W. H. Brown. No. 1,220,176; Mar. 27; v. 236; p. 901.
- Spring-lubricating device. M. G. Kopf. No. 1,246,938; Nov. 20; v. 244; p. 602.
- Spring-lubricator. W. H. Brown. No. 1,215,904; Feb. 13; v. 235; p. 535.
- Spring lubricator, Leaf-. W. H. Brown. No. 1,219,804; Mar. 20; v. 236; p. 733.
- Spring lubricator, Leaf-. F. A. Schoenl and H. Bieder. No. 1,222,807; Apr. 17; v. 237; p. 706.
- Spring lubricator, Leaf-. F. L. Whitney. No. 1,234,591; July 24; v. 240; p. 1104.
- Spring lubricator, Vehicle-. J. E. Anderson. No. 1,224,256; May 1; v. 238; p. 51.
- Spring lubricator, Vehicle-. J. E. Anderson. No. 1,224,257; May 1; v. 238; p. 51.
- Spring lubricator, Vehicle-. T. C. Schultze. No. 1,222,146; Apr. 10; v. 237; p. 431.
- Spring lubricator, Vehicle-. W. P. Seng. No. 1,224,329; May 1; v. 238; p. 77.
- Spring-motor. W. R. Hartsook. No. 1,248,489; Dec. 4; v. 245; p. 17.
- Spring-motor. F. Magidson. No. 1,212,788; Jan. 16; v. 234; p. 900.
- Spring-motor. C. L. McDonal. No. 1,212,782; Jan. 16; v. 234; p. 898.
- Spring-motor. H. B. McNulty. No. 1,221,072; Apr. 3; v. 237; p. 24.
- Spring-motor. P. Morden. No. 1,249,990; Dec. 11; v. 245; p. 482.
- Spring-motor. J. C. Morgan. No. 1,219,340; Mar. 13; v. 236; p. 541.
- Spring-motor. D. Pantazi. No. 1,223,102; Apr. 17; v. 237; p. 806.
- Spring-motor. H. F. Schrage. No. 1,228,975; June 5; v. 239; p. 202.
- Spring-motor-winding device. J. W. Jones. No. 1,219,325; Mar. 13; v. 236; p. 536.
- Spring mounting, Cantaliver-. R. S. Trott. No. 1,247,748; Nov. 27; v. 244; p. 868.
- Spring mounting, Supporting-. E. G. Busse. No. 1,249,321; Dec. 11; v. 245; p. 289.
- Spring-pad. P. Krakauer. No. 1,247,370; Nov. 27; v. 244; p. 932.
- Spring-pad and making same. P. Krakauer. No. 1,247,971; Nov. 27; v. 244; p. 932.
- Spring-recoil grip. H. C. Turner. No. 1,232,443; July 3; v. 240; p. 300.
- Spring-retainer. G. S. Wettrich and E. E. Ammon. No. 1,218,730; Mar. 13; v. 236; p. 330.

- Spring-ring. C. A. Goozey. No. 1,244,599; Oct. 30; v. 243; p. 1120.
- Spring-roller. J. B. Drumm. No. 1,228,303; May 29; v. 238; p. 1583.
- Spring-roller. E. Hayslett. No. 1,219,100; Mar. 13; v. 236; p. 459.
- Spring-seat. C. H. Palmer. No. 1,233,499; July 17; v. 240; p. 715.
- Spring-seat and axle-bearing. W. MacGlashan. No. 1,234,552; July 24; v. 240; p. 1091.
- Spring seat for disks. Coil-. M. E. Lindskoog. No. 1,229,488; June 12; v. 239; p. 424.
- Spring-seat, Reversible folding. A. E. Wicklund and J. B. Grobey. No. 1,220,577; Mar. 27; v. 236; p. 1043.
- Spring-securing device. A. Whyte. No. 1,238,237; Aug. 28; v. 241; p. 973.
- Spring setting and tempering machine. P. E. Little and M. J. Rattelsdorfer. No. 1,247,695; Nov. 27; v. 244; p. 852.
- Spring-spoke wheel. A. V. Mitchell. No. 1,222,233; Apr. 10; v. 237; p. 463.
- Spring structure. I. Karpen. No. 1,226,219; May 15; v. 238; p. 818.
- Spring structure. W. Shannon. No. 1,239,529; Sept. 11; v. 242; p. 286.
- Spring structure. W. R. Smith. No. 1,242,996; Oct. 16; v. 243; p. 560.
- Spring structure. J. G. Venn. No. 1,213,980; Jan. 30; v. 234; p. 1373.
- Spring-support. L. E. Keil. No. 1,237,053; Aug. 14; v. 241; p. 525.
- Spring-support. R. Kirk. No. 1,232,934; July 10; v. 240; p. 497.
- Spring suspension. T. I. Duffy. No. 1,213,761; Jan. 23; v. 234; p. 1268.
- Spring suspension. R. E. Layman. No. 1,217,096; Feb. 20; v. 235; p. 1003.
- Spring suspension. C. Robinson and H. Person. No. 1,217,111; Feb. 20; v. 235; p. 1009.
- Spring suspension mechanism. E. Thomas. No. 1,242,495; Oct. 9; v. 243; p. 365.
- Spring suspension means. D. M. Livingston. No. 1,240,063; Sept. 11; v. 242; p. 453.
- Spring-switch. F. G. Hibbard. No. 1,251,024; Dec. 25; v. 245; p. 879.
- Spring-tension mechanism. J. L. Mauch. No. 1,230,195; June 19; v. 239; p. 696.
- Spring terminal connection. E. B. Fahnestock. No. 1,240,186; Sept. 18; v. 242; p. 530.
- Spring-tie. G. Stackhouse. No. 1,243,639; Oct. 16; v. 243; p. 755.
- Spring to various loads. Means for adjusting a vehicle. J. F. Goodwin. No. 1,229,254; June 12; v. 239; p. 345.
- Spring-wheel. J. Anderson. No. 1,240,805; Sept. 25; v. 242; p. 755.
- Spring-wheel. V. Barker. No. 1,250,942; Dec. 25; v. 245; p. 855.
- Spring-wheel. F. L. Benedict. No. 1,241,906; Oct. 2; v. 243; p. 140.
- Spring-wheel. F. G. Birchard. No. 1,245,661; Nov. 6; v. 244; p. 158.
- Spring-wheel. M. C. and S. L. Bolt and E. E. Goad. No. 1,215,768; Feb. 13; v. 235; p. 487.
- Spring-wheel. W. R. Bowling. No. 1,225,404; May 8; v. 238; p. 500.
- Spring-wheel. P. Brady. No. 1,212,180; Jan. 16; v. 234; p. 682.
- Spring-wheel. J. T. Breen. No. 1,228,744; June 5; v. 239; p. 126.
- Spring-wheel. G. B. Burch. No. 1,212,607; Jan. 16; v. 234; p. 836.
- Spring-wheel. F. Carter. No. 1,222,734; Apr. 17; v. 237; p. 681.
- Spring-wheel. W. E. Crawford. No. 1,216,082; Feb. 13; v. 235; p. 601.
- Spring-wheel. T. J. Crowe. No. 1,229,892; June 12; v. 239; p. 560.
- Spring-wheel. W. J. Davis. No. 1,240,951; Sept. 25; v. 242; p. 802.
- Spring-wheel. J. H. De Smidt. No. 1,239,891; Sept. 11; v. 242; p. 403.
- Spring-wheel. D. H. Grigg. No. 1,212,208; Jan. 16; v. 234; p. 692.
- Spring-wheel. C. Guilmar. No. 1,220,329; Mar. 27; v. 236; p. 956.
- Spring-wheel. H. G. Horstman. No. 1,246,431; Nov. 13; v. 244; p. 416.
- Spring-wheel. G. Hunter. No. 1,229,618; June 12; v. 239; p. 469.
- Spring-wheel. W. Kastens. No. 1,220,425; Mar. 27; v. 236; p. 989.
- Spring-wheel. W. B. Kerrick. No. 1,237,913; Aug. 21; v. 241; p. 835.
- Spring-wheel. A. P. Landoll. No. 1,231,389; June 26; v. 239; p. 1133.
- Spring-wheel. G. Laporte. No. 1,229,625; June 12; v. 239; p. 471.
- Spring-wheel. W. W. and C. G. McClay. No. 1,242,459; Oct. 9; v. 243; p. 355.
- Spring-wheel. C. F. Moeller. No. 1,235,586; Aug. 7; v. 241; p. 19.
- Spring-wheel. C. Natterstad. No. 1,246,307; Nov. 13; v. 244; p. 378.
- Spring-wheel. J. H. Partridge. No. 1,220,676; Mar. 27; v. 236; p. 1076.
- Spring-wheel. M. Pellegrino. No. 1,250,643; Dec. 18; v. 245; p. 715.
- Spring-wheel. M. Sharp. No. 1,245,991; Nov. 6; v. 244; p. 252.
- Spring-wheel. C. G. Smith. No. 1,215,730; Feb. 13; v. 235; p. 474.
- Spring-wheel. C. G. Smith. No. 1,226,397; May 15; v. 238; p. 880.
- Spring-wheel. L. Smolen. No. 1,210,998; Jan. 2; v. 234; p. 215.
- Spring-wheel. J. Splann. No. 1,232,991; July 10; v. 240; p. 514.
- Spring-wheel. F. R. Stava. No. 1,246,177; Nov. 13; v. 244; p. 338.
- Spring-wheel. F. Stitzel. No. 1,233,724; July 17; v. 240; p. 789.
- Spring-wheel. A. Swedberg. No. 1,247,177; Nov. 20; v. 244; p. 671.
- Spring-wheel. W. H. Swigart. No. 1,231,965; July 3; v. 240; p. 143.
- Spring-wheel. J. T6th and J. Novak. No. 1,237,416; Aug. 21; v. 241; p. 678.
- Spring-wheel. S. F. Walker. No. 1,234,832; July 31; v. 240; p. 1211.
- Spring-wheel. H. C. Wargensted. No. 1,244,265; Oct. 23; v. 243; p. 981.
- Spring-wheel. J. A. Workman, Sr. No. 1,237,988; Aug. 21; v. 241; p. 859.
- Spring-wheel. O. G. Worsley. No. 1,244,681; Oct. 30; v. 243; p. 1144.
- Spring-wheel for vehicles. J. S. G. Billett. No. 1,216,650; Feb. 20; v. 235; p. 853.
- Spring-wheel for vehicles. C. G. Smith. No. 1,218,585; Mar. 6; v. 236; p. 240.
- Spring-wheel mounting. F. M. Arnold. No. 1,214,743; Feb. 6; v. 235; p. 91.
- Springs. Adjustable hanger for. T. B. Jenkins. No. 1,216,458; Feb. 20; v. 235; p. 786.
- Springs. Detachable bumper for bolster. W. P. Noreen. No. 1,242,025; Oct. 2; v. 243; p. 177.
- Springs. Device for compressing. H. I. MacKeever. No. 1,246,969; Nov. 20; v. 244; p. 611.
- Springs. Flexible metal casing for laminated. B. B. Leustig. No. 1,235,211; July 31; v. 240; p. 1328.
- Springs. Flexible metal casing for laminated. B. B. Leustig. No. 1,240,350; Sept. 18; v. 242; p. 583.
- Springs in casings. Machine for placing. C. P. Read. No. 1,218,314; Mar. 6; v. 236; p. 150.
- Springs. Means for bending. C. and H. Sittner. No. 1,226,918; May 22; v. 238; p. 1090.
- Springs. Tension-adjusting device for counterbalance. A. K. Ternstedt. No. 1,215,589; Feb. 13; v. 235; p. 424.
- Sprinkler: See—
Automatic sprinkler. Lawn-sprinkler.
Irrigating-sprinkler. Lawn or garden sprinkler.
- Sprinkler. G. R. Bolander. No. 1,221,276; Apr. 3; v. 237; p. 98.
- Sprinkler. L. Shaw. No. 1,239,229; Sept. 4; v. 242; p. 163.
- Sprinkler. L. Shaw. No. 1,239,230; Sept. 4; v. 242; p. 164.
- Sprinkler apparatus, Automatic. E. L. Thompson. No. 1,246,798; Nov. 13; v. 244; p. 525.
- Sprinkler-head. A. Blauvelt. No. 1,236,901; Aug. 14; v. 241; p. 474.
- Sprinkler-head. E. M. Chandler. No. 1,244,031; Oct. 23; v. 243; p. 911.
- Sprinkler-head. E. M. Chandler. No. 1,250,281; Dec. 18; v. 245; p. 607.
- Sprinkler-head. J. J. Linehan. No. 1,241,747; Oct. 2; v. 243; p. 89.
- Sprinkler-head. C. H. Perry. No. 1,239,952; Sept. 11; v. 242; p. 422.
- Sprinkler-head, Automatic. J. Taylor. No. 1,220,025; Mar. 20; v. 236; p. 809.
- Sprinkler-heads, Link for. C. C. Abbott. No. 1,243,793; Oct. 23; v. 243; p. 839.
- Sprinkler-heads, Strut for automatic. D. A. Alexander. No. 1,240,292; Sept. 18; v. 242; p. 565.
- Sprinkler system, Automatic. P. J. Meilon. No. 1,212,096; Jan. 9; v. 234; p. 623.
- Sprinkler system. Hotbed. E. Sexton. No. 1,220,279; Mar. 27; v. 236; p. 938.
- Sprinkler systems. Signaling system for. N. H. Suren. No. 1,224,099; Apr. 24; v. 237; p. 1183.
- Sprinkler-tank equipment. R. J. Mansfield. No. 1,227,287; May 22; v. 238; p. 1215.
- Sprinkling device. L. A. Carpenter and R. Middleton. No. 1,222,847; Apr. 17; v. 237; p. 719.
- Sprinkling device. J. R. Rauhut. No. 1,225,857; May 15; v. 238; p. 695.
- Sprocket. C. F. Runner. No. 1,234,572; July 24; v. 240; p. 1098.
- Sprocket-wheel. W. Hay. No. 1,222,625; Apr. 17; v. 237; p. 642.
- Sprocket-wheel. C. M. Snider. No. 1,244,383; Oct. 23; v. 243; p. 1015.
- Sprocket-wheel. C. M. Snider. No. 1,244,384; Oct. 23; v. 243; p. 1015.

Alphabetical list of inventions—Continued.

- Sprocket-wheel. W. W. Willson. No. 1,227,353; May 22; v. 238; p. 1236.
- Sprocket-wheels, Adjustable bearing for. F. L. Morse. No. 1,218,686; Mar. 13; v. 236; p. 313.
- Spud lock, Slidable-. J. P. Karr. No. 1,233,582; July 17; v. 240; p. 744.
- Spun. G. W. Schreurs. No. 1,233,613; July 17; v. 240; p. 755.
- Spur. J. G. Negrete. No. 1,225,350; May 8; v. 238; p. 482.
- Sputum-receiver. F. Mühlbach. No. 1,221,207; Apr. 3; v. 237; p. 73.
- Square. E. E. Perkins. No. 1,215,848; Feb. 13; v. 235; p. 516.
- Square, Adjustable T-. S. C. Houghton. No. 1,230,901; June 26; v. 239; p. 968.
- Square, Adjustable try-. J. Scheeder. No. 1,232,613; July 10; v. 240; p. 390.
- Square and bevel for ascertaining the length of rafters, &c., Combined. J. C. Brown. No. 1,243,678; Oct. 16; v. 243; p. 767.
- Square and miter-gage, Combined carpenter's. C. F. Benjamin. No. 1,226,172; May 15; v. 238; p. 801.
- Square and miter-gage, Combined carpenter's. C. F. Benjamin. No. 1,226,173; May 15; v. 238; p. 802.
- Square, Carpenter's. G. Bick. No. 1,236,817; Aug. 14; v. 241; p. 449.
- Square, Carpenter's. S. Taylor. No. 1,239,742; Sept. 11; v. 242; p. 355.
- Square, Combination-. A. M. Remer and F. Hughes. No. 1,241,282; Sept. 25; v. 242; p. 908.
- Square, Computing folding. F. Shelby and P. Olmsted. No. 1,238,833; Sept. 4; v. 242; p. 37.
- Square, Drafting-. A. Randolph. No. 1,237,385; Aug. 21; v. 241; p. 668.
- Square, Folding. F. G. Wagner. No. 1,245,539; Nov. 6; v. 244; p. 120.
- Square, Folding combination pocket-. F. Shelby and P. Olmsted. No. 1,238,832; Sept. 4; v. 242; p. 36.
- Square, Framing-. A. L. Druckemiller. No. 1,240,035; Sept. 11; v. 242; p. 446.
- Square-gage. B. S. Thompson. No. 1,230,627; June 19; v. 239; p. 840.
- Square-hole drill. C. F. Hathaway. No. 1,212,634; Jan. 16; v. 234; p. 845.
- Square, Portable. C. A. Benson. No. 1,213,063; Jan. 16; v. 234; p. 994.
- Square, Roof-framing. R. Hill. No. 1,241,976; Oct. 2; v. 243; p. 161.
- Square, T-. F. W. Reilly. No. 1,242,722; Oct. 9; v. 243; p. 440.
- Square, T-. G. H. White. No. 1,243,786; Oct. 23; v. 243; p. 836.
- Squares, Attachment for T-. E. J. Brasseur. No. 1,231,120; June 26; v. 239; p. 1045.
- Squares, Lighting attachment for carpenters'. T. J. Smith. No. 1,210,997; Jan. 2; v. 234; p. 214.
- Squirrel-cage windings, End ring for. F. M. Whitney. No. 1,215,088; Feb. 6; v. 235; p. 213.
- Squirt, Cold-water. A. Gillis. No. 1,220,218; Mar. 27; v. 236; p. 915.
- Squeeze and jolt ramming-machine, Combined. T. J. Mumford. No. 1,242,364; Oct. 9; v. 243; p. 324.
- Stabilized support for instruments. J. Gardner. No. 1,237,027; Aug. 14; v. 241; p. 516.
- Stack-cleaner. D. Playva. No. 1,249,483; Dec. 11; v. 245; p. 335.
- Stacks, Temperature-signal for. W. R. Kleckner. No. 1,225,648; May 8; v. 238; p. 581.
- Stacker. F. J. MacDonald. No. 1,214,565; Feb. 6; v. 235; p. 28.
- Stacker. C. Pearson. No. 1,246,994; Nov. 20; v. 244; p. 618.
- Stacker for hay and the like. F. J. Mackey. No. 1,250,334; Dec. 18; v. 245; p. 623.
- Stacker, Grain-. T. Mahoney. No. 1,234,364; July 24; v. 240; p. 1032.
- Stacker, Hay-. A. F. Amman. No. 1,210,393; Jan. 2; v. 234; p. 4.
- Stacker, Hay-. H. W. Childers. No. 1,229,031; June 5; v. 239; p. 221.
- Stacker, Hay-. W. G. Duffield. No. 1,233,038; July 10; v. 240; p. 525.
- Stacker, Hay-. M. R. Jenkins. No. 1,235,804; Aug. 7; v. 241; p. 89.
- Stacker, Hay-. F. A. Kaeding. No. 1,242,812; Oct. 9; v. 243; p. 467.
- Stacker, Hay-. W. W. Lockwood. No. 1,243,746; Oct. 23; v. 243; p. 823.
- Stacker, Hay-. E. E. Parker. No. 1,229,507; June 12; v. 239; p. 430.
- Stacker, Hay-. A. and J. Raisanen. No. 1,221,375; Apr. 3; v. 237; p. 132.
- Stacker, Hay-. F. A. Uhls. No. 1,221,491; Apr. 3; v. 237; p. 172.
- Stacker-hood, Combination. J. W. Davis and J. W. Keller. No. 1,220,400; Mar. 27; v. 236; p. 981.
- Stacker mechanism, Pneumatic. W. S. Burton. No. 1,222,180; Apr. 10; v. 237; p. 444.
- Stacker, Pneumatic straw-. V. N. Perry. No. 1,226,588; May 15; v. 238; p. 939.
- Stacking machines, Turn-table structure for corn-. G. H. Caley. No. 1,215,108; Feb. 6; v. 235; p. 218.
- Stacking device, Grain-. T. Mahoney. No. 1,234,363; July 24; v. 240; p. 1032.
- Stage apparatus. K. H. Goldstein. No. 1,223,488; Apr. 24; v. 237; p. 971.
- Stage-setting. F. M. Smith and W. A. Robinson. No. 1,247,888; Nov. 27; v. 244; p. 909.
- Stage structure, Portable telescopic. W. Weil. No. 1,238,228; Aug. 28; v. 241; p. 971.
- Staging-clamp and shingle-bracket, Combined. J. H. S. Cloyd. No. 1,210,763; Jan. 2; v. 234; p. 132.
- Stair-form, Interlocking. N. Bois. No. 1,244,021; Oct. 23; v. 243; p. 908.
- Stair structure. A. L. Woodbridge. No. 1,219,614; Mar. 20; v. 236; p. 667.
- Stairway, Movable. F. E. Bessler. No. 1,219,695; Mar. 20; v. 236; p. 695.
- Stairway, Movable. F. E. Bessler. No. 1,219,696; Mar. 20; v. 236; p. 696.
- Stairway, Movable. F. E. Bessler. No. 1,219,697; Mar. 20; v. 236; p. 696.
- Stairway, Movable. J. Forbes. No. 1,237,627; Aug. 21; v. 241; p. 744.
- Stairway-platform. S. Lieberman. No. 1,248,141; Nov. 27; v. 244; p. 979.
- Stairway, Spiral. A. Leclair. No. 1,229,482; June 12; v. 239; p. 423.
- Stairways, Step for spiral. P. Duvinage. No. 1,215,352; Feb. 13; v. 235; p. 337.
- Stake-holder. G. E. Pederson. No. 1,235,372; July 31; v. 240; p. 1377.
- Stake-pocket. K. Ross. No. 1,218,957; Mar. 13; v. 236; p. 411.
- Stake-pocket and corner-brace, Combined. W. E. Parkins. No. 1,232,963; July 10; v. 240; p. 507.
- Stake-puller. R. S. Fox. No. 1,221,718; Apr. 3; v. 237; p. 248.
- Stalk-chopper. W. L. Glenn. No. 1,222,388; Apr. 10; v. 237; p. 517.
- Stalk-cutter. G. Gable. No. 1,237,194; Aug. 14; v. 241; p. 566.
- Stalk-cutter. F. A. McNally, H. M. and H. H. Gardner. No. 1,248,517; Dec. 4; v. 245; p. 25.
- Stalk-cutter. W. H. O'Hara. No. 1,249,178; Dec. 4; v. 245; p. 216.
- Stalk-cutter. C. S. Sharp. No. 1,247,018; Nov. 20; v. 244; p. 625.
- Stalk-cutters, Attachment for. J. Jansky. No. 1,249,103; Dec. 4; v. 245; p. 195.
- Stalk-cutting machine. C. R. Smith. No. 1,219,676; Mar. 20; v. 236; p. 689.
- Stalk-pulling implement. H. Dennis. No. 1,246,562; Nov. 13; v. 244; p. 456.
- Stall. J. B. Clay. No. 1,242,322; Oct. 9; v. 243; p. 311.
- Stall, Cattle-. W. Loudon. No. 1,236,326; Aug. 7; v. 241; p. 255.
- Stall construction. H. L. Ferris. No. 1,225,320; May 8; v. 238; p. 471.
- Stall-construction gate. H. L. Ferris. No. 1,241,364; Sept. 25; v. 242; p. 932.
- Stall-guard. W. Mitchell. No. 1,215,569; Feb. 13; v. 235; p. 417.
- Stalls, Stop device for. A. W. Knutson. No. 1,235,700; Aug. 7; v. 241; p. 64.
- Stamp. O. Lindsay and O. Hidalgo. No. 1,220,863; Mar. 27; v. 236; p. 1141.
- Stamp-affixer. W. J. Balkwill. No. 1,240,808; Sept. 25; v. 242; p. 756.
- Stamp-affixer. J. H. Barrow. No. 1,217,387; Feb. 27; v. 235; p. 1148.
- Stamp-affixer. J. E. Richmond, W. J. Balkwill, and W. F. Schweiger. No. 1,216,363; Feb. 20; v. 235; p. 751.
- Stamp-affixers, Counter mechanism for. W. J. Balkwill. No. 1,216,267; Feb. 20; v. 235; p. 717.
- Stamp-affixers, Registering device for. J. E. Richmond. No. 1,212,403; Jan. 16; v. 234; p. 763.
- Stamp-affixing machine. C. J. Fisher. No. 1,244,724; Oct. 30; v. 243; p. 1158.
- Stamp-affixing machine. G. L. Reichhelm. No. 1,239,624; Sept. 11; v. 242; p. 316.
- Stamp-affixing machine. W. F. Schweiger. No. 1,225,868; May 15; v. 238; p. 698.
- Stamp-affixing machine. G. A. Seely. No. 1,250,675; Dec. 18; v. 245; p. 724.
- Stamp-affixing machine. F. W. Storck. No. 1,211,499; Jan. 9; v. 234; p. 417.
- Stamp alining device, Hand-. C. J. Kennedy and W. W. Blackshaw. No. 1,249,417; Dec. 11; v. 245; p. 316.
- Stamp and envelop moistener. B. E. Edwards. No. 1,222,940; Apr. 17; v. 237; p. 750.
- Stamp and inking pad holder. G. N. Michaud. No. 1,237,538; Aug. 21; v. 241; p. 716.
- Stamp, crushing, and grinding mill, Combination. A. F. Levitt. No. 1,247,293; Nov. 20; v. 244; p. 704.
- Stamp, Cushioned hand-. R. L. Howell. No. 1,236,304; Aug. 7; v. 241; p. 248.
- Stamp, Dating-. E. C. Buehrer. No. 1,218,590; Mar. 6; v. 236; p. 242.
- Stamp, Dating-. C. S. Ellis. No. 1,219,584; Mar. 13; v. 236; p. 557.
- Stamp, Electric time-. C. S. Ellis. No. 1,213,345; Jan. 23; v. 234; p. 1127.
- Stamp, Hand-. C. J. Boyles. No. 1,235,424; July 31; v. 240; p. 1392.

- Stamp, Hand-. W. J. Denney. No. 1,231,505; June 26; v. 239; p. 1171.
- Stamp, Hand-. C. S. Ellis. No. 1,219,383; Mar. 13; v. 236; p. 557.
- Stamp, Hand-. E. N. Fales. No. 1,215,788; Feb. 13; v. 235; p. 494.
- Stamp, Hand-. H. S. Folger and T. Ross. No. 1,226,874; May 22; v. 238; p. 1076.
- Stamp, Hand-. R. R. Sandham. No. 1,227,204; May 22; v. 238; p. 1188.
- Stamp, Hand-. L. K. Scottford. No. 1,245,624; Nov. 6; v. 244; p. 146.
- Stamp, Hand-. M. G. Standley. No. 1,233,520; July 17; v. 240; p. 723.
- Stamp, Hand-. M. L. Willard. No. 1,236,801; Aug. 14; v. 241; p. 444.
- Stamp-mill. C. M. Mullen and R. E. Hall. No. 1,235,149; July 31; v. 240; p. 1309.
- Stamp, Monogram-. H. Stenstrom. No. 1,211,498; Jan. 9; v. 234; p. 417.
- Stamp-rack. H. Mendelsohn. No. 1,242,017; Oct. 2; v. 243; p. 175.
- Stamp receptacle and applying device. J. D. Mohr. No. 1,244,532; Oct. 30; v. 243; p. 1099.
- Stamp, Self-inking dating-. C. S. Ellis. No. 1,226,648; May 22; v. 238; p. 998.
- Stamp, Self-inking hand-. H. S. Folger and T. Ross. No. 1,230,391; June 19; v. 239; p. 759.
- Stamp, Self-inking hand-. H. S. Folger and T. Ross. No. 1,241,475; Sept. 25; v. 242; p. 964.
- Stamp, Signaling-. P. L. E. Del Fungo-Giera. No. 1,233,199; July 10; v. 240; p. 582.
- Stamp severing and feeding mechanism. I. C. Woodward. No. 1,238,241; Aug. 28; v. 241; p. 974.
- Stamp, Stencil-. D. E. Rice. No. 1,230,783; June 19; v. 239; p. 891.
- Stamps, Apparatus for making rubber. R. Wilday. No. 1,226,289; May 15; v. 238; p. 846.
- Stamps, Inking-pad for hand-. C. S. Ellis. No. 1,229,425; June 12; v. 239; p. 404.
- Stamping apparatus, in particular for marking articles to be laundered. A. Hammer and F. Egersdörfer. No. 1,235,565; Aug. 7; v. 241; p. 11.
- Stamping device. J. T. Quigley. No. 1,222,029; Apr. 10; v. 237; p. 391.
- Stamping device. L. G. Sclenberger. No. 1,232,990; July 10; v. 240; p. 513.
- Stamping device. M. Silverstene. No. 1,248,184; Nov. 27; v. 244; p. 991.
- Stamping die mechanism. A. W. Erickson. No. 1,236,828; Aug. 14; v. 241; p. 452.
- Stamping-machine. M. Fodge and L. P. Southwick. No. 1,244,438; Oct. 23; v. 243; p. 1032.
- Stamping-machine indicator. J. G. Allen. No. 1,219,418; Mar. 20; v. 236; p. 599.
- Stamping machine. Lumber-. B. E. Simpson. No. 1,225,513; May 8; v. 238; p. 535.
- Stamping-machines, Marking, contrivance for roller. C. Lindström. No. 1,230,495; June 19; v. 239; p. 795.
- Stamping-press-feeding mechanism. E. M. Covert. No. 1,239,463; Sept. 11; v. 242; p. 266.
- Stamping-tool or punch. T. B. Lear. No. 1,210,956; Jan. 2; v. 234; p. 200.
- Stampings and drawn shells, Apparatus for producing flat surfaces on the edges of. C. R. Gabriel. No. 1,235,197; July 31; v. 240; p. 1324.
- Stanchion. E. T. Abendroth. No. 1,223,922; Apr. 24; v. 237; p. 1124.
- Stanchion. D. G. Conn. No. 1,214,428; Jan. 30; v. 234; p. 1528.
- Stanchion. L. O. French. No. 1,239,783; Sept. 11; v. 242; p. 368.
- Stanchion. L. O. French. No. 1,239,784; Sept. 11; v. 242; p. 369.
- Stanchion. J. James. No. 1,211,586; Jan. 9; v. 234; p. 448.
- Stanchion. H. C. Rassmann. No. 1,239,963; Sept. 11; v. 242; p. 425.
- Stanchion. G. Soliday. No. 1,212,701; Jan. 16; v. 234; p. 871.
- Stanchion. A. E. Westcott. No. 1,227,227; May 22; v. 238; p. 1196.
- Stanchion and guard, Combined. L. O. French. No. 1,239,782; Sept. 11; v. 242; p. 368.
- Stanchion, Cattle-. F. R. Ashton. No. 1,250,759; Dec. 18; v. 245; p. 749.
- Stanchion, Cattle-. W. G. Beatty. No. 1,225,003; May 8; v. 238; p. 363.
- Stanchion, Cattle-. A. Fritz. No. 1,217,434; Feb. 27; v. 235; p. 1165.
- Stanchion, Cattle-. A. Fritz. No. 1,217,435; Feb. 27; v. 235; p. 1165.
- Stanchion, Cattle-. W. Gutenkunst. No. 1,235,683; Aug. 7; v. 241; p. 49.
- Stanchion, Cattle-. W. Gutenkunst. No. 1,239,906; Sept. 11; v. 242; p. 408.
- Stanchion, Cattle-. A. Kugler. No. 1,234,044; July 17; v. 240; p. 891.
- Stanchion, Cattle-. J. F. Stevens and J. G. Davis. No. 1,232,117; July 3; v. 240; p. 197.
- Stanchion-head. A. W. Knutson. No. 1,246,758; Nov. 13; v. 244; p. 512.
- Stanchions, Locking-head for. A. W. Knutson. No. 1,216,327; Feb. 20; v. 235; p. 739.
- Stanchions, Sure-stop attachment for. M. B. Moyer. No. 1,215,398; Feb. 13; v. 235; p. 352.
- Stand: See—
- Barrel-stand. Music-stand.
- Blacking-stand. Napkin-holder stand.
- Boiler-stand. Packing-stand.
- Book-supporting stand. Picture-machine stand.
- Calendar-stand. Pulley-stand.
- Christmas-tree stand. Sad-iron stand.
- Cycle-stand. Sad-iron-supporting stand.
- Display-stand. Serving-stand.
- Drill-stand. Shampooing-stand.
- Electric-iron stand. Shoe-polishing stand.
- Electric-light stand. Shoe-shining stand.
- Engine-repair stand. Smoker's stand.
- Extension-stand. Stripping-stand.
- Folding stand. Switch-stand.
- Fruit-stand. Telephone-stand.
- Garment-stand. Thread-stand.
- Grinding-wheel stand. Tree-stand.
- Hall-stand. Type-writer stand.
- Hammock-stand. Umbrella and similar stand.
- Hod-stand. Washstand.
- Horseshoer's stand. Watch-stand.
- Mechanical-dresses stand. Window-stand.
- Stand. J. Allan. No. 1,220,386; Mar. 27; v. 236; p. 977.
- Stand. E. A. Banschbach. No. 1,219,220; Mar. 13; v. 236; p. 500.
- Stand. N. De Long. No. 1,235,295; July 31; v. 240; p. 1354.
- Stand. R. Sellick. No. 1,222,685; Apr. 17; v. 237; p. 664.
- Stand and support, Collapsible. S. Kalisz. No. 1,241,987; Oct. 2; v. 243; p. 135.
- Stand for bicycles and other vehicles. P. Tourtier. No. 1,211,898; Jan. 9; v. 234; p. 558.
- Stand for coiled material. S. C. Cary. No. 1,239,082; Sept. 4; v. 242; p. 116.
- Stands, Measuring, cutting, and displaying means for oil-cloth. J. L. Mueller. No. 1,234,926; July 31; v. 240; p. 1242.
- Staple. J. O. Lotz and J. L. Sanders. No. 1,217,968; Mar. 6; v. 236; p. 28.
- Staple-extractor. C. O. White. No. 1,241,179; Sept. 25; v. 242; p. 872.
- Staple making and applying machine. C. Lea. No. 1,214,930; Feb. 6; v. 235; p. 157.
- Staple making and setting machine. C. Niskanen. No. 1,246,455; Nov. 13; v. 244; p. 423.
- Staple, Rope handle-securing. H. Wegwart. No. 1,230,246; June 19; v. 239; p. 713.
- Staple-set. E. P. Chapman. No. 1,213,334; Jan. 23; v. 234; p. 1123.
- Staple, Wire. C. Tervo. No. 1,240,054; Sept. 25; v. 242; p. 833.
- Stapling device. M. R. Hutchison. No. 1,235,140; July 31; v. 240; p. 1307.
- Stapling device. J. S. McChesney. No. 1,239,496; Sept. 11; v. 242; p. 276.
- Stapling-machine. E. Craig. No. 1,211,823; Jan. 9; v. 234; p. 530.
- Stapling-machine. J. B. Crofoot. No. 1,224,075; Apr. 24; v. 237; p. 1175.
- Stapling-machine. J. H. Fuller. No. 1,242,934; Oct. 16; v. 243; p. 541.
- Stapling-machine. E. T. Greenfield. No. 1,217,749; Feb. 27; v. 235; p. 1276.
- Stapling-machine. J. Pagliarul. No. 1,212,546; Jan. 16; v. 234; p. 813.
- Stapling-machine. R. Parsons. No. 1,238,327; Aug. 28; v. 241; p. 1004.
- Stapling-machine. A. F. Shafer. No. 1,222,149; Apr. 10; v. 237; p. 433.
- Stapling-machines, Clenching-block for. H. B. Walter. No. 1,250,735; Dec. 18; v. 245; p. 743.
- Stapling-tool. J. E. Crandall. No. 1,250,566; Dec. 18; v. 245; p. 694.
- Starch and product thereof, Making. C. C. Moore. No. 1,224,951; May 8; v. 238; p. 346.
- Starch, Fireproofing. W. D'Rohan. No. 1,248,092; Nov. 27; v. 244; p. 964.
- Starch from adhering dust or powder, Apparatus for freeing lump-. A. W. H. Leniders. No. 1,223,406; Apr. 24; v. 237; p. 941.
- Starch, Obtaining. H. C. Holden. No. 1,221,990; Apr. 10; v. 237; p. 377.
- Starch-table. W. Bartholomew and C. M. Leary. No. 1,211,885; Jan. 9; v. 234; p. 380.
- Starching-machine. P. N. Braun. No. 1,245,999; Nov. 6; v. 244; p. 255.
- Starching-machine. J. Lynch. No. 1,211,197; Jan. 2; v. 234; p. 281.
- Starching-machine. V. G. Smith and O. J. Shoemaker. No. 1,235,732; Aug. 7; v. 241; p. 65.
- Starter-coupling. F. B. Williams. No. 1,226,933; May 22; v. 238; p. 1094.
- Starter, Impulse-. E. Gassmann. No. 1,251,216; Dec. 25; v. 245; p. 934.
- Starter mechanism. H. J. Joerden. No. 1,243,607; Oct. 16; v. 243; p. 745.
- Starting and generating mechanism. J. P. Nikonow. No. 1,231,638; July 3; v. 240; p. 33.
- Starting and generating mechanism. C. E. Wilson. No. 1,231,682; July 3; v. 240; p. 50.

Alphabetical list of inventions—Continued.

- Starting and ignition apparatus. B. M. Leece. No. 1,214,555; Feb. 6; v. 235; p. 25.
- Starting and ignition machine. F. Conrad. No. 1,237,172; Aug. 14; v. 241; p. 560.
- Starting and ignition switching device and circuits therefor. Combined. W. J. Hart. No. 1,226,971; May 22; v. 238; p. 1110.
- Starting and lighting system. J. B. Entz. No. 1,239,777; Sept. 11; v. 242; p. 365.
- Starting and lighting system. W. A. Turbayne. No. 1,250,720; Dec. 18; v. 245; p. 738.
- Starting and lighting unit. F. B. Rae. No. 1,246,156; Nov. 13; v. 244; p. 332.
- Starting and stopping mechanism. W. Shaw. No. 1,243,769; Oct. 23; v. 243; p. 831.
- Starting device. F. Allison. No. 1,225,558; May 8; v. 238; p. 551.
- Starting device. W. C. Henderson. No. 1,214,917; Feb. 6; v. 235; p. 152.
- Starting device. H. L. Van Valkenburg. No. 1,215,224; Feb. 6; v. 235; p. 258.
- Starting mechanism. A. Loomis. No. 1,229,627; June 12; v. 239; p. 472.
- Starting mechanism, Electric. L. R. McCutchen. No. 1,242,959; Oct. 16; v. 243; p. 549.
- Starting mechanisms, Safety device for. B. P. Swyers. No. 1,242,267; Oct. 9; v. 243; p. 293.
- Starting-switch. J. N. Mahoney and G. L. Christman. No. 1,248,519; Dec. 4; v. 245; p. 26.
- Starting-switch. A. K. Sutherland. No. 1,229,670; June 12; v. 239; p. 486.
- Statement and check-book, Combination. W. P. Marston, Jr. No. 1,245,483; Nov. 6; v. 244; p. 101.
- Statement-sheet. B. Willis. No. 1,244,815; Oct. 30; v. 243; p. 1185.
- Static protective device. R. P. Jackson. No. 1,217,453; Feb. 27; v. 235; p. 1172.
- Station-indicator. W. E. French. No. 1,222,280; Apr. 10; v. 237; p. 479.
- Station-indicator. H. S. Halton. No. 1,220,509; Mar. 27; v. 236; p. 1019.
- Station-indicator. J. W. Kelly. No. 1,239,401; Sept. 4; v. 242; p. 217.
- Station-indicator. E. H. Reynolds. No. 1,251,419; Dec. 25; v. 245; p. 994.
- Station-indicator. R. Watkin. No. 1,237,844; Aug. 21; v. 241; p. 813.
- Station or street indicator. G. A. Stenson. No. 1,234,815; July 31; v. 240; p. 1206.
- Stationery. C. C. Gruhler. No. 1,229,442; June 12; v. 239; p. 408.
- Stave-jointing machine. W. S. Minor. No. 1,229,307; June 12; v. 239; p. 364.
- Stave-jointing machine. E. W. Robinson. No. 1,237,098; Aug. 14; v. 241; p. 539.
- Stave-jointing machine. N. P. Spayd. No. 1,228,351; May 29; v. 238; p. 1599.
- Stave-sawing machine, Automatic. G. B. Hamrie. No. 1,224,635; May 1; v. 238; p. 185.
- Stave steaming and drying apparatus. H. F. Marten, H. Grahn, and J. C. Andresen. No. 1,250,480; Dec. 18; v. 245; p. 667.
- Stay-applying machines, Feeding device for. H. De Smith. No. 1,225,018; May 8; v. 238; p. 368.
- Stay-bolt. J. Fotheringill. No. 1,244,308; Oct. 23; v. 243; p. 994.
- Stay-bolt-heading attachment for pneumatic hammers, &c. W. H. Diffendall. No. 1,233,560; July 17; v. 240; p. 736.
- Stay-bolt iron. W. Jenkins. No. 1,231,898; July 3; v. 240; p. 122.
- Stay-bolt structure. B. E. D. Stafford and E. I. Dodds. No. 1,216,621; Feb. 20; v. 235; p. 844.
- Stay-bolt structure. B. E. D. Stafford and E. I. Dodds. No. 1,216,622; Feb. 20; v. 235; p. 844.
- Stay-bolt tap. W. A. Cook. No. 1,235,114; July 31; v. 240; p. 1300.
- Stay-bolt-testing device. E. I. Dodds. No. 1,236,066; Aug. 7; v. 241; p. 174.
- Stay-bolts, Flexible sleeve for. A. G. Ruber and C. H. Porter. No. 1,225,501; May 8; v. 238; p. 531.
- Stay-bolts, Making. E. I. Dodds. No. 1,226,480; May 15; v. 238; p. 906.
- Stay-bolts, Means for and method of testing. E. I. Dodds. No. 1,236,064; Aug. 7; v. 241; p. 174.
- Stay-bolts of boilers, Testing the. E. I. Dodds. No. 1,236,067; Aug. 7; v. 241; p. 175.
- Stay, Friction. O. C. Rixson. No. 1,225,359; May 8; v. 238; p. 485.
- Stay, Garment. J. F. Kitchen. No. 1,212,960; Jan. 16; v. 234; p. 958.
- Stay, Garment. J. F. Kitchen. No. 1,212,961; Jan. 16; v. 234; p. 959.
- Stay, Garment. W. J. Roche. No. 1,212,811; Jan. 16; v. 234; p. 907.
- Stay, Garment. W. J. Roche. No. 1,212,812; Jan. 16; v. 234; p. 908.
- Stay, Garment. W. J. Roche. No. 1,213,952; Jan. 30; v. 234; p. 1364.
- Stay, Garment. W. J. Roche. No. 1,213,953; Jan. 30; v. 234; p. 1365.
- Stay, Garment. E. L. Spangler. No. 1,242,064; Oct. 2; v. 243; p. 189.
- Stay, Garment. F. L. O. Wadsworth. No. 1,212,856; Jan. 16; v. 234; p. 922.
- Stay, Garment. J. M. Welsh. No. 1,213,985; Jan. 30; v. 234; p. 1375.
- Stay, Garment. F. W. Winter. No. 1,216,037; Feb. 13; v. 235; p. 585.
- Stays, Designing corset. H. M. McCormick. No. 1,221,811; Apr. 3; v. 237; p. 282.
- Stays, Device for making wire. R. W. Steen. No. 1,246,345; Nov. 13; v. 244; p. 390.
- Stays, Forming garment. C. R. Nelson. No. 1,219,845; Mar. 20; v. 236; p. 747.
- Stays, Forming wire. C. R. Nelson. No. 1,246,145; Nov. 13; v. 244; p. 330.
- Stays, Machine for making garment. F. L. O. Wadsworth. No. 1,212,857; Jan. 16; v. 234; p. 923.
- Stays, Machine for making garment. F. L. O. Wadsworth. No. 1,250,252; Dec. 18; v. 245; p. 598.
- Stays, Machine for tipping garment. M. D. Watrous. No. 1,244,266; Oct. 23; v. 243; p. 981.
- Stays, Making garment. F. L. O. Wadsworth. No. 1,250,253; Dec. 18; v. 245; p. 598.
- Steady-rest. J. S. Wilcox, Jr., A. Turner, and H. W. Dunbar. No. 1,214,629; Feb. 6; v. 235; p. 51.
- Steam, air, or other gas meter. G. H. Barrus. No. 1,217,899; Mar. 6; v. 236; p. 5.
- Steam and gas boiler. B. Bouda. No. 1,238,877; Sept. 4; v. 242; p. 51.
- Steam and hot-water mixer, Thermostatic. M. O. Snediker. No. 1,243,999; Oct. 23; v. 243; p. 901.
- Steam and oil separator. O. E. Oleson. No. 1,228,237; May 29; v. 238; p. 1562.
- Steam, Apparatus for regulating the temperature of superheated. D. S. Jacobus. No. 1,231,895; July 3; v. 240; p. 121.
- Steam-boiler. C. Z. and E. S. Alexander. No. 1,240,804; Sept. 25; v. 242; p. 755.
- Steam-boiler. J. E. Bell. No. 1,215,765; Feb. 13; v. 235; p. 486.
- Steam-boiler. C. Campbell. No. 1,211,912; Jan. 9; v. 234; p. 563.
- Steam-boiler. J. S. Chambers. No. 1,250,091; Dec. 11; v. 245; p. 512.
- Steam-boiler. M. R. Colby. No. 1,221,028; Apr. 3; v. 237; p. 9.
- Steam-boiler. R. Faries. No. 1,221,431; Apr. 3; v. 237; p. 151.
- Steam-boiler. H. Furman. No. 1,244,316; Oct. 23; v. 243; p. 996.
- Steam-boiler. C. Harter. No. 1,249,079; Dec. 4; v. 245; p. 188.
- Steam-boiler. I. Harter, Jr. No. 1,244,603; Oct. 30; v. 243; p. 1121.
- Steam-boiler. D. S. Jacobus. No. 1,231,896; July 3; v. 240; p. 121.
- Steam-boiler. D. S. Jacobus. No. 1,250,181; Dec. 18; v. 245; p. 577.
- Steam-boiler. A. Johnson. No. 1,241,985; Oct. 2; v. 243; p. 164.
- Steam-boiler. H. D. Kelly. No. 1,235,811; Aug. 7; v. 241; p. 93.
- Steam-boiler. I. L. Moore. No. 1,244,067; Oct. 23; v. 243; p. 921.
- Steam-boiler. T. A. O'Neal and J. S. Nichols. No. 1,234,073; July 17; v. 240; p. 899.
- Steam-boiler. T. T. Parker. No. 1,224,662; May 1; v. 238; p. 195.
- Steam-boiler. H. J. Webster. No. 1,225,293; May 8; v. 238; p. 461.
- Steam-boiler. W. H. Winslow. No. 1,236,641; Aug. 14; v. 241; p. 390.
- Steam-boiler or fluid-heater. N. Cooper. No. 1,210,766; Jan. 2; v. 234; p. 133.
- Steam-chest. H. H. Baumgarn. No. 1,221,271; Apr. 3; v. 237; p. 96.
- Steam-condensing plant. D. B. Morison. No. 1,243,201; Oct. 16; v. 243; p. 625.
- Steam-condensing plant. D. B. Morison. No. 1,246,771; Nov. 13; v. 244; p. 516.
- Steam-cup. A. P. Daniel. No. 1,226,473; May 15; v. 238; p. 903.
- Steam detector and recorder. Waste. T. E. Buck. No. 1,243,702; Oct. 23; v. 243; p. 807.
- Steam-dome separator and boiler-skimmer. C. C. Miller. No. 1,239,931; Sept. 11; v. 242; p. 416.
- Steam-engine. W. Ranft. No. 1,232,083; July 3; v. 240; p. 185.
- Steam-engine. H. C. Dunning. No. 1,243,494; Oct. 16; v. 243; p. 711.
- Steam-engine. B. V. Nordberg. No. 1,241,875; Oct. 2; v. 243; p. 130.
- Steam-engine. S. Rosenzweig. No. 1,232,093; July 3; v. 240; p. 189.
- Steam-engine. S. Rosenzweig. No. 1,239,826; Sept. 11; v. 242; p. 382.
- Steam-engine. S. Rosenzweig. No. 1,239,827; Sept. 11; v. 242; p. 383.
- Steam-engine. F. Shuman. No. 1,218,219; Mar. 6; v. 236; p. 115.
- Steam-engine. L. J. Todd. No. 1,239,747; Sept. 11; v. 242; p. 356.
- Steam-engine. W. M. Wilkin. No. 1,214,858; Feb. 6; v. 235; p. 129.

- Steam-engine. W. M. Wilkin. No. 1,214,859; Feb. 6; v. 235; p. 130.
- Steam-engine for locomotives. H. Lentz. No. 1,225,342; May 8; v. 238; p. 479.
- Steam-engine, Mid-exhaust. H. Lentz. No. 1,246,953; Nov. 20; v. 244; p. 606.
- Steam-engine, Multiple-expansion. H. Lentz. No. 1,224,939; May 8; v. 238; p. 342.
- Steam-engine, Reversible rotary. A. Phillips. No. 1,215,984; Feb. 13; v. 235; p. 665.
- Steam-engine, Single-acting, condensing, continuous-current. K. Schmid. No. 1,227,836; May 29; v. 238; p. 1428.
- Steam-engine, water-wheel, and gasoline-engine muffler, Multiple-expansion rotary. A. Thomson. No. 1,238,457; Aug. 28; v. 241; p. 1046.
- Steam-generating plant. J. L. Hoffman. No. 1,246,428; Nov. 13; v. 244; p. 415.
- Steam-generation. W. A. Bone, J. W. Wilson, and C. D. McCourt. No. 1,230,990; June 26; v. 239; p. 999.
- Steam generation and utilization. H. C. Mallory. No. 1,236,854; Aug. 14; v. 241; p. 460.
- Steam-generator. W. N. Best. No. 1,212,889; Jan. 16; v. 234; p. 933.
- Steam-generator. E. V. Brown. No. 1,235,764; Aug. 7; v. 241; p. 76.
- Steam-generator. H. C. Heaton. No. 1,242,438; Oct. 9; v. 243; p. 347.
- Steam-generator. C. Radiguer. No. 1,212,556; Jan. 16; v. 234; p. 817.
- Steam-generator, Portable. J. R. Anderson. No. 1,228,867; June 5; v. 239; p. 168.
- Steam-generator with superheater, Water-tube. J. Dornan. No. 1,241,356; Sept. 25; v. 242; p. 929.
- Steam-generators, oil-burners, &c., Automatic water-feed device for. J. L. Groves. No. 1,239,267; Sept. 4; v. 242; p. 176.
- Steam-motor. E. W. Schuster. No. 1,231,207; June 26; v. 239; p. 1073.
- Steam-plate. O. P. Bushnell. No. 1,245,674; Nov. 6; v. 244; p. 162.
- Steam-purifying device. C. A. Parsons. No. 1,247,320; Nov. 20; v. 244; p. 711.
- Steam-regulating device. D. O. Aspelund. No. 1,247,611; Nov. 27; v. 244; p. 826.
- Steam, Regulating the temperature of superheated. D. S. Jacobus. No. 1,231,894; July 3; v. 240; p. 121.
- Steam-separator. C. Armstrong. No. 1,248,054; Nov. 27; v. 244; p. 953.
- Steam-separator. R. Carpenter. No. 1,243,258; Oct. 16; v. 243; p. 640.
- Steam-separator. W. S. Elliott. No. 1,234,316; July 24; v. 240; p. 1015.
- Steam-separator. J. T. Lindstrom. No. 1,227,278; May 22; v. 238; p. 1213.
- Steam-separator. F. Pacziga. No. 1,223,101; Apr. 17; v. 237; p. 806.
- Steam-separator. P. H. Pinder. No. 1,239,823; Sept. 11; v. 242; p. 381.
- Steam-shovels, Steering-gear for revolving. H. J. Barnhart. No. 1,214,264; Jan. 30; v. 234; p. 1471.
- Steam-table. H. F. Bechman. No. 1,227,106; May 22; v. 238; p. 1155.
- Steam-table. J. F. Robbins. No. 1,217,880; Feb. 27; v. 235; p. 1319.
- Steam-trap. C. H. Atkins. No. 1,216,394; Feb. 20; v. 235; p. 763.
- Steam-trap. B. L. Clover. No. 1,215,912; Feb. 13; v. 235; p. 539.
- Steam-trap. T. J. Cookson. No. 1,233,450; July 17; v. 240; p. 699.
- Steam-trap. C. E. Fagan. No. 1,231,144; June 26; v. 239; p. 1052.
- Steam-trap. F. A. Littlefield. No. 1,218,606; Mar. 6; v. 236; p. 246.
- Steam-trap. G. B. Williams. No. 1,224,821; May 1; v. 238; p. 250.
- Steam-trap. J. Zorzytzki. No. 1,234,251; July 24; v. 240; p. 994.
- Steam-trap and boiler-feeder. T. G. Rakestraw. No. 1,211,753; Jan. 9; v. 234; p. 504.
- Steam-utilizing plant. T. D. Nuttall. No. 1,247,566; Nov. 20; v. 244; p. 781.
- Steamer. J. H. Wolterstorff. No. 1,227,354; May 22; v. 238; p. 1237.
- Steamer, cleaner, and presser. G. Franks and O. Sproesslg. No. 1,218,639; Mar. 13; v. 236; p. 296.
- Steamer, Trousers-. T. Hlubucek. No. 1,243,176; Oct. 16; v. 243; p. 616.
- Steaming and folding apparatus, Cloth. M. J. Moss. No. 1,247,311; Nov. 20; v. 244; p. 708.
- Steaming apparatus for petrol-tanks and the like. T. A. Jr., and F. Crompton. No. 1,245,878; Nov. 6; v. 244; p. 223.
- Steaming apparatus, Material-. P. J. Bue and H. M. Tidwell. No. 1,243,251; Oct. 16; v. 243; p. 638.
- Steaming device, Garment-. T. Hlubucek. No. 1,243,175; Oct. 16; v. 243; p. 615.
- Steaming device, Plush-coat-sleeve-. F. Wellen. No. 1,241,689; Oct. 2; v. 243; p. 70.
- Steel, Alloy tool-. J. H. Parker and B. H. De Long. No. 1,233,118; July 10; v. 240; p. 554.
- Steel and iron, Making. S. S. Knight. No. 1,213,806; Jan. 23; v. 234; p. 1284.
- Steel and tin plates, Heating. V. C. Smith. No. 1,211,635; Jan. 9; v. 234; p. 464.
- Steel, Apparatus for handling molten. J. C. Davis. No. 1,223,479; Apr. 24; v. 237; p. 968.
- Steel, Apparatus for heat treatment of. T. J. Fay. No. 1,249,056; Dec. 4; v. 245; p. 182.
- Steel box. G. F. Behringer. No. 1,237,281; Aug. 21; v. 241; p. 633.
- Steel framework construction, Hanger or clip for. W. F. Le Morte. No. 1,218,283; Mar. 6; v. 236; p. 139.
- Steel-furnace, Electric. J. L. Dixon. No. 1,214,764; Feb. 6; v. 235; p. 98.
- Steel-furnace, Electrically-heated. J. L. Dixon. No. 1,214,763; Feb. 6; v. 235; p. 98.
- Steel, High-speed. J. M. Flannery. No. 1,210,625; Jan. 2; v. 234; p. 86.
- Steel, High-speed. J. M. Flannery. No. 1,210,626; Jan. 2; v. 234; p. 86.
- Steel, High-speed. J. M. Flannery. No. 1,210,627; Jan. 2; v. 234; p. 86.
- Steel in side-blown converters, Producing. J. H. Hall. No. 1,249,075; Dec. 4; v. 245; p. 187.
- Steel ingots, Apparatus for treating. E. J. Flynn, Jr. No. 1,212,470; Jan. 16; v. 234; p. 786.
- Steel-making process. G. G. McMurtry. No. 1,217,972; Mar. 6; v. 236; p. 29.
- Steel, Manufacture of. F. D. Carney and L. B. Lindemuth. No. 1,223,030; Apr. 17; v. 237; p. 781.
- Steel, Manufacture of. G. J. B. Chetwynd. No. 1,211,545; Jan. 9; v. 234; p. 435.
- Steel partition and the like. H. Klein. No. 1,241,635; Oct. 2; v. 243; p. 54.
- Steel-retainer. C. A. Hultquist. No. 1,238,018; Aug. 21; v. 241; p. 868.
- Steel squares and the like, Attachment for. J. H. Johnson. No. 1,225,132; May 8; v. 238; p. 406.
- Steel-tempering compound. C. C. Trinkle. No. 1,243,899; Oct. 23; v. 243; p. 872.
- Steel tie. J. H. Gideon. No. 1,228,903; June 5; v. 239; p. 180.
- Steel to prevent rusting, Treating. R. L. Gooding. No. 1,247,668; Nov. 27; v. 244; p. 844.
- Steering apparatus. J. L. Johnson. No. 1,224,549; May 1; v. 238; p. 156.
- Steering apparatus for ships. H. Timm. No. 1,220,026; Mar. 20; v. 236; p. 809.
- Steering apparatus, Submarine. A. Citroen. No. 1,213,153; Jan. 23; v. 234; p. 1058.
- Steering-arm. E. J. Lindsey. No. 1,218,424; Mar. 6; v. 236; p. 186.
- Steering attachment. P. Crosley, Jr. No. 1,214,651; Feb. 6; v. 235; p. 60.
- Steering device. A. Afanador. No. 1,213,057; Jan. 16; v. 234; p. 992.
- Steering device. J. R. Buttweiler. No. 1,212,451; Jan. 16; v. 234; p. 780.
- Steering device. W. B. Thomas. No. 1,226,411; May 15; v. 238; p. 884.
- Steering device, Automatic safety. C. L. McGrew. No. 1,221,761; Apr. 3; v. 237; p. 263.
- Steering device, Auxiliary. M. De Arrigunaga. (Reissue.) No. 14,348; Sept. 4; v. 242; p. 230.
- Steering device for vessels, Auxiliary hydraulic. A. McDougall. No. 1,243,197; Oct. 16; v. 243; p. 624.
- Steering-gear. G. H. Chaplain. No. 1,233,025; July 10; v. 240; p. 524.
- Steering-gear. C. L. Flora. No. 1,218,071; Mar. 6; v. 236; p. 64.
- Steering-gear. J. L. Goss. No. 1,232,281; July 3; v. 240; p. 249.
- Steering-gear. J. P. Lavigne. No. 1,222,872; Apr. 17; v. 237; p. 729.
- Steering-gear. W. A. Morkert. No. 1,226,568; May 15; v. 238; p. 933.
- Steering-gear. J. R. S. Smith. No. 1,223,907; Apr. 24; v. 237; p. 1119.
- Steering-gear attachment. L. T. Kennedy. No. 1,215,168; Feb. 6; v. 235; p. 239.
- Steering-gear lock. M. M. Mueller. No. 1,236,098; Aug. 7; v. 241; p. 184.
- Steering-gear lock. W. R. Sink. No. 1,249,680; Dec. 11; v. 245; p. 392.
- Steering-gear-locking mechanism. J. L. Cook. No. 1,248,620; Dec. 4; v. 245; p. 57.
- Steering-gear mechanism. F. E. Bager. No. 1,233,299; July 17; v. 240; p. 648.
- Steering-gear mechanism. P. B. Wohlrab. No. 1,232,148; July 3; v. 240; p. 207.
- Steering-gear, Non-reversing. C. L. Olmstead. No. 1,232,379; July 3; v. 240; p. 280.
- Steering-knuckle. F. E. Church. No. 1,225,110; May 8; v. 238; p. 400.
- Steering-knuckle. W. J. P. Moore. No. 1,234,923; July 31; v. 240; p. 1241.
- Steering-knuckle joint. J. Walters. No. 1,238,852; Sept. 4; v. 242; p. 42.
- Steering mechanism. W. A. Besserdich. (Reissue.) No. 14,249; Jan. 16; v. 234; p. 1021.
- Steering mechanism. J. M. Denning. No. 1,250,813; Dec. 18; v. 245; p. 767.
- Steering mechanism. W. C. Ferris. No. 1,237,188; Aug. 14; v. 241; p. 564.
- Steering mechanism. W. I. Twombly. No. 1,225,289; May 8; v. 238; p. 459.

Alphabetical list of inventions—Continued.

- Steering mechanism. S. S. Weaver. No. 1,223,913; Apr. 24; v. 237; p. 1121.
- Steering mechanism, Electric. J. O. Heinze. No. 1,231,885; July 3; v. 240; p. 118.
- Steering mechanism for ships, Sternway-. C. O. Griswold. No. 1,235,681; Aug. 7; v. 241; p. 48.
- Steering-pillar, Hinged. F. H. Solomon. No. 1,230,528; June 19; v. 239; p. 806.
- Steering-post brace. L. D. Walker. No. 1,230,245; June 19; v. 239; p. 713.
- Steering-posts, Push-button for. M. S. Young. No. 1,247,357; Nov. 20; v. 244; p. 722.
- Steering-wheel. C. Bateholts. No. 1,212,169; Jan. 16; v. 234; p. 678.
- Steering-wheel. L. Chevrolet. No. 1,238,262; Aug. 28; v. 241; p. 982.
- Steering-wheel. L. M. Cooper. No. 1,236,148; Aug. 7; v. 241; p. 198.
- Steering-wheel. C. M. Douglass. No. 1,237,489; Aug. 21; v. 241; p. 700.
- Steering-wheel. A. S. Dysart. No. 1,216,670; Feb. 20; v. 235; p. 859.
- Steering-wheel. E. J. Lobdell. No. 1,236,455; Aug. 14; v. 241; p. 329.
- Steering-wheel. H. S. Morgan. No. 1,220,877; Mar. 27; v. 236; p. 1144.
- Steering-wheel. H. S. Morgan. No. 1,220,878; Mar. 27; v. 236; p. 1144.
- Steering-wheel. A. G. Neville. No. 1,239,943; Sept. 11; v. 242; p. 420.
- Steering-wheel. L. C. Pritchard. No. 1,232,969; July 10; v. 240; p. 508.
- Steering-wheel. F. Von Elbertz. No. 1,242,279; Oct. 9; v. 243; p. 297.
- Steering-wheel. S. O. White. No. 1,233,284; July 10; v. 240; p. 607.
- Steering-wheel and lock for motor-vehicles, Combined. S. O. Thorell. No. 1,238,598; Aug. 28; v. 241; p. 1091.
- Steering-wheel attachment. M. K. Lewis. No. 1,247,425; Nov. 20; v. 244; p. 742.
- Steering-wheel indicator. G. S. Rodd. No. 1,217,105; Feb. 20; v. 235; p. 1006.
- Steering-wheel lock. J. F. G. Smith. No. 1,212,288; Jan. 23; v. 234; p. 1106.
- Steering-wheel lock. C. E. Thomsen. No. 1,248,204; Nov. 27; v. 244; p. 996.
- Steering-wheel lock, Vehicle-. B. E. Beers. No. 1,250,127; Dec. 18; v. 245; p. 560.
- Steering-wheel-locking device. P. E. Snyder. No. 1,216,871; Feb. 20; v. 235; p. 927.
- Steering-wheel, Motor-vehicle. E. E. Davis. No. 1,246,244; Nov. 13; v. 244; p. 359.
- Steering-wheel post. G. E. Smith. No. 1,213,811; Jan. 23; v. 234; p. 1286.
- Steering-wheel, Tilting. G. E. Smith. No. 1,247,734; Nov. 27; v. 244; p. 864.
- Steering-wheel, Vehicle. J. L. Wilson and C. O. Miller. No. 1,237,231; Aug. 14; v. 241; p. 578.
- Steering-wheels, Electric heater for. E. J. Rohne. No. 1,230,788; June 19; v. 239; p. 892.
- Steering-wheels, Hand-protector for. E. C. Burroughs. No. 1,235,549; Aug. 7; v. 241; p. 6.
- Stencil. H. D. Arents. No. 1,228,163; May 29; v. 238; p. 1538.
- Stencil. A. E. Strippel. No. 1,221,389; Apr. 3; v. 237; p. 136.
- Stencil. W. R. Walter. No. 1,248,761; Dec. 4; v. 245; p. 99.
- Stencil-blanks, Apparatus for moistening. S. Elliott. No. 1,210,441; Jan. 2; v. 234; p. 22.
- Stencil-blanks, Feeding mechanism for. S. Elliott. No. 1,210,443; Jan. 2; v. 234; p. 23.
- Stencil-frames, Gluing-machine for. S. Elliott. No. 1,210,442; Jan. 2; v. 234; p. 22.
- Stencil-indicator. N. L. Yochim. No. 1,232,747; July 10; v. 240; p. 436.
- Stencil-sheet. L. E. Fuller. No. 1,244,188; Oct. 23; v. 243; p. 956.
- Stencil-sheet. L. E. Fuller. No. 1,244,189; Oct. 23; v. 243; p. 957.
- Stencil-sheet. L. G. Meuser. No. 1,247,308; Nov. 20; v. 244; p. 708.
- Stencil-sheet and bath for making same. J. A. Bailey and H. E. Calusowski. No. 1,215,098; Feb. 6; v. 235; p. 216.
- Stencil-sheets, Device for preparing. E. W. Hill. No. 1,214,785; Feb. 6; v. 235; p. 105.
- Stencils for decorating fabrics, Producing. G. Jacobs. No. 1,220,850; Mar. 27; v. 236; p. 1137.
- Stenciling. W. G. Fuerth. No. 1,238,906; Sept. 4; v. 242; p. 60.
- Stenciling-machine. L. R. Rogers. No. 1,237,820; Aug. 21; v. 241; p. 806.
- Stenciling-machines, Adhesive-applying means for. J. D. Reifsnnyder and H. G. Schwerdtle. No. 1,215,194; Feb. 6; v. 235; p. 248.
- Stenciling-machines, Offset-preventing device for. J. E. Shaver, Jr. No. 1,210,548; Jan. 2; v. 234; p. 59.
- Stenciling material. A. B. Dick. No. 1,223,773; Apr. 24; v. 237; p. 1073.
- Stenographer's note-book stand and book-mark. W. M. Blatt. No. 1,242,914; Oct. 16; v. 243; p. 534.
- Stenotype-note holders, Automatic rewinding device for. L. J. Sande. No. 1,248,017; Nov. 27; v. 244; p. 944.
- Step-ladder, Wheelbarrow. I. P. Olds. No. 1,221,579; Apr. 3; v. 237; p. 203.
- Steps, Metallic nosing for repairing old. J. Gustafson. No. 1,234,013; July 17; v. 240; p. 881.
- Stereopticon. C. C. Clement. No. 1,218,928; Mar. 13; v. 236; p. 402.
- Stereopticon. A. F. Victor. No. 1,227,507; May 22; v. 238; p. 1287.
- Stereopticon, Dissolving-. A. F. Victor. No. 1,231,974; July 3; v. 240; p. 146.
- Stereopticons, Apparatus for automatically controlling. L. A. Vancil and W. F. Fulkerson. No. 1,230,347; June 19; v. 239; p. 746.
- Stereoscope. J. L. Disney. No. 1,244,843; Oct. 30; v. 243; p. 1193.
- Stereoscope. H. W. Hales. No. 1,230,705; June 19; v. 239; p. 865.
- Stereoscope, Folding. E. R. Couden. No. 1,221,836; Apr. 10; v. 237; p. 322.
- Stereoscopes, Means for regulating the eyepieces of. J. Richard. No. 1,221,091; Apr. 3; v. 237; p. 31.
- Stereoscopic device or the like. L. J. E. Colardeau and J. Richard. No. 1,216,948; Feb. 20; v. 235; p. 953.
- Stereotype-casting box. C. E. Hopkins. No. 1,221,537; Apr. 3; v. 237; p. 188.
- Stereotype-matrices, Making. H. A. W. Wood. No. 1,237,596; Aug. 21; v. 241; p. 735.
- Stereotype-plate-boring machines, Tool-setting device for. L. H. Bechman. No. 1,229,867; June 12; v. 239; p. 552.
- Stereotype-plate-casting box. H. F. Bechman. No. 1,223,026; Apr. 17; v. 237; p. 780.
- Stereotype-plate-finishing machine. S. G. Goss. No. 1,212,049; Jan. 9; v. 234; p. 609.
- Stereotype-plate-finishing machine. G. F. Weber. No. 1,222,912; Apr. 17; v. 237; p. 740.
- Stereotype-plate-finishing machine, Automatic. S. G. Goss. No. 1,230,577; June 19; v. 239; p. 824.
- Stereotype-plate-shaving machine. H. A. W. Wood. No. 1,213,736; Mar. 13; v. 236; p. 333.
- Stereotype-plates, Automatic apparatus for machining curved. H. Pearce, T. R. G. Parker, and W. E. Bennison. No. 1,233,698; July 17; v. 240; p. 780.
- Stereotype-plates, Machine for making. C. E. Hopkins. No. 1,240,209; Sept. 18; v. 242; p. 539.
- Stereotype printing-plates, Machine for finishing and cooling. H. A. W. Wood. No. 1,238,973; Sept. 4; v. 242; p. 82.
- Stereotypes, Apparatus for finishing curved. C. E. Hopkins. No. 1,240,850; Sept. 25; v. 242; p. 771.
- Sterilization of liquids. P. H. Dawe. No. 1,217,421; Feb. 27; v. 235; p. 1160.
- Sterilization of liquids by ozone, Apparatus for. J. Steynis. No. 1,228,712; June 5; v. 239; p. 115.
- Sterilizer. J. C. Darnall. No. 1,217,113; Feb. 20; v. 235; p. 1010.
- Sterilizer. J. A. Kols. No. 1,214,179; Jan. 30; v. 234; p. 1441.
- Sterilizer. P. Malcamp. No. 1,231,402; June 26; v. 239; p. 1138.
- Sterilizer. W. H. May. No. 1,215,682; Feb. 13; v. 235; p. 458.
- Sterilizer. C. Meyer. No. 1,237,938; Aug. 21; v. 241; p. 842.
- Sterilizer. L. F. O'Brien. No. 1,228,957; June 5; v. 239; p. 196.
- Sterilizer and drier. A. Jensen. No. 1,235,571; Aug. 7; v. 241; p. 14.
- Sterilizer for barbers' appliances. F. P. Mazzei. No. 1,228,464; June 5; v. 239; p. 31.
- Sterilizers, Cut-out for electric. W. L. Woerner. No. 1,227,228; May 22; v. 238; p. 1196.
- Sterilizing animal and vegetable products. H. Bart. No. 1,250,079; Dec. 11; v. 245; p. 508.
- Sterilizing apparatus. L. Chevalle. No. 1,222,932; Apr. 17; v. 237; p. 747.
- Sterilizing apparatus. F. G. Keyes. No. 1,235,698; Aug. 7; v. 241; p. 53.
- Sterilizing apparatus. C. A. Nenno. No. 1,224,201; May 1; v. 238; p. 30.
- Sterilizing apparatus. F. C. Parks. No. 1,237,375; Aug. 21; v. 241; p. 664.
- Sterilizing apparatus. C. A. Schaerer. No. 1,213,810; Jan. 23; v. 234; p. 1286.
- Sterilizing apparatus, Milk-can-. A. Jensen. No. 1,235,570; Aug. 7; v. 241; p. 13.
- Sterilizing dental and other instruments, Apparatus and process of. J. P. Flaherty. No. 1,246,899; Nov. 20; v. 244; p. 592.
- Sterilizing liquids. J. Mérie. No. 1,230,751; June 19; v. 239; p. 880.
- Sterilizing liquids contained in hermetically-closed vessels, Apparatus for. L. Giommi. No. 1,249,740; Dec. 11; v. 245; p. 409.
- Sterilizing soil for tobacco-plant beds, &c. W. T. Young and J. Chapman. No. 1,222,253; Apr. 10; v. 237; p. 470.
- Sterilizing surgical instruments and any other objects, Apparatus for. C. Schärer. No. 1,249,514; Dec. 11; v. 245; p. 344.
- Sticker or label, Gummed. T. H. Krueger. No. 1,239,701; Sept. 11; v. 242; p. 342.

- Stiffener, Garment-. J. W. Schloss. No. 1,221,005; Mar. 27; v. 236; p. 1186.
- Stiffening material from compositions, Reclaiming. L. S. Woodruff. No. 1,232,154; July 3; v. 240; p. 210.
- Still. G. W. Crispell. No. 1,231,857; July 3; v. 240; p. 108.
- Still. B. Gallsworthy. No. 1,234,327; July 24; v. 240; p. 1018.
- Still or retort. F. E. Wellman. No. 1,245,291; Nov. 6; v. 244; p. 45.
- Stillson wrench. F. J. Dowle. No. 1,231,575; July 3; v. 240; p. 11.
- Stirring implement. C. B. Tompkins. No. 1,241,307; Sept. 25; v. 242; p. 916.
- Stirrup. A. C. Smith. No. 1,238,584; Aug. 28; v. 241; p. 1087.
- Stirrup. H. Zimmerman. No. 1,219,525; Mar. 20; v. 236; p. 636.
- Stirrup, Driving-. J. S. Coates. No. 1,214,758; Feb. 6; v. 235; p. 97.
- Stirrup, Safety-. E. Davis. No. 1,231,571; July 3; v. 240; p. 10.
- Stirrup, Safety-. A. Ritchie. No. 1,250,704; Dec. 18; v. 245; p. 734.
- Stirrup-support. H. J. Stevenson, Jr. No. 1,236,226; Aug. 7; v. 241; p. 226.
- Stitch, Combined chain and lock. H. H. Fefell. No. 1,227,045; May 22; v. 238; p. 1134.
- Stitch-rubbing and channel-roughening machine. J. B. Hadaway. No. 1,217,595; Feb. 27; v. 235; p. 1224.
- Stitch separating and indenting machine. G. F. Keene. No. 1,232,427; July 3; v. 240; p. 295.
- Stitch-separating machine. J. H. Cushing. No. 1,229,237; June 12; v. 239; p. 340.
- Stitching for securing shank-eye buttons and forming the stitching. W. F. Lautenschlager. No. 1,242,564; Oct. 9; v. 243; p. 389.
- Stitching for securing shank-eye buttons and forming the stitching. W. F. Lautenschlager. No. 1,242,565; Oct. 9; v. 243; p. 389.
- Stitching machine and guard therefor, Outsole and welt. G. E. Mongeau. No. 1,213,932; Jan. 30; v. 234; p. 1357.
- Stitching machine, Book-. J. R. Reynolds. No. 1,236,762; Aug. 14; v. 241; p. 431.
- Stitching machine, Box-. T. S. Hamilton and J. A. Moore. No. 1,232,536; July 10; v. 240; p. 365.
- Stitching machine for bookbinding, Thread-. U. Bischof. No. 1,217,395; Feb. 27; v. 235; p. 1150.
- Stitching machine for bookbinding, Thread-. U. Bischof. No. 1,235,099; July 31; v. 240; p. 1295.
- Stitching machine, Sole-. M. Soens. No. 1,215,733; Feb. 13; v. 235; p. 474.
- Stitching machine, Wire-. J. Pagliaruli. No. 1,215,312; Feb. 6; v. 235; p. 289.
- Stitching machines, Attachment for shoe-. A. Krisberg. No. 1,243,953; Oct. 23; v. 243; p. 888.
- Stitching machines, Back-support for. J. R. Reynolds. No. 1,246,158; Nov. 13; v. 244; p. 333.
- Stitching machines, Cam for wire-. G. P. Baumann. No. 1,237,604; Aug. 21; v. 241; p. 737.
- Stitching machines, Signature-feed mechanism for book-. J. R. Reynolds. No. 1,232,719; July 10; v. 240; p. 425.
- Stock bending and setting apparatus. J. W. Hice. No. 1,234,665; July 24; v. 240; p. 1126.
- Stock block. Live-. G. L. Owens. No. 1,229,317; June 12; v. 239; p. 367.
- Stock-carrier. F. G. Sargent. No. 1,234,495; July 24; v. 240; p. 1074.
- Stock-clamping mechanism for cutting-off and other machines. G. Gorton. No. 1,219,935; Mar. 20; v. 236; p. 779.
- Stock-fountain. A. Kruger. No. 1,238,303; Aug. 28; v. 241; p. 996.
- Stock-guard. W. J. Price. No. 1,241,763; Oct. 2; v. 243; p. 94.
- Stock, Holding device for live. J. W. Troxell. No. 1,223,126; Apr. 17; v. 237; p. 815.
- Stock-indicator. S. W. Read. No. 1,235,924; Aug. 7; v. 241; p. 130.
- Stock-mount. J. G. Johnston. No. 1,221,184; Apr. 3; v. 237; p. 65.
- Stock or board, Corrugated. W. Lumley. No. 1,240,231; Sept. 18; v. 242; p. 546.
- Stock-quotation boards, Listing device for. E. H. Beideman. No. 1,220,588; Mar. 27; v. 236; p. 1047.
- Stock-releasing device. A. Clemetson and H. G. Holloway. No. 1,212,017; Jan. 9; v. 234; p. 598.
- Stock-slip. O. Schutt. No. 1,210,547; Jan. 2; v. 234; p. 59.
- Stock-tank heater. G. W. Botham. No. 1,234,695; July 24; v. 240; p. 1135.
- Stocking. M. Ellis. No. 1,220,209; Mar. 27; v. 236; p. 912.
- Stocking. F. P. Handschuck. No. 1,226,208; May 15; v. 238; p. 814.
- Stocking. A. M. Roedelheim. No. 1,238,196; Aug. 28; v. 241; p. 960.
- Stocking. H. A. Taylor. No. 1,227,217; May 22; v. 238; p. 1192.
- Stocking and knitting and fashioning the same, Seamless-fashioned. W. E. Smith. No. 1,216,374; Feb. 20; v. 235; p. 756.
- Stocking or sock and making same, Seamless. H. W. Granz. No. 1,228,664; June 5; v. 239; p. 98.
- Stocking or the like, Protected. G. L. Pierce. No. 1,225,354; May 8; v. 238; p. 484.
- Stocking, Seamless. R. W. Scott. No. 1,233,714; July 17; v. 240; p. 785.
- Stocking, Treated. A. Gardos. No. 1,219,451; Mar. 20; v. 236; p. 610.
- Stoker. S. G. Greenawalt. No. 1,225,802; May 15; v. 238; p. 676.
- Stoker and grate, Combined. H. F. Moore. No. 1,246,639; Nov. 13; v. 244; p. 479.
- Stoker, Automatic. B. V. Edwards. No. 1,249,048; Dec. 4; v. 245; p. 179.
- Stoker, Automatic. J. R. Fortune. No. 1,243,055; Oct. 16; v. 243; p. 581.
- Stoker, Automatic. E. W. Sprague. No. 1,240,614; Sept. 18; v. 242; p. 662.
- Stoker, Automatic. F. Viggers. No. 1,227,707; May 29; v. 238; p. 1384.
- Stoker, Automatic furnace-. G. A. Kohout. No. 1,222,109; Apr. 10; v. 237; p. 418.
- Stoker, Automatic furnace-. G. A. Kohout. No. 1,243,186; Oct. 16; v. 243; p. 620.
- Stoker, Automatic steam-jet furnace-. A. Cotton. No. 1,237,304; Aug. 21; v. 241; p. 640.
- Stoker-driving arm. J. W. Bell. No. 1,244,945; Oct. 30; v. 243; p. 1225.
- Stoker for boilers, Underfeed. E. K. Standish and G. E. Stevens. No. 1,233,821; July 17; v. 240; p. 819.
- Stoker furnace, Automatic. E. Fitts. No. 1,242,336; Oct. 9; v. 243; p. 316.
- Stoker, Locomotive-. N. M. Lower. No. 1,222,430; Apr. 10; v. 237; p. 533.
- Stoker, Mechanical. J. Batteer. No. 1,231,325; June 26; v. 239; p. 1112.
- Stoker, Mechanical. T. A. Cooke. No. 1,219,256; Mar. 13; v. 236; p. 513.
- Stoker, Mechanical. G. O. J. Kleven. No. 1,247,969; Nov. 27; v. 244; p. 932.
- Stoker mechanism. W. C. A. Henry. No. 1,215,529; Feb. 13; v. 235; p. 400.
- Stoker, Underfeed. E. J. Hart. No. 1,240,969; Sept. 25; v. 242; p. 807.
- Stoker, Underfeed. W. J. Kenney. No. 1,211,592; Jan. 9; v. 234; p. 450.
- Stokers, Air-supply to mechanical. W. R. Wood. No. 1,221,125; Apr. 3; v. 237; p. 43.
- Stokers, Controlling-valve mechanism for furnace-. G. W. Wood. No. 1,243,237; Oct. 16; v. 243; p. 634.
- Stokers, Grate for automatic. J. Reagan. No. 1,223,830; Apr. 24; v. 237; p. 1093.
- Stoking apparatus, Automatic. W. J. Kenney and H. P. Grohn. No. 1,211,591; Jan. 9; v. 234; p. 449.
- Stone-breaker. A. T. Carozza. No. 1,240,821; Sept. 25; v. 242; p. 761.
- Stone, concrete and other material, Tool for treating. J. O. Berg. No. 1,230,842; June 26; v. 239; p. 950.
- Stone, concrete and other materials, Tool for treating. J. O. Berg. No. 1,223,359; Apr. 24; v. 237; p. 925.
- Stone, concrete and other materials, Tool for treating. J. O. Berg. (Reissue). No. 14,392; Nov. 13; v. 244; p. 534.
- Stone-cutting machine. L. Filotico. No. 1,230,696; June 19; v. 239; p. 862.
- Stone-cutting machine. O. H. Tongberg. No. 1,247,596; Nov. 20; v. 244; p. 739.
- Stone-dresser. J. C. Dodson. No. 1,240,687; Sept. 18; v. 242; p. 686.
- Stone-dressing apparatus. G. E. H. Woods. No. 1,236,894; Aug. 14; v. 241; p. 472.
- Stone-dressing machine. W. H. Van Sickel. No. 1,227,095; May 22; v. 238; p. 1152.
- Stone-gatherer. Q. C. Penington. No. 1,241,880; Oct. 2; v. 243; p. 132.
- Stone grinding and polishing machine. G. R. Murray. No. 1,230,759; June 19; v. 239; p. 883.
- Stone grinding and polishing machine. J. H. Spears. No. 1,211,776; Jan. 9; v. 234; p. 512.
- Stone-grinding tool. M. D. Dreyfus. No. 1,244,716; Oct. 30; v. 243; p. 1156.
- Stone-picker. J. J. Vogel. No. 1,216,751; Feb. 20; v. 235; p. 887.
- Stone plates, Manufacture of artificial-. L. Lukacs. No. 1,210,820; Jan. 2; v. 234; p. 151.
- Stone-rake. W. E. Dahn. No. 1,211,552; Jan. 9; v. 234; p. 437.
- Stone-rake. F. A. Garvin. No. 1,223,268; Apr. 17; v. 237; p. 860.
- Stone-rake. F. A. Martinez. No. 1,243,327; Oct. 16; v. 243; p. 662.
- Stone-sawing machine. A. M. Rossi. No. 1,242,983; Oct. 16; v. 243; p. 557.
- Stone-setting. F. P. Littlejohn. No. 1,214,333; Jan. 30; v. 234; p. 1497.
- Stone slab, shingle, and plate and composition for making same, Artificial-. W. Singer. No. 1,223,834; Apr. 24; v. 237; p. 1094.
- Stone slabs, Process and composition for the manufacture of artificial-. M. I. Poznanski. No. 1,234,692; July 24; v. 240; p. 1134.
- Stone-spreading machine. J. G. Brown. No. 1,220,945; Mar. 27; v. 236; p. 1166.
- Stone structures, Manufacture of artificial-. P. E. Denivel. No. 1,212,331; Jan. 16; v. 234; p. 738.

Alphabetical list of inventions—Continued.

- Stone structures, Manufacture of artificial-. P. E. Denivel. No. 1,233,265; July 10; v. 240; p. 601.
- Stone-tool. C. Kilburn. No. 1,214,320; Jan. 30; v. 234; p. 1493.
- Stoneworking-machine. G. H. Gilman. No. 1,228,661; June 5; v. 239; p. 97.
- Stoneworking-machine. H. H. Mercer. No. 1,222,558; Apr. 10; v. 237; p. 578.
- Stoneworking-machine. H. H. Mercer. No. 1,228,040; May 29; v. 238; p. 1498.
- Stoneworking-machine. H. H. Mercer. No. 1,228,041; May 29; v. 238; p. 1498.
- Stoneworking-machine. H. H. Mercer. No. 1,250,609; Dec. 18; v. 245; p. 706.
- Stoneworking-machine. H. H. Mercer and D. J. O'Rourke. No. 1,250,608; Dec. 18; v. 245; p. 705.
- Stool. T. Burns. No. 1,240,119; Sept. 11; v. 242; p. 471.
- Stool. D. S. Wood. No. 1,242,407; Oct. 9; v. 243; p. 339.
- Stool and table jack. H. G. Anthony. No. 1,246,837; Nov. 20; v. 244; p. 572.
- Stool, Camp-. K. G. Fabianson. No. 1,242,163; Oct. 9; v. 243; p. 261.
- Stool, Folding. F. Mante. No. 1,226,554; May 15; v. 238; p. 929.
- Stool, Folding. D. M. Neff. No. 1,215,689; Feb. 13; v. 235; p. 461.
- Stool, Folding. E. D. Smith. No. 1,244,911; Oct. 30; v. 243; p. 1214.
- Stool, Folding and portable night-. A. H. A. de Mecklembourg. No. 1,236,407; Aug. 14; v. 241; p. 313.
- Stool, Folding shoe-fitting. A. W. Fairhurst. No. 1,223,779; Apr. 24; v. 237; p. 1075.
- Stool, Milking-. E. Bragg. No. 1,220,316; Mar. 27; v. 236; p. 952.
- Stool, Milking-. P. J. Norberg. No. 1,212,386; Jan. 16; v. 234; p. 757.
- Stool, Milking-. L. E. Thrune. No. 1,216,014; Feb. 13; v. 235; p. 576.
- Stool, Pendent swivel bench-. W. B. Johnson. No. 1,219,324; Mar. 13; v. 236; p. 536.
- Stop. L. H. Bolton. No. 1,211,392; Jan. 9; v. 234; p. 382.
- Stop. F. A. Nolan. No. 1,230,506; June 19; v. 239; p. 799.
- Stop, Automatic safety-. G. J. Meyer. No. 1,221,889; Apr. 10; v. 237; p. 342.
- Stop mechanism. E. F. Kennedy. No. 1,217,774; Feb. 27; v. 235; p. 1284.
- Stop mechanism. J. Kiewicz. No. 1,223,397; Apr. 24; v. 237; p. 938.
- Stop mechanism. W. H. Miller. No. 1,241,416; Sept. 25; v. 242; p. 947.
- Stop mechanism. A. R. Schoenky. No. 1,222,331; Apr. 10; v. 237; p. 497.
- Stop mechanism. D. W. Wood. No. 1,245,653; Nov. 6; v. 244; p. 156.
- Stop-motion. J. Kiewicz. No. 1,234,772; July 31; v. 240; p. 1194.
- Stop-motion. F. A. Reece. No. 1,244,079; Oct. 23; v. 243; p. 925.
- Stop-motion. J. Reece. No. 1,220,785; Mar. 27; v. 236; p. 1112.
- Stop-motion. J. Reece. No. 1,220,787; Mar. 27; v. 236; p. 1112.
- Stop-motion, Automatic. E. Erickson. No. 1,224,456; May 1; v. 238; p. 123.
- Stop-motion device. I. W. Grothey. No. 1,211,143; Jan. 2; v. 234; p. 262.
- Stop-motion for high-speed machines. A. W. Proctor. No. 1,246,821; Nov. 13; v. 244; p. 531.
- Stop-motion for power-driven machines. L. D. Johnson and E. Erickson. No. 1,243,609; Oct. 16; v. 243; p. 745.
- Stop-motion mechanism. C. H. Ramsey. No. 1,218,463; Mar. 6; v. 236; p. 199.
- Stop-motions. Attachment for speeder. E. L. Jackson. No. 1,222,405; Apr. 10; v. 237; p. 523.
- Stop-motions. Threading attachment for. W. Larkin. No. 1,226,538; May 15; v. 238; p. 924.
- Stop-register. B. Hehle. No. 1,211,580; Jan. 9; v. 234; p. 446.
- Stopper. *See—*
 Bottle-stopper. Gas-main stopper.
 Bottle or the like stopper. Water-bag stopper.
 Car-stopper.
- Stopper. R. W. Sampson. No. 1,239,225; Sept. 4; v. 242; p. 162.
- Stopper. T. C. Spelling. No. 1,216,177; Feb. 13; v. 235; p. 635.
- Stopper-extractor. W. M. Brady. No. 1,213,452; Jan. 23; v. 234; p. 1164.
- Stopper-extractor. O. F. Frank. No. 1,235,195; July 31; v. 240; p. 1324.
- Stopper extractor, Bottle-. J. P. L'Amie. No. 1,223,056; Apr. 17; v. 237; p. 790.
- Stopper for water-bags, bottles, and the like. M. T. Steele. No. 1,236,619; Aug. 14; v. 241; p. 383.
- Stopper or cork extractor. C. J. Davis. No. 1,231,859; July 3; v. 240; p. 109.
- Stopping mechanism. G. S. Hill. No. 1,212,486; Jan. 16; v. 234; p. 791.
- Storage battery. R. N. Chamberlain. No. 1,236,673; Aug. 14; v. 241; p. 401.
- Storage battery. B. Ford. No. 1,230,394; June 19; v. 239; p. 760.
- Storage battery. W. Gardiner. No. 1,213,182; Jan. 23; v. 234; p. 1068.
- Storage battery. R. D. Mowry. No. 1,232,710; July 10; v. 240; p. 422.
- Storage battery. W. H. Muzzy. No. 1,243,202; Oct. 16; v. 243; p. 625.
- Storage battery. I. M. Noble and W. E. Gossling. No. 1,251,452; Dec. 25; v. 245; p. 1004.
- Storage battery. E. B. Stout. No. 1,250,696; Dec. 18; v. 245; p. 731.
- Storage battery. T. A. Willard. No. 1,224,434; May 1; v. 238; p. 116.
- Storage battery. T. A. Willard. No. 1,226,290; May 15; v. 238; p. 846.
- Storage battery. T. A. Willard. No. 1,237,733; Aug. 21; v. 241; p. 779.
- Storage battery. T. A. Willard. No. 1,248,768; Dec. 4; v. 245; p. 101.
- Storage battery. T. A. Willard. No. 1,249,268; Dec. 4; v. 245; p. 243.
- Storage battery. D. H. Wilson. No. 1,240,280; Sept. 18; v. 242; p. 561.
- Storage battery and making same. R. L. Smith. No. 1,239,835; Sept. 11; v. 242; p. 385.
- Storage battery and making the same, Secondary. C. S. Palmer. No. 1,251,412; Dec. 25; v. 245; p. 992.
- Storage-bin. M. D. Stoker. No. 1,226,025; May 15; v. 238; p. 752.
- Storage chambers, Air-admission device for air-circulation. R. Rayson. No. 1,240,367; Sept. 18; v. 242; p. 588.
- Storage structures from lightning, Protecting. J. M. Gordon. No. 1,239,477; Sept. 11; v. 242; p. 270.
- Storage-tank. C. C. Fardon. No. 1,218,600; Mar. 6; v. 236; p. 245.
- Storage-vessel closure. C. Hammer. No. 1,237,640; Aug. 21; v. 241; p. 749.
- Store-counter. N. J. Schepis. No. 1,215,873; Feb. 13; v. 235; p. 525.
- Store-front construction. D. J. Murnane. No. 1,236,202; Aug. 7; v. 241; p. 217.
- Store-front construction. C. S. Thorne. No. 1,232,869; July 10; v. 240; p. 475.
- Store, Self-serving. C. Saunders. No. 1,242,872; Oct. 9; v. 243; p. 487.
- Store-service apparatus. L. W. Chism. No. 1,227,246; May 22; v. 238; p. 1203.
- Storing, displaying, and advertising, Means for. H. R. Shirley, Jr. No. 1,250,038; Dec. 11; v. 245; p. 496.
- Stove. B. A. Baxter. No. 1,228,519; June 5; v. 239; p. 50.
- Stove. J. Bean. No. 1,245,309; Nov. 6; v. 244; p. 50.
- Stove. S. D. Blackburn. No. 1,219,229; Mar. 13; v. 236; p. 503.
- Stove. L. S. Chadwick. No. 1,212,901; Jan. 16; v. 234; p. 938.
- Stove. F. O. Larson. No. 1,241,227; Sept. 25; v. 242; p. 887.
- Stove. S. N., M. A., and G. E. Mentel. No. 1,228,579; June 5; v. 239; p. 70.
- Stove. W. E. Perryclear. No. 1,239,514; Sept. 11; v. 242; p. 281.
- Stove. R. R. Robertson and G. F. Hauf. No. 1,222,325; Apr. 10; v. 237; p. 495.
- Stove. W. V. Robinson. No. 1,211,236; Jan. 2; v. 234; p. 296.
- Stove. C. G. Rowlette. No. 1,236,985; Aug. 14; v. 241; p. 502.
- Stove. H. H. Sanford. No. 1,227,676; May 29; v. 238; p. 1373.
- Stove. E. N. Shaw. No. 1,214,086; Jan. 30; v. 234; p. 1411.
- Stove. W. E. Van Syoc. No. 1,218,913; Mar. 13; v. 236; p. 397.
- Stove and article-support, Combined. D. Davis. No. 1,230,545; June 26; v. 239; p. 1183.
- Stove and boiler, Combination ventilated laundry. A. Shapiro. No. 1,233,716; July 17; v. 240; p. 786.
- Stove and burner, Oil. J. Gregson. No. 1,248,104; Nov. 27; v. 244; p. 968.
- Stove and fireless cooker, Combined gas-. J. E. Chambers. No. 1,225,769; May 15; v. 238; p. 665.
- Stove and insulating-jacket therefor, Hot-water. S. V. Reeves. No. 1,238,437; Aug. 28; v. 241; p. 1039.
- Stove and other heater. G. Furuholmen. No. 1,249,945; Dec. 11; v. 245; p. 471.
- Stove and range. W. A. Busiek. No. 1,211,404; Jan. 9; v. 234; p. 386.
- Stove and table, Combined. C. C. Miles. No. 1,224,773; May 1; v. 238; p. 234.
- Stove attachment. J. A. Berryman. No. 1,244,690; Oct. 30; v. 243; p. 1146.
- Stove attachment. Z. T. Cowart. No. 1,247,936; Nov. 27; v. 244; p. 923.
- Stove attachment. L. Morgan. No. 1,226,567; May 15; v. 238; p. 933.
- Stove attachment for economizing heat. C. E. Pickard. No. 1,245,122; Oct. 30; v. 243; p. 1278.
- Stove attachment, Heating-. G. C. Shepperd. No. 1,227,328; May 22; v. 238; p. 1229.

- Stove, Barbecue. A. Hackney. No. 1,250,861; Dec. 18; v. 245; p. 781.
- Stove burner, Oil. W. C. Lindemann. No. 1,231,394; June 26; v. 239; p. 1135.
- Stove, Camp. A. H. Green. No. 1,212,162; Jan. 9; v. 234; p. 648.
- Stove, Camp. H. F. Lohman and J. Higham. No. 1,250,907; Dec. 18; v. 245; p. 794.
- Stove, Collapsible. G. W. Ferdon. No. 1,229,432; June 12; v. 239; p. 405.
- Stove, Collapsible. G. W. Ferdon. No. 1,247,806; Nov. 27; v. 244; p. 886.
- Stove, Collapsible camp. C. F. Penn. No. 1,241,760; Oct. 2; v. 243; p. 93.
- Stove, Collapsible camper's. H. K. Hitchcock. No. 1,238,142; Aug. 28; v. 241; p. 942.
- Stove, Combination coal and gas. J. McGovern. No. 1,211,864; Jan. 9; v. 234; p. 545.
- Stove, Combination coal and wood heating. R. F. Clark. No. 1,223,768; Apr. 24; v. 237; p. 1070.
- Stove, Combination cooking. E. H. Castle. No. 1,214,424; Jan. 30; v. 234; p. 1527.
- Stove, Combined cooking and heating. N. Columbro. No. 1,221,146; Apr. 3; v. 237; p. 50.
- Stove, Cook. R. W. Davenport. No. 1,212,458; Jan. 16; v. 234; p. 782.
- Stove, Cook. C. D. McCormack. No. 1,229,990; June 12; v. 239; p. 590.
- Stove, Cooking. A. W. Walker. No. 1,223,647; Apr. 24; v. 237; p. 1028.
- Stove-door. L. Scruggs. No. 1,222,894; Apr. 17; v. 237; p. 735.
- Stove, Electric. G. Deal. No. 1,213,595; Jan. 23; v. 234; p. 1214.
- Stove, Electric. J. W. Purnell. No. 1,229,786; June 12; v. 239; p. 524.
- Stove, Electric table. E. N. Lightfoot. No. 1,246,622; Nov. 13; v. 244; p. 474.
- Stove, Electrically-heated cooking. C. W. Winterbotham. No. 1,234,991; July 31; v. 240; p. 1263.
- Stove, Foldable camp. W. L. Crain. No. 1,221,514; Apr. 3; v. 237; p. 181.
- Stove for blast-furnaces. H. P. Howland. No. 1,224,928; May 8; v. 238; p. 338.
- Stove-frame. E. Harter. No. 1,217,939; Mar. 6; v. 236; p. 19.
- Stove, Gas. A. L. Bailey. No. 1,237,275; Aug. 21; v. 241; p. 631.
- Stove, Gas. E. Ferry. No. 1,236,280; Aug. 7; v. 241; p. 241.
- Stove, Gas. C. R. Johnson. No. 1,221,539; Apr. 3; v. 237; p. 189.
- Stove, Gas-burning. C. A. Hartmann. No. 1,212,944; Jan. 16; v. 234; p. 952.
- Stove, Gas heating. C. A. Booher. No. 1,234,272; July 24; v. 240; p. 1000.
- Stove-grate. O. Readman. No. 1,237,697; Aug. 21; v. 241; p. 769.
- Stove, Heating. G. H. King. No. 1,224,469; May 1; v. 238; p. 128.
- Stove, Heating. J. Mulick. No. 1,222,121; Apr. 10; v. 237; p. 421.
- Stove, Heating. J. Stynsberg. No. 1,250,707; Dec. 18; v. 245; p. 734.
- Stove, Heating. A. C. Weisberg. No. 1,246,511; Nov. 13; v. 244; p. 440.
- Stove, Heating and cooking. S. M. Ford. No. 1,249,943; Dec. 11; v. 245; p. 470.
- Stove, Hot-blast. H. A. Blassert and H. H. Jones. No. 1,238,097; Aug. 28; v. 241; p. 927.
- Stove, Hot-blast. F. L. White. No. 1,249,701; Dec. 11; v. 245; p. 399.
- Stove, Kerosene-oil heating. F. G. Ravenkamp. No. 1,227,930; May 29; v. 238; p. 1460.
- Stove-lid lifter. S. Bacik. No. 1,245,174; Nov. 6; v. 244; p. 9.
- Stove-lid lifter. L. S. Edmonds. No. 1,225,601; May 8; v. 238; p. 566.
- Stove-lid lifter. N. H. Haapanen. No. 1,217,758; Feb. 27; v. 235; p. 1279.
- Stove-lid lifter. J. A. Hendee. No. 1,241,378; Sept. 25; v. 242; p. 936.
- Stove-lid lifter. E. Pentony. No. 1,248,391; Nov. 27; v. 244; p. 1049.
- Stove-lid lifter. T. Potenza. No. 1,226,367; May 15; v. 238; p. 870.
- Stove-lid lifter. G. L. Strait. No. 1,238,593; Aug. 28; v. 241; p. 1089.
- Stove-lighter or pilot-light. Self. C. L. Gisler. No. 1,229,742; June 12; v. 239; p. 510.
- Stove, Liquid-fuel. L. S. Chadwick. No. 1,240,312; Sept. 18; v. 242; p. 571.
- Stove-locking device, Gas. F. C. Oelkers. No. 1,217,209; Feb. 27; v. 235; p. 1087.
- Stove, (manifold) Gas. A. W. Walker. No. 1,222,824; Apr. 17; v. 237; p. 711.
- Stove, Manifold gas. A. W. Walker. No. 1,232,870; July 10; v. 240; p. 475.
- Stove-moving means. E. D. Plyley. No. 1,235,593; Aug. 7; v. 241; p. 21.
- Stove, Oil. W. E. Huenefeld. No. 1,217,451; Feb. 27; v. 235; p. 1172.
- Stove, Oil. W. R. Jeavons. No. 1,218,777; Mar. 13; v. 236; p. 347.
- Stove, Oil. W. R. Jeavons and A. R. Whittaker. No. 1,214,547; Feb. 6; v. 235; p. 23.
- Stove, Oil. F. E. White and F. E. Hooper. No. 1,240,522; Sept. 18; v. 242; p. 636.
- Stove, Oil. F. E. White and F. E. Hooper. No. 1,247,474; Nov. 20; v. 244; p. 756.
- Stove or burner, Liquid-fuel. C. Korzeniewski and S. Chojnacki. No. 1,232,693; July 10; v. 240; p. 416.
- Stove or heater. F. A. Cottier, Jr. No. 1,240,679; Sept. 18; v. 242; p. 684.
- Stove or range and attachment therefor, Gas. C. A. Ripper. No. 1,210,536; Jan. 2; v. 234; p. 55.
- Stove or range for marine vessels, Cooking. J. Alford. No. 1,215,233; Feb. 6; v. 235; p. 261.
- Stove oven, Coal and gas. C. D. Carter and G. F. Bibb. No. 1,211,916; Jan. 9; v. 234; p. 564.
- Stove-oven shelf. J. Towart, Jr. No. 1,211,984; Jan. 9; v. 234; p. 589.
- Stove, Portable. L. A. Bergen. No. 1,217,139; Feb. 27; v. 235; p. 1063.
- Stove, Portable. F. Canterbury. No. 1,214,131; Jan. 30; v. 234; p. 1425.
- Stove, Portable gas. F. and O. H. A. Herrmann. No. 1,244,852; Oct. 30; v. 243; p. 1195.
- Stove, Radiant-type. W. A. Rankin and H. D. Laraway. No. 1,231,196; June 26; v. 239; p. 1070.
- Stove, Regenerative. A. C. Nelson. No. 1,227,820; May 29; v. 238; p. 1423.
- Stove, Steam cook. J. M. Wilson. No. 1,226,044; May 15; v. 238; p. 758.
- Stove, Time-controlled. G. Rosa. No. 1,233,511; July 17; v. 240; p. 719.
- Stove-top. R. M. Babbitt. No. 1,218,972; Mar. 13; v. 236; p. 417.
- Stove top plate, Gas. H. Voneiff. No. 1,245,408; Nov. 6; v. 244; p. 80.
- Stove-top protector. C. T. Johnson. No. 1,227,447; May 22; v. 238; p. 1265.
- Stove-top, Supplemental. L. Fridlund. No. 1,211,567; Jan. 9; v. 234; p. 441.
- Stove-valve-control means, Gas. R. W. Scholl and S. F. Adrian. No. 1,233,406; July 17; v. 240; p. 685.
- Stove, Vapor. B. F. Gollmar. No. 1,220,412; Mar. 27; v. 236; p. 985.
- Stove, Vapor. B. F. Gollmar. No. 1,220,413; Mar. 27; v. 236; p. 985.
- Stoves and furnaces, Draft device for. P. R. Carr. No. 1,232,769; July 10; v. 240; p. 442.
- Stoves and furnaces, Fire-pot for. C. A. Robbins and J. W. Jolley. No. 1,238,942; Sept. 4; v. 242; p. 71.
- Stoves, Checkerwork for hot-blast. A. J. Boynton. No. 1,243,484; Oct. 16; v. 243; p. 708.
- Stoves, Cleaning-door for hot-blast. J. A. Dyble. No. 1,210,436; Jan. 2; v. 234; p. 20.
- Stoves, Coal-oil burner for cook. R. R. Hopkins. No. 1,237,044; Aug. 14; v. 241; p. 522.
- Stoves, Combined simmer-burner or lighter for gas. F. W. Reynolds. No. 1,240,369; Sept. 18; v. 242; p. 589.
- Stoves, Combined simmerer and flash-igniter for gas. A. O. Rutz. No. 1,251,112; Dec. 25; v. 245; p. 903.
- Stoves, Convertible fluid-fuel kindler and heater for. J. S. Brennan. No. 1,218,974; Mar. 13; v. 236; p. 417.
- Stoves, Cooking and warming attachment for. J. J. Case. No. 1,232,493; July 10; v. 240; p. 352.
- Stoves, Electric lighter for gas. F. C. Gutenberger. No. 1,240,707; Sept. 18; v. 242; p. 691.
- Stoves, Heat-conservor for gas. H. Bunce. No. 1,225,761; May 15; v. 238; p. 663.
- Stoves, Lighting arrangement for oil. H. A. Barschow. No. 1,213,328; Jan. 23; v. 234; p. 1121.
- Stoves, Lighting device for gas. S. H. Alexander. No. 1,245,548; Nov. 6; v. 244; p. 123.
- Stoves, Odorless and humidity-supplying gas heating. B. Ivor. No. 1,246,273; Nov. 13; v. 244; p. 368.
- Stoves, Safety device for gas. J. L. Anthony. No. 1,235,634; Aug. 7; v. 241; p. 34.
- Stoves, Top plate and cover for gas. A. C. Mott, Jr. No. 1,242,021; Oct. 2; v. 243; p. 176.
- Stoves, Water-heater for gas. W. S. Andrews. No. 1,217,678; Feb. 27; v. 235; p. 1253.
- Stoves, Water-heater for gas or gasoline. J. A. Little. No. 1,225,834; May 15; v. 238; p. 686.
- Stovepipe. D. S. Bowman. No. 1,249,312; Dec. 11; v. 245; p. 287.
- Stovepipe. A. O. Patenaude. No. 1,243,441; Oct. 16; v. 243; p. 695.
- Stovepipe-anchor. H. V. Tyner and J. W. Millsap. No. 1,248,207; Nov. 27; v. 244; p. 997.
- Stovepipe-anchor for tents. M. L. Fitch. No. 1,245,895; Nov. 6; v. 244; p. 228.
- Stovepipe-cleaner. E. Lisell. No. 1,228,329; May 29; v. 238; p. 1591.
- Stovepipe connection. A. J. Scritchfield. No. 1,232,436; July 3; v. 240; p. 297.
- Stovepipe-elbows and the like, Machine for nesting or bundling. D. F. Crowder. No. 1,246,557; Nov. 13; v. 244; p. 454.
- Stovepipe-fastener. C. A. Pedersen. No. 1,230,321; June 19; v. 239; p. 738.
- Stovepipe-fastener. W. A. Prahl. No. 1,211,349; Jan. 2; v. 234; p. 333.
- Stovepipe-holder. J. W. Slemers. No. 1,216,618; Feb. 20; v. 236; p. 843.

Alphabetical list of inventions—Continued.

- Stovepipe-holder. L. P. Wirtz. No. 1,214,105; Jan. 30; v. 234; p. 1417.
- Stovepipe-joint lock. J. A. Meyers. No. 1,217,805; Feb. 27; v. 235; p. 1296.
- Stovepipe-lock. E. C. Henry. No. 1,228,321; May 29; v. 238; p. 1589.
- Stovepipe-shelf. V. Mrasek. No. 1,239,938; Sept. 11; v. 242; p. 418.
- Straight-edge, Folding. E. Crispin. No. 1,249,339; Dec. 11; v. 245; p. 295.
- Straightening-machine, Automatic. F. H. Sleeper. No. 1,221,384; Apr. 3; v. 237; p. 134.
- Strainer. A. Cohn and L. H. Debs. No. 1,221,683; Apr. 3; v. 237; p. 236.
- Strainer. W. H. Foster. No. 1,229,437; June 12; v. 239; p. 407.
- Strainer. T. Hamner. No. 1,239,388; Sept. 4; v. 242; p. 213.
- Strainer. C. F. Hershey. No. 1,248,114; Nov. 27; v. 244; p. 971.
- Strainer. R. E. Reardon. No. 1,247,006; Nov. 20; v. 244; p. 622.
- Strainer. H. A. Signor. No. 1,239,975; Sept. 11; v. 242; p. 428.
- Strainer. J. A. Thomas. No. 1,246,680; Nov. 13; v. 244; p. 490.
- Strainer, Adjustable pot-. E. G. Link. No. 1,214,800; Feb. 6; v. 235; p. 109.
- Strainer and cut-off, Rain-water. I. R. Keller. No. 1,242,814; Oct. 9; v. 243; p. 468.
- Strainer and filter, Cistern. J. W. Pritchard. No. 1,230,024; June 12; v. 239; p. 600.
- Strainer attachment. G. W. McKinstry. No. 1,213,668; Jan. 23; v. 234; p. 1238.
- Strainer attachment for drive-well points. O. W. Andrews. No. 1,245,170; Nov. 6; v. 244; p. 9.
- Strainer, Culinary. P. McHale and T. J. Judge. No. 1,246,291; Nov. 13; v. 244; p. 373.
- Strainer device. R. K. Jack. No. 1,220,231; Mar. 27; v. 236; p. 920.
- Strainer, Dripless. H. E. Nock. No. 1,226,691; May 22; v. 238; p. 1012.
- Strainer for cooking vessels, Adjustable. R. L. Sherman. No. 1,241,448; Sept. 25; v. 242; p. 957.
- Strainer for fluids. J. F. Mullaney. No. 1,225,993; May 15; v. 238; p. 740.
- Strainer for liquids, Self-cleaning. G. W. Collin. No. 1,216,547; Feb. 20; v. 235; p. 817.
- Strainer, Gasolene-. G. S. Hale. No. 1,229,608; June 12; v. 239; p. 466.
- Strainer-holder. O. J. Carson. No. 1,213,743; Jan. 23; v. 234; p. 1262.
- Strainer-holder. R. Fullenwider. No. 1,224,732; May 1; v. 238; p. 220.
- Strainer, Liquid-. D. Greven. No. 1,216,112; Feb. 13; v. 235; p. 612.
- Strainer, Milk-. W. E. Jenkins. No. 1,249,762; Dec. 11; v. 245; p. 417.
- Strainer, Milk-. R. Jovanovitz and A. Lambert. No. 1,231,374; June 26; v. 239; p. 1128.
- Strainer, Milk-. C. A. Niemann. No. 1,224,009; Apr. 24; v. 237; p. 1154.
- Strainer or separator. B. L. Gifford. No. 1,228,427; June 5; v. 239; p. 18.
- Strainer or separator. L. A. Gunst. No. 1,215,267; Feb. 6; v. 235; p. 274.
- Strainer-plate. E. W. Hotchkiss. No. 1,233,272; July 10; v. 240; p. 603.
- Strainer, Sink refuse-. K. G. Williams. No. 1,235,269; July 31; v. 240; p. 1346.
- Strainer, Soap-. D. M. Witt. No. 1,233,431; July 17; v. 240; p. 693.
- Strainer support, Milk-. J. T. Svaren. No. 1,241,573; Oct. 2; v. 243; p. 34.
- Strainer system, Multiple-. W. S. Elliott. No. 1,213,764; Jan. 23; v. 234; p. 1268.
- Straining device for eaves-spoutings. A. E. Houge. No. 1,231,356; June 26; v. 239; p. 1122.
- Straining means. D. J. Peterson. No. 1,237,809; Aug. 21; v. 241; p. 802.
- Straining-receptacle. F. Shepherd. No. 1,227,008; May 22; v. 238; p. 1123.
- Strap: See—
- Box-strap. Harness back-strap.
- Breast-strap. Lug-strap.
- Hand-strap. Watch-strap.
- Strap and waistband, Combined. J. Landers. No. 1,241,403; Sept. 25; v. 242; p. 943.
- Strap-fastener. F. C. Harriman. No. 1,229,263; June 12; v. 239; p. 348.
- Strap-stretcher. R. H. Norton and C. M. MacKenzie. No. 1,242,026; Oct. 2; v. 243; p. 178.
- Strap-terminal and safety-hook, Detachable. C. L. Depollier. No. 1,232,238; July 3; v. 240; p. 235.
- Strapping-machine. O. D. Washburn. No. 1,228,856; June 5; v. 239; p. 165.
- Straw and the like, Means for handling. G. A. Bishoff. No. 1,249,271; Dec. 4; v. 245; p. 243.
- Straw, Artificial imbibing-. P. H. Carr. No. 1,223,933; Apr. 24; v. 237; p. 1127.
- Straw-braid reel. E. A. Frazee. No. 1,238,281; Aug. 28; v. 241; p. 988.
- Straw-case-making machine. M. Van den Heuvel and P. M. Diks. No. 1,248,209; Nov. 27; v. 244; p. 998.
- Straw-cutting machine. D. G. Heebner. No. 1,213,192; Jan. 23; v. 234; p. 1072.
- Straw-dispensing device. H. B. Griel and P. E. Shee. No. 1,211,139; Jan. 2; v. 234; p. 260.
- Straw holder, Soda-. W. J. Jandron. No. 1,215,937; Feb. 13; v. 235; p. 548.
- Straw-spreader. C. L. Bueker. No. 1,244,288; Oct. 23; v. 243; p. 988.
- Straw-spreader. E. H. Fromme. No. 1,248,303; Nov. 27; v. 244; p. 1025.
- Street and station indicator. J. W. Dilley and J. F. Cook. No. 1,233,201; July 10; v. 240; p. 582.
- Street and station indicator. A. T. Goodman and H. R. Eaton. No. 1,234,011; July 17; v. 240; p. 880.
- Street and station indicator. N. W. Hawkinson. No. 1,232,424; July 3; v. 240; p. 294.
- Street-box and pipe-valve key. E. Morich. No. 1,247,707; Nov. 27; v. 244; p. 856.
- Street-cleaner. P. J. Herter. No. 1,236,170; Aug. 7; v. 241; p. 206.
- Street-cleaner, Pneumatic. R. W. Furnas. No. 1,229,737; June 12; v. 239; p. 507.
- Street-cleaners, Suction-blower for. R. W. Furnas. No. 1,229,738; June 12; v. 239; p. 508.
- Street-cleaning. V. Cáceres. No. 1,245,675; Nov. 6; v. 244; p. 162.
- Street-cleaning and disposing machine and cleaning paved streets and disposing of the cleanings. J. W. Parrott. No. 1,243,866; Oct. 23; v. 243; p. 861.
- Street-cleaning apparatus. W. P. Tarrant. No. 1,219,505; Mar. 20; v. 236; p. 628.
- Street-cleaning device. H. Yessne. No. 1,224,349; May 1; v. 238; p. 85.
- Street-cleaning machine. R. E. Bradshaw. No. 1,235,536; July 31; v. 240; p. 1428.
- Street-cleaning machine. R. E. Bradshaw. No. 1,238,385; Aug. 28; v. 241; p. 1022.
- Street-cleaning machine. T. F. Hagerty. No. 1,232,294; July 3; v. 240; p. 254.
- Street-cleaning machine. M. L. Osborne. No. 1,229,127; June 5; v. 239; p. 253.
- Street-cleaning machine. A. C. Wollensak. No. 1,247,054; Nov. 20; v. 244; p. 635.
- Street-crossing signal. J. W. Nethercutt. No. 1,232,375; July 3; v. 240; p. 279.
- Street-indicating mechanism. T. W. Small. No. 1,210,554; Jan. 2; v. 234; p. 61.
- Street-indicator. J. Bird. No. 1,225,214; May 8; v. 238; p. 433.
- Street-indicator and advertising device, Combined. J. A. Grier. No. 1,223,270; Apr. 17; v. 237; p. 861.
- Street-indicator, Automatic. C. E. Pelletier. No. 1,236,975; Aug. 14; v. 241; p. 499.
- Street or station indicator. M. Fitzgerald. No. 1,217,737; Feb. 27; v. 235; p. 1272.
- Street or station indicator. C. W. Moore. No. 1,222,015; Apr. 10; v. 237; p. 386.
- Street or station indicator. G. A. Myers. No. 1,241,422; Sept. 25; v. 242; p. 949.
- Street-sweeper. M. Edwards. No. 1,216,969; Feb. 20; v. 235; p. 960.
- Street-sweeper. C. Johnson. No. 1,225,251; May 8; v. 238; p. 445.
- Street-sweeper. C. Simon. No. 1,243,562; Oct. 16; v. 243; p. 731.
- Street-sweeper. F. G. Thiesfeld. No. 1,215,078; Feb. 6; v. 235; p. 209.
- Street-sweeper, Automobile. C. G. Miller. No. 1,224,771; May 1; v. 238; p. 233.
- Street sweeping and cleaning implement. M. P. Brumbaugh. No. 1,212,183; Jan. 16; v. 234; p. 683.
- Street-sweeping machine. A. Altenberg. No. 1,244,009; Oct. 23; v. 243; p. 905.
- Street-sweeping machine. S. C. Hartman. No. 1,228,773; June 5; v. 239; p. 137.
- Street-sweeping machine. F. Hedley and J. S. Doyle. No. 1,241,114; Sept. 25; v. 242; p. 851.
- Street-sweeping machine. W. A. Holdren. No. 1,236,841; Aug. 14; v. 241; p. 456.
- Street-sweeping machine. A. Kaplan. No. 1,238,681; Aug. 28; v. 241; p. 1115.
- Street-sweeping machine. J. M. Murphy. No. 1,239,293; Sept. 4; v. 242; p. 134.
- Street-sweeping machine. J. F. O'Brien. No. 1,244,071; Oct. 23; v. 243; p. 922.
- Street-sweeping machine. J. A. Schroeder. No. 1,221,480; Apr. 3; v. 237; p. 168.
- Street-sweeping machine. J. A. Schroeder. No. 1,244,083; Oct. 23; v. 243; p. 926.
- Street-sweeping machines, Dust-separator for. J. R. Pollock. No. 1,226,589; May 15; v. 238; p. 939.
- Street-washer, Keyless. W. Volkhardt. No. 1,251,306; Dec. 25; v. 245; p. 962.
- Stretchers. E. Chassaing. No. 1,246,544; Nov. 13; v. 244; p. 450.
- Stretchers. J. Zeleznik. No. 1,246,516; Nov. 13; v. 244; p. 442.
- Stretching and coating machine. L. A. Subers. No. 1,234,704; July 24; v. 240; p. 1137.
- Stretching and drying rack. J. R. Barre. No. 1,237,742; Aug. 21; v. 241; p. 783.

- Stretching device. G. W. Chamberlain. No. 1,222,602; Apr. 17; v. 237; p. 634.
- Stretching-machine. J. La Rock. No. 1,239,522; Sept. 11; v. 242; p. 284.
- Stretching-machine. H. I. Morris. No. 1,219,026; Mar. 13; v. 236; p. 435.
- Strike, Adjustable. C. J. Prinzler. No. 1,245,617; Nov. 6; v. 244; p. 144.
- Strike-plate. E. G. Schwenk. No. 1,214,227; Jan. 30; v. 234; p. 1457.
- String-holder. J. Masek. No. 1,245,254; Nov. 6; v. 244; p. 34.
- Strip-applying apparatus. P. M. Rhode. No. 1,234,215; July 24; v. 240; p. 982.
- Strip-covering machine. J. D. Reifsnyder. No. 1,215,195; Feb. 6; v. 235; p. 248.
- Strip feeding and severing mechanism. E. M. Hawkins and C. R. Seymour. No. 1,224,107; Apr. 24; v. 237; p. 1186.
- Strip-feeding device. G. W. Bowers. No. 1,251,331; Dec. 25; v. 245; p. 969.
- Strip-handling apparatus. H. A. Adams. No. 1,233,157; July 10; v. 240; p. 568.
- Strip-mills, Automatic blocking mechanism for. A. Sandh. No. 1,237,575; Aug. 21; v. 241; p. 728.
- Strip-serving apparatus. E. L. Brownson. No. 1,250,790; Dec. 18; v. 245; p. 759.
- Strip-serving apparatus. E. L. Brownson. No. 1,250,791; Dec. 18; v. 245; p. 760.
- Strip-serving device. H. A. Adams. No. 1,212,873; Jan. 16; v. 234; p. 928.
- Strip-serving device. F. S. Anable. No. 1,216,763; Feb. 20; v. 235; p. 891.
- Strip-serving device. F. S. Anable. No. 1,221,002; Mar. 27; v. 236; p. 1185.
- Strip-serving device. P. W. Blake. No. 1,229,403; June 12; v. 239; p. 396.
- Strip-serving device. E. F. Hathaway. No. 1,235,566; Aug. 7; v. 241; p. 12.
- Stripper and pressure-release, Combined. R. P. Wright. No. 1,224,054; Apr. 24; v. 237; p. 1168.
- Stripper and pressure-release, Combined. R. P. Wright. No. 1,224,055; Apr. 24; v. 237; p. 1169.
- Stripping-stand. H. J. Tynan. No. 1,222,697; Apr. 17; v. 237; p. 669.
- Stroboscope, Knockdown. W. H. Zinn. No. 1,214,636; Feb. 6; v. 235; p. 54.
- Stropping device. D. B. Perkins. No. 1,243,097; Oct. 16; v. 243; p. 594.
- Stropping device. J. M. Tourtel. No. 1,240,515; Sept. 18; v. 242; p. 634.
- Stropping-machine. F. H. Hoffmann. No. 1,214,034; Jan. 30; v. 234; p. 1394.
- Structural beams, Machine for identifying. L. A. Hawthorne. No. 1,241,261; Sept. 25; v. 242; p. 901.
- Structural beams, Machine for operating on. E. V. Wurts. No. 1,241,259; Sept. 25; v. 242; p. 900.
- Structural device. J. R. Keller. No. 1,242,202; Oct. 9; v. 243; p. 274.
- Structural member. E. K. Day. No. 1,214,017; Jan. 30; v. 234; p. 1387.
- Structural member. E. K. Day. No. 1,229,239; June 12; v. 239; p. 340.
- Structural members, Reinforcement for composition coverings for. G. G. Heghinian. No. 1,251,020; Dec. 25; v. 245; p. 878.
- Structural system. A. B. Wetherell. No. 1,212,720; Jan. 16; v. 234; p. 878.
- Structure comprising disks covered with flexible material. J. Konorous. No. 1,228,219; May 29; v. 238; p. 1555.
- Structure, Reinforced wooden. A. Wanner, Jr. No. 1,230,545; June 19; v. 239; p. 812.
- Structure, Storing. M. Lynch. No. 1,242,012; Oct. 2; v. 243; p. 173.
- Structures, Providing substructures for. L. White. No. 1,217,128; Feb. 20; v. 235; p. 1015.
- Stud-and-socket fastener. F. S. Carr. No. 1,237,469; Aug. 21; v. 241; p. 693.
- Stud-and-socket fastening for garments. O. Kjeldaa. No. 1,223,181; Apr. 17; v. 237; p. 835.
- Stud-bolt and securing-sleeve, Combined. C. M. Gay. No. 1,232,274; July 3; v. 240; p. 247.
- Stud-bolt. Expansion. G. C. Raeger. No. 1,234,487; July 24; v. 240; p. 1071.
- Stud extractor and tightener. E. Sprung. No. 1,224,801; May 1; v. 238; p. 242.
- Stud for the erection of circular structures. W. Brindley. No. 1,224,443; May 1; v. 238; p. 119.
- Stud, Lacing. T. Borchert. No. 1,248,798; Dec. 4; v. 245; p. 110.
- Stud, Metallic. W. H. Witty, F. E. Eby, and W. S. Meader. No. 1,221,941; Apr. 10; v. 237; p. 361.
- Stud mounting, Clasp-. U. Mortara. No. 1,240,240; Sept. 18; v. 242; p. 548.
- Stud-removing tool. W. Launhart. No. 1,236,322; Aug. 7; v. 241; p. 253.
- Stud-retaining means. C. W. Sponsel. No. 1,249,547; Dec. 11; v. 245; p. 354.
- Stud-setting machine. A. Bates. No. 1,219,425; Mar. 20; v. 236; p. 601.
- Studding-socket. J. F. Ryan. No. 1,231,433; June 26; v. 239; p. 1149.
- Stuffing-box. G. Cash. No. 1,230,065; June 12; v. 239; p. 614.
- Stuffing-box. F. H. Clark and J. M. Coffey. No. 1,243,712; Oct. 23; v. 243; p. 811.
- Stuffing-box. F. H. Clark and J. M. Coffey. No. 1,247,642; Nov. 27; v. 244; p. 835.
- Stuffing-box. M. H. Ittner. No. 1,213,494; Jan. 23; v. 234; p. 1177.
- Stuffing-box. B. D. Pinkney. No. 1,248,397; Nov. 27; v. 244; p. 1051.
- Stuffing-boxes, Lubricating-gland for. B. H. Smith. No. 1,239,132; Sept. 4; v. 242; p. 133.
- Stuffing or packing bearing-box. P. J. Maguire. No. 1,213,928; Jan. 30; v. 234; p. 1356.
- Stump and root extractor. O. E. Olesberg. No. 1,235,838; Aug. 7; v. 241; p. 101.
- Stump-boring machine, Portable power. W. W. Leach. No. 1,242,566; Oct. 9; v. 243; p. 390.
- Stump-burner. B. F. Paxton. No. 1,238,698; Aug. 28; v. 241; p. 1119.
- Stump-burner. F. Rosche. No. 1,245,385; Nov. 6; v. 244; p. 72.
- Stump-burning device. W. H. Jones. No. 1,231,535; June 26; v. 239; p. 1180.
- Stump extractor and piler. R. H. White. No. 1,247,194; Nov. 20; v. 244; p. 675.
- Stump-puller. H. S. Adams and J. T. Mincher. No. 1,129,853; June 12; v. 239; p. 548.
- Stump-puller. N. Kolomyjczuk. No. 1,231,618; July 3; v. 240; p. 26.
- Stump-puller. I. G. Longwell. No. 1,216,148; Feb. 13; v. 235; p. 625.
- Stump-puller. G. Moe and A. J. Kirstin. No. 1,226,616; May 15; v. 238; p. 948.
- Stump-pulling process. F. K. J. Kirsten. No. 1,250,897; Dec. 18; v. 245; p. 791.
- Stumps, Apparatus for facilitating the burning of. R. Boehne. No. 1,214,829; Jan. 30; v. 234; p. 1322.
- Sty, Hog-. J. M. Cornett. No. 1,212,910; Jan. 16; v. 234; p. 941.
- Stylus. J. W. Owen and A. Hewitt. No. 1,235,154; July 31; v. 240; p. 1311.
- Stylus-adaptor. E. S. Oliver. No. 1,235,591; Aug. 7; v. 241; p. 21.
- Subaqueous building construction, Apparatus utilized in. J. Taylor. No. 1,237,582; Aug. 21; v. 241; p. 730.
- Subaqueous sounds, Apparatus for detecting. F. Van Esbroeck. No. 1,239,320; Sept. 4; v. 242; p. 192.
- Submarine. A. C. Russell. No. 1,247,155; Nov. 20; v. 244; p. 665.
- Submarine. F. W. Schoenen. No. 1,224,027; Apr. 24; v. 237; p. 1159.
- Submarine and ship safety apparatus. G. Gien. No. 1,234,456; July 24; v. 240; p. 1062.
- Submarine boat. E. B. Reilly. No. 1,239,723; Sept. 11; v. 242; p. 349.
- Submarine boat. E. B. Reilly. No. 1,244,242; Oct. 23; v. 243; p. 973.
- Submarine boats, Center-of-gravity-shifting device for. E. B. Reilly. No. 1,244,243; Oct. 23; v. 243; p. 974.
- Submarine boats, Diving-rudder gear for. H. M. De Graw. No. 1,250,987; Dec. 25; v. 245; p. 868.
- Submarine boats, Indicating and salvaging device for. J. A. Smolick. No. 1,243,997; Oct. 23; v. 243; p. 900.
- Submarine craft, One-man, deck-controlled. G. F. Diamond. No. 1,232,241; July 3; v. 240; p. 236.
- Submarine-destroyer. W. W. Garner. No. 1,247,659; Nov. 27; v. 244; p. 841.
- Submarine-destroyer. G. W. Keister. No. 1,247,963; Nov. 27; v. 244; p. 930.
- Submarine-detector. W. A. Stewart. No. 1,242,386; Oct. 9; v. 243; p. 331.
- Submarine escapement-tube. W. C. McDougall. No. 1,233,489; July 17; v. 240; p. 712.
- Submarine explosions, Ship protection against. G. E. Elia. No. 1,237,883; Aug. 21; v. 241; p. 826.
- Submarine-fender. I. Levy. No. 1,247,295; Nov. 20; v. 244; p. 704.
- Submarine mine. G. E. Elia. No. 1,237,492; Aug. 21; v. 241; p. 701.
- Submarine mine. J. A. Seng. No. 1,231,950; July 3; v. 240; p. 138.
- Submarine mine, Means for connecting together the float and the sinker of a. E. Schneider. No. 1,244,377; Oct. 23; v. 243; p. 1013.
- Submarine motion-pictures, Apparatus for taking. H. Hartman. No. 1,250,582; Dec. 18; v. 245; p. 698.
- Submarine protecting device. J. W. Hasburg. No. 1,246,593; Nov. 13; v. 244; p. 465.
- Submarine submerging-rudder. E. Schneider. No. 1,246,475; Nov. 13; v. 244; p. 430.
- Submarine supply. P. L. E. Del Fungo-Giera. No. 1,220,825; Mar. 27; v. 236; p. 1128.
- Submarine supply-tender. P. L. E. Del Fungo-Giera. No. 1,228,756; June 5; v. 239; p. 130.
- Submarine-trap. I. Ludlow. No. 1,249,144; Dec. 4; v. 245; p. 206.
- Submarine vessel. A. Fernandez. No. 1,232,667; July 10; v. 240; p. 408.
- Submarine vessel. A. Fernandez. No. 1,235,780; Aug. 7; v. 241; p. 82.
- Submarine vessel. A. R. Lendner. No. 1,247,974; Nov. 27; v. 244; p. 933.
- Submarine vessels, Emptying and filling the ballast-tanks of. H. E. Yarrow. No. 1,239,999; Sept. 11; v. 242; p. 436.

Alphabetical list of inventions—Continued.

- Submarine warfare. J. A. Steinmetz. No. 1,222,498; Apr. 10; v. 237; p. 556.
- Submarines and other vessels, Apparatus for controlling the rudders of. E. Schneider. No. 1,237,393; Aug. 21; v. 241; p. 671.
- Submarines, Apparatus for moving diving-rudders of. M. F. Hay and C. Ekama. No. 1,216,564; Feb. 20; v. 235; p. 823.
- Submarines, Ballast control for. G. Fornaca. No. 1,240,189; Sept. 18; v. 242; p. 531.
- Submarines, Destruction of. J. A. Steinmetz. No. 1,218,586; Mar. 6; v. 236; p. 240.
- Submarines, Detachable armored section for. A. Fernandez. No. 1,235,781; Aug. 7; v. 241; p. 82.
- Submarines, Fuel supply for submerged. A. Fernandez. No. 1,232,672; July 10; v. 240; p. 409.
- Submarines, Net-cutting and signal attachment for. G. Taubert. No. 1,214,238; Jan. 30; v. 234; p. 1462.
- Submarines, Observation-buoy for. A. Fernandez. No. 1,232,668; July 10; v. 240; p. 408.
- Submarines, Oil-fuel and compensating tank for. M. F. Hay. No. 1,245,716; Nov. 6; v. 244; p. 174.
- Submarines, Safety device for. J. T. Dahl. No. 1,238,892; Sept. 4; v. 242; p. 55.
- Submarines, Semi-automatic shutter for ventilators on. C. Laurenti. No. 1,234,915; July 31; v. 240; p. 1239.
- Submerged heater. A. Nelson. No. 1,240,477; Sept. 18; v. 242; p. 623.
- Subsoiler. T. V. Harris. No. 1,233,778; July 17; v. 240; p. 805.
- Subsiding device. E. Turner. No. 1,246,501; Nov. 13; v. 244; p. 437.
- Substation, Automatic. C. W. Pen Dell. No. 1,211,220; Jan. 2; v. 234; p. 289.
- Substation, Automatic. C. W. Place and E. Taylor. No. 1,237,953; Aug. 21; v. 241; p. 847.
- Substation, Automatic. E. Taylor. No. 1,237,973; Aug. 21; v. 241; p. 854.
- Substation-circuit. B. D. Willis. No. 1,238,705; Aug. 28; v. 241; p. 1122.
- Substructures for structures, Providing. L. White. No. 1,229,364; June 12; v. 239; p. 383.
- Subterraneous conductors, Method and apparatus for determining. H. R. Conklin. No. 1,241,197; Sept. 25; v. 242; p. 878.
- Sucker-rod and casing elevator. L. L. Richard. No. 1,219,776; Mar. 20; v. 236; p. 723.
- Sucker-rod hanger. S. E. Arey. No. 1,242,305; Oct. 9; v. 243; p. 306.
- Sucker-rod joint. C. F. Rigby. No. 1,250,509; Dec. 18; v. 245; p. 675.
- Suction-box. C. E. Miser. No. 1,211,739; Jan. 9; v. 234; p. 499.
- Suction-box. N. Shorey and F. P. Flynn. No. 1,216,861; Feb. 20; v. 235; p. 924.
- Suction-cleaner. J. B. Kirby. No. 1,214,796; Feb. 6; v. 235; p. 108.
- Suction-cleaner. W. E. Sherbondy. No. 1,238,449; Aug. 28; v. 241; p. 1043.
- Suction-cleaners, Dust-bag connection for. W. V. Orr. No. 1,235,920; Aug. 7; v. 241; p. 129.
- Suction-controlled switch. S. F. Briggs. No. 1,231,561; July 3; v. 240; p. 6.
- Suction-creating apparatus. P. L. Des Jardins. No. 1,233,991; July 17; v. 240; p. 874.
- Suction-machine. J. Wynn, Jr. No. 1,234,598; July 24; v. 240; p. 1106.
- Suction-producer. H. C. Niemeyer. No. 1,230,206; June 19; v. 239; p. 699.
- Suction-producing machine. T. W. Nygreen. No. 1,250,492; Dec. 18; v. 245; p. 671.
- Suction-roll. G. Hellström. No. 1,234,543; July 24; v. 240; p. 1089.
- Suction-tubes, Wiper mechanism for the ends of gum-coated. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,229,511; June 12; v. 239; p. 432.
- Suede cotton cloth, Machine used in the manufacture of. J. D. Tomlinson. No. 1,218,131; Mar. 6; v. 236; p. 85.
- Sugar and candy, Device for picking up and dropping lump-. A. Mendelson. No. 1,219,474; Mar. 20; v. 236; p. 617.
- Sugar and other crystalline substances, Apparatus for the manufacture of dry crystals of. J. C. Griere. No. 1,230,890; June 26; v. 239; p. 965.
- Sugar apparatus and guard therefor, Driving-head for. N. A. Lockwood. No. 1,232,343; July 3; v. 240; p. 269.
- Sugar breaking and packing machine. J. Bardet. No. 1,218,355; Mar. 6; v. 236; p. 163.
- Sugar-cane, Increasing the yield and reducing the production cost of. C. F. Eckart. No. 1,249,355; Dec. 11; v. 245; p. 299.
- Sugar, Granulating and drying. G. Engel. No. 1,216,554; Feb. 20; v. 235; p. 820.
- Sugar granulating and drying apparatus. G. Engel. No. 1,216,555; Feb. 20; v. 235; p. 820.
- Sugar liquor, Refining. J. A. McCaskell. No. 1,221,553; Apr. 3; v. 237; p. 194.
- Sugar liquor, Refining. J. A. McCaskell. No. 1,221,554; Apr. 3; v. 237; p. 195.
- Sugar, Precipitating. A. M. Duperu. No. 1,229,190; June 5; v. 239; p. 274.
- Sugar-separating machine. L. M. Clairain and O. J. Soares. No. 1,217,705; Feb. 27; v. 235; p. 1262.
- Sugar tablets and similar commodities, Server for. F. J. Eibel. No. 1,233,206; July 10; v. 240; p. 584.
- Sugar-washer and water-measurer for the same, Automatic. J. Sailer. No. 1,230,328; June 19; v. 239; p. 740.
- Sugar-washing apparatus. E. Roberts and A. H. Gibson. No. 1,224,095; Apr. 24; v. 237; p. 1181.
- Suit, Combination-. W. K. Jones. No. 1,219,326; Mar. 13; v. 236; p. 536.
- Suit-hanger, Combination. C. T. Mitchell. No. 1,223,194; Apr. 17; v. 237; p. 839.
- Suit-rack. V. H. Loflin. No. 1,249,643; Dec. 11; v. 245; p. 381.
- Suitcase. A. Eades. No. 1,211,829; Jan. 9; v. 234; p. 532.
- Suitcase, Extensible. O. Harvey. No. 1,241,210; Sept. 25; v. 242; p. 882.
- Suitcase-hasp. G. Bailey. No. 1,229,207; June 12; v. 239; p. 329.
- Suitcase umbrella-holder. W. H. Beehler. No. 1,233,019; July 10; v. 240; p. 522.
- Suitcase, Wardrobe. G. H. Wheary. No. 1,224,250; May 1; v. 238; p. 48.
- Suitcases and the like, Handle mechanism for. H. J. Chilton. No. 1,233,643; July 17; v. 240; p. 764.
- Suitcases, Machine for making metal binding for. A. Kipniss and M. P. Neumann. No. 1,244,985; Oct. 30; v. 243; p. 1237.
- Suitcases, Pivoted handle for. B. Markowitz. No. 1,223,503; Apr. 24; v. 237; p. 977.
- Sulfate and sodium sulfate, Producing fused ferric. H. B. Kipper. No. 1,250,471; Dec. 18; v. 245; p. 664.
- Sulfids, Reducing. R. F. Bacon. No. 1,243,681; Oct. 23; v. 243; p. 799.
- Sulfate liquor, Making. A. F. Richter and T. L. Dunbar. No. 1,213,415; Jan. 23; v. 234; p. 1150.
- Sulfate liquor, Precipitating organic substances in. H. B. Landmark. No. 1,236,948; Aug. 14; v. 241; p. 490.
- Sulfate liquor, Utilization of waste. A. D. Fest. No. 1,218,638; Mar. 13; v. 236; p. 296.
- Sulfate waste liquor, Fermentation of. A. V. Jernberg. No. 1,221,053; Apr. 3; v. 237; p. 19.
- Sulfonated palmitic compound. J. Levinstein. No. 1,219,967; Mar. 20; v. 236; p. 790.
- Sulfonic acid from sulfuric acid and obtaining the sulfonic acid in solid form, Separating an aromatic. L. M. Dennis. No. 1,228,414; June 5; v. 239; p. 13.
- Sulfonic acid of a hydrocarbon of the aromatic series from sulfuric acid and converting the sulfonic acid into a salt, Separating a. L. M. Dennis. No. 1,211,923; Jan. 9; v. 234; p. 567.
- Sulfonic acid of a hydrocarbon of the aromatic series from sulfuric acid and converting the sulfonic acid into a salt, Separating a. L. M. Dennis. No. 1,229,593; June 12; v. 239; p. 460.
- Sulfonic-acid salts from mineral-oil waste liquors, Production of. A. Wolff. No. 1,240,523; Sept. 18; v. 242; p. 636.
- Sulfur and metals, Treating substances carrying. A. S. Dwight. No. 1,238,279; Aug. 28; v. 241; p. 987.
- Sulfur dioxide from metallurgical smoke and similar gases, Removing. F. A. Eustis. No. 1,212,199; Jan. 16; v. 234; p. 689.
- Sulfur dioxide, Utilization of. J. B. Garner and H. D. Clayton. (Reissue.) No. 14,277; Mar. 27; v. 236; p. 1187.
- Sulfuric acid in lead chambers, Production of. T. C. Oliver. No. 1,229,316; June 12; v. 239; p. 367.
- Sulfuric acid, Manufacture of. W. J. Kee, Jr., and U. Wedge. No. 1,220,752; Mar. 27; v. 236; p. 1102.
- Sulfuric acid of predetermined strength, Making. H. M. Weber. No. 1,233,626; July 17; v. 240; p. 759.
- Sulfuric anhydride, Making. C. Ellis. No. 1,227,044; May 22; v. 238; p. 1134.
- Sulkies, Curb-wheel attachment for babies'. C. J. Black. No. 1,226,848; May 22; v. 238; p. 1066.
- Sulky, Child's. R. H. Browa. No. 1,215,771; Feb. 13; v. 235; p. 488.
- Sulky, Child's collapsible. R. H. Brown. No. 1,222,179; Apr. 10; v. 237; p. 444.
- Sulky or wheeled colter. L. K. Benedict. No. 1,242,912; Oct. 16; v. 243; p. 533.
- Sun-boiler. F. Shuman and C. V. Boys. No. 1,240,890; Sept. 25; v. 242; p. 782.
- Sunshade. B. Washington. No. 1,217,542; Feb. 27; v. 235; p. 1206.
- Sunshade and tent, Folding. J. Barker. No. 1,225,917; May 15; v. 238; p. 715.
- Superheater. H. B. Oatley and N. T. McKee. No. 1,210,519; Jan. 2; v. 234; p. 49.
- Superheater. G. E. Miller and J. A. Barnes. No. 1,231,928; July 3; v. 240; p. 131.
- Superheater. F. L. G. Page. No. 1,245,263; Nov. 6; v. 244; p. 36.
- Superheater. L. A. Riley, 2d. No. 1,226,379; May 15; v. 238; p. 873.
- Superheater. C. D. Young. No. 1,224,990; May 8; v. 238; p. 359.
- Superheater. C. D. Young. No. 1,224,991; May 8; v. 238; p. 359.
- Superheater and economizer, Combined. R. M. Ostermann. No. 1,225,846; May 15; v. 238; p. 690.

- Superheater-boiler. W. A. Jones. No. 1,242,447; Oct. 9; v. 243; p. 350.
- Superheater, Boiler-. E. C. Meier. No. 1,244,530; Oct. 30; v. 243; p. 1098.
- Superheater for locomotive, marine, and other tubular boilers. J. N. D. Heenan. No. 1,227,435; May 22; v. 238; p. 1261.
- Superheater, Steam-. E. A. Geoghegan, W. B. Mayo, and C. S. Turner. No. 1,216,253; Feb. 13; v. 235; p. 661.
- Superheater, Steam-. J. S. Nichols. No. 1,235,363; July 31; v. 240; p. 1374.
- Superheater, Steam-. J. Prentice. No. 1,242,473; Oct. 9; v. 243; p. 359.
- Superheater, Steam-boiler. C. Seymour. No. 1,222,476; Apr. 10; v. 237; p. 549.
- Superheating mechanism for automobiles. J. D. Russ. No. 1,220,563; Mar. 27; v. 236; p. 1038.
- Superphosphate reaction-chambers, Apparatus for emptying. H. W. Hall. No. 1,232,295; July 3; v. 240; p. 254.
- Supervisory system. A. E. Keith. No. 1,214,686; Feb. 6; v. 235; p. 72.
- Supervisory system. J. G. Nolen. No. 1,219,143; Mar. 13; v. 236; p. 474.
- Supply-holder, Adjustable. E. A. De Wolf. No. 1,216,782; Feb. 20; v. 235; p. 898.
- Support. A. F. Gall. No. 1,230,819; June 19; v. 239; p. 902.
- Support. M. D. Gross. No. 1,238,286; Aug. 28; v. 241; p. 990.
- Support. B. H. Hunt. No. 1,238,295; Aug. 28; v. 241; p. 994.
- Support. H. S. R. Johnson. No. 1,223,795; Apr. 24; v. 237; p. 1081.
- Support, Adjustable. F. Pfeffer. No. 1,214,584; Feb. 6; v. 235; p. 35.
- Support and camera, Combined. A. C. Rutzen. No. 1,246,328; Nov. 13; v. 244; p. 385.
- Support, Extensible. W. B. Oliver. No. 1,217,491; Feb. 27; v. 235; p. 1185.
- Support, Foldable. S. Tomcsanyi. No. 1,242,274; Oct. 9; v. 243; p. 296.
- Support for articles. C. M. Gay. No. 1,248,843; Dec. 4; v. 245; p. 123.
- Support or stand. C. C. Reynolds. No. 1,231,197; June 26; v. 239; p. 1070.
- Supporter. E. M. Coison. No. 1,225,581; May 8; v. 238; p. 559.
- Supporter. W. B. Munn. No. 1,239,030; Sept. 4; v. 242; p. 100.
- Supporting and locking device. F. Smith. No. 1,242,731; Oct. 9; v. 243; p. 442.
- Supporting-bracket. C. Bennecke. No. 1,231,986; July 3; v. 240; p. 150.
- Supporting-bracket. D. R. Curtenius. No. 1,247,938; Nov. 27; v. 244; p. 923.
- Supporting device. E. E. Childs. No. 1,228,649; June 5; v. 239; p. 93.
- Supporting device. W. E. Clayton. No. 1,218,055; Mar. 6; v. 236; p. 59.
- Supporting device. R. D. Edmunds. No. 1,238,119; Aug. 28; v. 241; p. 935.
- Supporting device. W. A. Forster. No. 1,221,717; Apr. 3; v. 237; p. 248.
- Supporting device. J. C. Klenk and J. J. Cronin. No. 1,229,977; June 12; v. 239; p. 586.
- Supporting device. J. H. Theiss. No. 1,211,895; Jan. 9; v. 234; p. 557.
- Supporting device, Adjustable. L. A. Barnes. No. 1,227,105; May 22; v. 238; p. 1155.
- Supporting-frame, Adjustable. C. F. Wendel. No. 1,235,405; July 31; v. 240; p. 1386.
- Supporting-hook. E. L. Cosner. No. 1,225,585; May 8; v. 238; p. 560.
- Supporting-mat. A. L. Moody. No. 1,248,150; Nov. 27; v. 244; p. 982.
- Surface-coverings, Non-slipping underpiece for. J. E. Tourangeau. No. 1,234,827; July 31; v. 240; p. 1210.
- Surface-dressing, Feed-machine for. R. M. Fotheringham. No. 1,249,608; Dec. 11; v. 245; p. 371.
- Surface-gage. J. Stenitzer. No. 1,251,437; Dec. 25; v. 245; p. 1000.
- Surface-trimming machine. H. C. Hansen. No. 1,223,324; Apr. 17; v. 237; p. 879.
- Surfaces to a polished condition, Machine for reducing hard and rough. A. R. Seaman. No. 1,224,506; May 1; v. 238; p. 139.
- Surfacing apparatus. L. Harris. No. 1,243,404; Oct. 16; v. 243; p. 683.
- Surfacing-machine. C. F. Heinkel and W. G. Lueters. No. 1,227,051; May 22; v. 238; p. 1136.
- Surgical adhesive strip. C. W. Teed. No. 1,230,444; June 19; v. 239; p. 777.
- Surgical adhesive strip. C. W. Teed and J. A. Holley. No. 1,230,445; June 19; v. 239; p. 778.
- Surgical and medical appliance. G. L. Dutard. No. 1,250,818; Dec. 18; v. 245; p. 768.
- Surgical apparatus. F. M. McDonald. No. 1,244,624; Oct. 30; v. 243; p. 1127.
- Surgical appliance. E. B. Chapman. No. 1,240,026; Sept. 11; v. 242; p. 443.
- Surgical appliance. E. B. Chapman. No. 1,248,613; Dec. 4; v. 245; p. 56.
- Surgical appliance. B. M. Doud. No. 1,240,125; Sept. 11; v. 242; p. 472.
- Surgical appliance. H. A. Dygert. No. 1,221,518; Apr. 3; v. 237; p. 182.
- Surgical appliance. A. M. Jones. No. 1,215,028; Feb. 6; v. 235; p. 193.
- Surgical appliance. E. Roddy. No. 1,243,629; Oct. 16; v. 243; p. 752.
- Surgical bandage. J. A. Cameron and G. B. Birch. No. 1,217,562; Feb. 27; v. 235; p. 1212.
- Surgical bandage and fastener therefor. R. H. Banks. No. 1,212,731; Jan. 16; v. 234; p. 882.
- Surgical bandages, Machine for making. P. S. Bauer. No. 1,238,086; Aug. 28; v. 241; p. 923.
- Surgical cotton-point. E. W. Stephan. No. 1,210,720; Jan. 2; v. 234; p. 119.
- Surgical device. J. H. Beatty. No. 1,245,858; Nov. 6; v. 244; p. 217.
- Surgical device. J. S. Falck. No. 1,216,099; Feb. 13; v. 235; p. 607.
- Surgical device. O. Lederer. No. 1,225,341; May 8; v. 238; p. 479.
- Surgical device. W. J. Manning. No. 1,229,633; June 12; v. 239; p. 474.
- Surgical illuminating-speculum, Self-illuminated. I. J. Smit. No. 1,246,340; Nov. 13; v. 244; p. 388.
- Surgical instrument. G. B. Biron. No. 1,218,513; Mar. 6; v. 236; p. 215.
- Surgical instrument. C. M. and M. C. George. No. 1,231,250; June 26; v. 239; p. 1088.
- Surgical instrument. L. Gracey. No. 1,217,745; Feb. 27; v. 235; p. 1274.
- Surgical instrument. M. B. Herman. No. 1,226,513; May 15; v. 238; p. 916.
- Surgical instrument. G. H. Hodgson. No. 1,234,106; July 17; v. 240; p. 910.
- Surgical instrument. H. S. White. No. 1,245,845; Nov. 6; v. 244; p. 213.
- Surgical instruments, Combined pocket-case and sterilizer for. A. H. De Goenaga. No. 1,223,675; Apr. 24; v. 237; p. 1039.
- Surgical ligature. B. K. Hollister. No. 1,239,690; Sept. 11; v. 242; p. 339.
- Surgical-motor casing. W. A. Winter. No. 1,229,694; June 12; v. 239; p. 495.
- Surgical packing, Inflatable. A. L. Beck. No. 1,235,095; July 31; v. 240; p. 1294.
- Surgical splint. H. T. Buckner. No. 1,243,137; Oct. 16; v. 243; p. 604.
- Surgical splint. J. L. Nylander. No. 1,233,112; July 10; v. 240; p. 553.
- Surgical splint. A. Ujdur. No. 1,220,476; Mar. 27; v. 236; p. 1008.
- Surgical-suture holder. C. D. Lukens. No. 1,234,051; July 17; v. 240; p. 892.
- Surgical table, Adjustable bedside. R. C. Gorton. No. 1,243,508; Oct. 16; v. 243; p. 716.
- Surgical swab. T. P. Hamilton. No. 1,229,195; June 5; v. 239; p. 276.
- Surgical swab. O. C. Schulz. No. 1,221,227; Apr. 3; v. 237; p. 80.
- Surgical swab. W. H. Sharp. No. 1,221,231; Apr. 3; v. 237; p. 82.
- Surgical swab. S. W. Williams. No. 1,234,844; July 31; v. 240; p. 1214.
- Surgical tourniquet. H. W. Plummer. No. 1,218,313; Mar. 6; v. 236; p. 149.
- Surgical use, Irrigating-pan for. M. B. Herman. No. 1,245,915; Nov. 6; v. 244; p. 234.
- Surveying instrument. F. S. Clark. No. 1,239,083; Sept. 4; v. 242; p. 116.
- Surveying instrument, Pocket. R. W. Richards. No. 1,223,615; Apr. 24; v. 237; p. 1016.
- Surveyor's rod. C. Logasa. No. 1,248,513; Dec. 4; v. 245; p. 24.
- Suspender attachment. E. E. Harlow. No. 1,220,984; Mar. 27; v. 236; p. 1179.
- Suspender connection. J. G. Lamothe. No. 1,213,386; Jan. 23; v. 234; p. 1141.
- Suspender-loop. J. W. Stevenson. No. 1,248,197; Nov. 27; v. 244; p. 995.
- Suspender, Sock-. A. J. Lister. No. 1,244,218; Oct. 23; v. 243; p. 967.
- Suspender-tab. A. J. Sullivan. No. 1,234,819; July 31; v. 240; p. 1207.
- Suspenders. H. E. Gregg. No. 1,221,722; Apr. 3; v. 237; p. 250.
- Suspenders. W. Mateer. No. 1,214,569; Feb. 6; v. 235; p. 30.
- Suspenders. W. C. Reinmuth. No. 1,228,599; June 5; v. 239; p. 77.
- Suspenders and making the same, Overall-. H. L. Willis. No. 1,238,611; Aug. 28; v. 241; p. 1094.
- Suspenders, Attachment for. A. B. Scott. No. 1,245,043; Oct. 30; v. 243; p. 1253.
- Suspenders, Overall-. J. A. Patterson. No. 1,249,816; Dec. 11; v. 245; p. 433.
- Suspending-frame, Extensible. R. K. Fox. No. 1,232,911; July 10; v. 240; p. 489.
- Suspending-hook. H. Slasor. No. 1,228,490; June 5; v. 239; p. 39.
- Suspension-clamp. C. W. Dietrich. (Reissue.) No. 14,260; Feb. 20; v. 235; p. 1016.

Alphabetical list of inventions—Continued.

- Suspension device. J. P. Stanton. No. 1,215,788; Feb. 13; v. 235; p. 476.
- Suspension-spring. E. Koeb. No. 1,237,655; Aug. 21; v. 241; p. 755.
- Suspensory. Rupture-. I. Walsky. No. 1,230,451; June 19; v. 239; p. 780.
- Suture. J. A. Bigelow and L. F. Chapin. No. 1,250,114; Dec. 11; v. 245; p. 518.
- Swab-cup. C. J. Poore and S. T. Pearsons. No. 1,229,135; June 5; v. 239; p. 256.
- Swab-cup. Air-cooled. J. L. Paxton. No. 1,245,764; Nov. 6; v. 244; p. 187.
- Swab-holder. W. D. Naramore. No. 1,223,196; Apr. 17; v. 237; p. 839.
- Swaging-die. A. L. Eliasoff. No. 1,241,360; Sept. 25; v. 242; p. 931.
- Swath-divider. J. Payton. No. 1,244,074; Oct. 23; v. 243; p. 923.
- Sweat-band backing, Adjustable. J. J. Mendenhall. No. 1,219,755; Mar. 20; v. 236; p. 715.
- Sweep-rake. S. J. Madden. No. 1,219,018; Mar. 13; v. 236; p. 432.
- Sweep shoe and blade. J. E. Dixon. No. 1,230,686; June 19; v. 239; p. 859.
- Sweep-stick coupling. G. W. Daymon. No. 1,241,829; Oct. 2; v. 243; p. 116.
- Sweep-stock attachment. J. Polasek. No. 1,230,022; June 12; v. 239; p. 600.
- Sweeper. E. B. Smith. No. 1,233,135; July 10; v. 240; p. 560.
- Sweeper and vacuum-cleaner, Combination. S. Otani. No. 1,226,363; May 15; v. 238; p. 869.
- Sweeper, Suction-. II. E. Hoover. No. 1,247,837; Nov. 27; v. 244; p. 895.
- Sweeper, Suction-. E. Krantz. No. 1,237,793; Aug. 21; v. 241; p. 797.
- Swimming apparatus. A. K. Zawadzki. No. 1,221,950; Apr. 10; v. 237; p. 364.
- Swimming appliance. R. W. Davis. No. 1,239,088; Sept. 4; v. 242; p. 118.
- Swimming appliance. L. Maricich. No. 1,221,467; Apr. 3; v. 237; p. 164.
- Swimming appliance. T. A. Pyros. No. 1,231,646; July 3; v. 240; p. 36.
- Swimming appliance. W. H. Roberts. No. 1,215,063; Feb. 6; v. 235; p. 205.
- Swimming device. F. G. Baldrige. No. 1,217,681; Feb. 27; v. 235; p. 1254.
- Swimming device. M. Jelalian. No. 1,216,457; Feb. 20; v. 235; p. 785.
- Swimming. Device for teaching. P. Bellan. No. 1,238,380; Aug. 28; v. 241; p. 1021.
- Swimming device or life-preserver. F. Guethoff. No. 1,217,756; Feb. 27; v. 235; p. 1279.
- Swimming-harness. R. W. Lyon. No. 1,251,394; Dec. 25; v. 245; p. 987.
- Swing. L. D. Burlingham. No. 1,212,739; Jan. 16; v. 234; p. 884.
- Swing. Francis. No. 1,243,659; Oct. 16; v. 243; p. 76.
- Swing. E. C. Fremaux. No. 1,241,951; Oct. 2; v. 243; p. 153.
- Swing. J. Jochumsen. No. 1,238,920; Sept. 4; v. 242; p. 64.
- Swing. A. McPherson. No. 1,215,394; Feb. 13; v. 235; p. 352.
- Swing. G. A. Netcott. No. 1,228,694; June 5; v. 239; p. 109.
- Swing. R. W. Pottinger. No. 1,240,089; Sept. 11; v. 242; p. 460.
- Swing. G. S. Rodd. No. 1,247,577; Nov. 20; v. 244; p. 784.
- Swing. J. Well. No. 1,214,854; Feb. 6; v. 235; p. 128.
- Swing, Circle-. L. Scott. No. 1,225,506; May 8; v. 238; p. 533.
- Swing, Collapsible. H. C. Smith. No. 1,230,609; June 19; v. 239; p. 834.
- Swing, Giant. F. E. Happel. No. 1,220,332; Mar. 27; v. 236; p. 958.
- Swing-hanger. W. J. Romack. No. 1,228,825; June 5; v. 239; p. 154.
- Swing-hanger. H. J. Volkwein. No. 1,213,783; Jan. 23; v. 234; p. 1275.
- Swing hanger, Porch-. L. V. Ling. No. 1,218,194; Mar. 6; v. 236; p. 106.
- Swing-hook. G. D. Bulmer. No. 1,247,500; Nov. 20; v. 244; p. 763.
- Swing, Invalid's. J. Stormo. No. 1,216,878; Feb. 20; v. 235; p. 930.
- Swing, Lawn-. J. M. Mayer. No. 1,220,764; Mar. 27; v. 236; p. 1105.
- Swing, Pleasure-. J. E. Carey. No. 1,215,110; Feb. 6; v. 235; p. 219.
- Swing, Porch-. S. U. Johnson. No. 1,237,786; Aug. 21; v. 241; p. 796.
- Swings, Fan attachment for. I. W. Crabtree. No. 1,239,161; Sept. 4; v. 242; p. 142.
- Swinging gate and partition. J. F. Watts. No. 1,215,892; Feb. 13; v. 235; p. 531.
- Swinging horse. A. D. Converse. No. 1,245,439; Nov. 6; v. 244; p. 59.
- Swingletree. J. D. Capshaw. No. 1,240,938; Sept. 25; v. 242; p. 798.
- Swingletree. M. G. Hard. No. 1,244,202; Oct. 23; v. 243; p. 960.
- Swingletree. J. Kelley. No. 1,232,809; July 10; v. 240; p. 455.
- Swingletree-clip. J. C. Kubly. No. 1,240,983; Sept. 25; v. 242; p. 812.
- Swingletree-clip. J. D. Leasman. No. 1,236,951; Aug. 14; v. 241; p. 491.
- Swingletree-clip. J. C. Melger. No. 1,240,238; Sept. 18; v. 242; p. 548.
- Swingletree connection. C. A. Bird. No. 1,243,581; Oct. 16; v. 243; p. 737.
- Switch. See—
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| Automatic switch. | Locking-switch. |
| Automatic selecting-switch. | Magnet-switch. |
| Barometer-switch. | Meter-switch. |
| Barrier-cut-out switch. | Monorail switch. |
| Break-switch. | Motor-starting switch. |
| Centrifugal switch. | Multiple switch. |
| Condenser-switch. | Oil-switch. |
| Cut-out switch. | Padlock-switch. |
| Dental-instrument switch. | Permutation-switch. |
| Electric switch. | Plugging-in switch. |
| Electric-circuit switch. | Pull-chain switch. |
| Electric-light switch. | Push-switch. |
| Electric regulating-switch. | Push-button switch. |
| Electric time-switch. | Quick-break switch. |
| Electric wall-switch. | Railway-switch. |
| Electrical switch. | Relay-switch. |
| Electrical plug-switch. | Running-switch. |
| Electromagnetic switch. | Safety-switch. |
| Feed-trough switch. | Safety-limit switch. |
| Field-control switch. | Section-switch. |
| Flash-light switch. | Selector-switch. |
| Flush switch. | Sign-switch. |
| Frogless switch. | Signal-switch. |
| Hammer-switch. | Snap-switch. |
| High-potential switch. | Spring-switch. |
| High-tension switch. | Starting-switch. |
| High-tension line-switch. | Suction-controlled switch. |
| Ignition-switch. | Tamper-switch. |
| Illuminated switch. | Telephone-switch. |
| Insulator-switch. | Time-switch. |
| Knife-switch. | Time-controlled switch. |
| Knife-blade switch. | Track-switch. |
| Lock-switch. | Trolley-switch. |
- Switch. G. V. Allen. No. 1,219,794; Mar. 20; v. 236; p. 729.
- Switch. J. E. Bradrick. No. 1,231,481; June 26; v. 239; p. 1164.
- Switch. S. F. Briggs. No. 1,232,650; July 10; v. 240; p. 401.
- Switch. S. Buchsbaum. No. 1,222,355; Apr. 10; v. 237; p. 506.
- Switch. G. C. Carhart and S. L. Young. No. 1,240,309; Sept. 18; v. 242; p. 570.
- Switch. M. Carr. No. 1,213,073; Jan. 16; v. 234; p. 997.
- Switch. J. F. Cavanagh. No. 1,238,261; Aug. 28; v. 241; p. 982.
- Switch. J. F. Cavanagh. No. 1,249,027; Dec. 4; v. 245; p. 174.
- Switch. E. E. Cook. No. 1,215,492; Feb. 13; v. 235; p. 386.
- Switch. F. E. Getts. No. 1,212,161; Jan. 9; v. 234; p. 647.
- Switch. W. L. Hamilton. No. 1,230,089; June 12; v. 239; p. 622.
- Switch. G. W. Hart. No. 1,244,085; Oct. 23; v. 243; p. 927.
- Switch. J. Lee. No. 1,243,613; Oct. 16; v. 243; p. 747.
- Switch. A. J. Loguin. No. 1,229,489; June 12; v. 239; p. 424.
- Switch. J. J. E. Mattison. No. 1,234,922; July 31; v. 240; p. 1241.
- Switch. W. R. McNary. No. 1,244,110; Oct. 23; v. 243; p. 934.
- Switch. M. Methot. No. 1,217,043; Feb. 20; v. 235; p. 985.
- Switch. M. Methot. No. 1,236,585; Aug. 14; v. 241; p. 371.
- Switch. T. E. Murray, Jr. No. 1,219,134; Mar. 13; v. 236; p. 471.
- Switch. J. M. Phinous. No. 1,221,585; Apr. 3; v. 237; p. 205.
- Switch. H. A. Steen. No. 1,220,569; Mar. 27; v. 236; p. 1040.
- Switch. H. A. Steen. No. 1,224,337; May 1; v. 238; p. 80.
- Switch. A. K. Sutherland. No. 1,226,404; May 15; v. 238; p. 882.
- Switch. J. A. Van Alstyne. No. 1,247,751; Nov. 27; v. 244; p. 869.
- Switch and fuse construction. H. L. Van Valkenburg. No. 1,232,412; July 3; v. 240; p. 290.
- Switch and lock device, Combined. T. A. and W. P. Hammond. No. 1,212,632; Jan. 16; v. 234; p. 845.
- Switch and signal control, Power-actuated system of. G. B. Gray. No. 1,236,705; Aug. 14; v. 241; p. 413.
- Switch apparatus. H. Jamieson. No. 1,244,738; Oct. 30; v. 243; p. 1162.
- Switch-block and casing. A. I. Fromager and J. F. Six. No. 1,223,378; Apr. 24; v. 237; p. 931.
- Switch board or mounting. J. P. Hayes. No. 1,228,362; May 29; v. 238; p. 1603.

- Switch-box, J. Z. Bayliss and C. Raus. (Reissue.) No. 1,428,484; Apr. 17; v. 237; p. 890.
- Switch-box, J. C. Boyton and O. H. Nickerson. No. 1,249,313; Dec. 11; v. 245; p. 288.
- Switch-box, H. O'Connor. No. 1,237,807; Aug. 21; v. 241; p. 802.
- Switch-box, Electric. J. F. Burns. No. 1,215,249; Feb. 6; v. 235; p. 267.
- Switch-box, safety means. L. Siebenhauer. No. 1,228,839; June 5; v. 239; p. 159.
- Switch-box stay, S. L. Hancock and J. J. Ortnier. No. 1,246,741; Nov. 13; v. 244; p. 508.
- Switch-boxes, Mounting-strip for. E. H. Kruse. No. 1,211,182; Jan. 2; v. 234; p. 276.
- Switch brace, Staggered. T. J. Wolfe. No. 1,241,891; Oct. 2; v. 243; p. 136.
- Switch-button, Illuminated. M. C. Frank. No. 1,246,080; Nov. 13; v. 244; p. 310.
- Switch construction. E. J. King. No. 1,229,972; June 12; v. 239; p. 584.
- Switch construction, Inclosed. C. D. Platt. No. 1,240,364; Sept. 18; v. 242; p. 587.
- Switch construction, Meter-testing. C. D. Platt. No. 1,240,363; Sept. 18; v. 242; p. 587.
- Switch-frog. M. S. Graves. No. 1,239,001; Sept. 4; v. 242; p. 90.
- Switch-frogs, Foot-blocking for. J. J. Lally. No. 1,246,439; Nov. 13; v. 244; p. 418.
- Switch-indicator. S. N. Wight. No. 1,224,111; Apr. 24; v. 237; p. 1187.
- Switch indicator, Pull. G. W. Goodridge. No. 1,249,065; Dec. 4; v. 245; p. 184.
- Switch instrumentality, Electrical. H. F. Krantz. No. 1,250,324; Dec. 18; v. 245; p. 620.
- Switch-lever, Self-locking. T. J. Arledge. No. 1,219,214; Mar. 13; v. 236; p. 498.
- Switch-lock. J. Atkins. No. 1,232,477; July 10; v. 240; p. 346.
- Switch-lock. C. Grimes. No. 1,232,792; July 10; v. 240; p. 450.
- Switch-lock. A. Lindner. No. 1,246,288; Nov. 13; v. 244; p. 372.
- Switch-lock. B. H. McNeil. No. 1,239,199; Sept. 4; v. 242; p. 153.
- Switch-lock. A. P. Sunnergren. No. 1,248,572; Dec. 4; v. 245; p. 43.
- Switch-lock, Automatic safety. F. C. Anderson. No. 1,234,522; July 24; v. 240; p. 1083.
- Switch-lock, Electrical. P. W. Wiggert. No. 1,249,872; Dec. 11; v. 245; p. 450.
- Switch-lock for motor-vehicles. G. Frank. No. 1,216,559; Feb. 20; v. 235; p. 821.
- Switch-lock, Permutation. M. L. Greenstreet and G. C. Moulder. No. 1,217,751; Feb. 27; v. 235; p. 1277.
- Switch mechanism. B. G. Jamieson. No. 1,247,842; Nov. 27; v. 244; p. 896.
- Switch mechanism. J. N. Reynolds. No. 1,215,859; Feb. 13; v. 235; p. 520.
- Switch mechanism, Electric. D. D. Gordon. No. 1,219,548; Mar. 20; v. 236; p. 645.
- Switch mechanism, Electric. D. D. Gordon. No. 1,220,220; Mar. 27; v. 236; p. 916.
- Switch mechanism, Electric. D. D. Gordon. No. 1,220,414; Mar. 27; v. 236; p. 985.
- Switch mechanism, Limit. W. N. Dickinson. No. 1,249,043; Dec. 4; v. 245; p. 178.
- Switch mechanism operating means. R. A. Schoenberg. No. 1,229,530; June 12; v. 239; p. 439.
- Switch-operating device. M. Derrech. No. 1,220,612; Mar. 27; v. 236; p. 1055.
- Switch-operating device. J. M. Mallory. No. 1,231,403; June 26; v. 239; p. 1138.
- Switch-operating mechanism. H. C. Armuth. No. 1,246,698; Nov. 13; v. 244; p. 495.
- Switch-operating mechanism. N. K. Bowman. No. 1,216,935; Feb. 20; v. 235; p. 948.
- Switch-operating mechanism. A. O. Picard. No. 1,238,189; Aug. 28; v. 241; p. 958.
- Switch-operating mechanism. C. H. Ratliff. No. 1,210,833; Jan. 2; v. 234; p. 157.
- Switch plugs or keys of motor-vehicles, Safety-lock for. R. L. Mundell. No. 1,239,292; Sept. 4; v. 242; p. 184.
- Switch-point hold-down. O. P. Morrison. No. 1,240,588; Sept. 18; v. 242; p. 655.
- Switch-point operator. R. Alcolea. No. 1,229,566; June 12; v. 239; p. 452.
- Switch-point-throwing device, Automatic. J. M. Gonzales. No. 1,251,218; Dec. 25; v. 245; p. 935.
- Switch-point tie-bar. P. J. Dell, Jr. No. 1,249,912; Dec. 11; v. 245; p. 462.
- Switch-points, Automatic lubricator for. F. D. Polhemus. No. 1,239,719; Sept. 11; v. 242; p. 348.
- Switch-points, Connecting device for. R. W. Snapp. No. 1,230,047; June 12; v. 239; p. 607.
- Switch release-lock. E. K. Post and J. S. Gensheimer. No. 1,223,611; Apr. 24; v. 237; p. 1014.
- Switch-selector. O. A. Danielson. No. 1,214,515; Feb. 6; v. 235; p. 11.
- Switch-shifter. A. McVey. No. 1,225,465; May 8; v. 238; p. 521.
- Switch-stand. E. M. Robinson. No. 1,218,956; Mar. 13; v. 236; p. 410.
- Switch-stand. J. W. Walls. No. 1,245,167; Nov. 6; v. 244; p. 7.
- Switch-stand, Combination locking. J. W. Walls. No. 1,244,147; Oct. 23; v. 243; p. 945.
- Switch-thrower. F. Poggemeyer. No. 1,242,037; Oct. 2; v. 243; p. 180.
- Switch-throwing device. L. A. Rivon. No. 1,233,915; July 17; v. 240; p. 849.
- Switch-throwing device. B. Bloxton. No. 1,238,094; Aug. 28; v. 241; p. 926.
- Switch-throwing device, Safety. F. Warzecha. No. 1,245,075; Oct. 30; v. 243; p. 1263.
- Switches, Automatic cut-out for. A. R. Trillitsch. No. 1,241,580; Oct. 2; v. 243; p. 37.
- Switches, Circuit-closer for track. C. W. Squires. No. 1,220,701; Mar. 27; v. 236; p. 1085.
- Switchboard. J. P. Hayes. No. 1,234,471; July 24; v. 240; p. 1067.
- Switchboard. H. F. Krantz. No. 1,248,415; Nov. 27; v. 244; p. 1056.
- Switchboard-cord, Moisture-proof. W. L. Runzel. No. 1,214,830; Feb. 6; v. 235; p. 120.
- Switchboard, Portable. G. Thompson. No. 1,230,946; June 26; v. 239; p. 934.
- Switching apparatus. C. Renshaw. No. 1,238,336; Aug. 28; v. 241; p. 1007.
- Switching apparatus. W. M. Scott. No. 1,250,674; Dec. 18; v. 245; p. 724.
- Switching apparatus. W. M. Scott. No. 1,251,120; Dec. 25; v. 245; p. 906.
- Switching apparatus. W. M. Scott. No. 1,251,294; Dec. 25; v. 245; p. 957.
- Switching apparatus. K. A. Simmon. No. 1,217,513; Feb. 27; v. 235; p. 1195.
- Switching device. W. M. Austin. No. 1,234,999; July 31; v. 240; p. 1265.
- Switching device. C. F. Baldwin. No. 1,245,422; Nov. 6; v. 244; p. 84.
- Switching device. E. F. Hamill. No. 1,218,552; Mar. 6; v. 236; p. 229.
- Switching device. S. Q. Hayes and C. M. Moss. No. 1,227,434; May 22; v. 238; p. 1261.
- Switching device. L. G. Riley. No. 1,244,545; Oct. 30; v. 243; p. 1104.
- Switching device. A. H. Weiss. No. 1,224,517; May 1; v. 238; p. 144.
- Switching device, Automatic. R. V. Cheatham and E. S. Olmsted. No. 1,239,258; Sept. 4; v. 242; p. 173.
- Switching device, Centrifugal. E. Mattman. No. 1,236,733; Aug. 14; v. 241; p. 422.
- Switching device, Electric. M. L. Severy. No. 1,218,123; Mar. 6; v. 236; p. 82.
- Switching device, Multicontact. A. E. Lundell. No. 1,246,625; Nov. 13; v. 244; p. 475.
- Switching devices, Contact-bank for automatic. C. L. Goodrum and H. F. Dobbin. No. 1,227,904; May 29; v. 238; p. 1452.
- Switching mechanism. F. B. Little. No. 1,216,238; Feb. 13; v. 235; p. 656.
- Switching mechanism, Automatic. J. M. Wilson. No. 1,219,519; Mar. 20; v. 236; p. 633.
- Swivel attachment-plug. O. Kessler. No. 1,231,379; June 26; v. 239; p. 1130.
- Swivel cord-tube. E. Cleary. No. 1,250,283; Dec. 18; v. 245; p. 608.
- Swivel-hook for coat-hangers. G. Wordingham. No. 1,213,569; Jan. 23; v. 234; p. 1205.
- Swivel, Oil-tight. E. Double. No. 1,210,615; Jan. 2; v. 234; p. 82.
- Sword and pistol, Combined. J. Krasnodemski. No. 1,238,527; Aug. 28; v. 241; p. 1069.
- Sword and pistol, Combined. A. Serafin. No. 1,248,932; Dec. 4; v. 245; p. 148.
- Sword and pistol, Combined. J. J. Wiglert. No. 1,239,065; Sept. 4; v. 242; p. 110.
- Sword-pistol. A. Ramocki. No. 1,241,552; Oct. 2; v. 243; p. 27.
- Symmetroscope. J. Grünberg. No. 1,232,290; July 3; v. 240; p. 252.
- Synchronism-indicator. G. J. Van Swaay and H. I. Keus. No. 1,234,584; July 24; v. 240; p. 1102.
- Synchronized entertainment device, Automatically. W. H. Bristol. No. 1,234,127; July 24; v. 240; p. 953.
- Synchronizer. M. L. Severy and G. B. Sinclair. No. 1,224,420; May 1; v. 238; p. 110.
- Synchronizer, Automatic. J. G. Zimmerman. No. 1,230,109; June 19; v. 239; p. 1041.
- Synchronizing apparatus. M. J. Johnson. No. 1,234,170; July 24; v. 240; p. 968.
- Synchronizing apparatus. S. C. Porter. No. 1,250,351; Dec. 18; v. 245; p. 628.
- Synchronizing device. W. B. Jackson. No. 1,222,547; Apr. 10; v. 237; p. 574.
- Synchronizing mechanism, Automatic. W. J. Herschede and C. Cohan. No. 1,250,173; Dec. 18; v. 245; p. 575.
- Synchronizing rotary devices. Means for. G. M. Yorke and G. R. Benjamin. No. 1,215,605; Feb. 13; v. 235; p. 430.
- Synchronous machines, Means for starting. E. Rosenberg. No. 1,231,651; July 3; v. 240; p. 37.
- Synchronous motor. A. R. Bullock. No. 1,232,209; July 3; v. 240; p. 225.
- Synchronous motor. A. Kimble and J. D. Nies. No. 1,217,187; Feb. 27; v. 235; p. 1079.

Alphabetical list of inventions—Continued.

- Synchronous motor, Alternating-current. R. W. Swift. No. 1,226,406; May 15; v. 238; p. 882.
- Synchrosopes, Safety attachment for. P. E. Means. No. 1,230,003; June 12; v. 239; p. 594.
- Synthetic composition, Manufacturing articles of. E. P. Nicholson. No. 1,212,098; Jan. 9; v. 234; p. 623.
- Synthetic product resembling caoutchouc. E. Münch. No. 1,238,930; Sept. 4; v. 242; p. 67.
- Syringe. A. N. Bessesen. No. 1,223,243; Apr. 17; v. 237; p. 852.
- Syringe. J. H. L. Eager. No. 1,243,054; Oct. 16; v. 243; p. 580.
- Syringe. G. C. Hohein. No. 1,242,506; Oct. 9; v. 243; p. 465.
- Syringe. S. A. Ichilian. No. 1,235,142; July 31; v. 240; p. 1308.
- Syringe. H. Laurent. No. 1,222,424; Apr. 10; v. 237; p. 531.
- Syringe. M. and H. Meyer. No. 1,231,772; July 3; v. 240; p. 79.
- Syringe. W. J. Norris. No. 1,221,084; Apr. 3; v. 237; p. 28.
- Syringe. C. Storz. No. 1,222,814; Apr. 17; v. 237; p. 708.
- Syringe and tube hanger. O. B. Hawes. No. 1,225,243; May 8; v. 238; p. 442.
- Syringe case, Hypodermic. A. J. Gilbert. No. 1,235,890; Aug. 7; v. 241; p. 119.
- Syringe, Fountain. F. J. O'Rourke. No. 1,239,947; Sept. 11; v. 242; p. 421.
- Syringe-hydrometer housing. E. Edelmann. No. 1,245,449; Nov. 6; v. 244; p. 92.
- Syringe, Hypodermic. H. S. Cook. No. 1,231,497; June 26; v. 239; p. 1168.
- Syringe, Hypodermic. F. S. Dickinson. No. 1,240,033; Sept. 11; v. 242; p. 445.
- Syringe, Hypodermic. J. T. Greeley. No. 1,236,426; Aug. 14; v. 241; p. 319.
- Syringe, Hypodermic. B. T. Trueblood. No. 1,234,582; July 24; v. 240; p. 1101.
- Syringe or atomizer. A. Deutsch. No. 1,210,772; Jan. 2; v. 234; p. 135.
- Syringe, Vaginal. N. C. E. Schwartz. No. 1,211,246; Jan. 2; v. 234; p. 300.
- Syringes and the like from receptacles. Device for use in filling. L. B. Green. No. 1,219,937; Mar. 20; v. 236; p. 780.
- Syringes, Flow-pipe holder for fountain. W. H. Simmons. No. 1,216,739; Feb. 20; v. 235; p. 883.
- Syrup-container. R. R. Kennedy. No. 1,232,930; July 10; v. 240; p. 496.
- Syrup-cups and other articles, Holder for. G. A. N. Coppedge. No. 1,234,877; July 31; v. 240; p. 1226.
- Syrup-evaporator. P. A. Yoder. No. 1,248,237; Nov. 27; v. 244; p. 1006.
- Syrup, Treating maple. A. E. Brown. No. 1,245,669; Nov. 6; v. 244; p. 161.
- T-head construction. W. B. Thompson. No. 1,245,821; Nov. 6; v. 244; p. 206.
- Tab-card-making apparatus. F. M. Case. No. 1,211,082; Jan. 2; v. 234; p. 243.
- Tab end. H. J. Stuart. No. 1,226,271; May 15; v. 238; p. 840.
- Tab-stock-forming apparatus. F. M. Case. No. 1,211,081; Jan. 2; v. 234; p. 242.
- Tabbed sheet. J. C. Hub, Jr. No. 1,218,557; Mar. 6; v. 236; p. 231.
- Tabbed-sheet structure. J. C. Hub, Jr. No. 1,218,558; Mar. 6; v. 236; p. 231.
- Table. See—
- Adjustable table.
- Bed-table.
- Billiard-table.
- Box-blank-folding table.
- Candy-maker's table.
- Card-table.
- Casting-table.
- Centrifugal table.
- Chiropractic table.
- Collapsible table.
- Concentrating-table.
- Convertible table.
- Cooling and work table.
- Dining-table.
- Dressing-table.
- Drying-table.
- Embalming and operating table.
- Equalizing-table.
- Extensible and foldable table.
- Extension-table.
- Filing-table.
- Folding table.
- Folding and extension table.
- Game-table.
- Gathering and jogging table.
- Glass-feeding table.
- Grinding-machine table.
- Individual table.
- Ironing-table.
- Kitchen-table.
- Knockdown table.
- Lunch-room table.
- Machine-table.
- Molding and setting table.
- Multiple table.
- Operating-table.
- Ore-concentrating-table.
- Ore cooling, moistening, and feeding table.
- Phonograph-table.
- Pool-table.
- Portable table.
- Revolving table.
- Rotary-top table.
- Saw-table.
- Self-leveling table.
- Serving-table.
- Sewing-table.
- Sewing-machine table.
- Ship's table.
- Starch-table.
- Steam-table.
- Surgical table.
- Traverse-table.
- Treating-table.
- Treatment-table.
- Turn-table.
- Vaccinating-table.
- Vibrato-traction table.
- Work-table.
- Work-clamping table.
- X-ray table.
- Table. R. R. Bartlett and W. H. McClain. No. 1,235,416; July 31; v. 240; p. 1390.
- Table. G. C. Bohn. No. 1,224,129; May 1; v. 238; p. 4.
- Table. E. D. Esrey. No. 1,217,730; Feb. 27; v. 235; p. 1270.
- Table. J. G. Gaver. No. 1,248,842; Dec. 4; v. 245; p. 123.
- Table. W. Jamieson. No. 1,245,727; Nov. 6; v. 244; p. 177.
- Table. G. H. Packwood, Sr. No. 1,222,455; Apr. 10; v. 237; p. 541.
- Table. A. G. Wettergren and T. J. Furer. No. 1,233,629; July 17; v. 240; p. 759.
- Table. C. F. Williams. No. 1,236,127; Aug. 7; v. 241; p. 192.
- Table. S. M. Wirts. No. 1,243,123; Oct. 16; v. 243; p. 600.
- Table and chair, Combination. J. F. Anderson. No. 1,237,600; Aug. 21; v. 241; p. 736.
- Table and chair construction. A. Pludowski. No. 1,218,893; Mar. 13; v. 236; p. 390.
- Table and covering therefor. J. L. Cline. No. 1,237,170; Aug. 14; v. 241; p. 560.
- Table and desk, Combined. J. E. Deevers. No. 1,231,860; July 3; v. 240; p. 109.
- Table and extension-leaf, Combined. H. A. Stone. No. 1,234,103; July 17; v. 240; p. 909.
- Table and ironing-board, Combination. E. Lautenbach. No. 1,244,619; Oct. 30; v. 243; p. 1126.
- Table and ironing-board, Convertible. L. C. Wasson. No. 1,228,084; May 29; v. 238; p. 1513.
- Table and kit-carrier. J. W. McElhinny. No. 1,239,023; Sept. 4; v. 242; p. 98.
- Table-cap. J. J. Holtmeyer. No. 1,240,208; Sept. 18; v. 242; p. 538.
- Table-cover. J. J. Fitzgerald. No. 1,217,932; Mar. 6; v. 236; p. 16.
- Table-crumb sweeper. L. K. Suttle. No. 1,236,122; Aug. 7; v. 241; p. 190.
- Table-desk, Combination. F. Nielsen. No. 1,221,209; Apr. 3; v. 237; p. 74.
- Table frame, Adjustable delivery-. T. M. Clark and F. C. Plunges. No. 1,245,682; Nov. 6; v. 244; p. 164.
- Table-leg-clamping device. G. E. Carlson. No. 1,246,714; Nov. 13; v. 244; p. 499.
- Table-leg leveler. D. Ferritto. No. 1,224,156; May 1; v. 238; p. 14.
- Table lock and opener, Combined. G. T. Buddle. No. 1,247,074; Nov. 20; v. 244; p. 641.
- Table-locking device, Extension-. C. S. Burton. No. 1,237,294; Aug. 21; v. 241; p. 637.
- Table-mat. E. V. Mendenhall. No. 1,214,054; Jan. 30; v. 234; p. 1401.
- Table rack, Ship's-. J. J. Kane. No. 1,246,606; Nov. 13; v. 244; p. 470.
- Table-service apparatus, Automatic. J. F. Daschner. No. 1,223,943; Apr. 24; v. 237; p. 1130.
- Table-standard, Folding. P. A. Peer. No. 1,222,457; Apr. 10; v. 237; p. 541.
- Table-top cover, Adjustable. R. G. Taylor. No. 1,219,790; Mar. 20; v. 236; p. 728.
- Tables, Combined lock and opener for extension-. O. Herrmann. No. 1,215,656; Feb. 13; v. 235; p. 449.
- Tables, Self-centering slide for extension-. W. H. Northall. No. 1,228,233; May 29; v. 238; p. 1560.
- Tableware. O. V. Kean. No. 1,238,149; Aug. 28; v. 241; p. 944.
- Tableware. O. V. Kean. No. 1,238,150; Aug. 28; v. 241; p. 944.
- Tableware-holder. E. Riebe. No. 1,220,559; Mar. 27; v. 236; p. 1037.
- Tablet. H. N. Fraser. No. 1,243,501; Oct. 16; v. 243; p. 713.
- Tablet, Writing. G. E. Davis. No. 1,211,297; Jan. 2; v. 234; p. 317.
- Tablets, Machine for applying and compressing powder on. F. J. Stokes. No. 1,248,571; Dec. 4; v. 245; p. 42.
- Tabular bar and stop. E. B. Hess. No. 1,247,401; Nov. 20; v. 244; p. 734.
- Tabular bar and stop. L. C. Myers. No. 1,249,456; Dec. 11; v. 245; p. 328.
- Tabulating and like machine, Electrically-operated. C. A. E. A. Greene. No. 1,214,540; Feb. 6; v. 235; p. 21.
- Tabulating-machine. C. E. Nicholson. No. 1,241,140; Sept. 25; v. 242; p. 860.
- Tabulating-machine. J. Powers. No. 1,224,411; May 1; v. 238; p. 107.
- Tabulating mechanism. W. J. Crumpton. No. 1,219,376; Mar. 13; v. 236; p. 555.
- Tabulating mechanism, Hammer-lock for. J. Powers. No. 1,234,385; July 24; v. 240; p. 1034.
- Tabulating systems, Record element for. C. W. Spicer. No. 1,212,832; Jan. 16; v. 234; p. 915.
- Tack pulling and redriving machine. L. G. Freeman. No. 1,214,908; Feb. 6; v. 235; p. 149.
- Tack, Push map-. H. F. Senftner. No. 1,241,290; Sept. 25; v. 242; p. 911.
- Tack-strip. C. N. Colpitts. No. 1,247,933; Nov. 27; v. 244; p. 922.
- Tack-supplying mechanism. A. Latham. No. 1,223,401; Apr. 24; v. 237; p. 939.
- Tacking apparatus. E. Erickson. No. 1,219,446; Mar. 20; v. 236; p. 608.

- Tacking device, Hand. A. R. Schoenky. No. 1,230,229. June 19; v. 239; p. 708.
- Tag. W. F. Barnes. No. 1,226,050; May 15; v. 238; p. 761.
- Tag. C. W. Brown. No. 1,244,832; Oct. 30; v. 243; p. 1190.
- Tag. M. Horn. No. 1,236,436; Aug. 14; v. 241; p. 323.
- Tag. C. B. Tewksbury. No. 1,239,844; Sept. 11; v. 242; p. 388.
- Tag. W. W. Woodruff. No. 1,214,864; Feb. 6; v. 235; p. 132.
- Tag. J. W. Woolley. No. 1,248,047; Nov. 27; v. 244; p. 951.
- Tag and holder, Transparent license. H. W. Paynter. No. 1,238,936; Sept. 4; v. 242; p. 69.
- Tag and toy, Combined. M. A. Potvin. No. 1,219,770; Mar. 20; v. 236; p. 720.
- Tag, Assorting-. D. H. Parce. No. 1,217,987; Mar. 6; v. 236; p. 34.
- Tag, Cattle-. J. Schaub. No. 1,249,515; Dec. 11; v. 245; p. 345.
- Tag-check contrivance. C. S. Britton. No. 1,247,628; Nov. 27; v. 244; p. 831.
- Tag-fastener. J. E. Fitzgerald. No. 1,237,769; Aug. 21; v. 241; p. 791.
- Tag fastener and protector. W. S. Tyler. No. 1,239,545; Sept. 11; v. 242; p. 292.
- Tag-holder. R. C. Howell. No. 1,217,944; Mar. 6; v. 236; p. 20.
- Tag-holder. J. E. Leavitt. No. 1,225,661; May 8; v. 238; p. 585.
- Tag-holder. H. C. Wasasier. No. 1,227,711; May 29; v. 238; p. 1385.
- Tag holder, Baggage-. D. G. Currie. No. 1,211,681; Jan. 9; v. 234; p. 479.
- Tag-holder for shipping boxes or cases. T. J. Bixler. No. 1,231,988; July 3; v. 240; p. 150.
- Tag holder, License-. J. F. Lambert. No. 1,230,176; June 19; v. 239; p. 690.
- Tag, Hotel-key. C. Rosenfield, V. L. Helm, and E. Key. No. 1,214,957; Feb. 6; v. 235; p. 166.
- Tag, Identification-. E. L. Brockway. No. 1,219,909; Mar. 20; v. 236; p. 770.
- Tag, Identification-. J. H. Taylor. No. 1,246,753; Nov. 13; v. 244; p. 511.
- Tag, License-. A. Canfield. No. 1,249,024; Dec. 4; v. 245; p. 173.
- Tag or sign-plate, License-. C. M. Slick. No. 1,241,292; Sept. 25; v. 242; p. 911.
- Tag, Reversible. A. J. Loveless. No. 1,242,007; Oct. 2; v. 243; p. 172.
- Tag, Shipping-. G. H. Taylor. No. 1,241,302; Sept. 25; v. 242; p. 914.
- Tag, Shipping-. L. F. Troja. No. 1,246,499; Nov. 13; v. 244; p. 437.
- Tag-tacking machine. L. Blumenthal. No. 1,244,695; Oct. 30; v. 243; p. 1148.
- Tag-tying machine. A. H. Whatley. No. 1,225,090; May 8; v. 238; p. 392.
- Tag, Work-direction. A. R. Gwynn. No. 1,245,457; Nov. 6; v. 244; p. 94.
- Tags, Implement for attaching ear-. J. Schaub. No. 1,225,180; May 8; v. 238; p. 422.
- Tags, Machine for affixing and printing. C. W. Brown. No. 1,230,107; June 19; v. 239; p. 666.
- Tail-light. A. W. Morford. No. 1,222,442; Apr. 10; v. 237; p. 537.
- Tail-skid clip. H. Kleckler. No. 1,246,026; Nov. 6; v. 244; p. 263.
- Tailor's iron. A. Durand. No. 1,213,602; Jan. 23; v. 234; p. 1216.
- Tailor's iron. A. Durand. No. 1,219,090; Mar. 13; v. 236; p. 456.
- Tailor's measuring device. R. Kaeser. No. 1,218,565; Mar. 6; v. 236; p. 233.
- Take-down device. H. E. De Vaughn. No. 1,237,262; Aug. 14; v. 241; p. 589.
- Take-up. G. B. Osterhout. No. 1,242,031; Oct. 2; v. 243; p. 179.
- Take-up mechanism. J. Novotny. No. 1,242,229; Oct. 9; v. 243; p. 282.
- Talking and picture-projecting machine, Combined. A. Luciano. No. 1,239,800; Sept. 11; v. 242; p. 873.
- Talking-machine. F. L. Capps. No. 1,216,656; Feb. 20; v. 235; p. 854.
- Talking-machine. F. J. Empson. No. 1,240,038; Sept. 11; v. 242; p. 446.
- Talking-machine. J. C. English. No. 1,219,275; Mar. 13; v. 236; p. 518.
- Talking-machine. J. C. English. No. 1,222,371; Apr. 10; v. 237; p. 511.
- Talking-machine. J. C. English. No. 1,222,372; Apr. 10; v. 237; p. 512.
- Talking-machine. C. I. Hall. No. 1,240,711; Sept. 18; v. 242; p. 693.
- Talking-machine. H. W. Hess. No. 1,214,304; Jan. 30; v. 234; p. 1488.
- Talking-machine. E. R. Johnson. No. 1,235,695; Aug. 7; v. 241; p. 53.
- Talking-machine. E. R. Johnson and J. C. English. No. 1,217,869; Feb. 27; v. 235; p. 1316.
- Talking-machine. T. Kraemer. No. 1,223,889; Apr. 24; v. 237; p. 1113.
- Talking-machine. W. D. La Rue. No. 1,223,080; Apr. 17; v. 237; p. 799.
- Talking-machine. L. Lumiere. No. 1,246,763; Nov. 13; v. 244; p. 514.
- Talking-machine. J. B. Marshall. No. 1,219,753; Mar. 20; v. 236; p. 715.
- Talking-machine. H. A. Myers. No. 1,234,197; July 24; v. 240; p. 976.
- Talking-machine. W. S. Samuel. No. 1,239,305; Sept. 4; v. 242; p. 188.
- Talking-machine. H. Sheble and T. Kraemer. No. 1,240,497; Sept. 18; v. 242; p. 629.
- Talking-machine. H. H. Tompkins. No. 1,239,063; Sept. 4; v. 242; p. 110.
- Talking-machine. C. E. Woods. No. 1,213,443; Jan. 23; v. 234; p. 1161.
- Talking-machine. C. E. Woods. No. 1,214,106; Jan. 30; v. 234; p. 1417.
- Talking-machine attachment. W. M. Hilliard. No. 1,216,691; Feb. 20; v. 235; p. 866.
- Talking-machine attachment. L. Moroney. No. 1,247,441; Nov. 20; v. 244; p. 746.
- Talking-machine automatic starter. F. Puschnerus. No. 1,251,100; Dec. 25; v. 245; p. 900.
- Talking-machine automatic stop. M. B. Selter. No. 1,244,550; Oct. 30; v. 243; p. 1105.
- Talking-machine, Automatically-operated. L. P. Valiquet. No. 1,224,979; May 8; v. 238; p. 355.
- Talking-machine brake. G. Buena and A. E. Burson. No. 1,221,285; Apr. 3; v. 237; p. 101.
- Talking-machine brake. W. N. Dennison. No. 1,219,380; Mar. 13; v. 236; p. 556.
- Talking-machine brake. J. A. Weser. No. 1,231,826; July 3; v. 240; p. 99.
- Talking-machine brake, Automatic. W. N. Dennison. No. 1,219,379; Mar. 13; v. 236; p. 556.
- Talking-machine cabinet. C. Beecroft. No. 1,244,944; Oct. 30; v. 243; p. 1225.
- Talking-machine, Cabinet. F. A. Dennett. No. 1,239,774; Sept. 11; v. 242; p. 364.
- Talking-machine cabinet. A. D. Jones. No. 1,228,446; June 5; v. 239; p. 24.
- Talking-machine, Cabinet. H. C. Miller. No. 1,234,555; July 24; v. 240; p. 1093.
- Talking-machine driving device. J. Frier. No. 1,228,014; May 29; v. 238; p. 1489.
- Talking-machine driving mechanism. H. Rosenbaum. No. 1,231,431; June 26; v. 239; p. 1148.
- Talking-machine motor. W. G. Shelton. No. 1,234,811; July 31; v. 240; p. 1205.
- Talking-machine motor. W. G. Shelton. No. 1,246,823; Nov. 13; v. 244; p. 532.
- Talking-machine motor. J. K. Stewart. No. 1,238,454; Aug. 28; v. 241; p. 1045.
- Talking-machine-motor-controlling mechanism. A. A. Huseby. No. 1,224,547; May 1; v. 238; p. 155.
- Talking-machine, Multiple. E. M. Clasen. No. 1,243,385; Oct. 16; v. 243; p. 678.
- Talking-machine, Portable. A. Stechbart. No. 1,230,614; June 19; v. 239; p. 836.
- Talking-machine record. E. T. Frankel. No. 1,222,381; Apr. 10; v. 237; p. 514.
- Talking-machine record. A. N. Petit. No. 1,246,651; Nov. 13; v. 244; p. 482.
- Talking-machine-record cabinet. P. A. Deterling. No. 1,238,112; Aug. 28; v. 241; p. 932.
- Talking-machine records, Lubricating and polishing pad for. P. B. Delany. No. 1,247,232; Nov. 20; v. 244; p. 687.
- Talking-machine records, Making. J. Kaiser. No. 1,249,414; Dec. 11; v. 245; p. 315.
- Talking-machine repeater. J. Para. No. 1,219,144; Mar. 13; v. 236; p. 474.
- Talking-machine sound-box. A. A. Huseby. No. 1,228,116; May 29; v. 238; p. 1524.
- Talking-machine sound-box. W. Opel. No. 1,229,780; June 12; v. 239; p. 522.
- Talking-machine sound-box counting. A. A. Huseby. No. 1,228,115; May 29; v. 238; p. 1523.
- Talking-machine speed-indicator. H. Kocourek. No. 1,219,112; Mar. 13; v. 236; p. 463.
- Talking-machine start and stop device. C. E. Woods. No. 1,236,893; Aug. 14; v. 241; p. 472.
- Talking-machine stop mechanism. R. Duncan. No. 1,211,110; Jan. 2; v. 234; p. 251.
- Talking-machine stop mechanism. H. H. Murray. No. 1,229,642; June 12; v. 239; p. 477.
- Talking-machine stylus. W. F. Dun Lany. No. 1,211,559; Jan. 9; v. 234; p. 439.
- Talking-machine stylus holder. W. T. Moore. No. 1,234,375; July 24; v. 240; p. 1035.
- Talking-machine tablet-support. P. Catucci. No. 1,242,920; Oct. 16; v. 243; p. 536.
- Talking-machine tone-arm. P. Catucci. No. 1,251,340; Dec. 25; v. 245; p. 971.
- Talking-machine tone-arm support. L. K. Scotford. No. 1,216,614; Feb. 20; v. 235; p. 841.
- Talking-machine tone-modulating device. E. R. Johnson. No. 1,231,370; June 26; v. 239; p. 1127.
- Talking-machine tone-purifier. C. P. Marshall. No. 1,214,050; Jan. 30; v. 234; p. 1399.
- Talking-machine, Winding-signal for a. T. Keepfer. No. 1,240,730; Sept. 18; v. 242; p. 699.

- Talking-machines, Automatic stop for. L. Armltage. No. 1,239,335; Sept. 4; v. 242; p. 196.
- Talking-machines, Automatic stop for. A. Junod. No. 1,228,564; June 5; v. 239; p. 65.
- Talking-machines, Automatic stopping device for. J. Hines. No. 1,243,174; Oct. 16; v. 243; p. 615.
- Talking-machines, Means for securing a sound-box to the tone-arm of. H. W. Archer. No. 1,212,309; Jan. 16; v. 234; p. 731.
- Talking-machines, Motor-controlling mechanism for. A. A. Huseby. No. 1,224,301; May 1; v. 238; p. 66.
- Talking-machines, Motor-controlling mechanism for. A. A. Huseby. No. 1,240,455; Sept. 18; v. 242; p. 616.
- Talking-machines, Pneumatic hand control for. C. E. Woods. No. 1,221,495; Apr. 3; v. 237; p. 173.
- Talking-machines, Record-removing device for. S. Canda. No. 1,250,796; Dec. 18; v. 245; p. 761.
- Talking-machines, Repeater for. W. L. Lightfoot. No. 1,226,979; May 22; v. 238; p. 1112.
- Talking-machines, Repeating device for. G. F. Voith. No. 1,248,041; Nov. 27; v. 244; p. 950.
- Talking-machines, Reprodncer for. A. A. Huseby. No. 1,236,942; Aug. 14; v. 241; p. 489.
- Talking-machines, Reprodncer or sound-box for. A. H. Ryder. No. 1,239,044; Sept. 4; v. 242; p. 103.
- Talking-machines, Speed-regulating device for. J. F. II. Fechenburg. No. 1,216,222; Feb. 13; v. 235; p. 650.
- Talking-machines, Stop for. W. S. Ward. No. 1,215,446; Feb. 13; v. 235; p. 370.
- Talking-machines, Stylus-holder for. O. C. De Selms. No. 1,222,607; Apr. 17; v. 237; p. 636.
- Talking-machines, Universal repodncer for. A. A. Huseby. No. 1,241,736; Oct. 2; v. 243; p. 87.
- Tally-machine. J. W. Butler. No. 1,247,635; Nov. 27; v. 244; p. 833.
- Tallying device. R. F. Kennedy. No. 1,211,170; Jan. 2; v. 234; p. 272.
- Tallying device. H. H. Patterson. No. 1,219,858; Mar. 20; v. 236; p. 752.
- Tambour-frame. G. Sieber. No. 1,211,970; Jan. 9; v. 234; p. 585.
- Tamper-switch. L. A. Grimes. No. 1,232,289; July 3; v. 240; p. 252.
- Tamping device. G. A. Anderson. No. 1,218,615; Mar. 13; v. 236; p. 289.
- Tamping device. V. Sramcik. No. 1,239,631; Sept. 11; v. 242; p. 318.
- Tamping-machine. C. Hambuechen. No. 1,232,297; July 3; v. 240; p. 255.
- Tamping-machine. L. Wehner. No. 1,238,227; Aug. 28; v. 241; p. 970.
- Tampon-applicator. C. Gamache, Jr., and W. S. McNear. No. 1,224,735; May 1; v. 238; p. 221.
- Tampon or pessary. H. W. Walter. No. 1,222,825; Apr. 17; v. 237; p. 712.
- Tank. *See*—
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| Air-tank. | Grain-tank. |
| Ash-tank. | Liquid-metering tank. |
| Auxiliary tank. | Oil-storage tank. |
| Carbonated-liquor tank. | Receiving-tank. |
| Filter-tank. | Septic tank. |
| Flush-tank. | Sheet-metal tank. |
| Flushing-tank. | Storage-tank. |
| Fuel-tank. | Water-tank. |
| Fuel-reserve tank. | Water-supply tank. |
| Garbage-treating tank. | Watering-tank. |
| Gasolene-tank. | Weir-tank. |
| Glass-tank. | |
- Tank. I. Blount. No. 1,230,988; June 26; v. 239; p. 999.
- Tank. J. W. Frank. No. 1,235,128; July 31; v. 240; p. 1304.
- Tank. C. E. Gartrell. No. 1,213,183; Jan. 23; v. 234; p. 1069.
- Tank. D. J. Nysewander. No. 1,222,123; Apr. 10; v. 237; p. 422.
- Tank. C. W. Parker. No. 1,246,991; Nov. 20; v. 244; p. 617.
- Tank. C. L. Saunders, Sr. No. 1,247,336; Nov. 20; v. 244; p. 716.
- Tank and cabinet, Combined. A. Davis, Jr. No. 1,248,088; Nov. 27; v. 244; p. 963.
- Tank-ball. G. C. Reeves. No. 1,239,520; Sept. 11; v. 242; p. 283.
- Tank closure or cover. L. Holt. No. 1,241,735; Oct. 2; v. 243; p. 86.
- Tank closure. Powder. J. N. Powers and A. Y. Leech, Jr. No. 1,243,974; Oct. 23; v. 243; p. 893.
- Tank cut-off, Water. E. L. Law. No. 1,249,427; Dec. 11; v. 245; p. 318.
- Tank filler and gage, Gasolene. L. Boyce. No. 1,217,693; Feb. 27; v. 235; p. 1258.
- Tank-furnace. G. Yeager. No. 1,248,050; Nov. 27; v. 244; p. 952.
- Tank-gage. W. I. Oescher. No. 1,211,482; Jan. 9; v. 234; p. 411.
- Tank-gage. O. Wentz. No. 1,238,231; Aug. 28; v. 241; p. 971.
- Tank gage and filler, Combined. L. C. Vecellius. No. 1,232,737; July 10; v. 240; p. 431.
- Tank-gage, Dash-vision. W. R. Pierce. No. 1,236,347; Aug. 7; v. 241; p. 260.
- Tank gage, Fuel. J. F. Rogers. No. 1,225,178; May 8; v. 238; p. 421.
- Tank-heater. H. A. Barrett. No. 1,237,994; Aug. 21; v. 241; p. 861.
- Tank-heater. R. Lord. No. 1,216,583; Feb. 20; v. 235; p. 830.
- Tank-heater. R. Lord. No. 1,239,925; Sept. 11; v. 242; p. 414.
- Tank-heater. N. D. Riemenschneider. No. 1,241,555; Oct. 2; v. 243; p. 28.
- Tank-heater. M. C. Weaver. No. 1,229,557; June 12; v. 239; p. 449.
- Tank heater, Stock. W. Haak. No. 1,240,339; Sept. 18; v. 242; p. 579.
- Tank heater, Water. E. A. Fillman. No. 1,239,263; Sept. 4; v. 242; p. 175.
- Tank-lock, Safety. J. W. Currier. No. 1,238,272; Aug. 28; v. 241; p. 985.
- Tank-lock, Safety. J. Lees. No. 1,215,668; Feb. 13; v. 235; p. 453.
- Tank-supply and flushing apparatus. W. T. Hanly and T. W. Reese. No. 1,234,898; July 31; v. 240; p. 1233.
- Tank-support. H. C. and J. I. Wallace. No. 1,233,624; July 17; v. 240; p. 758.
- Tank valve, Flush. F. L. Shoppe. No. 1,237,109; Aug. 14; v. 241; p. 543.
- Tanks and other structures, Lightning-protective attachment for oil. F. B. Jackson. No. 1,251,037; Dec. 25; v. 245; p. 883.
- Tanks, Automatic shut-off for oil. W. D. McCrabb. No. 1,235,825; Aug. 7; v. 241; p. 97.
- Tanks, &c., Closure device for. C. S. Park. No. 1,220,267; Mar. 27; v. 236; p. 933.
- Tanks, Closure for gasolene or other liquid. P. F. Augenbraun. No. 1,212,878; Jan. 16; v. 234; p. 930.
- Tanks from bursting by freezing, Means to prevent. H. L. Williams. No. 1,238,610; Aug. 28; v. 241; p. 1094.
- Tanning. E. Stiasny. No. 1,232,620; July 10; v. 240; p. 392.
- Tanning agents, Producing soluble. O. Schmidt. No. 1,216,612; Feb. 20; v. 235; p. 841.
- Tanning and impregnating materials by means of electricity. B. Schwerin. No. 1,229,150; June 5; v. 239; p. 260.
- Tanning apparatus. A. Vandenweghe and A. D'huyvetters. No. 1,233,730; July 17; v. 240; p. 790.
- Tanning apparatus, Drum. E. Wilson. No. 1,236,806; Aug. 14; v. 241; p. 446.
- Tanning fish-skins or the like. K. Bendixen. No. 1,235,543; Aug. 7; v. 241; p. 4.
- Tanning fur skins. R. Nasse. No. 1,210,968; Jan. 2; v. 234; p. 204.
- Tanning material. W. Moeller. No. 1,236,468; Aug. 14; v. 241; p. 333.
- Tanning material, Production of. E. Stiasny. No. 1,237,405; Aug. 21; v. 241; p. 675.
- Tanning of fish-skins or the like. K. Bendixen. No. 1,230,266; June 19; v. 239; p. 720.
- Tanning substances soluble with difficulty contained in crude quebracho liquors, Treating. H. Franke. No. 1,241,950; Oct. 2; v. 243; p. 153.
- Tap. R. S. Bascom. No. 1,232,480; July 10; v. 240; p. 348.
- Tap. C. P. Marye. No. 1,210,508; Jan. 2; v. 234; p. 45.
- Tap, Collapsible. B. F. Rindfleisch. No. 1,214,954; Feb. 6; v. 235; p. 165.
- Tape-coupling. L. C. Hay. No. 1,247,269; Nov. 20; v. 244; p. 697.
- Tap, Current. G. B. Thomas. No. 1,249,856; Dec. 11; v. 245; p. 445.
- Tap, Current. W. R. Young. No. 1,226,433; May 15; v. 238; p. 891.
- Tap or reamer, Collapsible. P. B. Oatman. No. 1,224,494; May 1; v. 238; p. 136.
- Taps, Device for holding, centering, and steadying. J. C. Pall. No. 1,221,897; Apr. 10; v. 237; p. 345.
- Tape-affixing machine. H. F. Gruman. No. 1,238,511; Aug. 28; v. 241; p. 1063.
- Tape-carrier. J. T. Quigley. No. 1,249,191; Dec. 4; v. 245; p. 220.
- Tape-measure attachment. C. A. Snider. No. 1,238,841; Sept. 4; v. 242; p. 39.
- Taping-machine. J. Huether. No. 1,235,319; July 31; v. 240; p. 1361.
- Taper bit, Adjustable. C. R. Hannah. No. 1,212,348; Jan. 16; v. 234; p. 744.
- Taper-finishing machine. W. W. Doolittle. No. 1,223,571; Apr. 24; v. 237; p. 1000.
- Taper-finishing metallic bodies. W. W. Doolittle. No. 1,213,165; Jan. 23; v. 234; p. 1063.
- Taper-forming machine. R. F. Dow. No. 1,233,994; July 17; v. 240; p. 875.
- Tapes containing parallel electric wires, Machine for the manufacture of. A. De Capitani. No. 1,243,142; Oct. 16; v. 243; p. 606.
- Tappet. G. R. Rich. No. 1,215,062; Feb. 6; v. 235; p. 204.
- Tapping and drilling machine, Convertible. A. W. Mesick. No. 1,247,129; Nov. 20; v. 244; p. 657.
- Tapping device. E. Christensen. No. 1,245,088; Oct. 30; v. 243; p. 1267.
- Tapping device and similar tool, Multiple. F. A. Errington. No. 1,226,486; May 15; v. 238; p. 907.

- Tapping-machine. A. W. Cash. No. 1,216,284; Feb. 20; v. 235; p. 724.
- Tapping-machine. J. A. Eden, Jr. No. 1,236,414; Aug. 14; v. 241; p. 315.
- Tapping-machine. A. A. Shafer. No. 1,244,084; Oct. 23; v. 243; p. 926.
- Tapping or thread-cutting device. A. C. Pletz. No. 1,213,253; Jan. 23; v. 234; p. 1094.
- Tar and ammonia liquor from producer or other gas. Treatment and recovery of. Q. Moore. No. 1,215,300; Feb. 6; v. 235; p. 284.
- Tar-burner. C. A. Wendell. No. 1,223,011; Apr. 17; v. 237; p. 775.
- Target. A. Maurer. No. 1,210,512; Jan. 2; v. 234; p. 46.
- Target. G. Ravenshear. No. 1,223,290; Apr. 17; v. 237; p. 867.
- Target. G. Ravenshear. No. 1,223,291; Apr. 17; v. 237; p. 868.
- Target. F. C. Reed, and E. A. and E. D. Parker. No. 1,223,519; Apr. 24; v. 237; p. 983.
- Target. H. and W. G. Sweeney. No. 1,220,022; Mar. 20; v. 236; p. 808.
- Target, Flying. C. A. Sigafos. No. 1,227,966; May 29; v. 238; p. 1474.
- Target-holder for practice-rods. R. E. Reardon. No. 1,228,245; May 29; v. 238; p. 1564.
- Target-practice apparatus. R. D. Clemson. No. 1,244,451; Oct. 23; v. 243; p. 1036.
- Target-practice rod. R. E. Reardon. No. 1,227,313; May 22; v. 238; p. 1224.
- Target, Self-indicating. A. Vangen. No. 1,222,822; Apr. 17; v. 237; p. 711.
- Target, Surveyor's. P. A. Kolesch. No. 1,227,631; May 29; v. 238; p. 1358.
- Target-throwing device. J. W. and C. H. Napier. No. 1,222,446; Apr. 10; v. 237; p. 538.
- Target-wagon. H. J. Cole. No. 1,235,439; July 31; v. 240; p. 1396.
- Tatting device. C. L. Brown. No. 1,241,917; Oct. 2; v. 243; p. 144.
- Tatting implement. C. L. Opperman. No. 1,245,161; Nov. 6; v. 244; p. 6.
- Tatting-shuttle. J. C. Bigelow. No. 1,228,286; May 29; v. 238; p. 1577.
- Tatting-shuttle. J. H. Boye. No. 1,222,176; Apr. 10; v. 237; p. 443.
- Tatting-shuttle. H. P. Green. No. 1,241,369; Sept. 25; v. 242; p. 934.
- Tatting-shuttle. A. L. Hansen. No. 1,215,525; Feb. 13; v. 235; p. 398.
- Tatting-shuttle. O. A. Kratz. No. 1,213,214; Jan. 23; v. 234; p. 1080.
- Tatting-shuttle. H. A. Roemisch. No. 1,224,958; May 8; v. 238; p. 347.
- Tatting-shuttle winder. W. A. Barnett. No. 1,248,243; Nov. 27; v. 244; p. 1007.
- Tatting-shuttle winder. M. A. Gerald. No. 1,246,586; Nov. 13; v. 244; p. 463.
- Tatting-shuttle winder. B. Wellhausen. No. 1,250,399; Dec. 18; v. 245; p. 642.
- Taximeter. J. F. Ohmer and E. H. Bridenbaugh. No. 1,223,067; Apr. 17; v. 237; p. 794.
- Taximeter. C. D. Richard. No. 1,234,216; July 24; v. 240; p. 982.
- Taximeter. C. D. Richard. No. 1,234,217; July 24; v. 240; p. 982.
- Tea-ball. F. W. Tully. No. 1,247,906; Nov. 27; v. 244; p. 914.
- Tea-ball tree. W. F. Kilkenny. No. 1,216,700; Feb. 20; v. 235; p. 869.
- Tea-kettle cover. P. Fransmann. No. 1,248,472; Dec. 4; v. 245; p. 13.
- Teaching arithmetic. Apparatus for. H. G. Cuthbert. No. 1,218,931; Mar. 13; v. 236; p. 403.
- Teaching arithmetic. Educational device for. M. Robbins and H. Dressel. No. 1,211,625; Jan. 9; v. 234; p. 460.
- Teaching reading. Educational device for. V. M. Hillyer. No. 1,224,742; May 1; v. 238; p. 223.
- Teapot, Automatic. C. A. Morales. No. 1,211,614; Jan. 9; v. 234; p. 457.
- Teat-cup. C. O. Anderson. No. 1,236,036; Aug. 7; v. 241; p. 166.
- Teat-cup. A. L. Berthelsen. No. 1,220,172; Mar. 27; v. 236; p. 900.
- Teat-cup. H. A. Kricke. No. 1,231,748; July 3; v. 240; p. 72.
- Teeth and other articles. Manufacturing artificial. W. W. Crate. No. 1,218,779; Mar. 13; v. 236; p. 348.
- Teeth, Artificial. E. Fogg. No. 1,227,602; May 29; v. 238; p. 1347.
- Teeth-cleaning device. J. A. Daly. No. 1,230,683; June 19; v. 239; p. 858.
- Teeth, Filling material for. M. Marouke. No. 1,215,678; Feb. 13; v. 235; p. 457.
- Teeth, Forming plates for artificial. E. A. Hussar. No. 1,211,944; Jan. 9; v. 234; p. 575.
- Teeth, Mold for making artificial. E. Mountford. No. 1,224,490; May 1; v. 238; p. 135.
- Telautograph. Electromechanical. J. B. Rawlings. No. 1,215,852; Feb. 13; p. 235; p. 517.
- Telegraph and indicator system. Electrical. F. W. Wood. No. 1,216,533; Feb. 20; v. 235; p. 811.
- Telegraph and telephone duplex. Alternating-current. J. P. Ferriter. No. 1,251,203; Dec. 25; v. 245; p. 932.
- Telegraph and telephone system. J. Schiessler. No. 1,229,796; June 12; v. 239; p. 528.
- Telegraph apparatus. H. M. Boal. No. 1,220,066; Mar. 20; v. 236; p. 825.
- Telegraph apparatus. E. Pope. No. 1,248,159; Nov. 27; v. 244; p. 985.
- Telegraph-call. C. Spiro. No. 1,215,734; Feb. 13; v. 235; p. 475.
- Telegraph circuit-closing and signaling system. F. A. Anderson. No. 1,251,320; Dec. 25; v. 245; p. 966.
- Telegraph-key. M. N. Gwinn. No. 1,233,774; July 17; v. 240; p. 803.
- Telegraph-key. J. G. Peterson and O. H. Huebel. No. 1,242,470; Oct. 9; v. 243; p. 358.
- Telegraph-key and spring-jack switch. Combined. C. B. Scollard. No. 1,242,051; Oct. 2; v. 243; p. 185.
- Telegraph-pole. Sectional cement. G. T. Southgate. No. 1,244,652; Oct. 30; v. 243; p. 1135.
- Telegraph-poles. Crosstee for. J. S. Simpson. No. 1,215,883; Feb. 13; v. 235; p. 529.
- Telegraph, Printing-. C. J. Wiley. No. 1,235,748; Aug. 7; v. 241; p. 70.
- Telegraph, Printing-. J. E. Wright. No. 1,223,463; Apr. 24; v. 237; p. 961.
- Telegraph receivers. Type-wheel sleeve for printing-. G. S. Hiltz. No. 1,220,844; Mar. 27; v. 236; p. 1135.
- Telegraph receiving systems. Automatic switch for. C. B. Cook. No. 1,246,551; Nov. 13; v. 244; p. 452.
- Telegraph-repeater. J. M. Fell. No. 1,238,009; Aug. 21; v. 241; p. 866.
- Telegraph sending and recording device. L. C. Shearer. No. 1,230,807; June 19; v. 239; p. 898.
- Telegraph signaling system. Wireless-. L. De Forest. No. 1,221,033; Apr. 3; v. 237; p. 11.
- Telegraph-sounder. R. M. Allen. No. 1,218,035; Mar. 6; v. 236; p. 51.
- Telegraph-sounder. R. Koenig. No. 1,226,775; May 22; v. 238; p. 1042.
- Telegraph-stations. Antenna for radio-. G. Reuthe. No. 1,214,591; Feb. 6; v. 235; p. 38.
- Telegraph stations. Transmitting apparatus for wireless-. T. B. Miller. No. 1,217,483; Feb. 27; v. 235; p. 1182.
- Telegraph stations. Transmitting apparatus for wireless-. F. G. Simpson. No. 1,217,516; Feb. 27; v. 235; p. 1196.
- Telegraph stations. Transmitting apparatus for wireless-. F. G. Simpson. No. 1,222,567; Apr. 10; v. 237; p. 581.
- Telegraph system. J. H. Bell. No. 1,212,733; Jan. 16; v. 234; p. 882.
- Telegraph system. H. P. Clausen. No. 1,232,224; July 3; v. 240; p. 231.
- Telegraph system. A. F. Dixon. No. 1,231,140; June 26; v. 239; p. 1051.
- Telegraph system. J. M. Fell. No. 1,238,008; Aug. 21; v. 241; p. 865.
- Telegraph system. R. Hitchcock. No. 1,224,640; May 1; v. 238; p. 186.
- Telegraph system. P. M. Rainey. No. 1,245,507; Nov. 6; v. 244; p. 110.
- Telegraph system. J. E. Wright. No. 1,219,522; Mar. 20; v. 236; p. 635.
- Telegraph system and apparatus. Selective. C. L. and H. L. Crum. No. 1,232,045; July 3; v. 240; p. 172.
- Telegraph system. Electric-. C. Adams-Randall. No. 1,221,814; Apr. 10; v. 237; p. 315.
- Telegraph system. Quadruplex-. C. G. Ashley. No. 1,234,524; July 24; v. 240; p. 1083.
- Telegraph-transmitter. E. H. Plersen. No. 1,224,956; May 8; v. 238; p. 347.
- Telegraph transmitter and sending-key. Device for coupling. C. M. Holmes. No. 1,232,548; July 10; v. 240; p. 369.
- Telegraph transmitter of the portable type. Wireless-. M. A. Mulrony. No. 1,216,720; Feb. 20; v. 235; p. 876.
- Telegraph transmitter. Wireless-. J. G. Balsille. No. 1,227,521; May 22; v. 238; p. 1292.
- Telegraphic lines. Duplexing. I. Kitsee. No. 1,218,870; Mar. 13; v. 236; p. 883.
- Telegraphic or radiotelegraphic transmitter. Automatic. E. Belin. No. 1,214,959; Feb. 6; v. 235; p. 180.
- Telegraphic receiver. L. M. Potts. No. 1,229,202; June 5; v. 239; p. 278.
- Telegraphic receiving organism. I. Kitsee. No. 1,222,771; Apr. 17; v. 237; p. 693.
- Telegraphic receiving system. J. M. Fell. No. 1,245,894; Nov. 6; v. 244; p. 228.
- Telegraphic transmitter. H. J. Mahony. No. 1,224,187; May 1; v. 238; p. 26.
- Telegraphic transmission. I. Kitsee. No. 1,236,576; Aug. 14; v. 241; p. 369.
- Telegraphing under water. Device for. F. P. Fisher and U. Dehart. No. 1,233,211; July 10; v. 240; p. 586.
- Telegraphphone. C. K. Fankhauser and A. M. McCrillis. No. 1,237,496; Aug. 21; v. 241; p. 702.
- Telegraphy. W. M. Bruce, Jr. No. 1,240,306; Sept. 18; v. 242; p. 569.
- Telegraphy. W. M. Bruce, Jr. No. 1,250,961; Dec. 25; v. 245; p. 860.
- Telegraphy. P. B. Delany. No. 1,244,477; Oct. 30; v. 243; p. 1032.
- Telegraphy. P. B. Delany. No. 1,247,940; Nov. 27; v. 244; p. 923.

Alphabetical list of inventions—Continued.

- Telegraphy. E. S. Heurtley. No. 1,249,083; Dec. 4; v. 245; p. 189.
- Telegraphy. C. Kinsley. No. 1,249,773; Dec. 11; v. 245; p. 420.
- Telegraphy. I. Kitsee. No. 1,221,547; Apr. 3; v. 237; p. 192.
- Telegraphy. I. Kitsee. No. 1,221,870; Apr. 10; v. 237; p. 334.
- Telegraphy. I. Kitsee. No. 1,236,575; Aug. 14; v. 241; p. 368.
- Telegraphy. I. Kitsee. No. 1,247,120; Nov. 20; v. 244; p. 654.
- Telegraphy. G. O. Squier. No. 1,233,519; July 17; v. 240; p. 722.
- Telegraphy and telephony, Apparatus for directed wireless. E. Bellini. No. 1,221,787; Apr. 3; v. 237; p. 272.
- Telegraphy and telephony receiver, Radio. G. W. Pickard. No. 1,249,482; Dec. 11; v. 245; p. 335.
- Telegraphy and telephony, Transmitting apparatus for use in wireless. G. Marconi. No. 1,226,099; May 15; v. 238; p. 777.
- Telegraphy and the like, Apparatus for wireless. P. E. Edelman. No. 1,214,022; Jan. 30; v. 234; p. 1390.
- Telegraphy, Duplex. I. Kitsee. No. 1,221,188; Apr. 3; v. 237; p. 66.
- Telegraphy, Electric switch suitable for use in. F. G. Creed. No. 1,218,062; Mar. 6; v. 236; p. 61.
- Telegraphy, Multiplex. F. K. Vreeland. No. 1,224,342; May 1; v. 238; p. 82.
- Telegraphy, Quadruplex. I. Kitsee. No. 1,218,274; Mar. 6; v. 236; p. 136.
- Telegraphy, Quadruplex. I. Kitsee. No. 1,218,413; Mar. 6; v. 236; p. 182.
- Telegraphy, Quadruplex. I. Kitsee. No. 1,219,561; Mar. 20; v. 236; p. 650.
- Telegraphy, Quadruplex. I. Kitsee. No. 1,219,955; Mar. 20; v. 236; p. 786.
- Telegraphy, Quadruplex. I. Kitsee. No. 1,220,238; Mar. 27; v. 236; p. 922.
- Telegraphy, Quadruplex. I. Kitsee. No. 1,220,756; Mar. 27; v. 236; p. 1103.
- Telegraphy, Quadruplex. I. Kitsee. No. 1,222,303; Apr. 10; v. 237; p. 456.
- Telegraphy, Wireless. L. De Forest. No. 1,214,283; Jan. 30; v. 234; p. 1479.
- Telegraphy, Wireless. F. G. Simpson. No. 1,239,831; Sept. 11; v. 242; p. 384.
- Telegraphy, Wireless. J. O. Watkins. No. 1,224,343; May 1; v. 238; p. 83.
- Telemeter. B. J. Campbell. No. 1,246,230; Nov. 13; v. 244; p. 355.
- Telemeter. F. N. Johnson. No. 1,215,162; Feb. 6; v. 235; p. 236.
- Telemotor systems, Equalizing mechanism for. J. D. Williamson, Jr. No. 1,213,721; Jan. 23; v. 234; p. 1255.
- Telephone. F. Lacroix. No. 1,245,929; Nov. 6; v. 244; p. 237.
- Telephone. F. C. V. Nesser and N. A. J. Lilliendahl-Petersen. No. 1,243,755; Oct. 23; v. 243; p. 826.
- Telephone. K. Nichols. No. 1,216,480; Feb. 20; v. 235; p. 793.
- Telephone and signaling system, Combined. C. S. Winston. No. 1,226,157; May 15; v. 238; p. 797.
- Telephone apparatus. E. A. Cox. No. 1,215,002; Feb. 6; v. 235; p. 185.
- Telephone apparatus. L. L. Lundgren. No. 1,249,962; Dec. 11; v. 245; p. 475.
- Telephone apparatus. H. T. Martin. No. 1,250,921; Dec. 18; v. 245; p. 799.
- Telephone apparatus. M. K. McGrath. No. 1,211,607; Jan. 9; v. 234; p. 455.
- Telephone apparatus. S. C. Porter. No. 1,246,317; Nov. 13; v. 244; p. 381.
- Telephone apparatus, Sanitary shield for. F. Goertz. No. 1,244,977; Oct. 30; v. 243; p. 1234.
- Telephone apparatus, System for packing and shipping. A. M. Haubrich. No. 1,218,998; Mar. 13; v. 236; p. 426.
- Telephone apparatus, Wireless. B. V. Deitz. No. 1,214,655; Feb. 6; v. 235; p. 61.
- Telephone arm-rest. M. Clemence. No. 1,223,562; Apr. 24; v. 237; p. 998.
- Telephone attachment. J. J. Convery. No. 1,216,776; Feb. 20; v. 235; p. 896.
- Telephone attachment. C. W. Ferguson. No. 1,222,376; Apr. 10; v. 237; p. 513.
- Telephone attachment. F. Hein. No. 1,217,445; Feb. 27; v. 235; p. 1169.
- Telephone attachment. J. B. Jarmin. No. 1,245,923; Nov. 6; v. 244; p. 236.
- Telephone attachment. H. V. Jobe. No. 1,236,567; Aug. 14; v. 241; p. 366.
- Telephone attachment. J. L. McMillan. No. 1,212,785; Jan. 16; v. 234; p. 899.
- Telephone attachment. J. O. Moisson. No. 1,212,091; Jan. 9; v. 234; p. 621.
- Telephone attachment. J. Rock and G. Sinković. No. 1,236,876; Aug. 14; v. 241; p. 466.
- Telephone attachment, Combination. M. C. Pierce. No. 1,251,098; Dec. 25; v. 245; p. 900.
- Telephone-booth and manufacturing the same. A. Beran. No. 1,230,553; June 19; v. 239; p. 815.
- Telephone-booth door. R. A. Rutherford. No. 1,221,910; Apr. 10; v. 237; p. 350.
- Telephone-bracket. W. I. Miller. No. 1,237,672; Aug. 21; v. 241; p. 760.
- Telephone-bracket. H. B. Roberts. No. 1,224,324; May 1; v. 238; p. 76.
- Telephone-call-charge system and apparatus. C. L. Goodrum. No. 1,251,219; Dec. 25; v. 245; p. 935.
- Telephone-call register. E. T. Hull. No. 1,214,466; Jan. 30; v. 234; p. 1540.
- Telephone-call-registering device. V. Thompson. No. 1,229,347; June 12; v. 239; p. 377.
- Telephone-call-registering device. V. Thompson. No. 1,229,348; June 12; v. 239; p. 377.
- Telephone-call-registering device. V. Thompson. No. 1,233,620; July 17; v. 240; p. 757.
- Telephone-call-registering system. A. E. Lundell and H. G. Eddy. No. 1,226,981; May 22; v. 238; p. 1113.
- Telephone-calls, Apparatus for checking a number of. E. Kolassváry. No. 1,221,191; Apr. 3; v. 237; p. 67.
- Telephone-carrier. J. A. McKnight. No. 1,216,153; Feb. 13; v. 235; p. 627.
- Telephone-case, Moisture and gas proof. C. E. Hague. No. 1,247,825; Nov. 27; v. 244; p. 891.
- Telephone-circuit arrangement. C. D. Lanning and S. C. Drew. No. 1,215,038; Feb. 6; v. 235; p. 196.
- Telephone-circuit, Operator's. O. E. Benson. No. 1,232,884; July 10; v. 240; p. 480.
- Telephone-circuits. Signaling system for multiplex. B. Gherardi. No. 1,251,364; Dec. 25; v. 245; p. 979.
- Telephone-circuit, Subscriber's. A. B. Smith. No. 1,221,235; Apr. 3; v. 237; p. 83.
- Telephone-circuits, Insulation of condensers for. C. Cordes. No. 1,241,926; Oct. 2; v. 243; p. 147.
- Telephone-conductor. C. W. Hallberg. No. 1,247,672; Nov. 27; v. 244; p. 845.
- Telephone-cord. H. H. Glenn. No. 1,247,392; Nov. 20; v. 244; p. 732.
- Telephone desk set. C. L. Chisholm. No. 1,221,678; Apr. 3; v. 237; p. 234.
- Telephone desk set. E. B. Craft. No. 1,210,424; Jan. 2; v. 234; p. 16.
- Telephone-directory. T. C. McNeill. No. 1,222,009; Apr. 10; v. 237; p. 384.
- Telephone-directory holder. B. Jahn and J. C. Hammer. No. 1,224,467; May 1; v. 238; p. 127.
- Telephone electric recorder, Pay. A. Sipperley. No. 1,222,151; Apr. 10; v. 237; p. 433.
- Telephone equipment. C. A. Finley. No. 1,242,672; Oct. 9; v. 243; p. 424.
- Telephone-exchange apparatus. F. W. Adsit. No. 1,217,080; Feb. 20; v. 235; p. 996.
- Telephone-exchange automatic trunking system. T. G. Martin. No. 1,238,039; Aug. 21; v. 241; p. 875.
- Telephone-exchange plug. A. Marr. No. 1,237,358; Aug. 21; v. 241; p. 659.
- Telephone-exchange supervisory system. T. G. Martin. No. 1,217,477; Feb. 27; v. 235; p. 1180.
- Telephone-exchange system. W. P. Albert. No. 1,212,728; Jan. 16; v. 234; p. 880.
- Telephone-exchange system. G. Babcock. No. 1,230,835; June 26; v. 239; p. 947.
- Telephone-exchange system. J. D. Bonnar. No. 1,233,837; July 17; v. 240; p. 824.
- Telephone-exchange system. W. W. Carpenter. No. 1,247,371; Nov. 20; v. 244; p. 725.
- Telephone-exchange system. H. P. Clausen. No. 1,210,602; Jan. 2; v. 234; p. 76.
- Telephone-exchange system. H. P. Clausen. No. 1,227,582; May 29; v. 238; p. 1341.
- Telephone-exchange system. H. P. Clausen. No. 1,230,117; June 19; v. 239; p. 670.
- Telephone-exchange system. H. P. Clausen. No. 1,230,564; June 19; v. 239; p. 819.
- Telephone-exchange system. H. P. Clausen. No. 1,230,565; June 19; v. 239; p. 820.
- Telephone-exchange system. H. P. Clausen. No. 1,230,566; June 19; v. 239; p. 820.
- Telephone-exchange system. H. P. Clausen. No. 1,232,497; July 10; v. 240; p. 353.
- Telephone-exchange system. H. P. Clausen. No. 1,238,265; Aug. 28; v. 241; p. 983.
- Telephone-exchange system. H. P. Clausen. No. 1,241,923; Oct. 2; v. 243; p. 146.
- Telephone-exchange system. H. P. Clausen. No. 1,242,655; Oct. 9; v. 243; p. 418.
- Telephone-exchange system. H. P. Clausen. No. 1,245,438; Nov. 6; v. 244; p. 88.
- Telephone-exchange system. H. P. Clausen. No. 1,246,545; Nov. 13; v. 244; p. 450.
- Telephone-exchange system. H. P. Clausen. No. 1,246,547; Nov. 13; v. 244; p. 451.
- Telephone-exchange system. H. P. Clausen. No. 1,246,881; Nov. 20; v. 244; p. 585.
- Telephone-exchange system. E. E. Clement. No. 1,210,604; Jan. 2; v. 234; p. 77.
- Telephone-exchange system. E. E. Clement. No. 1,235,186; July 31; v. 240; p. 1321.
- Telephone-exchange system. H. L. Darrah. No. 1,232,507; July 10; v. 240; p. 357.
- Telephone-exchange system. F. W. Dunbar. No. 1,211,689; Jan. 9; v. 234; p. 482.

- Telephone-exchange system. B. G. Dunham. No. 1,227,895; May 29; v. 238; p. 1449.
- Telephone-exchange system. B. G. Dunham. No. 1,248,466; Dec. 4; v. 245; p. 11.
- Telephone-exchange system. C. L. Goodrum. No. 1,211,434; Jan. 9; v. 234; p. 396.
- Telephone-exchange system. C. L. Goodrum. No. 1,215,925; Feb. 13; v. 235; p. 544.
- Telephone-exchange system. C. L. Goodrum. No. 1,217,168; Feb. 27; v. 235; p. 1073.
- Telephone-exchange system. C. L. Goodrum. No. 1,221,166; Apr. 3; v. 237; p. 58.
- Telephone-exchange system. C. L. Goodrum. No. 1,221,168; Apr. 3; v. 237; p. 59.
- Telephone-exchange system. C. L. Goodrum. No. 1,224,161; May 1; v. 238; p. 15.
- Telephone-exchange system. C. L. Goodrum. No. 1,231,013; June 26; v. 239; p. 1007.
- Telephone-exchange system. C. L. Goodrum. No. 1,232,279; July 3; v. 240; p. 249.
- Telephone-exchange system. C. L. Goodrum. No. 1,227,609; May 29; v. 238; p. 1349.
- Telephone-exchange system. C. L. Goodrum. No. 1,244,488; Oct. 30; v. 243; p. 1085.
- Telephone-exchange system. C. L. Goodrum. No. 1,247,669; Nov. 27; v. 244; p. 844.
- Telephone-exchange system. C. L. Goodrum. No. 1,250,116; Dec. 11; v. 245; p. 518.
- Telephone-exchange system. E. E. Hinrichsen. No. 1,231,024; June 26; v. 239; p. 1011.
- Telephone-exchange system. E. E. Hinrichsen. No. 1,235,688; Aug. 7; v. 241; p. 51.
- Telephone-exchange system. E. E. Hinrichsen and L. H. Johnson. No. 1,238,141; Aug. 28; v. 241; p. 941.
- Telephone-exchange system. L. H. Johnson. No. 1,210,652; Jan. 2; v. 234; p. 96.
- Telephone-exchange system. L. H. Johnson. No. 1,210,653; Jan. 2; v. 234; p. 96.
- Telephone-exchange system. L. H. Johnson. No. 1,212,492; Jan. 16; v. 234; p. 794.
- Telephone-exchange system. L. H. Johnson. No. 1,212,493; Jan. 16; v. 234; p. 794.
- Telephone-exchange system. L. H. Johnson. No. 1,212,494; Jan. 16; v. 234; p. 795.
- Telephone-exchange system. L. H. Johnson. No. 1,212,495; Jan. 16; v. 234; p. 795.
- Telephone-exchange system. L. H. Johnson. No. 1,215,378; Feb. 13; v. 235; p. 346.
- Telephone-exchange system. L. H. Johnson. No. 1,221,182; Apr. 3; v. 237; p. 64.
- Telephone-exchange system. L. H. Johnson. No. 1,221,865; Apr. 10; v. 237; p. 332.
- Telephone-exchange system. L. H. Johnson. No. 1,221,866; Apr. 10; v. 237; p. 333.
- Telephone-exchange system. L. H. Johnson. No. 1,227,153; May 22; v. 238; p. 1172.
- Telephone-exchange system. L. H. Johnson. No. 1,230,582; June 19; v. 239; p. 825.
- Telephone-exchange system. A. E. Keith. No. 1,217,121; Feb. 20; v. 235; p. 1013.
- Telephone-exchange system. A. E. Lundell. No. 1,231,922; July 3; v. 240; p. 129.
- Telephone-exchange system. A. E. Lundell. No. 1,232,943; July 10; v. 240; p. 499.
- Telephone-exchange system. A. E. Lundell. No. 1,233,893; July 17; v. 240; p. 843.
- Telephone-exchange system. A. E. Lundell. No. 1,233,894; July 17; v. 240; p. 843.
- Telephone-exchange system. A. E. Lundell. No. 1,234,187; July 24; v. 240; p. 973.
- Telephone-exchange system. A. E. Lundell. No. 1,235,705; Aug. 7; v. 241; p. 55.
- Telephone-exchange system. A. E. Lundell. No. 1,237,531; Aug. 21; v. 241; p. 714.
- Telephone-exchange system. A. E. Lundell. No. 1,242,008; Oct. 2; v. 243; p. 172.
- Telephone-exchange system. A. E. Lundell. No. 1,242,010; Oct. 2; v. 243; p. 173.
- Telephone-exchange system. A. E. Lundell. No. 1,244,999; Oct. 30; v. 243; p. 1240.
- Telephone-exchange system. A. E. Lundell. No. 1,245,478; Nov. 6; v. 244; p. 100.
- Telephone-exchange system. A. E. Lundell. No. 1,245,748; Nov. 6; v. 244; p. 183.
- Telephone-exchange system. A. E. Lundell. No. 1,248,515; Dec. 4; v. 245; p. 25.
- Telephone-exchange system. A. E. Lundell. No. 1,249,146; Dec. 4; v. 245; p. 207.
- Telephone-exchange system. T. G. Martin. No. 1,236,858; Aug. 14; v. 241; p. 461.
- Telephone-exchange system. J. L. McQuarrie and F. H. Loveridge. No. 1,217,472; Feb. 27; v. 235; p. 1178.
- Telephone-exchange system. T. E. Meyer. No. 1,239,205; Sept. 4; v. 242; p. 155.
- Telephone-exchange system. A. Raynsford. No. 1,222,323; Apr. 10; v. 237; p. 494.
- Telephone-exchange system. F. N. Reeves and A. E. Lundell. No. 1,212,809; Jan. 16; v. 234; p. 907.
- Telephone-exchange system. F. N. Reeves. No. 1,235,599; Aug. 7; v. 241; p. 23.
- Telephone-exchange system. J. N. Reynolds. No. 1,219,587; Mar. 20; v. 236; p. 657.
- Telephone-exchange system. E. H. Smythe. No. 1,227,010; May 22; v. 238; p. 1123.
- Telephone-exchange system. A. B. Sperry. No. 1,221,773; Apr. 3; v. 237; p. 267.
- Telephone-exchange system. A. B. Sperry. No. 1,221,917; Apr. 10; v. 237; p. 352.
- Telephone-exchange system. A. B. Sperry. No. 1,231,085; June 26; v. 239; p. 1032.
- Telephone-exchange system. A. B. Sperry. No. 1,231,086; June 26; v. 239; p. 1033.
- Telephone-exchange system. H. D. Stroud. No. 1,229,165; June 5; v. 239; p. 265.
- Telephone-exchange system. H. G. Webster. No. 1,233,940; July 17; v. 240; p. 858.
- Telephone-exchange system. H. G. Webster. No. 1,247,353; Nov. 20; v. 244; p. 721.
- Telephone-exchange system. R. S. Wilbur. No. 1,222,342; Apr. 10; v. 237; p. 501.
- Telephone-exchange system. J. L. Wright. No. 1,221,262; Apr. 3; v. 237; p. 92.
- Telephone-exchange system. J. L. Wright. No. 1,233,830; July 17; v. 240; p. 822.
- Telephone-exchange system. J. L. Wright. No. 1,234,246; July 24; v. 240; p. 993.
- Telephone-exchange system. J. L. Wright. No. 1,244,571; Oct. 30; v. 243; p. 1111.
- Telephone-exchange system. J. L. Wright. No. 1,249,582; Dec. 11; v. 245; p. 363.
- Telephone-exchange system. J. L. Wright. No. 1,249,583; Dec. 11; v. 245; p. 363.
- Telephone-exchange system. F. V. Young. No. 1,248,979; Dec. 4; v. 245; p. 160.
- Telephone-exchange system and apparatus therefor. A. M. Bullard. No. 1,219,700; Mar. 20; v. 236; p. 697.
- Telephone-exchange system, Automatic. C. L. Goodrum. No. 1,238,129; Aug. 28; v. 241; p. 937.
- Telephone-exchange system, Automatic. C. L. Goodrum. No. 1,221,167; Apr. 3; v. 237; p. 58.
- Telephone-exchange system, Automatic. C. L. Goodrum. No. 1,248,479; Dec. 4; v. 245; p. 15.
- Telephone-exchange system, Automatic. C. A. W. Hultman. No. 1,239,011; Sept. 4; v. 242; p. 94.
- Telephone-exchange system, Automatic. C. A. W. Hultman. No. 1,250,885; Dec. 18; v. 245; p. 788.
- Telephone-exchange system, Automatic. J. W. Lattig and C. L. Goodrum. No. 1,232,338; July 3; v. 240; p. 267.
- Telephone-exchange system, Automatic. A. E. Lundell. No. 1,230,421; June 19; v. 239; p. 769.
- Telephone-exchange system, Automatic. A. E. Lundell. No. 1,246,125; Nov. 13; v. 244; p. 323.
- Telephone-exchange system, Automatic. F. N. Reeves and A. E. Lundell. No. 1,227,932; May 29; v. 238; p. 1461.
- Telephone-exchange system, Automatic. A. B. Sperry. No. 1,233,819; July 17; v. 240; p. 818.
- Telephone-exchange system, Automatic or semi-automatic. G. A. Betulander and N. G. Palmgren. No. 1,234,610; July 24; v. 240; p. 1110.
- Telephone-exchange system, Machine-switching. B. G. Dunham. No. 1,210,616; Jan. 2; v. 234; p. 82.
- Telephone-exchange system, Machine-switching. C. L. Goodrum. No. 1,221,169; Apr. 3; v. 237; p. 59.
- Telephone-exchange system, Machine-switching. C. L. Goodrum. No. 1,238,130; Aug. 28; v. 241; p. 938.
- Telephone-exchange system, Machine-switching. A. E. Lundell. No. 1,249,145; Dec. 4; v. 245; p. 207.
- Telephone-exchange system, Machine-switching. J. N. Reynolds. No. 1,238,193; Aug. 28; v. 241; p. 959.
- Telephone-exchange system, Machine-switching. A. B. Sperry. No. 1,246,176; Nov. 13; v. 244; p. 338.
- Telephone-exchange system, Machine-switching. S. B. Williams, Jr. No. 1,221,124; Apr. 3; v. 237; p. 42.
- Telephone-exchange system, Semi-automatic. A. H. Dyson. No. 1,232,250; July 3; v. 240; p. 239.
- Telephone-exchange system, Semi-automatic. M. L. Johnson. No. 1,248,868; Dec. 4; v. 245; p. 131.
- Telephone-exchange system-testing arrangement. H. P. Clausen. No. 1,246,548; Nov. 13; v. 244; p. 451.
- Telephone-exchanges for handling fire-alarm calls, Connector repeater-switch of automatic. J. Erickson. No. 1,228,007; May 29; v. 238; p. 1486.
- Telephone-exchanges using line-distributors, Fire-alarm system for. D. G. Dee. No. 1,233,037; July 10; v. 240; p. 528.
- Telephone for long distances or for deaf persons. R. Lagus. No. 1,239,702; Sept. 11; v. 242; p. 342.
- Telephone for transmitting and reproducing sounds. R. Rummler. No. 1,238,439; Aug. 28; v. 241; p. 1040.
- Telephone head-gear. T. Rhodus. No. 1,215,060; Feb. 6; v. 235; p. 204.
- Telephone-index. F. W. Colby. No. 1,234,874; July 31; v. 240; p. 1224.
- Telephone-index. F. W. Colby. No. 1,236,268; Aug. 7; v. 241; p. 237.
- Telephone instrument. G. Boissonnault. No. 1,234,613; July 24; v. 240; p. 1111.
- Telephone instrument. F. E. Bentley. No. 1,219,620; Mar. 20; v. 236; p. 669.
- Telephone instrument. H. G. Pape. No. 1,236,103; Aug. 7; v. 241; p. 185.
- Telephone-instrument mouthpiece. C. M. Hartnett. No. 1,224,922; May 8; v. 238; p. 336.
- Telephone-line disconnecter. M. S. Bricka. No. 1,219,531; Mar. 20; v. 236; p. 638.
- Telephone-line-finder system, Automatic. B. G. Dunham. No. 1,217,160; Feb. 27; v. 235; p. 1070.

Alphabetical list of inventions—Continued.

- Telephone-lines, Combined cut-out and lightning-arrester for. H. S. Wheaton. No. 1,236,024; Aug. 7; v. 241; p. 163.
- Telephone-lines, Loading duplex or multiplex. H. B. M. Pfeijel and A. H. Olsson. No. 1,215,702; Feb. 13; v. 235; p. 465.
- Telephone lockout system. F. W. Adsit. No. 1,217,081; Feb. 20; v. 235; p. 997.
- Telephone-meter or register for measuring telephone-calls. G. L. Bruschke. No. 1,232,891; July 10; v. 240; p. 482.
- Telephone-metering system. A. E. Lundell. No. 1,243,314; Oct. 16; v. 243; p. 658.
- Telephone-mouthpiece. W. Booth. No. 1,240,659; Sept. 18; v. 242; p. 678.
- Telephone-mouthpiece. G. Dorsey. No. 1,244,433; Oct. 23; v. 243; p. 1031.
- Telephone-mouthpiece. J. F. Havlena. No. 1,241,731; Oct. 2; v. 243; p. 85.
- Telephone-mouthpiece. S. M. Hino. No. 1,219,459; Mar. 20; v. 236; p. 613.
- Telephone-mouthpiece. L. Steinberger. No. 1,249,849; Dec. 11; v. 245; p. 442.
- Telephone-mouthpiece protector. M. G. Heberly. No. 1,214,459; Jan. 30; v. 234; p. 1537.
- Telephone-mouthpiece, Sanitary. E. M. Jenkins. No. 1,215,377; Feb. 13; v. 235; p. 345.
- Telephone-muffler. A. Pludowski. No. 1,218,892; Mar. 13; v. 236; p. 370.
- Telephone pay-station. C. E. Pratt. No. 1,216,357; Feb. 20; v. 235; p. 749.
- Telephone-plug ejector. H. B. Rodier. No. 1,227,936; May 29; v. 238; p. 1463.
- Telephone-receiver. A. Poloumordvinoff. No. 1,248,158; Nov. 27; v. 244; p. 984.
- Telephone-receiver. N. Tannaka. No. 1,214,610; Feb. 6; v. 235; p. 45.
- Telephone-receiver casing. L. Steinberger. No. 1,212,705; Jan. 16; v. 234; p. 873.
- Telephone-receiver support. B. Badanes. No. 1,226,166; May 15; v. 238; p. 800.
- Telephone-receiver support, Circuit-controlling. W. Pick. No. 1,222,986; Apr. 17; v. 237; p. 766.
- Telephone-receivers, Holder for. K. G. Townsend. No. 1,250,716; Dec. 18; v. 245; p. 737.
- Telephone-recorder. R. H. Greenlaw. No. 1,210,463; Jan. 2; v. 234; p. 29.
- Telephone register-sender, Automatic. F. N. Reeves and A. E. Lundell. No. 1,232,087; July 3; v. 240; p. 187.
- Telephone-relay. F. Lowenstein. No. 1,231,764; July 3; v. 240; p. 76.
- Telephone repeating instrument. C. D. Lanning. No. 1,250,192; Dec. 18; v. 245; p. 581.
- Telephone repeating system. E. Grissinger. No. 1,219,727; Mar. 20; v. 236; p. 706.
- Telephone ring-back or reverting-call system. G. E. Kimball. No. 1,216,461; Feb. 20; v. 235; p. 787.
- Telephone-service-observing system. E. C. Molina. No. 1,245,490; Nov. 6; v. 244; p. 103.
- Telephone service, System for observing. J. F. Toomey. No. 1,245,402; Nov. 6; v. 244; p. 78.
- Telephone set, Substation. A. E. Lundell. No. 1,232,581; July 10; v. 240; p. 379.
- Telephone sets, Device for concealing. L. A. Strasburger. No. 1,221,919; Apr. 10; v. 237; p. 353.
- Telephone signal and recorder. R. J. McGowan and K. W. Thalhammer. No. 1,224,185; May 1; v. 238; p. 25.
- Telephone signal device. U. M. Boyd. No. 1,211,534; Jan. 9; v. 234; p. 430.
- Telephone-signal, Extension. P. J. Wires. No. 1,222,343; Apr. 10; v. 237; p. 502.
- Telephone signaling system. H. P. Clausen. No. 1,221,140; Apr. 3; v. 237; p. 48.
- Telephone signaling system. E. E. Hinrichsen. No. 1,230,578; June 19; v. 239; p. 824.
- Telephone-signaling system. A. E. Lundell. No. 1,232,944; July 10; v. 240; p. 500.
- Telephone-stand. B. S. Cutler. No. 1,239,890; Sept. 11; v. 242; p. 403.
- Telephone-stands, Wall-bracket for. W. G. Farley. No. 1,231,869; July 3; v. 240; p. 112.
- Telephone-stations, System for connecting. L. D. Barrows and H. P. Charlesworth. No. 1,227,735; May 29; v. 238; p. 1394.
- Telephone-subscriber's calling mechanism. A. E. Kelth. No. 1,216,323; Feb. 20; v. 235; p. 737.
- Telephone-supervisory system. C. Mollerup. No. 1,224,883; May 1; v. 238; p. 272.
- Telephone-switch. W. W. Dean. No. 1,247,796; Nov. 27; v. 244; p. 883.
- Telephone-switch mechanism for preventing cord-twist. H. Hansen. No. 1,249,386; Dec. 11; v. 245; p. 307.
- Telephone-switchboard, Cordless. M. L. Currier. No. 1,243,922; Oct. 23; v. 243; p. 878.
- Telephone-switchboard. H. H. Lowry. No. 1,231,629; July 3; v. 240; p. 30.
- Telephone-switching apparatus, Automatic. T. G. Martin. No. 1,221,346; Apr. 3; v. 237; p. 121.
- Telephone switch mechanism. J. N. Reynolds. No. 1,215,860; Feb. 13; v. 235; p. 520.
- Telephone switching system. H. P. Clausen. No. 1,214,511; Feb. 6; v. 235; p. 9.
- Telephone switching system. H. P. Clausen. No. 1,214,512; Feb. 6; v. 235; p. 10.
- Telephone switching systems, Connecting-circuit for. H. P. Clausen. No. 1,222,364; Apr. 10; v. 237; p. 509.
- Telephone system. C. Adams-Randall. No. 1,217,548; Feb. 27; v. 235; p. 1207.
- Telephone system. W. Aitken. No. 1,221,404; Apr. 3; v. 237; p. 142.
- Telephone system. W. Aitken. No. 1,223,020; Apr. 17; v. 237; p. 778.
- Telephone system. O. Brisbois. No. 1,221,135; Apr. 3; v. 237; p. 46.
- Telephone system. L. C. Bygrave. No. 1,234,623; July 24; v. 240; p. 1114.
- Telephone system. L. C. Bygrave. No. 1,240,418; Sept. 18; v. 242; p. 604.
- Telephone system. H. P. Clausen. No. 1,215,487; Feb. 13; v. 235; p. 384.
- Telephone system. H. P. Clausen. No. 1,223,937; Apr. 24; v. 237; p. 1129.
- Telephone system. H. P. Clausen. No. 1,246,546; Nov. 13; v. 244; p. 450.
- Telephone system. H. P. Clausen. No. 1,246,882; Nov. 20; v. 244; p. 586.
- Telephone system. E. E. Clement. No. 1,223,369; Apr. 24; v. 237; p. 928.
- Telephone system. E. E. Clement. No. 1,230,996; June 26; v. 239; p. 1002.
- Telephone system. H. D. Currier. No. 1,221,030; Apr. 3; v. 237; p. 10.
- Telephone system. H. D. Currier. No. 1,249,036; Dec. 4; v. 245; p. 176.
- Telephone system. G. Deakin. No. 1,251,350; Dec. 25; v. 245; p. 974.
- Telephone system. W. W. Dean. No. 1,228,537; June 5; v. 239; p. 56.
- Telephone system. F. W. Dunbar. No. 1,211,688; Jan. 9; v. 234; p. 482.
- Telephone system. F. W. Dunbar. No. 1,223,349; Apr. 17; v. 237; p. 889.
- Telephone system. A. H. Dyson. No. 1,214,492; Jan. 30; v. 234; p. 1549.
- Telephone system. H. N. Faris. No. 1,242,338; Oct. 9; v. 243; p. 316.
- Telephone system. T. H. Ferguson. No. 1,235,302; July 31; v. 240; p. 1356.
- Telephone system. E. G. Godfree. No. 1,221,439; Apr. 3; v. 237; p. 154.
- Telephone system. G. Grabe. No. 1,239,097; Sept. 4; v. 242; p. 121.
- Telephone system. E. A. Graham. No. 1,211,435; Jan. 9; v. 234; p. 397.
- Telephone system. H. L. Harris. No. 1,247,831; Nov. 27; v. 244; p. 893.
- Telephone system. J. H. Levis, Jr. No. 1,210,499; Jan. 2; v. 234; p. 42.
- Telephone system. A. D. T. Libby. No. 1,214,694; Feb. 6; v. 235; p. 75.
- Telephone system. A. E. Lundell. No. 1,222,879; Apr. 17; v. 237; p. 731.
- Telephone system. A. E. Lundell. No. 1,238,160; Aug. 28; v. 241; p. 948.
- Telephone system. T. G. Martin. No. 1,219,656; Mar. 20; v. 236; p. 682.
- Telephone system. T. G. Martin. No. 1,227,474; May 22; v. 238; p. 1275.
- Telephone system. F. N. Reeves and A. E. Lundell. No. 1,240,257; Sept. 18; v. 242; p. 554.
- Telephone system. C. A. Simpson. No. 1,235,848; Aug. 7; v. 241; p. 104.
- Telephone system. F. M. Slough. No. 1,222,043; Apr. 10; v. 237; p. 395.
- Telephone system. F. M. Slough. No. 1,231,800; July 3; v. 240; p. 89.
- Telephone system. F. M. Slough. No. 1,238,350; Aug. 28; v. 241; p. 1011.
- Telephone system. F. M. Slough. No. 1,247,887; Nov. 27; v. 244; p. 908.
- Telephone system. L. W. Stanton. No. 1,224,425; May 1; v. 238; p. 113.
- Telephone system. F. M. Ward, G. H. Bryant, and T. M. Inman. No. 1,225,291; May 8; v. 238; p. 460.
- Telephone system. C. S. Winston. No. 1,217,255; Feb. 27; v. 235; p. 1102.
- Telephone system and apparatus. A. Akin. No. 1,211,031; Jan. 2; v. 234; p. 227.
- Telephone system and apparatus. C. L. Goodrum. No. 1,226,966; May 22; v. 238; p. 1107.
- Telephone system and the like. J. Skinderviken. No. 1,236,613; Aug. 14; v. 241; p. 380.
- Telephone system, Automatic. R. H. Burfeind. No. 1,237,998; Aug. 21; v. 241; p. 862.
- Telephone system, Automatic. R. H. Burfeind. (Reissue.) No. 14,411; Dec. 18; v. 245; p. 803.
- Telephone system, Automatic. E. H. Clark. No. 1,245,436; Nov. 6; v. 244; p. 88.
- Telephone system, Automatic. J. E. Cooley. No. 1,212,908; Jan. 16; v. 234; p. 940.
- Telephone system, Automatic. B. G. Dunham. No. 1,221,158; Apr. 3; v. 237; p. 54.
- Telephone system, Automatic. C. L. Goodrum. No. 1,216,305; Feb. 20; v. 235; p. 731.
- Telephone system, Automatic. C. L. Goodrum. No. 1,233,870; July 17; v. 240; p. 835.

- Telephone system, Automatic. C. L. Goodrum. No. 1,247,395; Nov. 20; v. 244; p. 732.
- Telephone system, Automatic. H. E. Hershey. No. 1,251,023; Dec. 25; v. 245; p. 879.
- Telephone system, Automatic. O. E. Hill. No. 1,238,140; Aug. 28; v. 241; p. 941.
- Telephone system, Automatic. A. E. Keith. No. 1,237,208; Aug. 14; v. 241; p. 571.
- Telephone system, Automatic. J. W. Lattig and C. L. Goodrum. No. 1,246,619; Nov. 13; v. 244; p. 473.
- Telephone system, Automatic. A. E. Lundell. No. 1,232,582; July 10; v. 240; p. 380.
- Telephone system, Automatic. A. E. Lundell. No. 1,233,891; July 17; v. 240; p. 842.
- Telephone system, Automatic. T. G. Martin. No. 1,236,859; Aug. 14; v. 241; p. 462.
- Telephone system, Automatic. G. E. Mueller. No. 1,239,207; Sept. 4; v. 242; p. 155.
- Telephone system, Automatic. F. R. Quayle. No. 1,243,761; Oct. 23; v. 243; p. 828.
- Telephone system, Automatic. C. E. Rogers. No. 1,216,365; Feb. 20; v. 235; p. 752.
- Telephone system, Automatic. A. B. Sperry. No. 1,242,384; Oct. 9; v. 243; p. 330.
- Telephone system, Automatic. S. B. Williams, Jr. No. 1,237,433; Aug. 21; v. 241; p. 683.
- Telephone system, Automatic. B. D. Willis. No. 1,245,650; Nov. 6; v. 244; p. 155.
- Telephone system, Automatic. S. B. Williams, Jr. No. 1,247,770; Nov. 27; v. 244; p. 876.
- Telephone system, Automatic. S. B. Williams, Jr. No. 1,247,771; Nov. 27; v. 244; p. 876.
- Telephone system, Automatic. C. S. Winston. No. 1,214,982; Feb. 6; v. 235; p. 176.
- Telephone system, Automatic. C. S. Winston. No. 1,216,641; Feb. 20; v. 235; p. 850.
- Telephone system, Automatic. C. S. Winston. No. 1,231,319; June 26; v. 239; p. 1110.
- Telephone system, Automatic. C. S. Winston. No. 1,247,197; Nov. 20; v. 244; p. 676.
- Telephone system, Automatic. G. A. Yanochowski and H. E. Hershey. No. 1,216,534; Feb. 20; v. 235; p. 812.
- Telephone system, Automatic ringing and secret-service. H. D. Currier. No. 1,233,196; July 10; v. 240; p. 580.
- Telephone system, Automatic party-line. F. Lubberger. No. 1,242,458; Oct. 9; v. 243; p. 354.
- Telephone system, Common-battery automatic. T. G. Martin. No. 1,223,506; Apr. 24; v. 237; p. 978.
- Telephone system, Electrostatic. I. Langmuir. No. 1,223,496; Apr. 24; v. 237; p. 974.
- Telephone system for railways and the like, Inductive wireless. T. G. Thörnblad, K. H. Warfvinge, and V. G. Werner. No. 1,216,887; Feb. 20; v. 235; p. 933.
- Telephone system for railways and the like, Inductive wireless. V. G. Werner and K. H. Warfvinge. No. 1,242,877; Oct. 9; v. 243; p. 489.
- Telephone system for toll traffic. C. R. H. Arntzenius. No. 1,214,258; Jan. 30; v. 234; p. 1469.
- Telephone system, Intercommunicating lockout. F. W. Adsit. No. 1,228,634; June 5; v. 239; p. 88.
- Telephone system, Loud-speaking. J. J. Comer. No. 1,234,134; July 24; v. 240; p. 955.
- Telephone system, Machine-switching. C. L. Goodrum. No. 1,250,579; Dec. 18; v. 245; p. 697.
- Telephone system, Manual and semi-automatic. W. Aitken. No. 1,210,389; Jan. 2; v. 234; p. 3.
- Telephone system, Measured-service. J. Erickson. No. 1,217,426; Feb. 27; v. 235; p. 1162.
- Telephone system, Measured-service. J. Erickson. No. 1,225,603; May 8; v. 238; p. 567.
- Telephone system, Measured-service. J. Erickson. No. 1,235,301; July 31; v. 240; p. 1356.
- Telephone system, Measured-service. J. Erickson. No. 1,243,721; Oct. 23; v. 243; p. 814.
- Telephone system, Measured-service. R. C. Gifford. No. 1,239,587; Sept. 11; v. 242; p. 305.
- Telephone system, Measured-service. T. G. Martin. No. 1,243,749; Oct. 23; v. 243; p. 824.
- Telephone system, Measured-service. S. S. Stolp. No. 1,214,969; Feb. 6; v. 235; p. 171.
- Telephone system, Measured-service. B. D. Willis. No. 1,244,816; Oct. 30; v. 243; p. 1186.
- Telephone system, Multi-exchange. H. D. Currier and R. I. Utter. No. 1,238,748; Sept. 4; v. 242; p. 9.
- Telephone system, Selective lockout. F. W. Adsit. No. 1,214,638; Feb. 6; v. 235; p. 54.
- Telephone system, Semi-automatic. C. J. Erickson. No. 1,221,299; Apr. 3; v. 237; p. 105.
- Telephone system, Semi-automatic. E. D. Fales. No. 1,242,164; Oct. 9; v. 243; p. 262.
- Telephone system, Semi-automatic. H. J. Herink. No. 1,250,583; Dec. 18; v. 245; p. 699.
- Telephone system, Semi-automatic. A. E. Lundell. No. 1,221,879; Apr. 10; v. 237; p. 338.
- Telephone system, Semi-automatic. A. E. Lundell. No. 1,232,345; July 3; v. 240; p. 270.
- Telephone system, Semi-automatic. A. E. Lundell. No. 1,233,892; July 17; v. 240; p. 842.
- Telephone system, Semi-automatic. B. D. Willis. No. 1,230,639; June 19; v. 239; p. 844.
- Telephone system, Two-wire automatic. T. G. Martin. No. 1,249,159; Dec. 4; v. 245; p. 210.
- Telephone system, Two-wire automatic. G. E. Mueller. No. 1,237,214; Aug. 14; v. 241; p. 572.
- Telephone system, Two-wire to three-wire. E. D. Fales. No. 1,230,694; June 19; v. 239; p. 861.
- Telephone systems, Combined cut-out and lightning-arrester for. H. S. Wheaton. No. 1,212,300; Jan. 16; v. 234; p. 728.
- Telephone systems, Control-circuit for. F. Aldendorff. No. 1,223,304; Apr. 17; v. 237; p. 872.
- Telephone systems, Loading unit for. G. A. Kelsall. No. 1,238,153; Aug. 28; v. 241; p. 945.
- Telephone systems, Signal device for. A. E. Case. No. 1,213,837; Jan. 30; v. 234; p. 1325.
- Telephone systems, Switch for automatic. W. Kaisling. No. 1,215,814; Feb. 13; v. 235; p. 503.
- Telephone systems, Switch mechanism for. L. J. Gorsuch. No. 1,216,111; Feb. 13; v. 235; p. 611.
- Telephone systems, Switching device for. D. D. Miller. No. 1,211,612; Jan. 9; v. 234; p. 456.
- Telephone talking-coil and circuit connections. J. P. Ferriter. No. 1,234,651; July 24; v. 240; p. 1122.
- Telephone talking-machine, Electric. E. H. Amet. No. 1,222,348; Apr. 10; v. 237; p. 503.
- Telephone, Thermic. P. de Lange and R. Aernout. No. 1,243,048; Oct. 16; v. 243; p. 578.
- Telephone, Thermic. P. de Lange and R. A. B. Van Lynden. No. 1,245,575; Nov. 6; v. 244; p. 131.
- Telephone-toll device and circuit therefor. S. B. Williams, Jr. No. 1,246,201; Nov. 13; v. 244; p. 346.
- Telephone toll system. H. M. Bascom. No. 1,215,331; Feb. 13; v. 235; p. 330.
- Telephone toll system, Fraud-detecting. V. D. Cousins. No. 1,222,077; Apr. 10; v. 237; p. 406.
- Telephone-traffic, Metering. E. E. Clement. No. 1,249,032; Dec. 4; v. 245; p. 175.
- Telephone-transmitter. J. P. Ferriter. No. 1,234,649; July 24; v. 240; p. 1122.
- Telephone-transmitter. N. H. Holland. No. 1,226,886; May 22; v. 238; p. 1079.
- Telephone-transmitter. E. L. Holmes and E. Johnson. No. 1,235,204; July 31; v. 240; p. 1327.
- Telephone-transmitter. R. H. Manson. No. 1,229,634; June 12; v. 239; p. 474.
- Telephone-transmitter. J. G. Nolen and R. L. McElroy. No. 1,222,790; Apr. 17; v. 237; p. 700.
- Telephone-transmitter. N. Tannaka. No. 1,231,095; June 26; v. 239; p. 1037.
- Telephone transmitter and mouthpiece. H. Nakal. No. 1,225,672; May 8; v. 238; p. 589.
- Telephone-transmitters, Microphonic attachment for. W. C. Bellows. No. 1,248,998; Dec. 4; v. 245; p. 165.
- Telephone transmitters, Receiver-supporting attachment for desk. C. O. Dewey. No. 1,247,234; Nov. 20; v. 244; p. 688.
- Telephone trunking-switch and system therefor, Automatic. W. L. Campbell. No. 1,221,287; Apr. 3; v. 237; p. 101.
- Telephone trunking system. F. Lubberger. No. 1,243,747; Oct. 23; v. 243; p. 823.
- Telephone trunking system. J. G. Roberts. No. 1,218,806; Mar. 13; v. 236; p. 359.
- Telephone trunking system. M. Schwartz. No. 1,217,510; Feb. 27; v. 235; p. 1194.
- Telephone wall set. W. W. Henry. No. 1,240,974; Sept. 25; v. 242; p. 809.
- Telephones and the like, Disinfecting and advertising device for. L. Block. No. 1,228,394; June 5; v. 239; p. 7.
- Telephones and the like, Mouthpiece for. J. T. McGonigal. No. 1,225,463; May 8; v. 238; p. 520.
- Telephones, High-power-transmitting apparatus for wireless. P. J. Huckett. No. 1,246,420; Nov. 13; v. 244; p. 412.
- Telephones, Manufacture of heating elements for thermic. P. de Lange and R. A. B. van Lynden. No. 1,246,065; Nov. 13; v. 244; p. 306.
- Telephones, Memorandum-pad holder for desk. J. S. Gee. No. 1,213,185; Jan. 23; v. 234; p. 1070.
- Telephones, Receiver-holding attachment for. J. F. Williams. No. 1,221,784; Apr. 3; v. 237; p. 271.
- Telephones, Secrecy system for extension and party-line. C. C. Bradbury. No. 1,221,134; Apr. 3; v. 237; p. 46.
- Telephones, Sound-intensifying device for. H. J. Kastner. No. 1,225,136; May 8; v. 238; p. 408.
- Telephones, Time-calling device for. E. Rogers. No. 1,244,081; Oct. 23; v. 243; p. 925.
- Telephonic apparatus. C. Forgues. No. 1,230,884; June 26; v. 239; p. 963.
- Telephonic paging system. N. A. Kurman. No. 1,239,607; Sept. 11; v. 242; p. 311.
- Telephoning system. C. L. Goodrum. No. 1,245,900; Nov. 6; v. 244; p. 230.
- Telephony. D. S. Hulfish. No. 1,218,182; Mar. 6; v. 236; p. 102.
- Telephony. D. S. Hulfish. No. 1,220,228; Mar. 27; v. 236; p. 919.
- Telephony. M. L. Johnson. No. 1,230,170; June 19; v. 239; p. 687.
- Telephony. M. L. Johnson. No. 1,236,569; Aug. 14; v. 241; p. 366.
- Telephony, Radio-. C. R. Englund. No. 1,245,446; Nov. 6; v. 244; p. 91.
- Telephony, Submarine, subterranean, and aerial. R. A. Fessenden. No. 1,212,202; Jan. 16; v. 234; p. 690.
- Telltale. J. H. Derby. No. 1,244,962; Oct. 30; v. 243; p. 1230.

Alphabetical list of inventions—Continued.

- Temperature apparatus, Precision. A. De Khotinsky. No. 1,239,572; Sept. 11; v. 242; p. 301.
- Temperature-controlling device. N. Barker. No. 1,224,862; May 1; v. 238; p. 263.
- Temperature-determining device. H. L. Heathcote. No. 1,234,333; July 24; v. 240; p. 1020.
- Temperature-governor for fluids. K. Dougan. No. 1,224,614; May 1; v. 238; p. 178.
- Temperature indicating and recording apparatus. J. A. Hunter and D. Edge. No. 1,220,635; Mar. 27; v. 236; p. 1063.
- Temperature regulating and indicating device. W. C. Housholder. No. 1,217,601; Feb. 27; v. 235; p. 1225.
- Temperature-regulating device, Automatic. D. Dunwoodie. No. 1,244,184; Oct. 23; v. 243; p. 955.
- Temperature-regulator. L. D. Vaughan. No. 1,220,381; Mar. 27; v. 236; p. 975.
- Temperature-responsive device. C. G. Simonds and G. W. Doerr. No. 1,231,439; June 26; v. 239; p. 1151.
- Temperatures, Apparatus for automatically regulating, controlling, and timing fluid. G. S. Bennett. No. 1,237,458; Aug. 21; v. 241; p. 691.
- Temperatures in vegetable matter, Means for indicating abnormal. A. D. Kennedy. No. 1,224,385; May 1; v. 238; p. 97.
- Tempering compound. C. J. Anderson. No. 1,215,759; Feb. 13; v. 235; p. 483.
- Templet. H. Allen. No. 1,237,143; Aug. 14; v. 241; p. 552.
- Templet. A. J. Parrish. No. 1,230,768; June 19; v. 239; p. 886.
- Templet-frame. O. Arndt. No. 1,233,743; July 17; v. 240; p. 794.
- Tennis-courts, Apparatus for laying out. A. W. Sherwood. No. 1,240,498; Sept. 18; v. 242; p. 629.
- Tennis-gut, Manufacturing. S. Kimata. No. 1,231,911; July 3; v. 240; p. 126.
- Tennis-nets and the like, Anchorage for. F. W. Lord. No. 1,239,924; Sept. 11; v. 242; p. 414.
- Tennis nets and the like, Anchoring device for table. F. L. Ordway. No. 1,250,634; Dec. 18; v. 245; p. 713.
- Tennis nets and the like, Apparatus for supporting lawn. G. Lane. No. 1,224,388; May 1; v. 238; p. 98.
- Tennis-posts and the like, Socket for. G. Lane. No. 1,224,387; May 1; v. 238; p. 98.
- Tenoning-machine. W. C. Troendle. No. 1,223,125; Apr. 17; v. 237; p. 814.
- Tension-controller. P. Bresch. No. 1,231,560; July 3; v. 240; p. 6.
- Tension device. G. L. Brownell. No. 1,243,036; Oct. 16; v. 243; p. 574.
- Tension device and brake for web-rolls, Automatic. H. M. Barber. No. 1,242,638; Oct. 9; v. 243; p. 412.
- Tension device, Automatic. F. Wengraf. No. 1,247,760; Nov. 27; v. 244; p. 872.
- Tension device, Multiple. E. F. Parks. No. 1,233,697; July 17; v. 240; p. 780.
- Tension mechanism for testing-machines. H. L. Scott. No. 1,219,594; Mar. 20; v. 236; p. 660.
- Tension-regulator. J. A. Dahlberg. No. 1,216,084; Feb. 13; v. 235; p. 602.
- Tension-sheave. H. Erickson. No. 1,235,964; Aug. 7; v. 241; p. 143.
- Tent, Sectional. C. M. Baldwin. No. 1,249,883; Dec. 11; v. 245; p. 453.
- Tent attachment. J. A. Rossi. No. 1,213,022; Jan. 16; v. 234; p. 981.
- Tent. C. W. Surber. No. 1,238,360; Aug. 28; v. 241; p. 1014.
- Tent. H. R. Wykert. No. 1,239,550; Sept. 11; v. 242; p. 293.
- Tent-flap-closing device. J. H. Herzstein. No. 1,233,575; July 17; v. 240; p. 742.
- Tent, Folding. D. Nettenstrom. No. 1,219,847; Mar. 20; v. 236; p. 748.
- Tent-frame. J. H. Morgan. No. 1,245,944; Nov. 6; v. 244; p. 241.
- Tent-opening frame. L. B. and N. Goldberg. No. 1,240,133; Sept. 11; v. 242; p. 474.
- Tent-stake. A. Basnett. No. 1,235,417; July 31; v. 240; p. 1390.
- Tent, Window-. G. E. Harris. No. 1,221,727; Apr. 3; v. 237; p. 251.
- Terminal box. C. C. Oberly. No. 1,248,699; Dec. 4; v. 245; p. 80.
- Terminal box. E. G. Smith. No. 1,213,287; Jan. 23; v. 234; p. 1105.
- Terminal, Connection-. A. H. Weiss. No. 1,247,916; Nov. 27; v. 244; p. 917.
- Terminal, Primary. C. W. Beck. No. 1,220,715; Mar. 27; v. 236; p. 1089.
- Terminals, and terminals, Making. H. B. Andrews. (Re-issue.) No. 14,401; Dec. 4; v. 245; p. 252.
- Terne plates, Method of and apparatus for making. T. M. Evans. No. 1,213,851; Jan. 30; v. 234; p. 1330.
- Terra-cotta in colors for building purposes and the product of such process, Process of manufacturing architectural. W. E. Dennison. No. 1,228,538; June 5; v. 239; p. 56.
- Terracing-machine. S. L. Reese. No. 1,247,719; Nov. 27; v. 244; p. 860.
- Test-clip. W. S. Lewis. No. 1,249,430; Dec. 11; v. 245; p. 319.
- Test-drill. A. G. Broussard. No. 1,224,847; May 1; v. 238; p. 259.
- Test-hole drill, Pneumatic. A. M. Baird. No. 1,223,234; Apr. 17; v. 237; p. 850.
- Test-indicator. A. G. Cash. No. 1,235,551; Aug. 7; v. 241; p. 7.
- Test-indicator. P. W. Payne. No. 1,241,469; Sept. 25; v. 242; p. 962.
- Test-plug. R. S. Benson. No. 1,212,886; Jan. 16; v. 234; p. 932.
- Test-plug. A. J. Loepsinger. No. 1,250,603; Dec. 18; v. 245; p. 704.
- Testing apparatus. A. H. Daus. No. 1,214,141; Jan. 30; v. 234; p. 1429.
- Testing apparatus. P. C. R. Kammerer. No. 1,237,051; Aug. 14; v. 241; p. 524.
- Testing arrangement. H. P. Clausen. No. 1,220,607; Mar. 27; v. 236; p. 1054.
- Testing-circuit for measured-service apparatus. J. Davidson, Jr. No. 1,245,321; Nov. 6; v. 244; p. 54.
- Testing device. H. R. Edgecomb. No. 1,231,580; July 3; v. 240; p. 13.
- Testing device. J. A. Hoff. No. 1,211,942; Jan. 9; v. 234; p. 574.
- Testing-machine. T. V. Buckwalter. No. 1,240,416; Sept. 18; v. 242; p. 603.
- Testing system. R. S. Wilbur. No. 1,219,517; Mar. 20; v. 236; p. 633.
- Testing system, Automatic. H. P. Clausen. No. 1,224,140; May 1; v. 238; p. 9.
- Testing system, Automatic. H. P. Clausen. No. 1,232,498; July 10; v. 240; p. 354.
- Tether, Animal-. A. Czaja and J. Hareza. No. 1,233,649; July 17; v. 240; p. 765.
- Textile apparatus. H. D. Colman. No. 1,245,874; Nov. 6; v. 244; p. 221.
- Textile belting and preparing the same. H. S. Buchner. No. 1,249,019; Dec. 4; v. 245; p. 172.
- Textile fabrics antique, Rendering. M. B. Adom. No. 1,227,361; May 22; v. 238; p. 1239.
- Textile fabrics, leather, &c., Composition of matter for cleaning. C. H. Behnman. No. 1,234,266; July 24; v. 240; p. 999.
- Textile-machine. E. F. Hathaway and C. Lea. No. 1,227,537; May 22; v. 238; p. 1296.
- Textile-machine. J. L. Macfarlane. No. 1,233,592; July 17; v. 240; p. 747.
- Textile-machinery guard. J. F. Bohan and C. J. Hartman. No. 1,249,889; Dec. 11; v. 245; p. 455.
- Textile material and producing same, Manufacture of artificial. L. Lilienfeld. No. 1,217,028; Feb. 20; v. 235; p. 980.
- Textile materials, Producing foam for treating. R. Clavel. No. 1,234,732; July 31; v. 240; p. 1182.
- Thawing apparatus, Pipe-. J. E. Philippon. No. 1,243,973; Oct. 23; v. 243; p. 893.
- Theater-chair. A. Szymkowiak. No. 1,213,920; Jan. 30; v. 234; p. 1354.
- Theater chair, Motion-picture-. M. R. and L. C. Toole. No. 1,226,416; May 15; v. 238; p. 886.
- Theaters, Vacant-seat indicator for. C. E. Egan. No. 1,218,383; Mar. 6; v. 236; p. 172.
- Theatrical appliance. J. H. M. Dudley. No. 1,230,877; June 26; v. 239; p. 960.
- Theatrical levitation, Means for. E. Rach. No. 1,229,519; June 12; v. 239; p. 435.
- Theft preventing and signaling device. S. A. Deanes. No. 1,241,934; Oct. 2; v. 243; p. 149.
- Therapeutic apparatus. W. Meyer. No. 1,241,136; Sept. 25; v. 242; p. 859.
- Therapeutic apparatus. H. B. Philips. No. 1,213,001; Jan. 16; v. 234; p. 974.
- Therapeutic applicator. C. H. Viol. No. 1,210,731; Jan. 2; v. 234; p. 122.
- Therapeutical apparatus, High-frequency. W. Kleinberg. No. 1,230,905; June 26; v. 239; p. 969.
- Therapeutical appliance. F. H. Morse. No. 1,212,541; Jan. 16; v. 234; p. 811.
- Therapeutically-active rays to the human body, Apparatus for applying. E. Zueblin. No. 1,228,865; June 5; v. 239; p. 168.
- Thermionic amplifier. A. M. Nicolson. No. 1,210,678; Jan. 2; v. 234; p. 105.
- Thermionic amplifying-circuit. P. I. Wold. No. 1,232,879; July 10; v. 240; p. 478.
- Thermo-couple. J. W. Bard. No. 1,221,270; Apr. 3; v. 237; p. 96.
- Thermo-couple. L. W. Chubb. No. 1,241,496; Oct. 2; v. 243; p. 6.
- Thermo-electric generator. H. W. Webb. No. 1,234,515; July 24; v. 240; p. 1080.
- Thermo-electric generator. H. W. Webb. No. 1,242,499; Oct. 9; v. 243; p. 367.
- Thermo-electric regulator. L. P. Hynes. No. 1,246,927; Nov. 20; v. 244; p. 600.
- Thermo elements, Manufacture of. W. Löw. No. 1,232,062; July 3; v. 240; p. 178.
- Thermometer. A. Ostheimer. No. 1,213,939; Jan. 30; v. 234; p. 1359.
- Thermometer and barometer back. L. F. Chaney. No. 1,242,100; Oct. 2; v. 243; p. 200.
- Thermometer-attaching means. L. V. Aronson. No. 1,228,164; May 29; v. 238; p. 1538.

- Thermometer-case. J. MacGregor. No. 1,216,827; Feb. 20; v. 235; p. 912.
- Thermometer-case. H. S. Wright. No. 1,213,031; Mar. 6; v. 236; p. 49.
- Thermometer-cautery. W. D. Berry. No. 1,229,704; June 12; v. 239; p. 497.
- Thermometer for the cooling systems of internal-combustion engines. O. J. Williams. No. 1,220,150; Mar. 20; v. 236; p. 858.
- Thermometer-holding device for tanks and the like. H. W. Maurer. No. 1,233,385; July 17; v. 240; p. 678.
- Thermometer, Oven-. C. D. Bolin. No. 1,224,896; May 8; v. 238; p. 327.
- Thermometer, Oven-. C. D. Bolin. No. 1,224,897; May 8; v. 238; p. 327.
- Thermometer, Oven-. A. E. Whittier. No. 1,235,623; Aug. 7; v. 241; p. 31.
- Thermometer-support. T. Royston. No. 1,230,035; June 12; v. 239; p. 604.
- Thermometer unit. H. N. Packard. No. 1,230,598; June 19; v. 239; p. 831.
- Thermometers, Sterilizing-case for pocket-. J. P. Moreau. No. 1,247,440; Nov. 20; v. 244; p. 746.
- Thermoregulator. A. De Khotinsky. No. 1,227,760; May 29; v. 238; p. 1402.
- Thermosensitive device, Automatic. W. M. Fulton. No. 1,220,972; Mar. 27; v. 236; p. 1175.
- Thermostat. W. H. Bristol and H. Koester. No. 1,225,758; May 15; v. 238; p. 662.
- Thermostat. H. J. Carmody. No. 1,218,167; Mar. 6; v. 236; p. 97.
- Thermostat. W. O. Haymond. No. 1,240,139; Sept. 11; v. 242; p. 476.
- Thermostat. D. S. Jacobus. No. 1,233,480; July 17; v. 240; p. 709.
- Thermostat. W. H. Kallenbach. No. 1,219,950; Mar. 20; v. 236; p. 785.
- Thermostat. M. M. Mason. No. 1,245,753; Nov. 6; v. 244; p. 184.
- Thermostat. H. E. Reeve. No. 1,212,260; Jan. 16; v. 234; p. 713.
- Thermostat for electric heating and cooking apparatus. R. J. M. Parke and E. D. Brand. No. 1,217,994; Mar. 6; v. 236; p. 37.
- Thermostat for oil-heating means. L. A. Ivany. No. 1,222,870; Apr. 17; v. 237; p. 728.
- Thermostat for scales. L. Jaenichen. No. 1,231,026; June 26; v. 239; p. 1012.
- Thermostat or heat-regulator for incubators. C. P. McAndrew. No. 1,235,348; July 31; v. 240; p. 1370.
- Thermostats, Pressure-responsive device for. N. Hofstad. No. 1,215,803; Feb. 13; v. 235; p. 499.
- Thermostatic alarm. E. Winterer. No. 1,229,370; June 12; v. 239; p. 385.
- Thermostatic apparatus. B. V. Edwards. No. 1,211,116; Jan. 2; v. 234; p. 254.
- Thermostatic apparatus. B. V. Edwards. No. 1,211,117; Jan. 2; v. 234; p. 254.
- Thermostatic attempting device. A. Kleinfeldt. No. 1,234,548; July 24; v. 240; p. 1090.
- Thermostatic device. H. H. Fehrenschild. No. 1,218,384; Mar. 6; v. 236; p. 173.
- Thermostatic indicator. J. M. Johnson. No. 1,243,608; Oct. 16; v. 243; p. 745.
- Thermostatic regulator. W. C. Heindl. No. 1,218,768; Mar. 13; v. 236; p. 344.
- Thermostatic regulator. J. C. Lion. No. 1,212,234; Jan. 16; v. 234; p. 702.
- Thermostatic regulator. J. Nathan. No. 1,224,313; May 1; v. 238; p. 71.
- Thermostatic regulator. H. Sandvoss. No. 1,234,573; July 24; v. 240; p. 1099.
- Thermostatic regulator. H. Sandvoss. No. 1,243,112; Oct. 16; v. 243; p. 598.
- Thermostatic trip-switch device. J. Jackson. No. 1,238,776; Sept. 4; v. 242; p. 17.
- Thill-coupling. H. Chenault. No. 1,245,681; Nov. 6; v. 244; p. 164.
- Thill-support. T. S. Lemmon. No. 1,220,861; Mar. 27; v. 236; p. 1140.
- Thimble. C. Unruh. No. 1,231,972; July 3; v. 240; p. 146.
- Thimble. Needle-threading. A. A. Anderson. No. 1,220,387; Mar. 27; v. 236; p. 977.
- Thimble-remover. E. W. Gerrish. No. 1,246,415; Nov. 13; v. 244; p. 411.
- Thimble, Rope-. C. C. Sunderland. No. 1,244,658; Oct. 30; v. 243; p. 1137.
- Thimble, Thread-cutting. E. W. King. No. 1,221,546; Apr. 3; v. 237; p. 192.
- Thorium from soda solutions containing thorium oxalate, Separating. I. Kreidl. No. 1,232,334; July 3; v. 240; p. 267.
- Thread-coating composition. M. S. H., H. L., and N. Finkelstein. No. 1,210,446; Jan. 2; v. 234; p. 24.
- Thread controller, Looper-. D. S. Seymour. No. 1,216,738; Feb. 20; v. 235; p. 882.
- Thread-controlling mechanism for overseaming-machines. L. Onderdonk. No. 1,232,381; July 3; v. 240; p. 281.
- Thread-controlling mechanism for overseaming-machines, Needle-. L. Onderdonk. No. 1,232,382; July 3; v. 240; p. 281.
- Thread-cutter. J. C. Moon. No. 1,232,708; July 10; v. 240; p. 422.
- Thread-cutter. J. C. Moon. No. 1,232,709; July 10; v. 240; p. 422.
- Thread-cutter. H. L. Spence. No. 1,224,800; May 1; v. 238; p. 242.
- Thread cutter and holder. O. A. Olson. No. 1,229,504; June 12; v. 239; p. 429.
- Thread-cutting device. R. L. Lyons. No. 1,246,965; Nov. 20; v. 244; p. 610.
- Thread-cutting die. M. Block. No. 1,242,130; Oct. 9; v. 243; p. 251.
- Thread-cutting machine. F. H. Mooney. No. 1,231,283; June 26; v. 239; p. 1098.
- Thread-cutting mechanism. A. F. Fifield. No. 1,251,451; Dec. 25; v. 245; p. 1003.
- Thread-cutting or milling machines, Cutter or miller for. A. P. Holden. No. 1,237,516; Aug. 21; v. 241; p. 709.
- Thread-cutting tap. C. Schoenert. No. 1,232,099; July 3; v. 240; p. 191.
- Thread-cutting temple. E. S. Stimpson. No. 1,214,385; Jan. 30; v. 234; p. 1515.
- Thread-cutting tool, Internal-. P. J. Kelly. No. 1,234,769; July 31; v. 240; p. 1193.
- Thread-drawing machine. W. R. McMurray. No. 1,237,927; Aug. 21; v. 241; p. 839.
- Thread-end-fastening machine. H. E. Enslin. No. 1,246,075; Nov. 13; v. 244; p. 308.
- Thread-fastening machine. P. W. Shaw. No. 1,237,711; Aug. 21; v. 241; p. 773.
- Thread-guiding device for crocheting. T. Sauer. No. 1,235,605; Aug. 7; v. 241; p. 25.
- Thread-guiding mechanism. W. H. Goldsmith, Jr. No. 1,210,641; Jan. 2; v. 234; p. 92.
- Thread holder, Crochet-. A. O. Simonds. No. 1,216,863; Feb. 20; v. 235; p. 924.
- Thread-lock. A. Latham. No. 1,226,086; May 15; v. 238; p. 774.
- Thread-milling fixture. P. P. G. Hall and G. F. Matteson. No. 1,232,296; July 3; v. 240; p. 254.
- Thread-milling machine. A. P. Holden and P. Morgan. No. 1,215,804; Feb. 13; v. 235; p. 499.
- Thread-pitch gage. J. B. Moore. No. 1,249,804; Dec. 11; v. 245; p. 429.
- Thread pull-off and locking device. O. L. Lawson. No. 1,217,871; Feb. 27; v. 235; p. 1316.
- Thread-splicing machine. A. A. Brigham. No. 1,239,560; Sept. 11; v. 242; p. 296.
- Thread-stand. J. Maitland. No. 1,221,883; Apr. 10; v. 237; p. 340.
- Thread, Threader, holder, and cutter for. E. F. Hersberger. No. 1,240,142; Sept. 11; v. 242; p. 477.
- Thread-unwinder. A. H. De Voe. No. 1,216,289; Feb. 20; v. 235; p. 725.
- Threads, Apparatus for treating artificial-silk and like. H. de Chardonnet. No. 1,243,489; Oct. 16; v. 243; p. 709.
- Threads, Apparatus for treating artificial-silk and like. H. de Chardonnet. No. 1,245,690; Nov. 6; v. 244; p. 167.
- Threads of artificial silk, films, and other objects, Obtaining. L. Leduc and H. Jacquemin. No. 1,214,931; Feb. 6; v. 235; p. 158.
- Threading device. A. Wunderlich. No. 1,238,376; Aug. 28; v. 241; p. 1019.
- Threading-die and holder. H. M. Loomer. No. 1,212,970; Jan. 16; v. 234; p. 963.
- Threading-die and holder. H. M. Loomer. No. 1,212,971; Jan. 16; v. 234; p. 963.
- Threading-die. R. L. Wilcox. No. 1,232,875; July 10; v. 240; p. 477.
- Threading-die. R. L. Wilcox. No. 1,232,876; July 10; v. 240; p. 477.
- Threading-tool. C. A. Johnson. No. 1,250,185; Dec. 18; v. 245; p. 579.
- Threading-tools, Holder for. W. Parker. No. 1,216,484; Feb. 20; v. 235; p. 795.
- Thresher or separator. F. Geminden and F. Kiel. No. 1,229,063; June 5; v. 239; p. 231.
- Threshers or separators, Extension-feeder for grain. O. P. Stark. No. 1,232,405; July 3; v. 240; p. 288.
- Threshing and hauling machines, Pea-vine. E. J. Vaudreuil. No. 1,220,477; Mar. 27; v. 236; p. 1009.
- Threshing-cylinder. J. D. Jones. No. 1,215,940; Feb. 13; v. 235; p. 550.
- Threshing-machine. J. L. Clark. No. 1,221,145; Apr. 3; v. 237; p. 50.
- Threshing-machine. M. Davis. No. 1,226,865; May 22; v. 238; p. 1072.
- Threshing-machine. M. Davis. No. 1,251,187; Dec. 25; v. 245; p. 926.
- Threshing-machine. H. F. Hutton. No. 1,234,168; July 24; v. 240; p. 967.
- Threshing-machine. A. C. Sanford. No. 1,241,028; Sept. 25; v. 242; p. 825.
- Threshing-machine. A. B. Welty. No. 1,210,571; Jan. 2; v. 234; p. 67.
- Threshing machine, Automatic shock-. E. M. Wheelock. No. 1,238,970; Sept. 4; v. 242; p. 80.
- Threshing-machine concave. L. J. Schwartz. No. 1,226,601; May 15; v. 238; p. 943.
- Threshing machine, Cotton-. W. A. Patterson. No. 1,227,652; May 29; v. 238; p. 1365.

- Threshing machine, Cotton-. W. A. Patterson. No. 1,248,000; Nov. 27; v. 244; p. 940.
 Threshing machine, Cotton-boll-. T. M. Cass. No. 1,219,701; Mar. 20; v. 236; p. 698.
 Threshing-machine feeder. J. W. Gilbert. No. 1,215,645; Feb. 13; v. 235; p. 445.
 Threshing-machine grain-pan. J. A. Malm. No. 1,224,188; May 1; v. 238; p. 26.
 Threshing-machine grain-saving device. H. T. Seburn. No. 1,246,949; Nov. 20; v. 244; p. 605.
 Threshing-machine self-feeder. G. M. States. No. 1,220,901; Mar. 27; v. 236; p. 1152.
 Threshing-machine separator or screen. J. Hilger. No. 1,224,377; May 1; v. 238; p. 94.
 Threshing-machines, Grain-cleaning means for. H. II. Schuette. No. 1,230,437; June 19; v. 239; p. 775.
 Threshing-machines, Grain-screen for. F. C. Stuckel. No. 1,217,364; Feb. 27; v. 235; p. 1140.
 Threshing-machines, Leveling device for. W. Suckow. No. 1,248,031; Nov. 27; v. 244; p. 947.
 Threshing-machines or the like, Pneumatic feeder for. E. D. Thorp. No. 1,210,564; Jan. 2; v. 234; p. 65.
 Threshing-machines, Recleaner structure for. J. J. Holsten. No. 1,241,980; Oct. 2; v. 243; p. 162.
 Threshing-machines, Screening mechanism for. J. A. Malm. No. 1,232,947; July 10; v. 240; p. 501.
 Thresholds, Yielding joint-strip for. F. T. Riley. No. 1,210,535; Jan. 2; v. 234; p. 55.
 Throttle-controlling apparatus. W. T. Sears. No. 1,236,489; Aug. 14; v. 241; p. 340.
 Throwing machine, Object-. A. B. Ferguson. No. 1,237,625; Aug. 21; v. 241; p. 743.
 Thumb-hole machine. F. Grafenberger. No. 1,241,506; Oct. 2; v. 243; p. 10.
 Ticket. C. B. Steele. No. 1,231,807; July 3; v. 240; p. 92.
 Ticket. H. A. Stoiber. No. 1,240,266; Sept. 18; v. 242; p. 556.
 Ticket. C. S. Sweet, Jr. No. 1,234,232; July 24; v. 240; p. 988.
 Ticket and coin holder. N. B. Anderson. No. 1,236,247; Aug. 7; v. 241; p. 231.
 Ticket-case. A. Blakemore. No. 1,241,188; Sept. 25; v. 242; p. 875.
 Ticket-case. E. K. Bottle. No. 1,249,309; Dec. 11; v. 245; p. 287.
 Ticket-case. G. B. Herington. No. 1,235,567; Aug. 7; v. 241; p. 12.
 Ticket, Commutation-. B. E. Wilson. No. 1,232,877; July 10; v. 240; p. 477.
 Ticket-counter. G. B. Herington. No. 1,210,802; Jan. 2; v. 234; p. 146.
 Ticket dating and identifying means. T. W. Flesher. No. 1,247,807; Nov. 27; v. 244; p. 887.
 Ticket-delivering machine. A. T. Pattimore. No. 1,220,677; Mar. 27; v. 236; p. 1076.
 Ticket-dispenser. J. A. Storm. No. 1,239,981; Sept. 11; v. 242; p. 431.
 Ticket-holder. J. R. Ballentine. No. 1,213,816; Jan. 30; v. 234; p. 1318.
 Ticket-holder. N. R. Homyer, Jr. No. 1,217,177; Feb. 27; v. 235; p. 1076.
 Ticket-holder. G. T. Roberts. No. 1,248,163; Nov. 27; v. 244; p. 985.
 Ticket-holder. E. A. Schreiber. No. 1,241,564; Oct. 2; v. 243; p. 31.
 Ticket-holder. G. W. Weekley. No. 1,236,514; Aug. 14; v. 241; p. 348.
 Ticket holder and cutter. S. L. Vaughan. No. 1,249,862; Dec. 11; v. 245; p. 447.
 Ticket holder and protector, Milk-. F. L. Speelman. No. 1,224,031; Apr. 24; v. 237; p. 1160.
 Ticket-issuing machine. F. Skerl. No. 1,238,836; Sept. 4; v. 242; p. 38.
 Ticket, Marking-. E. L. Kinch. No. 1,230,412; June 19; v. 239; p. 766.
 Ticket, Pin-. B. J. Carozza. No. 1,249,325; Dec. 11; v. 245; p. 290.
 Ticket, Pin-. W. Livingston. No. 1,224,183; May 1; v. 238; p. 24.
 Ticket, Pin-. M. Tetzlaff. No. 1,220,907; Mar. 27; v. 236; p. 1154.
 Ticket, Pin price-. W. J. Roche. No. 1,250,662; Dec. 18; v. 245; p. 720.
 Ticket, Pin-. G. A. Wallin. No. 1,235,618; Aug. 7; v. 241; p. 30.
 Ticket, Railway-. J. V. Davis. No. 1,246,064; Nov. 13; v. 244; p. 306.
 Ticket-separating machine. O. N. Verenus. No. 1,226,930; May 22; v. 238; p. 1094.
 Tickets, Cards, and the like, Holder for. H. S. Malins. No. 1,220,097; Mar. 6; v. 236; p. 73.
 Tidal motor. H. Monroe. No. 1,224,950; May 8; v. 238; p. 345.
 Tie—See—
 Bag-tie. Plastic tie.
 Bale and package tie. Rail-tie.
 Ceiling-tie. Railway cross-tie.
 Concrete tie. Railway-tie.
 Cross-tie. Sectional tie.
 Metal tie. Spring-tie.
 Metallic tie. Steel tie.
 Package and bundle tie. Wire tie.
 Package-tie.
 Tie and ladder-rung member for silos and the like, Combined. G. B. Wickersham. No. 1,229,002; June 5; v. 239; p. 211.
 Tie and making same. F. G. Keiser. No. 1,232,566; July 10; v. 240; p. 375.
 Tie and rail-fastener, Metallic. J. S. Lencki. No. 1,216,473; Feb. 20; v. 235; p. 791.
 Tie and spacer. G. S. Mumford. No. 1,238,696; Aug. 28; v. 241; p. 1119.
 Tie-attaching device. M. Lukacs. No. 1,242,216; Oct. 9; v. 243; p. 278.
 Tie-bars, Rivet connection for. C. Knoth. No. 1,250,595; Dec. 18; v. 245; p. 702.
 Tie-clasp. C. P. Savage. No. 1,223,425; Apr. 24; v. 237; p. 948.
 Tie-fastener. J. G. Breitenstein. No. 1,241,337; Sept. 25; v. 242; p. 924.
 Tie-fittings. I. Geary. No. 1,237,500; Aug. 21; v. 241; p. 703.
 Tie-forming machine, Wire-. A. M. Bates. No. 1,212,437; Jan. 16; v. 234; p. 775.
 Tie-guard and collar-button, Combined. M. L. Hawks. No. 1,217,173; Feb. 27; v. 235; p. 1075.
 Tie-holder. W. O. Johnson. No. 1,247,539; Nov. 20; v. 244; p. 773.
 Tie-loading machine. W. A. Flowers. No. 1,212,617; Jan. 16; v. 234; p. 839.
 Tie-mold. F. C. Shearer. No. 1,250,233; Dec. 18; v. 245; p. 593.
 Tie or spacer. G. S. Mumford. No. 1,238,695; Aug. 28; v. 241; p. 1118.
 Tie-plate. E. H. Bell. No. 1,219,224; Mar. 13; v. 236; p. 502.
 Tie-plate. T. S. Matsuoaka. No. 1,240,865; Sept. 25; v. 242; p. 775.
 Tie-plate. F. McLean. No. 1,231,038; June 26; v. 239; p. 1016.
 Tie-plate. C. A. Morse and E. H. Bell. No. 1,246,980; Nov. 20; v. 244; p. 614.
 Tie-plate. M. J. Nugent. No. 1,218,450; Mar. 6; v. 236; p. 194.
 Tie-plate. E. D. Swift. No. 1,247,898; Nov. 27; v. 244; p. 912.
 Tie-plate. R. Watanabe. No. 1,219,362; Mar. 13; v. 236; p. 548.
 Tie-plate. C. D. Young. No. 1,242,299; Oct. 9; v. 243; p. 305.
 Tie-plate and antispreading device. N. G. Ballard. No. 1,242,311; Oct. 9; v. 243; p. 308.
 Tie-plate and rail-brace, Combined. C. Motter. No. 1,246,773; Nov. 13; v. 244; p. 517.
 Tie-plates, Making. J. C. Dilworth. No. 1,236,062; Aug. 7; v. 241; p. 173.
 Tie-plug machine. H. G. Smart. No. 1,211,974; Jan. 9; v. 234; p. 586.
 Tie-press. A. Matthews. No. 1,221,886; Apr. 10; v. 237; p. 341.
 Tie-press. R. I. St. John. No. 1,247,593; Nov. 20; v. 244; p. 789.
 Tie-puller. S. Churchia. No. 1,247,224; Nov. 20; v. 244; p. 685.
 Tie-rack. N. Henninger, Jr. No. 1,249,393; Dec. 11; v. 245; p. 309.
 Tie-slip clip. D. F. Daly. No. 1,244,961; Oct. 30; v. 243; p. 1230.
 Tie-tamping machine. G. F. Weiss. No. 1,231,679; July 3; v. 240; p. 49.
 Tile and tiling composed thereof. J. A. Ferguson. No. 1,249,362; Dec. 11; v. 245; p. 301.
 Tile and wall, Building-. F. Dickey. No. 1,241,350; Sept. 25; v. 242; p. 927.
 Tile composition. P. C. Boving. No. 1,210,756; Jan. 2; v. 234; p. 130.
 Tile, Decorated. F. Alcan. No. 1,251,450; Dec. 25; v. 245; p. 1003.
 Tile, Drain-. B. H., O. A., and A. N. Reed. No. 1,220,891; Mar. 27; v. 236; p. 1149.
 Tile, Drainage-. A. E. Beall. No. 1,210,885; Jan. 2; v. 234; p. 174.
 Tile, Flat. O. O. Panengen. No. 1,249,662; Dec. 11; v. 245; p. 386.
 Tile, Floor-. H. N. Will. No. 1,225,908; May 15; v. 238; p. 712.
 Tile for reinforced-concrete floors, Hollow metal. G. B. Waite. No. 1,250,254; Dec. 18; v. 245; p. 599.
 Tile-forming apparatus. L. C. Nelson. No. 1,214,706; Feb. 6; v. 235; p. 79.
 Tile-forming machine. R. T. Cottam. No. 1,224,073; Apr. 24; v. 237; p. 1174.
 Tile-holder. C. W. Svendsen. No. 1,230,442; June 19; v. 239; p. 777.
 Tile, Interlocking. C. W. Waddell. No. 1,242,087; Oct. 2; v. 243; p. 196.
 Tile, Interlocking roofing-. G. P. Hughes and J. L. Armstrong. No. 1,226,888; May 22; v. 238; p. 1080.
 Tile-lifting device. C. Gohlke. No. 1,245,216; Nov. 6; v. 244; p. 23.
 Tile, Machine for making and laying underground. W. W. and J. S. Watson. No. 1,218,727; Mar. 13; v. 236; p. 329.
 Tile machine, Roofing-. C. B. Blaka. No. 1,250,084; Dec. 11; v. 245; p. 509.
 Tile-making machines, Multiple mold for. F. Gutteridge. No. 1,215,797; Feb. 13; v. 235; p. 497.

- Tile-mold. J. A. Ferguson. No. 1,244,484; Oct. 30; v. 243; p. 1084.
- Tile-mold. J. A. Ferguson. No. 1,244,845; Oct. 30; v. 243; p. 1194.
- Tile-press. W. E. Rivers. No. 1,219,778; Mar. 20; v. 236; p. 724.
- Tile-press, Hand-operated. H. D. Lillibridge. No. 1,238,415; Aug. 28; v. 241; p. 1031.
- Tile roof and laying the same. G. Larson. No. 1,248,349; Nov. 27; v. 244; p. 1038.
- Tile, Roofing-. E. Nottebohm. No. 1,237,687; Aug. 21; v. 241; p. 765.
- Tile-sizing machine. G. A. Stanbery. No. 1,210,557; Jan. 2; v. 234; p. 62.
- Tile-spraying chamber, Sanitary. H. D. Lillibridge. No. 1,223,810; Apr. 24; v. 237; p. 1087.
- Tile tool, Drain-. W. E. Keister. No. 1,237,788; Aug. 21; v. 241; p. 796.
- Tile, Valley-. H. Juengling. No. 1,217,459; Feb. 27; v. 235; p. 1174.
- Tiles, Former or die for making hollow. W. L. Hanley, Jr. No. 1,234,017; July 17; v. 240; p. 882.
- Tiling construction. C. Roeder. No. 1,241,885; Oct. 2; v. 243; p. 134.
- TILL, M. Perreten. No. 1,225,169; May 8; v. 238; p. 419.
- Tillage implement. W. P. Bonds, Jr. No. 1,249,008; Dec. 4; v. 245; p. 169.
- Tillage implements, Steering mechanism for. S. H. Tinsman. No. 1,230,539; June 19; v. 239; p. 810.
- Tilling implement. E. L. Woodard. No. 1,241,596; Oct. 2; v. 243; p. 42.
- Tilling-machine. A. T. Britton. No. 1,233,442; July 17; v. 240; p. 696.
- Tilling-machine. J. Fish. No. 1,226,493; May 15; v. 238; p. 910.
- Tilling-machine. C. H. McKee. No. 1,222,117; Apr. 10; v. 237; p. 420.
- Tilling-machine. K. V. von Meyenburg. No. 1,241,173; Sept. 25; v. 242; p. 870.
- Tilling-machine. W. C. Zelle. No. 1,230,261; June 19; v. 239; p. 718.
- Tilting-chair. H. W. Bolens. No. 1,245,181; Nov. 6; v. 244; p. 12.
- Timber and other material with a preservative, Impregnating. O. P. M. Goss. No. 1,219,388; Mar. 13; v. 236; p. 559.
- Timber-treating apparatus. H. A. Appel and D. Duncan. No. 1,220,164; Mar. 27; v. 236; p. 897.
- Timber-treating apparatus. E. F. Hartmann. No. 1,240,443; Sept. 18; v. 242; p. 612.
- Time and burglar alarm. W. G. Hubbs. No. 1,211,448; Jan. 9; v. 234; p. 401.
- Time-check board. W. G. Hook. No. 1,219,102; Mar. 13; v. 236; p. 460.
- Time-checking apparatus, Working-. K. A. R. Johanson. No. 1,235,519; July 31; v. 240; p. 1421.
- Time-controlled mechanism. C. Bargamin. No. 1,229,863; June 12; v. 239; p. 551.
- Time-controlled switch. G. R. Pyper. No. 1,221,216; Apr. 3; v. 237; p. 77.
- Time-controlled mechanism. M. J. Matthews. No. 1,240,749; Sept. 18; v. 242; p. 705.
- Time-controlling mechanism. H. H. Gerdes. No. 1,238,282; Aug. 28; v. 241; p. 988.
- Time-cost meter. J. T. Quigley. No. 1,220,273; Mar. 27; v. 236; p. 935.
- Time-limit tripping mechanism. G. Wolff. No. 1,250,746; Dec. 18; v. 245; p. 746.
- Time, Machine for indicating and recording elapsed. L. G. Zesbaugh. No. 1,231,108; June 26; v. 239; p. 1040.
- Time mechanism, Hour-striking. G. F. Friberg. No. 1,216,103; Feb. 13; v. 235; p. 609.
- Time-recorder. J. W. Bryce. No. 1,219,912; Mar. 20; v. 236; p. 771.
- Time-recorder. W. H. Bundy. No. 1,213,662; Jan. 23; v. 234; p. 1235.
- Time-recorder. W. D. Hawley. No. 1,240,203; Sept. 18; v. 242; p. 537.
- Time-recorder. W. F. Hitchcock and W. D. Hawley. No. 1,215,532; Feb. 13; v. 235; p. 401.
- Time-recorder. W. J. Landon. No. 1,236,321; Aug. 7; v. 241; p. 253.
- Time-recorder and recording elapsed time. H. T. Goss and J. W. Bryce. No. 1,218,995; Mar. 13; v. 236; p. 425.
- Time-recorder, Workman's. W. T. Geltz. No. 1,217,589; Feb. 27; v. 235; p. 1222.
- Time-recorder, Workman's. T. Ross. No. 1,221,600; Apr. 3; v. 237; p. 209.
- Time-recording mechanism. O. Aberegg. No. 1,234,708; July 31; v. 240; p. 1175.
- Time-recording register. H. B. McCabe. No. 1,215,683; Feb. 13; v. 235; p. 459.
- Time-service-controlling mechanism. J. R. Jackson and F. H. Davis. No. 1,220,340; Mar. 27; v. 236; p. 960.
- Time-switch. U. D. Fortier. No. 1,214,771; Feb. 6; v. 235; p. 100.
- Time-switch. H. C. Nicholas. No. 1,233,692; July 17; v. 240; p. 778.
- Time-switch, Automatic. R. B. Craig and A. E. Cox. No. 1,245,572; Nov. 6; v. 244; p. 130.
- Time-switch, Electric. E. C. Applegate and O. Smiley. No. 1,250,758; Dec. 18; v. 245; p. 749.
- Time-switch, Electric. G. M. Bacon. No. 1,224,887; May 8; v. 238; p. 323.
- Time-switch, Electric. G. E. Schindler. No. 1,227,326; May 22; v. 238; p. 1228.
- Timer. C. R. Holmes. No. 1,250,105; Dec. 11; v. 245; p. 515.
- Timer, distributor, and current-reversing device, Combined. J. H. Lehman. No. 1,251,249; Dec. 25; v. 245; p. 944.
- Timing device. W. H. Fibley. No. 1,246,580; Nov. 13; v. 244; p. 462.
- Timing device. P. M. Lincoln. No. 1,235,579; Aug. 7; v. 241; p. 17.
- Timing device. P. S. Luttrell. No. 1,213,516; Jan. 23; v. 234; p. 1185.
- Timing device. W. H. Moore. No. 1,228,347; May 29; v. 238; p. 1598.
- Timing mechanism. R. M. G. Phillips. No. 1,239,955; Sept. 11; v. 242; p. 423.
- Timing mechanism and apparatus involving the same. J. M. Keller, Jr. No. 1,215,166; Feb. 6; v. 235; p. 238.
- Tin-plate, Making. F. Mueller. No. 1,231,285; June 26; v. 239; p. 1099.
- Tins on binders, Device for nailing. M. B. Wible. No. 1,232,743; July 10; v. 240; p. 434.
- Tinning metal plates and other articles. C. Dreyman. No. 1,242,532; Oct. 9; v. 243; p. 378.
- Tints, Producing fast. G. Engl. No. 1,245,694; Nov. 6; v. 244; p. 168.
- Tipping-jack, Liquid-operated. C. Dewald. No. 1,237,309; Aug. 21; v. 241; p. 642.
- Tipple, Portable extension-. W. E. Sperry. No. 1,210,719; Jan. 2; v. 234; p. 119.
- Tire. J. Arn. No. 1,242,123; Oct. 9; v. 243; p. 249.
- Tire. M. E. Baxter. No. 1,237,155; Aug. 14; v. 241; p. 555.
- Tire. S. T. Bottenfield. No. 1,235,421; July 31; v. 240; p. 1391.
- Tire. W. T. Carey. No. 1,236,821; Aug. 14; v. 241; p. 450.
- Tire. J. H. Christian. No. 1,228,650; June 5; v. 239; p. 93.
- Tire. H. J. Doughty. No. 1,249,727; Dec. 11; v. 245; p. 406.
- Tire. T. V. Elliott. No. 1,226,320; May 15; v. 238; p. 856.
- Tire. F. F. Green. No. 1,247,262; Nov. 20; v. 244; p. 695.
- Tire. R. Grubb. No. 1,243,513; Oct. 16; v. 243; p. 718.
- Tire. C. W. Gutzzeit. No. 1,214,155; Jan. 30; v. 234; p. 1433.
- Tire. W. H. Hann. No. 1,251,017; Dec. 25; v. 245; p. 877.
- Tire. I. B. Irons. No. 1,233,478; July 17; v. 240; p. 709.
- Tire. I. N. Keim. No. 1,235,485; July 31; v. 240; p. 1410.
- Tire. O. A. Kottemann. No. 1,233,277; July 10; v. 240; p. 605.
- Tire. J. P. Larrimer. No. 1,239,278; Sept. 4; v. 242; p. 180.
- Tire. L. McKinnon. No. 1,226,899; May 22; v. 238; p. 1083.
- Tire. J. A. McTaggart. No. 1,216,826; Feb. 20; v. 235; p. 912.
- Tire. D. A. Messner. No. 1,233,278; July 10; v. 240; p. 605.
- Tire. D. A. Messner. No. 1,233,279; July 10; v. 240; p. 605.
- Tire. E. J. Oetter. No. 1,226,580; May 15; v. 238; p. 937.
- Tire. M. C. Overman. No. 1,211,958; Jan. 9; v. 234; p. 581.
- Tire. M. C. Overman. No. 1,223,727; Apr. 24; v. 237; p. 1056.
- Tire. W. C. Post. No. 1,219,350; Mar. 13; v. 236; p. 544.
- Tire. W. E. Pugh. No. 1,227,000; May 22; v. 238; p. 1120.
- Tire. W. N. Rettinger. No. 1,214,590; Feb. 6; v. 235; p. 37.
- Tire. W. J. Robinson. No. 1,250,510; Dec. 18; v. 245; p. 675.
- Tire. E. A. Saunders. No. 1,243,114; Oct. 16; v. 243; p. 598.
- Tire. J. Seadler. No. 1,249,284; Dec. 4; v. 245; p. 248.
- Tire. B. C. Seaton. No. 1,213,697; Jan. 23; v. 234; p. 1247.
- Tire. J. F. Sincage. No. 1,228,071; May 22; v. 238; p. 1509.
- Tire. N. Squier. No. 1,217,232; Feb. 27; v. 235; p. 1094.
- Tire. A. Teresa. No. 1,233,143; July 10; v. 240; p. 563.
- Tire. A. W. Torkington. No. 1,222,906; Apr. 17; v. 237; p. 739.
- Tire. J. T. Trotter. No. 1,213,557; Jan. 23; v. 234; p. 1201.
- Tire. A. E. Wale. No. 1,227,348; May 22; v. 238; p. 1235.
- Tire. H. N. Wayne. No. 1,235,861; Aug. 7; v. 241; p. 109.
- Tire-advertising device. S. K. Radkoff. No. 1,229,654; June 12; v. 239; p. 482.

Alphabetical list of inventions—Continued.

- Tire, Airless auto-. L. H. Patterson. No. 1,226,110; May 15; v. 238; p. 781.
- Tire, Airless vehicle-. D. H. Moore. No. 1,232,369; July 3; v. 240; p. 277.
- Tire-alarm device, Pneumatic-. L. E. Hawk. No. 1,230,071; June 12; v. 239; p. 616.
- Tire and baggage carrier, Combination-. W. W. Routzahn. No. 1,243,404; Nov. 27; v. 244; p. 1052.
- Tire and its attachment and detachment to and from wheels, Rubber. E. B. Killen. No. 1,225,973; May 15; v. 238; p. 733.
- Tire and luggage carrier. W. R. Green. No. 1,234,155; July 24; v. 240; p. 963.
- Tire and making the same. W. H. Dunkerley. No. 1,213,600; Jan. 23; v. 234; p. 1216.
- Tire and making the same, Cushion-. J. L. Swartz. No. 1,237,227; Aug. 14; v. 241; p. 577.
- Tire and producing same, Vehicle-. L. G. Marks. No. 1,250,920; Dec. 18; v. 245; p. 798.
- Tire and wheel carrier, Automobile. E. Egli. No. 1,251,200; Dec. 25; v. 245; p. 929.
- Tire and wheel, Resilient. W. D. Seal. No. 1,225,183; May 8; v. 238; p. 423.
- Tire, Antislipping. J. H. Lynn. No. 1,213,663; Jan. 23; v. 234; p. 1236.
- Tire, Antislipping armored pneumatic. C. L. Crow. No. 1,226,862; May 22; v. 238; p. 1071.
- Tire applying and removing tool. J. E. Ashbaugh and W. R. King. No. 1,233,012; July 10; v. 240; p. 520.
- Tire-armor. M. V. Batcheller. No. 1,234,118; July 24; v. 240; p. 950.
- Tire-armor. C. Campbell. No. 1,213,072; Jan. 16; v. 234; p. 997.
- Tire-armor. J. Coan. No. 1,243,657; Oct. 16; v. 243; p. 760.
- Tire-armor. W. Glidden. No. 1,247,393; Nov. 20; v. 244; p. 732.
- Tire-armor. W. McNames. No. 1,232,821; July 10; v. 240; p. 458.
- Tire-armor. J. D. Melchior. No. 1,251,401; Dec. 25; v. 245; p. 989.
- Tire-armor. J. D. Metcalf. No. 1,229,115; June 5; v. 239; p. 249.
- Tire-armor. D. Oatman. No. 1,241,006; Sept. 25; v. 242; p. 819.
- Tire-armor. W. H. Opitz. No. 1,234,075; July 17; v. 240; p. 900.
- Tire-armor. E. M. Russell. No. 1,243,633; Oct. 16; v. 243; p. 753.
- Tire-armor. D. C. Taylor. No. 1,250,710; Dec. 18; v. 245; p. 736.
- Tire-armor. W. G. Wagner. No. 1,241,792; Oct. 2; v. 243; p. 103.
- Tire-armor, Non-skidding. R. B. Thompson. No. 1,242,078; Oct. 2; v. 243; p. 193.
- Tire armor, Pneumatic-. W. G. Chilton and J. H. Hobgood. No. 1,243,040; Oct. 16; v. 243; p. 575.
- Tire armor, Pneumatic-. A. V. McCrimmon. No. 1,218,431; Mar. 6; v. 236; p. 189.
- Tire-armors, Connector for side chains of. F. G. Canfield. No. 1,245,678; Nov. 6; v. 244; p. 163.
- Tire, Armored. C. E. Peabody. No. 1,235,156; July 31; v. 240; p. 1311.
- Tire, Armored. N. P. Sjobring. No. 1,237,398; Aug. 21; v. 241; p. 672.
- Tire, Armored pneumatic. T. Duysens. No. 1,223,776; Apr. 24; v. 237; p. 1074.
- Tire, Auto-. W. F. Forsell. No. 1,246,736; Nov. 13; v. 244; p. 506.
- Tire, Auto-. G. Loffi. No. 1,220,653; Mar. 27; v. 236; p. 1068.
- Tire, Automobile-. O. J. Hicks. No. 1,223,049; Apr. 17; v. 237; p. 788.
- Tire, Automobile-. W. E. Kemmerich. No. 1,217,461; Feb. 27; v. 235; p. 1175.
- Tire, Automobile-. J. B. Lynch. No. 1,221,759; Apr. 3; v. 237; p. 262.
- Tire, Automobile-. I. Normandy. No. 1,231,931; July 3; v. 240; p. 132.
- Tire, Automobile-. J. C. Smith. No. 1,231,957; July 3; v. 240; p. 140.
- Tire-bands and tire-treads and for similar purposes, Machine for studding. W. A. Turpin and D. G. Snodgrass. No. 1,237,422; Aug. 21; v. 241; p. 679.
- Tire-bead. W. C. Stevens. No. 1,231,446; June 26; v. 239; p. 1153.
- Tire-body construction. P. E. Wirt. No. 1,228,630; June 5; v. 239; p. 87.
- Tire-bracket. D. M. Butler. No. 1,240,667; Sept. 18; v. 242; p. 680.
- Tire-builder's tool. W. Thompson. No. 1,230,947; June 26; v. 239; p. 984.
- Tire-building apparatus, Pneumatic-. P. and B. De Mattia. No. 1,225,593; May 8; v. 238; p. 563.
- Tire-building core. P. and B. De Mattia. No. 1,249,040; Dec. 4; v. 245; p. 177.
- Tire-building machine. G. F. Fisher. No. 1,228,196; May 29; v. 238; p. 1548.
- Tire-carasses, Method of and apparatus for applying rubber covers to. F. F. Brucker. No. 1,220,178; Mar. 27; v. 236; p. 902.
- Tire-carrier. F. Brosman. No. 1,244,417; Oct. 23; v. 243; p. 1026.
- Tire-carrier. W. R. Green. No. 1,250,161; Dec. 18; v. 245; p. 571.
- Tire-carrier. J. W. Jackson. No. 1,238,296; Aug. 28; v. 241; p. 994.
- Tire-carrier. J. A. Schmitz. No. 1,224,327; May 1; v. 238; p. 77.
- Tire-carrier. M. H. Stewart. No. 1,225,370; May 8; v. 238; p. 489.
- Tire carrier and cover, Combined. E. R. Draver. No. 1,211,377; Jan. 2; v. 234; p. 341.
- Tire carrier, Extra-. A. Hampeter. No. 1,240,340; Sept. 18; v. 242; p. 579.
- Tire carrier, Spare-. K. Feilcke. No. 1,234,646; July 24; v. 240; p. 1121.
- Tire carrier, Spare-. F. G. Parker. No. 1,215,976; Feb. 13; v. 235; p. 562.
- Tire-casing. T. P. Chrisomalis. No. 1,235,877; Aug. 7; v. 241; p. 114.
- Tire-casing. H. E. Grabau and A. C. Schwartz. No. 1,227,426; May 22; v. 238; p. 1259.
- Tire-casing. W. C. Riebe. No. 1,238,715; Aug. 28; v. 241; p. 1125.
- Tire-casing expander, Resilient. T. R. Felts. No. 1,214,768; Feb. 6; v. 235; p. 99.
- Tire-casing mold. W. H. Burritt. No. 1,214,888; Feb. 6; v. 235; p. 141.
- Tire casing or shoe. D. J. Demas. No. 1,228,001; May 29; v. 238; p. 1485.
- Tire-casings, Building cord. W. R. Denman. No. 1,210,434; Jan. 2; v. 234; p. 20.
- Tire-casings, Filler for. T. A. Sprague. No. 1,225,880; May 15; v. 238; p. 702.
- Tire-casings, Flexible closure for. P. Overman. No. 1,239,813; Sept. 11; v. 242; p. 378.
- Tire-casings, Forming. S. C. Rand. No. 1,248,713; Dec. 4; v. 245; p. 85.
- Tire-casings, Making. H. E. Grabau and A. C. Schwartz. No. 1,227,427; May 22; v. 238; p. 1259.
- Tire-casings, Making. J. D. Tew. No. 1,242,073; Oct. 2; v. 243; p. 191.
- Tire-casings, Making. J. D. Tew. No. 1,242,270; Oct. 9; v. 243; p. 295.
- Tire casings, Separable core for making pneumatic-. J. C. Lauritzen. No. 1,248,681; Dec. 4; v. 245; p. 74.
- Tire-chain. W. H. Brown. No. 1,233,971; July 17; v. 240; p. 868.
- Tire-chain. H. C. Davis. No. 1,219,088; Mar. 13; v. 236; p. 455.
- Tire-chain. C. W. Hodges. No. 1,229,613; June 12; v. 239; p. 468.
- Tire-chain lock. M. A. Wightman. No. 1,238,859; Sept. 4; v. 242; p. 45.
- Tire-chain, Non-skid. C. R. Standley. No. 1,213,290; Jan. 23; v. 234; p. 1106.
- Tire-chain retainer. J. T. Beranck. No. 1,244,018; Oct. 23; v. 243; p. 907.
- Tire-chain safety attachment. D. L. Rectenwald. No. 1,234,568; July 24; v. 240; p. 1097.
- Tire-chain tightener. W. I. Harp. No. 1,221,173; Apr. 3; v. 237; p. 61.
- Tire-clamp. L. E. Salvely, Jr. No. 1,226,270; May 15; v. 238; p. 839.
- Tire, Cord-. C. L. Archer. No. 1,219,420; Mar. 20; v. 236; p. 600.
- Tire, Cord-. C. L. Archer. No. 1,239,553; Sept. 11; v. 242; p. 294.
- Tire, Cord-. C. L. Archer. No. 1,243,576; Oct. 16; v. 243; p. 735.
- Tire-core. E. M. McCurry. No. 1,247,434; Nov. 20; v. 244; p. 744.
- Tire-core, Airless. C. B. Reynolds. No. 1,223,204; Apr. 17; v. 237; p. 842.
- Tire coupling, Pneumatic-. N. S. McEwen. No. 1,213,518; Jan. 23; v. 234; p. 1186.
- Tire cover, Automobile-. G. Riddle. No. 1,212,558; Jan. 16; v. 234; p. 818.
- Tire covers, Manufacturing pneumatic-. J. W. H. Dew. No. 1,228,099; May 29; v. 238; p. 1518.
- Tire, Cushion-. E. P. Conway. No. 1,217,568; Feb. 27; v. 235; p. 1213.
- Tire, Cushion-. D. G. Gunn. No. 1,211,144; Jan. 2; v. 234; p. 262.
- Tire, Cushion-. A. C. Hileman. No. 1,241,380; Sept. 25; v. 242; p. 937.
- Tire, Cushion-. F. Hickman. No. 1,244,209; Oct. 23; v. 243; p. 963.
- Tire, Cushion-. W. E. H. Humphrys. No. 1,248,863; Dec. 4; v. 245; p. 130.
- Tire, Cushion-. E. Mefford. No. 1,212,084; Jan. 9; v. 234; p. 619.
- Tire, Cushion-. R. D. Shirey. No. 1,236,490; Aug. 14; v. 241; p. 341.
- Tire, Cushion-. E. L. Suess. No. 1,237,574; Aug. 21; v. 241; p. 728.
- Tire-deflation signal. W. W. Robinson. No. 1,235,727; Aug. 7; v. 241; p. 63.
- Tire, Detachable. P. W. Anderson and J. T. Kennelly. No. 1,216,916; Feb. 20; v. 235; p. 942.
- Tire, Detachable vehicle-. E. J. Hahn. No. 1,245,335; Nov. 6; v. 244; p. 58.
- Tire, Elastic. R. Fukuda. No. 1,238,125; Aug. 28; v. 241; p. 936.

- Tire, Elastic vehicle-. L. R. Reeder. No. 1,215,577; Feb. 13; v. 235; p. 420.
- Tire, Elastic wheel-. R. Bunzlau and C. L. Stoll. No. 1,213,834; Jan. 30; v. 234; p. 1324.
- Tire, Emergency-. J. G. Poe. No. 1,251,277; Dec. 25; v. 245; p. 952.
- Tire, Emergency-. H. C. Struchen. No. 1,248,947; Dec. 4; v. 245; p. 152.
- Tire, Expanded. R. Moskowit. No. 1,217,486; Feb. 27; v. 235; p. 1184.
- Tire, Fabric. R. M. Merriman. No. 1,213,929; Jan. 30; v. 234; p. 1356.
- Tire fabric and making the same. G. F. Fisher. No. 1,224,878; May 1; v. 238; p. 270.
- Tire fabric, Making. E. A. Pye. No. 1,217,879; Feb. 27; v. 235; p. 1319.
- Tire fabrics, Anchoring means for. B. L. Stowe. No. 1,228,144; May 29; v. 238; p. 1532.
- Tire-fastening device. F. P. Johnson. No. 1,222,211; Apr. 10; v. 237; p. 454.
- Tire-fastening device. F. P. Johnson. No. 1,230,902; June 26; v. 239; p. 968.
- Tire-fastening device, Automobile-. G. Skarle. No. 1,227,330; May 22; v. 238; p. 1229.
- Tire fastening, Resilient-. E. J. Oetter. No. 1,250,633; Dec. 18; v. 245; p. 713.
- Tire-filler. R. B. Bostwick. No. 1,232,887; July 10; v. 240; p. 481.
- Tire-filling composition. C. C. Turner. No. 1,216,249; Feb. 13; v. 235; p. 660.
- Tire for automobiles, Airless. E. P. Mayhew. No. 1,251,077; Dec. 25; v. 245; p. 894.
- Tire for vehicle-wheels, Cushion-. H. M. Lambert. No. 1,225,042; May 8; v. 238; p. 377.
- Tire for vehicles and making same. J. Huebner. No. 1,227,791; May 29; v. 238; p. 1413.
- Tire for vehicles and making the same, Pneumatic. I. S. McGiehan. No. 1,225,344; May 8; v. 238; p. 480.
- Tire for vehicles, Cushion-. J. F. White. No. 1,213,719; Jan. 23; v. 234; p. 1254.
- Tire for vehicles, Cushion-. J. F. White. No. 1,245,413; Nov. 6; v. 244; p. 81.
- Tire for vehicles, Metallic cushion-. R. Reyes. No. 1,233,331; July 17; v. 240; p. 658.
- Tire for vehicles, Spring-. A. A. Firestone. No. 1,228,010; May 29; v. 238; p. 1488.
- Tire for wheels, Shock-absorbing metallic. J. M. Waugh. No. 1,210,740; Jan. 2; v. 234; p. 125.
- Tire-forming apparatus. R. T. Griffith. No. 1,215,648; Feb. 13; v. 235; p. 446.
- Tire, Four-ply lock-cord. R. M. Merriman. No. 1,221,888; Apr. 10; v. 237; p. 342.
- Tire-gage. A. E. Pollock. No. 1,219,865; Mar. 20; v. 236; p. 754.
- Tire-gage. J. A. Robertson. No. 1,218,119; Mar. 6; v. 236; p. 81.
- Tire grinding and truing machine. J. C. Price. No. 1,218,459; Mar. 6; v. 236; p. 198.
- Tire grip, Automobile-. P. Smith. No. 1,239,312; Sept. 4; v. 242; p. 190.
- Tire grip, Dual-. W. B. Lashar. No. 1,216,464; Feb. 20; v. 235; p. 788.
- Tire-grip, Non-skid. H. D. Greene. No. 1,241,621; Oct. 2; v. 243; p. 50.
- Tire-guard. O. H. Brown. No. 1,212,448; Jan. 16; v. 234; p. 779.
- Tire-guard. E. E. A. Wild. No. 1,230,255; June 19; v. 239; p. 716.
- Tire guard, Non-skidable. L. Ciaffone. No. 1,221,511; Apr. 3; v. 237; p. 180.
- Tire-holder. K. A. Bower. No. 1,231,480; June 26; v. 239; p. 1163.
- Tire-holder. G. G. Buckland. No. 1,239,254; Sept. 4; v. 242; p. 172.
- Tire-holder. C. Weiland. No. 1,233,628; July 17; v. 240; p. 759.
- Tire-holder, Cardboard. A. Dietsche. No. 1,233,454; July 17; v. 240; p. 701.
- Tire holder particularly adapted to clencher-tires, Automobile-. J. C. Inman. No. 1,224,548; May 1; v. 238; p. 155.
- Tire holder, Spare-. W. P. Hammond. No. 1,223,786; Apr. 24; v. 237; p. 1077.
- Tire holder, Spare-. J. D. McRae. No. 1,212,079; Jan. 9; v. 234; p. 618.
- Tire-holding device. C. E. Striffler. No. 1,234,409; July 24; v. 240; p. 1047.
- Tire inflator, Pneumatic-. M. Buzzard. No. 1,222,520; Apr. 10; v. 237; p. 563.
- Tire-inflating apparatus. L. E. Guess. No. 1,226,507; May 15; v. 238; p. 914.
- Tire-inflating apparatus. G. F. Steedman. No. 1,239,737; Sept. 11; v. 242; p. 353.
- Tire-inflating device. A. H. Randall. No. 1,246,464; Nov. 13; v. 244; p. 427.
- Tire-inflating device for vehicle-wheels, Automatic. S. T. Shults. No. 1,228,610; June 5; v. 239; p. 81.
- Tire, Inner. J. H. Grube. No. 1,217,754; Feb. 27; v. 235; p. 1278.
- Tire inner tube. G. T. Stott and T. J. Heafey. No. 1,245,524; Nov. 6; v. 244; p. 116.
- Tire-inspecting machine. W. H. Robertson. No. 1,244,245; Oct. 23; v. 243; p. 974.
- Tire jacket, Vehicle-. A. S. Anderson. No. 1,228,355; May 29; v. 238; p. 1601.
- Tire, Key-block demountable truck-. W. J. Roepke. No. 1,246,324; Nov. 13; v. 244; p. 384.
- Tire leak-alarm, Pneumatic-. E. J. F. Quirin and G. A. Payne. No. 1,238,567; Aug. 28; v. 241; p. 1082.
- Tire, Leather automobile-. A. Cohn. No. 1,232,657; July 10; v. 240; p. 404.
- Tire-lock, Permutation. I. E. Jackson. No. 1,240,146; Sept. 11; v. 242; p. 478.
- Tire-machine. W. O. Gottwals. No. 1,248,645; Dec. 4; v. 245; p. 64.
- Tire-machine. F. W. Kremer. No. 1,230,415; June 19; v. 239; p. 767.
- Tire-making machine. F. W. Kremer. No. 1,243,076; Oct. 16; v. 243; p. 588.
- Tire-making machines, Web-tensioning device for. F. H. Grove. No. 1,218,763; Mar. 13; v. 236; p. 342.
- Tire, Metal-studded. J. R. Gammeter. No. 1,214,537; Feb. 6; v. 235; p. 20.
- Tire, Metallic spring-. W. H. Henschen. No. 1,210,647; Jan. 2; v. 234; p. 94.
- Tire-mileage register. A. D. Shaw. No. 1,238,205; Aug. 28; v. 241; p. 963.
- Tire-mold. M. C. Overman. No. 1,223,726; Apr. 24; v. 237; p. 1056.
- Tire-mold. D. C. Roberts. No. 1,233,810; July 17; v. 240; p. 815.
- Tire-mounting chuck. W. C. Tyler and G. B. Heffelfinger. No. 1,251,138; Dec. 25; v. 245; p. 912.
- Tire, Non-skid. A. Rich. No. 1,226,254; May 15; v. 238; p. 833.
- Tire, Non-skid. J. L. Swartz. No. 1,215,216; Feb. 6; v. 235; p. 256.
- Tire or casing spreading tool. J. B. Stroud. No. 1,211,005; Jan. 2; v. 234; p. 217.
- Tire or demountable-rim carrier for automobiles, Extra-. W. W. Sabin. No. 1,238,200; Aug. 28; v. 241; p. 962.
- Tire overshoe, Pneumatic-wheel-. S. Wiesenber and S. Lustig. No. 1,250,742; Dec. 18; v. 245; p. 745.
- Tire-patch. H. B. and I. G. Ferguson. No. 1,211,427; Jan. 9; v. 234; p. 394.
- Tire-patch. W. L. Wayrynen. No. 1,224,248; May 1; v. 238; p. 48.
- Tire-patch and making the same. J. G. Moomy. No. 1,211,867; Jan. 9; v. 234; p. 547.
- Tire-patch clamp. H. Bretthauer. No. 1,220,819; Mar. 27; v. 236; p. 1126.
- Tire patch, Pneumatic-. J. G. Moomy. No. 1,219,577; Mar. 20; v. 236; p. 655.
- Tire patch, Pneumatic-. J. G. Moomy. No. 1,219,578; Mar. 20; v. 236; p. 655.
- Tire-plug. R. W. Sampson. No. 1,215,582; Feb. 13; v. 235; p. 421.
- Tire-plug. R. W. Sampson. No. 1,215,719; Feb. 13; v. 235; p. 471.
- Tire-plug. R. W. Sampson. No. 1,221,479; Apr. 3; v. 237; p. 168.
- Tire-plug. R. W. Sampson. No. 1,221,912; Apr. 10; v. 237; p. 350.
- Tire, Pneumatic. J. C. Barker. No. 1,244,447; Oct. 23; v. 243; p. 1034.
- Tire, Pneumatic. H. Brown. No. 1,213,735; Jan. 23; v. 234; p. 1259.
- Tire, Pneumatic. J. H. Brown. No. 1,238,099; Aug. 28; v. 241; p. 928.
- Tire, Pneumatic. J. F. Chauvin. No. 1,225,770; May 15; v. 238; p. 665.
- Tire, Pneumatic. E. E. Cole. No. 1,239,886; Sept. 11; v. 242; p. 402.
- Tire, Pneumatic. S. T. Davis. No. 1,248,089; Nov. 27; v. 244; p. 964.
- Tire, Pneumatic. F. S. Dickinson. No. 1,234,142; July 24; v. 240; p. 958.
- Tire, Pneumatic. F. S. Dickinson. No. 1,234,143; July 24; v. 240; p. 958.
- Tire, Pneumatic. F. S. Dickinson. No. 1,235,963; Aug. 7; v. 241; p. 142.
- Tire, Pneumatic. J. Drummond, C. and F. Spuhel. No. 1,233,853; July 17; v. 240; p. 830.
- Tire, Pneumatic. W. C. Geer. No. 1,214,670; Feb. 6; v. 235; p. 67.
- Tire, Pneumatic. B. Granville. No. 1,213,096; Jan. 10; v. 234; p. 1005.
- Tire-protector. R. C. Greenerd. No. 1,251,014; Dec. 25; v. 245; p. 876.
- Tire, Pneumatic. J. E. Haines. No. 1,233,464; July 17; v. 240; p. 704.
- Tire, Pneumatic. V. Hensley. No. 1,229,264; June 12; v. 239; p. 349.
- Tire, Pneumatic. O. P. Hoyt. No. 1,231,612; July 3; v. 240; p. 25.
- Tire, Pneumatic. C. A. Johnson. No. 1,244,337; Oct. 23; v. 243; p. 1003.
- Tire, Pneumatic. D. E. Johnson. No. 1,240,051; Sept. 11; v. 242; p. 450.
- Tire, Pneumatic. W. E. King. No. 1,214,321; Jan. 30; v. 234; p. 1493.
- Tire, Pneumatic. F. C. Otto. No. 1,223,724; Apr. 24; v. 237; p. 1055.
- Tire, Pneumatic. J. E. Peden. No. 1,230,508; June 19; v. 239; p. 800.
- Tire, Pneumatic. A. F. Ruthven. No. 1,215,717; Feb. 13; v. 235; p. 470.

Alphabetical list of inventions—Continued.

- Tire, Pneumatic. K. H. Schmidt. No. 1,226,703; May 22; v. 238; p. 1016.
- Tire, Pneumatic. O. Schutz. No. 1,216,851; Feb. 20; v. 235; p. 920.
- Tire, Pneumatic. O. Schutz. No. 1,232,100; July 3; v. 240; p. 191.
- Tire, Pneumatic. L. Wenzel, Jr. No. 1,248,045; Nov. 27; v. 244; p. 951.
- Tire, Pneumatic cord. C. L. Archer. No. 1,211,035; Jan. 2; v. 234; p. 228.
- Tire, Pneumatic or elastic wheel. G. W. Beldam and A. U. B. Ryall. No. 1,200,934; Mar. 27; v. 236; p. 1162.
- Tire-pressure gage, Pneumatic. C. Harrison and K. Lamond. No. 1,214,781; Feb. 6; v. 235; p. 104.
- Tire pressure-gage, Pneumatic. C. Harrison and K. Lamond. No. 1,237,512; Aug. 21; v. 241; p. 708.
- Tire-protector. J. R. Cabanne. No. 1,214,273; Jan. 30; v. 234; p. 1475.
- Tire-protector. H. R. Decker. No. 1,221,978; Apr. 10; v. 237; p. 373.
- Tire-protector. G. P. F. Eckert. No. 1,229,244; June 12; v. 239; p. 342.
- Tire-protector. A. T. Laney. No. 1,216,141; Feb. 13; v. 235; p. 623.
- Tire-protector. L. H. Lloyd. No. 1,229,104; June 5; v. 239; p. 245.
- Tire-protector. W. C. Logan. No. 1,211,192; Jan. 2; v. 234; p. 279.
- Tire, Resilient. N. W. McLeod. No. 1,249,649; Dec. 11; v. 245; p. 383.
- Tire-protector. B. Mermelstein. No. 1,227,289; May 22; v. 238; p. 1216.
- Tire-protector. L. and I. Meyers and H. Weaderhorn. No. 1,247,560; Nov. 20; v. 244; p. 779.
- Tire-protector. A. W. Neff. No. 1,211,214; Jan. 2; v. 234; p. 287.
- Tire-protector. E. S. Stalker. No. 1,224,803; May 1; v. 238; p. 243.
- Tire-protector. J. B. Velis. No. 1,224,341; May 1; v. 238; p. 82.
- Tire-protector for motor-vehicles. G. A. Faber. No. 1,219,447; Mar. 20; v. 236; p. 609.
- Tire protector, Motor-car. J. W. Rooney. No. 1,231,430; June 26; v. 239; p. 1148.
- Tire-protector, Non-skid. T. J. Reed. No. 1,244,080; Oct. 23; v. 243; p. 925.
- Tire protector, Pneumatic. H. Hortenstine. No. 1,247,534; Nov. 20; v. 244; p. 772.
- Tire protector, Pneumatic. J. W. Smith. No. 1,242,484; Oct. 9; v. 243; p. 363.
- Tire punching and setting machine. F. J. Schumann. No. 1,219,170; Mar. 13; v. 236; p. 483.
- Tire, Puncture-proof pneumatic. G. Auberlin. No. 1,229,861; June 12; v. 239; p. 550.
- Tire, Puncture-proof spring. W. McCall, M. O'Sullivan, and E. C. McCall. No. 1,217,124; Feb. 20; v. 235; p. 1014.
- Tire-punctures and the like, Composition for sealing. R. Garza. No. 1,247,814; Nov. 27; v. 244; p. 888.
- Tire-punctures, Healing compound for closing. A. C. Cline, A. H. Crowell, and C. M. McCorkle. No. 1,233,753; July 17; v. 240; p. 797.
- Tire-rack, Automobile. E. Downing. No. 1,233,324; July 17; v. 240; p. 656.
- Tire-rack, Automobile. E. Downing. No. 1,233,325; July 17; v. 240; p. 657.
- Tire, Reinforced spring. J. F. Carroll. No. 1,243,259; Oct. 16; v. 243; p. 641.
- Tire-reinforcing device, Pneumatic. E. J. Kreis. No. 1,229,096; June 5; v. 239; p. 242.
- Tire-remover. A. C. Hartman. No. 1,220,107; Mar. 20; v. 236; p. 840.
- Tire-remover. R. H. Kutschenreuter. No. 1,242,354; Oct. 9; v. 243; p. 321.
- Tire-remover. A. Lew. No. 1,243,534; Oct. 16; v. 243; p. 723.
- Tire remover and replacer. A. N. Mason. No. 1,215,680; Feb. 13; v. 235; p. 457.
- Tire removing and applying device. G. L. Kavanagh. No. 1,217,069; Feb. 20; v. 235; p. 974.
- Tire-removing tool. C. A. Boyd. No. 1,239,454; Sept. 11; v. 242; p. 263.
- Tire-removing tool. C. A. and J. R. Peterson. No. 1,238,050; Aug. 21; v. 241; p. 879.
- Tire-repair method. W. M. Rand. No. 1,241,553; Oct. 2; v. 243; p. 28.
- Tire-repairing tool. C. Dierig. No. 1,215,349; Feb. 13; v. 235; p. 336.
- Tire-replacer. J. W. Getzendaner. No. 1,223,689; Apr. 24; v. 237; p. 1044.
- Tire, Resilient. F. W. Battershall. No. 1,242,640; Oct. 9; v. 243; p. 413.
- Tire, Resilient. W. E. Catkins. No. 1,246,713; Nov. 13; v. 244; p. 499.
- Tire, Resilient. L. E. Clawson. No. 1,214,137; Jan. 30; v. 234; p. 1427.
- Tire, Resilient. J. V. Dewald. No. 1,228,539; June 5; v. 239; p. 56.
- Tire, Resilient. C. F. Erickson. No. 1,228,305; May 29; v. 238; p. 1583.
- Tire, Resilient. A. M. Ferguson. No. 1,232,906; July 10; v. 240; p. 487.
- Tire, Resilient. W. A. Frye, F. H. Chinn, and R. F. Burnett. No. 1,243,503; Oct. 16; v. 243; p. 714.
- Tire, Resilient. W. H. Hancock. No. 1,216,988; Feb. 20; v. 235; p. 967.
- Tire, Resilient. P. Haun. No. 1,233,351; July 17; v. 240; p. 665.
- Tire, Resilient. E. S. Jones. No. 1,241,852; Oct. 2; v. 243; p. 123.
- Tire, Resilient. J. B. Jones. No. 1,243,303; Oct. 16; v. 243; p. 655.
- Tire, Resilient. L. H. Klockslem. No. 1,214,174; Jan. 30; v. 234; p. 1439.
- Tire, Resilient. V. Lock. No. 1,234,048; July 17; v. 240; p. 891.
- Tire, Resilient. W. MacNeece. No. 1,230,588; June 19; v. 239; p. 827.
- Tire, Resilient. G. F. Mallaby. No. 1,214,566; Feb. 6; v. 235; p. 29.
- Tire, Resilient. T. T. Miller. No. 1,243,328; Oct. 16; v. 243; p. 663.
- Tire, Resilient. A. E. Molin. No. 1,217,619; Feb. 27; v. 235; p. 1233.
- Tire, Resilient. H. A. Naylor. No. 1,211,869; Jan. 9; v. 234; p. 547.
- Tire, Resilient. J. A. Olinger. No. 1,242,846; Oct. 9; v. 243; p. 479.
- Tire, Resilient. O. K. Purdy. No. 1,232,971; July 10; v. 240; p. 508.
- Tire, Resilient. A. L. Runyan. No. 1,221,380; Apr. 3; v. 237; p. 133.
- Tire, Resilient. A. L. Runyan. No. 1,221,381; Apr. 3; v. 237; p. 133.
- Tire, Resilient. A. L. Runyan. No. 1,227,495; May 22; v. 238; p. 1282.
- Tire, Resilient. S. Suss. No. 1,229,166; June 5; v. 239; p. 265.
- Tire, Resilient. H. O. Tabbitts. No. 1,232,998; July 10; v. 240; p. 516.
- Tire, Resilient. W. P. Tighe. No. 1,222,496; Apr. 10; v. 237; p. 556.
- Tire, Resilient. R. V. Wagner. No. 1,249,695; Dec. 11; v. 245; p. 397.
- Tire, Resilient. J. S. Williams. No. 1,250,405; Dec. 18; v. 245; p. 645.
- Tire, Resilient. E. A. Wilson. No. 1,245,296; Nov. 6; v. 244; p. 46.
- Tire, Resilient metallic. C. J. Holmes. No. 1,232,547; July 10; v. 240; p. 369.
- Tire, Resilient wheel. S. E. and C. D. Erhard. No. 1,230,141; June 19; v. 239; p. 678.
- Tire-rim. S. P. Michael. No. 1,235,360; July 31; v. 240; p. 1373.
- Tire-rim. H. Stinemetts. No. 1,223,635; Apr. 24; v. 237; p. 1024.
- Tire-rim, Demountable. I. D. Walter. No. 1,240,162; Sept. 11; v. 242; p. 484.
- Tire-rim detacher. T. R. Snyder. No. 1,227,011; May 22; v. 238; p. 1124.
- Tire-rim manipulator. A. A. Friestedt. No. 1,235,308; July 31; v. 240; p. 1358.
- Tire-rim setter. V. C. McLain. No. 1,218,881; Mar. 13; v. 236; p. 386.
- Tire-rim tool. R. A. Best. No. 1,211,662; Jan. 9; v. 234; p. 473.
- Tire-rim tool. R. A. Best. No. 1,211,663; Jan. 9; v. 234; p. 474.
- Tire-rim tool. A. A. Friestedt. No. 1,233,660; July 17; v. 240; p. 769.
- Tire-rims, Operating-tool for split. E. O. Collins. No. 1,234,631; July 24; v. 240; p. 1116.
- Tire, Rubber. J. A. Swinehart. No. 1,234,821; July 31; v. 240; p. 1208.
- Tire, Rubber spring. M. A. Walker and C. C. Moore. No. 1,227,024; May 22; v. 238; p. 1127.
- Tire-saving device for automobiles. M. P. Appell. No. 1,246,838; Nov. 20; v. 244; p. 573.
- Tire, Sectional cushion. E. T. Griffith. No. 1,241,845; Oct. 2; v. 243; p. 120.
- Tire-securing device. B. B. Brosvik. No. 1,235,546; Aug. 7; v. 241; p. 5.
- Tire setter, Cold. B. P. Harrington. No. 1,213,099; Jan. 16; v. 234; p. 1007.
- Tire-shield. C. A. Hoskins and J. L. Metier. No. 1,245,232; Nov. 6; v. 244; p. 28.
- Tire-shield. L. Koenig. No. 1,228,447; June 5; v. 239; p. 24.
- Tire-shoe. W. L. Christian and P. Barker. No. 1,222,070; Apr. 10; v. 237; p. 404.
- Tire-shoe. A. E. Powell. No. 1,213,410; Jan. 23; v. 234; p. 1148.
- Tire-shoe-making machine. F. W. Kremer. No. 1,216,329; Feb. 20; v. 235; p. 739.
- Tire shoe or casing. G. S. Van Voorhis. No. 1,236,506; Aug. 14; v. 241; p. 346.
- Tire-shoes, Apparatus for vulcanizing. H. Z. Cobb. No. 1,214,277; Jan. 30; v. 234; p. 1476.
- Tire-shoes, Mandrel for vulcanizing. H. Z. Cobb. No. 1,249,033; Dec. 4; v. 245; p. 176.
- Tire-shoes, Manufacture of. H. Z. Cobb. No. 1,211,918; Jan. 9; v. 234; p. 565.
- Tire side chains, Coupling device for. W. H. Williams. No. 1,223,546; Apr. 24; v. 237; p. 992.

- Tire signal, Flat-. D. D. Getman. No. 1,228,204; May 29; v. 238; p. 1550.
- Tire signal pressure-gage, Auto-. G. F. Diamond and E. T. Richards. No. 1,215,782; Feb. 13; v. 235; p. 492.
- Tire skeletons, Apparatus for making cord-. N. W. McLeod. No. 1,250,916; Dec. 18; v. 245; p. 797.
- Tire-skiver. B. E. Maxwell. No. 1,236,963; Aug. 14; v. 241; p. 495.
- Tire, Solid elastic. A. Nixon. No. 1,221,083; Apr. 3; v. 237; p. 28.
- Tire, Spring-. W. A. Anglemeyer. No. 1,244,276; Oct. 23; v. 243; p. 985.
- Tire, Spring-. I. S. Beeson. No. 1,225,210; May 8; v. 238; p. 432.
- Tire, Spring-. C. R. Craig and W. Freeman. No. 1,231,498; June 26; v. 239; p. 1168.
- Tire, Spring-. S. L. Filson. No. 1,212,036; Jan. 9; v. 234; p. 605.
- Tire, Spring-. A. A. Firestone. No. 1,240,432; Sept. 18; v. 242; p. 608.
- Tire, Spring-. J. A. Hodam. No. 1,219,555; Mar. 20; v. 236; p. 648.
- Tire, Spring-. I. James. No. 1,232,320; July 3; v. 240; p. 262.
- Tire, Spring-. J. D. Tipple. No. 1,222,905; Apr. 17; v. 237; p. 738.
- Tire, Spring-. K. P. Togstad. No. 1,226,414; May 15; v. 238; p. 885.
- Tire, Spring-. A. Vanblom. No. 1,241,453; Sept. 25; v. 242; p. 958.
- Tire, Steel auto-. C. Dam and J. E. Markley. No. 1,221,694; Apr. 3; v. 237; p. 240.
- Tire-stitching machine. F. F. Brucker. No. 1,218,627; Mar. 13; v. 236; p. 293.
- Tire-stitching machine. R. Griffith. No. 1,212,207; Jan. 16; v. 234; p. 691.
- Tire-strip-forming machines, Flexible core for. J. T. Lister. No. 1,233,073; July 10; v. 240; p. 540.
- Tire-stripping machine. W. C. Stevens. No. 1,211,256; Jan. 2; v. 234; p. 304.
- Tire structure. P. M. Devenis. No. 1,245,090; Oct. 30; v. 243; p. 1268.
- Tire structure. A. Schreiber. No. 1,249,517; Dec. 11; v. 245; p. 345.
- Tire structure, Armored. C. W. Stewart. No. 1,236,227; Aug. 7; v. 241; p. 226.
- Tire structure, Resilient-. C. and J. Uhrincz. No. 1,232,127; July 3; v. 240; p. 201.
- Tire-tool. F. W. Coffman. No. 1,220,956; Mar. 27; v. 236; p. 1170.
- Tire-tool. D. De Vine. No. 1,234,141; July 24; v. 240; p. 958.
- Tire-tool. C. W. Doyle and C. F. Rothwell. No. 1,238,649; Aug. 28; v. 241; p. 1107.
- Tire-tool. W. E. Goodrich. No. 1,211,571; Jan. 9; v. 234; p. 443.
- Tire-tool. I. H. Hodges. No. 1,216,995; Feb. 20; v. 235; p. 970.
- Tire-tool. W. A. Kinsolving. No. 1,217,777. Feb. 27; v. 235; p. 1285.
- Tire-tool. C. B. Mansbach. No. 1,220,659; Mar. 27; v. 236; p. 1071.
- Tire-tool. C. E. Pierce. No. 1,237,553; Aug. 21; v. 241; p. 721.
- Tire-tool. M. H. Stewart. No. 1,213,967; Jan. 30; v. 234; p. 1369.
- Tire-tool for automobiles. H. C. Hughes. No. 1,250,180; Dec. 18; v. 245; p. 577.
- Tire-tread. J. Blair, Jr. No. 1,250,781; Dec. 18; v. 245; p. 756.
- Tire-tread. R. M. Callaway. No. 1,244,026; Oct. 23; v. 243; p. 910.
- Tire-tread. M. E. Fox, R. L. Ryan, and C. M. Sawyer. No. 1,235,458; July 31; v. 240; p. 1401.
- Tire-tread. M. Nace. No. 1,226,358; May 15; v. 238; p. 867.
- Tire-tread, Demountable. R. B. Hartman. No. 1,234,331; July 24; v. 240; p. 1020.
- Tire-tread fastener. L. S. Morse. No. 1,238,553; Aug. 28; v. 241; p. 1077.
- Tire-tread, Resilient. B. C. Hamm. No. 1,210,933; Jan. 2; v. 234; p. 191.
- Tire-tube protector. J. T. Tooloose. No. 1,235,080; July 31; v. 240; p. 1290.
- Tire-tube valve, Pneumatic-. S. C. Sladden. No. 1,232,726; July 10; v. 240; p. 428.
- Tire-tubing-machine die. W. R. Gates. No. 1,245,898; Nov. 6; v. 244; p. 229.
- Tire-valve. J. A. Bowden. No. 1,214,004; Jan. 30; v. 234; p. 1383.
- Tire-valve. O. F. R. Bromberg. No. 1,249,591; Dec. 11; v. 245; p. 366.
- Tire-valve. I. W. Cole. No. 1,245,873; Nov. 6; v. 244; p. 221.
- Tire-valve. E. E. Holt. No. 1,244,330; Oct. 23; v. 243; p. 1000.
- Tire-valve. W. A. Kelly. No. 1,223,179; Apr. 17; v. 237; p. 834.
- Tire-valve. T. W. Morris. No. 1,232,592; July 10; v. 240; p. 383.
- Tire-valve. E. V. Myers. No. 1,231,548; June 26; v. 239; p. 1184.
- Tire-valve. A. B. Norwalk. No. 1,223,344; Apr. 17; v. 237; p. 887.
- Tire-valve. A. B. Norwalk. No. 1,223,345; Apr. 17; v. 237; p. 888.
- Tire-valve. M. C. Schweinert and H. P. Kraft. No. 1,211,769; Jan. 9; v. 234; p. 510.
- Tire-valve. M. C. Schweinert and J. Volckhausen. No. 1,216,853; Feb. 20; v. 235; p. 921.
- Tire valve and alarm. A. A. Dennis. No. 1,244,181; Oct. 23; v. 243; p. 954.
- Tire-valve and pressure-governor, Combined. G. F. Marston. No. 1,246,131; Nov. 13; v. 244; p. 325.
- Tire valve and signal. W. F. Downs. No. 1,236,411; Aug. 14; v. 241; p. 314.
- Tire-valve cap. W. Miller. No. 1,223,716; Apr. 24; v. 237; p. 1052.
- Tire valve, Pneumatic-. O. Schutz. No. 1,211,245; Jan. 2; v. 234; p. 300.
- Tire-valve-unseating device. W. A. Williams. No. 1,225,910; May 15; v. 238; p. 712.
- Tire valves, Device for connecting air-hose to pneumatic-. C. W. Beck. No. 1,211,887; Jan. 9; v. 234; p. 381.
- Tire-valves, Dust-cap for. H. P. Kraft. No. 1,245,927; Nov. 6; v. 244; p. 237.
- Tire-valves, Valve-unseating clip for. L. Fowler. No. 1,240,040; Sept. 11; v. 242; p. 447.
- Tire, Vehicle-. F. Fitzharris. No. 1,214,291; Jan. 30; v. 234; p. 1481.
- Tire, Vehicle-. F. Funderburg. No. 1,234,004; July 17; v. 240; p. 878.
- Tire, Vehicle-. C. F. A. Gray. No. 1,213,476; Jan. 23; v. 234; p. 1172.
- Tire, Vehicle-. M. Gray and B. Harris. No. 1,222,283; Apr. 10; v. 237; p. 480.
- Tire, Vehicle-. J. S. Green. No. 1,218,548; Mar. 6; v. 236; p. 227.
- Tire, Vehicle-. I. M. and N. R. Haas and B. V. Myers. No. 1,224,920; May 8; v. 238; p. 335.
- Tire, Vehicle-. H. M. Horne. No. 1,240,793; Sept. 18; v. 242; p. 719.
- Tire, Vehicle-. P. E. King and G. J. Wittmann. No. 1,220,516; Mar. 27; v. 236; p. 1021.
- Tire, Vehicle-. W. T. and J. M. Lupton and J. W. Jolliffe. No. 1,212,973; Jan. 16; v. 234; p. 964.
- Tire, Vehicle-. C. M. Manly. No. 1,223,816; Apr. 24; v. 237; p. 1089.
- Tire, Vehicle-. F. C. Mercur. No. 1,249,985; Dec. 11; v. 245; p. 481.
- Tire, Vehicle-. E. W. Mighell. No. 1,234,682; July 24; v. 240; p. 1132.
- Tire, Vehicle-. M. T. Miles. No. 1,251,082; Dec. 25; v. 245; p. 895.
- Tire, Vehicle-. J. Monson. No. 1,248,149; Nov. 27; v. 244; p. 981.
- Tire, Vehicle-. G. A. Mortier. No. 1,247,988; Nov. 27; v. 244; p. 937.
- Tire, Vehicle-. E. W. Russey, H. J. and J. R. Coyle. No. 1,215,414; Feb. 13; v. 235; p. 358.
- Tire, Vehicle-. M. Sapo. No. 1,250,670; Dec. 18; v. 245; p. 723.
- Tire, Vehicle-. E. Sterns. No. 1,218,486; Mar. 6; v. 236; p. 205.
- Tire, Vehicle-. C. W. Stewart. No. 1,232,406; July 3; v. 240; p. 288.
- Tire, Vehicle-. P. D. Thropp. No. 1,217,665; Feb. 27; v. 235; p. 1249.
- Tire, Vehicle-. M. Vierengel. No. 1,216,893; Feb. 20; v. 235; p. 935.
- Tire, Vehicle-wheel. C. S. Burton. No. 1,217,407; Feb. 27; v. 235; p. 1154.
- Tire, Vehicle-wheel. M. Clark. No. 1,215,486; Feb. 13; v. 235; p. 384.
- Tire, Vehicle-wheel. F. Fisher. No. 1,235,965; Aug. 7; v. 241; p. 143.
- Tire, Vehicle-wheel. W. N. Knowlton. No. 1,240,059; Sept. 11; v. 242; p. 452.
- Tire, Vehicle-wheel. J. L. Lillich. No. 1,248,353; Nov. 27; v. 244; p. 1039.
- Tire, Vehicle-wheel. T. S. McGehee. No. 1,231,397; June 26; v. 239; p. 1136.
- Tire-vulcanizer. F. B. Pfeiffer. No. 1,231,645; July 3; v. 240; p. 36.
- Tire vulcanizer, Rubber-. C. E. Miller. No. 1,234,065; July 17; v. 240; p. 897.
- Tire-vulcanizing mold. H. Cooney. No. 1,225,584; May 8; v. 238; p. 560.
- Tire, Wheel-. T. E. Auvil. No. 1,235,093; July 31; v. 240; p. 1294.
- Tire, Wheel-. M. G. Bunnell. No. 1,232,654; July 10; v. 240; p. 403.
- Tire, Wheel-. A. H. Burns. No. 1,232,490; July 10; v. 240; p. 351.
- Tire, Wheel-. R. R. Harmon. No. 1,231,734; July 3; v. 240; p. 68.
- Tire, Wheel-. A. S. Mauk. No. 1,225,459; May 8; v. 238; p. 519.
- Tire, Wheel-. I. I. McLeod. No. 1,219,653; Mar. 20; v. 236; p. 681.
- Tire, Wheel-. C. A. Miller. No. 1,212,380; Jan. 16; v. 234; p. 755.
- Tire, Wheel-. G. Restucci. No. 1,241,283; Sept. 25; v. 242; p. 909.

Alphabetical list of inventions—Continued.

- Tire, Wheel. S. B. Schory. No. 1,250,672; Dec. 18; v. 245; p. 723.
- Tire, Wheel. J. Weinberg. No. 1,235,264; July 31; v. 240; p. 1344.
- Tire-winding machine, (pneumatic control.) W. R. Denman. No. 1,211,827; Jan. 9; v. 234; p. 532.
- Tire-wrapping device. N. Ahrbin. No. 1,246,832; Nov. 20; v. 244; p. 571.
- Tires, Air-bag for mending pneumatic. J. W. Blodgett. No. 1,214,268; Jan. 30; v. 234; p. 1473.
- Tires, Air-gage for. E. B. Ruse. No. 1,210,538; Jan. 2; v. 234; p. 56.
- Tires, Air-valve for pneumatic. E. A. Hilding. No. 1,212,640; Jan. 16; v. 234; p. 848.
- Tires, Air-valve for pneumatic. E. A. Hilding. No. 1,212,641; Jan. 16; v. 234; p. 848.
- Tires and mandrels therefor, Manufacturing reinforced inner tubes of pneumatic. H. G. Welch. No. 1,237,131; Aug. 14; v. 241; p. 549.
- Tires and the inner tubes thereof, Treating automobile. F. S. Walton. No. 1,223,302; Apr. 17; v. 237; p. 872.
- Tires and the inner tubes thereof, Treating automobile. F. S. Walton. No. 1,237,977; Aug. 21; v. 241; p. 856.
- Tires and the inner tubes thereof, Treating automobile. F. S. Walton. No. 1,237,978; Aug. 21; v. 241; p. 856.
- Tires, Armor for automobile. R. J. Brooks and F. L. Martin. No. 1,210,594; Jan. 2; v. 234; p. 74.
- Tires, Armored liner for pneumatic. S. A. Rouse. No. 1,227,673; May 29; v. 238; p. 1372.
- Tires, Automatic self-healing inner tube for pneumatic. C. L. Crow. No. 1,235,528; July 31; v. 240; p. 1425.
- Tires, Automatic valve for inflating. F. A. Dean and W. H. Little. No. 1,219,925; Mar. 20; v. 236; p. 775.
- Tires, Auxiliary tread for. E. Bardelle. No. 1,243,578; Oct. 16; v. 243; p. 736.
- Tires, Blow-out patch for pneumatic. B. H. Pratt. No. 1,226,909; May 22; v. 236; p. 1087.
- Tires, Blow-out protector for. T. W. Carter. No. 1,224,103; Apr. 24; v. 237; p. 1184.
- Tires, Building cord. R. M. Merriman. No. 1,219,835; Mar. 20; v. 236; p. 743.
- Tires, Coin-controlled apparatus for inflating. E. R. Winslow. No. 1,222,169; Apr. 10; v. 237; p. 440.
- Tires, Combined cushioning and fastening device for. A. Hauschild. No. 1,223,788; Apr. 24; v. 237; p. 1078.
- Tires, Combined exhaust and inflating nozzle for pneumatic. R. H. Henemier. No. 1,243,521; Oct. 16; v. 243; p. 720.
- Tires, Complete removal of rubber from the canvas of worn-out pneumatic. H. Debaugue. No. 1,248,463; Dec. 4; v. 245; p. 10.
- Tires, Convertible mold for forming rubber. H. J. Smith. No. 1,211,886; Jan. 9; v. 234; p. 553.
- Tires, Core for resilient wheel. G. E. Gilmore and F. V. Boesel. No. 1,227,422; May 22; v. 238; p. 1257.
- Tires, Demountable rim for automobile. T. Bryant. No. 1,249,018; Dec. 4; v. 245; p. 171.
- Tires, Detachable tread for pneumatic. A. G. Mass. No. 1,234,193; July 24; v. 240; p. 975.
- Tires, Detachable tread for wheel. M. Bell. No. 1,247,207; Nov. 20; v. 244; p. 680.
- Tires, Device for inflating pneumatic. C. W. Tarbet. No. 1,234,962; July 31; v. 240; p. 1254.
- Tires, Device for inserting plugs in. H. R. Hirst. No. 1,223,878; Apr. 24; v. 237; p. 1110.
- Tires, Device for repairing pneumatic. G. W. Boynton. No. 1,222,259; Apr. 10; v. 237; p. 472.
- Tires, &c., Elastic resilient core for automobile. H. Meltzer. No. 1,247,984; Nov. 27; v. 244; p. 936.
- Tires, Fastener for vehicle. J. C. Hocker. No. 1,248,326; Nov. 27; v. 244; p. 1031.
- Tires, Fastening device for overshoes for. P. E. Kent. No. 1,227,800; May 29; v. 238; p. 1416.
- Tires for bicycles or the like, Air-valve for pneumatic. E. A. Hilding. No. 1,237,041; Aug. 14; v. 241; p. 521.
- Tires, Inner tube for elastic vehicle. E. W. Rawdon. No. 1,250,223; Dec. 18; v. 245; p. 591.
- Tires, Inner tube for pneumatic. H. C. Boggs. No. 1,227,108; May 22; v. 238; p. 1156.
- Tires, Machine for making flaps for pneumatic. E. Nall. No. 1,250,338; Dec. 18; v. 245; p. 625.
- Tires, Making. H. B. Wallace. No. 1,245,838; Nov. 6; v. 244; p. 211.
- Tires, Making cord. N. W. McLeod. No. 1,250,917; Dec. 18; v. 245; p. 797.
- Tires, Making four-ply lock-cord. R. M. Merriman. No. 1,221,887; Apr. 10; v. 237; p. 341.
- Tires, Making inner tubes for pneumatic. J. H. Brown. No. 1,217,560; Feb. 27; v. 235; p. 1211.
- Tires, Making material for puncture-proof. G. O. Morse. No. 1,239,291; Sept. 4; v. 242; p. 183.
- Tires, Making tubes for automobile. G. C. Berryman. No. 1,245,859; Nov. 6; v. 244; p. 217.
- Tires, Manufacture of. R. B. Price. No. 1,235,052; July 31; v. 240; p. 1282.
- Tires, Manufacture of block. C. B. Whittelsey. No. 1,230,967; June 26; v. 239; p. 992.
- Tires, Manufacturing. E. E. A. G. Meyer and G. W. Seiberling. No. 1,226,236; May 15; v. 238; p. 823.
- Tires, Manufacturing pneumatic. J. B. Salmon. No. 1,219,163; Mar. 13; v. 236; p. 481.
- Tires, Means for securing in place and rendering useful deflated pneumatic. W. H. Heron. No. 1,232,306; July 3; v. 240; p. 257.
- Tires, Metallic spring-actuated mechanism for rubber. E. G. Loeser. No. 1,224,758; May 1; v. 238; p. 228.
- Tires, Mold for making pneumatic. N. W. McLeod. No. 1,213,225; Jan. 23; v. 234; p. 1084.
- Tires, Mold for making pneumatic. N. W. McLeod. No. 1,215,828; Feb. 13; v. 235; p. 509.
- Tires, Non-skid attachment for. F. Wengraf. No. 1,243,022; Oct. 16; v. 243; p. 570.
- Tires, Non-skid device for. G. L. Herz. No. 1,242,691; Oct. 9; v. 243; p. 430.
- Tires, Paper-wrapping machine for. T. Midgley. No. 1,238,318; Aug. 28; v. 241; p. 1001.
- Tires, Pressure-indicator for. L. McInnis and D. E. Semon. No. 1,220,867; Mar. 27; v. 236; p. 1142.
- Tires, Pressure-regulator for. E. B. Keith. No. 1,243,420; Oct. 16; v. 243; p. 688.
- Tires, Producing. F. W. Kremer. No. 1,248,871; Dec. 4; v. 245; p. 132.
- Tires, Producing puncture-sealing rubber. W. W. Wildman and E. A. Tinsman. No. 1,217,888; Feb. 27; v. 235; p. 1323.
- Tires, Puncture-proof layer for. L. S. Odell. No. 1,219,033; Mar. 13; v. 236; p. 437.
- Tires, Puncture-proof pneumatic. R. Wapshare. No. 1,220,914; Mar. 27; v. 236; p. 1155.
- Tires, Reinforced air-tube for pneumatic. J. W. Blodgett. No. 1,236,534; Aug. 14; v. 241; p. 355.
- Tires, Reinforcement for pneumatic. F. S. Bryant. No. 1,222,729; Apr. 17; v. 237; p. 679.
- Tires, Relief-valve for. W. F. Ray. No. 1,250,503; Dec. 18; v. 245; p. 673.
- Tires, Relief-valve for pneumatic. H. L. Shaffer. No. 1,234,940; July 31; v. 240; p. 1247.
- Tires, Removable resilient core for. J. W. Moakler. No. 1,228,346; May 29; v. 238; p. 1598.
- Tires, Rim and wheel for solid-rubber. A. C. Stevenson. No. 1,230,616; June 19; v. 239; p. 836.
- Tires, Safety-valve mechanism and signal for pneumatic. R. E. McKee. No. 1,250,476; Dec. 18; v. 245; p. 666.
- Tires, Shoe for automobile. J. H. Heffernan. No. 1,249,623; Dec. 11; v. 245; p. 375.
- Tires, Subcasing or inner-tire protector for pneumatic. J. N. Davis. No. 1,250,100; Dec. 11; v. 245; p. 514.
- Tires, Sunshade for pneumatic. R. C. Jeboult. No. 1,220,750; Mar. 27; v. 236; p. 1101.
- Tires, Tool for removing and replacing vehicle. N. D. Chase. No. 1,246,050; Nov. 13; v. 244; p. 301.
- Tires, Valve for pneumatic. A. Brenner. No. 1,249,014; Dec. 4; v. 245; p. 170.
- Tires, Valve for pneumatic. H. F. Miller. No. 1,226,563; May 15; v. 238; p. 931.
- Tires, Valve for pneumatic. J. W. Taylor. No. 1,211,501; Jan. 9; v. 234; p. 419.
- Titanic-oxid pigment and producing the same, Composite. L. E. Barton. No. 1,223,357; Apr. 24; v. 237; p. 924.
- Titanic-oxid product and obtaining same. L. E. Barton. No. 1,223,356; Apr. 24; v. 237; p. 924.
- Titanic-oxid products, Producing composite. L. E. Barton. No. 1,234,260; July 24; v. 240; p. 997.
- Titanic-oxid products, Producing composite. L. E. Barton. No. 1,240,405; Sept. 18; v. 242; p. 600.
- Titanic-sulfate products and pure titanic acid therefrom, Producing basic. L. E. Barton. No. 1,223,358; Apr. 24; v. 237; p. 925.
- Toaster. F. D. Hannum. No. 1,234,159; July 24; v. 240; p. 964.
- Toaster. T. Sabelberg. No. 1,213,025; Jan. 16; v. 234; p. 982.
- Toaster. S. C. Shaffner. No. 1,221,228; Apr. 3; v. 237; p. 80.
- Toaster. F. A. Vollbrecht. No. 1,213,981; Jan. 30; v. 234; p. 1374.
- Toaster. C. O. Weaver. No. 1,216,525; Feb. 20; v. 235; p. 809.
- Toaster, Bread. A. M. Fluharty. No. 1,212,340; Jan. 16; v. 234; p. 741.
- Toaster, Bread. G. S. Gumaer. No. 1,212,051; Jan. 9; v. 234; p. 610.
- Toaster, Electric. J. F. Delahant. No. 1,230,384; June 19; v. 239; p. 757.
- Toaster, Electric. E. N. Lightfoot. No. 1,219,650; Mar. 20; v. 236; p. 680.
- Toasting device. F. L. Riggs. No. 1,242,725; Oct. 9; v. 243; p. 440.
- Tobacco and like materials, Packaging-machine for. E. L. Bracy. No. 1,217,694; Feb. 27; v. 235; p. 1258.
- Tobacco and match box, Combination. C. M. Burr. No. 1,241,340; Sept. 25; v. 242; p. 925.
- Tobacco and match box, Combination. R. C. Logan. No. 1,235,823; Aug. 7; v. 241; p. 96.
- Tobacco and match box, Combined. J. E. Gillam. No. 1,236,288; Aug. 7; v. 241; p. 243.
- Tobacco-bag attachment. J. W. Peden. No. 1,221,372; Apr. 3; v. 237; p. 130.
- Tobacco-bag closure. G. W. Williams. No. 1,237,134; Aug. 14; v. 241; p. 550.
- Tobacco-box. M. I. Keim. No. 1,216,135; Feb. 13; v. 235; p. 621.
- Tobacco-box. L. Stankewitz. No. 1,232,404; July 3; v. 240; p. 288.
- Tobacco-box, Pipe and cigarette filling. J. H. Scott. No. 1,237,831; Aug. 21; v. 241; p. 810.
- Tobacco bunching and rolling machine. J. S. Haggerty. No. 1,239,003; Sept. 4; v. 242; p. 91.

- Tobacco-cartridge. C. Buchanan. No. 1,234,279; July 24; v. 240; p. 1003.
- Tobacco-cutter, Foot-press. C. A. Brewster. No. 1,220,068; Mar. 20; v. 236; p. 826.
- Tobacco cutter, Plug-. H. H. Schutz. No. 1,212,118; Jan. 9; v. 234; p. 632.
- Tobacco, Dehydrating and curing. G. H. Benjamin. No. 1,224,703; May 1; v. 238; p. 209.
- Tobacco-drier. W. H. Young. No. 1,221,949; Apr. 10; v. 237; p. 364.
- Tobacco, Flavoring. W. A. Parker. No. 1,219,856; Mar. 20; v. 236; p. 751.
- Tobacco-handling device. E. Slack. No. 1,243,994; Oct. 23; v. 243; p. 899.
- Tobacco-humidifier. J. F. Prather. No. 1,249,490; Dec. 11; v. 245; p. 337.
- Tobacco-leaf-stripping machine. F. I. Billings and F. C. Schofield. No. 1,212,441; Jan. 16; v. 234; p. 776.
- Tobacco-leaves, Feeding device for. J. C. Buchanan. No. 1,219,077; Mar. 13; v. 236; p. 451.
- Tobacco-leaves, Machine for stemming cured. C. F. Peper. No. 1,235,722; Aug. 7; v. 241; p. 61.
- Tobacco-lift. A. J. Daniel. No. 1,239,359; Sept. 4; v. 242; p. 205.
- Tobacco, Machine for incising plug-. J. Peterson. No. 1,248,540; Dec. 4; v. 245; p. 32.
- Tobacco, match, and paper receptacle, Combined. A. A. Haven. No. 1,223,693; Apr. 24; v. 237; p. 1046.
- Tobacco-package, Sealed-wrapped. T. J. Maloney. No. 1,247,697; Nov. 27; v. 244; p. 852.
- Tobacco-pipe. A. W. Barnby. No. 1,244,410; Oct. 23; v. 243; p. 1024.
- Tobacco-pipe. S. D. Blandford. No. 1,210,404; Jan. 2; v. 234; p. 8.
- Tobacco-pipe. J. E. Bradley. No. 1,243,803; Oct. 23; v. 243; p. 842.
- Tobacco-pipe. G. W. Conley. No. 1,213,156; Jan. 23; v. 234; p. 1059.
- Tobacco-pipe. R. W. Graves. No. 1,239,589; Sept. 11; v. 242; p. 306.
- Tobacco-pipe. C. F. Meissner. No. 1,249,984; Dec. 11; v. 245; p. 481.
- Tobacco-pipe. E. Waigand. No. 1,212,590; Jan. 16; v. 234; p. 829.
- Tobacco-pipe. J. Yartin. No. 1,240,399; Sept. 18; v. 242; p. 598.
- Tobacco-pipe and the like. F. E. Moss. No. 1,249,171; Dec. 4; v. 245; p. 214.
- Tobacco-pipe, cigar and cigarette tube, and the like. S. L. Goodall. No. 1,231,876; July 3; v. 240; p. 115.
- Tobacco-pipe, cigar-holder, and cigarette-holder. C. W. Harrison. No. 1,234,541; July 24; v. 240; p. 1689.
- Tobacco-pipes and the like, Machine for cleaning. F. H. S. Shepherd. No. 1,233,410; July 17; v. 240; p. 686.
- Tobacco, Plug-. J. Peterson. No. 1,217,496; Feb. 27; v. 235; p. 1188.
- Tobacco-pouch. J. Peterson. No. 1,217,818; Feb. 27; v. 235; p. 1300.
- Tobacco-pouch. J. Peterson. No. 1,217,820; Feb. 27; v. 235; p. 1300.
- Tobacco-pouch. J. Peterson. No. 1,246,650; Nov. 13; v. 244; p. 482.
- Tobacco-receptacle. M. H. Page. No. 1,221,896; Apr. 10; v. 237; p. 845.
- Tobacco-receptacle. M. Van Vliet. No. 1,250,395; Dec. 18; v. 245; p. 641.
- Tobacco-receptacle and pipe-cleaner, Combined. R. Kent. No. 1,242,902; Oct. 9; v. 243; p. 495.
- Tobacco-saver. W. Washburn. No. 1,210,877; Jan. 2; v. 234; p. 172.
- Tobacco stemming and booking machine. J. T. McCloskey. No. 1,214,336; Jan. 30; v. 234; p. 1498.
- Tobacco-stemming machine. W. H. Allen. No. 1,238,077; Aug. 28; v. 241; p. 920.
- Tobacco-stemming machine. J. D. Goodwin. No. 1,236,078; Aug. 7; v. 241; p. 177.
- Tobacco-stemming machine. A. Grodsky. No. 1,225,240; May 8; v. 238; p. 442.
- Tobacco-stemming mechanism. J. C. Buchanan. No. 1,224,848; May 1; v. 238; p. 259.
- Tobacco stripping and booking machine. B. Liberman. W. M. Reichart, and J. C. Wobensmith. No. 1,239,115; Sept. 4; v. 242; p. 128.
- Tobacco-user's appliance. C. P. Glover. No. 1,215,519; Feb. 13; v. 235; p. 596.
- Tobacco-weighing machine. T. R. Stockard. No. 1,247,736; Nov. 27; v. 244; p. 865.
- Toe-calk. O. B. Hanson. No. 1,215,367; Feb. 13; v. 235; p. 342.
- Toe-centering device. L. M. Brown. No. 1,226,057; May 15; v. 238; p. 763.
- Toe-nail protector. T. L. Marvel. No. 1,213,673; Jan. 23; v. 234; p. 1240.
- Toe or heel stiffener. F. Schwartz. No. 1,215,876; Feb. 13; v. 235; p. 526.
- Toggle. J. D. Coughlin. No. 1,222,850; Apr. 17; v. 237; p. 720.
- Toggle-bolt. L. R. Zifferer. No. 1,228,512; June 5; No. 239; p. 47.
- Toggle-gear. H. J. Barker. No. 1,237,150; Aug. 14; v. 241; p. 553.
- Toggle-locking follower-holder. F. W. T. Klausing and W. C. Tackaberry. No. 1,240,223; Sept. 18; v. 242; p. 543.
- Toilet. J. Lange, Jr. No. 1,213,113; Jan. 16; v. 234; p. 1012.
- Toilet article. J. A. Blaine. No. 1,212,443; Jan. 16; v. 234; p. 777.
- Toilet article. A. Boze. No. 1,234,616; July 24; v. 240; p. 1112.
- Toilet article. M. C. Lewis. No. 1,249,140; Dec. 4; v. 245; p. 205.
- Toilet article. J. Szuhay. No. 1,243,896; Oct. 23; v. 243; p. 871.
- Toilet article. W. H. Tharp and A. T. Ellias. No. 1,244,798; Oct. 30; v. 243; p. 1179.
- Toilet article. S. Wigiart. No. 1,242,293; Oct. 9; v. 243; p. 303.
- Toilet article, Combination. A. J. Johnson. No. 1,226,669; May 22; v. 238; p. 1005.
- Toilet-article holder. J. E. Mack. No. 1,226,231; May 15; v. 238; p. 822.
- Toilet-article holder, Combination. H. L. Kuhn. No. 1,241,225; Sept. 25; v. 242; p. 887.
- Toilet attachment. A. J. Howd. No. 1,214,165; Jan. 30; v. 234; p. 1437.
- Toilet-bowl. M. J. Carroll. No. 1,234,624; July 24; v. 240; p. 1114.
- Toilet-box. L. S. Kinnard. No. 1,224,552; May 1; v. 238; p. 157.
- Toilet-case. E. N. Lorscheider. No. 1,230,912; June 26; v. 239; p. 971.
- Toilet-case. M. R. Smith. No. 1,218,222; Mar. 6; v. 236; p. 117.
- Toilet-case for automobiles. M. F. McFarland. No. 1,243,958; Oct. 23; v. 243; p. 889.
- Toilet inclosure or booth. G. R. Meyercord. No. 1,226,684; May 22; v. 238; p. 1010.
- Toilet novelty. B. R. Kantrowitz. No. 1,223,074; Apr. 17; v. 237; p. 796.
- Toilet-receptacle. A. D. Adams. No. 1,230,453; June 19; v. 239; p. 781.
- Toilet-rooms, Partition structure for. C. H. Hahn. No. 1,229,861; June 12; v. 239; p. 550.
- Toilet, Sanitary. A. A. Bowen and R. M. Pettus. No. 1,236,902; Aug. 14; v. 241; p. 475.
- Toilet-seat. W. A. and W. A. Bohn, Jr. No. 1,227,373; May 22; v. 238; p. 1242.
- Toilet-seat. J. A. Bonner. No. 1,215,104; Feb. 6; v. 235; p. 217.
- Toilet-seat. P. Minelli. No. 1,232,363; July 3; v. 240; p. 276.
- Toilet-seat. C. W. Rübikoski. No. 1,217,506; Feb. 27; v. 235; p. 1192.
- Toilet-seat attachment. J. C. Bach. No. 1,233,263; July 10; v. 240; p. 600.
- Toilet-seat cover, Hygienic. M. Bloch. No. 1,221,661; Apr. 3; v. 237; p. 228.
- Toilet-seat cover, Sanitary. E. L. Nichols. No. 1,225,673; May 8; v. 238; p. 590.
- Toilet-seat, Portable. M. Meyer. No. 1,223,065; Apr. 17; v. 237; p. 793.
- Toilet-seat-protecting device. G. K. Palmer. No. 1,237,548; Aug. 21; v. 241; p. 719.
- Toilet-seat, protector, Sanitary. J. J. Sharp. No. 1,223,208; Apr. 17; v. 237; p. 843.
- Toilet-seat, Sanitary. L. B. Ward. No. 1,248,216; Nov. 27; v. 244; p. 1000.
- Toilet-seats, Rest for. J. Cerney. No. 1,210,419; Jan. 2; v. 234; p. 14.
- Toilet-seats, Sanitary attachment for. Y. Masuzawa. No. 1,237,934; Aug. 21; v. 241; p. 841.
- Toilet-seats, Sanitary device for. F. J. Cunha. No. 1,210,767; Jan. 2; v. 234; p. 134.
- Toilet use, Device for. F. Grant. No. 1,223,783; Apr. 24; v. 237; p. 1077.
- Toilet-ventilator. A. Swarzman. No. 1,247,176; Nov. 20; v. 244; p. 671.
- Toluene, Producing. R. H. McKee. No. 1,244,444; Oct. 23; v. 243; p. 1034.
- Toluene, Production of. W. B. Sifton. No. 1,216,174; Feb. 13; v. 235; p. 634.
- Toluol, Manufacture of. O. B. Evans. No. 1,230,087; June 12; v. 239; p. 622.
- Toluol, Manufacture of. W. H. Gartley. No. 1,225,237; May 8; v. 238; p. 441.
- Tomato-peeling machine. J. W. Linville and C. C. Tillman. No. 1,241,529; Oct. 2; v. 243; p. 19.
- Tomato-scalder. J. P. Walker. No. 1,248,214; Nov. 27; v. 244; p. 999.
- Tomatoes and the like, Loosening the skins of. W. H. Chapman. No. 1,250,140; Dec. 18; v. 245; p. 565.
- Tone-arm. F. W. Hutchings. No. 1,229,466; June 12; v. 239; p. 417.
- Tone-arm. J. Jonasson. No. 1,232,807; July 10; v. 240; p. 455.
- Tone-arm support. H. Segal. No. 1,228,064; May 29; v. 238; p. 1507.
- Tone-arm, Universal. P. Becker. No. 1,223,927; Apr. 24; v. 237; p. 1126.
- Tone-purifier. C. P. Marshall. No. 1,231,277; June 26; v. 239; p. 1096.
- Tongs. W. W. Eggers. No. 1,220,505; Mar. 27; v. 236; p. 1017.
- Tongs. G. N. Morrow. No. 1,218,297; Mar. 6; v. 236; p. 144.
- Tongs. A. R. Selden. No. 1,250,365; Dec. 18; v. 245; p. 633.

Alphabetical list of inventions—Continued.

- Tongs. N. C. Sorensen. No. 1,220,599; Mar. 27; v. 236; p. 1151.
- Tongs, Automatic shell-. E. E. Loflin. No. 1,233,074; July 10; v. 240; p. 540.
- Tongs, Battery-. M. Melia. No. 1,219,979; Mar. 20; v. 236; p. 794.
- Tongs, Clothes-. L. M. Larson and C. J. Carlson. No. 1,226,537; May 15; v. 238; p. 924.
- Tongs, Grasping-. J. Geist. No. 1,247,662; Nov. 27; v. 244; p. 842.
- Tongs, Lifting-. J. R. Warren. No. 1,249,568; Dec. 11; v. 245; p. 359.
- Tongs, Rail-. S. D. Morris. No. 1,246,142; Nov. 13; v. 244; p. 329.
- Tongs, Paper. G. J. Bohlman. No. 1,250,422; Dec. 18; v. 245; p. 650.
- Tongs, Vulcanizing-. F. O. Lake. No. 1,219,414; Mar. 13; v. 236; p. 567.
- Tongue device, Adjustable wagon-. W. A. Baldwin. No. 1,232,752; July 10; v. 240; p. 437.
- Tongue, Draft-. R. D. Millhouse. No. 1,234,374; July 24; v. 240; p. 1035.
- Tongue-holder, Adjustable. F. J. Dultmeier. No. 1,222,192; Apr. 10; v. 237; p. 447.
- Tongue support, Vehicle-. S. R. Hogsett. No. 1,217,764; Feb. 27; v. 235; p. 1281.
- Tongue support, Wagon-. J. W. Waddell and G. C. Morrow. No. 1,226,829; May 22; v. 238; p. 1060.
- Tongue support, Wagon-. F. R. Wilcox. No. 1,234,843; July 31; v. 240; p. 1214.
- Tongue, Wagon-. R. B. Pearcy. No. 1,217,627; Feb. 27; v. 235; p. 1255.
- Tongues, Runner for draft-. W. H. S. Ritchie. No. 1,210,694; Jan. 2; v. 234; p. 110.
- Tool. F. W. Black. No. 1,220,937; Mar. 27; v. 236; p. 1163.
- Tool. W. R. Brown. No. 1,226,636; May 22; v. 238; p. 994.
- Tool. R. D. Corke. No. 1,237,021; Aug. 14; v. 241; p. 514.
- Tool. H. M. Kauffman. No. 1,234,906; July 31; v. 240; p. 1236.
- Tool. E. Lindenberg. No. 1,230,494; June 19; v. 239; p. 794.
- Tool. W. L. Milliron. No. 1,231,407; June 26; v. 239; p. 1140.
- Tool. G. C. Shew. No. 1,215,726; Feb. 13; v. 235; p. 472.
- Tool. A. Smith. No. 1,249,529; Dec. 11; v. 245; p. 349.
- Tool. S. Thompson. No. 1,226,413; May 15; v. 238; p. 885.
- Tool. K. Underwood. No. 1,242,392; Oct. 9; v. 243; p. 334.
- Tool. M. Wainola. No. 1,237,126; Aug. 14; v. 241; p. 548.
- Tool. E. S. West. No. 1,212,430; Jan. 16; v. 234; p. 773.
- Tool. W. D. Williams. No. 1,229,174; June 5; v. 239; p. 269.
- Tool and guide adjustment. H. J. Mitchell. No. 1,226,902; May 22; v. 238; p. 1084.
- Tool and tool-carrier. H. W. Melling. No. 1,225,152; v. 241; p. 1072.
- Tool and tool-holder. A. F. Carew. No. 1,239,459; Sept. 11; v. 242; p. 265.
- Tool and work holder and driver. J. H. Hammou. No. 1,239,268; Sept. 4; v. 242; p. 177.
- Tool-box. W. C. McCoy. No. 1,249,439; Dec. 11; v. 245; p. 322.
- Tool, Cap-opening. W. R. Bearce and R. J. Jones. No. 1,210,399; Jan. 2; v. 234; p. 6.
- Tool, Combination-. D. L. Hartzman. No. 1,251,228; Dec. 25; v. 245; p. 938.
- Tool, Combination-. D. O. Hedlund. No. 1,250,455; Dec. 18; v. 245; p. 659.
- Tool, Combination-. K. Hovhannesian. No. 1,239,394; Sept. 4; v. 242; p. 215.
- Tool, Combination-. H. H. Hyer. No. 1,212,064; Jan. 9; v. 234; p. 614.
- Tool, Combination-. J. E. Johnson. No. 1,215,308; Feb. 6; v. 235; p. 287.
- Tool, Combination-. E. L. Langford. No. 1,250,328; Dec. 18; v. 245; p. 622.
- Tool, Combination-. J. A. Linn. No. 1,238,536; Aug. 28; May 8; v. 238; p. 413.
- Tool, Combination-. T. Martin. No. 1,217,801. Feb. 27; v. 235; p. 1294.
- Tool, Combination-. J. B. Offermann. No. 1,223,722; Apr. 24; v. 237; p. 1054.
- Tool, Combination-. J. H. Roberts. No. 1,243,343; Oct. 16; v. 243; p. 667.
- Tool, Combination-. F. Singer. No. 1,225,723; May 8; v. 238; p. 606.
- Tool, Combination-. J. B. Smith and F. Hobbisiefken. No. 1,245,394; Nov. 6; v. 244; p. 75.
- Tool, Combination-. A. Uney. No. 1,221,777; Apr. 3; v. 237; p. 269.
- Tool, Combination-. C. B. Whitaker. No. 1,229,843; June 12; v. 239; p. 544.
- Tool, Compound. J. A. Dunagan. No. 1,221,297; Apr. 3; v. 237; p. 104.
- Tool, Compound. O. C. Gessler. No. 1,218,757; Mar. 13; v. 236; p. 340.
- Tool, Compound. J. C. Michie. No. 1,246,768; Nov. 13; v. 244; p. 515.
- Tool, Dislodging-. O. N. Tevander. No. 1,226,827; May 22; v. 238; p. 1059.
- Tool-driver. W. F. Fraser. No. 1,242,933; Oct. 16; v. 243; p. 540.
- Tool-driver. R. H. Knight. No. 1,242,205; Oct. 9; v. 243; p. 275.
- Tool, Electrically-driven. S. D. Black and A. G. Decker. No. 1,245,860; Nov. 6; v. 244; p. 217.
- Tool, Electrically-operated. F. Schneider. No. 1,231,071; June 26; v. 239; p. 1027.
- Tool, Fluid-operated. L. W. Greve. No. 1,241,962; Oct. 2; v. 243; p. 157.
- Tool, Garden and lawn. H. A. Atkins and T. Fraudsen. No. 1,221,650; Apr. 3; v. 237; p. 224.
- Tool, Hand-. W. A. Bernard. No. 1,236,138; Aug. 7; v. 241; p. 195.
- Tool, Hand-. A. J. Bright. No. 1,248,446; Dec. 4; v. 245; p. 6.
- Tool, Hand-. B. B. De Masters. No. 1,216,663; Feb. 20; v. 235; p. 857.
- Tool, Hand-. C. C. Harris and J. A. Adell. No. 1,215,932; Feb. 13; v. 235; p. 547.
- Tool-handle. T. S. Benison. No. 1,221,655; Apr. 3; v. 237; p. 226.
- Tool-handle. L. V. Boone. No. 1,241,189; Sept. 25; v. 242; p. 876.
- Tool-handle. Z. Littman. No. 1,243,310; Oct. 16; v. 243; p. 657.
- Tool-handle. W. E. Stratton. No. 1,211,783; Jan. 9; v. 234; p. 515.
- Tool-handle, Combination. W. E. Seelye. No. 1,247,885; Nov. 27; v. 244; p. 907.
- Tool-holder. O. T. Anderson. No. 1,226,047; May 15; v. 238; p. 760.
- Tool-holder. J. Armstrong. No. 1,214,497; Feb. 6; v. 235; p. 4.
- Tool-holder. J. Armstrong. No. 1,214,498; Feb. 6; v. 235; p. 4.
- Tool-holder. P. Armstrong. No. 1,242,306; Oct. 9; v. 243; p. 306.
- Tool-holder. V. H. Aurich and A. Chhak. No. 1,230,647; June 19; v. 239; p. 847.
- Tool-holder. J. B. Brown. No. 1,236,258; Aug. 7; v. 241; p. 234.
- Tool-holder. J. B. Dengler. No. 1,248,280; Nov. 27; v. 244; p. 1019.
- Tool-holder. A. E. Eisenmann. No. 1,235,298; July 31; v. 240; p. 1355.
- Tool-holder. E. E. Ellis. No. 1,220,324; Mar. 27; v. 236; p. 955.
- Tool-holder. H. A. Ellis. No. 1,250,154; Dec. 18; v. 245; p. 569.
- Tool-holder. A. L. Ewen. No. 1,237,185; Aug. 14; v. 241; p. 563.
- Tool-holder. E. C. Fisher. No. 1,213,088; Jan. 16; v. 234; p. 1002.
- Tool-holder. E. S. Frey and A. E. Wrigley. No. 1,240,699; Sept. 18; v. 242; p. 689.
- Tool-holder. F. Hardinge. No. 1,226,657; May 22; v. 238; p. 1001.
- Tool-holder. P. F. Holmgren. No. 1,222,102; Apr. 10; v. 237; p. 415.
- Tool-holder. P. N. Kluft. No. 1,230,724; June 19; v. 239; p. 870.
- Tool-holder. J. F. Marsolais. No. 1,215,830; Feb. 13; v. 235; p. 510.
- Tool-holder. L. P. McEachron. No. 1,221,556; Apr. 3; v. 237; p. 195.
- Tool-holder. R. Nelson. No. 1,222,448; Apr. 10; v. 237; p. 539.
- Tool-holder. V. Niemela. No. 1,235,364; July 31; v. 240; p. 1375.
- Tool-holder. A. Perez de Villa-Amil. No. 1,227,398; May 22; v. 238; p. 1250.
- Tool-holder. J. B. Perry. No. 1,250,645; Dec. 18; v. 245; p. 715.
- Tool-holder. M. W. Schillberg. No. 1,214,225; Jan. 30; v. 234; p. 1457.
- Tool-holder. L. Smith. No. 1,212,271; Jan. 16; v. 234; p. 718.
- Tool-holder. C. W. Watson. No. 1,244,665; Oct. 30; v. 243; p. 1139.
- Tool holder and driver. C. G. Olson. No. 1,232,714; July 10; v. 240; p. 423.
- Tool-holder for automatic machines. B. T. Browand. No. 1,222,178; Apr. 10; v. 237; p. 443.
- Tool-holder stop mechanism. W. L. Schellenbach. No. 1,231,946; July 3; v. 240; p. 137.
- Tool-holder, Universal. C. A. Swahlstedt. No. 1,248,201; Nov. 27; v. 244; p. 996.
- Tool-holding device. F. H. Kasperson. No. 1,240,729; Sept. 18; v. 242; p. 699.
- Tool, Insulated track-. D. L. Braine. No. 1,248,445; Dec. 4; v. 245; p. 6.
- Tool, Machine-. A. M. Sosa. No. 1,248,941; Dec. 4; v. 245; p. 150.
- Tool, Metal-working. F. P. Lovejoy. No. 1,222,643; Apr. 17; v. 237; p. 649.
- Tool, Open grip-handle, inside-trigger pneumatic. M. J. Burkel. No. 1,238,255; Aug. 28; v. 241; p. 980.

- Tool, Operating-. C. W. Sherman. No. 1,210,857; Jan. 2; v. 234; p. 164.
- Tool, Percussive. G. J. Gawley. No. 1,225,612; May 8; v. 238; p. 570.
- Tool, Pneumatic. C. Christiansen. No. 1,247,080; Nov. 20; v. 244; p. 643.
- Tool, Pneumatic. N. H. Frost. No. 1,219,932; Mar. 20; v. 236; p. 778.
- Tool, Pneumatic. G. H. Gilman. No. 1,236,701; Aug. 14; v. 241; p. 410.
- Tool, Pneumatic. M. W. Sherwood. No. 1,243,770; Oct. 23; v. 243; p. 831.
- Tool, Pneumatic. M. W. Sherwood. No. 1,251,121; Dec. 25; v. 245; p. 907.
- Tool, Pneumatic percussive. C. H. Haeseler. No. 1,240,708; Sept. 18; v. 242; p. 692.
- Tool, Pneumatic percussive. C. H. Haeseler. No. 1,240,709; Sept. 18; v. 242; p. 692.
- Tool-post. F. H. Blackinton. No. 1,246,226; Nov. 13; v. 244; p. 353.
- Tool-post, Turret. C. L. Tolles. No. 1,236,997; Aug. 14; v. 241; p. 506.
- Tool, Power-driven. F. J. Backscheider. No. 1,216,047; Feb. 13; v. 235; p. 589.
- Tool, Power-driven. F. J. Backscheider. No. 1,218,236; Mar. 6; v. 236; p. 122.
- Tool, Power-driven. H. Wagner. No. 1,215,439; Feb. 13; v. 235; p. 367.
- Tool, Pressure-fluid. G. H. Gilman. No. 1,236,702; Aug. 14; v. 241; p. 411.
- Tool, Pressure-fluid. G. H. Gilman. No. 1,236,703; Aug. 14; v. 241; p. 412.
- Tool, Pressure-fluid. G. H. Gilman. No. 1,236,704; Aug. 14; v. 241; p. 412.
- Tool-rack. P. S. Watts. No. 1,231,316; June 26; v. 239; p. 1109.
- Tool, Reaming-. O. J. Summers. No. 1,249,240; Dec. 4; v. 245; p. 235.
- Tool-rest, Resilient. L. J. Pianarosa. No. 1,245,020; Oct. 30; v. 243; p. 1247.
- Tool-retainer. W. A. Smith. No. 1,212,272; Jan. 16; v. 234; p. 718.
- Tool, Separable. G. L. McDermott. No. 1,243,434; Oct. 16; v. 243; p. 693.
- Tool-setting gage. J. Blainer. No. 1,224,836; May 1; v. 238; p. 256.
- Tool-socket. G. P. Schreiber. No. 1,250,673; Dec. 18; v. 245; p. 723.
- Tool, Spring-manipulating. W. J. Parsons. No. 1,235,237; July 31; v. 240; p. 1336.
- Tools, Making. H. B. and C. A. Barden. No. 1,220,060; Mar. 20; v. 236; p. 823.
- Tools, Operating mechanism for rotary. C. W. Fuller. No. 1,229,603; June 12; v. 239; p. 464.
- Tools, Safety attachment for pneumatic. C. A. Nagle. No. 1,219,140; Mar. 13; v. 236; p. 473.
- Tools, Safety-throttle for pneumatic. O. C. Winfield and C. F. Haywood. No. 1,216,904; Feb. 20; v. 235; p. 938.
- Tools, Throttle-valve for pneumatic. F. A. Jimerson. No. 1,229,276; June 12; v. 239; p. 353.
- Tools, Valve for percussive. R. H. Wilhelm. No. 1,248,966; Dec. 4; v. 245; p. 157.
- Tools, Work-holder for machine-. W. Ruff. No. 1,249,207; Dec. 4; v. 245; p. 225.
- Tooth and making same. Artificial. E. Mountford. No. 1,224,195; May 1; v. 238; p. 28.
- Tooth and mounting of same. Artificial. E. R. Magnus. No. 1,219,019; Mar. 13; v. 236; p. 433.
- Tooth, Artificial. C. C. Beebe. No. 1,212,885; Jan. 16; v. 234; p. 932.
- Tooth, Artificial. D. W. Blundell, J. H. Mills, and A. T. Maguire. No. 1,211,817; Jan. 9; v. 234; p. 528.
- Tooth, Artificial. R. H. Bowsher. No. 1,223,364; Apr. 24; v. 237; p. 926.
- Tooth, Artificial. R. H. Bowsher. No. 1,230,852; June 26; v. 239; p. 953.
- Tooth, Artificial. R. H. Bowsher. No. 1,230,853; June 26; v. 239; p. 953.
- Tooth, Artificial. R. O. Brittain. No. 1,249,891; Dec. 11; v. 245; p. 455.
- Tooth, Artificial. W. W. Crate. No. 1,246,060; Nov. 13; v. 244; p. 305.
- Tooth, Artificial. W. W. Crate. No. 1,246,061; Nov. 13; v. 244; p. 305.
- Tooth, Artificial. A. N. Cross. No. 1,234,139; July 24; v. 240; p. 957.
- Tooth, Artificial. G. Evans. No. 1,244,392; Oct. 16; v. 243; p. 680.
- Tooth, Artificial. L. E. Evslin. No. 1,218,989; Mar. 13; v. 236; p. 423.
- Tooth, Artificial. L. E. Evslin. No. 1,238,397; Aug. 28; v. 241; p. 1026.
- Tooth, Artificial. T. F. Glenn. No. 1,210,460; Jan. 2; v. 234; p. 28.
- Tooth, Artificial. T. F. Glenn. No. 1,212,935; Jan. 16; v. 234; p. 949.
- Tooth, Artificial. T. F. Glenn. No. 1,216,107; Feb. 13; v. 235; p. 610.
- Tooth, Artificial. E. T. Goldberg. No. 1,247,953; Nov. 27; v. 244; p. 927.
- Tooth, Artificial. E. T. Goldberg. No. 1,248,477; Dec. 4; v. 245; p. 14.
- Tooth, Artificial. I. Goldman. No. 1,218,078; Mar. 6; v. 236; p. 66.
- Tooth, Artificial. O. G. Hess. No. 1,217,866; Feb. 27; v. 235; p. 1315.
- Tooth, Artificial. H. D. Justi. No. 1,241,854; Oct. 2; v. 243; p. 123.
- Tooth, Artificial. E. F. Klumb. No. 1,220,239; Mar. 27; v. 236; p. 923.
- Tooth, Artificial. S. Myerson. No. 1,243,335; Oct. 16; v. 243; p. 664.
- Tooth, Artificial. W. W. Oswald. No. 1,211,749; Jan. 9; v. 234; p. 502.
- Tooth, Artificial. R. F. Robb. No. 1,240,258; Sept. 18; v. 242; p. 554.
- Tooth, Artificial. W. L. Smith. No. 1,238,210; Aug. 28; v. 241; p. 964.
- Tooth, Artificial. H. W. Wenzel. No. 1,233,152; July 10; v. 240; p. 566.
- Tooth, Artificial. H. W. Wenzel. No. 1,245,843; Nov. 6; v. 244; p. 213.
- Tooth-backings for artificial teeth, Machine for forming metallic. E. E. Wightman. No. 1,232,636; July 10; v. 240; p. 396.
- Tooth-clasp with a mouth-plate or other form of denture, Attachment for a. N. S. Essig. No. 1,233,857; July 17; v. 240; p. 832.
- Tooth-cleaning implement. C. W. McKinney. No. 1,213,667; Jan. 23; v. 234; p. 1238.
- Tooth-cleaning instrument. W. M. Muchow. No. 1,233,687; July 17; v. 240; p. 777.
- Tooth, Harrow-. F. Sherwin. No. 1,239,627; Sept. 11; v. 242; p. 317.
- Tooth-nerve tester. A. R. Darling. No. 1,242,778; Oct. 9; v. 243; p. 457.
- Tooth-paste squeezer and brush-holder, Combined. A. O. Glasgow and E. L. Acker. No. 1,212,138; Jan. 9; v. 234; p. 639.
- Tooth plate, Artificial-. L. Robertson. No. 1,226,382; May 15; v. 238; p. 875.
- Tooth-rest. H. R. Isler. No. 1,249,630; Dec. 11; v. 245; p. 377.
- Tooth shade-guide. H. H. Leuchsenring. No. 1,244,994; Oct. 30; v. 243; p. 1239.
- Toothed wheel. H. W. Alden and R. B. Weaver. No. 1,231,321; June 26; v. 239; p. 1111.
- Toothpick. F. L. Baxter. No. 1,217,264; Feb. 27; v. 235; p. 1105.
- Toothpick-holder. T. Bartholomew. No. 1,227,031; May 22; v. 238; p. 1130.
- Toothpick-holder. F. Jackson. No. 1,212,357; Jan. 16; v. 234; p. 747.
- Toothpick-holder. J. G. Lannoye. No. 1,214,327; Jan. 30; v. 234; p. 1496.
- Toothpick-holder. A. Rodal. No. 1,243,344; Oct. 16; v. 243; p. 667.
- Toothpick-machine. E. Greenwood. No. 1,220,096; Mar. 20; v. 236; p. 836.
- Toothpicks, Veneer-making machine for the manufacture of. G. R. Woodsum. No. 1,243,909; Oct. 23; v. 243; p. 875.
- Top-bow clamp. W. G. Kaiser. No. 1,249,634; Dec. 11; v. 245; p. 379.
- Top, One-man. G. H. Higgins. No. 1,217,120; Feb. 20; v. 235; p. 1012.
- Topography, Instrument for use in. A. W. Bjornstad. No. 1,219,430; Mar. 20; v. 236; p. 603.
- Torch. K. Bruhin. No. 1,251,179; Dec. 25; v. 245; p. 924.
- Torch. A. F. Carlson. No. 1,247,790; Nov. 27; v. 244; p. 882.
- Torch. A. F. Carlson. No. 1,247,791; Nov. 27; v. 244; p. 882.
- Torch. A. J. and I. F. Fausek. No. 1,246,573; Nov. 13; v. 244; p. 460.
- Torch. P. Kearny. No. 1,235,902; Aug. 7; v. 241; p. 122.
- Torch. L. Stettner. No. 1,216,875; Feb. 20; v. 235; p. 929.
- Torch. J. G. Wallace. No. 1,233,423; July 17; v. 240; p. 690.
- Torch, Acetylene-. N. Barry and C. Allen. No. 1,248,994; Dec. 4; v. 245; p. 164.
- Torch and melting-pot. J. T. Bishop. No. 1,237,460; Aug. 21; v. 241; p. 691.
- Torch and soldering-iron, Combined blow-. W. J. Herzog. No. 1,249,625; Dec. 11; v. 245; p. 376.
- Torch, Blow-. G. E. Holmgren. No. 1,236,172; Aug. 7; v. 241; p. 207.
- Torch, Cutting-. J. Harris. No. 1,217,119; Feb. 20; v. 235; p. 1012.
- Torch, Gas-. E. Becher. No. 1,214,880; Feb. 6; v. 235; p. 138.
- Torch, Gas-. R. J. J. Mueller. No. 1,222,319; Apr. 10; v. 237; p. 492.
- Torch, Gasoline-. J. B. Blackwell. No. 1,240,117; Sept. 11; v. 242; p. 470.
- Torch, Hand-. V. M. Bearer. No. 1,237,995; Aug. 21; v. 241; p. 861.
- Torch holding and guiding means. T. M. Butler. No. 1,238,257; Aug. 28; v. 241; p. 981.
- Torch, Kerosene-. A. E. Hauck. No. 1,216,115; Feb. 13; v. 235; p. 612.
- Torch, Oil-vapor-heating. P. L. Geer. No. 1,233,217; July 10; v. 240; p. 587.

Alphabetical list of inventions—Continued.

- Torch or burner. S. T. Taylor. No. 1,231,969; July 3; v. 240; p. 145.
- Torch, Ox-acetylene cutting and welding. T. A. Errett. No. 1,244,042; Oct. 23; v. 243; p. 914.
- Torch, Ox-acetylene. A. F. Jenkins. No. 1,228,676; June 5; v. 239; p. 103.
- Torch, Oxygen-acetylene welding. P. L. Geer. No. 1,236,833; Aug. 14; v. 241; p. 453.
- Torch, Portable. A. F. Jenkins. (Reissue.) No. 14,396; Nov. 20; v. 244; p. 795.
- Torch, Sealing-wax. W. S. Martin. No. 1,217,324; Feb. 27; v. 235; p. 1125.
- Torch, Self-generating heating. P. L. Geer. No. 1,236,699; Aug. 14; v. 241; p. 410.
- Torch, Welding. I. U. Marlin. No. 1,228,038; May 29; v. 238; p. 1497.
- Torch, Welding. E. R. Nash. No. 1,230,204; June 19; v. 239; p. 699.
- Torch, Welding. R. Vuilleumier. No. 1,214,727; Feb. 6; v. 235; p. 87.
- Torch, Welding and soldering. A. Messer. No. 1,214,055; Jan. 30; v. 234; p. 1401.
- Torches, Controlling-valve for acetylene cutting and welding. W. W. Von Todenwarth. No. 1,222,164; Apr. 10; v. 237; p. 438.
- Torpedo. A. Extrand. No. 1,212,468; Jan. 16; v. 234; p. 786.
- Torpedo. L. J. Krivohlany. No. 1,217,016; Feb. 20; v. 235; p. 976.
- Torpedo, Aerial. C. Barrett. No. 1,228,281; May 29; v. 238; p. 1575.
- Torpedo, Aerial. J. J. Duffy. No. 1,221,426; Apr. 3; v. 237; p. 149.
- Torpedo, Aeromarine. J. A. Steinmetz. No. 1,223,212; Apr. 17; v. 237; p. 844.
- Torpedo and submarine guard. J. A. Steinmetz. No. 1,219,879; Mar. 20; v. 236; p. 760.
- Torpedo, Automatic air-. O. A. Langos. No. 1,220,242; Mar. 27; v. 236; p. 924.
- Torpedo, Automobile. C. Davis. No. 1,234,737; July 31; v. 240; p. 1183.
- Torpedo-catcher and mine-destroyer. H. O'Grady. No. 1,217,812; Feb. 27; v. 235; p. 1298.
- Torpedo construction, Separable. H. W. Shonnard. No. 1,250,235; Dec. 18; v. 245; p. 594.
- Torpedo-discharging turret, Submersible. J. A. Steinmetz. No. 1,247,889; Nov. 27; v. 244; p. 909.
- Torpedo, Fiber-case railway-. F. Dutcher. No. 1,211,113; Jan. 2; v. 234; p. 253.
- Torpedo, Fiber-case railway-. F. Dutcher. No. 1,211,114; Jan. 2; v. 234; p. 253.
- Torpedo, Fiber railway signal-. F. Dutcher. No. 1,242,663; Oct. 9; v. 243; p. 421.
- Torpedo-firing control and signal apparatus for torpedo-boats. E. G. Gallagher. No. 1,222,198; Apr. 10; v. 237; p. 450.
- Torpedo, Flying. E. Berliner. No. 1,228,522; June 5; v. 239; p. 51.
- Torpedo-guard. H. De Corte. No. 1,243,143; Oct. 16; v. 243; p. 606.
- Torpedo-guard. H. De Corte. No. 1,243,144; Oct. 16; v. 243; p. 606.
- Torpedo-guard. H. J. De Rosa. No. 1,244,963; Oct. 30; v. 243; p. 1230.
- Torpedo-guard. J. Levy. No. 1,240,152; Sept. 11; v. 242; p. 480.
- Torpedo-guard. P. R. Overlin. No. 1,249,470; Dec. 11; v. 245; p. 331.
- Torpedo-guard. E. S. Stanton. No. 1,235,076; July 31; v. 240; p. 1288.
- Torpedo-guard and mine-catcher. A. C. Louthan. No. 1,232,060; July 3; v. 240; p. 177.
- Torpedo-guard, Automatic. J. and A. Morch. No. 1,249,170; Dec. 4; v. 245; p. 214.
- Torpedo-guard for ships. K. O. Anker. No. 1,238,977; Sept. 4; v. 242; p. 83.
- Torpedo-guard for ships. A. Carlson and F. A. Swanson. No. 1,218,371; Mar. 6; v. 236; p. 168.
- Torpedo-guard for ships. L. Miller. No. 1,247,439; Nov. 20; v. 244; p. 745.
- Torpedo-guard for vessels. P. T. Jackson, Jr. No. 1,247,686; Nov. 27; v. 244; p. 849.
- Torpedo-guard for vessels. H. Price. No. 1,248,708; Dec. 4; v. 245; p. 83.
- Torpedo-guard for vessels. C. Sokolowski. No. 1,249,844; Dec. 11; v. 245; p. 441.
- Torpedo-guard for war-ships. N. F. Rodzikevitch. No. 1,225,498; May 8; v. 238; p. 530.
- Torpedo guard-net. L. Johnson. No. 1,249,107; Dec. 4; v. 245; p. 196.
- Torpedo, Illuminated. A. Fernandez. No. 1,232,671; July 10; v. 240; p. 409.
- Torpedo-launching apparatus. A. Fernandez. No. 1,235,782; Aug. 7; v. 241; p. 83.
- Torpedo, Land-. A. Must. No. 1,219,028; Mar. 13; v. 236; p. 436.
- Torpedo, Land-. V. A. Villar and S. C. Talbot. No. 1,211,015; Jan. 2; v. 234; p. 222.
- Torpedo-launching apparatus. R. H. Goldsborough. No. 1,245,334; Nov. 6; v. 244; p. 58.
- Torpedo-launching apparatus for submarine boats. S. Lake. No. 1,215,387; Feb. 13; v. 235; p. 349.
- Torpedo, Magnetically-self-controlled. C. F. Hover. No. 1,250,178; Dec. 18; v. 245; p. 577.
- Torpedo-net. E. A. Clark. No. 1,240,317; Sept. 18; v. 242; p. 573.
- Torpedo-net. E. Scheelke. No. 1,240,495; Sept. 18; v. 242; p. 628.
- Torpedo-net. R. J. Smith. No. 1,242,611; Oct. 9; v. 243; p. 405.
- Torpedo or mine guard. A. L. McKelvey. No. 1,243,848; Oct. 23; v. 243; p. 856.
- Torpedo-protecting device for ships. C. Smyrski and J. Lorenc. No. 1,248,940; Dec. 4; v. 245; p. 150.
- Torpedo protection. S. L. G. Knox. No. 1,243,427; Oct. 16; v. 243; p. 691.
- Torpedo, Radio-controlled. A. E. Ericson. No. 1,228,892; June 5; v. 239; p. 176.
- Torpedo, Railway signal-. F. Dutcher. No. 1,230,570; June 19; v. 239; p. 821.
- Torpedo, Railway signal-. F. Dutcher. No. 1,233,562; July 17; v. 240; p. 737.
- Torpedo, Railway signal-. F. Dutcher. No. 1,250,819; Dec. 18; v. 245; p. 769.
- Torpedo-shield for vessels. J. O. Travelstead. No. 1,223,536; Apr. 24; v. 237; p. 989.
- Torpedo shield, Marine-. C. La Mura. No. 1,243,956; Oct. 23; v. 243; p. 888.
- Torpedo steering-gear. W. Dieter. No. 1,233,761; July 17; v. 240; p. 799.
- Torpedo-steering mechanism, Aerial-. L. J. Husted. No. 1,222,630; Apr. 17; v. 237; p. 645.
- Torpedo, Submarine. W. R. Gillis. No. 1,218,546; Mar. 6; v. 236; p. 227.
- Torpedo, Track-. H. W. Kelly. No. 1,248,667; Dec. 4; v. 245; p. 71.
- Torpedo, Track-. H. W. Kelly. No. 1,248,668; Dec. 4; v. 245; p. 72.
- Torpedo, Track-. H. W. Kelly. No. 1,248,669; Dec. 4; v. 245; p. 72.
- Torpedo, Track-. H. W. Kelly. No. 1,248,670; Dec. 4; v. 245; p. 72.
- Torpedo, Track-. H. W. Kelly. No. 1,249,113; Dec. 4; v. 245; p. 197.
- Torpedo-tubes, Breech for. O. M. Leonard. No. 1,247,417; Nov. 20; v. 244; p. 739.
- Torpedoes, Device for the recovery of. J. J. Joyce. No. 1,216,132; Feb. 13; v. 235; p. 620.
- Torpedoes, Means for storing, loading, and discharging. E. Cerio. No. 1,242,768; Oct. 9; v. 243; p. 454.
- Torpedoes, Reducing-valve for automobile. W. Dieter. No. 1,211,104; Jan. 2; v. 234; p. 249.
- Tortilla-making machine. R. Gutiérrez. No. 1,229,946; June 12; v. 239; p. 577.
- Tote-box. R. S. Brown. No. 1,221,789; Apr. 3; v. 237; p. 272.
- Tow from flax and similar plants, Manufacturing. J. L. Merrill. No. 1,222,968; Apr. 17; v. 237; p. 760.
- Tow-line connector. G. W. Smith. No. 1,222,480; Apr. 10; v. 237; p. 551.
- Towing and steering device. A. Schroeder. No. 1,221,608; Apr. 3; v. 237; p. 211.
- Towing crib or hull. F. A. Emerick. No. 1,229,426; June 12; v. 239; p. 404.
- Towel and napkin supporter. O. Seydel. No. 1,237,564; Aug. 21; v. 241; p. 725.
- Towel-holder. F. N. Brisley. No. 1,221,279; Apr. 3; v. 237; p. 99.
- Towel-holder. C. J. Kern. No. 1,229,475; June 12; v. 239; p. 421.
- Towel-holder. A. S. Moffat. No. 1,218,103; Mar. 6; v. 236; p. 75.
- Towel-holder. G. H. Reimer. No. 1,233,506; July 17; v. 240; p. 717.
- Towel-holder. G. H. Reimer. No. 1,235,600; Aug. 7; v. 241; p. 23.
- Towel-holder. T. J. Sherman. No. 1,227,965; May 29; v. 238; p. 1473.
- Towel holder, Multiple. F. W. Stockton. No. 1,241,778; Oct. 2; v. 243; p. 98.
- Towel-holding apparatus. C. H. Chadwick. No. 1,224,137; May 1; v. 238; p. 7.
- Towel, napkin, and drapery hanger. J. A. Ostman and B. A. Anderson. No. 1,221,582; Apr. 3; v. 237; p. 204.
- Towel-paper holder. R. N. Shelly. No. 1,231,797; July 3; v. 240; p. 87.
- Towel-rack. H. A. Ammann. No. 1,248,984; Dec. 4; v. 245; p. 162.
- Towel-rack. M. A. Gilliland. No. 1,227,421; May 22; v. 238; p. 1257.
- Towel-rack. O. Wallin. No. 1,248,760; Dec. 4; v. 245; p. 99.
- Towel-service apparatus, Coin-controlled. R. S. Corlett. No. 1,222,533; Apr. 10; v. 237; p. 568.
- Towel-serving apparatus. C. E. Anderson. No. 1,225,390; May 8; v. 238; p. 495.
- Towels, Apparatus for controlling use of. R. S. Corlett. No. 1,222,532; Apr. 10; v. 237; p. 568.
- Tower, Extension-. J. V. Grandinetti. No. 1,222,200; Apr. 10; v. 237; p. 451.
- Tower structure. J. E. Head. No. 1,250,167; Dec. 18; v. 245; p. 573.
- Tov. W. G. Anderson. No. 1,236,896; Aug. 14; v. 241; p. 472.
- Tov. W. A. Banks. No. 1,250,266; Dec. 18; v. 245; p. 603.
- Tov. J. A. Beamisdorfer. No. 1,214,122; Jan. 30; v. 234; p. 1423.

- Toy. A. Bianchi. No. 1,249,004; Dec. 4; v. 245; p. 168.
 Toy. F. A. Brunel. No. 1,248,068; Nov. 27; v. 244; p. 957.
 Toy. P. H. Cherry. No. 1,212,903; Jan. 16; v. 234; p. 939.
 Toy. W. A. Coventry. No. 1,236,676; Aug. 14; v. 241; p. 402.
 Toy. W. E. Cressman. No. 1,227,393; May 22; v. 238; p. 1249.
 Toy. H. F. Cuntz. No. 1,233,320; July 17; v. 240; p. 655.
 Toy. C. F. Denman. No. 1,241,937; Oct. 2; v. 243; p. 150.
 Toy. J. C. Dettra. No. 1,235,771; Aug. 7; v. 241; p. 78.
 Toy. F. L. Dyer. No. 1,234,885; July 31; v. 240; p. 1228.
 Toy. W. T. Ensign and S. A. Almida. No. 1,212,332; Jan. 16; v. 234; p. 739.
 Toy. L. E. Estler. No. 1,222,858; Apr. 17; v. 237; p. 723.
 Toy. P. H. Fay. No. 1,248,639; Dec. 4; v. 245; p. 63.
 Toy. A. J. Gibbs. No. 1,230,574; June 19; v. 239; p. 823.
 Toy. A. J. Gibbs. No. 1,230,575; June 19; v. 239; p. 823.
 Toy. E. W. Gibbs. No. 1,233,866; July 17; v. 240; p. 834.
 Toy. B. R. Gilpin. No. 1,218,852; Mar. 13; v. 236; p. 376.
 Toy. L. Glenn. No. 1,237,198; Aug. 14; v. 241; p. 567.
 Toy. H. J. Haigh. No. 1,243,287; Oct. 16; v. 243; p. 649.
 Toy. A. M. Harris. No. 1,217,865; Feb. 27; v. 235; p. 1315.
 Toy. W. H. Hultgren. No. 1,227,268; May 22; v. 238; p. 1210.
 Toy. R. E. Humbert. No. 1,224,643; May 1; v. 238; p. 188.
 Toy. T. J. Irwin. No. 1,218,405; Mar. 6; v. 236; p. 179.
 Toy. H. Jablonowsky. No. 1,223,696; Apr. 24; v. 237; p. 1046.
 Toy. J. E. Jewell. No. 1,242,194; Oct. 9; v. 243; p. 271.
 Toy. J. J. Kennedy. No. 1,211,590; Jan. 9; v. 234; p. 449.
 Toy. E. Levay and E. Sas. No. 1,242,820; Oct. 9; v. 243; p. 470.
 Toy. A. L. Loomis. No. 1,222,005; Apr. 10; v. 237; p. 382.
 Toy. J. J. Manchester. No. 1,241,535; Oct. 2; v. 243; p. 20.
 Toy. W. C. and C. R. Martineau. No. 1,231,770; July 3; v. 240; p. 78.
 Toy. F. W. Matthews. No. 1,210,666; Jan. 2; v. 234; p. 101.
 Toy. W. G. McIntosh. No. 1,224,398; May 1; v. 238; p. 102.
 Toy. W. Meyner. No. 1,216,589; Feb. 20; v. 235; p. 833.
 Toy. W. Meyner. No. 1,216,590; Feb. 20; v. 235; p. 833.
 Toy. W. Meyner. No. 1,223,508; Apr. 24; v. 237; p. 979.
 Toy. E. E. Morrison. No. 1,237,940; Aug. 21; v. 241; p. 843.
 Toy. C. C. Muldner, Jr. No. 1,238,554; Aug. 28; v. 241; p. 1077.
 Toy. R. J. Mulvey. No. 1,241,000; Sept. 25; v. 242; p. 817.
 Toy. H. A. Myers. No. 1,211,479; Jan. 9; v. 234; p. 411.
 Toy. W. Pente. No. 1,231,059; June 26; v. 239; p. 1023.
 Toy. F. R. Rhodes. No. 1,222,996; Apr. 17; v. 237; p. 770.
 Toy. J. A. Rudisill. No. 1,250,024; Dec. 11; v. 245; p. 492.
 Toy. J. Somogyi. No. 1,247,342; Nov. 20; v. 244; p. 717.
 Toy. H. Sotom. No. 1,249,538; Dec. 11; v. 245; p. 351.
 Toy. D. V. Tantiinger. No. 1,228,147; May 29; v. 238; p. 1532.
 Toy. W. B. Thurman. No. 1,224,430; May 1; v. 238; p. 115.
 Toy. J. H. Warner. No. 1,225,379; May 8; v. 238; p. 492.
 Toy. A. R. Weich. No. 1,237,846; Aug. 21; v. 241; p. 814.
 Toy. G. H. Williamson. No. 1,216,195; Feb. 13; v. 235; p. 641.
 Toy. Advertising. L. C. Robbins. No. 1,227,319; May 22; v. 238; p. 1225.
 Toy. Alphabetical construction. C. H. Pajean. No. 1,241,009; Sept. 25; v. 242; p. 820.
 Toy. Ambulatory. T. D. Woolson. No. 1,216,906; Feb. 20; v. 235; p. 938.
 Toy animal. C. J. Dorsey. No. 1,240,181; Sept. 18; v. 242; p. 528.
 Toy animal. A. J. Frueh. No. 1,227,129; May 22; v. 238; p. 1164.
 Toy animal, Sectional. A. H. Sweet. No. 1,239,982; Sept. 11; v. 242; p. 431.
 Toy, Aquatic. F. W. Brown. No. 1,244,948; Oct. 30; v. 243; p. 1226.
 Toy, Automatic. B. F. Bain. No. 1,244,455; Oct. 30; v. 243; p. 1075.
 Toy, Balanced. C. H. Pajean. No. 1,235,050; July 31; v. 240; p. 1281.
 Toy, Balancing. H. Fredrick. No. 1,235,306; July 31; v. 240; p. 1358.
 Toy ball. C. O. Griffin. No. 1,236,290; Aug. 7; v. 241; p. 244.
 Toy ball-thrower. G. Rubel. No. 1,210,847; Jan. 2; v. 234; p. 160.
 Toy balloon. C. H. Cohn. No. 1,217,277; Feb. 27; v. 235; p. 1110.
 Toy balloon. J. E. Cooney. No. 1,241,822; Oct. 2; v. 243; p. 113.
 Toy balloon. F. J. Creque. No. 1,245,444; Nov. 6; v. 244; p. 90.
 Toy balloon. T. W. Miller. No. 1,211,369; Jan. 2; v. 234; p. 338.
 Toy balloon. T. W. Miller. No. 1,220,874; Mar. 27; v. 236; p. 1143.
 Toy balloon and lighting effect. Illuminated. A. Salzer. No. 1,229,794; June 12; v. 239; p. 527.
 Toy bank. W. R. Doerwald. No. 1,211,299; Jan. 2; v. 234; p. 317.
 Toy block. E. R. Douglass. No. 1,234,883; July 31; v. 240; p. 1227.
 Toy body and making the same. Automobile. U. Kawasaki. No. 1,249,967; Dec. 11; v. 245; p. 476.
 Toy bridge. J. Chein. No. 1,248,617; Dec. 4; v. 245; p. 57.
 Toy building-block. A. D. Converse. No. 1,250,971; Dec. 25; v. 245; p. 863.
 Toy building-block. J. H. Ramsey, V. C. Huntington, and C. M. Hyatt. No. 1,216,840; Feb. 20; v. 235; p. 916.
 Toy building-block. O. R. Troje. No. 1,236,234; Aug. 7; v. 241; p. 228.
 Toy building construction. H. W. Angus and A. W. Chamberlin. No. 1,240,807; Sept. 25; v. 242; p. 756.
 Toy building construction. A. C. Gilbert. No. 1,230,887; June 26; v. 239; p. 964.
 Toy building construction. A. C. Gilbert. No. 1,231,728; July 3; v. 240; p. 65.
 Toy building construction. A. C. Gilbert. No. 1,232,463; July 3; v. 240; p. 306.
 Toy building element. F. Reiss. No. 1,241,281; Sept. 25; v. 242; p. 908.
 Toy cannon. G. C. Lasares. No. 1,218,093; Mar. 6; v. 236; p. 71.
 Toy cannon. W. O. McDaniel. No. 1,244,876; Oct. 30; v. 243; p. 1204.
 Toy cannon. C. C. Murray. No. 1,248,378; Nov. 27; v. 244; p. 1046.
 Toy cannon, Rapid-fire. J. R. Tobin. No. 1,223,448; Apr. 24; v. 237; p. 956.
 Toy cap-pistol. J. Andersen. No. 1,216,258; Feb. 20; v. 235; p. 715.
 Toy car. J. Chein. No. 1,248,618; Dec. 4; v. 245; p. 57.
 Toy car. J. Chein. No. 1,248,619; Dec. 4; v. 245; p. 57.
 Toy cash-register. A. E. Jacobs. No. 1,227,054; May 22; v. 238; p. 1137.
 Toy, Child's. E. T. Caldicott. No. 1,223,765; Apr. 24; v. 237; p. 1070.
 Toy, Combination. D. G. Preston, Jr. No. 1,247,003; Nov. 20; v. 244; p. 621.
 Toy construction-blocks. A. C. Gilbert. (Reissue.) No. 1,250,971; Jan. 16; v. 234; p. 1021.
 Toy construction member. W. B. Smith. No. 1,212,700; Jan. 16; v. 234; p. 871.
 Toy, Cut-out alphabet. W. H. S. Alexander. No. 1,230,263; June 19; v. 239; p. 719.
 Toy, Detonating. W. F. Gehrig. No. 1,240,434; Sept. 18; v. 242; p. 609.
 Toy, Disappearing and recurring revolving-target. H. A. Hart. No. 1,212,943; Jan. 16; v. 234; p. 952.
 Toy-doll walker. G. A. Baker. No. 1,248,788; Dec. 4; v. 245; p. 107.
 Toy draft-animal. W. Ojczyk. No. 1,243,208; Oct. 16; v. 243; p. 627.
 Toy dump-wagon. H. T. Kingsbury. No. 1,224,935; May 8; v. 238; p. 340.
 Toy, Educational. J. H. Dixon. No. 1,248,286; Nov. 27; v. 244; p. 1021.
 Toy, Educational magnetic. A. V. Diehl. No. 1,225,787; May 15; v. 238; p. 671.
 Toy electric motor. F. C. Basinger. No. 1,234,261; July 24; v. 240; p. 997.
 Toy, Electrical. G. S. Elliott. No. 1,223,375; Apr. 24; v. 237; p. 930.
 Toy, Electrical. A. B. Wilder. No. 1,226,835; May 22; v. 238; p. 1061.
 Toy, Electromechanical. W. E. Thayer. No. 1,230,625; June 19; v. 239; p. 840.
 Toy, Figure. W. Boutilier. No. 1,235,422; July 31; v. 240; p. 1391.
 Toy, Figure. W. L. Hadlock. No. 1,221,314; Apr. 3; v. 237; p. 110.
 Toy figure. H. A. Hart. No. 1,212,218; Jan. 16; v. 234; p. 695.
 Toy, Figure. H. A. Hart. No. 1,212,941; Jan. 16; v. 234; p. 951.
 Toy, Figure. F. W. Heatlie. No. 1,229,953; June 12; v. 239; p. 579.
 Toy, Figure. O. N. Hildeton. No. 1,223,280; Apr. 17; v. 237; p. 864.
 Toy, Figure. T. Irwin. No. 1,236,087; Aug. 7; v. 241; p. 180.
 Toy, Figure. J. Pecora and D. Smoldone. No. 1,220,451; Mar. 27; v. 236; p. 999.
 Toy, Figure. W. Pente. No. 1,232,601; July 10; v. 240; p. 386.

Alphabetical list of inventions—Continued.

- Toy, Figure. C. Salter. No. 1,237,390; Aug. 21; v. 241; p. 670.
- Toy, Figure. J. M. Simon. No. 1,210,992; Jan. 2; v. 234; p. 213.
- Toy, Figure. M. Smolik. No. 1,210,999; Jan. 2; v. 234; p. 215.
- Toy figure, Jointed. E. J. Read. No. 1,211,232; Jan. 2; v. 234; p. 295.
- Toy, Figure wheeled. G. W. Bonte. No. 1,230,847; June 26; v. 239; p. 951.
- Toy, Figure wheeled. F. R. Cardinal. No. 1,248,072; Nov. 27; v. 244; p. 959.
- Toy, Figure wheeled. J. V. Di Zerega. No. 1,223,372; Apr. 24; v. 237; p. 929.
- Toy, Figure wheeled. J. Hugler. No. 1,243,295; Oct. 16; v. 243; p. 651.
- Toy, Figure wheeled. M. Maisel. No. 1,247,126; Nov. 20; v. 244; p. 656.
- Toy, Figure wheeled. A. Mozdierz. No. 1,230,202; June 19; v. 239; p. 698.
- Toy, Figure wheeled. C. Seidel. No. 1,248,729; Dec. 4; v. 245; p. 90.
- Toy flier. C. Osborn. No. 1,215,842; Feb. 13; v. 235; p. 514.
- Toy, Flying. W. P. and J. H. Bower. No. 1,218,835; Mar. 13; v. 236; p. 369.
- Toy gun. J. B. Aley. No. 1,231,833; July 3; v. 240; p. 101.
- Toy gun. S. Chalikian. No. 1,218,169; Mar. 6; v. 236; p. 97.
- Toy gun. J. W. Gordon. No. 1,215,926; Feb. 13; v. 235; p. 544.
- Toy gun. C. F. Henderson. No. 1,234,163; July 24; v. 240; p. 965.
- Toy gun. H. H. Kempf. No. 1,249,114; Dec. 4; v. 245; p. 197.
- Toy gun. T. E. Moon. No. 1,226,273; May 15; v. 238; p. 840.
- Toy gun. G. W. Newton. No. 1,211,870; Jan. 9; v. 234; p. 547.
- Toy gun. H. B. Palmer. No. 1,232,384; July 3; v. 240; p. 282.
- Toy gun. R. F. Settles. No. 1,250,523; Dec. 18; v. 245; p. 680.
- Toy gun, Rapid-fire. N. L. Beatty. No. 1,217,553; Feb. 27; v. 235; p. 1209.
- Toy helicopter. J. W. Pecinovsky. No. 1,213,943; Jan. 30; v. 234; p. 1361.
- Toy horn. H. E. Enck. No. 1,247,942; Nov. 27; v. 244; p. 924.
- Toy, Inflatable. M. H. Eiseman. No. 1,216,425; Feb. 20; v. 235; p. 775.
- Toy kick-car. C. E. Brown. No. 1,213,454; Jan. 23; v. 234; p. 1165.
- Toy ladder-truck. H. T. Kingsbury. No. 1,229,975; June 12; v. 239; p. 585.
- Toy locomotive. J. Chein. No. 1,248,616; Dec. 4; v. 245; p. 57.
- Toy, Mechanical. B. F. Bain. No. 1,244,456; Oct. 30; v. 243; p. 1075.
- Toy, Mechanical. B. F. Bain. No. 1,244,457; Oct. 30; v. 243; p. 1076.
- Toy, Mechanical. R. B. Bliss. No. 1,217,885; Feb. 27; v. 235; p. 1321.
- Toy, Mechanical. J. Ciaffone. No. 1,217,704; Feb. 27; v. 235; p. 1261.
- Toy, Mechanical. H. J. Cole. No. 1,247,226; Nov. 20; v. 244; p. 685.
- Toy, Mechanical. H. S. Coleman. No. 1,245,089; Oct. 30; v. 243; p. 1268.
- Toy, Mechanical. M. M. Deibel. No. 1,221,699; Apr. 3; v. 237; p. 242.
- Toy, Mechanical. J. W. Hart. No. 1,219,099; Mar. 13; v. 236; p. 459.
- Toy, Mechanical. K. McLoney. No. 1,249,797; Dec. 11; v. 245; p. 427.
- Toy, Mechanical. S. Paterno. No. 1,216,353; Feb. 20; v. 235; p. 748.
- Toy, Mechanical. J. J. Sabin. No. 1,214,377; Jan. 30; v. 234; p. 1512.
- Toy, Mechanical. J. Wilhelm and C. A. Kays. No. 1,226,155; May 15; v. 238; p. 796.
- Toy motor, Electric. J. M. Fisher. No. 1,232,673; July 10; v. 240; p. 410.
- Toy-motor installation. A. C. Gilbert. No. 1,219,452; Mar. 20; v. 236; p. 610.
- Toy, Movable. R. J. Burhen. No. 1,246,540; Nov. 13; v. 244; p. 449.
- Toy moving-picture theater. A. L. Bowen. No. 1,237,161; Aug. 14; v. 241; p. 557.
- Toy Musical. H. A. Grass. No. 1,225,733; May 8; v. 238; p. 609.
- Toy, Musical. F. A. Hoschke. No. 1,247,680; Nov. 27; v. 244; p. 847.
- Toy mustache. F. H. Hainert, Jr. No. 1,214,028; Jan. 30; v. 234; p. 1392.
- Toy or amusement device, Figure. C. A. Walker and E. A. Schneider. No. 1,216,632; Feb. 20; v. 235; p. 847.
- Toy or appliance for playing a game. R. W. Haigh. No. 1,229,260; June 12; v. 239; p. 348.
- Toy or educational device. J. I. Crump. No. 1,224,363; May 1; v. 238; p. 90.
- Toy or game, Mechanical. S. S. Wells. No. 1,222,829; Apr. 17; v. 237; p. 713.
- Toy or the like, Automatically-operating. C. Berger. No. 1,243,380; Oct. 16; v. 243; p. 677.
- Toy parachute. J. M. Smith. No. 1,218,330; Mar. 6; v. 236; p. 155.
- Toy phonograph. L. A. Collins. No. 1,245,568; Nov. 6; v. 244; p. 129.
- Toy pistol. S. B. Brown. No. 1,250,425; Dec. 18; v. 245; p. 651.
- Toy pistol. J. D. Kilgore. No. 1,225,821; May 15; v. 238; p. 683.
- Toy pistol. H. C. Struchen. No. 1,213,432; Jan. 23; v. 234; p. 1157.
- Toy pistol. W. H. Ward. No. 1,245,074; Oct. 30; v. 243; p. 1263.
- Toy pistol. L. Ziegler. No. 1,232,469; July 3; v. 240; p. 308.
- Toy, Pneumatic. W. W. Rutter. No. 1,242,870; Oct. 9; v. 243; p. 486.
- Toy projectile. O. R. Troje. No. 1,229,170; June 5; v. 239; p. 267.
- Toy, Pyrotechnical. G. H. Peal. No. 1,246,315; Nov. 13; v. 244; p. 380.
- Toy railway. W. J. Boemper. No. 1,237,287; Aug. 21; v. 241; p. 635.
- Toy, Railway. G. A. D'Oench. No. 1,244,182; Oct. 23; v. 243; p. 954.
- Toy repeating gun. C. B. Osborn. No. 1,213,683; Jan. 23; v. 234; p. 1243.
- Toy, Revolving. A. B. Tilton. No. 1,223,643; Apr. 24; v. 237; p. 1026.
- Toy rifle. J. R. Sandage. No. 1,226,016; May 15; v. 238; p. 749.
- Toy, Rocking. C. H. Reynolds. No. 1,244,371; Oct. 23; v. 243; p. 1011.
- Toy roundabout. P. T. Wolpert. No. 1,240,285; Sept. 18; v. 242; p. 562.
- Toy, Sand. M. V. Noyes. No. 1,248,532; Dec. 4; v. 245; p. 30.
- Toy, Sand-mill. H. J. Cole. No. 1,213,076; Jan. 16; v. 234; p. 998.
- Toy, Sand-wheel. J. A. Petrie. No. 1,247,145; Nov. 20; v. 244; p. 661.
- Toy, Self-propelled explosive. O. F. Haberland. No. 1,247,108; Nov. 20; v. 244; p. 651.
- Toy shell. W. R. Mulock. No. 1,247,989; Nov. 27; v. 244; p. 938.
- Toy, Sounding. B. Buchler. No. 1,219,241; Mar. 13; v. 236; p. 508.
- Toy, Sounding. C. H. Camp and F. H. Clay. No. 1,233,445; July 17; v. 240; p. 697.
- Toy, Sounding. G. A. Heimer. No. 1,234,472; July 24; v. 240; p. 1067.
- Toy, Sounding. L. Leombruni. No. 1,225,445; May 8; v. 238; p. 514.
- Toy spectacles. O. E. Olson. No. 1,249,870; Dec. 11; v. 245; p. 431.
- Toy, Structural. R. J. Hosken. No. 1,213,374; Jan. 23; v. 234; p. 1137.
- Toy, Structural. W. B. Thurman. No. 1,241,682; Oct. 2; v. 243; p. 68.
- Toy, Structural. W. B. Thurman. No. 1,242,272; Oct. 9; v. 243; p. 295.
- Toy, Structural. W. B. Thurman. No. 1,242,273; Oct. 9; v. 243; p. 295.
- Toy, Structural. F. A. Wagner. No. 1,242,892; Oct. 9; v. 243; p. 493.
- Toy swing. I. M. Frederick. No. 1,211,930; Jan. 9; v. 234; p. 570.
- Toy swing, Acrobatic. F. C. Howe. No. 1,247,115; Nov. 20; v. 244; p. 653.
- Toy, Swinging. F. C. Howe. No. 1,217,309; Feb. 27; v. 235; p. 1120.
- Toy target. J. W. Gordon. No. 1,215,927; Feb. 13; v. 235; p. 544.
- Toy, Target. H. A. Hart. No. 1,212,942; Jan. 16; v. 234; p. 952.
- Toy telephone system. J. S. Newman. No. 1,239,508; Sept. 11; v. 242; p. 280.
- Toy top. L. Weiner. No. 1,242,094; Oct. 2; v. 243; p. 198.
- Toy train-tracks, Metallic sleeper for mechanical. J. Stack. No. 1,237,720; Aug. 21; v. 241; p. 776.
- Toy vehicle. L. A. Brigel. No. 1,244,169; Oct. 23; v. 243; p. 951.
- Toy vehicle. H. A. Webb. No. 1,243,465; Oct. 16; v. 243; p. 701.
- Toy vehicle, Child's. C. W. White. No. 1,220,038; Mar. 20; v. 236; p. 813.
- Toy vehicles, Actuating device for. E. B. Shafer. No. 1,239,729; Sept. 11; v. 242; p. 351.
- Toy vehicles, Frame construction for. H. T. Kingsbury. No. 1,234,479; July 24; v. 240; p. 1069.
- Toy wagon. L. H. Kirk. No. 1,244,506; Oct. 30; v. 243; p. 1091.
- Toy war-ship. H. T. Welch. No. 1,213,046; Jan. 16; v. 234; p. 988.
- Toy, Wheeled. W. A. Coventry. No. 1,236,149; Aug. 7; v. 241; p. 199.
- Toy, Wheeled. A. B. Foans. No. 1,235,455; July 31; v. 240; p. 1400.
- Toy, Wheeled. J. C. Turner. No. 1,225,894; May 15; v. 238; p. 706.
- Toy, Wheeled. T. M. Vaughan. No. 1,225,082; May 8; v. 238; p. 389.

- Toy. Wheeled figure. L. Morse. No. 1,223,287; Apr. 17; v. 237; p. 866.
- Toy. Whirling. J. Mankos. No. 1,217,037; Feb. 20; v. 235; p. 983.
- Toys, packaging. W. A. Coventry. No. 1,236,677; Aug. 14; v. 241; p. 402.
- Toys, Spring-motor for mechanical. H. T. Kingsbury. No. 1,229,974; June 12; v. 239; p. 585.
- Trace. B. Jakeway. No. 1,231,547; June 26; v. 239; p. 1134.
- Trace connection, Safety-. A. Thomson. No. 1,241,304; Sept. 25; v. 242; p. 915.
- Trace-fastener. O. A. Russell. No. 1,224,023; Apr. 24; v. 237; p. 1158.
- Trace, Harness-. F. W. Hodges. No. 1,233,233; July 10; v. 240; p. 592.
- Trace-holder. S. K. Haines. No. 1,225,621; May 8; v. 238; p. 573.
- Trace-hook. O. Shearer. No. 1,216,860; Feb. 20; v. 235; p. 923.
- Trace-loop. G. L. Grigsby. No. 1,218,080; Mar. 6; v. 236; p. 66.
- Tracing-cloth, Surfacing device for. H. and M. Goldberger. No. 1,211,932; Jan. 9; v. 234; p. 571.
- Track-aligning gage. A. S. Cash. No. 1,237,748; Aug. 21; v. 241; p. 785.
- Track and tire-protector, Portable. J. B. Munson and P. F. Hagerty. No. 1,215,301; Feb. 6; v. 235; p. 284.
- Track appliance for automatic stops. M. B. Bulla. No. 1,245,672; Nov. 6; v. 244; p. 161.
- Track-bond and tie, Combination. L. B. Bailey. No. 1,232,645; July 10; v. 240; p. 399.
- Track-drill. E. W. Vogel. No. 1,213,306; Jan. 23; v. 234; p. 1113.
- Track-drilling machine. C. E. Gierding and J. R. Brown. No. 1,213,350; Jan. 23; v. 234; p. 1129.
- Track-gage. L. W. Krake. No. 1,211,180; Jan. 2; v. 234; p. 275.
- Track-gage. A. J. Lamarre. No. 1,212,075; Jan. 9; v. 234; p. 617.
- Track-gage. E. Legon. No. 1,242,210; Oct. 9; v. 243; p. 277.
- Track gage and level, Combination. S. Toney. No. 1,220,027; Mar. 20; v. 236; p. 809.
- Track-grinding machine. F. J. Venning. No. 1,231,102; June 26; v. 239; p. 1039.
- Track-hanger. A. W. Knutson. No. 1,214,177; Jan. 30; v. 234; p. 1440.
- Track-hazard indicator. P. J. Simmen. No. 1,241,776; Oct. 2; v. 243; p. 98.
- Track instrument. C. L. Bopp. No. 1,221,663; Apr. 3; v. 237; p. 229.
- Track-laying machine. A. Darden and F. F. Doering. No. 1,244,839; Oct. 30; v. 243; p. 1192.
- Track-laying machine. A. Lightell. No. 1,215,172; Feb. 6; v. 235; p. 299.
- Track level and gage. A. E. Hansen. No. 1,224,165; May 1; v. 238; p. 17.
- Track-liner. W. C. Eaton. No. 1,234,738; July 31; v. 240; p. 1184.
- Track-reinforcement, Portable. R. S. Bohannon. No. 1,232,191; July 3; v. 240; p. 220.
- Track-sander. J. B. Benner. No. 1,220,311; Mar. 27; v. 236; p. 950.
- Track-sanding device. J. Gapp. No. 1,219,542; Mar. 20; v. 236; p. 643.
- Track, Sectional. J. Russo. No. 1,241,769; Oct. 2; v. 243; p. 95.
- Track-switch. C. W. Squires. No. 1,244,138; Oct. 23; v. 243; p. 942.
- Track switch, Automatic mine-. W. E. Dawkins and A. W. Lipscomb. No. 1,224,282; May 1; v. 238; p. 60.
- Tracker attachment, Automatic. J. S. Maxwell. No. 1,215,297; Feb. 6; v. 235; p. 283.
- Tracker mechanism. J. T. Austin. No. 1,212,165; Jan. 9; v. 234; p. 649.
- Traction bearing-wheel. N. L. Alson. No. 1,228,472; June 5; v. 239; p. 33.
- Traction bearing-wheel. C. F. Megow. No. 1,241,870; Oct. 2; v. 243; p. 127.
- Traction bundle-loader. D. Longley. No. 1,248,514; Dec. 4; v. 245; p. 24.
- Traction device. F. E. Bager. No. 1,238,079; Aug. 28; v. 241; p. 921.
- Traction device, Emergency. P. F. Haberstick. No. 1,245,219; Nov. 6; v. 244; p. 23.
- Traction-engine. G. C. Andrews. No. 1,238,732; Sept. 4; v. 242; p. 4.
- Traction-engine. J. H. Auf der Haar. No. 1,220,388; Mar. 27; v. 236; p. 977.
- Traction-engine. A. D. Cole. No. 1,240,423; Sept. 18; v. 242; p. 605.
- Traction-engine. G. Cuff. No. 1,221,975; Apr. 10; v. 237; p. 372.
- Traction-engine. K. Dougan. No. 1,234,145; July 24; v. 240; p. 959.
- Traction-engine. O. C. Houghton. No. 1,229,462; June 12; v. 239; p. 415.
- Traction-engine. W. O. Stark. No. 1,228,709; June 5; v. 239; p. 114.
- Traction-engine. H. L. Wade. No. 1,232,629; July 10; v. 240; p. 394.
- Traction-engine with means for pulling itself out of a rut. E. Harwood. No. 1,237,642; Aug. 21; v. 241; p. 749.
- Traction-machine. A. T. Brown. No. 1,247,073; Nov. 20; v. 244; p. 640.
- Traction-machine. W. Strait. No. 1,237,970; Aug. 21; v. 241; p. 853.
- Traction mechanism. C. M. Baker. No. 1,216,398; Feb. 20; v. 235; p. 766.
- Traction-meter. J. G. Kjellgren. (Reissue.) No. 14,381; Oct. 23; v. 243; p. 1038.
- Traction-wheel. J. B. Bartholomew. No. 1,229,210; June 12; v. 239; p. 330.
- Traction-wheel. B. M. Beskow and C. S. Kellogg. No. 1,235,642; Aug. 7; v. 241; p. 37.
- Traction-wheel. L. S. Bold. No. 1,229,404; June 12; v. 239; p. 397.
- Traction-wheel. G. E. Cassel. No. 1,229,712; June 12; v. 239; p. 500.
- Traction-wheel. J. E. Harrison. No. 1,211,578; Jan. 9; v. 234; p. 445.
- Traction-wheel. W. E. Hosch. (Reissue.) No. 14,340; Aug. 7; v. 241; p. 272.
- Traction-wheel. J. H. Peterson. No. 1,234,689; July 24; v. 240; p. 1134.
- Traction-wheel. H. Tredup. No. 1,214,391; Jan. 30; v. 234; p. 1517.
- Traction-wheel attachment. C. C. Madison. No. 1,211,206; Jan. 2; v. 234; p. 284.
- Traction-wheel, Monorail. R. A. McClure. No. 1,241,748; Oct. 2; v. 243; p. 89.
- Tractor. W. C. Baer. No. 1,234,604; July 24; v. 240; p. 1108.
- Tractor. C. L. Best. No. 1,232,482; July 10; v. 240; p. 348.
- Tractor. W. I. Best and S. H. Shepard. No. 1,230,655; June 19; v. 239; p. 849.
- Tractor. V. A. Boker. No. 1,214,643; Feb. 6; v. 235; p. 56.
- Tractor. A. Brown. No. 1,222,260; Apr. 10; v. 237; p. 472.
- Tractor. M. P. Carpenter. No. 1,245,566; Nov. 6; v. 244; p. 129.
- Tractor. C. C. Craven. No. 1,224,716; May 1; v. 238; p. 214.
- Tractor. J. Dahl. No. 1,235,014; July 31; v. 240; p. 1270.
- Tractor. C. D. Ellwood. No. 1,237,494; Aug. 21; v. 241; p. 701.
- Tractor. E. Ferriss. No. 1,219,930; Mar. 20; v. 236; p. 777.
- Tractor. D. W. Fisher. No. 1,234,148; July 24; v. 240; p. 960.
- Tractor. J. D. Flory. No. 1,238,752; Sept. 4; v. 242; p. 10.
- Tractor. J. W. Freeman. No. 1,217,293; Feb. 27; v. 235; p. 1115.
- Tractor. C. M. Fuller and J. W. Lambert. No. 1,241,617; Oct. 2; v. 243; p. 49.
- Tractor. T. B. Funk. No. 1,243,598; Oct. 16; v. 243; p. 741.
- Tractor. E. B. Fuqua. No. 1,245,896; Nov. 6; v. 244; p. 228.
- Tractor. A. H. Guard. No. 1,240,338; Sept. 18; v. 242; p. 579.
- Tractor. M. Hansen. No. 1,221,320; Apr. 3; v. 237; p. 113.
- Tractor. H. A. Harrah. No. 1,214,673; Feb. 6; v. 235; p. 67.
- Tractor. H. C. Hartline. No. 1,245,715; Nov. 6; v. 244; p. 173.
- Tractor. A. P. Hawn. No. 1,215,372; Feb. 13; v. 235; p. 343.
- Tractor. W. G. Hofeldt. No. 1,246,920; Nov. 20; v. 244; p. 598.
- Tractor. A. W. Jacobs. No. 1,221,739; Apr. 3; v. 237; p. 255.
- Tractor. P. A. Johnson. No. 1,246,603; Nov. 13; v. 244; p. 468.
- Tractor. R. S. Kinkead and P. B. Ford. No. 1,243,184; Oct. 16; v. 243; p. 619.
- Tractor. G. C. Lobb. No. 1,235,822; Aug. 7; v. 241; p. 96.
- Tractor. C. H. Martin. No. 1,223,505; Apr. 24; v. 237; p. 978.
- Tractor. A. McCreery. No. 1,212,525; Jan. 16; v. 234; p. 806.
- Tractor. G. McFarland and C. F. Loomis. No. 1,222,557; Apr. 10; v. 237; p. 578.
- Tractor. R. J. Million. No. 1,230,752; June 19; v. 239; p. 880.
- Tractor. F. J. Miner. No. 1,231,408; June 26; v. 239; p. 1140.
- Tractor. J. Mosca. No. 1,230,014; June 12; v. 239; p. 597.
- Tractor. A. G. Olsen. No. 1,249,996; Dec. 11; v. 245; p. 484.
- Tractor. J. D. Powell. No. 1,222,989; Apr. 17; v. 237; p. 767.
- Tractor. A. D. Rea. No. 1,241,766; Oct. 2; v. 243; p. 94.
- Tractor. B. C. and R. N. Riblet. No. 1,240,488; Sept. 18; v. 242; p. 626.
- Tractor. L. L. Salfisberg. No. 1,235,249; July 31; v. 240; p. 1340.

Alphabetical list of inventions—Continued.

- Tractor. W. Savidge. No. 1,240,782; Sept. 18; v. 242; p. 716.
- Tractor. H. F. Schmidt. No. 1,241,563; Oct. 2; v. 243; p. 31.
- Tractor. C. E. Search. No. 1,227,005; May 22; v. 238; p. 1122.
- Tractor. C. E. Search. No. 1,241,034; Sept. 25; v. 242; p. 828.
- Tractor. C. A. Stickney. No. 1,222,812; Apr. 17; v. 237; p. 707.
- Tractor. J. C. Sturm. No. 1,227,016; May 22; v. 238; p. 1125.
- Tractor. H. M. Sweet. No. 1,230,340; June 19; v. 239; p. 744.
- Tractor. H. C. Waite. No. 1,235,400; July 31; v. 240; p. 1385.
- Tractor. W. D. Watkins. No. 1,222,911; Apr. 17; v. 237; p. 740.
- Tractor. A. R. Welch. No. 1,238,702; Aug. 28; v. 241; p. 1121.
- Tractor. N. K. Wilcox. No. 1,242,500; Oct. 9; v. 243; p. 367.
- Tractor, Agricultural. M. D. Cock. No. 1,227,389; May 22; v. 238; p. 1248.
- Tractor, Agricultural. H. Eversole. No. 1,226,200; May 15; v. 238; p. 811.
- Tractor, Agricultural. R. D. Kohne. No. 1,227,630; May 29; v. 238; p. 1357.
- Tractor, Agricultural motor-. H. P. Dungey. No. 1,215,127; Feb. 6; v. 235; p. 225.
- Tractor and trailer, Combined. W. B. Curl. No. 1,211,825; Jan. 9; v. 234; p. 531.
- Tractor attachment. G. J. Hutter. No. 1,241,120; Sept. 25; v. 242; p. 853.
- Tractor attachment for motor-vehicles. F. J. Hobson. No. 1,246,097; Nov. 13; v. 244; p. 315.
- Tractor, Belt-. W. F. Hamilton. No. 1,222,546; Apr. 10; v. 237; p. 573.
- Tractor-binder hitch. G. W. Gamble. No. 1,225,428; May 8; v. 238; p. 508.
- Tractor, Caterpillar-. A. E. Miller. No. 1,228,688; June 5; v. 239; p. 106.
- Tractor chain tread. G. C. Jett. No. 1,222,295; Apr. 10; v. 237; p. 484.
- Tractor coupling and steering means. R. E. Hamilton. No. 1,230,293; June 19; v. 239; p. 729.
- Tractor device. J. R. Fouch. No. 1,218,388; Mar. 6; v. 236; p. 174.
- Tractor draw-bar, Shiftable. A. J. Knieriem and G. H. Hilbers. No. 1,213,385; Jan. 23; v. 234; p. 1141.
- Tractor-drive attachment. P. R. Hawthorne. No. 1,245,337; Nov. 6; v. 244; p. 58.
- Tractor drive-wheel. A. R. Tkach. No. 1,212,284; Jan. 16; v. 234; p. 723.
- Tractor drive-wheel and mounting for same. O. W. Johnson. No. 1,219,323; Mar. 13; v. 236; p. 535.
- Tractor driving mechanism. A. R. Ogburn. No. 1,223,099; Apr. 17; v. 237; p. 805.
- Tractor, Electric. G. W. Bulley. No. 1,217,702; Feb. 27; v. 235; p. 1261.
- Tractor-engine. G. B. Whitcomb. No. 1,239,328; Sept. 4; v. 242; p. 195.
- Tractor, Explosion-engine. J. A. Rutherford. No. 1,215,581; Feb. 13; v. 235; p. 421.
- Tractor, Farm-. R. R. Beatty. No. 1,240,650; Sept. 18; v. 242; p. 675.
- Tractor, Farm-. H. M. Ford. No. 1,249,059; Dec. 4; v. 245; p. 153.
- Tractor, Farm-. C. H. Miller. No. 1,248,693; Dec. 4; v. 245; p. 78.
- Tractor, Farm-. C. E. Moffit. No. 1,237,939; Aug. 21; v. 241; p. 843.
- Tractor, Farm-. C. Murnane. No. 1,240,761; Sept. 18; v. 242; p. 709.
- Tractor for farm machinery. L. James. No. 1,242,555; Oct. 9; v. 243; p. 386.
- Tractor for plows, &c. J. Finn. No. 1,211,565; Jan. 9; v. 234; p. 441.
- Tractor-gearing. R. C. Shepherd. No. 1,232,399; July 3; v. 240; p. 286.
- Tractor, General-purpose farm-. R. C. Hastings. No. 1,214,545; Feb. 6; v. 235; p. 22.
- Tractor-guide. L. G. Knapp. No. 1,234,040; July 17; v. 240; p. 889.
- Tractor header attachment. M. J. Unrein. No. 1,241,452; Sept. 25; v. 242; p. 958.
- Tractor-hitch. R. C. Caughey. No. 1,217,273; Feb. 27; v. 235; p. 1108.
- Tractor-hitch. J. Von Brethorst. No. 1,235,082; July 31; v. 240; p. 1290.
- Tractor hitching device. W. H. Diggs. No. 1,232,245; July 3; v. 240; p. 237.
- Tractor-impelled implements, Hitch for. J. W. Wise. No. 1,242,505; Oct. 9; v. 243; p. 369.
- Tractor-impement-controlling mechanism. L. E. Waterman. No. 1,243,019; Oct. 16; v. 243; p. 569.
- Tractor, Motor-. R. Evans. No. 1,228,306; May 29; v. 238; p. 1583.
- Tractor, Motor-. A. Nowka. No. 1,211,216; Jan. 2; v. 234; p. 288.
- Tractor, Motor-. G. J. Stoll. No. 1,212,710; Jan. 16; v. 234; p. 874.
- Tractor, Motor-plow. W. Paterson. No. 1,225,268; May 8; v. 238; p. 451.
- Tractor, Motor-plow. J. B. Story. No. 1,247,170; Nov. 20; v. 244; p. 669.
- Tractor-operating mechanism. C. B. Williams. No. 1,230,637; June 19; v. 239; p. 843.
- Tractor, Plowing-. A. E. Cook and T. Van Tuyl. No. 1,213,842; Jan. 30; v. 234; p. 1327.
- Tractor, roller, and plow, Combined. R. U. Wolfe. No. 1,225,912; May 15; v. 238; p. 713.
- Tractor steering device. J. B. Bartholomew. No. 1,248,599; Dec. 4; v. 245; p. 52.
- Tractor steering device. C. A. Krugh and J. A. Hendricks. No. 1,227,455; May 22; v. 238; p. 1268.
- Tractor steering device, Farm-. A. H. Mehrings. No. 1,211,332; Jan. 2; v. 234; p. 328.
- Tractor track, Caterpillar-. S. G. Miller. No. 1,249,166; Dec. 4; v. 245; p. 213.
- Tractor-trailer coupling. J. W. Menhall and C. G. Clement. No. 1,240,995; Sept. 25; v. 242; p. 815.
- Tractor-tread. F. Hoffknecht. No. 1,223,050; Apr. 17; v. 237; p. 789.
- Tractor-tread link. J. W. Porter and R. L. Arndt. No. 1,237,814; Aug. 21; v. 241; p. 804.
- Tractor, Universal. O. D. Bowles. No. 1,227,576; May 29; v. 238; p. 1339.
- Tractor-wheel. H. Foecke. No. 1,228,895; June 5; v. 239; p. 177.
- Tractor-wheel. G. F. Johnson. No. 1,228,024; May 29; v. 238; p. 1492.
- Tractor-wheel. A. H. Lofland. No. 1,246,443; Nov. 13; v. 244; p. 419.
- Tractor-wheel. F. A. Nading. No. 1,250,486; Dec. 18; v. 245; p. 669.
- Tractor-wheel. H. L. Whitman, Jr. No. 1,232,635; July 10; v. 240; p. 395.
- Tractor-wheel. W. E. Wild. No. 1,242,096; Oct. 2; v. 243; p. 198.
- Tractor-wheel. A. T. Wildey. No. 1,212,721; Jan. 16; v. 234; p. 878.
- Tractors and the like, Automatic steering-gear for. W. Turnbull. No. 1,228,377; May 29; v. 238; p. 1607.
- Tractors and the like, Control mechanism for. H. H. Bates. No. 1,229,865; June 12; v. 239; p. 551.
- Tractors and the like, Transmission mechanism for. A. C. Johnson. No. 1,218,666; Mar. 13; v. 236; p. 306.
- Tractors, Attachment for. C. F. Megow. No. 1,215,687; Feb. 15; v. 235; p. 460.
- Tractors, Draft connection for. J. M. Kyle. No. 1,249,424; Dec. 11; v. 245; p. 318.
- Tractors, Drive-gearing for. M. Sand. No. 1,224,109; Apr. 24; v. 237; p. 1187.
- Tractors, Implement-shifting means for. L. W. Witry. No. 1,217,257; Feb. 27; v. 235; p. 1103.
- Tractors, Power-interrupting device for. R. E. Hamilton. No. 1,220,982; Mar. 27; v. 236; p. 1178.
- Tractors, Power-transmitting mechanism for. C. A. Wright. No. 1,245,168; Nov. 6; v. 244; p. 8.
- Tractors, Plow draw-bar head and lever for. R. A. Morton. No. 1,240,758; Sept. 18; v. 242; p. 708.
- Tractors, Running-gear for. W. C. Allen. No. 1,236,646; Aug. 14; v. 241; p. 392.
- Tractors, Transmission device for. G. M. Absalom. No. 1,243,912; Oct. 23; v. 243; p. 875.
- Tractors, Variable transmission mechanism for. R. S. Kinhead. No. 1,231,031; June 26; v. 239; p. 1014.
- Traffic-directing signal for vehicles. C. G. Ette. No. 1,239,093; Sept. 4; v. 242; p. 120.
- Traffic-directing signaling device. C. A. Singer. No. 1,239,832; Sept. 11; v. 242; p. 384.
- Traffic-guide. F. L. Whims. No. 1,250,064; Dec. 11; v. 245; p. 503.
- Traffic-regulator, Automatic. E. A. Pound. No. 1,240,090; Sept. 11; v. 242; p. 460.
- Traffic-signal. J. L. Ames. No. 1,250,265; Dec. 18; v. 245; p. 603.
- Traffic-signal. T. Beaver. No. 1,226,445; May 15; v. 238; p. 894.
- Traffic-signal. J. A. Black. No. 1,250,083; Dec. 11; v. 245; p. 509.
- Traffic-signal. W. Ghiglieri. No. 1,224,632; May 1; v. 238; p. 184.
- Traffic-signal. F. D. Spear. No. 1,249,539; Dec. 11; v. 245; p. 351.
- Traffic-signal. S. M. Valdes. No. 1,237,976; Aug. 21; v. 241; p. 856.
- Traffic-signal. H. T. Winston. No. 1,240,640; Sept. 18; v. 242; p. 671.
- Traffic-signal, Automatic. F. J. Husbands. No. 1,236,441; Aug. 14; v. 241; p. 324.
- Traffic-signal, Automatic. T. H. Schror. No. 1,231,949; July 3; v. 240; p. 138.
- Trailer. L. Watkins. No. 1,238,603; Aug. 28; v. 241; p. 1092.
- Trailer. M. J. Yoder. No. 1,247,201; Nov. 20; v. 244; p. 678.
- Trailer attachment. A. L. Holmes, Jr. No. 1,243,177; Oct. 16; v. 243; p. 616.
- Trailer-camp. E. H. Habig. No. 1,216,986; Feb. 20; v. 235; p. 966.
- Trailer-coupling. M. W. Sherman. No. 1,246,666; Nov. 13; v. 244; p. 486.
- Trailer-coupling. T. Weber. No. 1,248,765; Dec. 4; v. 245; p. 100.

- Trailer running-gear and towing connection. O. H. Hesse. No. 1,212,949; Jan. 16; v. 234; p. 954.
- Trailers, Steering apparatus for. L. N. Spencer. No. 1,245,054; Oct. 30; v. 243; p. 1256.
- Train and the like control and signaling apparatus, Automatic. A. Kerr. No. 1,218,270; Mar. 6; v. 236; p. 134.
- Train-coaling device. J. M. Briggs. No. 1,229,875; June 12; v. 239; p. 554.
- Train control and signal system. J. T. Thompson. No. 1,232,123; July 3; v. 240; p. 199.
- Train-control apparatus. H. G. Sedgwick. No. 1,226,916; May 22; v. 238; p. 1089.
- Train control, Automatic. W. V. Turner. No. 1,243,782; Oct. 23; v. 243; p. 835.
- Train control, Automatic. F. A. Walton. No. 1,241,454; Sept. 25; v. 242; p. 958.
- Train-control mechanism, Automatic. W. T. Ecroyd. No. 1,242,665; Oct. 9; v. 243; p. 421.
- Train-control system. A. Minnick. No. 1,226,792; May 22; v. 238; p. 1043.
- Train-control system. W. B. Murray. No. 1,213,892; Jan. 30; v. 234; p. 1344.
- Train-control system. G. P. Thurber. No. 1,236,624; Aug. 14; v. 241; p. 384.
- Train-control system, Automatic. E. W. Gorsuch. No. 1,221,309; Apr. 3; v. 237; p. 108.
- Train-control systems, Shoe structure for. E. W. Gorsuch. No. 1,221,310; Apr. 3; v. 237; p. 109.
- Train-controller. E. E. Petit. No. 1,239,954; Sept. 11; v. 242; p. 423.
- Train-controller, Automatic. J. B. Darrow. No. 1,211,099; Jan. 2; v. 234; p. 248.
- Train-controlling apparatus. J. Merryweather. No. 1,235,829; Aug. 7; v. 241; p. 98.
- Train-controlling device. T. W. Scott. No. 1,212,157; Jan. 9; v. 234; p. 646.
- Train-controlling system. G. P. Thurber. No. 1,217,530; Feb. 27; v. 235; p. 1201.
- Train, Flexible road. R. B. Fageol. No. 1,226,962; May 22; v. 238; p. 1105.
- Train-indicator. G. Larson. No. 1,251,248; Dec. 25; v. 245; p. 943.
- Train-lighting systems, Axle-driven generator for. M. P. and M. J. Neumayer. No. 1,218,110; Mar. 6; v. 236; p. 78.
- Train-line coupling, Automatic. T. R. Brown. No. 1,226,612; May 15; v. 238; p. 946.
- Train-line coupling, Electric. T. R. Brown. No. 1,244,950; Oct. 30; v. 243; p. 1226.
- Train-line coupling, Electric. H. F. Woernley. No. 1,244,936; Oct. 30; v. 243; p. 1222.
- Train-order holder. A. S. Johnson and W. N. Waide. No. 1,215,939; Feb. 13; v. 235; p. 549.
- Train-order signal. E. H. Dodson. No. 1,221,155; Apr. 3; v. 237; p. 54.
- Train-resistance-computing means. B. B. Milner. No. 1,210,515; Jan. 2; v. 234; p. 47.
- Train rings, Loading-tool for time. R. R. Stabler. No. 1,244,387; Oct. 23; v. 243; p. 1016.
- Train-shed. C. S. Bumann. No. 1,231,998; July 3; v. 240; p. 154.
- Train-signal. A. Capitan. No. 1,221,674; Apr. 3; v. 237; p. 233.
- Train-signal, Automatic. H. E. Ball. No. 1,247,919; Nov. 27; v. 244; p. 918.
- Train signaling and stopping device. K. Reger. No. 1,230,030; June 12; v. 239; p. 602.
- Train signaling and stopping system. H. G. Sedgwick. No. 1,232,859; July 10; v. 240; p. 471.
- Train signaling and stopping system. H. G. Sedgwick. No. 1,232,860; July 10; v. 240; p. 472.
- Train signaling and stopping system. H. G. Sedgwick. No. 1,232,861; July 10; v. 240; p. 472.
- Train speed-control and stopping device. L. W. Horne and W. N. Crane. No. 1,213,198; Jan. 23; v. 234; p. 1074.
- Train-stop. J. A. Anthony. No. 1,220,053; Mar. 20; v. 236; p. 820.
- Train-stop. H. B. Colsten. No. 1,222,529; Apr. 10; v. 237; p. 566.
- Train-stop. E. C. Stafford. No. 1,249,686; Dec. 11; v. 245; p. 394.
- Train-stop and signal system. H. G. Sedgwick. No. 1,232,858; July 10; v. 240; p. 471.
- Train-stop and signaling system. H. G. Sedgwick. No. 1,225,508; May 8; v. 238; p. 533.
- Train-stop apparatus. L. A. Gladding and J. H. Sullivan. No. 1,243,832; Oct. 23; v. 243; p. 851.
- Train-stop, Automatic. O. P. Allen. No. 1,234,712; July 31; v. 240; p. 1176.
- Train-stop, Automatic. C. C. Bowman. No. 1,224,841; May 1; v. 238; p. 257.
- Train-stop, Automatic. E. Chabot. No. 1,223,310; Apr. 17; v. 237; p. 875.
- Train-stop, Automatic. J. Gut. No. 1,238,512; Aug. 28; v. 241; p. 1063.
- Train-stop, Automatic. E. G. Keller. No. 1,236,314; Aug. 7; v. 241; p. 250.
- Train-stop, Automatic. P. J. Kogler. No. 1,232,569; July 10; v. 240; p. 376.
- Train-stop, Automatic. E. La Barre and W. Schuckar. No. 1,241,997; Oct. 2; v. 243; p. 163.
- Train-stop, Automatic. H. G. Sedgwick. No. 1,226,915; May 22; v. 238; p. 1089.
- Train-stop, Automatic. H. G. Sedgwick. No. 1,229,151; June 5; v. 239; p. 261.
- Train-stop, Automatic. E. C. Stafford. No. 1,249,685; Dec. 11; v. 245; p. 393.
- Train-stop, Automatic. J. L. Walker. No. 1,218,496; Mar. 6; v. 236; p. 209.
- Train-stop, Automatic. W. H. Wentling. No. 1,220,482; Mar. 27; v. 236; p. 1011.
- Train-stop, Automatic. H. Wilson. No. 1,229,846; June 12; v. 239; p. 545.
- Train-stop, Automatic truck-controlled. L. E. Glenn. No. 1,213,625; Jan. 23; v. 234; p. 1223.
- Train-stop mechanism, Automatic. W. E. Lawn and J. A. Ryan. No. 1,215,390; Feb. 13; v. 235; p. 350.
- Train-stop, Permissive automatic. A. H. Fox and A. W. Lenderoth. No. 1,223,685; Apr. 24; v. 237; p. 1042.
- Train-stop system, Automatic. J. Cannon. No. 1,221,968; Apr. 10; v. 237; p. 370.
- Train-stops, Portable abutment for automatic. C. A. Willard. No. 1,228,153; May 29; v. 238; p. 1534.
- Train-stops, Vent-valve for. H. G. Sedgwick. No. 1,210,713; Jan. 2; v. 234; p. 117.
- Train-stopping apparatus. B. A. Durham. No. 1,224,723; May 1; v. 238; p. 217.
- Train-stopping apparatus. M. Friedman. No. 1,229,929; June 12; v. 239; p. 571.
- Train-stopping apparatus. A. L. Guthner. No. 1,222,944; Apr. 17; v. 237; p. 751.
- Train-stopping apparatus. P. M. Sproule. No. 1,237,968; Aug. 21; v. 241; p. 853.
- Train-stopping apparatus. A. M. Worden. No. 1,227,866; May 29; v. 238; p. 1439.
- Train-stopping apparatus, Automatic. F. E. Lapierre. No. 1,214,328; Jan. 30; v. 234; p. 1496.
- Train-stopping apparatus, Automatic. A. Longhed. No. 1,240,744; Sept. 18; v. 242; p. 704.
- Train-stopping device, Automatic. D. D. Good. No. 1,211,838; Jan. 9; v. 234; p. 536.
- Train-stopping device, Automatic. J. A. Jesson. No. 1,227,913; May 29; v. 238; p. 1454.
- Train-stopping device, Automatic. H. Landreth. No. 1,211,720; Jan. 9; v. 234; p. 491.
- Train-stopping device, Electrically-operated and mechanically-controlled. W. B. Murray. No. 1,213,891; Jan. 30; v. 234; p. 1344.
- Train-stopping mechanism, Automatic. C. Joly. No. 1,224,932; May 8; v. 238; p. 339.
- Train-stopping system. P. Kuhn. No. 1,213,660; Jan. 23; v. 234; p. 1234.
- Train-stopping trip or obstacle. J. F. McCoy. No. 1,233,895; July 17; v. 240; p. 844.
- Trains, Device for preventing collisions between. A. R. Angus. No. 1,218,970; Mar. 13; v. 236; p. 415.
- Trains, Electrically-operated speed-controlling device for. L. W. Horne and W. N. Crane. No. 1,212,224; Jan. 16; v. 234; p. 698.
- Trammel. R. A. Nelson. No. 1,219,141; Mar. 13; v. 236; p. 473.
- Tramping mechanism. H. A. Boyles. No. 1,236,537; Aug. 14; v. 241; p. 356.
- Transfer-issuing machine. J. F. Ohmer and H. J. Sibley. No. 1,210,973; Jan. 2; v. 234; p. 206.
- Transfer-lorry. C. W. Stamper. No. 1,237,834; Aug. 21; v. 241; p. 811.
- Transfer mechanism. T. Midgley, Jr. No. 1,237,213; Aug. 14; v. 241; p. 572.
- Transfer or coupon collector and counter. F. G. Jahn. No. 1,232,319; July 3; v. 240; p. 261.
- Transformer. W. M. Dann. No. 1,224,149; May 1; v. 238; p. 11.
- Transformer. C. L. Fortescue. No. 1,227,415; May 22; v. 238; p. 1255.
- Transformer. C. L. Fortescue. No. 1,239,896; Sept. 11; v. 242; p. 405.
- Transformer. J. E. Mateer. No. 1,249,800; Dec. 11; v. 245; p. 428.
- Transformer. L. C. Nichols. No. 1,232,834; July 10; v. 240; p. 462.
- Transformer. E. G. Reed. No. 1,227,314; May 22; v. 238; p. 1224.
- Transformer. E. G. Reed. No. 1,231,648; July 3; v. 240; p. 36.
- Transformer. F. Sieber. No. 1,224,225; May 1; v. 238; p. 39.
- Transformer-core punching. E. G. Reed. No. 1,224,210; May 1; v. 238; p. 34.
- Transformer-secondary. H. L. Smith. No. 1,214,235; Jan. 30; v. 234; p. 1460.
- Transformer, Variable-voltage. A. Simon. No. 1,227,844; May 29; v. 238; p. 1431.
- Transformer-winding. F. F. Brand. No. 1,242,649; Oct. 9; v. 243; p. 416.
- Transformers and the like, Insulated terminal for. C. H. Thordarson. No. 1,215,430; Feb. 13; v. 235; p. 363.
- Transforming system. V. E. Alden. No. 1,224,255; May 1; v. 238; p. 51.
- Transmission. C. R. Cole. No. 1,241,924; Oct. 2; v. 243; p. 146.
- Transmission. J. Demmler. No. 1,249,347; Dec. 11; v. 245; p. 297.
- Transmission. B. Stevens. No. 1,242,618; Oct. 9; v. 243; p. 407.
- Transmission and gear-shifting device, Combined. C. Stanton. No. 1,236,225; Aug. 7; v. 241; p. 225.

Alphabetical list of inventions—Continued.

- Transmission apparatus. C. M. Andersen. No. 1,211,033; Jan. 2; v. 234; p. 227.
- Transmission apparatus. D. R. Robinson. No. 1,212,683; Jan. 16; v. 234; p. 865.
- Transmission apparatus. J. S. Wartin. No. 1,217,674; Feb. 27; v. 235; p. 1252.
- Transmission-case hanger, Auxiliary. S. T. Windsor. No. 1,215,603; Feb. 13; v. 235; p. 429.
- Transmission-circuit. B. W. Kendall. No. 1,216,136; Feb. 13; v. 235; p. 621.
- Transmission-controlling mechanism, Automatic. C. Britt. No. 1,230,856; June 26; v. 239; p. 954.
- Transmission device. G. A. Gilbertson. No. 1,240,334; Sept. 18; v. 242; p. 577.
- Transmission device. W. G. Will. No. 1,248,583; Dec. 4; v. 245; p. 47.
- Transmission device, Hydraulic. W. E. Magie and W. Ferris. No. 1,212,655; Jan. 16; v. 234; p. 854.
- Transmission device, Variable-speed-. D. Miller. No. 1,224,868; May 1; v. 238; p. 266.
- Transmission, Differential. V. Berquist. No. 1,247,494; Nov. 20; v. 244; p. 761.
- Transmission, Friction. L. W. Davis. No. 1,241,609; Oct. 2; v. 243; p. 46.
- Transmission, Gearless. D. E. Selby. No. 1,233,924; July 17; v. 240; p. 853.
- Transmission, Hydraulic. J. and M. Naëder. No. 1,237,679; Aug. 21; v. 241; p. 763.
- Transmission-lines, Safety repair device for high-voltage. G. S. Neeley. No. 1,221,893; Apr. 10; v. 237; p. 344.
- Transmission-lines, Safety repair device for high-voltage. G. S. Neeley. No. 1,221,894; Apr. 10; v. 237; p. 344.
- Transmission-lock. F. R. Ferguson. No. 1,239,374; Sept. 4; v. 242; p. 209.
- Transmission-lock. L. H. Sparks. No. 1,228,253; May 29; v. 238; p. 1566.
- Transmission mechanism. F. T. Adams. No. 1,242,106; Oct. 2; v. 243; p. 202.
- Transmission mechanism. J. Arner. No. 1,226,048; May 15; v. 238; p. 760.
- Transmission mechanism. S. M. Dick. No. 1,232,243; July 3; v. 240; p. 236.
- Transmission mechanism. J. Guthrie. No. 1,216,307; Feb. 20; v. 235; p. 732.
- Transmission mechanism. R. C. Hill. No. 1,228,208; May 29; v. 238; p. 1552.
- Transmission mechanism. J. D. Ingram. No. 1,242,193; Oct. 9; v. 243; p. 270.
- Transmission mechanism. J. C. Johnson. No. 1,229,088; June 5; v. 239; p. 239.
- Transmission mechanism. T. Lafitte. No. 1,227,456; May 22; v. 238; p. 1268.
- Transmission mechanism. J. W. Murry. No. 1,249,174; Dec. 4; v. 245; p. 215.
- Transmission mechanism. J. Oldham. No. 1,210,829; Jan. 2; v. 234; p. 154.
- Transmission mechanism. R. B. Oman. No. 1,248,387; Nov. 27; v. 244; p. 1048.
- Transmission mechanism. C. P. Snyder. No. 1,244,557; Oct. 30; v. 243; p. 1108.
- Transmission mechanism. H. F. Snyder. No. 1,218,812; Mar. 13; v. 236; p. 361.
- Transmission mechanism. R. Sparling. No. 1,225,190; May 8; v. 238; p. 426.
- Transmission mechanism. A. C. Stahl. No. 1,233,414; July 17; v. 240; p. 688.
- Transmission mechanism. H. E. Stillians. No. 1,250,695; Dec. 18; v. 245; p. 731.
- Transmission mechanism. P. M. Taylor. No. 1,218,493; Mar. 6; v. 236; p. 208.
- Transmission mechanism, Cam-operated. M. T. Denne. No. 1,225,782; May 15; v. 238; p. 670.
- Transmission mechanism, Construction of. T. B. Murray. No. 1,238,044; Aug. 21; v. 241; p. 877.
- Transmission mechanism for power-driven vehicles. F. W. Kemper. No. 1,243,611; Oct. 16; v. 243; p. 746.
- Transmission mechanism, Frictional. A. J. Trigwell. No. 1,246,359; Nov. 13; v. 244; p. 395.
- Transmission mechanism, Two-speed direct-drive. O. H. Grupe. No. 1,234,462; July 24; v. 240; p. 1063.
- Transmission of intelligence, System for the. E. H. Colpitts. (Reissue.) No. 14,380; Oct. 23; v. 243; p. 1037.
- Transmission-operating device, Pneumatic. G. M. Riley. No. 1,242,474; Oct. 9; v. 243; p. 360.
- Transmission-shaft. E. C. Cooper. (Reissue.) No. 14,376; Oct. 16; v. 243; p. 767.
- Transmission system. M. Sehaar. No. 1,245,804; Nov. 6; v. 244; p. 201.
- Transmission systems, Protecting means for. E. E. F. Creighton. No. 1,225,587; May 8; v. 238; p. 561.
- Transmission systems, Protection of. E. E. F. Creighton. No. 1,230,680; June 19; v. 239; p. 857.
- Transmission systems, Protection of. E. E. F. Creighton. No. 1,230,681; June 19; v. 239; p. 857.
- Transmission systems, Protection of. R. H. Marvin. No. 1,247,127; Nov. 20; v. 244; p. 656.
- Transmitter. M. H. Johnson. No. 1,236,568; Aug. 14; v. 241; p. 366.
- Transmitter, Buzzer-. J. P. Ferriter. No. 1,234,650; July 24; v. 240; p. 1122.
- Transmitter-cell. F. Gottschalk. No. 1,245,218; Nov. 6; v. 244; p. 23.
- Transmitter-cut-out device. P. O. Schulz. No. 1,226,389; May 15; v. 238; p. 877.
- Transmitter-mouthpiece. E. C. G. Mueller. No. 1,242,022; Oct. 2; v. 243; p. 177.
- Transmitters, Locking mechanism for impulse-. C. L. Goodrum. No. 1,223,382; Apr. 24; v. 237; p. 932.
- Transmitting communications, System for. C. V. Logwood. No. 1,218,195; Mar. 6; v. 236; p. 106.
- Transom-clamping bracket. C. J. Meyer. No. 1,236,735; Aug. 14; v. 241; p. 423.
- Transom control. G. W. Baird. No. 1,230,264; June 19; v. 239; p. 719.
- Transom-lifter. W. F. O'Rourke. No. 1,225,351; May 8; v. 238; p. 483.
- Transom-passages and the like, Closure means for. R. C. Mitchell. No. 1,218,684; Mar. 13; v. 236; p. 312.
- Transparency for producing, colored projected images forming, and. D. F. Comstock. No. 1,232,504; July 10; v. 240; p. 356.
- Transplanting device. J. W. Fritts. No. 1,238,756; Sept. 4; v. 242; p. 11.
- Transportation device. W. C. Wallis. No. 1,232,414; July 3; v. 240; p. 291.
- Transportation system. R. B. Fageol. No. 1,219,276; Mar. 13; v. 236; p. 519.
- Transportation system. W. F. Holt. No. 1,212,487; Jan. 16; v. 234; p. 792.
- Transportation system. W. F. Holt. No. 1,246,921; Nov. 20; v. 244; p. 598.
- Transportation system, Overhead. J. F. Montine. No. 1,232,367; July 3; v. 240; p. 277.
- Transportation system, Overhead. J. F. Montine. No. 1,246,139; Nov. 13; v. 244; p. 328.
- Transporting appliance, Material-. J. W. Simmons. No. 1,220,017; Mar. 20; v. 236; p. 806.
- Transposer. J. J. Schwab. No. 1,216,852; Feb. 20; v. 235; p. 921.
- Transposition-points, Locating special. H. Mouradian. No. 1,228,468; June 5; v. 239; p. 32.
- Trap. See—
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| Animal-trap. | Muskrat-trap. |
| Ball-trap. | Nest-trap. |
| Bank-robber trap. | Pipe germ-trap. |
| Bird-trap. | Plumber's trap. |
| Boll-weevil trap. | Rat-trap. |
| Burglar-trap. | Rat and mouse trap. |
| Crab and terrapin trap. | Refrigerator drain-trap. |
| Drain-trap. | Roach-trap. |
| Fish-trap. | Rodent-trap. |
| Fly-trap. | Sand-trap. |
| Game-trap. | Sanitary refuse-trap. |
| Gas-trap. | Seal-trap. |
| Gopher-trap. | Sewer-trap. |
| Hog-trap. | Steam-trap. |
| Insect-trap. | Submarine-trap. |
| Mole-trap. | Vermine-trap. |
| Mouse-trap. | Vacuum-trap. |
| Mouse and rat trap. | Waste-trap. |
- Trap. E. W. N. Boosey. No. 1,220,818; Mar. 27; v. 236; p. 1125.
- Trap. J. M. Bragg. No. 1,244,166; Oct. 23; v. 243; p. 950.
- Trap. T. F. Butler. No. 1,211,283; Jan. 2; v. 234; p. 313.
- Trap. W. F. Cornelius. No. 1,249,337; Dec. 11; v. 245; p. 294.
- Trap. W. B. Curtis. No. 1,227,395; May 22; v. 238; p. 1249.
- Trap. J. H. Dodson. No. 1,222,191; Apr. 10; v. 237; p. 447.
- Trap. A. Hemme. No. 1,233,573; July 17; v. 240; p. 741.
- Trap. R. S. Hurlbut. No. 1,220,143; Mar. 20; v. 236; p. 855.
- Trap. J. E. Isaacson. No. 1,215,279; Feb. 6; v. 235; p. 278.
- Trap. C. J. Lantis. No. 1,231,390; June 26; v. 239; p. 1134.
- Trap. R. A. Lewis. No. 1,213,387; Jan. 23; v. 234; p. 1141.
- Trap. J. H. Maxwell. No. 1,228,802; June 5; v. 239; p. 147.
- Trap. C. A. Norman. No. 1,249,995; Dec. 11; v. 245; p. 484.
- Trap. C. Partello. No. 1,246,782; Nov. 13; v. 244; p. 520.
- Trap. J. C. Pewther. No. 1,222,024; Apr. 10; v. 237; p. 389.
- Trap. B. Pickering. No. 1,217,056; Feb. 20; v. 235; p. 989.
- Trap. F. O. Ray. No. 1,215,853; Feb. 13; v. 235; p. 518.
- Trap. F. O. Ray. No. 1,215,854; Feb. 13; v. 235; p. 518.
- Trap. M. J. Sloan. No. 1,237,399; Aug. 21; v. 241; p. 673.
- Trap. J. Speed. No. 1,232,403; July 3; v. 240; p. 288.
- Trap. W. C. Stillson. No. 1,248,944; Dec. 4; v. 245; p. 151.
- Trap. T. H. Tabor. No. 1,249,242; Dec. 4; v. 245; p. 236.
- Trap. P. C. Thayer. No. 1,226,924; May 22; v. 238; p. 1092.
- Trap. N. Wallace. No. 1,216,894; Feb. 20; v. 235; p. 935.

- Trap. R. G. Ward. No. 1,242,397; Oct. 9; v. 243; p. 335.
- Trap. J. E. White. No. 1,226,288; May 15; v. 238; p. 846.
- Trap. A. B. Wikstrom. No. 1,214,626; Feb. 6; v. 235; p. 50.
- Trap. W. Zarling. No. 1,245,138; Oct. 30; v. 243; p. 1283.
- Trap-cover. P. C. Gibson. No. 1,248,311; Nov. 27; v. 244; p. 1027.
- Trap cover, Drum-. M. Block. No. 1,239,453; Sept. 11; v. 242; p. 263.
- Trap-door. T. Dastoli. No. 1,235,446; July 31; v. 240; p. 1397.
- Trap-door lock. L. F. McNally. No. 1,217,197; Feb. 27; v. 235; p. 1083.
- Trap guard, Steel-. F. R. Merritt. No. 1,231,406; June 26; v. 239; p. 1140.
- Trap-hook. A. Berglund. No. 1,217,689; Feb. 27; v. 235; p. 1256.
- Trap-hook. A. Berglund. No. 1,217,690; Feb. 27; v. 235; p. 1257.
- Trap-jaws, Pivot-lock for. H. G. Greene. No. 1,238,510; Aug. 28; v. 241; p. 1062.
- Trap-setting device. T. Jacob. No. 1,238,679; Aug. 28; v. 241; p. 1115.
- Traps, &c., Cover for. P. C. Gibson. No. 1,232,789; July 10; v. 240; p. 449.
- Traps, Screw-cover for. P. C. Gibson. No. 1,232,788; July 10; v. 240; p. 448.
- Traveling-bag. M. Exelman. No. 1,214,876; Feb. 6; v. 235; p. 136.
- Traverse-cord fastener. J. A. Donnelly. No. 1,215,126; Feb. 6; v. 235; p. 224.
- Traverse-table. A. B. Mitchell. No. 1,232,706; July 10; v. 240; p. 421.
- Trawl-tub. L. Potier. No. 1,221,904; Apr. 10; v. 237; p. 347.
- Trawling device. G. Beil. No. 1,251,326; Dec. 25; v. 245; p. 967.
- Tray. G. E. Bilton. No. 1,221,788; Apr. 3; v. 237; p. 272.
- Tray. M. M. Hammond. No. 1,229,448; June 12; v. 239; p. 411.
- Tray. J. M. Secord. No. 1,216,856; Feb. 20; v. 235; p. 922.
- Tray. F. A. Stevens. No. 1,210,870; Jan. 2; v. 234; p. 169.
- Tray. F. I. Stöber. No. 1,229,806; June 12; v. 239; p. 531.
- Tray. A. G. Wedge. No. 1,223,543; Apr. 24; v. 237; p. 991.
- Tray and support, Delivery-. J. White. No. 1,211,511; Jan. 9; v. 234; p. 422.
- Tray, Developing-. C. R. Grey. No. 1,238,438; Sept. 4; v. 242; p. 229.
- Tray for lunch-chairs, Serving-. A. P. Dubben. No. 1,234,309; July 24; v. 240; p. 1013.
- Tray, Fruit-. A. M. Lane. No. 1,244,617; Oct. 30; v. 243; p. 1125.
- Tray, Fruit-holding. C. T. Boyer. No. 1,250,954; Dec. 25; v. 245; p. 858.
- Tray-holder. H. C. Weis and H. A. Consor. No. 1,240,908; Sept. 25; v. 242; p. 789.
- Tray mechanism. M. M. Hammond. No. 1,229,447; June 12; v. 239; p. 411.
- Tray, Post-card. P. H. Kraetsch. No. 1,211,179; Jan. 2; v. 234; p. 275.
- Tray, Sanitary. C. H. De Frehn. No. 1,226,866; May 22; v. 238; p. 1073.
- Tray, Service-. G. E. Bilton. No. 1,217,266; Feb. 27; v. 235; p. 1105.
- Tray, Soap-. E. L. Dennis. No. 1,249,603; Dec. 11; v. 245; p. 369.
- Tray, Soap-. C. Volhard. No. 1,212,588; Jan. 16; v. 234; p. 829.
- Tray-supporting bracket. D. C. Stafford. No. 1,236,887; Aug. 14; v. 241; p. 470.
- Tray-washer. E. A. Nesmith. No. 1,229,644; June 12; v. 239; p. 478.
- Tread and making the same. L. F. Montgomery. No. 1,249,292; Dec. 4; v. 245; p. 250.
- Tread-applying machine. J. L. Swartz. No. 1,246,488; Nov. 13; v. 244; p. 433.
- Tread-plate. W. S. Atwood. No. 1,215,235; Feb. 6; v. 235; p. 262.
- Treadle. J. A. Ryden. No. 1,237,705; Aug. 21; v. 241; p. 771.
- Treating-table. C. W. Albright. No. 1,213,137; Jan. 23; v. 234; p. 1053.
- Treatment of materials. R. B. Price and W. J. Steidle. No. 1,211,370; Jan. 2; v. 234; p. 338.
- Treatment-table. M. R. McBurney. No. 1,247,301; Nov. 20; v. 244; p. 706.
- Tree: See—
- Boot-tree. Shoe-tree.
- Christmas tree. Shoe-stretching tree.
- Draft-tree. Tea-ball tree.
- Saddle-tree.
- Tree-carrier. E. D. Williamson. No. 1,235,624; Aug. 7; v. 241; p. 31.
- Tree-cavities, Filling compound for. J. F. Illingworth. No. 1,217,181; Feb. 27; v. 235; p. 1077.
- Tree-cover. G. L. Miller. No. 1,233,099; July 10; v. 240; p. 548.
- Tree-felling device. J. E. Croman. No. 1,211,414; Jan. 9; v. 234; p. 390.
- Tree-felling wedge. W. H. Hargrave. No. 1,244,327; Oct. 23; v. 243; p. 1000.
- Tree prop, Fruit-. C. S. Dingwall. No. 1,214,142; Jan. 30; v. 234; p. 1429.
- Tree-protecting device. J. S. Kirfman. No. 1,235,520; July 31; v. 240; p. 1422.
- Tree-stand. J. H. Gronick. No. 1,240,319; Sept. 18; v. 242; p. 574.
- Tree-support. C. S. Talbert. No. 1,234,960; July 31; v. 240; p. 1254.
- Tree surgery. G. E. Stone. No. 1,218,333; Mar. 6; v. 236; p. 156.
- Tree-trimmer. C. M. Taylor. No. 1,237,581; Aug. 21; v. 241; p. 730.
- Trees, shrubs, and vines, Device for applying substances to. W. R. Kleckner. No. 1,240,733; Sept. 18; v. 242; p. 700.
- Treeing-iron. W. I. Thompson. No. 1,231,457; June 26; v. 239; p. 1156.
- Trench-digger. W. H. and R. Metzler. No. 1,229,116; June 5; v. 239; p. 249.
- Trench-filling machine. J. B. Clark. No. 1,212,906; Jan. 16; v. 234; p. 940.
- Trench-machine, Multiple-wheel. F. E. Bager. No. 1,246,524; Nov. 13; v. 244; p. 444.
- Trench-machine, Oscillating. J. C. French. No. 1,239,897; Sept. 11; v. 242; p. 405.
- Trenches for drains and the like, Apparatus for cutting. J. W. Cooper. No. 1,234,449; July 24; v. 240; p. 1060.
- Trenching-machine. H. J. Bentson. No. 1,246,527; Nov. 13; v. 244; p. 445.
- Trenching-machine. J. C. French. No. 1,210,453; Jan. 2; v. 234; p. 26.
- Trenching-machine. J. C. French. No. 1,239,474; Sept. 11; v. 242; p. 269.
- Trenching-tool. R. R. McCormick. No. 1,220,666; Mar. 27; v. 236; p. 1073.
- Trenching-tool. H. W. Smock. No. 1,245,811; Nov. 6; v. 244; p. 203.
- Trenching-tool. H. W. Smock. No. 1,245,812; Nov. 6; v. 244; p. 204.
- Trestle. J. C. and J. N. Pepin. No. 1,226,112; May 15; v. 238; p. 781.
- Trestle, Elevating and folding. J. C. and J. N. Pepin. No. 1,239,814; Sept. 11; v. 242; p. 378.
- Trestle, Foldable. F. W. Helwig. No. 1,243,520; Oct. 16; v. 243; p. 719.
- Trial-frame. G. H. Day. No. 1,245,884; Nov. 6; v. 244; p. 224.
- Trial-frame. A. Moseley. No. 1,222,017; Apr. 10; v. 237; p. 387.
- Triangle and protractor, Draftsman's. C. W. Barnaby. No. 1,231,115; June 26; v. 239; p. 1043.
- Trichlorid of iodine for purifying contaminated water, Preservation of solutions of. U. Corbelli and E. Antolini. No. 1,231,853; July 3; v. 240; p. 107.
- Tricycle. T. P. Rossi. No. 1,250,665; Dec. 18; v. 245; p. 721.
- Trigger mechanism. E. R. Williams. No. 1,243,120; Oct. 16; v. 243; p. 599.
- Trigger mechanism for shoulder-arms. T. C. Johnson. No. 1,213,204; Jan. 23; v. 234; p. 1077.
- Trimmer: See—
- Edge-trimmer. Saw-trimmer.
- Hair-trimmer. Salvage-trimmer.
- Hoof-trimmer. Sewing-machine trimmer.
- Lawn-trimmer. Shade-trimmer.
- Lumber-trimmer. Tree-trimmer.
- Paper-trimmer. Turf-edge trimmer.
- Rod-trimmer. Veneer-trimmer.
- Trimmer-blade and strip-deflector, Depressible. J. R. Moffatt. No. 1,247,134; Nov. 20; v. 244; p. 658.
- Trimming and splitting machine. W. C. Baxter. No. 1,238,088; Aug. 28; v. 241; p. 924.
- Trimming apparatus. J. Yanss. No. 1,247,200; Nov. 20; v. 244; p. 677.
- Trimming-machine. A. M. Alexander. No. 1,213,572; Jan. 23; v. 234; p. 1205.
- Trimming-machine. W. Evans. No. 1,247,651; Nov. 27; v. 244; p. 838.
- Trimming-machine. A. R. Koehler. No. 1,227,155; May 22; v. 238; p. 1172.
- Trimming-machine. C. K. MacDonald. No. 1,235,709; Aug. 7; v. 241; p. 57.
- Trimming-machine. C. D. Mattison. No. 1,240,237; Sept. 18; v. 242; p. 547.
- Trimming-machine. L. L. Pfeifer. No. 1,248,394; Nov. 27; v. 244; p. 1050.
- Trimming-machines, Wetting attachment for. L. D. Hiltz. No. 1,227,786; May 29; v. 238; p. 1411.
- Trimming mechanism. J. R. Moffatt. No. 1,237,802; Aug. 21; v. 241; p. 800.
- Trimming or snipping machine. E. A. Salter. No. 1,230,227; June 19; v. 239; p. 707.
- Trimming the ends of articles, Machine for. W. Killingsworth. No. 1,246,935; Nov. 20; v. 244; p. 601.
- Trinitrotoluene, Manufacture of. F. Quartierl. No. 1,241,017; Sept. 25; v. 242; p. 823.

Alphabetical list of inventions—Continued.

- Trioxid of tungsten from its ores, Extracting. L. Rosenstein and E. H. Simonds. No. 1,244,082; Oct. 23; v. 243; p. 926.
- Trip-sling lock. C. F. Link. No. 1,233,376; July 17; v. 240; p. 674.
- Tripping device. C. B. King, B. Jacoby, and C. S. Johnson. No. 1,240,222; Sept. 18; v. 242; p. 543.
- Tripping mechanism, Pressure or vacuum controlled. R. J. S. Pigott. No. 1,210,979; Jan. 2; v. 234; p. 208.
- Triple-seal can. J. G. Hodgson. No. 1,239,183; Sept. 4; v. 242; p. 147.
- Tripod. C. E. Akeley. No. 1,244,682; Oct. 30; v. 243; p. 1144.
- Tripods, Locking means for. J. G. Torr. No. 1,226,724; May 22; v. 238; p. 1023.
- Trocar. D. H. Fetzner. No. 1,215,512; Feb. 13; v. 235; p. 394.
- Trolley. C. Aalborg. No. 1,241,601; Oct. 2; v. 243; p. 44.
- Trolley. J. A. Booth. No. 1,240,814; Sept. 25; v. 242; p. 759.
- Trolley. G. D. Harlow. No. 1,228,206; May 29; v. 238; p. 1551.
- Trolley. R. C. Kissinger. No. 1,247,968; Nov. 27; v. 244; p. 932.
- Trolley. H. K. McClure. No. 1,246,627; Nov. 13; v. 244; p. 476.
- Trolley. J. McMillan and C. V. Greenamyer. No. 1,221,763; Apr. 3; v. 237; p. 264.
- Trolley. W. Schaake. No. 1,241,558; Oct. 2; v. 243; p. 29.
- Trolley. F. A. Wasson. No. 1,221,249; Apr. 3; v. 237; p. 87.
- Trolley and other purposes, Clamping device for. S. A. Redding. No. 1,222,132; Apr. 10; v. 237; p. 426.
- Trolley-catcher. C. I. Earll. No. 1,249,729; Dec. 11; v. 245; p. 406.
- Trolley-contactor. C. H. Murrell. No. 1,231,413; June 26; v. 239; p. 1142.
- Trolley-contactor, Directional. S. S. Stolp. No. 1,229,345; June 12; v. 239; p. 376.
- Trolley-controlled apparatus. J. F. McElroy. No. 1,215,393; Feb. 13; v. 235; p. 351.
- Trolley-door, Electrically-operated. T. W. Findley. No. 1,222,090; Apr. 10; v. 237; p. 411.
- Trolley-ear. W. F. Hall. No. 1,219,098; Mar. 13; v. 236; p. 458.
- Trolley-ear. E. Waldron. No. 1,214,099; Jan. 30; v. 234; p. 1415.
- Trolley-fork. P. Flood. No. 1,247,947; Nov. 27; v. 244; p. 926.
- Trolley-hanger. J. Scott. No. 1,216,372; Feb. 20; v. 235; p. 755.
- Trolley-hanger for grade-crossing bridges. J. Scott. No. 1,248,728; Dec. 4; v. 245; p. 89.
- Trolley-harp. J. H. Carmack. No. 1,225,926; May 15; v. 238; p. 718.
- Trolley-harp. E. A. Leonard. No. 1,213,890; Jan. 30; v. 234; p. 1344.
- Trolley-harp. R. Williams. No. 1,221,257; Apr. 3; v. 237; p. 91.
- Trolley-head. M. H. Kashian. No. 1,237,787; Aug. 21; v. 241; p. 796.
- Trolley-head. A. L. Williams. No. 1,216,901; Feb. 20; v. 235; p. 937.
- Trolley-kite. C. J. Thomas. No. 1,211,896; Jan. 9; v. 234; p. 557.
- Trolley, Meat-smoking. A. N. Benn. No. 1,226,845; May 22; v. 238; p. 1065.
- Trolley mechanism. E. C. Dietrich and C. W. Bliss. No. 1,222,740; Apr. 17; v. 237; p. 682.
- Trolley. Pneumatic retrieving. A. M. Eaton. No. 1,220,323; Mar. 27; v. 236; p. 954.
- Trolley-pole. C. P. Iams and J. A. Ramsey. No. 1,217,946; Mar. 6; v. 236; p. 21.
- Trolley-pole. F. A. Wasson. No. 1,221,250; Apr. 3; v. 237; p. 88.
- Trolley-pole-controlling device. E. A. Colton. No. 1,212,326; Jan. 16; v. 234; p. 737.
- Trolley-pole-positioning mechanism. P. and C. E. Pigache. No. 1,219,769; Mar. 20; v. 236; p. 720.
- Trolley-pole wheel. J. F. Trust. No. 1,220,800; Mar. 27; v. 236; p. 1118.
- Trolley-retriever. A. D. Eberly. No. 1,219,713; Mar. 20; v. 236; p. 701.
- Trolley-retriever. C. E. Gierding. No. 1,212,343; Jan. 16; v. 234; p. 742.
- Trolley-retriever. P. N. Van Epp. No. 1,234,236; July 24; v. 240; p. 989.
- Trolley-shoe. A. Englander and L. Witheril. No. 1,237,247; Aug. 14; v. 241; p. 584.
- Trolley suspension and feed-in ear, Overhead. J. Scott. No. 1,240,263; Sept. 18; v. 242; p. 555.
- Trolley-switch. F. W. Kulicke. No. 1,217,317; Feb. 27; v. 235; p. 1123.
- Trolley system, Continuous. E. N. Hescock. No. 1,236,840; Aug. 14; v. 241; p. 456.
- Trolley-track and bracket, Hooded. G. F. Van Dwyer. No. 1,215,084; Feb. 6; v. 235; p. 211.
- Trolley-track and trolley therefor, Conveyor. A. L. Shaw. No. 1,222,041; Apr. 10; v. 237; p. 394.
- Trolley-wheel. E. Gabriel. No. 1,226,501; May 15; v. 238; p. 912.
- Trolley-wheel. V. K. Johnson. No. 1,219,820; Mar. 20; v. 236; p. 739.
- Trolley-wheel. W. O. McKinlay. No. 1,231,630; July 3; v. 240; p. 30.
- Trolley-wheel. C. H. Taylor. No. 1,223,217; Apr. 17; v. 237; p. 845.
- Trolley-wheel, Compound. J. C. Ollard. No. 1,240,358; Sept. 18; v. 242; p. 585.
- Trolley-wheel mounting. H. Holland. No. 1,218,555; Mar. 6; v. 236; p. 230.
- Trolley-wheel, Self-oiling ball-bearing. C. Flatter and W. L. Case. No. 1,212,338; Jan. 16; v. 234; p. 741.
- Trolley-wire hanger. F. A. Bean. No. 1,220,062; Mar. 20; v. 236; p. 824.
- Trolley-wire hanger. F. G. Bovard. No. 1,250,952; Dec. 25; v. 245; p. 858.
- Trolley-wire hanger. R. F. Hamilton. No. 1,219,732; Mar. 20; v. 236; p. 708.
- Trolley-wire hanger for catenary systems. G. H. Bolus. No. 1,229,705; June 12; v. 239; p. 498.
- Trolley-wire support. C. N. Allarding. No. 1,231,230; June 26; v. 239; p. 1081.
- Trolley-wire-suspending device. W. A. McCallum. No. 1,225,523; Mar. 27; v. 236; p. 1024.
- Trolley-wire-suspending device. W. A. McCallum. No. 1,245,937; Nov. 6; v. 244; p. 240.
- Trolley-wires. Shielding appliance for mine. H. W. Reaume. No. 1,243,220; Oct. 16; v. 243; p. 630.
- Trolley-wires, Spring take-up for. D. H. Hart. No. 1,213,360; Jan. 23; v. 234; p. 1133.
- Trolling device. H. England. No. 1,246,251; Nov. 13; v. 244; p. 361.
- Trolling-spoon. W. Couper. No. 1,224,074; Apr. 24; v. 237; p. 1175.
- Trombone. F. Holton. No. 1,236,173; Aug. 7; v. 241; p. 207.
- Trough: See—
 Dough-trough. Feeding-trough.
 Drinking-trough. Growing-trough.
 Eaves-trough. Hog-trough.
 Feed-trough. Watering-trough.
- Trough. J. B. Grabl. No. 1,248,646; Dec. 4; v. 245; p. 65.
- Trough or flume. W. Lennon. No. 1,218,873; Mar. 13; v. 236; p. 384.
- Trousers. R. Parker. No. 1,247,873; Nov. 27; v. 244; p. 904.
- Trousers band and fastener. A. N. Grefg. No. 1,232,531; July 10; v. 240; p. 364.
- Trousers. Belt suspension for. R. L. Baker. No. 1,233,958; July 17; v. 240; p. 864.
- Trousers-creaser. H. Rosenthal. No. 1,247,455; Nov. 20; v. 244; p. 750.
- Trousers hanger and presser. C. J. Brown. No. 1,242,135; Oct. 9; v. 243; p. 253.
- Trousers hanger, stretcher, and creaser, Combined. H. C. Hubert. No. 1,229,959; June 12; v. 239; p. 581.
- Trousers-presser. H. A. Tenent. No. 1,243,361; Oct. 16; v. 243; p. 671.
- Trousers-protector. A. Marcelli. No. 1,211,472; Jan. 9; v. 234; p. 409.
- Trousers-stretcher. C. B. Boulton. No. 1,250,783; Dec. 18; v. 245; p. 757.
- Trousers-stretcher. M. H. Hansen. No. 1,236,167; Aug. 7; v. 241; p. 205.
- Trousers-stretcher. J. Hren. No. 1,228,440; June 5; v. 239; p. 22.
- Trousers-stretcher. S. Rogstad. No. 1,250,020; Dec. 11; v. 245; p. 490.
- Trousers-stretcher. H. Wikstrom. No. 1,241,593; Oct. 2; v. 243; p. 41.
- Trousers stretcher and press combined. H. M. Miller and H. H. Niemann. No. 1,251,402; Dec. 25; v. 245; p. 989.
- Trousers-support. R. J. Rasmussen. No. 1,245,272; Nov. 6; v. 244; p. 38.
- Trousers-supporter. W. Baake. No. 1,243,680; Oct. 23; v. 243; p. 799.
- Trousers-supporter. B. H. Freedman. No. 1,243,828; Oct. 23; v. 243; p. 850.
- Trowel. W. Smith. No. 1,212,826; Jan. 16; v. 234; p. 912.
- Trowel. T. N. Wilson. No. 1,249,580; Dec. 11; v. 245; p. 362.
- Trowel attachment. M. F. Corswandt. No. 1,239,671; Sept. 11; v. 242; p. 332.
- Trowel, Corner. J. A. McCaskey. No. 1,229,630; June 12; v. 239; p. 473.
- Trowel, Molder's. T. A. Gatten. No. 1,244,487; Oct. 30; v. 243; p. 1085.
- Troweling mechanism. F. H. Folden. No. 1,227,900; May 29; v. 238; p. 1451.
- Truck. V. E. Beagle. No. 1,230,839; June 26; v. 239; p. 949.
- Truck. C. A. Brickel. No. 1,227,875; May 29; v. 238; p. 1442.
- Truck. E. L. Buschman. No. 1,239,457; Sept. 11; v. 242; p. 264.
- Truck. L. G. Carey. No. 1,228,179; May 29; v. 238; p. 1542.
- Truck. W. A. Caswell. No. 1,215,342; Feb. 13; v. 235; p. 333.
- Truck. J. L. Chesnutt. No. 1,230,278; June 19; v. 239; p. 724.

- Truck. G. Collis. No. 1,239,771; Sept. 11; v. 242; p. 363.
 Truck. H. Crain, H. V. Kengle, and E. E. Bundy. No. 1,240,178; Sept. 18; v. 242; p. 527.
 Truck. G. E. Fravel. No. 1,248,839; Dec. 4; v. 245; p. 123.
 Truck. A. A. Gahen. No. 1,229,933; June 12; v. 239; p. 572.
 Truck. J. E. Gallanore and J. L. Patman. No. 1,231,874; July 3; v. 240; p. 114.
 Truck. J. A. Head. No. 1,243,063; Oct. 16; v. 243; p. 583.
 Truck. G. G. and E. L. Howe and R. J. Teeter. No. 1,234,665; July 24; v. 240; p. 1127.
 Truck. G. G. and E. L. Howe and R. J. Teeter. No. 1,234,667; July 24; v. 240; p. 1127.
 Truck. F. G. Koehler. No. 1,221,997; Apr. 10; v. 237; p. 380.
 Truck. P. J. Madigan. No. 1,239,498; Sept. 11; v. 242; p. 276.
 Truck. K. Malcher. No. 1,232,822; July 10; v. 240; p. 459.
 Truck. G. L. Mason. (Reissue.) No. 14,404; Dec. 4; v. 245; p. 255.
 Truck. W. H. Mayfield. No. 1,245,004; Oct. 30; v. 243; p. 1242.
 Truck. F. A. Moore. No. 1,243,200; Oct. 16; v. 243; p. 624.
 Truck. M. R. Mueller. No. 1,242,223; Oct. 9; v. 243; p. 280.
 Truck. J. J. Muir. No. 1,250,621; Dec. 18; v. 245; p. 709.
 Truck. O. and A. Olson. No. 1,244,238; Oct. 23; v. 243; p. 972.
 Truck. H. L. Reed. No. 1,225,859; May 15; v. 238; p. 695.
 Truck. W. O. Shadbolt. No. 1,245,276; Nov. 6; v. 244; p. 40.
 Truck. W. O. Shadbolt. No. 1,248,024; Nov. 27; v. 244; p. 946.
 Truck. O. R. Thomas. No. 1,230,341; June 19; v. 239; p. 745.
 Truck. W. C. Turnbow. No. 1,242,390; Oct. 9; v. 243; p. 333.
 Truck. J. B. Walker. No. 1,241,481; Sept. 25; v. 242; p. 967.
 Truck. E. Whalley. No. 1,230,250; June 19; v. 239; p. 714.
 Truck. E. Whalley. No. 1,230,251; June 19; v. 239; p. 715.
 Truck and drive therefor, Railway. W. H. Buckingham and H. S. Johnson. No. 1,216,063; Feb. 13; v. 235; p. 594.
 Truck and hitch for same, Automobile trailer. A. R. Curtis. No. 1,213,080; Jan. 16; v. 234; p. 1000.
 Truck and tractor, Turn-table end. L. H. Shoemaker. No. 1,246,478; Nov. 13; v. 244; p. 430.
 Truck and turn-table, Automobile repair. J. W. Wood. No. 1,243,574; Oct. 16; v. 243; p. 734.
 Truck and wheelbarrow. E. B. Peirce. No. 1,230,769; June 19; v. 239; p. 886.
 Truck, Auto delivery. J. F. Laytham and D. A. Arnold. No. 1,223,806; Apr. 24; v. 237; p. 1085.
 Truck, Automatic weighing. G. W. W. Mattson. No. 1,237,361; Aug. 21; v. 241; p. 660.
 Truck, Automobile. G. H. W. Lindhorst. No. 1,212,780; Jan. 16; v. 234; p. 898.
 Truck, Baggage. L. B. Ferguson. No. 1,244,971; Oct. 30; v. 243; p. 1232.
 Truck, Baggage. A. H. Gfrörer. No. 1,242,677; Oct. 9; v. 243; p. 425.
 Truck, Baggage. R. D. King. No. 1,236,847; Aug. 14; v. 241; p. 458.
 Truck, Binder-tongue. F. H. Bobier. No. 1,218,516; Mar. 6; v. 236; p. 216.
 Truck-blocking device. P. J. Cunningham. No. 1,220,322; Mar. 27; v. 236; p. 954.
 Truck-bolster. S. A. Benner. No. 1,224,128; May 1; v. 238; p. 4.
 Truck-bolster. S. A. Benner. No. 1,230,268; June 19; v. 239; p. 721.
 Truck-bolster. C. F. Huntoon. No. 1,210,478; Jan. 2; v. 234; p. 34.
 Truck-bolster. E. A. Laughlin. No. 1,222,552; Apr. 10; v. 237; p. 576.
 Truck bolster, Car. J. A. Pilcher. No. 1,213,252; Jan. 23; v. 234; p. 1094.
 Truck-bolster, Cast. Y. Miyasaki. (Reissue.) No. 14,307; May 29; v. 238; p. 1610.
 Truck-bolster construction. S. A. Benner. No. 1,215,766; Feb. 13; v. 235; p. 486.
 Truck-bolster for railway-cars. J. F. O'Connor. No. 1,243,757; Oct. 23; v. 243; p. 827.
 Truck-bolster, Lateral-motion. J. J. Sullivan. No. 1,224,684; May 1; v. 238; p. 203.
 Truck-bolster, Lateral-motion. J. J. Sullivan. No. 1,224,685; May 1; v. 238; p. 203.
 Truck brake, Car. B. W. Kadel. No. 1,241,395; Sept. 25; v. 242; p. 941.
 Truck brake, Mining-machine. E. L. Hopkins. No. 1,218,402; Mar. 6; v. 236; p. 178.
 Truck, Car. F. L. Barber and C. S. Walton. No. 1,229,398; June 12; v. 239; p. 894.
 Truck, Car. F. L. Barber and E. W. Webb. No. 1,240,166; Sept. 18; v. 242; p. 523.
 Truck, Car. L. J. Berg. No. 1,220,170; Mar. 27; v. 236; p. 899.
 Truck, Car. E. G. Chandler. No. 1,222,931; Apr. 17; v. 237; p. 747.
 Truck, Car. C. Hanks. No. 1,241,375; Sept. 25; v. 242; p. 935.
 Truck, Car. S. Hansson. No. 1,211,146; Jan. 2; v. 234; p. 263.
 Truck, Car. B. W. Kadel. No. 1,213,206; Jan. 23; v. 234; p. 1077.
 Truck, Car. B. W. Kadel. No. 1,241,394; Sept. 25; v. 242; p. 941.
 Truck, Car. B. D. Lockwood. No. 1,212,236; Jan. 16; v. 234; p. 702.
 Truck, Car. G. E. Marble. No. 1,225,149; May 8; v. 238; p. 412.
 Truck, Car. G. K. Thompson. No. 1,211,789; Jan. 9; v. 234; p. 517.
 Truck, Car. C. S. Walton. No. 1,238,463; Aug. 28; v. 241; p. 1048.
 Truck, Car. E. W. Webb and C. S. Walton. No. 1,215,086; Feb. 6; v. 235; p. 212.
 Truck, Car. E. W. Webb and C. S. Walton. No. 1,235,745; Aug. 7; v. 241; p. 69.
 Truck, Car. E. W. Webb and C. S. Walton. No. 1,241,688; Oct. 2; v. 243; p. 70.
 Truck column, Car. G. E. Scott. No. 1,223,526; Apr. 24; v. 237; p. 986.
 Truck-crane. M. Hendrickson. No. 1,235,472; July 31; v. 240; p. 1405.
 Truck, Dump. C. H. Clark and H. L. Beach. No. 1,220,727; Mar. 27; v. 236; p. 1093.
 Truck, Dump. C. H. Clark and H. L. Beach. No. 1,220,728; Mar. 27; v. 236; p. 1093.
 Truck, Elevating. J. H. Anderson. No. 1,228,162; May 29; v. 238; p. 1537.
 Truck, Elevating. F. Blackburn. No. 1,243,035; Oct. 16; v. 243; p. 574.
 Truck, Elevating. W. J. McCallum. No. 1,230,739; June 19; v. 239; p. 876.
 Truck, Elevating. M. Ruckes. No. 1,244,783; Oct. 30; v. 243; p. 1176.
 Truck, Elevator. W. R. Metz. No. 1,227,646; May 29; v. 238; p. 1363.
 Truck, Emergency. H. J. Trana. No. 1,236,626; Aug. 14; v. 241; p. 385.
 Truck fender, Automobile. M. M. Shaw. No. 1,248,935; Dec. 4; v. 245; p. 148.
 Truck, Folding. W. E. Parker and W. Burns. No. 1,226,585; May 15; v. 238; p. 938.
 Truck for articulated geared locomotives. E. F. Backer. No. 1,242,308; Oct. 9; v. 243; p. 307.
 Truck for cane-hauling, Motor. C. C. Reasoner. No. 1,250,505; Dec. 18; v. 245; p. 674.
 Truck for farm implements, Tongue. W. H. Thomas. No. 1,248,036; Nov. 27; v. 244; p. 949.
 Truck for handling automobiles. D. C. Perderbaugh. No. 1,230,326; June 19; v. 239; p. 739.
 Truck for harvesters and the like, Pore. E. C. Smith. No. 1,217,116; Feb. 20; v. 235; p. 1011.
 Truck for harvesters and the like, Power. W. L. Hendricks. No. 1,239,484; Sept. 11; v. 242; p. 272.
 Truck for railway and tramway vehicles. S. Thomas and F. Strait-Gardner. No. 1,242,075; Oct. 2; v. 243; p. 192.
 Truck for railway, tramway, and like vehicles, Axle. E. Peckham and S. Thomas. No. 1,239,212; Sept. 4; v. 242; p. 157.
 Truck for waste material. C. H. Norton. No. 1,234,376; July 24; v. 240; p. 1035.
 Truck for wheeled vehicles. C. R. Raney and R. C. Livesay. No. 1,216,360; Feb. 20; v. 235; p. 750.
 Truck, Four-wheel-drive. A. and D. S. Stewart. No. 1,234,952; July 31; v. 240; p. 1251.
 Truck-frame. S. Hansson. No. 1,233,349; July 17; v. 240; p. 664.
 Truck-frame and bolster. A. H. Voss. No. 1,240,270; Sept. 18; v. 242; p. 557.
 Truck, Freight. R. M. Lloyd. No. 1,211,949; Jan. 9; v. 234; p. 577.
 Truck, Hand. E. Forney. No. 1,241,366; Sept. 25; v. 242; p. 933.
 Truck-handle, Detachable. J. Norton. No. 1,213,938; Jan. 30; v. 234; p. 1359.
 Truck, Industrial. M. S. Towson. No. 1,233,824; July 17; v. 240; p. 820.
 Truck, Jack. G. W. Trambley. No. 1,239,640; Sept. 11; v. 242; p. 321.
 Truck, Linoleum. A. J. McCabe. No. 1,224,759; May 1; vol. 238; p. 229.
 Truck loader and unloader. S. McDaniel. No. 1,246,765; Nov. 13; v. 244; p. 515.
 Truck-loading mechanism, Motor. M. S. Thompson. No. 1,247,034; Nov. 20; v. 244; p. 629.
 Truck, Locomotive. J. S. Payne. No. 1,227,192; May 22; v. 238; p. 1184.
 Truck, Log-hauling. J. S. Davis. No. 1,230,131; June 19; v. 239; p. 674.
 Truck, Monorail. R. A. McClure. No. 1,245,480; Nov. 6; v. 244; p. 101.
 Truck, Mop. W. S. Fennell. No. 1,236,156; Aug. 7; v. 241; p. 202.

Alphabetical list of inventions—Continued.

- Truck, Motor-. L. T. Bassett. No. 1,231,474; June 26; v. 239; p. 1161.
- Truck, Motor-. W. C. Carr. No. 1,237,867; Aug. 21; v. 241; p. 820.
- Truck, Motor-. W. C. Carr. No. 1,248,075; Nov. 27; v. 244; p. 959.
- Truck, Motor-. J. H. Goodrich. No. 1,242,682; Oct. 9; v. 243; p. 427.
- Truck or stand used in assembling motors. J. F. and H. E. Dodge. No. 1,216,552; Feb. 20; v. 235; p. 819.
- Truck or the like. W. L. Parmenter. No. 1,234,797; July 31; v. 240; p. 1201.
- Truck, Piano-. H. C. Z. Sawtell. No. 1,219,492; Mar. 20; v. 236; p. 623.
- Truck, Pilot-. W. F. J. Casey and G. Cavin. No. 1,233,979; July 17; v. 240; p. 871.
- Truck, Radiating-. A. F. H. Head. No. 1,232,918; July 10; v. 240; p. 491.
- Truck, Radiating car-. A. F. H. Head. No. 1,232,917; July 10; v. 240; p. 491.
- Truck, Railway-. A. E. Ostrander. No. 1,244,767; Oct. 30; v. 243; p. 1171.
- Truck, Railway-. R. G. Taylor. No. 1,243,006; Oct. 16; v. 243; p. 564.
- Truck, Railway-. R. G. Taylor. No. 1,243,007; Oct. 16; v. 243; p. 565.
- Truck, Railway-car. H. Burrmann. No. 1,237,166; Aug. 14; v. 241; p. 558.
- Truck, Railway-car. H. Burrmann. No. 1,237,167; Aug. 14; v. 241; p. 558.
- Truck, Railway-car. O. T. Dougherty. No. 1,226,756; May 22; v. 238; p. 1035.
- Truck, Railway-car. J. Z. Frindt. No. 1,241,105; Sept. 25; v. 242; p. 849.
- Truck, Railway-car. J. Laughlin and P. A. Elseth. No. 1,241,638; Oct. 2; v. 243; p. 55.
- Truck, Reel-handling. W. Marshall. No. 1,231,040; June 26; v. 239; p. 1017.
- Truck, Roller-. M. A. Demuth. No. 1,217,159; Feb. 27; v. 235; p. 1070.
- Truck, Self-centering railway-. N. Pynn. No. 1,228,131; May 29; v. 238; p. 1527.
- Truck side frame, Car-. C. W. Sherman. No. 1,214,382; Jan. 30; v. 234; p. 1514.
- Truck side frame, Car-. C. W. Sherman. No. 1,246,169; Nov. 13; v. 244; p. 336.
- Truck side frame, Car-. C. W. Sherman. No. 1,247,339; Nov. 20; v. 244; p. 716.
- Truck, Six-wheeled car-. W. H. Wilson. No. 1,240,638; Sept. 18; v. 242; p. 670.
- Truck spring-stabilizer, Single-. S. A. Bullock. No. 1,231,487; June 26; v. 239; p. 1165.
- Truck spring suspension, Railway-. G. E. Parks. No. 1,239,211; Sept. 4; v. 242; p. 157.
- Truck, Tongue-. T. C. Duncan. No. 1,251,356; Dec. 25; v. 245; p. 976.
- Truck, Tongue-. C. A. A. Rand. No. 1,242,980; Oct. 16; v. 243; p. 555.
- Truck, Tongue-. J. A. Stone. No. 1,222,813; Apr. 17; v. 237; p. 708.
- Truck, Tractor-. V. A. Boker. No. 1,221,133; Apr. 3; v. 237; p. 45.
- Truck, Tractor-. A. O. Lombard. No. 1,234,355; July 24; v. 240; p. 1028.
- Truck, Tractor-. W. N. Smith. No. 1,222,335; Apr. 10; v. 237; p. 499.
- Truck, Trailer-. W. R. Hudson. No. 1,214,037; Jan. 30; v. 234; p. 1395.
- Truck, Two-wheeled. W. A. Dorsey. No. 1,215,633; Feb. 13; v. 235; p. 440.
- Truck, Vehicle-. W. S. Wills. No. 1,239,996; Sept. 11; v. 242; p. 434.
- Truck, Vehicle-moving. A. L. Sessions. No. 1,224,574; May 1; v. 238; p. 164.
- Truck, Vending-. J. F. Huckel. No. 1,210,805; Jan. 2; v. 234; p. 147.
- Truck, Ware-. A. B. Klay. No. 1,230,306; June 19; v. 239; p. 733.
- Truck, Warehouse-. A. Peterson. No. 1,220,269; Mar. 27; v. 236; p. 933.
- Truck wheel, Automobile-. F. S. Merrill. No. 1,219,022; Mar. 13; v. 236; p. 433.
- Truck, Yard-. R. S. Maxwell. No. 1,217,479; Feb. 27; v. 235; p. 1181.
- Trucks, Air-brake system for. E. G. Chandler. No. 1,251,181; Dec. 25; v. 245; p. 924.
- Trucks, Auxiliary spring for car-. J. A. Lamont. No. 1,210,493; Jan. 2; v. 234; p. 40.
- Trucks, Brake arrangement for six-wheel. J. C. Whitridge and G. T. Johnson. No. 1,232,142; July 3; v. 240; p. 205.
- Trucks, Brake arrangement for six-wheel. J. C. Whitridge and G. T. Johnson. No. 1,232,143; July 3; v. 240; p. 206.
- Trucks, Brake arrangement for six-wheel. J. C. Whitridge and G. T. Johnson. No. 1,232,144; July 3; v. 240; p. 206.
- Trucks, Brake arrangement for six-wheel. J. C. Whitridge and G. T. Johnson. No. 1,232,145; July 3; v. 240; p. 206.
- Trucks, Cast-steel bolster for railway-car. J. F. O'Connor. No. 1,249,467; Dec. 11; v. 245; p. 330.
- Trucks, Equalizer for six-wheel. P. Parke and C. S. Knapp. No. 1,247,872; Nov. 27; v. 244; p. 904.
- Trucks, Four-wheel drive for. J. J. Middlebrook. No. 1,249,449; Dec. 11; v. 245; p. 325.
- Trucks, Raised sill for express and baggage. G. M. Engle. No. 1,219,274; Mar. 13; v. 236; p. 518.
- Trucks, Spring suspension for automobile. E. J. Welch. No. 1,213,314; Jan. 23; v. 234; p. 1116.
- Trucks, Spring suspension system for railway-. F. H. Hardin. No. 1,211,939; Jan. 9; v. 234; p. 573.
- Trucks, Steering-tongue for. O. Elton. No. 1,248,833; Dec. 4; v. 245; p. 121.
- Trucks, Worm-drive for railway-car. W. H. Buckingham and H. S. Johnson. No. 1,216,064; Feb. 13; v. 235; p. 595.
- Trucking system. R. C. Weller, P. D. Naugle, and S. T. Hyde. No. 1,213,317; Jan. 23; v. 234; p. 1118.
- Truing device. F. Leu. No. 1,215,822; Feb. 13; v. 235; p. 506.
- Truing-up gage. G. Osberg and W. Johanson. No. 1,236,748; Aug. 14; v. 241; p. 427.
- Trunk. C. D. Barksdale. No. 1,224,863; May 1; v. 238; p. 264.
- Trunk. J. Berg. No. 1,235,097; July 31; v. 240; p. 1295.
- Trunk. J. H. Brewer. No. 1,242,901; Oct. 9; v. 243; p. 495.
- Trunk. G. F. Grube. No. 1,217,298; Feb. 27; v. 235; p. 1117.
- Trunk. E. C. Ross. No. 1,210,698; Jan. 2; v. 234; p. 111.
- Trunk, Compartment-. H. A. Shaw. No. 1,244,647; Oct. 30; v. 243; p. 1134.
- Trunk-fastener. J. W. Espenlaub. No. 1,214,489; Jan. 30; v. 234; p. 1548.
- Trunk-fastener. J. S. Isidor. No. 1,229,962; June 12; v. 239; p. 582.
- Trunk fastening, Wardrobe-. S. Blumenfeld. No. 1,215,469; Feb. 13; v. 235; p. 377.
- Trunk-lock. C. D. Barksdale. No. 1,218,043; Mar. 6; v. 236; p. 54.
- Trunk-lock. M. Burda. No. 1,217,146; Feb. 27; v. 235; p. 1066.
- Trunk-lock. S. Klein and J. Luttmann. No. 1,214,687; Feb. 6; v. 235; p. 72.
- Trunk-lock. S. Klein and J. Luttmann. No. 1,237,526; Aug. 21; v. 241; p. 713.
- Trunk-lock. F. J. Ohmes. No. 1,215,841; Feb. 13; v. 235; p. 514.
- Trunk-lock. H. W. Raymond. No. 1,250,352; Dec. 18; v. 245; p. 629.
- Trunk-lock, Permutation. E. P. Crandall. No. 1,230,126; June 19; v. 239; p. 673.
- Trunk lock, Wardrobe-. T. M. House. No. 1,251,231; Dec. 25; v. 245; p. 939.
- Trunk-locking fixture. G. H. Wheary. No. 1,235,266; July 31; v. 240; p. 1345.
- Trunk-locking means. G. H. Wheary. No. 1,212,299; Jan. 16; v. 234; p. 728.
- Trunk-locking mechanism. G. H. Juergens. No. 1,214,042; Jan. 30; v. 234; p. 1397.
- Trunk-roping device. E. C. Reynolds. No. 1,250,014; Dec. 11; v. 245; p. 489.
- Trunk-securing means. S. E. Winship. No. 1,231,978; July 3; v. 240; p. 147.
- Trunk slats, strips, and moldings, Machine for manufacturing. E. T. Bradbury. No. 1,217,907; Mar. 6; v. 236; p. 7.
- Trunk, Traveler's. C. E. Selders. No. 1,217,647; Feb. 27; v. 235; p. 1243.
- Trunk, Wardrobe-. C. G. Graves. No. 1,212,139; Jan. 9; v. 234; p. 639.
- Trunk, Wardrobe-. C. G. Graves. (Reissue.) No. 1,434,6; Aug. 28; v. 241; p. 1130.
- Trunk, Wardrobe-. G. H. Juergens. No. 1,223,886; Apr. 24; v. 237; p. 1112.
- Trunk, Wardrobe-. S. Lesnikowski. No. 1,230,910; June 26; v. 239; p. 971.
- Trunk, Wardrobe-. J. Rauchbach. No. 1,215,991; Feb. 13; v. 235; p. 567.
- Trunk, Wardrobe-. G. H. Wheary. No. 1,243,366; Oct. 16; v. 243; p. 673.
- Trunks, boxes, and the like, Corner construction for. G. H. Wheary. No. 1,235,948; Aug. 7; v. 241; p. 138.
- Trunks, Follower for. T. J. Moore. No. 1,220,258; Mar. 27; v. 236; p. 929.
- Trunks, Garment-supporting rack for. J. J. Cannan. No. 1,219,624; Mar. 20; v. 236; p. 671.
- Trunks, Pocket for. H. F. Rodemerk. No. 1,244,898; Oct. 30; v. 243; p. 1211.
- Trunking system, Automatic. E. D. Fales. No. 1,248,834; Dec. 4; v. 245; p. 121.
- Trunking system, Automatic. E. A. Reinke. No. 1,242,374; Oct. 9; v. 243; p. 327.
- Truss. W. N. Best. No. 1,221,016; Apr. 3; v. 237; p. 5.
- Truss. G. D. Cooper. No. 1,237,480; Aug. 21; v. 241; p. 697.
- Truss. G. D. Cooper. No. 1,248,810; Dec. 4; v. 245; p. 114.
- Truss. J. Dodge. No. 1,226,645; May 22; v. 238; p. 997.
- Truss. A. A. Fillip. No. 1,219,094; Mar. 13; v. 236; p. 457.
- Truss. C. A. Fischer. No. 1,225,232; May 8; v. 238; p. 439.
- Truss. C. E. Jewell. No. 1,218,664; Mar. 13; v. 236; p. 306.

- Truss. J. C. Kingsland. No. 1,240,732; Sept. 18; v. 242; p. 700.
- Truss. H. D. O'Brien. No. 1,244,766; Oct. 30; v. 243; p. 1171.
- Truss. C. Rodenbaugh. No. 1,225,177; May 8; v. 238; p. 421.
- Truss. V. Pedrotti. No. 1,248,156; Nov. 27; v. 244; p. 984.
- Truss. O. A. Shipley. No. 1,211,250; Jan. 2; v. 234; p. 302.
- Truss. W. Wenzel. No. 1,223,751; Apr. 24; v. 237; p. 1065.
- Truss, Differential housing-. F. T. Brady. No. 1,227,378; May 22; v. 238; p. 1244.
- Truss, Hernia-. J. A. Steinert. No. 1,239,314; Sept. 4; v. 242; p. 190.
- Truss, Hernial. G. R. House. No. 1,222,763; Apr. 17; v. 237; p. 690.
- Truss, Hernial. G. A. McMillen. No. 1,237,667; Aug. 21; v. 241; p. 759.
- Truss-pad. W. T. Bobo. No. 1,211,666; Jan. 9; v. 234; p. 474.
- Truss-pad. H. D. O'Brien. No. 1,219,032; Mar. 13; v. 236; p. 437.
- Truss-pad attachment. H. C. Tindall. No. 1,222,904; Apr. 17; v. 237; p. 738.
- Truss pad, Hernial-. W. B. Seeley. No. 1,237,709; Aug. 21; v. 241; p. 772.
- Tub. *See*—
- Bath-tub. Trawl-tub.
- Feeding sanitary tub.
- Tub-beater. C. W. Unkle and T. D. Griley. No. 1,244,144; Oct. 23; v. 243; p. 943.
- Tub-cover. W. B. Schott. No. 1,222,035; Apr. 10; v. 237; p. 393.
- Tub cover. Laundry-. I. L. Miller. No. 1,238,319; Aug. 28; v. 241; p. 1001.
- Tub-drainer. H. J. Berg. No. 1,212,004; Jan. 9; v. 234; p. 595.
- Tub-securing support. T. S. Morton. No. 1,230,425; June 19; v. 239; p. 771.
- Tubbing-machines, Operating mechanism for. F. Blattner, Jr. No. 1,219,231; Mar. 13; v. 236; p. 504.
- Tube. *See*—
- Cathode-ray tube. Pitot tube.
- Collapsible tube. Roentgen-ray tube.
- Cone-tube. Self-healing tube.
- Drenching-tube. Spout-tube.
- Ear-tube. Submarine escapement-tube.
- Feed-tube. Swivel cord-tube.
- Inner tube. Tire inner tube.
- Liquid-dispensing tube. Welded tube.
- Metal tube. X-ray tube.
- Neon-tube.
- Tube. E. H. Angier. No. 1,242,903; Oct. 16; v. 243; p. 531.
- Tube apparatus, Carrier for pneumatic-. M. Fellows. No. 1,240,327; Sept. 18; v. 242; p. 576.
- Tube-bending machine. L. H. Brinkman. No. 1,210,894; Jan. 2; v. 234; p. 178.
- Tube-bending machine. W. P. Frank. No. 1,225,426; May 8; v. 238; p. 507.
- Tube-bending mechanism. A. J. Reynders. No. 1,238,941; Sept. 4; v. 242; p. 70.
- Tube-clamp. J. M. Brown. No. 1,248,448; Dec. 4; v. 245; p. 6.
- Tube-clamp. C. P. Kuehner. No. 1,211,718; Jan. 9; v. 234; p. 491.
- Tube-clamp. C. P. Kuehner. No. 1,213,504; Jan. 23; v. 234; p. 1181.
- Tube-cleaner. A. F. Froussard. No. 1,221,984; Apr. 10; v. 237; p. 375.
- Tube-cleaning apparatus, Multiple-. E. E. Hauer. No. 1,218,765; Mar. 13; v. 236; p. 343.
- Tube-cleaning tool. C. M. Griffin. No. 1,248,847; Dec. 4; v. 245; p. 125.
- Tube-coating machine. G. R. Wyman and A. E. Currier. No. 1,216,039; Feb. 13; v. 235; p. 586.
- Tube-compressor. J. Janish, Jr. No. 1,238,521; Aug. 28; v. 241; p. 1067.
- Tube-coupling. K. O. Muehlberg. No. 1,217,203; Feb. 27; v. 235; p. 1085.
- Tube-cutter. B. E. Weeks. No. 1,211,988; Jan. 9; v. 234; p. 590.
- Tube cutting and threading tool. C. F. Botto. No. 1,216,772; Feb. 20; v. 235; p. 894.
- Tube dividers, Attachment for test-. B. E. Taylor. No. 1,250,383; Dec. 18; v. 245; p. 638.
- Tube expander, Metal-. F. Lawlor. No. 1,232,938; July 10; v. 240; p. 498.
- Tube-flange and clamping device therefor. T. E. Murray. No. 1,225,478; May 8; v. 238; p. 524.
- Tube, Flanging the end of a metal. T. E. Murray. No. 1,212,804; Jan. 16; v. 234; p. 905.
- Tube, Flanging the end of a metal. T. E. Murray. No. 1,215,965; Feb. 13; v. 235; p. 559.
- Tube, Forming a. H. M. Brightman. No. 1,219,802; Mar. 20; v. 236; p. 733.
- Tube, Forming a lap-jointed. S. B. Field. No. 1,228,766; June 5; v. 239; p. 134.
- Tube holder, Collapsible-. E. B. Priddy. No. 1,247,600; Nov. 20; v. 244; p. 790.
- Tube-mill. F. E. Marcy. No. 1,226,555; May 15; v. 238; p. 929.
- Tube-mill. A. M. Read. No. 1,249,494; Dec. 11; v. 245; p. 339.
- Tube-mill and ball-mill, Combined. L. L. Mushett. No. 1,246,775; Nov. 13; v. 244; p. 517.
- Tube-mill liner. F. E. Johnson. No. 1,243,742; Oct. 23; v. 243; p. 822.
- Tube-rectifying machine. F. Krzysko. No. 1,234,183; July 24; v. 240; p. 972.
- Tube-reducing mill. R. E. Brock. No. 1,211,070; Jan. 2; v. 234; p. 239.
- Tube-rolling apparatus. G. J. Thust. No. 1,240,513; Sept. 18; v. 242; p. 633.
- Tube-testing device. M. J. Sobraske. No. 1,222,817; Apr. 17; v. 237; p. 709.
- Tubes and the like, Closure for collapsible. R. W. Bowlers. No. 1,231,996; July 3; v. 240; p. 154.
- Tubes and tube-sheets, Connection of the ends of. A. R. Hodges. No. 1,250,881; Dec. 18; v. 245; p. 786.
- Tubes, Apparatus for and method of corrugating metal. L. H. Brinkman. No. 1,210,895; Jan. 2; v. 234; p. 178.
- Tubes, Apparatus for discharging collapsible. C. V. Poland. No. 1,228,309; May 29; v. 238; p. 1585.
- Tubes, &c., Cap-retainer for deformable. C. Clark. No. 1,210,599; Jan. 2; v. 234; p. 76.
- Tubes, Cap-retainer for deformable. C. Clark. No. 1,210,600; Jan. 2; v. 234; p. 76.
- Tubes, Closure for collapsible. W. P. Burbage. No. 1,229,029; June 5; v. 239; p. 220.
- Tubes, Envelop for inner. C. F. Smith and C. A. White. No. 1,221,100; Apr. 3; v. 237; p. 34.
- Tubes, Joining metal and glass. H. Y. Norwood. No. 1,232,074; July 3; v. 240; p. 182.
- Tubes, Making. W. E. Hughes. No. 1,223,282; Apr. 17; v. 237; p. 865.
- Tubes, Manufacture of seamless. R. Reimann and A. P. Parselle. No. 1,213,539; Jan. 23; v. 234; p. 1194.
- Tubes, Method of and apparatus for removing interior burs from. H. E. Butcher. No. 1,215,773; Feb. 13; v. 235; p. 489.
- Tubes or pipes, Coupling for flanged. T. E. Murray. No. 1,227,179; May 22; v. 238; p. 1180.
- Tubes, pipes, and the like from pulp, Manufacture of. H. Parker. No. 1,234,701; July 24; v. 240; p. 1136.
- Tubes, Producing solid ribs on sheet-metal. T. E. Murray. No. 1,220,773; Mar. 27; v. 236; p. 1108.
- Tubing apparatus. E. G. Webber. No. 1,248,962; Dec. 4; v. 245; p. 156.
- Tubing, Bending. J. Merritt and W. A. Sawyer. No. 1,217,101; Feb. 20; v. 235; p. 1004.
- Tubing catcher, Well-. S. A. Gulberson, Jr. No. 1,218,549; Mar. 6; v. 236; p. 228.
- Tubing-die. E. G. Webber. No. 1,248,963; Dec. 4; v. 245; p. 156.
- Tubing, Flexible metal. J. V. Robinson. No. 1,212,685; Jan. 16; v. 234; p. 866.
- Tubing machine, Metal-. A. Murf and S. Beck. No. 1,227,482; May 22; v. 238; p. 1278.
- Tubing, Manufacture of flexible metal. E. James. No. 1,243,179; Oct. 16; v. 243; p. 617.
- Tubular-article mold. E. A. Schuettig. No. 1,225,182; May 8; v. 238; p. 423.
- Tubular bars, Making. W. Jenkins. No. 1,231,897; July 3; v. 240; p. 122.
- Tubular coupling, Three-piece. P. C. Hill. No. 1,229,079; June 5; v. 239; p. 236.
- Tubular drill. C. A. Johnson. No. 1,213,652; Jan. 23; v. 234; p. 1232.
- Tubular fabric and making same, Seamless. W. E. Smith. No. 1,231,443; June 26; v. 239; p. 1151.
- Tubular fabric, Machine for distending and turning. C. A. Gonzenbach. No. 1,246,910; Nov. 20; v. 244; p. 595.
- Tubular lock. A. C. Bell. No. 1,228,172; May 29; v. 238; p. 1541.
- Tubular spoked wheel. W. E. Williams. No. 1,248,585; Dec. 4; v. 245; p. 47.
- Tuberculosis, leprosy, and other diseases, Substance for treatment of and mixing said substance. B. S. Paschall. No. 1,250,345; Dec. 18; v. 245; p. 627.
- Tufting-machine. R. L. Kenyon. No. 1,220,237; Mar. 27; v. 236; p. 922.
- Tufting mechanism. W. E. Buser. No. 1,215,618; Feb. 13; v. 235; p. 435.
- Tug and trace. Hame-. G. T. Monroe. No. 1,239,290; Sept. 4; v. 242; p. 183.
- Tug connections, Locking means for. C. E. Downing. No. 1,242,661; Oct. 9; v. 243; p. 420.
- Tumbler and bottle washer. C. R. Ford. No. 1,218,936; Mar. 13; v. 236; p. 405.
- Tumbler and stein washer. R. Wrla. No. 1,234,247; July 24; v. 240; p. 993.
- Tumbler, Drying-. B. T. Hickman. No. 1,243,603; Oct. 16; v. 243; p. 743.
- Tumbler-lock. G. B. Fischer. No. 1,215,013; Feb. 6; v. 235; p. 188.
- Tumbler-support. M. A. Owens. No. 1,213,685; Jan. 23; v. 234; p. 1244.
- Tungsten contact-point. C. A. Pfanstiehl. No. 1,220,886; Mar. 27; v. 236; p. 1147.
- Tungsten from scheelite, Production of. J. C. Butterfield. No. 1,217,913; Mar. 6; v. 236; p. 10.
- Tungsten from tungsten ores, Extraction of. J. C. Butterfield. No. 1,217,914; Mar. 6; v. 236; p. 10.

Alphabetical list of inventions—Continued.

- Tungsten metal of any desired shape, Producing homogeneous bodies of chemically-pure. O. Voigtländer and H. Lohmann. No. 1,212,426; Jan. 16; v. 234; p. 772.
- Tungsten, Producing homogeneous articles of any desired form out of pure. O. Voigtländer. No. 1,224,242; May 1; v. 238; p. 45.
- Tuning instrument. C. C. Woods. No. 1,212,304; Jan. 16; v. 234; p. 729.
- Tuning-peg for stringed instruments. F. W. Becker. No. 1,223,554; Apr. 24; v. 237; p. 995.
- Tuning-pin. M. L. Severy and W. L. Flint. No. 1,232,862; July 10; v. 240; p. 472.
- Tuning-pin for harps and the like. W. I. Kirk. No. 1,220,430; Mar. 27; v. 236; p. 992.
- Tunnel and building same. D. D. McBean. No. 1,221,067; Apr. 3; v. 237; p. 22.
- Tunnel and retaining wall construction. C. G. Hastings. No. 1,240,447; Sept. 18; v. 242; p. 614.
- Tunnel and shaft mold-form, Telescopic concrete. H. B. Loxterman. No. 1,228,455; June 5; v. 239; p. 27.
- Tunnel construction. C. G. Hastings. No. 1,240,444; Sept. 18; v. 242; p. 612.
- Tunnel construction. J. F. O'Rourke. No. 1,235,233; July 31; v. 240; p. 1335.
- Tunnel, &c., draining apparatus. J. F. Fritz. No. 1,247,812; Nov. 27; v. 244; p. 888.
- Tunnel-driers, Traveling ceiling-fan for. W. F. Norman. No. 1,221,365; Apr. 3; v. 237; p. 128.
- Tunnel-form. H. B. Loxterman. No. 1,227,281; May 22; v. 238; p. 1213.
- Tunnel-kiln. C. Dressler. No. 1,225,318; May 8; v. 238; p. 470.
- Tunnel-kiln. J. B. Owens. No. 1,246,148; Nov. 13; v. 244; p. 330.
- Tunnel-kiln. J. B. Owens. No. 1,251,273; Dec. 25; v. 245; p. 951.
- Tunnel-mold. H. B. Loxterman. No. 1,234,357; July 24; v. 240; p. 1029.
- Tunnel mold-form. H. B. Loxterman. No. 1,212,523; Jan. 16; v. 234; p. 805.
- Tunnel mold-form. H. B. Loxterman. No. 1,228,454; June 5; v. 239; p. 27.
- Tunnel-shield. C. G. Hastings. No. 1,240,446; Sept. 18; v. 242; p. 613.
- Tunnel-shield. J. C. Meem. No. 1,246,134; Nov. 13; v. 244; p. 326.
- Tunneling. T. M. McAlpine. No. 1,242,217; Oct. 9; v. 243; p. 278.
- Tunneling-machine. J. C. French. No. 1,210,925; Jan. 2; v. 234; p. 189.
- Tunneling-machine. D. A. Robinson. No. 1,212,107; Jan. 9; v. 234; p. 627.
- Tunneling-machine. F. Stolzenburg. No. 1,238,592; Aug. 28; v. 241; p. 1089.
- Tunneling or excavating machine. O. O. App. No. 1,219,419; Mar. 20; v. 236; p. 599.
- Turbine. E. Anderson. No. 1,243,476; Oct. 16; v. 243; p. 705.
- Turbine. E. Anderson. No. 1,243,477; Oct. 16; v. 243; p. 705.
- Turbine. R. Cairns and D. Kusel. No. 1,246,391; Nov. 13; v. 244; p. 404.
- Turbine. C. W. Dake and J. E. Kilker. No. 1,217,282; Feb. 27; v. 235; p. 1111.
- Turbine. F. Hodgkinson. No. 1,243,523; Oct. 16; v. 243; p. 720.
- Turbine. W. J. A. London and R. C. Allen. No. 1,229,490; June 12; v. 239; p. 425.
- Turbine. M. A. Ross. No. 1,251,109; Dec. 25; v. 245; p. 902.
- Turbine. W. G. Ross and O. Onsrud. No. 1,244,247; Oct. 23; v. 243; p. 975.
- Turbine and like rotors, Construction of. C. A. Parsons, A. Q. Carnegie, and S. S. Cook. No. 1,221,087; Apr. 3; v. 237; p. 29.
- Turbine-blades, Tying means for. L. L. Smith. No. 1,245,810; Nov. 6; v. 244; p. 203.
- Turbine, Compound geared. J. C. Shaw. No. 1,235,938; Aug. 7; v. 241; p. 134.
- Turbine, Compound geared. J. C. Shaw. No. 1,235,939; Aug. 7; v. 241; p. 134.
- Turbine-control mechanism. J. N. Bailey. No. 1,212,311; Jan. 16; v. 234; p. 732.
- Turbine-controlling device. S. W. Rushmore. No. 1,212,816; Jan. 16; v. 234; p. 909.
- Turbine-controlling mechanism. J. B. Wilson. No. 1,238,374; Aug. 28; v. 241; p. 1018.
- Turbine diaphragm and nozzle and making the same. J. Y. Dahlstrand. No. 1,246,063; Nov. 13; v. 244; p. 305.
- Turbine, Elastic-fluid. L. C. Loewenstein. No. 1,240,743; Sept. 18; v. 242; p. 703.
- Turbine, Elastic-fluid. L. C. Loewenstein. No. 1,242,005; Oct. 2; v. 243; p. 171.
- Turbine, Elastic-fluid. W. J. A. London. No. 1,223,342; Apr. 17; v. 237; p. 886.
- Turbine, Elastic-fluid. J. A. MacMurchy. No. 1,212,975; Jan. 16; v. 234; p. 965.
- Turbine, Elastic-fluid. R. H. Rice. No. 1,218,468; Mar. 6; v. 236; p. 200.
- Turbine, Elastic-fluid. C. A. Schellens. No. 1,242,246; Oct. 9; v. 243; p. 287.
- Turbine, Elastic-fluid. O. A. Wiberg. No. 1,223,915; Apr. 24; v. 237; p. 1122.
- Turbine-engine. E. Anderson. No. 1,221,500; Apr. 3; v. 237; p. 176.
- Turbine-engine. L. Hachenberg. No. 1,237,639; Aug. 21; v. 241; p. 748.
- Turbine-engine. M. A. Pratt. No. 1,216,162; Feb. 13; v. 235; p. 630.
- Turbine-engine. C. J. Sheldon. No. 1,245,392; Nov. 6; v. 244; p. 74.
- Turbine-engine, Explosive. G. D. Elghmie. No. 1,230,139; June 19; v. 239; p. 677.
- Turbine, Gas-. L. A. Haines. No. 1,219,297; Mar. 13; v. 236; p. 526.
- Turbine, Gas-. L. A. Haines. No. 1,219,298; Mar. 13; v. 236; p. 526.
- Turbine, Gas-. E. Louche. No. 1,250,196; Dec. 18; v. 245; p. 582.
- Turbine, Gas-. F. B. Pfeiffer. No. 1,210,831; Jan. 2; v. 234; p. 155.
- Turbine, Gas-. I. L. Slawter. No. 1,242,057; Oct. 2; v. 243; p. 187.
- Turbine, Gas-. D. L. Taylor. No. 1,251,132; Dec. 25; v. 245; p. 910.
- Turbine-gate mechanism. W. M. White. No. 1,246,200; Nov. 13; v. 244; p. 346.
- Turbine, Hydraulic. C. W. Harris. No. 1,247,830; Nov. 27; v. 244; p. 893.
- Turbine-meter. C. G. De Laval. No. 1,235,559; Aug. 7; v. 241; p. 9.
- Turbine plant, Condensing steam-. K. Baumann. No. 1,246,039; Nov. 13; v. 244; p. 298.
- Turbine, Radial. O. A. Wiberg. (Reissue.) No. 1,43,333; July 24; v. 240; p. 1142.
- Turbine, Radial steam-. O. A. Wiberg. No. 1,223,914; Apr. 24; v. 237; p. 1121.
- Turbine, Spiral-toothed-gear. J. W. Reno. No. 1,234,213; July 24; v. 240; p. 981.
- Turbine, Steam-. G. Belluzzo. No. 1,243,131; Oct. 16; v. 243; p. 602.
- Turbine, Steam-. B. B. Bower. No. 1,218,834; Mar. 13; v. 236; p. 369.
- Turbine, Steam-. C. G. Curtis. No. 1,211,682; Jan. 9; v. 234; p. 480.
- Turbine, Steam-. C. E. Fowler. No. 1,225,424; May 8; v. 238; p. 507.
- Turbine, Steam-. F. Ljungström. (Reissue.) No. 1,43,355; Sept. 11; v. 242; p. 488.
- Turbine, Steam-. J. F. Metten. No. 1,235,992; Aug. 7; v. 241; p. 151.
- Turbine, Steam-. J. L. Moore. No. 1,242,578; Oct. 9; v. 243; p. 394.
- Turbine, Steam-. J. C. Shaw. No. 1,235,936; Aug. 7; v. 241; p. 133.
- Turbine system. J. F. M. Patitz. No. 1,234,687; July 24; v. 240; p. 1133.
- Turbine-wheel. O. A. Wiberg. No. 1,227,986; May 29; v. 238; p. 1481.
- Turbines, Blading for elastic-fluid. H. T. Herr. No. 1,247,400; Nov. 20; v. 244; p. 734.
- Turbines, Bucket-fastening means for. W. F. Dawson. No. 1,248,462; Dec. 4; v. 245; p. 10.
- Turbines, Bucket-fastening means for. R. H. Rice. No. 1,249,203; Dec. 4; v. 245; p. 223.
- Turbines, Reduction-gear for marine steam-. J. F. Metten. No. 1,234,194; July 24; v. 240; p. 976.
- Turbines, Spiral casing for water-. A. Huguenin. No. 1,239,395; Sept. 4; v. 242; p. 215.
- Turbines, System of marine steam-. J. F. Metten. No. 1,235,990; Aug. 7; v. 241; p. 151.
- Turf-edge trimmer. G. Comi. No. 1,237,752; Aug. 21; v. 241; p. 786.
- Turf-ventilator. A. Tyson. No. 1,217,245; Feb. 27; v. 235; p. 1099.
- Turn-button. B. Jahn. No. 1,213,496; Jan. 23; v. 234; p. 1178.
- Turn-button fastener. F. S. Carr. No. 1,223,146; Apr. 17; v. 237; p. 822.
- Turn-table. A. Dellamore. No. 1,249,346; Dec. 11; v. 245; p. 297.
- Turn-table. O. E. Hovey and C. W. Chase. No. 1,246,432; Nov. 13; v. 244; p. 417.
- Turn-table. R. B. Iseman. No. 1,234,033; July 17; v. 240; p. 887.
- Turn-table. H. Vögele and K. Klensch. No. 1,220,031; Mar. 20; v. 236; p. 811.
- Turn-table construction. L. H. Shoemaker. No. 1,246,479; Nov. 13; v. 244; p. 431.
- Turn-table, Pitless. R. Craig. No. 1,237,022; Aug. 14; v. 241; p. 515.
- Turn-table, Tilttable. D. W. Haynes. No. 1,225,030; May 8; v. 238; p. 372.
- Turnbuckle. P. Flood. No. 1,245,095; Oct. 30; v. 243; p. 1270.
- Turnbuckle. A. V. Roe. No. 1,243,225; Oct. 16; v. 243; p. 632.
- Turnbuckle. E. Walker. No. 1,226,830; May 22; v. 238; p. 1060.
- Turning. C. A. Wagner. No. 1,236,633; Aug. 14; v. 241; p. 387.
- Turning and fluting machine. F. B. Merry and J. D. Ware. No. 1,223,597; Apr. 24; v. 237; p. 1009.
- Turning and the like tools, Holder for adjustable. T. O'Gara. No. 1,245,959; Nov. 6; v. 244; p. 246.
- Turnover and pattern-drawing device. W. M. Austin and R. F. Ringle. No. 1,243,030; Oct. 16; v. 243; p. 572.

- Turpentine-cup. L. Lerio. No. 1,211,189; Jan. 2; v. 234; p. 279.
- Turpentine-gatherer. W. H. De Vane. No. 1,249,916; Dec. 11; v. 245; p. 463.
- Turpentine-scraper. J. A. Ham. No. 1,211,441; Jan. 9; v. 234; p. 399.
- Turret-indexing mechanism. B. M. W. Hanson. No. 1,234,019; July 17; v. 240; p. 883.
- Turret tool-post. C. L. Tolles. No. 1,232,999; July 10; v. 240; p. 516.
- Tweezers. J. W. Erringer. No. 1,230,142; June 19; v. 239; p. 678.
- Twin wheel. T. J. Lindsay. No. 1,216,474; Feb. 20; v. 235; p. 791.
- Twine-holder. J. A. Burnham. No. 1,244,418; Oct. 23; v. 243; p. 1026.
- Twine-holder. J. B. Richardson. No. 1,221,593; Apr. 3; v. 237; p. 207.
- Twine-holder. F. N. Trevor. No. 1,245,403; Nov. 6; v. 244; p. 78.
- Twist-drill gage. A. H. Cleaves. No. 1,250,432; Dec. 18; v. 245; p. 653.
- Twister, Textile. J. L. Macfarlane. No. 1,233,593; July 17; v. 240; p. 748.
- Twisting and spinning machines, Mounting of rotary spindles for. B. W. Fjellman. No. 1,246,409; Nov. 13; v. 244; p. 409.
- Twisting apparatus. C. W. Hubbard. No. 1,219,314; Mar. 13; v. 236; p. 532.
- Twisting-machine. G. L. Brownell. No. 1,211,670; Jan. 9; v. 234; p. 476.
- Twisting-machine. W. F. Smith. No. 1,247,462; Nov. 20; v. 244; p. 752.
- Twitch. A. Trivigino. No. 1,243,118; Oct. 16; v. 243; p. 599.
- Twitch. E. Wurmnest. No. 1,214,251; Jan. 30; v. 234; p. 1467.
- Two-cycle engine. E. J. Weber. No. 1,210,742; Jan. 2; v. 234; p. 126.
- Two-cylinder engine. H. Lemp. No. 1,246,121; Nov. 13; v. 244; p. 322.
- Two-sheet stop-feed detector means. M. A. Droitcour. No. 1,218,988; Mar. 13; v. 236; p. 422.
- Twyer. G. D. Golden. No. 1,229,938; June 12; v. 239; p. 574.
- Twyer-block. J. A. O'Neill. No. 1,222,452; Apr. 10; v. 237; p. 540.
- Tying device. G. H. Blakeney. No. 1,246,703; Nov. 13; v. 244; p. 497.
- Tying device. J. E. Caley. No. 1,243,254; Oct. 16; v. 243; p. 639.
- Tying implement. R. D. Roth. No. 1,210,845; Jan. 2; v. 234; p. 160.
- Type-bar action. H. Etheridge. No. 1,212,921; Jan. 16; v. 234; p. 945.
- Type-bar or casting-slug. W. A. Reade. No. 1,241,019; Sept. 25; v. 242; p. 823.
- Type-bar-rebound spring. A. C. Roebuck and A. J. Steinko. No. 1,215,706; Feb. 13; v. 235; p. 467.
- Type-bar segment. A. C. Roebuck. No. 1,217,639; Feb. 27; v. 235; p. 1240.
- Type-bar-tension-adjusting means. E. B. Hess. No. 1,241,214; Sept. 25; v. 242; p. 883.
- Type-bars, Making. W. A. Reade and F. Metcalf. No. 1,232,718; July 10; v. 240; p. 425.
- Type-binder. H. H. Hancock. No. 1,228,019; May 29; v. 238; p. 1491.
- Type-case. L. M. Long. No. 1,243,083; Oct. 16; v. 243; p. 590.
- Type casting and composing machines, Controller means for. W. Nicholas and W. Ackerman. No. 1,237,685; Aug. 21; v. 241; p. 764.
- Type-casting apparatus. C. Vasica. No. 1,216,892; Feb. 20; v. 235; p. 934.
- Type-casting machine. S. A. Bhisey. No. 1,228,524; June 5; v. 239; p. 51.
- Type-casting machine. S. A. Bhisey. No. 1,240,168; Sept. 18; v. 242; p. 524.
- Type-casting machines, Squirt-preventer for. W. Nicholas. No. 1,228,588; June 5; v. 239; p. 73.
- Type, Font of. W. Nicholas. No. 1,237,684; Aug. 21; v. 241; p. 764.
- Type-line-casting machines, Assembler-box elevator for. I. J. Otis. No. 1,247,568; Nov. 20; v. 244; p. 781.
- Type-mold. A. L. Knight. No. 1,219,956; Mar. 20; v. 236; p. 787.
- Type or matrix. D. S. Kennedy. No. 1,221,868; Apr. 10; v. 237; p. 334.
- Type or matrix. G. B. McCarty. No. 1,236,851; Aug. 14; v. 241; p. 459.
- Type or matrix. J. L. Rousseau. No. 1,214,373; Jan. 30; v. 234; p. 1511.
- Type-rack. C. E. Adamson. No. 1,250,121; Dec. 18; v. 245; p. 559.
- Type-setter channel, Compositor's. L. K. Johnson. No. 1,244,094; Oct. 23; v. 243; p. 929.
- Type-setters, Tool for. J. Brandt. No. 1,239,455; Sept. 11; v. 242; p. 264.
- Type-setting and type-casting machines, Delivering type to a galley in. W. Nicholas and W. Ackerman. No. 1,237,686; Aug. 21; v. 241; p. 765.
- Type-supply drum, Rotary. W. Wright. No. 1,226,046; May 15; v. 238; p. 759.
- Type-writer. K. Björkstén. No. 1,215,102; Feb. 6; v. 235; p. 216.
- Type-writer. J. J. Cohen. No. 1,224,141; May 1; v. 238; p. 9.
- Type-writer. S. A. Dean. No. 1,246,561; Nov. 13; v. 244; p. 455.
- Type-writer. S. A. Harrington. No. 1,211,147; Jan. 2; v. 234; p. 263.
- Type-writer. E. Krusius. No. 1,243,954; Oct. 23; v. 243; p. 888.
- Type-writer. E. Krusius. No. 1,243,955; Oct. 23; v. 243; p. 888.
- Type-writer. S. Nielsen. No. 1,246,776; Nov. 13; v. 244; p. 518.
- Type-writer. A. C. Roebuck. No. 1,250,226; Dec. 18; v. 245; p. 591.
- Type-writer. K. Sugimoto. No. 1,245,633; Nov. 6; v. 244; p. 149.
- Type-writer and color attachment for platen-presses. W. R. Dieschbourg. No. 1,249,917; Dec. 11; v. 245; p. 463.
- Type-writer attachment. H. L. Bright. No. 1,245,144; Oct. 30; v. 243; p. 1234.
- Type-writer attachment. A. C. Carson. No. 1,234,728; July 31; v. 240; p. 1181.
- Type-writer attachment. D. A. E. Johnston. No. 1,214,169; Jan. 30; v. 234; p. 1438.
- Type-writer attachment. J. H. La Moÿ. No. 1,248,677; Dec. 4; v. 245; p. 75.
- Type-writer attachment. E. Z. Lewis. No. 1,214,557; Feb. 6; v. 235; p. 26.
- Type-writer attachment. G. E. Mallette. No. 1,235,354; July 31; v. 240; p. 1372.
- Type-writer back-spacing mechanism. A. C. Roebuck and A. J. Pruszyński. No. 1,214,715; Feb. 6; v. 235; p. 83.
- Type-writer carriage-return mechanism. N. L. Anderson. No. 1,226,296; May 15; v. 238; p. 848.
- Type-writer carrier-return. J. B. Dennis. No. 1,249,913; Dec. 11; v. 245; p. 462.
- Type-writer chairs, Adjusting means for the backs of. H. W. Bolens. No. 1,224,263; May 1; v. 238; p. 54.
- Type-writer, Cipher. F. Sedgwick. No. 1,233,715; July 17; v. 240; p. 786.
- Type-writer computing attachment. C. H. Gill. No. 1,228,107; May 29; v. 238; p. 1521.
- Type-writer computing attachment. W. Wright. No. 1,244,397; Oct. 23; v. 243; p. 1020.
- Type-writer computing attachment. W. Wright and G. O. Degener. No. 1,247,198; Nov. 20; v. 244; p. 677.
- Type-writer copy-holder. A. Blum. No. 1,251,329; Dec. 25; v. 245; p. 968.
- Type-writer copy-holder. A. C. Ertner. No. 1,211,833; Jan. 9; v. 234; p. 534.
- Type-writer copy-holder attachment. W. E. Gray. No. 1,244,322; Oct. 23; v. 243; p. 998.
- Type-writer cover. A. L. Claflin. No. 1,235,554; Aug. 7; v. 241; p. 8.
- Type-writer cover. L. Yerger. No. 1,247,057; Nov. 20; v. 244; p. 636.
- Type-writer desk-case. S. Willman. No. 1,246,203; Nov. 13; v. 244; p. 347.
- Type-writer duplicating mechanism. M. O. Anthony. No. 1,247,609; Nov. 27; v. 244; p. 825.
- Type-writer escapement, Noiseless buffer for. N. H. Anderson. No. 1,250,756; Dec. 18; v. 245; p. 749.
- Type-writer key-striker or hand extension. R. W. Babson. No. 1,242,307; Oct. 9; v. 243; p. 307.
- Type-writer keyboard. W. R. Diehl and W. H. Townsend. No. 1,241,201; Sept. 25; v. 242; p. 879.
- Type-writer line-finder. A. C. Roebuck. No. 1,237,819; Aug. 21; v. 241; p. 805.
- Type-writer manifold attachment. L. Rauh. No. 1,214,824; Feb. 6; v. 235; p. 118.
- Type-writer margin-release. A. C. Roebuck. No. 1,222,328; Apr. 10; v. 237; p. 496.
- Type-writer operator, Automatic. L. R. Roberts. No. 1,247,151; Nov. 20; v. 244; p. 664.
- Type-writer paper-holder. M. Aaron. No. 1,247,062; Nov. 20; v. 244; p. 637.
- Type-writer platen. N. H. Anderson. No. 1,235,753; Aug. 7; v. 241; p. 73.
- Type-writer platen. N. H. Anderson. No. 1,235,754; Aug. 7; v. 241; p. 73.
- Type-writer platen. N. H. Anderson. No. 1,235,755; Aug. 7; v. 241; p. 73.
- Type-writer platen. C. W. Barnaby. No. 1,226,626; May 22; v. 238; p. 991.
- Type-writer platen. P. De Clamecy. No. 1,237,307; Aug. 21; v. 241; p. 641.
- Type-writer platen, Noiseless. N. H. Anderson. No. 1,235,756; Aug. 7; v. 241; p. 73.
- Type-writer platen-release mechanism. C. Gabrielson. No. 1,217,436; Feb. 27; v. 235; p. 1166.
- Type-writer ribbon. J. T. Amiss. No. 1,212,166; Jan. 16; v. 234; p. 677.
- Type-writer ribbon-vibrator. A. C. Roebuck. No. 1,222,326; Apr. 10; v. 237; p. 495.
- Type-writer ribbon-vibrator. A. C. Roebuck. No. 1,222,329; Apr. 10; v. 237; p. 496.
- Type-writer stand. O. Petermann. No. 1,247,144; Nov. 20; v. 244; p. 661.
- Type-writer support. C. C. Lapham. No. 1,245,243; Nov. 6; v. 244; p. 31.

Alphabetical list of inventions—Continued.

- Type-writer tabulating mechanism. J. H. Pillings. No. 1,235,158; July 31; v. 240; p. 1312.
- Type-writer, Telegraph. A. D. Cardwell. No. 1,218,165; Mar. 6; v. 236; p. 96.
- Type-writers and adders, Combined key-connecting and ribbon-shifting mechanism for combined. J. A. Smith. No. 1,228,492; June 5; v. 239; p. 40.
- Type-writers, Automatic line-spacing device for. G. E. Callaway. No. 1,233,976; July 17; v. 240; p. 870.
- Type-writers, Automatic operating device for. J. H. Pillings. No. 1,213,688; Jan. 23; v. 234; p. 1244.
- Type-writers, Automatic platen-turner for. N. J. Lloyd. No. 1,236,850; Aug. 14; v. 241; p. 459.
- Type-writers, Carriage control for. N. J. Lloyd. No. 1,241,865; Oct. 2; v. 243; p. 126.
- Type-writers, Concealing-screen for visible. H. R. Knowles. No. 1,240,349; Sept. 18; v. 242; p. 582.
- Type-writers, Copy-holder attachment for. W. E. Gray. No. 1,248,315; Nov. 27; v. 244; p. 1028.
- Type-writers, Copy-holder for. H. E. Hendrix. No. 1,227,436; May 22; v. 238; p. 1262.
- Type-writers, Erasing attachment for. E. H. Thompson. No. 1,232,996; July 10; v. 240; p. 515.
- Type-writers, Extension-leaf for. H. A. Stone. No. 1,239,185; Sept. 4; v. 242; p. 134.
- Type-writers, Folding copy-holder for. C. H. Caldwell. No. 1,236,050; Aug. 7; v. 241; p. 170.
- Type-writers, Frame construction for. G. F. Rose. No. 1,219,159; Mar. 13; v. 236; p. 480.
- Type-writers, Gage for setting paper in. E. B. Hess. No. 1,221,854; Apr. 10; v. 237; p. 328.
- Type-writers, Line-finder for. J. J. Snyder. No. 1,218,709; Mar. 13; v. 236; p. 322.
- Type-writers, Locating-rule for. M. S. Walker. No. 1,215,441; Feb. 13; v. 235; p. 368.
- Type-writers, Paper-gage for. G. H. Hermansen. No. 1,245,916; Nov. 6; v. 244; p. 234.
- Type-writers, Paper-supply attachment for. L. Jensen. No. 1,243,942; Oct. 23; v. 243; p. 884.
- Type-writers, Paper-support and adjustable stop attachment for. W. A. Geller and F. D. Hunt. No. 1,248,102; Nov. 27; v. 244; p. 967.
- Type-writers, Paper unfolding and guiding attachment for. E. D. Bennett. No. 1,247,071; Nov. 20; v. 244; p. 640.
- Type-writers, Platen for. L. J. Harrington. No. 1,230,295; June 19; v. 239; p. 730.
- Type-writers to base-boards, Means for securing. C. Roderick and T. L. Knapp. No. 1,225,057; May 8; v. 238; p. 381.
- Type-writers, Underscroll attachment for. F. Aiton. No. 1,233,741; July 17; v. 240; p. 794.
- Type-writers, Underscroll attachment for. H. F. Wade. No. 1,216,189; Feb. 13; v. 235; p. 639.
- Type-writing and adding machine, Combined. F. A. Hart. No. 1,211,148; Jan. 2; v. 234; p. 264.
- Type-writing and computing machine. J. H. Barr. No. 1,232,755; July 10; v. 240; p. 439.
- Type-writing and computing machine. G. J. Barrett. No. 1,227,236; May 22; v. 238; p. 1200.
- Type-writing and computing machine, Combined. R. M. Becker. No. 1,243,669; Oct. 16; v. 243; p. 764.
- Type-writing and computing machine, Combined. R. M. Becker. No. 1,246,800; Nov. 13; v. 244; p. 526.
- Type-writing and computing machine, Combined. R. M. Becker. No. 1,247,205; Nov. 20; v. 244; p. 679.
- Type-writing and computing machine, Combined. A. W. T. Beyer. No. 1,238,060; Aug. 21; v. 241; p. 882.
- Type-writing and computing machine, Combined. G. O. Degener. No. 1,226,315; May 15; v. 238; p. 854.
- Type-writing and computing machine, Combined. G. O. Degener. No. 1,226,950; May 22; v. 238; p. 1101.
- Type-writing and computing machine, Combined. G. O. Degener. No. 1,246,889; Nov. 20; v. 244; p. 589.
- Type-writing and computing machine, Combined. G. O. Degener. No. 1,247,379; Nov. 20; v. 244; p. 728.
- Type-writing and computing machine, Combined. G. O. Degener. No. 1,247,598; Nov. 20; v. 244; p. 790.
- Type-writing and computing machine, Combined. W. L. Gumprecht. No. 1,237,895; Aug. 21; v. 241; p. 829.
- Type-writing and computing machine, Combined. H. Hanson. No. 1,226,970; May 22; v. 238; p. 1109.
- Type-writing and computing machine, Combined. F. A. Hart. No. 1,213,100; Jan. 16; v. 234; p. 1007.
- Type-writing and computing machine, Combined. F. A. Hart. No. 1,214,491; Jan. 30; v. 234; p. 1549.
- Type-writing and computing machine, Combined. F. A. Hart. No. 1,223,166; Apr. 17; v. 237; p. 829.
- Type-writing and computing machine, Combined. F. A. Hart. No. 1,223,871; Apr. 24; v. 237; p. 1107.
- Type-writing and computing machine, Combined. F. A. Hart. No. 1,226,072; May 15; v. 238; p. 769.
- Type-writing and computing machine, Combined. F. A. Hart. No. 1,231,018; June 26; v. 239; p. 1009.
- Type-writing and computing machine, Combined. F. A. Hart. No. 1,231,523; June 26; v. 239; p. 1176.
- Type-writing and computing machine, Combined. F. A. Hart. No. 1,237,513; Aug. 21; v. 241; p. 708.
- Type-writing and computing machine, Combined. F. A. Hart. No. 1,237,641; Aug. 21; v. 241; p. 749.
- Type-writing and computing machine, Combined. F. A. Hart. No. 1,237,899; Aug. 21; v. 241; p. 831.
- Type-writing and computing machine, Combined. F. A. Hart. No. 1,237,900; Aug. 21; v. 241; p. 831.
- Type-writing and computing machine, Combined. F. A. Hart and B. C. Stickney. No. 1,225,810; May 15; v. 238; p. 679.
- Type-writing and computing machine, Combined. F. F. Main. No. 1,238,065; Aug. 21; v. 241; p. 884.
- Type-writing and computing machine, Combined. C. A. Joerissen. No. 1,246,931; Nov. 20; v. 244; p. 601.
- Type-writing and computing machine, Combined. F. F. Main. No. 1,216,712; Feb. 20; v. 235; p. 873.
- Type-writing and computing machine, Combined. F. F. Main. No. 1,247,304; Nov. 20; v. 244; p. 706.
- Type-writing and computing machine, Combined. R. McNab. No. 1,250,477; Dec. 18; v. 245; p. 666.
- Type-writing and computing machine, Combined. O. W. Olmsted. No. 1,224,314; May 1; v. 238; p. 71.
- Type-writing and computing machine, Combined. H. L. Pitman. No. 1,245,501; Nov. 6; v. 244; p. 107.
- Type-writing and computing machine, Combined. H. H. Steele. No. 1,222,694; Apr. 17; v. 237; p. 667.
- Type-writing and computing machine, Combined. B. C. Stickney. No. 1,214,482; Jan. 30; v. 234; p. 1545.
- Type-writing and computing machine, Combined. B. C. Stickney. No. 1,237,258; Aug. 14; v. 241; p. 588.
- Type-writing and computing machine, Combined. B. C. Stickney. No. 1,237,572; Aug. 21; v. 241; p. 727.
- Type-writing and computing machine, Combined. E. Thomas. No. 1,248,409; Nov. 27; v. 244; p. 1054.
- Type-writing and computing machine, Combined. J. N. Thornton. No. 1,238,055; Aug. 21; v. 241; p. 880.
- Type-writing and computing machine, Combined. W. Wright. No. 1,237,438; Aug. 21; v. 241; p. 685.
- Type-writing and computing machine, Combined. W. Wright. No. 1,243,374; Oct. 16; v. 243; p. 675.
- Type-writing and computing machine, Combined. W. Wright. No. 1,244,398; Oct. 23; v. 243; p. 1020.
- Type-writing and computing machine, Combined. W. Wright. No. 1,244,572; Oct. 30; v. 243; p. 1112.
- Type-writing and computing machine, Combined. W. Wright. No. 1,244,573; Oct. 30; v. 243; p. 1112.
- Type-writing and computing machine, Combined. W. Wright. No. 1,245,300; Nov. 6; v. 244; p. 47.
- Type-writing and computing machine, Combined. W. Wright. No. 1,245,301; Nov. 6; v. 244; p. 48.
- Type-writing and computing machine, Combined. W. Wright. No. 1,246,009; Nov. 6; v. 244; p. 258.
- Type-writing and computing machine, Combined. W. Wright and G. O. Degener. No. 1,237,008; Aug. 14; v. 241; p. 509.
- Type-writing and computing machines, Actuating mechanism for combined. F. A. Hart. No. 1,248,323; Nov. 27; v. 244; p. 1031.
- Type-writing and other machines, Key for. R. S. Graham. No. 1,218,760; Mar. 13; v. 236; p. 341.
- Type-writing and printing machine, Combined. T. De Rooode. No. 1,224,121; Apr. 24; v. 237; p. 1191.
- Type-writing machine. J. F. Allard. No. 1,247,063; Nov. 20; v. 244; p. 638.
- Type-writing machine. N. H. Anderson. No. 1,219,213; Mar. 13; v. 236; p. 498.
- Type-writing machine. N. H. Anderson. No. 1,236,650; Aug. 14; v. 241; p. 393.
- Type-writing machine. W. E. Barnard. No. 1,228,637; June 5; v. 239; p. 89.
- Type-writing machine. E. E. Barney. No. 1,215,761; Feb. 13; v. 235; p. 484.
- Type-writing machine. E. E. Barney. No. 1,230,094; June 19; v. 239; p. 661.
- Type-writing machine. E. E. Barney. No. 1,247,616; Nov. 27; v. 244; p. 827.
- Type-writing machine. E. E. Barney. No. 1,247,920; Nov. 27; v. 244; p. 918.
- Type-writing machine. J. H. Barr. No. 1,215,762; Feb. 13; v. 235; p. 485.
- Type-writing machine. J. H. Barr. No. 1,217,898; Mar. 6; v. 236; p. 4.
- Type-writing machine. J. H. Barr and A. W. Smith. No. 1,250,416; Dec. 18; v. 245; p. 648.
- Type-writing machine. C. J. Bond. No. 1,236,141; Aug. 7; v. 241; p. 196.
- Type-writing machine. M. Branch. No. 1,225,698; May 8; v. 238; p. 598.
- Type-writing machine. A. J. Briggs. No. 1,214,891; Feb. 6; v. 235; p. 142.
- Type-writing machine. A. J. Briggs. No. 1,215,105; Feb. 6; v. 235; p. 217.
- Type-writing machine. A. J. Briggs. No. 1,215,612; Feb. 13; v. 235; p. 432.
- Type-writing machine. A. J. Briggs. No. 1,234,274; July 24; v. 240; p. 1001.
- Type-writing machine. A. J. Briggs. No. 1,239,872; Sept. 11; v. 242; p. 397.
- Type-writing machine. A. J. Briggs. No. 1,242,419; Oct. 9; v. 243; p. 342.
- Type-writing machine. A. J. Briggs. No. 1,247,212; Nov. 20; v. 244; p. 681.
- Type-writing machine. L. D. Broughton. No. 1,249,317; Dec. 11; v. 245; p. 288.
- Type-writing machine. C. H. Brown. No. 1,216,251; Feb. 13; v. 235; p. 660.
- Type-writing machine. L. S. Burrige. No. 1,249,022; Dec. 4; v. 245; p. 172.
- Type-writing machine. F. A. Cook. No. 1,222,736; Apr. 17; v. 237; p. 681.

- Type-writing machine. C. B. Corcoran. No. 1,246,553; Nov. 13; v. 244; p. 453.
- Type-writing machine. C. B. Corcoran. No. 1,247,084; Nov. 20; v. 244; p. 644.
- Type-writing machine. A. S. Dennis. No. 1,226,643; May 22; v. 238; p. 996.
- Type-writing machine. A. S. Dennis. No. 1,239,466; Sept. 11; v. 242; p. 267.
- Type-writing machine. A. S. Dennis. No. 1,246,398; Nov. 13; v. 244; p. 406.
- Type-writing machine. J. C. Doane. No. 1,248,287; Nov. 27; v. 244; p. 1021.
- Type-writing machine. W. A. Dobson. No. 1,247,240; Nov. 20; v. 244; p. 690.
- Type-writing machine. F. A. Dolph. No. 1,232,246; July 3; v. 240; p. 287.
- Type-writing machine. H. E. Ellis and J. W. Wilhelm. No. 1,228,423; June 5; v. 239; p. 16.
- Type-writing machine. S. H. Farnham, A. W. Smith, and J. Phelps. No. 1,217,290; Feb. 27; v. 235; p. 1114.
- Type-writing machine. J. Feibel. No. 1,248,836; Dec. 4; v. 245; p. 122.
- Type-writing machine. H. V. Fengler. No. 1,219,540; Mar. 20; v. 236; p. 641.
- Type-writing machine. H. V. Fengler. No. 1,232,521; July 10; v. 240; p. 361.
- Type-writing machine. H. V. Fengler. No. 1,241,101; Sept. 25; v. 242; p. 848.
- Type-writing machine. H. V. Fengler. No. 1,244,969; Oct. 30; v. 243; p. 1232.
- Type-writing machine. G. J. Fenn. No. 1,231,582; July 3; v. 240; p. 14.
- Type-writing machine. H. A. Foothorap. No. 1,251,361; Dec. 25; v. 245; p. 977.
- Type-writing machine. B. P. Fortin. No. 1,212,756; Jan. 16; v. 234; p. 890.
- Type-writing machine. B. P. Fortin. No. 1,237,319; Aug. 21; v. 241; p. 646.
- Type-writing machine. W. R. Fox. No. 1,214,294; Jan. 30; v. 234; p. 1483.
- Type-writing machine. W. R. Fox. No. 1,247,950; Nov. 27; v. 244; p. 926.
- Type-writing machine. C. T. Frantz (Reissue.) No. 1,407; Dec. 11; v. 245; p. 520.
- Type-writing machine. C. T. Frantz (Reissue.) No. 1,408; Dec. 11; v. 245; p. 524.
- Type-writing machine. C. Gabrielson. No. 1,221,720; Apr. 3; v. 237; p. 249.
- Type-writing machine. D. T. Glackin. No. 1,235,792; Aug. 7; v. 241; p. 85.
- Type-writing machine. G. G. Going. No. 1,242,173; Oct. 9; v. 243; p. 265.
- Type-writing machine. G. G. Going. No. 1,243,730; Oct. 23; v. 243; p. 817.
- Type-writing machine. W. L. Gumprecht. No. 1,227,262; May 22; v. 238; p. 1208.
- Type-writing machine. O. B. Hager. No. 1,245,220; Nov. 6; v. 244; p. 24.
- Type-writing machine. G. F. Handley. No. 1,244,729; Oct. 30; v. 243; p. 1160.
- Type-writing machine. F. A. Hart. No. 1,212,940; Jan. 16; v. 234; p. 951.
- Type-writing machine. F. A. Hart. No. 1,213,189; Jan. 23; v. 234; p. 1071.
- Type-writing machine. F. A. Hart. No. 1,215,306; Feb. 6; v. 235; p. 286.
- Type-writing machine. F. A. Hart. No. 1,215,370; Feb. 13; v. 235; p. 343.
- Type-writing machine. F. A. Hart. No. 1,238,908; Sept. 4; v. 242; p. 60.
- Type-writing machine. F. A. Hart. (Reissue.) No. 1,283; Apr. 10; v. 237; p. 589.
- Type-writing machine. M. W. Hazen. No. 1,247,110; Nov. 20; v. 244; p. 652.
- Type-writing machine. W. F. Helmond. No. 1,214,159; Jan. 30; v. 234; p. 1434.
- Type-writing machine. W. F. Helmond. No. 1,223,279; Apr. 17; v. 237; p. 864.
- Type-writing machine. W. F. Helmond. No. 1,225,331; May 8; v. 238; p. 475.
- Type-writing machine. E. B. Hess. No. 1,227,438; May 22; v. 238; p. 1262.
- Type-writing machine. E. B. Hess and L. C. Myers. No. 1,212,947; Jan. 16; v. 234; p. 953.
- Type-writing machine. R. F. Hoyt. No. 1,238,919; Sept. 4; v. 242; p. 63.
- Type-writing machine. R. F. Hoyt. No. 1,250,883; Dec. 18; v. 245; p. 787.
- Type-writing machine. A. A. Johnson. No. 1,215,307; Feb. 6; v. 235; p. 287.
- Type-writing machine. V. Kadry. No. 1,213,880; Jan. 30; v. 234; p. 1340.
- Type-writing machine. V. Kobler-Stauder. No. 1,245,926; Nov. 6; v. 244; p. 237.
- Type-writing machine. A. G. F. Kurowski. No. 1,214,688; Feb. 6; v. 235; p. 73.
- Type-writing machine. A. G. F. Kurowski. No. 1,218,282; Mar. 6; v. 236; p. 139.
- Type-writing machine. A. G. F. Kurowski. No. 1,220,647; Mar. 27; v. 236; p. 1066.
- Type-writing machine. A. G. F. Kurowski. No. 1,229,180; June 5; v. 239; p. 271.
- Type-writing machine. A. G. F. Kurowski. No. 1,248,346; Nov. 27; v. 244; p. 1037.
- Type-writing machine. A. G. F. Kurowski. No. 1,251,054; Dec. 25; v. 245; p. 887.
- Type-writing machine. E. G. Latta. No. 1,221,875; Apr. 10; v. 237; p. 335.
- Type-writing machine. E. G. Latta. No. 1,222,423; Apr. 10; v. 237; p. 530.
- Type-writing machine. E. G. Latta. No. 1,222,550; Apr. 10; v. 237; p. 575.
- Type-writing machine. E. G. Latta. No. 1,222,551; Apr. 10; v. 237; p. 576.
- Type-writing machine. O. A. Martini. No. 1,227,061; May 22; v. 238; p. 1140.
- Type-writing machine. E. S. Maulsby. No. 1,214,570; Feb. 6; v. 235; p. 30.
- Type-writing machine. J. C. McLaughlin. No. 1,211,203; Jan. 2; v. 234; p. 283.
- Type-writing machine. J. C. McLaughlin. No. 1,211,467; Jan. 9; v. 234; p. 407.
- Type-writing machine. J. C. McLaughlin. No. 1,212,784; Jan. 16; v. 234; p. 899.
- Type-writing machine. J. C. McLaughlin. No. 1,218,287; Mar. 6; v. 236; p. 140.
- Type-writing machine. J. C. McLaughlin. No. 1,250,198; Dec. 18; v. 245; p. 583.
- Type-writing machine. C. P. Mosher. No. 1,222,443; Apr. 10; v. 237; p. 537.
- Type-writing machine. W. Myers. No. 1,246,983; Nov. 20; v. 244; p. 615.
- Type-writing machine. W. J. Neidig. No. 1,218,688; Mar. 13; v. 236; p. 314.
- Type-writing machine. W. N. Onderdonk. No. 1,216,838; Feb. 20; v. 235; p. 916.
- Type-writing machine. O. Petermann. No. 1,215,699; Feb. 13; v. 235; p. 464.
- Type-writing machine. O. Petermann. No. 1,232,837; July 10; v. 240; p. 464.
- Type-writing machine. H. L. Pitman. No. 1,248,420; Nov. 27; v. 244; p. 1057.
- Type-writing machine. C. D. Rice. No. 1,213,018; Jan. 16; v. 234; p. 980.
- Type-writing machine. L. R. Roberts. No. 1,214,371; Jan. 30; v. 234; p. 1510.
- Type-writing machine. L. R. Roberts. No. 1,220,561; Mar. 27; v. 236; p. 1037.
- Type-writing machine. L. R. Roberts. No. 1,220,892; Mar. 27; v. 236; p. 1149.
- Type-writing machine. L. R. Roberts. No. 1,229,183; June 5; v. 239; p. 272.
- Type-writing machine. L. R. Roberts. No. 1,230,517; June 19; v. 239; p. 803.
- Type-writing machine. F. A. Robinson. No. 1,213,416; Jan. 23; v. 234; p. 1151.
- Type-writing machine. F. A. Robinson. No. 1,250,356; Dec. 18; v. 245; p. 630.
- Type-writing machine. J. A. Ruffin. No. 1,242,244; Oct. 9; v. 243; p. 287.
- Type-writing machine. J. E. Schubert. No. 1,220,465; Mar. 27; v. 236; p. 1005.
- Type-writing machine. G. A. Seib. No. 1,215,723; Feb. 13; v. 235; p. 472.
- Type-writing machine. G. A. Seib. No. 1,224,968; May 8; v. 238; p. 351.
- Type-writing machine. G. A. Seib. No. 1,243,451; Oct. 16; v. 243; p. 697.
- Type-writing machine. P. F. Shah. No. 1,247,585; Nov. 20; v. 244; p. 786.
- Type-writing machine. W. G. Sheldon. No. 1,248,936; Dec. 4; v. 245; p. 148.
- Type-writing machine. J. F. Smathers. No. 1,227,846; May 29; v. 238; p. 1432.
- Type-writing machine. A. W. Smith. No. 1,220,467; Mar. 27; v. 236; p. 1006.
- Type-writing machine. A. W. Smith. No. 1,221,236; Apr. 3; v. 237; p. 83.
- Type-writing machine. J. A. B. Smith. No. 1,219,598; Mar. 20; v. 236; p. 661.
- Type-writing machine. J. A. B. Smith. No. 1,227,847; May 29; v. 238; p. 1433.
- Type-writing machine. J. A. B. Smith. No. 1,237,716; Aug. 21; v. 241; p. 775.
- Type-writing machine. J. Sokolov. No. 1,220,283; Mar. 27; v. 236; p. 939.
- Type-writing machine. B. C. Stickney. No. 1,216,623; Feb. 20; v. 235; p. 844.
- Type-writing machine. B. C. Stickney. No. 1,227,015; May 22; v. 238; p. 1125.
- Type-writing machine. B. C. Stickney. No. 1,227,213; May 22; v. 238; p. 1191.
- Type-writing machine. R. J. Thurlow. No. 1,233,936; July 17; v. 240; p. 857.
- Type-writing machine. B. W. Tucker. No. 1,222,497; Apr. 10; v. 237; p. 556.
- Type-writing machine. B. W. Tucker. No. 1,247,348; Nov. 20; v. 244; p. 719.
- Type-writing machine. B. W. Tucker and L. J. Dirand. No. 1,245,585; Nov. 6; v. 244; p. 119.
- Type-writing machine. L. A. Wernery. No. 1,214,733; Feb. 6; v. 235; p. 88.
- Type-writing machine. L. A. Wernery. No. 1,220,148; Mar. 20; v. 236; p. 857.
- Type-writing machine. L. A. Wernery. No. 1,229,559; June 12; v. 239; p. 450.
- Type-writing machine. C. B. Yaw. No. 1,211,653; Jan. 9; v. 234; p. 471.

Alphabetical list of inventions—Continued.

- Type-writing machine. C. B. Yaw. No. 1,221,126; Apr. 3; v. 237; p. 43.
- Type-writing machine. C. B. Yaw. No. 1,234,248; July 24; v. 240; p. 994.
- Type-writing machine. C. B. Yaw. No. 1,237,439; Aug. 21; v. 241; p. 686.
- Type-writing machine. C. B. Yaw. No. 1,250,408; Dec. 18; v. 245; p. 646.
- Type-writing-machine copy-holder. W. E. Gibson. No. 1,217,112; Feb. 20; v. 235; p. 1009.
- Type-writing-machine, &c., copy-holder. F. A. Hart. No. 1,245,909; Nov. 6; v. 244; p. 232.
- Type-writing machine, Front-strike. W. R. Fox. No. 1,214,293; Jan. 30; v. 234; p. 1482.
- Type-writing-machine line-spacing mechanism. J. Alexander. No. 1,227,519; May 22; v. 238; p. 1291.
- Type-writing-machine paper-feeding device. J. P. Burks and C. M. Young. No. 1,229,880; June 12; v. 239; p. 556.
- Type-writing-machine ruling attachment. J. M. Dudley. No. 1,247,514; Nov. 20; v. 244; p. 767.
- Type-writing machines, Card and label holder for. O. Petermann. No. 1,215,324; Feb. 6; v. 235; p. 293.
- Type-writing machines, Card-guide for. W. N. Drew. No. 1,219,269; Mar. 13; v. 236; p. 517.
- Type-writing machines, Card-holder for. C. Gabrielson. No. 1,216,432; Feb. 20; v. 235; p. 777.
- Type-writing machines, Carriage-shift stop for. E. B. Hess. No. 1,211,444; Jan. 9; v. 234; p. 400.
- Type-writing machines, Carriage-shift stop for. L. C. Myers. No. 1,212,989; Jan. 16; v. 234; p. 970.
- Type-writing machines, Desk or cabinet for disappearing. C. de Vleeschouwer and J. Tacoma. No. 1,223,677; Apr. 24; v. 237; p. 1039.
- Type-writing machines, Feeding mechanism for. E. B. and C. B. Wilbur. No. 1,233,532; July 17; v. 240; p. 726.
- Type-writing machines, Implement-holder for. I. H. Mallin. No. 1,229,493; June 12; v. 239; p. 426.
- Type-writing machines, Key-lever construction for. O. Petermann. No. 1,232,836; July 10; v. 240; p. 463.
- Type-writing machines, Label-holder for. O. Petermann. No. 1,215,325; Feb. 6; v. 235; p. 294.
- Type-writing machines, Lateral-spacing attachment for. J. H. Moloney. No. 1,246,638; Nov. 13; v. 244; p. 479.
- Type-writing machines, Line-forming device for. J. E. Simpson. No. 1,225,369; May 8; v. 238; p. 488.
- Type-writing machines, Line-gage for. E. B. Hess. No. 1,213,366; Jan. 23; v. 234; p. 1135.
- Type-writing machines, Line-gage for. E. B. Hess. No. 1,216,567; Feb. 20; v. 235; p. 824.
- Type-writing machines, Line-lock for. J. F. Smathers. No. 1,215,586; Feb. 13; v. 235; p. 423.
- Type-writing machines, Line-spacer for. R. C. Rhea. No. 1,229,521; June 12; v. 239; p. 436.
- Type-writing machines, Machine for testing the adjustment of type of. F. E. Rupp. No. 1,216,611; Feb. 20; v. 235; p. 840.
- Type-writing machines, Paper control for. N. H. Anderson. No. 1,244,011; Oct. 23; v. 243; p. 905.
- Type-writing machines, Paper-fender for. B. A. Shammo. No. 1,216,857; Feb. 20; v. 235; p. 922.
- Type-writing machines, Platen and platen equipment for. H. A. Foothorap. No. 1,228,896; June 5; v. 239; p. 177.
- Type-writing machines, Platen for. W. R. Mulock. No. 1,244,759; Oct. 30; v. 243; p. 1168.
- Type-writing machines, Shift-key mechanism for. E. B. Hess. No. 1,226,770; May 22; v. 238; p. 1040.
- Type-writing machines, Stencil-making device for. L. C. Myers. No. 1,243,857; Oct. 23; v. 243; p. 858.
- Type-writing mechanism, Silent. F. B. Powers. No. 1,234,086; July 17; v. 240; p. 903.
- Type-writing, Protecting. S. M. Bickford. No. 1,244,946; Oct. 30; v. 243; p. 1225.
- Type-writing shield. Touch. W. A. Baumgartner. No. 1,246,221; Nov. 13; v. 244; p. 352.
- Types, Locking means for printing. L. A. Hoskins. No. 1,225,712; May 8; v. 238; p. 602.
- Typograph-matrices, &c., Machine for making. A. H. Hedly. No. 1,237,643; Aug. 21; v. 241; p. 750.
- Typograph mechanism. W. A. Reade. No. 1,218,803; Mar. 13; v. 236; p. 358.
- Typograph mechanism. W. A. Reade. No. 1,226,007; May 15; v. 238; p. 745.
- Typograph mechanism. W. A. Reade and F. Metcalf. No. 1,212,680; Jan. 16; v. 234; p. 864.
- Typographic composing and casting machines, Justifying mechanism for. P. W. Druitt and W. R. Gilpin. No. 1,233,995; July 17; v. 240; p. 876.
- Typographic machines, Channel-entrance for. S. E. Sperry. No. 1,245,055; Oct. 30; v. 243; p. 1257.
- Typographic purposes, Crucible used for. C. Winkler. No. 1,244,935; Oct. 30; v. 243; p. 1222.
- Typographical casting-machine. H. Pearce and J. E. Billington. No. 1,220,782; Mar. 27; v. 236; p. 1111.
- Typographical composing and distributing machine. K. Roger. No. 1,212,561; Jan. 16; v. 234; p. 820.
- Typographical composing and distributing machine. C. Muehleisen. No. 1,221,360; Apr. 3; v. 237; p. 126.
- Typographical composing and distributing machine. C. Muehleisen. No. 1,221,361; Apr. 3; v. 237; p. 127.
- Typographical composing-machine. C. Muehleisen. No. 1,212,542; Jan. 16; v. 234; p. 812.
- Typographical composing-machine, Multiple-magazine. C. Muehleisen. No. 1,222,120; Apr. 10; v. 237; p. 421.
- Typographical composing-machines, Distributing mechanism of. C. Muehleisen. No. 1,214,354; Jan. 30; v. 234; p. 1504.
- Typographical composing-machines, Distributing mechanism of. C. Muehleisen. No. 1,222,018; Apr. 10; v. 237; p. 387.
- Typographical composing-machines, Distributing mechanism of. C. Muehleisen. No. 1,228,228; May 29; v. 238; p. 1558.
- Typographical composing-machines, Distributing mechanism of. C. Muehleisen and C. A. Albrecht. No. 1,222,019; Apr. 10; v. 237; p. 387.
- Typographical composing-machines, Distributing mechanism of. C. Muehleisen and C. A. Albrecht. No. 1,228,229; May 29; v. 238; p. 1558.
- Typographical machine. R. M. Bedell. No. 1,221,819; Apr. 10; v. 237; p. 316.
- Typographical machine. W. E. Bertram and T. S. Homans. No. 1,225,564; May 8; v. 238; p. 553.
- Typographical machine. R. O. Boardman. No. 1,212,444; Jan. 16; v. 234; p. 777.
- Typographical machine. A. W. F. Guest. No. 1,231,879; July 3; v. 240; p. 116.
- Typographical machine. T. S. Homans. No. 1,225,633; May 8; v. 238; p. 576.
- Typographical machine. T. S. Homans. No. 1,237,043; Aug. 14; v. 241; p. 522.
- Typographical machine. D. S. Kennedy. No. 1,212,500; Jan. 16; v. 234; p. 797.
- Typographical machine. D. S. Kennedy. No. 1,218,264; Mar. 6; v. 236; p. 133.
- Typographical machine. D. S. Kennedy. No. 1,231,906; July 3; v. 240; p. 125.
- Typographical machine. D. S. Kennedy. No. 1,231,907; July 3; v. 240; p. 125.
- Typographical machine. D. S. Kennedy. No. 1,231,908; July 3; v. 240; p. 125.
- Typographical machine. D. S. Kennedy. No. 1,234,175; July 24; v. 240; p. 969.
- Typographical machine. D. S. Kennedy. No. 1,246,754; Nov. 13; v. 244; p. 511.
- Typographical machine. D. S. Kennedy. No. 1,246,755; Nov. 13; v. 244; p. 512.
- Typographical machine. G. P. Kingsbury. No. 1,231,912; July 3; v. 240; p. 126.
- Typographical machine. D. Petri-Palmedo. No. 1,249,477; Dec. 11; v. 245; p. 333.
- Typographical machine. W. M. Rapp. No. 1,229,321; June 12; v. 239; p. 368.
- Typographical machine. J. R. Rogers. No. 1,212,562; Jan. 16; v. 234; p. 820.
- Typographical machine. J. R. Rogers. No. 1,231,941; July 3; v. 240; p. 135.
- Typographical machine. A. H. Smith. No. 1,212,411; Jan. 16; v. 234; p. 766.
- Typographical machine. S. E. Sperry. No. 1,229,160; June 5; v. 239; p. 263.
- Typographical machines, Driving mechanism for. D. S. Kennedy. No. 1,231,905; July 3; v. 240; p. 124.
- Typographical machines, Line and space indicating mechanism for. P. H. McGrath. No. 1,229,108; June 5; v. 239; p. 246.
- Typographic machines, Line-clamping mechanism for. D. Petri-Palmedo. No. 1,234,082; July 17; v. 240; p. 902.
- Typographical or line-casting machine. J. W. Graham. No. 1,226,204; May 15; v. 238; p. 812.
- Typographical or line-casting machine. J. W. Graham. No. 1,229,605; June 12; v. 239; p. 465.
- Typographical or slug-casting machine. J. W. Graham. No. 1,220,093; Mar. 20; v. 236; p. 834.
- Typographical or slug-casting machine. J. W. Graham. No. 1,220,094; Mar. 20; v. 236; p. 835.
- Typographical or slug-casting machine. J. W. Graham. No. 1,226,205; May 15; v. 238; p. 812.
- Typographical or slug-casting machine. J. W. Graham. No. 1,235,563; Aug. 7; v. 241; p. 11.
- U-bolt-forming machine. J. M. Smith. No. 1,249,843; Dec. 11; v. 245; p. 441.
- Ultramarine, Manufacture of. L. Bock. No. 1,239,080; Sept. 4; v. 242; p. 115.
- Umbrella. P. Bagley. No. 1,239,757; Sept. 11; v. 242; p. 359.
- Umbrella. A. Briggs. No. 1,250,788; Dec. 18; v. 245; p. 758.
- Umbrella. C. U. Carpenter. No. 1,232,492; July 10; v. 240; p. 352.
- Umbrella. B. E. Cundiff. No. 1,218,526; Mar. 6; v. 236; p. 220.
- Umbrella. G. Flynn. No. 1,213,855; Jan. 30; v. 234; p. 1331.
- Umbrella. D. L. Gabler. No. 1,243,153; Oct. 16; v. 243; p. 609.
- Umbrella. F. W. Howard. No. 1,219,640; Mar. 20; v. 236; p. 676.
- Umbrella. F. W. Howard. No. 1,229,271; June 12; v. 239; p. 351.
- Umbrella. G. Neu, Sr. No. 1,228,810; June 5; v. 239; p. 149.
- Umbrella. S. Schlesinger. No. 1,220,565; Mar. 27; v. 236; p. 1039.

- Umbrella. S. Schlesinger. No. 1,247,159; Nov. 20; v. 244; p. 667.
- Umbrella. O. Shirley. No. 1,233,718; July 17; v. 240; p. 786.
- Umbrella. G. A. Simon. No. 1,217,515; Feb. 27; v. 235; p. 1196.
- Umbrella and cane holder. S. C. Wallace. No. 1,218,020; Mar. 6; v. 236; p. 45.
- Umbrella and similar stand. A. Wanner, Jr. No. 1,235,262; July 31; v. 240; p. 1344.
- Umbrella and tent, Combined. G. W. Barringer. No. 1,219,905; Mar. 20; v. 236; p. 768.
- Umbrella, Foldable. J. H. Cobel. No. 1,217,709; Feb. 27; v. 235; p. 1263.
- Umbrella, Folding. W. H. Beehler. No. 1,233,020; July 10; v. 240; p. 522.
- Umbrella, Folding. A. Block. No. 1,249,007; Dec. 4; v. 245; p. 168.
- Umbrella, Folding. E. S. Blythe. No. 1,223,138; Apr. 17; v. 237; p. 819.
- Umbrella, Folding. A. J. Erickson. No. 1,250,292; Dec. 18; v. 245; p. 610.
- Umbrella, Folding. W. Gildow and M. Schock. No. 1,230,888; June 26; v. 239; p. 964.
- Umbrella, Folding. O. Guglielmon. No. 1,224,533; May 1; v. 238; p. 149.
- Umbrella, Folding. C. A. Hart. No. 1,215,369; Feb. 13; v. 235; p. 342.
- Umbrella, Folding. C. P. Mensen. No. 1,211,610; Jan. 9; v. 234; p. 456.
- Umbrella, Folding. C. O. Youngren. No. 1,240,001; Sept. 11; v. 242; p. 436.
- Umbrella-frames, Making. G. B. Caunon, Jr., and F. W. Howard. No. 1,210,900; Jan. 2; v. 234; p. 180.
- Umbrella-holder. H. A. Bocker. No. 1,231,993; July 3; v. 240; p. 153.
- Umbrella-holder. M. Schuld. No. 1,239,228; Sept. 4; v. 242; p. 163.
- Umbrella name-plate. F. G. Farnham. No. 1,246,077; Nov. 13; v. 244; p. 309.
- Umbrella rack and lock. I. T. Wolfe. No. 1,228,631; June 5; v. 239; p. 87.
- Umbrella-rib-retaining device. W. G. Scheinfug. No. 1,212,114; Jan. 9; v. 234; p. 630.
- Umbrella-runner. C. L. Baker and J. E. Klos. No. 1,240,645; Sept. 18; v. 242; p. 673.
- Umbrella-runner. F. A. Dillingham. No. 1,243,594; Oct. 16; v. 243; p. 740.
- Umbrella-runner. C. A. Hart. No. 1,236,299; Aug. 7; v. 241; p. 247.
- Umbrella-sticks, Folding device for. H. Gautschy. No. 1,226,877; May 22; v. 238; p. 1076.
- Umbrella top-notch. F. A. Dillingham. No. 1,235,296; July 31; v. 240; p. 1354.
- Umbrellas and the like, Marking. W. H. Beehler. No. 1,215,764; Feb. 13; v. 235; p. 485.
- Umbrellas, Identification name-plate for. C. F. Smith. No. 1,220,468; Mar. 27; v. 236; p. 1006.
- Umbrellas, Means for attaching names to. F. G. Farnham. No. 1,243,393; Oct. 16; v. 243; p. 680.
- Uncoupling device. G. C. Murray. No. 1,230,203; June 19; v. 239; p. 699.
- Uncoupling device. W. E. Wine. No. 1,215,458; Feb. 13; v. 235; p. 374.
- Uncoupling device, Centering. J. J. Cooper. No. 1,244,706; Oct. 30; v. 243; p. 1152.
- Uncoupling mechanism. W. McConway, Jr., and W. J. Regan. No. 1,226,092; May 15; v. 238; p. 776.
- Uncoupling mechanism. W. McConway, Jr., and W. J. Regan. No. 1,226,094; May 15; v. 238; p. 776.
- Undercutter. J. R. Andrus. No. 1,221,128; Apr. 3; v. 237; p. 44.
- Undercutter-guide. S. S. Silvis. No. 1,231,211; June 26; v. 239; p. 1075.
- Underframe-reinforcement. A. H. Weston. No. 1,234,987; July 31; v. 240; p. 1262.
- Undergarment. W. Brannan. No. 1,231,482; June 26; v. 239; p. 1164.
- Undergarment. H. A. Carter. No. 1,244,174; Oct. 23; v. 243; p. 952.
- Undergarment. E. W. Decker and M. A. Myers. No. 1,229,905; June 12; v. 239; p. 564.
- Undergarment. P. Gell. No. 1,245,215; Nov. 6; v. 244; p. 22.
- Undergarment. R. R. Janes. No. 1,250,464; Dec. 18; v. 245; p. 662.
- Undergarment. M. K. Pasco. No. 1,246,151; Nov. 13; v. 244; p. 331.
- Undergarment and jock-strap, Combined. H. Zetosch. No. 1,229,850; June 12; v. 239; p. 546.
- Undergarment, Child's. J. L. P. Feinstein. No. 1,225,945; May 15; v. 238; p. 724.
- Undergarment, Child's. D. R. Jones, Jr. No. 1,249,108; Dec. 4; v. 245; p. 196.
- Undergarment, Lady's. F. Chatfield. No. 1,211,917; Jan. 9; v. 234; p. 565.
- Undergarment, Lady's. E. T. Seifert. No. 1,214,084; Jan. 30; v. 234; p. 140.
- Underlays and overlays, Machine for producing. J. Watzelhan. No. 1,247,044; Nov. 20; v. 244; p. 631.
- Underreamer. W. C. Cutler. No. 1,225,701; May 8; v. 238; p. 599.
- Underreamer. W. C. Cutler. No. 1,239,087; Sept. 4; v. 242; p. 117.
- Underreamer. W. L. Dunn. No. 1,217,086; Feb. 20; v. 235; p. 999.
- Underreamer. W. M. Keck. No. 1,225,968; May 15; v. 238; p. 732.
- Underreamer. E. L. Mills. No. 1,221,352; Apr. 3; v. 237; p. 123.
- Underreamer. E. L. Mills. No. 1,221,353; Apr. 3; v. 237; p. 123.
- Underreamer. C. S. Wright. No. 1,242,508; Oct. 9; v. 243; p. 370.
- Underreamer-lugs, Fishing-tool for. W. W. Bess. No. 1,242,129; Oct. 9; v. 243; p. 250.
- Underreaming-bit. H. J. Freon. No. 1,220,739; Mar. 27; v. 236; p. 1098.
- Underwaist. M. Donaldson. No. 1,210,773; Jan. 2; v. 234; p. 135.
- Underwaist. I. B. Johnson. No. 1,235,481; July 31; v. 240; p. 1408.
- Underwear, Closed-crotch. R. R. Janes. No. 1,226,773; May 22; v. 238; p. 1041.
- Underwear, Cutting and making. E. J. Schremp. No. 1,211,766; Jan. 9; v. 234; p. 508.
- Unhairing-machine. L. T. Weiss and A. Chapal. No. 1,217,377; Feb. 27; v. 235; p. 1144.
- Unicycle. R. F. Corneil. No. 1,240,678; Sept. 18; v. 242; p. 683.
- Unicycle. A. E. D'Harlingue. No. 1,228,100; May 29; v. 238; p. 1518.
- Union-suit. N. Hatch. No. 1,213,481; Jan. 23; v. 234; p. 1173.
- Union-suit. N. Hatch. No. 1,213,482; Jan. 23; v. 234; p. 1174.
- Union-suit. J. A. Scriven. No. 1,228,977; June 5; v. 239; p. 203.
- Union-suit. M. S. Strauss. No. 1,251,439; Dec. 25; v. 245; p. 1000.
- Union-suits, Device for use in finishing. E. Axford. No. 1,222,713; Apr. 17; v. 237; p. 673.
- Uniting materials. J. C. Wells. No. 1,230,548; June 19; v. 239; p. 813.
- Units, Segregating. L. S. Robinson. No. 1,223,113; Apr. 17; v. 237; p. 810.
- Universal buck extension. E. Hollowell. No. 1,213,373; Jan. 23; v. 234; p. 1137.
- Universal control-handle. L. B. Sperry. No. 1,239,837; Sept. 11; v. 242; p. 386.
- Universal coupling. H. L. B. Schreck. No. 1,233,612; July 17; v. 240; p. 754.
- Universal joint. W. S. Adams. No. 1,225,303; May 8; v. 238; p. 465.
- Universal joint. W. J. Barker. No. 1,228,166; May 29; v. 238; p. 1538.
- Universal joint. M. E. Blood. No. 1,216,769; Feb. 20; v. 235; p. 893.
- Universal joint. E. C. B., and C. J. Dontje. No. 1,224,286; May 1; v. 238; p. 62.
- Universal joint. S. Douglass. No. 1,222,268; Apr. 10; v. 237; p. 475.
- Universal joint. P. Evans. No. 1,231,722; July 3; v. 240; p. 64.
- Universal joint. A. M. Harrington and R. F. Scott. No. 1,216,445; Feb. 20; v. 235; p. 782.
- Universal joint. R. A. Hartmann. No. 1,232,540; July 10; v. 240; p. 367.
- Universal joint. I. Lehman. No. 1,247,290; Nov. 20; v. 244; p. 703.
- Universal joint. I. Lehman. No. 1,247,291; Nov. 20; v. 244; p. 703.
- Universal joint. W. J. P. Moore. No. 1,232,829; July 10; v. 240; p. 461.
- Universal joint. C. L. Nedoma. No. 1,226,688; May 22; v. 238; p. 1011.
- Universal joint. C. L. Nedoma. No. 1,226,689; May 22; v. 238; p. 1011.
- Universal joint. W. W. Peck. No. 1,232,600; July 10; v. 240; p. 385.
- Universal joint. C. E. Perkins. No. 1,211,484; Jan. 9; v. 234; p. 412.
- Universal joint. H. J. Perkins. No. 1,212,395; Jan. 16; v. 234; p. 760.
- Universal joint. H. J. Perkins. No. 1,250,349; Dec. 18; v. 245; p. 628.
- Universal joint. K. R. Peters. No. 1,245,379; Nov. 6; v. 244; p. 70.
- Universal joint. F. H. Ream. No. 1,225,174; May 8; v. 238; p. 420.
- Universal joint. R. H. Rosenberg. No. 1,223,524; Apr. 24; v. 237; p. 985.
- Universal joint. F. W. Schwinn. No. 1,243,347; Oct. 16; v. 243; p. 668.
- Universal joint. H. E. Spade. No. 1,216,508; Feb. 20; v. 235; p. 803.
- Universal joint. C. W. Sponsel. No. 1,249,545; Dec. 11; v. 245; p. 353.
- Universal joint. C. W. Sponsel. No. 1,249,546; Dec. 11; v. 245; p. 353.
- Universal joint. F. G. Walker. No. 1,221,638; Apr. 3; v. 237; p. 221.
- Universal joint. J. Wittemann. No. 1,219,521; Mar. 20; v. 236; p. 634.
- Universal joint. C. G. Wood. No. 1,237,135; Aug. 14; v. 241; p. 550.
- Universal joint for connecting-rods. E. A. Bearup. No. 1,213,819; Jan. 30; v. 234; p. 1319.

Alphabetical list of inventions—Continued.

- Universal joint for power-shafts. W. E. Williams. No. 1,225,199; May 8; v. 238; p. 428.
- Universal joints, Casing for. M. P. Stoney. No. 1,247,466; Nov. 20; v. 244; p. 753.
- Universal mill. R. B. Kernohan and N. C. Rendleman. No. 1,228,782; June 5; v. 239; p. 139.
- Universal motor. A. M. Harrelson. No. 1,238,290; Aug. 28; v. 241; p. 991.
- Universal motor. B. G. Lamme. No. 1,244,510; Oct. 30; v. 243; p. 1092.
- Universal motor. B. G. Lamme. No. 1,244,511; Oct. 30; v. 243; p. 1093.
- Unloading and distributing materials, Apparatus for. W. A. Lafont. No. 1,222,219; Apr. 10; v. 237; p. 453.
- Unloading apparatus. E. C. Gledhill. No. 1,230,700; June 19; v. 239; p. 864.
- Unloading apparatus. J. B. Seaverns. No. 1,242,249; Oct. 9; v. 243; p. 288.
- Unloading apparatus. W. W. Shanor. No. 1,222,686; Apr. 17; v. 237; p. 664.
- Unloading-machine. P. Murray. No. 1,245,948; Nov. 6; v. 244; p. 243.
- Unloading-platform. E. Kelly. No. 1,243,948; Oct. 23; v. 243; p. 886.
- Unsaturated into saturated compounds, Conversion of. E. B. Higgins. No. 1,211,704; Jan. 9; v. 234; p. 488.
- Upholstered structure and fabric therefor. C. A. Van Derveer. No. 1,213,559; Jan. 23; v. 234; p. 1201.
- Upholstering device. F. P. D'Arcy. No. 1,220,202; Mar. 27; v. 236; p. 910.
- Upholstering former or mold. A. H. Brandel and F. Greer. No. 1,220,393; Mar. 27; v. 236; p. 979.
- Upholstering-machine. C. Hultgren. No. 1,247,403; Nov. 20; v. 244; p. 735.
- Upholstering-press. W. R. Russell. No. 1,230,605; June 19; v. 239; p. 833.
- Upholstering-tool. J. Polkowski. No. 1,222,129; Apr. 10; v. 237; p. 424.
- Upholstery. C. A. Hills. No. 1,218,770; Mar. 13; v. 236; p. 344.
- Upsend wire-line carrier. F. D. Powell. No. 1,213,006; Jan. 16; v. 234; p. 976.
- Uranium compounds, Purifying of. C. L. Parsons. No. 1,224,014; Apr. 24; v. 237; p. 1155.
- Uranium, Preparing oxides of. C. L. Parsons. No. 1,224,013; Apr. 24; v. 237; p. 1155.
- Urea and thiourea compounds. P. Thomaschewski. No. 1,218,656; Mar. 13; v. 236; p. 303.
- Urea, Producing. J. E. Bucher. No. 1,241,919; Oct. 2; v. 243; p. 145.
- Urea, Producing. J. E. Bucher. No. 1,241,920; Oct. 2; v. 243; p. 145.
- Ureids and thioureids. B. Heymann, R. Kothe, O. Dressel, and A. Ossenbeck. No. 1,218,654; Mar. 13; v. 236; p. 302.
- Urinal. M. S. Lawrence. No. 1,228,452; June 5; v. 239; p. 26.
- Urinal. J. Staszak. No. 1,226,716; May 22; v. 238; p. 1020.
- Urn, Coffee. J. T. Pedersen. No. 1,249,818; Dec. 11; v. 245; p. 433.
- Utensil-cover. J. Wass. No. 1,228,150; May 29; v. 238; p. 1533.
- Utensil-handle, Detachable. R. F. Salisbury. No. 1,243,880; Oct. 23; v. 243; p. 866.
- Utensil-holder. A. Bertelsen. No. 1,236,139; Aug. 7; v. 241; p. 195.
- Utensil-lifter. F. A. Brundage. No. 1,222,262; Apr. 10; v. 237; p. 473.
- Utensil, Metal. A. L. Marsh. No. 1,229,770; June 12; v. 239; p. 519.
- Uterine supporter. E. F. Shaulis. No. 1,219,496; Mar. 20; v. 236; p. 625.
- Utility-box. D. S. Amstutz. No. 1,217,384; Feb. 27; v. 235; p. 1147.
- Vaccin for the prevention of hog-cholera and product therefrom, Manufacturing of. M. J. Couret. No. 1,246,059; Nov. 13; v. 244; p. 304.
- Vaccin-point. W. E. Elgin. No. 1,233,998; July 17; v. 240; p. 877.
- Vaccinating device. T. A. Flood. No. 1,212,927; Jan. 16; v. 234; p. 947.
- Vaccinating-table. J. A. and D. D. Dragoo. No. 1,218,381; Mar. 6; v. 236; p. 172.
- Vacuum apparatus. H. Vanderhoof. No. 1,220,297; Mar. 27; v. 236; p. 945.
- Vacuum-cleaner. B. R. Hall. No. 1,216,229; Feb. 13; v. 235; p. 653.
- Vacuum-cleaner. F. C. Mason. No. 1,222,436; Apr. 10; v. 237; p. 535.
- Vacuum-cleaner. H. Meredith-Jones. No. 1,219,756; Mar. 20; v. 236; p. 716.
- Vacuum-cleaner. H. L. Peters. No. 1,217,817; Feb. 27; v. 235; p. 1299.
- Vacuum-cleaner. J. W. Shanahan. No. 1,233,408; July 17; v. 240; p. 685.
- Vacuum-cleaner. R. E. Shanahan. No. 1,233,409; July 17; v. 240; p. 686.
- Vacuum-cleaner. J. W. Shanahan and F. C. Mason. No. 1,222,477; Apr. 10; v. 237; p. 549.
- Vacuum-cleaner. I. L. Shaffer. No. 1,231,077; June 26; v. 239; p. 1030.
- Vacuum-cleaner. H. Small. No. 1,240,155; Sept. 11; v. 242; p. 481.
- Vacuum-cleaner. E. B. Smith. No. 1,235,849; Aug. 7; v. 241; p. 104.
- Vacuum-cleaner. H. H. Taylor and L. A. Moberry. No. 1,211,786; Jan. 9; v. 234; p. 516.
- Vacuum-cleaner. H. C. Tyler. No. 1,218,134; Mar. 6; v. 236; p. 86.
- Vacuum-cleaner. M. S. Wright. No. 1,233,948; July 17; v. 240; p. 861.
- Vacuum-cleaner and blower, Combined. E. L. B. Zimmer. No. 1,234,850; July 31; v. 240; p. 1216.
- Vacuum-cleaner, Hand-controlled. H. Small. No. 1,233,928; July 17; v. 240; p. 854.
- Vacuum-cleaner handle device. A. J. Stecker. No. 1,231,445; June 26; v. 239; p. 1152.
- Vacuum-cleaner or combined vacuum-cleaner and carpet-sweeper. B. J. Bouwmeester. No. 1,231,696; July 3; v. 240; p. 54.
- Vacuum-cleaners, Handle connection for. A. J. Stecker. No. 1,234,578; July 24; v. 240; p. 1100.
- Vacuum-cleaners, Pumping mechanism for. A. J. Faucher. No. 1,212,923; Jan. 16; v. 234; p. 945.
- Vacuum cleaning and force-draft system. F. J. Matchette and R. Raddatz. No. 1,224,481; May 1; v. 238; p. 132.
- Vacuum cleaning and force-draft system. F. J. Matchette and R. Raddatz. No. 1,224,482; May 1; v. 238; p. 132.
- Vacuum cleaning apparatus. J. J. Duffie. No. 1,230,827; June 19; v. 239; p. 904.
- Vacuum cleaning apparatus. J. J. Duffie. No. 1,234,095; July 17; v. 240; p. 906.
- Vacuum cleaning apparatus. W. H. Jakway. (Reissue.) No. 14,246; Jan. 9; v. 234; p. 650.
- Vacuum cleaning device. W. V. Orr. No. 1,210,522; Jan. 2; v. 234; p. 50.
- Vacuum cleaning-machine. J. B. Kirby. No. 1,236,944; Aug. 14; v. 241; p. 489.
- Vacuum-creating and dust-separating machine. B. M. Kent. No. 1,220,641; Mar. 27; v. 236; p. 1065.
- Vacuum discharge-tubes, Anode for. C. F. W. Bates. No. 1,214,500; Feb. 6; v. 235; p. 5.
- Vacuum feed device. O. L. Loughead. No. 1,213,117; Jan. 16; v. 234; p. 1014.
- Vacuum feed system. F. Weinberg. No. 1,229,360; June 12; v. 239; p. 382.
- Vacuum-insulated vessel. F. E. Carlson. No. 1,243,919; Oct. 23; v. 243; p. 878.
- Vacuum lifting-cup. C. L. Smith. No. 1,225,724; May 8; v. 238; p. 606.
- Vacuum-pans, Automatic indicator for. W. E. Murray. No. 1,248,698; Dec. 4; v. 245; p. 80.
- Vacuum power device. H. W. Hamilton. No. 1,219,938; Mar. 20; v. 236; p. 750.
- Vacuum regulation. H. C. Snook and E. W. Kelly. No. 1,247,027; Nov. 20; v. 244; p. 627.
- Vacuum suction device. J. Sorensen. No. 1,221,103; Apr. 3; v. 237; p. 34.
- Vacuum system. W. Scott. No. 1,227,497; May 22; v. 238; p. 1283.
- Vacuum-trap. A. Olson. No. 1,228,128; May 29; v. 238; p. 1527.
- Vacuums, Producing. I. Langmuir. No. 1,237,210; Aug. 14; v. 241; p. 571.
- Vaginal douche. H. Gollomb. No. 1,223,963; Apr. 24; v. 237; p. 1138.
- Vaginal support. D. G. Carey. No. 1,230,112; June 19; v. 239; p. 668.
- Valise, Sleeping or military. J. Row. No. 1,247,882; Nov. 27; v. 244; p. 906.
- Values from bodies, Apparatus for extracting. R. L. Ogden. No. 1,215,182; Feb. 6; v. 235; p. 243.
- Valve. F. P. Angell. No. 1,223,353; Apr. 24; v. 237; p. 923.
- Valve. A. M. Baird and H. D. Palmer. No. 1,211,040; Jan. 2; v. 234; p. 230.
- Valve. J. P. Barker. No. 1,229,571; June 12; v. 239; p. 453.
- Valve. C. L. Bastian. No. 1,236,899; Aug. 14; v. 241; p. 473.
- Valve. J. B. Beam. No. 1,225,002; May 8; v. 238; p. 363.
- Valve. R. W. Blatz and H. B. Hallock. No. 1,235,645; Aug. 7; v. 241; p. 38.
- Valve. M. Block. No. 1,214,267; Jan. 30; v. 234; p. 1473.
- Valve. E. J. Bolt. No. 1,227,574; May 29; v. 238; p. 1338.
- Valve. C. F. Bradburn. No. 1,215,769; Feb. 13; v. 235; p. 487.
- Valve. J. C. Breinl. No. 1,244,286; Oct. 23; v. 243; p. 988.
- Valve. W. Brown and J. B. Meador. No. 1,217,700; Feb. 27; v. 235; p. 1260.
- Valve. H. P. Brunk. No. 1,240,023; Sept. 11; v. 242; p. 443.
- Valve. T. J. Cahill. No. 1,246,541; Nov. 13; v. 244; p. 449.
- Valve. L. S. Chadwick. No. 1,246,879; Nov. 20; v. 244; p. 584.
- Valve. T. B. Crews, Jr. No. 1,210,427; Jan. 2; v. 234; p. 17.
- Valve. D. L. Dowling. No. 1,235,884; Aug. 7; v. 241; p. 116.
- Valve. C. J. Dudley. No. 1,217,579; Feb. 27; v. 235; p. 1217.

- Valve. P. Eckenroth. No. 1,217,725; Feb. 27; v. 235; p. 1268.
- Valve. P. Eckenroth. No. 1,217,726; Feb. 27; v. 235; p. 1268.
- Valve. P. Eckenroth. No. 1,232,421; July 3; v. 240; p. 293.
- Valve. P. Eckenroth. No. 1,232,461; July 3; v. 240; p. 305.
- Valve. R. L. Ellery. (Reissue.) No. 14,412; Dec. 18; v. 245; p. 807.
- Valve. H. C. Farrell. No. 1,234,096; July 17; v. 240; p. 907.
- Valve. E. Fisher. No. 1,216,974; Feb. 20; v. 235; p. 962.
- Valve. L. B. Fulton. No. 1,228,104; May 29; v. 238; p. 1520.
- Valve. F. J. Gagnon. No. 1,239,898; Sept. 11; v. 242; p. 406.
- Valve. J. R. Groom. No. 1,238,664; Aug. 28; v. 241; p. 1111.
- Valve. B. R. Guice. No. 1,217,938; Mar. 6; v. 236; p. 19.
- Valve. C. M. Hanna. No. 1,247,826; Nov. 27; v. 244; p. 892.
- Valve. J. H. Hedmark. No. 1,244,604; Oct. 30; v. 243; p. 1121.
- Valve. W. A. E. Henrici. No. 1,232,425; July 3; v. 240; p. 294.
- Valve. F. J. Herron. No. 1,230,161; June 19; v. 239; p. 684.
- Valve. H. D. Hildebrand. No. 1,229,455; June 12; v. 239; p. 413.
- Valve. H. D. Hildebrand. No. 1,229,456; June 12; v. 239; p. 413.
- Valve. H. D. Hildebrand. No. 1,229,457; June 12; v. 239; p. 414.
- Valve. J. H. Himes. No. 1,221,178; Apr. 3; v. 237; p. 62.
- Valve. J. Huber. No. 1,236,939; Aug. 14; v. 241; p. 488.
- Valve. T. S. Husher. No. 1,234,477; July 24; v. 240; p. 1068.
- Valve. J. Hutchinson. No. 1,250,463; Dec. 18; v. 245; p. 661.
- Valve. J. H. Johnson. No. 1,241,519; Oct. 2; v. 243; p. 15.
- Valve. P. D. Johnson. No. 1,245,352; Nov. 6; v. 244; p. 62.
- Valve. J. D. Jones. No. 1,226,671; May 22; v. 238; p. 1005.
- Valve. J. A. Kean. No. 1,228,565; June 5; v. 239; p. 65.
- Valve. J. A. Keister. No. 1,249,112; Dec. 4; v. 245; p. 197.
- Valve. J. J. Kellher. No. 1,245,735; Nov. 6; v. 244; p. 179.
- Valve. J. E. Keppel. No. 1,212,362; Jan. 16; v. 234; p. 748.
- Valve. J. E. Keppel. No. 1,214,553; Feb. 6; v. 235; p. 25.
- Valve. J. E. Keppel. No. 1,234,907; July 31; v. 240; p. 1236.
- Valve. J. R. Kinney. No. 1,234,181; July 24; v. 240; p. 971.
- Valve. J. F. Kytlica. No. 1,235,816; Aug. 7; v. 241; p. 94.
- Valve. J. J. Lane. No. 1,225,974; May 15; v. 238; p. 734.
- Valve. J. P. Lavigne. No. 1,224,090; Apr. 24; v. 237; p. 1180.
- Valve. H. Lemp. No. 1,235,338; July 31; v. 240; p. 1367.
- Valve. J. Lines. No. 1,226,608; May 15; v. 238; p. 945.
- Valve. A. Littmann. No. 1,250,601; Dec. 18; v. 245; p. 704.
- Valve. J. C. F. Long and C. F. Bunke. No. 1,218,877; Mar. 13; v. 236; p. 385.
- Valve. E. B. Lorenzen and H. M. Artz. No. 1,211,195; Jan. 2; v. 234; p. 281.
- Valve. J. A. Lucas. No. 1,237,922; Aug. 21; v. 241; p. 837.
- Valve. W. A. Marks, F. Smead, and J. E. Marks. No. 1,232,949; July 10; v. 240; p. 501.
- Valve. W. C. Marsh. No. 1,223,326; Apr. 17; v. 237; p. 880.
- Valve. W. C. Marsh. No. 1,223,327; Apr. 17; v. 237; p. 880.
- Valve. A. M. Matheson. No. 1,230,499; June 19; v. 239; p. 796.
- Valve. J. S. Maxwell. No. 1,238,040; Aug. 21; v. 241; p. 876.
- Valve. R. G. McDowell. No. 1,240,586; Sept. 18; v. 242; p. 655.
- Valve. J. J. McIntyre. No. 1,247,696; Nov. 27; v. 244; p. 852.
- Valve. H. L. Miller and N. P. Nielsen. No. 1,229,772; June 12; v. 239; p. 520.
- Valve. F. Mitchell. No. 1,244,630; Oct. 30; v. 243; p. 1129.
- Valve. A. E. Mueller. No. 1,228,469; June 5; v. 239; p. 32.
- Valve. T. E. Murray. No. 1,225,479; May 8; v. 238; p. 524.
- Valve. T. E. Murray. No. 1,235,150; July 31; v. 240; p. 1310.
- Valve. G. M. Patrick. No. 1,250,639; Dec. 18; v. 245; p. 714.
- Valve. M. J. Payne. No. 1,223,901; Apr. 24; v. 237; p. 1118.
- Valve. B. S. Price. No. 1,211,876; Jan. 9; v. 234; p. 549.
- Valve. W. W. Riddell. No. 1,240,879; Sept. 25; v. 242; p. 779.
- Valve. E. E. Rose. No. 1,215,580; Feb. 13; v. 235; p. 421.
- Valve. E. E. Rose. No. 1,223,736; Apr. 24; v. 237; p. 1059.
- Valve. A. Rosner. No. 1,246,787; Nov. 13; v. 244; p. 522.
- Valve. L. L. Russell. No. 1,232,849; July 10; v. 240; p. 467.
- Valve. A. O. Rutz. No. 1,227,078; May 22; v. 238; p. 1146.
- Valve. C. E. Scheer. No. 1,249,837; Dec. 11; v. 245; p. 439.
- Valve. F. H. Schuler. No. 1,236,216; Aug. 7; v. 241; p. 222.
- Valve. M. C. Schweinert. No. 1,210,707; Jan. 2; v. 234; p. 115.
- Valve. M. R. Smith. No. 1,249,225; Dec. 4; v. 245; p. 231.
- Valve. E. H. Snyder. No. 1,250,041; Dec. 11; v. 245; p. 496.
- Valve. I. H. Spencer. No. 1,251,453; Dec. 25; v. 245; p. 1004.
- Valve. W. E. Spencer. No. 1,237,719; Aug. 21; v. 241; p. 776.
- Valve. J. B. and S. S. Stewardson. No. 1,242,734; Oct. 9; v. 243; p. 443.
- Valve. W. F. Tracy. No. 1,246,187; Nov. 13; v. 244; p. 342.
- Valve. J. A. Vaeth. No. 1,233,262; July 10; v. 240; p. 600.
- Valve. J. Q. Walton. No. 1,218,498; Mar. 6; v. 236; p. 210.
- Valve. W. A. Warman. No. 1,231,822; July 3; v. 240; p. 97.
- Valve. N. W. Whitbeck. No. 1,226,040; May 15; v. 238; p. 757.
- Valve. W. Wickert, Jr. No. 1,216,528; Feb. 20; v. 235; p. 810.
- Valve. W. A. Wiley. No. 1,247,048; Nov. 20; v. 244; p. 633.
- Valve. D. L. Winters. No. 1,243,122; Oct. 16; v. 243; p. 600.
- Valve-actuating mechanism. O. M. Nacker. No. 1,222,194; Apr. 10; v. 237; p. 448.
- Valve-actuating mechanism. J. A. Whitton. No. 1,238,608; Aug. 28; v. 241; p. 1094.
- Valve, Air-. H. B. Ashelman and J. S. Johnson. No. 1,229,860; June 12; v. 239; p. 550.
- Valve, Air-. W. R. Hose. No. 1,226,664; May 22; v. 238; p. 1003.
- Valve, Air-regulating. H. M. Fuller. No. 1,247,951; Nov. 27; v. 244; p. 927.
- Valve and fitting for heating systems. Steam. E. H. Murphy. No. 1,216,348; Feb. 20; v. 235; p. 746.
- Valve and hose connection. Combined Y-. F. Milliken. No. 1,230,007; June 12; v. 239; p. 595.
- Valve and humidifier. Automatic radiator-. C. C. Shipp. No. 1,212,574; Jan. 16; v. 234; p. 824.
- Valve and pressure-regulator. Automatic cut-off. J. L. Thompson and H. A. Murray. No. 1,234,420; July 24; v. 240; p. 1050.
- Valve and seat. Cushion. R. C. Witmer. No. 1,218,030; Mar. 6; v. 236; p. 49.
- Valve and signal. Adjustable automatic cut-off. G. M. Bacon. No. 1,230,981; June 26; v. 239; p. 997.
- Valve and signal. Dry-pipe. W. Humphrey. No. 1,211,709; Jan. 9; v. 234; p. 489.
- Valve and switch-lock. Combined fuel-. G. Burkhardt. No. 1,230,108; June 19; v. 239; p. 667.
- Valve and the like. W. Matthewman. No. 1,222,316; Apr. 10; v. 237; p. 491.
- Valve and trap. Air-. B. C. Williams. No. 1,226,291; May 15; v. 238; p. 847.
- Valve and trimmer. Combined check and globe. J. B. Mowry. No. 1,244,758; Oct. 30; v. 243; p. 1168.
- Valve and valve-gear for elastic-fluid turbines. H. J. Hanzlik. No. 1,227,612; May 29; v. 238; p. 1351.
- Valve and valve-gear of internal-combustion engines. J. C. McIntosh. No. 1,211,201; Jan. 2; v. 234; p. 282.
- Valve and valve-gear. Steam-engine. W. C. Coan. No. 1,222,266; Apr. 10; v. 237; p. 474.
- Valve, Angle-cock. R. A. Caldwell. No. 1,216,068; Feb. 13; v. 235; p. 596.
- Valve apparatus. F. H. Armstrong. No. 1,214,496; Feb. 6; v. 235; p. 4.
- Valve-assembly remover. C. L. Bean. No. 1,212,003; Jan. 9; v. 234; p. 595.
- Valve attachment. T. C. Luce. No. 1,240,230; Sept. 18; v. 242; p. 546.
- Valve attachment, Air-. J. Ruzicka and D. L. Grantham. No. 1,236,111; Aug. 7; v. 241; p. 187.
- Valve, Automatic. H. C. and S. Gustafson. No. 1,248,650; Dec. 4; v. 245; p. 66.
- Valve, Automatic. W. J. Haynes. No. 1,213,870; Jan. 30; v. 234; p. 1336.
- Valve, Automatic. W. J. Kennedy. No. 1,217,955; Mar. 6; v. 236; p. 24.

Alphabetical list of inventions—Continued.

- Valve, Automatic. E. E. Slick. No. 1,248,026; Nov. 27; v. 244; p. 946.
- Valve, Automatic adjustable feeder-. R. E. Hard. No. 1,214,457; Jan. 30; v. 234; p. 1537.
- Valve, Automatic atmosphere-. H. Schwanebeck. No. 1,224,221; May 1; v. 238; p. 38.
- Valve, Automatic carburation-. C. E. Laetzer. No. 1,242,706; Oct. 9; v. 243; p. 435.
- Valve, Automatic cut-off. S. C. Carr. No. 1,247,638; Nov. 27; v. 244; p. 834.
- Valve, Automatic drain-. J. D. Lalor. No. 1,211,599; Jan. 9; v. 234; p. 452.
- Valve, Automatic drain-. C. W. Newcombe. No. 1,226,796; May 22; v. 238; p. 1049.
- Valve, Automatic drain-. C. W. Newcombe. No. 1,236,745; Aug. 14; v. 241; p. 426.
- Valve, Automatic gas-shut-off. G. C. Kail. No. 1,218,089; Mar. 6; v. 236; p. 70.
- Valve, automatic limited-pressure valve, and full-pressure supply-valve, Combined stop-. T. B. Ford. No. 1,216,976; Feb. 20; v. 235; p. 963.
- Valve, Automatic pressure-limiting. O. E. Oleson. No. 1,228,593; June 5; v. 239; p. 74.
- Valve, Automatic relief-. E. A. Ploeger and J. Penrose. No. 1,242,888; Oct. 9; v. 243; p. 492.
- Valve, Automatic trough-. F. Striegler. No. 1,245,525; Nov. 6; v. 244; p. 116.
- Valve, Automatic water-. W. A. Souers. No. 1,213,033; Jan. 16; v. 234; p. 985.
- Valve, Automatic water-. H. E. Stevenson. No. 1,237,725; Aug. 21; v. 241; p. 777.
- Valve, Automatic water-heater. H. C. Maul. No. 1,213,229; Jan. 23; v. 234; p. 1085.
- Valve, Automatically-locking shut-off. J. R. Hamilton. No. 1,222,397; Apr. 10; v. 237; p. 520.
- Valve, Auxiliary air-. T. Cuff. No. 1,235,189; July 31; v. 240; p. 1322.
- Valve, Auxiliary air-. H. Heller. No. 1,235,800; Aug. 7; v. 241; p. 88.
- Valve, Auxiliary air-. H. C. Meyer. No. 1,220,872; Mar. 27; v. 236; p. 1143.
- Valve, Auxiliary air-. J. J. B. Mulderig. No. 1,242,839; Oct. 9; v. 243; p. 476.
- Valve, Back-water sewer-. G. L. Mullane and A. C. Ekman. No. 1,233,391; July 17; v. 240; p. 679.
- Valve, Bailing-. F. A. Lizarraga. No. 1,241,408; Sept. 25; v. 242; p. 945.
- Valve, Balance-. W. C. Webster. No. 1,237,980; Aug. 21; v. 241; p. 856.
- Valve, Balance-. W. C. Webster. No. 1,237,981; Aug. 21; v. 241; p. 857.
- Valve-ball. F. T. Roberts. No. 1,231,530; June 26; v. 239; p. 1178.
- Valve, Basin waste-. C. H. Frickie. No. 1,246,737; Nov. 13; v. 244; p. 507.
- Valve, Blow-off. N. N. Boyden. No. 1,214,645; Feb. 6; v. 235; p. 57.
- Valve, Blow-off. R. T. Campbell. No. 1,238,259; Aug. 28; v. 241; p. 981.
- Valve, Blow-off. A. H. Johnson. No. 1,238,779; Sept. 4; v. 242; p. 18.
- Valve, Blow-off. A. J. Monfee. No. 1,222,972; Apr. 17; v. 237; p. 761.
- Valve, Bottle-. G. Jackson. No. 1,220,749; Mar. 27; v. 236; p. 1101.
- Valve-box. J. Q. Parker. No. 1,217,814; Feb. 27; v. 235; p. 1298.
- Valve, Butterfly-. W. R. Lohse. No. 1,213,513; Jan. 23; v. 234; p. 1184.
- Valve, By-pass. D. P. Gosline. No. 1,233,340; July 17; v. 240; p. 660.
- Valve, By-pass. A. O. Rutz. No. 1,242,245; Oct. 9; v. 243; p. 287.
- Valve, Carbureter-. G. H. Taber. No. 1,225,076; May 8; v. 238; p. 387.
- Valve-changing device. A. Broadmeyer. No. 1,231,483; June 26; v. 239; p. 1164.
- Valve, Check-. C. C. Butler. No. 1,227,883; May 29; v. 238; p. 1444.
- Valve, Check-. C. G. De Laval. No. 1,235,558; Aug. 7; v. 241; p. 9.
- Valve, Check-. G. E. Nickol. No. 1,236,596; Aug. 14; v. 241; p. 374.
- Valve, Check-. D. E. Norris. No. 1,219,848; Mar. 20; v. 236; p. 748.
- Valve, Check-. H. T. Raub. No. 1,238,334; Aug. 28; v. 241; p. 1006.
- Valve, Check-. M. Smolensky. No. 1,222,154; Apr. 10; v. 237; p. 435.
- Valve, Closet-. H. Gardenier. No. 1,218,251; Mar. 6; v. 236; p. 128.
- Valve, Combination-. M. M. Liff and W. R. Hon. No. 1,237,795; Aug. 21; v. 241; p. 798.
- Valve, Combined discharge and vacuum. R. U. Chadwick. No. 1,229,865; June 12; v. 239; p. 557.
- Valve, Combined faucet and relief-. E. S. Stack. No. 1,249,233; Dec. 4; v. 245; p. 233.
- Valve, Combined pressure and vacuum relief. F. M. Timpson and A. O. Robertson. No. 1,213,710; Jan. 23; v. 234; p. 1251.
- Valve, Combined pressure reducing and relief. T. D. Millea. No. 1,242,713; Oct. 9; v. 243; p. 436.
- Valve, Combustion-engine. G. Fornaca. No. 1,251,003; Dec. 25; v. 245; p. 873.
- Valve connection, Governor-. E. D. Spicer. No. 1,232,728; July 10; v. 240; p. 428.
- Valve construction. T. Douglas. No. 1,221,702; Apr. 3; v. 237; p. 243.
- Valve construction. B. G. Kramer. No. 1,213,111; Jan. 16; v. 234; p. 1012.
- Valve construction. H. A. Twigg and G. Anderson. No. 1,233,937; July 17; v. 240; p. 857.
- Valve, Control-. J. Dzialkiewicz. No. 1,233,654; July 17; v. 240; p. 767.
- Valve control, Combination. H. A. Leach. No. 1,248,683; Dec. 4; v. 245; p. 75.
- Valve control, Intake. J. W. Neal. No. 1,220,530; Mar. 27; v. 236; p. 1026.
- Valve-control mechanism for internal-combustion engines. C. A. Stickney. No. 1,214,839; Feb. 6; v. 235; p. 123.
- Valve-control mechanism, Throttle. O. W. Young. No. 1,249,877; Dec. 11; v. 245; p. 451.
- Valve, Controlling-. W. J. Burke. No. 1,220,823; Mar. 27; v. 236; p. 1127.
- Valve-controlling mechanism. H. L. Riefner. No. 1,231,650; July 3; v. 240; p. 37.
- Valve cut-off. D. H. Brazil. No. 1,235,104; July 31; v. 240; p. 1296.
- Valve device for air-brakes, Trip-. W. V. Turner. No. 1,218,721; Mar. 13; v. 236; p. 326.
- Valve device for distributing liquid under pressure, Automatic. E. L. Kellan. No. 1,218,567; Mar. 6; v. 236; p. 234.
- Valve device for hot-water heating systems, Combined. G. L. Bottum. No. 1,213,831; Jan. 30; v. 234; p. 1323.
- Valve device, Lock-. C. Berthold. No. 1,244,691; Oct. 30; v. 243; p. 1147.
- Valve, Discharge-. G. S. Binckley. No. 1,243,134; Oct. 16; v. 243; p. 603.
- Valve, Discharge-. N. D. Hull. No. 1,224,546; May 1; v. 238; p. 155.
- Valve, Disk. T. D. Key. No. 1,239,015; Sept. 4; v. 242; p. 95.
- Valve, Dispensing-. G. W. Haley and J. T. Brown. No. 1,231,733; July 3; v. 240; p. 67.
- Valve distribution, Operating cam-shaft for. A. Morin. No. 1,248,434; Nov. 27; v. 244; p. 1061.
- Valve, Double-acting. T. A. Crompton, Jr. No. 1,240,682; Sept. 18; v. 242; p. 685.
- Valve, Double check-. H. H. Prescott and E. H. Considine. No. 1,240,254; Sept. 18; v. 242; p. 553.
- Valve, Drain-. R. O. Dohm. No. 1,239,574; Sept. 11; v. 242; p. 301.
- Valve, Drain-. C. W. Newcombe. No. 1,239,617; Sept. 11; v. 242; p. 314.
- Valve, Drain-. L. N. Vincent. No. 1,227,096; May 22; v. 238; p. 1153.
- Valve, Drain and relief. N. W. Barker. No. 1,225,744; May 15; v. 238; p. 657.
- Valve-dressing tool. J. J. Benedick. No. 1,233,302; July 17; v. 240; p. 649.
- Valve-dressing tool. J. L. Bradfield. No. 1,235,959; Aug. 7; v. 241; p. 141.
- Valve, Drifting-. W. J. Schlacks. No. 1,246,946; Nov. 20; v. 244; p. 604.
- Valve, Dry-pipe. F. Evans. No. 1,226,488; May 15; v. 238; p. 908.
- Valve, Dry-pipe. P. Evans. No. 1,226,489; May 15; v. 238; p. 908.
- Valve, Dry-pipe. P. Flamand. No. 1,231,515; June 26; v. 239; p. 1173.
- Valve, Dry-pipe. R. Grinnell. No. 1,241,209; Sept. 25; v. 242; p. 882.
- Valve, Elastic puppet-. P. M. Moore. No. 1,238,175; Aug. 28; v. 241; p. 954.
- Valve, Electrical. H. Lewis. No. 1,242,003; Oct. 2; v. 243; p. 170.
- Valve, Electrical. W. D. Ralphs. No. 1,243,219; Oct. 16; v. 243; p. 630.
- Valve, Electrically-heated. C. J. Hinshaw and R. L. Gable. No. 1,240,449; Sept. 18; v. 242; p. 614.
- Valve, Electromagnetic. L. Cinq-Mars. No. 1,216,658; Feb. 20; v. 235; p. 855.
- Valve, Engine-. S. I. Fekete. No. 1,210,621; Jan. 2; v. 234; p. 84.
- Valve, Engine-. P. O. Troutman. No. 1,220,291; Mar. 27; v. 236; p. 943.
- Valve, Engine drifting-. V. P. McVoy. No. 1,229,993; June 12; v. 239; p. 590.
- Valve, Engineer's. J. R. Snyder. No. 1,231,082; June 26; v. 239; p. 1031.
- Valve, Engineer's brake-. J. P. Gault. No. 1,239,585; Sept. 11; v. 242; p. 304.
- Valve, Expansion-. G. Clark. No. 1,218,745; Mar. 13; v. 236; p. 336.
- Valve, Explosion-engine. J. A. Brown. No. 1,213,582; Jan. 23; v. 234; p. 1209.
- Valve-face, Self-lubricating. L. S. Bache. No. 1,234,715; July 31; v. 240; p. 1177.
- Valve-facing device. O. Sass. No. 1,217,836; Feb. 27; v. 235; p. 1306.
- Valve, Feed-controlling float-. M. Leitch. No. 1,219,567; Mar. 20; v. 236; p. 652.
- Valve, Filling-. L. S. Evans. No. 1,240,431; Sept. 18; v. 242; p. 608.

- Valve, Float-. W. E. Burt. No. 1,210,596; Jan. 2; v. 234; p. 75.
- Valve, Float-. F. J. Clifford. No. 1,247,643; Nov. 27; v. 244; p. 835.
- Valve, Float-. A. B. Schier. No. 1,230,929; June 26; v. 239; p. 977.
- Valve, Float-. T. Stebbins. No. 1,226,139; May 15; v. 238; p. 790.
- Valve, Fluid-charging. R. Herman. No. 1,215,151; Feb. 6; v. 235; p. 233.
- Valve, Fluid-pressure. J. and A. Graham. No. 1,217,747; Feb. 27; v. 235; p. 1275.
- Valve, Fluid-pressure-regulating. C. L. Bastian. No. 1,217,901; Mar. 6; v. 236; p. 5.
- Valve, Fluid safety-. A. L. Smyly. No. 1,243,998; Oct. 23; v. 243; p. 900.
- Valve, Flush-. E. C. Ahlheim. No. 1,248,777; Dec. 4; v. 245; p. 103.
- Valve, Flush-. B. H. Mossinghoff. No. 1,233,595; July 17; v. 240; p. 748.
- Valve, Flush-. C. G. Plumb. No. 1,219,483; Mar. 20; v. 236; p. 620.
- Valve, Flush-. R. W. Schier. No. 1,231,795; July 3; v. 240; p. 87.
- Valve, Flush-. R. W. and A. B. Schier. No. 1,232,852; July 10; v. 240; p. 468.
- Valve, Flush-. W. H. Schulte. No. 1,225,278; May 8; v. 238; p. 454.
- Valve, Flush-. L. D. West and A. I. Carnine. No. 1,231,828; July 3; v. 240; p. 99.
- Valve, Flushing-. A. Feleki. No. 1,214,664; Feb. 6; v. 235; p. 64.
- Valve, Flushing-. J. Husa. No. 1,248,331; Nov. 27; v. 244; p. 1033.
- Valve, Flushing-. R. M. Keating. No. 1,220,856; Mar. 27; v. 236; p. 1138.
- Valve, Flushing-. R. M. Keating. No. 1,242,200; Oct. 9; v. 243; p. 273.
- Valve, Flushing-. D. A. McConnell and R. Wandras. No. 1,217,792; Feb. 27; v. 235; p. 1291.
- Valve, Flushing-. F. H. Meiners. No. 1,218,793; Mar. 13; v. 236; p. 353.
- Valve, Flushing-. F. H. Meiners. No. 1,238,425; Aug. 28; v. 241; p. 1035.
- Valve, Flushing-. G. H. Russell. No. 1,221,223; Apr. 3; v. 237; p. 79.
- Valve, Flushing-. F. L. White. No. 1,230,634; June 19; v. 239; p. 842.
- Valve, Flushing-tank. R. Hodgson. No. 1,223,170; Apr. 17; v. 237; p. 830.
- Valve, Flushing-tank. W. J. Koenig. No. 1,245,738; Nov. 6; v. 244; p. 180.
- Valve, Foot or check. M. J. Quinn. No. 1,211,877; Jan. 9; v. 234; p. 550.
- Valve for air-brake systems. E. P. Blackley. No. 1,218,362; Mar. 6; v. 236; p. 166.
- Valve for air-compressors. G. M. Richards. No. 1,251,420; Dec. 25; v. 245; p. 994.
- Valve for automatic sprinkler systems, Dry. J. R. Hamilton. No. 1,241,847; Oct. 2; v. 243; p. 121.
- Valve for combustion-engines. E. A. Riotte. No. 1,245,511; Nov. 6; v. 244; p. 112.
- Valve for combustion-engines, Exhaust-. H. C. Lindemann. No. 1,235,344; July 31; v. 240; p. 1369.
- Valve for compressor systems, Relief-. A. O. Highbotham. No. 1,212,951; Jan. 16; v. 234; p. 955.
- Valve for compressors. C. H. Leinert. No. 1,240,461; Sept. 18; v. 242; p. 618.
- Valve for compressors and pumps. A. E. Peters. No. 1,222,821; Apr. 10; v. 237; p. 493.
- Valve for compressors, Unloading-. G. F. Steedman. No. 1,215,071; Feb. 6; v. 235; p. 207.
- Valve for containers. M. J. Payne. No. 1,247,713; Nov. 27; v. 244; p. 858.
- Valve for drainage systems, Automatic. J. A. Harman. No. 1,232,030; July 3; v. 240; p. 167.
- Valve for engine intake-manifolds, Automatic air-. J. A. Silsbee. No. 1,210,991; Jan. 2; v. 234; p. 212.
- Valve for engine-mufflers, Exhaust-. J. Barraja-Frauenfelder. No. 1,233,291; July 10; v. 240; p. 609.
- Valve for engines. R. W. Mewes. No. 1,227,479; May 22; v. 238; p. 1277.
- Valve for engines, Rotary. W. W. Vance. No. 1,228,502; June 5; v. 239; p. 44.
- Valve for explosion-engines, Drifting-. W. Kemp. No. 1,215,381; Feb. 13; v. 235; p. 847.
- Valve for explosive-engines. G. W. Hawley. No. 1,235,029; July 31; v. 240; p. 1274.
- Valve for explosive-engines, Balanced exhaust-. O. O. and G. Storie. No. 1,218,487; Mar. 6; v. 236; p. 206.
- Valve for filling bottles. C. S. Adams. No. 1,239,068; Sept. 4; v. 242; p. 111.
- Valve for flush-tanks, Inlet-. L. B. Powers. No. 1,241,656; Oct. 2; v. 243; p. 60.
- Valve for flushing systems. H. L. Kelly. No. 1,231,378; June 26; v. 239; p. 1130.
- Valve for gas-burners, Automatic shut-off. E. C. Davis. No. 1,250,984; Dec. 25; v. 245; p. 867.
- Valve for gas-engines. K. Schmitz. No. 1,236,488; Aug. 14; v. 241; p. 340.
- Valve for gas-engines. W. J. Sheaffer. No. 1,229,336; June 12; v. 239; p. 374.
- Valve for gas-engines, Auxiliary air-inlet. J. A. Torrens. No. 1,239,639; Sept. 11; v. 242; p. 321.
- Valve for gas-engines, Intake and exhaust. H. H. Hughes. No. 1,212,488; Jan. 16; v. 234; p. 792.
- Valve for gas-engines, Rotary. H. P. Stevens. No. 1,249,235; Dec. 4; v. 245; p. 234.
- Valve for gas-engines, Rotary disk. E. T. Armstrong. No. 1,225,916; May 15; v. 238; p. 714.
- Valve for gas-engines, Slide-. S. T. Allen. No. 1,237,444; Aug. 21; v. 241; p. 687.
- Valve for governors, Fluid-controlling. H. D. Johnson. No. 1,232,557; July 10; v. 240; p. 372.
- Valve for hydraulic systems, Shock-relief. C. A. Witter. No. 1,244,271; Oct. 23; v. 243; p. 983.
- Valve for hydrocarbon-engines, Exhaust-. H. R. Duke. No. 1,227,254; May 22; v. 238; p. 1205.
- Valve for hydrocarbon-engines, Rotary. G. L. Schofield. No. 1,222,680; Apr. 17; v. 237; p. 662.
- Valve for instantaneous water-heaters, Water-. E. Ruud and H. S. Humphrey. No. 1,247,157; Nov. 20; v. 244; p. 666.
- Valve for intake-manifolds, Inspirator-. W. H. Brasier. No. 1,240,303; Sept. 18; v. 242; p. 568.
- Valve for internal-combustion engines. W. G. Buck. No. 1,244,287; Oct. 23; v. 243; p. 988.
- Valve for internal-combustion engines. C. De Lukacsevics. No. 1,244,711; Oct. 30; v. 243; p. 1154.
- Valve for internal-combustion engines. W. J. Groninger. No. 1,247,824; Nov. 27; v. 244; p. 891.
- Valve for internal-combustion engines. E. G. Knox and F. B. Decker. No. 1,235,329; July 31; v. 240; p. 1365.
- Valve for internal-combustion engines. F. McClintock. No. 1,242,460; Oct. 9; v. 243; p. 355.
- Valve for internal-combustion engines. J. C. McIntosh. No. 1,211,202; Jan. 2; v. 234; p. 283.
- Valve for internal-combustion engines. T. Ouellet. No. 1,236,345; Aug. 7; v. 241; p. 260.
- Valve for internal-combustion engines. F. M. Rites. No. 1,214,714; Feb. 6; v. 235; p. 83.
- Valve for internal-combustion engines, Air-inlet. F. J. Philbrook. No. 1,246,458; Nov. 13; v. 244; p. 424.
- Valve for internal-combustion engines and the like. C. S. Goby. No. 1,234,458; July 24; v. 240; p. 1062.
- Valve for internal-combustion engines and the like. C. S. Goby. No. 1,234,459; July 24; v. 240; p. 1063.
- Valve for internal-combustion engines, Automatic regulating-. E. C. Newton. No. 1,229,500; June 12; v. 239; p. 428.
- Valve for internal-combustion engines, Auxiliary air-. M. J. Weber. No. 1,238,368; Aug. 28; v. 241; p. 1016.
- Valve for internal-combustion engines, Auxiliary air and moisture. W. F. Seidel. No. 1,245,988; Nov. 6; v. 244; p. 252.
- Valve for internal-combustion engines, Auxiliary air and steam inlet. J. F. Teel. No. 1,231,311; June 26; v. 239; p. 1107.
- Valve for internal-combustion engines, Fuel-. G. K. Davol. No. 1,225,703; May 8; v. 238; p. 599.
- Valve for internal-combustion engines, Puppet-. G. R. Rich. No. 1,218,317; Mar. 6; v. 236; p. 151.
- Valve for internal-combustion engines, Puppet-. F. D. Shepherd. No. 1,236,991; Aug. 14; v. 241; p. 504.
- Valve for internal-combustion engines, Puppet-. F. D. Shepherd. No. 1,240,378; Sept. 18; v. 242; p. 591.
- Valve for internal-combustion engines, Reversing-. E. M. Perry. No. 1,248,393; Nov. 27; v. 244; p. 1050.
- Valve for internal-combustion engines, Rotary. E. M. Bournonville. No. 1,250,548; Dec. 18; v. 245; p. 688.
- Valve for internal-combustion engines, Rotary. C. M. Bradley. No. 1,229,405; June 12; v. 239; p. 397.
- Valve for internal-combustion engines, Rotary. C. S. Goby. No. 1,234,460; July 24; v. 240; p. 1063.
- Valve for internal-combustion engines, Rotary. H. H. Gove. No. 1,249,066; Dec. 4; v. 245; p. 185.
- Valve for internal-combustion engines, Rotary. G. L. Schofield. No. 1,222,681; Apr. 17; v. 237; p. 662.
- Valve for internal-combustion engines, Slide-. H. H. Suplee. No. 1,234,411; July 24; v. 240; p. 1048.
- Valve for internal-combustion engines, Vaporizing-. J. S. Blackburn. No. 1,237,744; Aug. 21; v. 241; p. 783.
- Valve for locomotives, Automatic drifting-. V. P. McVoy. No. 1,215,947; Feb. 13; v. 235; p. 552.
- Valve for locomotives, Piston-. J. P. Chadwick. No. 1,245,870; Nov. 6; v. 244; p. 221.
- Valve for percussive tools. L. C. Bayles. No. 1,222,353; Apr. 10; v. 237; p. 505.
- Valve for percussive tools, Exhaust-controlling. F. M. Slater. No. 1,236,614; Aug. 14; v. 241; p. 331.
- Valve for percussive tools, Two-stage throttle. C. H. Haessler. No. 1,215,146; Feb. 6; v. 235; p. 231.
- Valve for pipes for the conduction of liquid and gaseous fluids. G. C. Hall and A. Bradshaw. No. 1,222,758; Apr. 17; v. 237; p. 689.
- Valve for radiators. E. D. Peerstone. No. 1,241,878; Oct. 2; v. 243; p. 131.
- Valve for radiators, Air-. N. U. Perls. No. 1,213,405; Jan. 23; v. 234; p. 1147.
- Valve for radiators or the like. H. Keynton. No. 1,213,108; Jan. 16; v. 234; p. 1010.
- Valve for self-starters, Controlling-. N. A. Christensen. No. 1,211,410; Jan. 9; v. 234; p. 388.
- Valve for steam-engines, Admission-. W. R. Hupp. No. 1,223,979; Apr. 24; v. 237; p. 1143.

Alphabetical list of inventions—Continued.

- Valve for steam-engines, Automatic exhaust. A. C. Hansen. No. 1,228,555; June 5; v. 239; p. 62.
- Valve for steam-radiators, Automatic air-. G. D. Hoffman. No. 1,211,314; Jan. 2; v. 234; p. 322.
- Valve for steam-radiators, Escape. Z. T. Scott. No. 1,210,712; Jan. 2; v. 234; p. 117.
- Valve for steam-superheaters, Relief-. J. G. Robinson. No. 1,217,504; Feb. 27; v. 235; p. 1191.
- Valve for trapping equalizing-reservoir air independent of brake-valves. W. C. Webster. No. 1,244,805; Oct. 30; v. 243; p. 1182.
- Valve for use in heating systems. A. G. Paul. No. 1,237,252; Aug. 14; v. 241; p. 586.
- Valve for water-supply pipes. G. Burich. No. 1,244,833; Oct. 30; v. 243; p. 1191.
- Valve for water-towers, Check-. G. L. Coleman. No. 1,236,056; Aug. 7; v. 241; p. 172.
- Valve, Fuel-. J. W. Hobing. No. 1,227,616; May 29; v. 238; p. 1352.
- Valve, Fuel-injection. A. O. Williams. No. 1,242,296; Oct. 9; v. 243; p. 303.
- Valve, Fuel-mixing safety throttle-. W. I. Short. No. 1,244,379; Oct. 23; v. 243; p. 1014.
- Valve, Gas-. J. W. Gibney. No. 1,218,252; Mar. 6; v. 236; p. 129.
- Valve, Gas-. M. J. Mysker. No. 1,218,299; Mar. 6; v. 236; p. 145.
- Valve, Gas-regulating. A. W. Bice. No. 1,221,660; Apr. 3; v. 237; p. 228.
- Valve, Gas-shut-off. O. Fox. No. 1,233,659; July 17; v. 240; p. 768.
- Valve, Gate-. W. F. Hagen. No. 1,219,392; Mar. 13; v. 236; p. 560.
- Valve, Gate-. R. L. Hibbard. No. 1,243,736; Oct. 23; v. 243; p. 820.
- Valve, Gate-. F. Milliken. No. 1,212,090; Jan. 9; v. 234; p. 621.
- Valve, Gate-. C. E. Oswald. No. 1,245,961; Nov. 6; v. 244; p. 246.
- Valve, Gate-. R. J. Riley. No. 1,226,380; May 15; v. 238; p. 874.
- Valve-gear. H. K. Bente. No. 1,247,923; Nov. 27; v. 244; p. 919.
- Valve-gear. M. Birkigt. No. 1,225,565; May 8; v. 238; p. 554.
- Valve-gear. A. A. Brooks. No. 1,216,204; Feb. 13; v. 235; p. 644.
- Valve-gear. E. D. Dickinson. No. 1,245,576; Nov. 6; v. 244; p. 132.
- Valve-gear. F. S. and A. S. Duesenberg. No. 1,244,481; Oct. 30; v. 243; p. 1083.
- Valve-gear. R. G. Graham. No. 1,219,549; Mar. 20; v. 236; p. 645.
- Valve-gear. J. Hamilton. No. 1,220,330; Mar. 27; v. 236; p. 957.
- Valve-gear. D. J. Miller and J. M. Austin. No. 1,239,933; Sept. 11; v. 242; p. 416.
- Valve-gear. F. W. Ofeldt. No. 1,238,559; Aug. 28; v. 241; p. 1079.
- Valve-gear. F. W. Ofeldt. No. 1,238,560; Aug. 28; v. 241; p. 1079.
- Valve-gear. W. L. Smith. No. 1,249,534; Dec. 11; v. 245; p. 350.
- Valve-gear for internal-combustion engines. O. Winkler and R. Urtel. No. 1,216,196; Feb. 13; v. 235; p. 641.
- Valve-gear for piston-engines. E. Schmid. No. 1,213,274; Jan. 23; v. 234; p. 1101.
- Valve-gear for power-hammers. J. Hamilton. No. 1,220,331; Mar. 27; v. 236; p. 957.
- Valve-gear for steam-engines. W. M. Wilkin. No. 1,216,032; Feb. 13; v. 235; p. 583.
- Valve-gear in steam-engines, Internal. I. Sensinl. No. 1,220,013; Mar. 20; v. 236; p. 805.
- Valve-gear, Locomotive. T. James, Jr. No. 1,226,523; May 15; v. 238; p. 919.
- Valve-gear, Reversing. J. E. Brogdon. No. 1,240,663; Sept. 18; v. 242; p. 679.
- Valve-gear, Reversing. C. J. Pilliod. No. 1,243,760; Oct. 23; v. 243; p. 828.
- Valve-gear, Steam-engine. W. L. Smith. No. 1,217,648; Feb. 27; v. 235; p. 1243.
- Valve-gear, Variable. C. U. McLain. No. 1,226,549; May 15; v. 238; p. 927.
- Valve-gears, Reversing-shaft for engine. C. W. Dake. No. 1,225,931; May 15; v. 238; p. 719.
- Valve-gears, Rock-shaft for. C. E. Miller. No. 1,222,969; Apr. 17; v. 237; p. 760.
- Valve-gearing. R. Staub. No. 1,235,610; Aug. 7; v. 241; p. 27.
- Valve-gearing for internal-combustion engines. G. W. Richardson and G. M. Higgins. No. 1,220,274; Mar. 27; v. 236; p. 935.
- Valve-gearing mechanism. E. E. McCollum. No. 1,211,952; Jan. 9; v. 234; p. 578.
- Valve, Gravity-controlled. H. S. Hall. No. 1,236,164; Aug. 7; v. 241; p. 204.
- Valve-grinder. T. H. Cogswell, B. Jahn, and E. E. Kahl. No. 1,237,751; Aug. 21; v. 241; p. 786.
- Valve-grinder. W. E. Finkbeiner. No. 1,237,189; Aug. 14; v. 241; p. 564.
- Valve-grinder. L. G. Massicotte and G. C. Boswell. No. 1,244,526; Oct. 30; v. 243; p. 1096.
- Valve-grinder. C. Mikkeisen. No. 1,246,769; Nov. 13; v. 244; p. 516.
- Valve-grinder. W. E. Turner. No. 1,217,669; Feb. 27; v. 235; p. 1250.
- Valve-grinder, Electric. H. C. Newman. No. 1,219,142; Mar. 13; v. 236; p. 474.
- Valve-grinder, Electromagnetic. C. A. Hink. No. 1,230,900; June 26; v. 239; p. 968.
- Valve grinder, Gas-engine-. A. C. Beagle. No. 1,216,925; Feb. 20; v. 235; p. 945.
- Valve-grinding machine. H. G. Brown. No. 1,233,022; July 10; v. 240; p. 523.
- Valve-grinding machine. H. Leggett. No. 1,246,120; Nov. 13; v. 244; p. 322.
- Valve-grinding machine. F. L. Thomas. No. 1,250,049; Dec. 11; v. 245; p. 499.
- Valve-grinding mechanism. E. Casner. No. 1,224,067; Apr. 24; v. 237; p. 1172.
- Valve-grinding mechanism. L. Duquesnoy. No. 1,212,030; Jan. 9; v. 234; p. 603.
- Valve-grinding tool. B. B. Bean. No. 1,212,002; Jan. 9; v. 234; p. 594.
- Valve-grinding tool. T. O. Critz. No. 1,214,138; Jan. 30; v. 234; p. 1428.
- Valve-grinding tool. J. W. Larned. No. 1,248,347; Nov. 27; v. 244; p. 1037.
- Valve-grinding tool. C. L. Latimer. No. 1,219,010; Mar. 13; v. 236; p. 430.
- Valve-grinding tool. J. B. Rose. No. 1,250,512; Dec. 18; v. 245; p. 676.
- Valve-grinding tool. A. Wagner. No. 1,223,225; Apr. 17; v. 237; p. 847.
- Valve-guard. W. L. Frazer. No. 1,229,928; June 12; v. 239; p. 571.
- Valve-handle. P. Forg. No. 1,218,753; Mar. 13; v. 236; p. 339.
- Valve-holder, Suction-. F. G. Hobart and C. B. Jahnke. No. 1,229,459; June 12; v. 239; p. 414.
- Valve, Hot-blast. W. Mathesius. No. 1,228,463; June 5; v. 239; p. 30.
- Valve-housings, Support for. O. H. and A. F. Pieper. No. 1,230,214; June 19; v. 239; p. 702.
- Valve, Hydraulic. H. Haiss. No. 1,233,052; July 10; v. 240; p. 533.
- Valve-indicator. E. E. Clark. No. 1,235,767; Aug. 7; v. 241; p. 77.
- Valve, Inflation-. C. Frazier and J. Ashmore. No. 1,232,272; July 3; v. 240; p. 246.
- Valve, Internal-combustion-engine. J. Good. No. 1,230,291; June 19; v. 239; p. 728.
- Valve, Internal-combustion-engine. A. Munter. No. 1,232,593; July 10; v. 240; p. 383.
- Valve, Internal-combustion-engine. D. J. Sweetzer. No. 1,249,689; Dec. 11; v. 245; p. 395.
- Valve, Irrigating-. G. M. Vanderford. No. 1,220,296; Mar. 27; v. 236; p. 944.
- Valve, Leaching-. V. Smith. No. 1,238,209; Aug. 28; v. 241; p. 964.
- Valve-lifter. C. H. Brockway. No. 1,247,366; Nov. 20; v. 244; p. 724.
- Valve-lifter. W. E. Reynolds. No. 1,223,421; Apr. 24; v. 237; p. 947.
- Valve-lifting device. E. J. Sourber. No. 1,242,733; Oct. 9; v. 243; p. 443.
- Valve-lifting mechanism. W. J. Snadecki. No. 1,246,343; Nov. 13; v. 244; p. 389.
- Valve, Liquid-. P. Crovo. No. 1,223,038; Apr. 17; v. 237; p. 784.
- Valve, Liquid-sealed. D. C. Davis. No. 1,215,497; Feb. 13; v. 235; p. 388.
- Valve, Liquid-sealed. E. E. Rose. No. 1,215,579; Feb. 13; v. 235; p. 420.
- Valve-lock. W. Henckler. No. 1,243,936; Oct. 23; v. 243; p. 882.
- Valve-lock. W. H. Jahns, O. A. Knox, and P. A. Wilcox. No. 1,231,164; June 26; v. 239; p. 1060.
- Valve-lock. F. J. Miller. No. 1,215,958; Feb. 13; v. 235; p. 556.
- Valve-lock. W. J. Rideout. No. 1,245,770; Nov. 6; v. 244; p. 189.
- Valve-lock. L. Riley. No. 1,236,363; Aug. 7; v. 241; p. 265.
- Valve-lock. T. B. Ryan. No. 1,243,558; Oct. 16; v. 243; p. 730.
- Valve, Lock-. A. G. Koeppe. No. 1,240,734; Sept. 18; v. 242; p. 700.
- Valve, Lock-controlled. G. C. Jensen. No. 1,233,789; July 17; v. 240; p. 809.
- Valve, Locking-. G. Burkhardt. No. 1,217,406; Feb. 27; v. 235; p. 1154.
- Valve, Locking-. E. W. Rogers and T. C. Riebe. No. 1,238,944; Sept. 4; v. 242; p. 71.
- Valve, Locomotive and tender distributing-. J. R. Snyder. No. 1,250,688; Dec. 18; v. 245; p. 720.
- Valve, Locomotive throttle-. H. A. Hoke. No. 1,219,945; Mar. 20; v. 236; p. 783.
- Valve, Lubricator-filling. J. H. Watters and W. H. Bean. No. 1,217,672; Feb. 27; v. 235; p. 1251.
- Valve mechanism. A. Beler. No. 1,246,041; Nov. 13; v. 244; p. 299.
- Valve mechanism. S. W. Brainard. No. 1,210,757; Jan. 2; v. 234; p. 130.
- Valve mechanism. L. Chevrolet. No. 1,238,263; Aug. 28; v. 241; p. 983.
- Valve mechanism. A. C. Crump. No. 1,224,447; May 1; v. 238; p. 121.

- Valve mechanism. F. M. Davis. No. 1,231,572; July 3; v. 240; p. 10.
- Valve mechanism. J. W. Dixon. No. 1,236,409; Aug. 14; v. 241; p. 314.
- Valve mechanism. W. U. Griffiths. No. 1,244,195; Oct. 23; v. 243; p. 959.
- Valve mechanism. H. T. Holbrook. No. 1,238,670; Aug. 28; v. 241; p. 1112.
- Valve mechanism. E. S. MacPherson. No. 1,227,812; May 29; v. 238; p. 1420.
- Valve mechanism. D. Ronconi. No. 1,241,662; Oct. 2; v. 243; p. 62.
- Valve mechanism. H. S. Salisbury. No. 1,214,223; Jan. 30; v. 234; p. 1456.
- Valve mechanism, Automatic. J. F. Johnson. No. 1,223,340; Apr. 17; v. 237; p. 885.
- Valve mechanism, Check. F. N. Roehrich. No. 1,217,106; Feb. 20; v. 235; p. 1006.
- Valve mechanism, Combined automatic and straight air. J. A. Adams. No. 1,215,895; Feb. 13; v. 235; p. 532.
- Valve mechanism, Combined automatic and straight air. J. A. Adams. No. 1,217,130; Feb. 27; v. 235; p. 1061.
- Valve mechanism, Drifting. H. P. Letart. No. 1,217,023; Feb. 20; v. 235; p. 979.
- Valve mechanism, Engine. H. F. McCray and W. W. Goodrich. No. 1,213,391; Jan. 23; v. 234; p. 1142.
- Valve mechanism, Flush-tank. J. W. Meaker. No. 1,238,317; Aug. 28; v. 241; p. 1000.
- Valve mechanism for coupling systems, Electropneumatic triple. C. H. Tomlinson. No. 1,228,719; June 5; v. 239; p. 117.
- Valve mechanism for engines. J. J. Dunlap. No. 1,249,926; Dec. 11; v. 245; p. 465.
- Valve mechanism for engines, Rotary. A. D. Grant. No. 1,246,912; Nov. 20; v. 244; p. 595.
- Valve mechanism for explosive-engines. W. E. Williams. No. 1,216,757; Feb. 20; v. 235; p. 889.
- Valve mechanism for flushing-tanks. C. H. Muckenhirn. No. 1,224,491; May 1; v. 238; p. 135.
- Valve mechanism for gas-engines. F. L. Morse. No. 1,210,672; Jan. 2; v. 234; p. 103.
- Valve mechanism for gas-engines. L. M. Turner. No. 1,220,380; Mar. 27; v. 236; p. 974.
- Valve mechanism for gate-valves. G. J. Henry, Jr. No. 1,221,052; Apr. 3; v. 237; p. 17.
- Valve mechanism for internal-combustion engines. W. M. Baumheckel. No. 1,220,814; Mar. 27; v. 236; p. 1124.
- Valve mechanism for internal-combustion engines. B. E. Staver. No. 1,230,613; June 19; v. 239; p. 835.
- Valve mechanism for internal-combustion engines. W. I. Twombly. No. 1,233,621; July 17; v. 240; p. 757.
- Valve mechanism for internal-combustion engines. H. C. Well. No. 1,213,316; Jan. 23; v. 234; p. 1117.
- Valve mechanism for internal-combustion motors. A. W. Farrell and H. Keller. No. 1,246,732; Nov. 13; v. 244; p. 505.
- Valve mechanism for internal-combustion motors. L. P. Savage. No. 1,213,027; Jan. 16; v. 234; p. 983.
- Valve mechanism for locomotives, Screw reverse. K. Rushton. No. 1,221,604; Apr. 3; v. 237; p. 210.
- Valve mechanism for locomotives, Throttle. J. J. Jones. No. 1,229,968; June 12; v. 239; p. 583.
- Valve mechanism for locomotives, Throttle. H. S. Vincent and W. P. Steele. No. 1,227,096; May 22; v. 238; p. 1152.
- Valve mechanism for motors, Electrically-controlled. S. Scognamiglio. No. 1,220,011; Mar. 20; v. 236; p. 804.
- Valve mechanism for steam-heated rotary cylinders. M. H. Collom. No. 1,227,040; May 22; v. 238; p. 1133.
- Valve mechanism, Gas-engine slide. G. W. Haury. No. 1,247,109; Nov. 20; v. 244; p. 651.
- Valve mechanism, Locomotive-drifting. H. S. Vincent and J. L. Mohun. No. 1,211,645; Jan. 9; v. 234; p. 467.
- Valve mechanism, Locomotive-drifting. H. S. Vincent and J. L. Mohun. No. 1,211,646; Jan. 9; v. 234; p. 468.
- Valve mechanism, Pneumatic. R. T. Schriber, G. George, and W. H. Meacham. No. 1,233,923; July 17; v. 240; p. 853.
- Valve mechanism, Seed-cotton-distributing. C. L. Orsborn. No. 1,249,469; Dec. 11; v. 245; p. 331.
- Valve mechanism, Tank. G. Schmidt. No. 1,243,766; Oct. 23; v. 243; p. 830.
- Valve mechanism, Time-controlled. H. X. Norwood. No. 1,249,293; Dec. 4; v. 245; p. 250.
- Valve, Metric. H. R. Gilson. No. 1,227,607; May 29; v. 238; p. 1349.
- Valve, Mixing. J. Graves. No. 1,215,928; Feb. 13; v. 235; p. 545.
- Valve, Mixing. R. C. A. Holzhausen. No. 1,231,609; July 3; v. 240; p. 24.
- Valve, Mixing. C. Lindemer. No. 1,220,145; Mar. 20; v. 236; p. 856.
- Valve, Multiple-control. L. A. Marsh. No. 1,216,243; Feb. 13; v. 235; p. 658.
- Valve, Multiway. E. T. Betker. No. 1,214,747; Feb. 6; v. 235; p. 93.
- Valve of internal-combustion engines. C. W. Harrison. No. 1,214,544; Feb. 6; v. 235; p. 22.
- Valve, Oil-feeding. A. P. Kögler. No. 1,224,755; May 1; v. 238; p. 228.
- Valve operating and locking means. W. Baker. No. 1,226,938; May 22; v. 238; p. 1096.
- Valve operating and locking means. T. Behan. No. 1,236,815; Aug. 14; v. 241; p. 449.
- Valve-operating mechanism. J. W. Blackstone. No. 1,224,835; May 1; v. 238; p. 255.
- Valve-operating mechanism. C. E. Itner and C. A. Smith. No. 1,211,159; Jan. 2; v. 234; p. 267.
- Valve-operating mechanism. A. Soss. No. 1,218,010; Mar. 6; v. 236; p. 43.
- Valve-operating mechanism. J. H. Swan. No. 1,225,887; May 15; v. 238; p. 704.
- Valve-operating mechanism. E. Tobeler and W. Sullwold. No. 1,231,813; July 3; v. 240; p. 94.
- Valve or plug for fire-hose, Adjustable and taper-ground. A. Anderson. No. 1,248,781; Dec. 4; v. 245; p. 105.
- Valve, Oscillating sleeve. S. T. Allen. No. 1,237,989; Aug. 21; v. 241; p. 860.
- Valve, Piston. W. H. McIntyre. No. 1,222,115; Apr. 10; v. 237; p. 420.
- Valve, Piston. J. J. Robson. No. 1,249,506; Dec. 11; v. 245; p. 342.
- Valve, Piston. O. W. Young. No. 1,223,336; Apr. 17; v. 237; p. 883.
- Valve, Plate. R. D. Day. No. 1,227,759; May 29; v. 238; p. 1401.
- Valve, Plate. C. Wainwright. No. 1,214,396; Jan. 30; v. 234; p. 1519.
- Valve, Pneumatic. W. P. Porter. No. 1,247,326; Nov. 20; v. 244; p. 713.
- Valve, Poppet. C. D. Compton. No. 1,213,590; Jan. 23; v. 234; p. 1212.
- Valve-port packing. M. E. Chivvis. No. 1,215,484; Feb. 13; v. 235; p. 383.
- Valve, Pressure. C. G. Crispin. No. 1,244,177; Oct. 23; v. 243; p. 953.
- Valve, Pressure-actuated. F. E. Willey. No. 1,219,410; Mar. 13; v. 236; p. 566.
- Valve, Pressure and vacuum relief. D. Craig. No. 1,243,592; Oct. 16; v. 243; p. 739.
- Valve, Pressure-reducing. F. C. Blanchard, E. B. Crocker, and P. S. Keefer. No. 1,210,891; Jan. 2; v. 234; p. 176.
- Valve, Pressure-reducing. J. J. Tague. No. 1,231,966; July 3; v. 240; p. 144.
- Valve, Pressure-regulating. F. L. Jahn. No. 1,245,725; Nov. 6; v. 244; p. 176.
- Valve, Pressure-regulating. L. B. McClean. No. 1,239,022; Sept. 4; v. 242; p. 97.
- Valve, Pressure-regulating. T. Peters. No. 1,231,293; June 26; v. 239; p. 1101.
- Valve, Puppert. R. L. Ellery. No. 1,230,140; June 19; v. 239; p. 677.
- Valve, Puppert. R. Miller. No. 1,242,576; Oct. 9; v. 243; p. 393.
- Valve, Quick-detachable. G. S. Johnson. No. 1,251,235; Dec. 25; v. 245; p. 940.
- Valve, Quick-opening packless. J. G. Engelhart. No. 1,226,485; May 15; v. 238; p. 907.
- Valve, Radiator. E. L. Davis. No. 1,214,281; Jan. 30; v. 234; p. 1478.
- Valve, Radiator. M. Pederson. No. 1,219,582; Mar. 20; v. 236; p. 656.
- Valve reamer and refacer. E. J. Dickson. No. 1,236,408; Aug. 14; v. 241; p. 313.
- Valve, Reducing. E. V. Anderson. No. 1,235,541; Aug. 7; v. 241; p. 3.
- Valve, Reducing. J. Auld and J. Graham. No. 1,212,879; Jan. 16; v. 234; p. 930.
- Valve, Reducing. A. J. and I. F. Fausek. No. 1,214,445; Jan. 30; v. 234; p. 1533.
- Valve, Reducing. D. B. Green. No. 1,216,985; Feb. 20; v. 235; p. 966.
- Valve, Reducing. C. N. Sowden. No. 1,216,872; Feb. 20; v. 235; p. 927.
- Valve-refacing tool. J. W. Brooks. No. 1,237,165; Aug. 14; v. 241; p. 558.
- Valve-registering lock. G. E. Bateman. No. 1,228,518; June 5; v. 239; p. 49.
- Valve-releasing device. R. L. Mapson. No. 1,222,229; Apr. 10; v. 237; p. 461.
- Valve, Relief. E. F. Donnelly. No. 1,246,892; Nov. 20; v. 244; p. 590.
- Valve, Relief. J. M. Dougherty and H. C. Tabler. No. 1,210,913; Jan. 2; v. 234; p. 185.
- Valve, Relief. R. C. Enyart. No. 1,235,019; July 31; v. 240; p. 1272.
- Valve, Relief. C. F. Fritch. No. 1,221,719; Apr. 3; v. 237; p. 248.
- Valve, Relief. E. F. Gebhardt. No. 1,230,289; June 19; v. 239; p. 727.
- Valve, Relief. N. B. Sands. No. 1,214,595; Feb. 6; v. 235; p. 39.
- Valve-removing tool. W. W. Price. No. 1,218,460; Mar. 6; v. 236; p. 198.
- Valve-removing tool. C. O. Throp. No. 1,234,967; July 31; v. 240; p. 1256.
- Valve-reseater. F. R. Taylor. No. 1,223,218; Apr. 17; v. 237; p. 845.
- Valve, Reverse-gear. C. L. Dickert. No. 1,231,137; June 26; v. 239; p. 1050.
- Valve, Reversing. A. G. Hatch. No. 1,222,624; Apr. 17; v. 237; p. 642.
- Valve reversing-gear, Steam-engine. H. R. Stafford. No. 1,230,049; June 12; v. 239; p. 608.

Alphabetical list of inventions—Continued.

- Valve, Rotary. C. W. Comstock. No. 1,248,080; Nov. 27; v. 244; p. 961.
- Valve, Rotary. E. R. Hobbs. No. 1,219,308; Mar. 13; v. 236; p. 530.
- Valve, Rotary. A. E. Moorhead. No. 1,218,296; Mar. 6; v. 236; p. 144.
- Valve, Rotary. W. J. Tower. No. 1,216,746; Feb. 13; v. 235; p. 479.
- Valve-sacks, Machine for tying. S. A. Wellman. No. 1,229,361; June 12; v. 239; p. 382.
- Valve, Safety. H. B. Ashelman and J. S. Johnson. No. 1,216,919; Feb. 20; v. 235; p. 943.
- Valve, Safety. G. H. Clark. No. 1,222,071; Apr. 10; v. 237; p. 404.
- Valve, Safety. G. H. Clark. No. 1,231,330; June 26; v. 239; p. 1114.
- Valve, Safety. G. H. Clark. No. 1,233,752; July 17; v. 240; p. 797.
- Valve, Safety. C. F. Kraut. No. 1,217,316; Feb. 27; v. 235; p. 1123.
- Valve, Safety. C. J. Manning. No. 1,236,583; Aug. 14; v. 241; p. 370.
- Valve, Safety. J. F. Metten. No. 1,231,280; June 26; v. 239; p. 1097.
- Valve, Safety air-relief. F. W. Ebeling. No. 1,229,726; June 12; v. 239; p. 504.
- Valve, Safety-appliance. J. G. Smeltzer. No. 1,250,040; Dec. 11; v. 245; p. 496.
- Valve, Safety gas. T. A. Brooks. No. 1,246,537; Nov. 13; v. 244; p. 448.
- Valve, Screw-seated. J. Menzies. No. 1,244,881; Oct. 30; v. 243; p. 1205.
- Valve-seat. R. H. Aldrich. No. 1,235,409; July 31; v. 240; p. 1388.
- Valve-seat for flush-tanks, Replaceable. W. C. Demilt. No. 1,222,081; Apr. 10; v. 237; p. 407.
- Valve-seat grinder. A. C. Waltz. No. 1,214,244; Jan. 30; v. 234; p. 1464.
- Valve-seats, &c., Facing-tool for dressing. F. L. Smith and T. B. Williams. No. 1,227,499; May 22; v. 238; p. 1284.
- Valve-seats, &c., Facing-tool for dressing. J. A. Stuard, F. L. Smith, and T. B. Williams. No. 1,227,500; May 22; v. 238; p. 1284.
- Valve-seats, &c., Facing-tool for dressing. T. B. Williams and F. L. Smith. No. 1,227,511; May 22; v. 238; p. 1288.
- Valve-seats, &c., Facing-tool for dressing. T. B. Williams and F. L. Smith. No. 1,227,512; May 22; v. 238; p. 1288.
- Valve-seats, &c., Facing-tool for dressing. T. B. Williams and F. L. Smith. No. 1,227,513; May 22; v. 238; p. 1289.
- Valve-seats, &c., Facing-tool for dressing. T. B. Williams, F. A. Dexter, and F. L. Smith. No. 1,227,515; May 22; v. 238; p. 1290.
- Valve, Self-closing. T. L. Titus. No. 1,250,388; Dec. 18; v. 245; p. 639.
- Valve, Self-closing. C. C. Tozier. No. 1,233,728; July 17; v. 240; p. 790.
- Valve, Self-grinding rotary. D. Ronconi. No. 1,241,663; Oct. 2; v. 243; p. 62.
- Valve set. E. M. Niebling. No. 1,234,930; July 31; v. 240; p. 1243.
- Valve-setting machine, Locomotive. C. D. Rafferty. No. 1,225,490; May 8; v. 238; p. 528.
- Valve, Settling-tank. W. E. Supernaw. No. 1,235,079; July 31; v. 240; p. 1289.
- Valve, Sleeve. J. A. Charter. No. 1,238,104; Aug. 28; v. 241; p. 929.
- Valve-spring-compensating means. F. L. Kingston. No. 1,248,672; Dec. 4; v. 245; p. 72.
- Valve-spring compressor. R. A. Durland. No. 1,236,826; Aug. 14; v. 241; p. 452.
- Valve-spring lifter. P. W. Bettinger. No. 1,246,528; Nov. 13; v. 244; p. 445.
- Valve-spring lifter. H. B. Mertz. No. 1,214,572; Feb. 6; v. 235; p. 31.
- Valve-spring lifter. A. Placek. No. 1,220,547; Mar. 27; v. 236; p. 1033.
- Valve-spring lifter. W. S. Thomson. No. 1,243,010; Oct. 16; v. 243; p. 566.
- Valve-spring retainer. W. B. Hoban. No. 1,213,488; Jan. 23; v. 234; p. 1175.
- Valve-springs, Tool for compressing. J. C. Reynolds. No. 1,227,669; May 29; v. 238; p. 1371.
- Valve, Steam-packing. G. Khumber and A. A. Williams. No. 1,218,187; Mar. 6; v. 236; p. 104.
- Valve, Steam-pressure-regulating. J. L. Kimball. No. 1,236,093; Aug. 7; v. 241; p. 182.
- Valve, Steam-turbine. E. H. Werzner. No. 1,241,316; Sept. 25; v. 242; p. 918.
- Valve, Steel-plate grate. H. B. Redding. No. 1,213,259; Jan. 23; v. 234; p. 1096.
- Valve-stem cap. O. A. Smith. No. 1,242,995; Oct. 16; v. 236; p. 560.
- Valve-stem gage. G. T. Hackly. No. 1,219,729; Mar. 20; v. 236; p. 707.
- Valve-stem hood for internal-combustion engines. F. G. Dahlgren. No. 1,230,689; June 19; v. 239; p. 860.
- Valve-stems, Dust-cap for. E. L. Aiken. No. 1,220,809; Mar. 27; v. 236; p. 1121.
- Valve, Stop and check. O. E. Oleson. No. 1,216,352; Feb. 20; v. 235; p. 747.
- Valve, Stop and waste. F. Schulder. No. 1,228,060; May 29; v. 238; p. 1505.
- Valve structure for steam-engines. S. and J. King. No. 1,212,959; Jan. 16; v. 234; p. 958.
- Valve, Supply. P. O. Keppelman. No. 1,220,427; Mar. 27; v. 236; p. 990.
- Valve system. R. J. Quelle. No. 1,213,536; Jan. 23; v. 234; p. 1193.
- Valve system for reversing-furnaces. L. L. Knox. No. 1,250,900; Dec. 18; v. 245; p. 792.
- Valve, Tank-filling. R. B. Barber. No. 1,219,690; Mar. 20; v. 236; p. 694.
- Valve, Tank outlet. G. M. Bacon. No. 1,238,622; Aug. 28; v. 241; p. 1098.
- Valve-tappet, Cushioned. J. D. Langdon. No. 1,241,745; Oct. 2; v. 243; p. 89.
- Valve, Temperature-control. F. W. Powers. No. 1,217,344; Feb. 27; v. 235; p. 1132.
- Valve tester and grinder. B. Hewitt. No. 1,222,289; Apr. 10; v. 237; p. 482.
- Valve, Thermal gas-cut-off. E. C. Weisgerber. No. 1,218,729; Mar. 13; v. 236; p. 330.
- Valve, Thermostatic. J. L. Fitts. No. 1,235,673; Aug. 7; v. 241; p. 45.
- Valve, Thermostatic. N. S. Harter. No. 1,220,985; Mar. 27; v. 236; p. 1179.
- Valve, Thermostatic. R. S. Mayer. No. 1,231,044; June 26; v. 239; p. 1018.
- Valve, Thermostatic. G. F. Schwartz. No. 1,210,706; Jan. 2; v. 234; p. 114.
- Valve, Thermostatic pressure. E. B. Walsh. No. 1,232,130; July 3; v. 240; p. 202.
- Valve, Thermostatically-controlled radiator. J. S. Brennan. No. 1,219,699; Mar. 20; v. 236; p. 697.
- Valve, Throttle. F. H. Clark and J. M. Coffey. No. 1,220,729; Mar. 27; v. 236; p. 1094.
- Valve, Throttle. F. H. Clark and J. M. Coffey. No. 1,242,880; Oct. 9; v. 243; p. 489.
- Valve, Throttle. J. M. Coffey. No. 1,215,488; Feb. 13; v. 235; p. 385.
- Valve, Throttle. H. S. Vincent. No. 1,227,097; May 22; v. 238; p. 1152.
- Valve, Train-pipe. D. C. Mitchell. No. 1,240,472; Sept. 18; v. 242; p. 621.
- Valve, Triple. J. R. Snyder. No. 1,212,828; Jan. 16; v. 234; p. 912.
- Valve, Triple. J. R. Snyder. No. 1,231,214; June 26; v. 239; p. 1076.
- Valve, Triple. J. R. Snyder. No. 1,248,737; Dec. 4; v. 245; p. 92.
- Valve, Unloader. L. M. Karnasch. No. 1,248,665; Dec. 4; v. 245; p. 70.
- Valve, Unloading. E. W. Brown. No. 1,240,664; Sept. 18; v. 242; p. 679.
- Valve used in pressure-water motors and pressure-pumps, Ring. K. Prött. No. 1,237,693; Aug. 21; v. 241; p. 767.
- Valve, Vacuum. M. C. Schweinert and H. P. Kraft. No. 1,220,694; Mar. 27; v. 236; p. 1083.
- Valve-washer. C. Scheelk. No. 1,245,516; Nov. 6; v. 244; p. 113.
- Valve, Waste and supply. J. Allingham. No. 1,233,634; July 17; v. 240; p. 761.
- Valve, Water-cooled. A. L. Stevens. No. 1,219,501; Mar. 20; v. 236; p. 627.
- Valves and the like, Tool for grinding. J. W. Frain and G. B. Bailey. No. 1,218,754; Mar. 13; v. 236; p. 339.
- Valves, Automatic control for. J. Brückner and F. Hamberger. No. 1,241,191; Sept. 25; v. 242; p. 876.
- Valves, Automatic control for gate. E. V. Anderson. No. 1,235,540; Aug. 7; v. 241; p. 3.
- Valves, Device for removing puppet. C. J. Bousfield. No. 1,245,667; Nov. 6; v. 244; p. 160.
- Valves, Dust-cap for. A. C. Savidge. No. 1,210,702; Jan. 2; v. 234; p. 113.
- Valves, Lever mechanism for operating throttle. M. Linton. No. 1,222,429; Apr. 10; v. 237; p. 532.
- Valves, Mechanism for operating flush. L. D. Lawnin and J. F. Staab. No. 1,219,012; Mar. 13; v. 236; p. 431.
- Valves of explosion-engines, Regrinding device for the. J. B. Mowry. No. 1,228,582; June 5; v. 239; p. 71.
- Valves of internal-combustion engines, Appliance for testing. J. Watson and J. Gerrand. No. 1,237,127; Aug. 14; v. 241; p. 548.
- Valves, Tappet for. R. W. Manning. No. 1,212,980; Jan. 16; v. 234; p. 967.
- Valveless four-cycle engine. R. A. and G. Johnson. No. 1,224,468; May 1; v. 238; p. 123.
- Vane-guide. F. Schmidt. No. 1,248,168; Nov. 27; v. 244; p. 987.
- Vanity-box. W. G. Kendall. No. 1,229,285; June 12; v. 239; p. 356.
- Vanity-case. W. C. Cutler. No. 1,239,164; Sept. 4; v. 242; p. 142.
- Vanity-case. A. M. Lyckland. No. 1,248,878; Dec. 4; v. 245; p. 134.
- Vanity-case, Combination. W. G. Kendall. No. 1,229,286; June 12; v. 239; p. 356.
- Vapor-burner. H. M. Connor. No. 1,210,423; Jan. 2; v. 234; p. 15.
- Vapor-converters, Anode structure for. S. W. Farnsworth. No. 1,226,069; May 15; v. 238; p. 768.

- Vapor-converters, Auxiliary apparatus for. E. E. Eby. No. 1,226,067; May 15; v. 238; p. 767.
- Vapor-converters, Shielding system for. C. L. Fortescue. No. 1,231,587; July 3; v. 240; p. 16.
- Vapor-converters, Shielding system for. L. E. Frost. No. 1,231,592; July 3; v. 240; p. 18.
- Vapor-converters, Shielding system for. E. F. Sipher. No. 1,244,555; Oct. 30; v. 243; p. 1107.
- Vapor-converters, Sustaining device for. S. W. Farnsworth. No. 1,227,766; May 29; v. 238; p. 1404.
- Vapor current-rectifying device. F. Conrad. No. 1,234,875; July 31; v. 240; p. 1225.
- Vapor from gas and other fluids, Apparatus for separating. L. C. Frohrieb. No. 1,222,751; Apr. 17; v. 237; p. 686.
- Vapor-generating burner. G. L. Rowekamp. No. 1,215,712; Feb. 13; v. 235; p. 469.
- Vapor-governor. P. L. Guest. No. 1,235,462; July 31; v. 240; p. 1402.
- Vapor-rectifier. S. W. Farnsworth. No. 1,244,483; Oct. 30; v. 243; p. 1084.
- Vapor, steam, and hot-water generator. C. Lauterbach. No. 1,211,722; Jan. 9; v. 234; p. 492.
- Vaporizer. M. Beadle. No. 1,242,099; Oct. 2; v. 243; p. 200.
- Vaporizer. L. G. Gebhard and J. M. Rowley. No. 1,213,349; Jan. 23; v. 234; p. 1128.
- Vaporizer. B. L. Myers. No. 1,243,439; Oct. 16; v. 243; p. 695.
- Vaporizer. J. A. Nickelson and J. Fredrikson. No. 1,227,649; May 29; v. 238; p. 1364.
- Vaporizer. E. O. Sessions. No. 1,215,879; Feb. 13; v. 235; p. 527.
- Vaporizer. E. G. Staude. No. 1,214,838; Feb. 6; v. 235; p. 122.
- Vaporizer. J. A. Thompson. No. 1,231,811; July 3; v. 240; p. 98.
- Vaporizer. H. N. Whittelsey. No. 1,243,647; Oct. 16; v. 243; p. 757.
- Vaporizer and burner, Medicament. G. W. Bennett. No. 1,211,339; Jan. 9; v. 234; p. 381.
- Vaporizer and mixer, Combined. J. Walter, H. J. Butterworth, and O. J. Sigler. No. 1,228,082; May 29; v. 238; p. 1513.
- Vaporizer, Automatic. R. Jensen. No. 1,235,806; Aug. 7; v. 241; p. 91.
- Vaporizer, Electrical. J. H. Lepper. No. 1,222,425; Apr. 10; v. 237; p. 531.
- Vaporizer for heavy fuels, Explosion-engine. J. J. Fahrney. No. 1,220,968; Mar. 27; v. 236; p. 1174.
- Vaporizer, Fuel-. P. Klopp. No. 1,249,119; Dec. 4; v. 245; p. 199.
- Vaporizer, Hydrocarbon-. E. Planche. No. 1,242,975; Oct. 16; v. 243; p. 554.
- Vaporizer, Medicinal. T. A. De Vilbiss. No. 1,221,516; Apr. 3; v. 237; p. 181.
- Vaporizer, Water-. L. E. Smith. No. 1,250,373; Dec. 18; v. 245; p. 635.
- Vaporizing and burning hydrocarbon fuels, Apparatus for. J. A. Doble. No. 1,225,417; May 8; v. 238; p. 505.
- Vaporizing apparatus. R. H. Wilson. No. 1,211,991; Jan. 9; v. 234; p. 591.
- Vaporizing, concentrating or drying solutions, Method of and apparatus for. G. A. Krause. No. 1,213,659; Jan. 23; v. 234; p. 1234.
- Vaporizing or concentrating liquids, solutions, emulsions, suspensions, and like substances. G. A. Krause. No. 1,213,887; Jan. 30; v. 234; p. 1342.
- Vaporizing-starter. D. La Cour and C. V. Schou. No. 1,249,425; Dec. 11; v. 245; p. 318.
- Varnish-bases, Making. C. Ellis and L. Rabinovitz. No. 1,226,760; May 22; v. 238; p. 1036.
- Varnish material, Making. C. Ellis. No. 1,242,161; Oct. 9; v. 243; p. 261.
- Varnish-removing composition. C. Ellis. No. 1,229,247; June 12; v. 239; p. 343.
- Varnishes, paints, and other protective or coating preparations, Manufacture of. H. Terrisse. No. 1,214,611; Feb. 6; v. 235; p. 45.
- Vase-holder. J. E. Marsden. No. 1,226,101; May 15; v. 238; p. 778.
- Vault, Burial-. F. E. Arndt. No. 1,219,217; Mar. 13; v. 236; p. 499.
- Vault, Burial-. L. O. Dickinson. No. 1,243,492; Oct. 16; v. 243; p. 710.
- Vault, Burial-. W. J. Gorman. No. 1,242,344; Oct. 9; v. 243; p. 318.
- Vault, Grave-. H. D. Clark. No. 1,230,115; June 19; v. 239; p. 669.
- Vault, Grave-. A. A. Linquist. No. 1,212,519; Jan. 16; v. 234; p. 804.
- Vault-light. A. E. Davis. No. 1,245,199; Nov. 6; v. 244; p. 17.
- Vault-light construction. A. Chambley. No. 1,247,223; Nov. 20; v. 244; p. 684.
- Vault-light, floor-light, pavement-light, or skylight construction. A. E. Davis. No. 1,241,825; Oct. 2; v. 243; p. 114.
- Vault-light lens-holder. E. J. Alfieres. No. 1,231,688; July 3; v. 240; p. 52.
- Vault, Memorial burial-. I. S. Dauley. No. 1,216,085; Feb. 13; v. 235; p. 602.
- Vault mold, Concrete-burial-. C. W. Baumgardner. No. 1,247,784; Nov. 27; v. 244; p. 880.
- Vault-sky- or floor-light construction. F. J. Geiger and A. E. Davis. No. 1,245,214; Nov. 6; v. 244; p. 22.
- Vault, Portable. S. W. Dyckman. No. 1,223,374; Apr. 24; v. 237; p. 930.
- Vault, Sectional steel. S. A. Ely. No. 1,218,248; Mar. 6; v. 236; p. 127.
- Vaults, Damp-proofing burial-. A. W. Graham. No. 1,238,760; Sept. 4; v. 242; p. 12.
- Vegetable-cutter. L. E. Adams. No. 1,230,640; June 19; v. 239; p. 845.
- Vegetable-cutter. H. W. Broomfield. No. 1,234,724; July 31; v. 240; p. 1179.
- Vegetable-cutter. A. C. Bullen. No. 1,220,179; Mar. 27; v. 236; p. 902.
- Vegetable-cutter. P. H. Burks. No. 1,223,254; Apr. 17; v. 237; p. 856.
- Vegetable-cutter. J. A. Hathaway. No. 1,249,752; Dec. 11; v. 245; p. 414.
- Vegetable-cutter. C. P. Nutter. No. 1,218,577; Mar. 6; v. 236; p. 237.
- Vegetable infusions or extracts, Apparatus for making. T. B. Dixon. No. 1,246,399; Nov. 13; v. 244; p. 406.
- Vegetable or fruit cutter. J. S. Lockerby. No. 1,231,395; June 26; v. 239; p. 1135.
- Vegetable-preparing machine. J. E. Gloekler. No. 1,229,252; June 12; v. 239; p. 344.
- Vegetable proteid product and making the same. S. Satow. No. 1,245,975; Nov. 6; v. 244; p. 249.
- Vegetable stalks, Retting. W. Douglas. No. 1,224,722; May 1; v. 238; p. 217.
- Vegetable substances for the recovery of their values, Treating. M. W. Marsden. No. 1,251,261; Dec. 25; v. 245; p. 947.
- Vegetable-washing machine. C. A. Schettler. No. 1,210,853; Jan. 2; v. 234; p. 162.
- Vegetables, Conserving fresh. J. Schneible. No. 1,242,728; Oct. 9; v. 243; p. 441.
- Vegetative device. J. Swartz. No. 1,217,239; Feb. 27; v. 235; p. 1097.
- Vehicle. C. L. Byron. No. 1,230,109; June 19; v. 239; p. 667.
- Vehicle. C. L. Byron. No. 1,230,110; June 19; v. 239; p. 667.
- Vehicle. R. B. Fageol. No. 1,212,616; Jan. 16; v. 234; p. 838.
- Vehicle. R. B. Fageol. No. 1,226,959; May 22; v. 238; p. 1104.
- Vehicle. R. B. Fageol. No. 1,226,960; May 22; v. 238; p. 1104.
- Vehicle. J. B. Ferguson. No. 1,227,257; May 22; v. 238; p. 1207.
- Vehicle. G. J. Hebbeler. No. 1,215,528; Feb. 13; v. 235; p. 400.
- Vehicle. A. Johnson. No. 1,242,446; Oct. 9; v. 243; p. 350.
- Vehicle. G. C. Kennedy. No. 1,219,821; Mar. 20; v. 236; p. 739.
- Vehicle. L. Kinsbruner. No. 1,246,435; Nov. 13; v. 244; p. 417.
- Vehicle. J. L. Lake. No. 1,227,634; May 29; v. 238; p. 1358.
- Vehicle. C. P. Landes. No. 1,249,123; Dec. 4; v. 245; p. 200.
- Vehicle. A. M. Laycock. No. 1,229,296; June 12; v. 239; p. 360.
- Vehicle. E. Meis. No. 1,227,477; May 22; v. 238; p. 1276.
- Vehicle. G. W. Myers. No. 1,243,662; Oct. 16; v. 243; p. 761.
- Vehicle. C. L. Nedoma. No. 1,213,893; Jan. 30; v. 234; p. 1345.
- Vehicle. R. T. Newton. No. 1,230,762; June 19; v. 239; p. 884.
- Vehicle. R. T. Newton. No. 1,251,409; Dec. 25; v. 245; p. 991.
- Vehicle. C. J. Pembroke. No. 1,216,486; Feb. 20; v. 235; p. 795.
- Vehicle. C. Roggasch. No. 1,216,246; Feb. 13; v. 235; p. 659.
- Vehicle. H. G. Runne. No. 1,232,434; July 3; v. 240; p. 296.
- Vehicle, Agricultural. M. E. Berger. No. 1,232,420; July 3; v. 240; p. 292.
- Vehicle alarm device, Motor-. B. F. Johnston. No. 1,239,602; Sept. 11; v. 242; p. 309.
- Vehicle and hobby-horse, Combined. L. D. Powell. No. 1,226,590; May 15; v. 238; p. 939.
- Vehicle appliance, Motor-. C. Hilts. No. 1,234,026; July 17; v. 240; p. 885.
- Vehicle, Armored. S. J. Clark. No. 1,213,074; Jan. 16; v. 234; p. 997.
- Vehicle, Armored. J. Zawacki. No. 1,236,811; Aug. 14; v. 241; p. 447.
- Vehicle attachment. F. M. Crane. No. 1,241,344; Sept. 25; v. 242; p. 926.
- Vehicle attachment. R. Pederson. No. 1,228,594; June 5; v. 239; p. 75.
- Vehicle attachment. W. P. Walker. No. 1,215,225; Feb. 6; v. 235; p. 259.
- Vehicle attachment, Motor-. D. Borland and H. L. Fox. No. 1,212,009; Jan. 9; v. 234; p. 596.
- Vehicle attachment, Motor-. H. B. Carmichael. No. 1,219,247; Mar. 13; v. 236; p. 509.

Alphabetical list of inventions—Continued.

- Vehicle attachment, Motor-. J. D. Henderson. No. 1,229,956; June 12; v. 239; p. 580.
- Vehicle attachment, Motor-. L. P. Miller. No. 1,238,173; Aug. 28; v. 241; p. 953.
- Vehicle audible alarm. H. Morgan. No. 1,245,010; Oct. 30; v. 243; p. 1245.
- Vehicle automatic brake. W. M. Barnes. No. 1,244,942; Oct. 30; v. 243; p. 1224.
- Vehicle auxiliary spring. F. F. Keeler. No. 1,218,409; Mar. 6; v. 236; p. 181.
- Vehicle baggage-carrier. A. F. MacGlashan. No. 1,232,351; July 3; v. 240; p. 272.
- Vehicle-bar-spring unit. M. L. Senderling. No. 1,220,791; Mar. 27; v. 236; p. 1114.
- Vehicle-bodies, Adjustable side and end board construction for. C. W. Wilson. No. 1,233,154; July 10; v. 240; p. 567.
- Vehicle-bodies, Bottom-dump mechanism for. E. L. Corwin. No. 1,245,686; Nov. 6; v. 244; p. 165.
- Vehicle bodies, Extensible air-tight end for land and water. A. E. Cook and T. Van Tuyl. No. 1,237,174; Aug. 14; v. 241; p. 560.
- Vehicle-bodies, Rear-end door for. F. G. Davis. No. 1,245,881; Nov. 6; v. 244; p. 224.
- Vehicle-body. A. E. Cook and T. Van Tuyl. No. 1,237,175; Aug. 14; v. 241; p. 561.
- Vehicle-body. F. G. Davis. No. 1,229,589; June 12; v. 239; p. 459.
- Vehicle-body. D. H. Du Bose. No. 1,235,667; Aug. 7; v. 241; p. 44.
- Vehicle-body. F. E. Kehl. No. 1,218,090; Mar. 6; v. 236; p. 70.
- Vehicle-body. J. H. Madison, Jr. No. 1,242,221; Oct. 9; v. 243; p. 279.
- Vehicle-body. D. F. Oliver. No. 1,236,207; Aug. 7; v. 241; p. 219.
- Vehicle-body. A. Serratos. No. 1,249,214; Dec. 4; v. 245; p. 227.
- Vehicle-body. E. A. Traylor. No. 1,225,192; May 8; v. 238; p. 427.
- Vehicle body and seat arrangement, Motor-. W. H. Emond. No. 1,250,155; Dec. 18; v. 245; p. 569.
- Vehicle-body construction, Convertible. F. J. Fisher. No. 1,242,673; Oct. 9; v. 243; p. 424.
- Vehicle-body, Convertible. J. T. Allmand. No. 1,230,977; June 26; v. 239; p. 995.
- Vehicle-body, Convertible. H. C. Maise. No. 1,251,259; Dec. 25; v. 245; p. 947.
- Vehicle-body, Convertible. F. J. A. McCauley. No. 1,249,793; Dec. 11; v. 245; p. 426.
- Vehicle-body, Delivery-. R. E. Greene. No. 1,240,704; Sept. 18; v. 242; p. 691.
- Vehicle-body, Detachable. J. W. Holland. No. 1,222,868; Apr. 17; v. 237; p. 727.
- Vehicle body, Motor-. R. M. T. Johnson. No. 1,230,715; June 19; v. 239; p. 868.
- Vehicle-body, Removable. A. C. Schulz. No. 1,243,636; Oct. 16; v. 243; p. 754.
- Vehicle-body spring-support and shock-absorber. M. J. Helmer. No. 1,216,993; Feb. 20; v. 235; p. 969.
- Vehicle-body spring suspension. E. E. Wemp. No. 1,211,649; Jan. 9; v. 234; p. 469.
- Vehicle-body, Steel. L. P. Croce. No. 1,233,319; July 17; v. 240; p. 655.
- Vehicle-body support. B. C. Seaton. No. 1,213,696; Jan. 23; v. 234; p. 1247.
- Vehicle-body support. A. L. Sessions. No. 1,215,878; Feb. 13; v. 235; p. 527.
- Vehicle-body support, Emergency. E. F. Mogren. No. 1,230,755; June 19; v. 239; p. 881.
- Vehicle-body top. S. Myerson. No. 1,247,315; Nov. 20; v. 244; p. 709.
- Vehicle-booster. F. R. Pence. No. 1,225,168; May 8; v. 238; p. 418.
- Vehicle-bow support and fastener. P. Broadbooks. No. 1,250,789; Dec. 18; v. 245; p. 759.
- Vehicle-brake. F. Ayler. No. 1,238,377; Aug. 28; v. 241; p. 1019.
- Vehicle-brake. J. H. Brewer. No. 1,219,073; Mar. 13; v. 236; p. 450.
- Vehicle-brake. C. A. Carpenter. No. 1,229,411; June 12; v. 239; p. 399.
- Vehicle-brake. D. Carse. No. 1,217,272; Feb. 27; v. 235; p. 1108.
- Vehicle-brake. F. Denman. No. 1,213,597; Jan. 23; v. 234; p. 1214.
- Vehicle-brake. E. R. Herren. No. 1,244,606; Oct. 30; v. 243; p. 1121.
- Vehicle-brake. J. M. Hughes. No. 1,244,212; Oct. 23; v. 243; p. 964.
- Vehicle-brake. T. J. Lavere. No. 1,228,033; May 29; v. 238; p. 1496.
- Vehicle-brake. M. Luce. No. 1,212,781; Jan. 16; v. 234; p. 898.
- Vehicle-brake. G. C. Marley. No. 1,233,383; July 17; v. 240; p. 677.
- Vehicle-brake. I. E. McCracken. No. 1,214,046; Jan. 30; v. 234; p. 1398.
- Vehicle-brake. G. B. Onken. No. 1,249,811; Dec. 11; v. 245; p. 431.
- Vehicle-brake. B. Pickering. No. 1,217,057; Feb. 20; v. 235; p. 989.
- Vehicle-brake. M. Potter. No. 1,214,713; Feb. 6; v. 235; p. 82.
- Vehicle-brake. G. Stickney. No. 1,221,623; Apr. 3; v. 237; p. 216.
- Vehicle-brake. J. Wieland. No. 1,221,937; Apr. 10; v. 237; p. 360.
- Vehicle-brake attachment. W. H. Mayo. No. 1,212,983; Jan. 16; v. 234; p. 968.
- Vehicle-brake, Automatic. H. Berget. No. 1,221,273; Apr. 3; v. 237; p. 97.
- Vehicle-brake, Automatic. L. W. Seivert. No. 1,241,035; Sept. 25; v. 242; p. 828.
- Vehicle buffer, Motor-. G. A. Lyon. No. 1,247,300; Nov. 20; v. 244; p. 705.
- Vehicle-bumper. C. A. Westover. No. 1,224,817; May 1; v. 238; p. 249.
- Vehicle-bumper support. J. Berg. No. 1,240,167; Sept. 18; v. 242; p. 523.
- Vehicle chassis into a commercial-truck chassis, Means for converting a pleasure-. W. F. Hudson. No. 1,237,207; Aug. 14; v. 241; p. 570.
- Vehicle, Child's. R. H. Brown. No. 1,234,725; July 31; v. 240; p. 1180.
- Vehicle, Child's. J. Hudry. No. 1,218,943; Mar. 13; v. 236; p. 406.
- Vehicle, Child's. C. M. Lynn. No. 1,233,077; July 10; v. 240; p. 541.
- Vehicle, Child's. T. O. Mason. No. 1,241,474; Sept. 25; v. 242; p. 964.
- Vehicle, Child's. O. A. Swingle and T. J. Mangan. No. 1,223,009; Apr. 17; v. 237; p. 774.
- Vehicle, Child's. M. Thomsen. No. 1,211,897; Jan. 9; v. 234; p. 557.
- Vehicle-check. H. A. Shaw. No. 1,229,535; June 12; v. 239; p. 441.
- Vehicle-closure. B. F. Brackbill. No. 1,232,194; July 3; v. 240; p. 221.
- Vehicle, Coasting. R. C. Cashner. No. 1,245,317; Nov. 6; v. 244; p. 53.
- Vehicle, Collapsible. G. B. Ambler. No. 1,215,303; Feb. 6; v. 235; p. 285.
- Vehicle, Collapsible. G. B. Ambler. No. 1,242,634; Oct. 9; v. 243; p. 411.
- Vehicle collapsible seat. J. J. Schramm. No. 1,218,006; Mar. 6; v. 236; p. 41.
- Vehicle combination lock, Motor-. E. Wagner. No. 1,233,825; July 17; v. 240; p. 820.
- Vehicle construction. H. C. Waite. No. 1,249,696; Dec. 11; v. 245; p. 897.
- Vehicle construction, Motor-. H. K. Kouyoumjian. No. 1,219,563; Mar. 20; v. 236; p. 650.
- Vehicle-control mechanism, Motor-. R. S. Trott. No. 1,221,925; Apr. 10; v. 237; p. 355.
- Vehicle-control pedals, Extension attachment for. W. G. Brown. No. 1,236,400; Aug. 14; v. 241; p. 310.
- Vehicle-control system. J. T. Cade. No. 1,231,846; July 3; v. 240; p. 105.
- Vehicle-controller. C. T. Henderson. No. 1,238,910; Sept. 4; v. 242; p. 61.
- Vehicle controller, Electric. D. C. Cookingham. No. 1,250,144; Dec. 18; v. 245; p. 566.
- Vehicle-controlling device, Traction-. L. S. Hackney. No. 1,245,708; Nov. 6; v. 244; p. 171.
- Vehicle-controlling means, Electric-. F. G. Peck. No. 1,245,264; Nov. 6; v. 244; p. 36.
- Vehicle-controlling means, Motor-. W. E. Tullar. No. 1,212,286; Jan. 16; v. 234; p. 723.
- Vehicle-controlling mechanism, Continuous. T. W. Scott. No. 1,210,710; Jan. 2; v. 234; p. 116.
- Vehicle coupling and steering device. M. J. McTighe. No. 1,237,356; Aug. 21; v. 241; p. 658.
- Vehicle-coupling device. P. de Monts. No. 1,218,631; Mar. 13; v. 236; p. 294.
- Vehicle-coupling means. A. B. Cadman. No. 1,245,676; Nov. 6; v. 244; p. 162.
- Vehicle-curtain construction. J. P. Johnson. No. 1,226,217; May 15; v. 238; p. 817.
- Vehicle-curtain fastener. F. J. Laible. No. 1,247,411; Nov. 20; v. 244; p. 737.
- Vehicle-curtain fastener. F. A. Neider. No. 1,220,777; Mar. 27; v. 236; p. 1109.
- Vehicle direction-indicating signal, Motor-. J. M. Teijelo. No. 1,232,995; July 10; v. 240; p. 515.
- Vehicle direction-indicator. J. A. Goodwin. No. 1,234,751; July 31; v. 240; p. 1188.
- Vehicle direction-indicator. A. B. Gustafson. No. 1,236,707; Aug. 14; v. 241; p. 414.
- Vehicle direction-indicator. C. G. Hamilton. No. 1,217,759; Feb. 27; v. 235; p. 1279.
- Vehicle direction-indicator. S. J. Jackman. No. 1,233,479; July 17; v. 240; p. 709.
- Vehicle direction-indicator. J. Kaltenbach. No. 1,212,070; Jan. 9; v. 234; p. 615.
- Vehicle direction-indicator. H. J. Mibach and R. H. Elder. No. 1,233,886; July 17; v. 240; p. 678.
- Vehicle direction-indicator. W. B. and E. W. Moulton. No. 1,214,058; Jan. 30; v. 234; p. 1402.
- Vehicle direction-indicator, Motor-. L. E. Jones. No. 1,245,731; Nov. 6; v. 244; p. 178.
- Vehicle direction-indicator. A. L. Todd and M. Nelson. No. 1,232,124; July 3; v. 240; p. 200.
- Vehicle direction-indicator and signaling device. R. F. Medicus. No. 1,226,102; May 15; v. 238; p. 778.
- Vehicle direction-indicator, Motor-. E. T. Coleman. No. 1,234,448; July 24; v. 240; p. 1060.

- Vehicle direction-signal. J. H. Cebolt and C. W. Downs. No. 1,240,810; Sept. 18; v. 242; p. 570.
- Vehicle direction-signal, Motor-. J. Anderson, Jr. No. 1,246,375; Nov. 13; v. 244; p. 400.
- Vehicle direction-signal, Motor-. H. O. Johnson. No. 1,218,944; Mar. 13; v. 236; p. 407.
- Vehicle direction-signal, Motor-. K. E. Stoker. No. 1,226,826; May 22; v. 238; p. 1059.
- Vehicle-door construction. A. B. Trott. No. 1,239,986; Sept. 11; v. 242; p. 432.
- Vehicle-doors, Combined handle and lock for. R. Schoell. No. 1,237,103; Aug. 14; v. 241; p. 541.
- Vehicle driving-gear and wheel-mounting, Motor-. T. F. Ledbetter. No. 1,244,512; Oct. 30; v. 243; p. 1093.
- Vehicle driving mechanism, Motor-. C. H. Blomstrom. No. 1,211,531; Jan. 9; v. 234; p. 429.
- Vehicle driving mechanism, Motor-. C. H. Calkins. No. 1,211,673; Jan. 9; v. 234; p. 477.
- Vehicle driving mechanism, Motor-. C. E. Cochran. No. 1,233,846; July 17; v. 240; p. 828.
- Vehicle driving mechanism, Motor-. R. S. Trott. No. 1,247,745; Nov. 27; v. 244; p. 867.
- Vehicle dust, wind, and storm shield. J. J. Fitzpatrick. No. 1,214,292; Jan. 30; v. 234; p. 1482.
- Vehicle, Easy-riding. R. H. Hassler. No. 1,211,843; Jan. 9; v. 234; p. 538.
- Vehicle, Electrically-propelled. T. H. Schoepf. No. 1,250,231; Dec. 18; v. 245; p. 593.
- Vehicle-elevating means. A. Isaacson and V. Bloomberg. No. 1,245,722; Nov. 6; v. 244; p. 175.
- Vehicle-elevator. S. G. Stannard. No. 1,220,702; Mar. 27; v. 236; p. 1085.
- Vehicle extricator, Motor-. O. C. Liles. No. 1,232,342; July 3; v. 240; p. 269.
- Vehicle-fender. H. H. Barr. No. 1,220,930; Mar. 27; v. 236; p. 1161.
- Vehicle-fender. C. M. Cheatham. No. 1,232,220; July 3; v. 240; p. 229.
- Vehicle-fender. F. J. Farrell. No. 1,217,583; Feb. 27; v. 235; p. 1219.
- Vehicle-fender. M. L. Keizur. No. 1,212,497; Jan. 16; v. 234; p. 796.
- Vehicle-fender. W. McConnell. No. 1,249,149; Dec. 4; v. 245; p. 208.
- Vehicle-fender. M. Ostrowiecki. No. 1,232,835; July 10; v. 240; p. 463.
- Vehicle-fender. F. B. Roland and C. D. Chandler. No. 1,212,813; Jan. 16; v. 234; p. 908.
- Vehicle-fender. H. Shihara. No. 1,224,422; May 1; v. 238; p. 111.
- Vehicle fender, Motor-. A. M. Kennedy. No. 1,212,071; Jan. 9; v. 234; p. 616.
- Vehicle, Flexible. R. B. Fageol. No. 1,226,958; May 22; v. 238; p. 1104.
- Vehicle folding-step. E. H. Bradkey. No. 1,244,830; Oct. 30; v. 243; p. 1190.
- Vehicle folding top. J. M. Sharrer. No. 1,215,207; Feb. 6; v. 235; p. 252.
- Vehicle folding top or hood. M. Buch. No. 1,219,806; Mar. 20; v. 236; p. 734.
- Vehicle for tractors and the like, Trailing. A. Feigelson. No. 1,248,300; Nov. 27; v. 244; p. 1025.
- Vehicle for waste material. E. B. Stuart. No. 1,222,337; Apr. 10; v. 237; p. 499.
- Vehicle, Four-wheel motor-driven. E. H. Knight. No. 1,233,372; July 17; v. 240; p. 672.
- Vehicle front-wheel control, Motor-. H. H. Eldredge. No. 1,223,573; Apr. 24; v. 237; p. 1001.
- Vehicle grade-indicator. D. H. Crook. No. 1,229,041; June 5; v. 239; p. 224.
- Vehicle, Hand-propelled. A. F. Englerth. No. 1,236,696; Aug. 14; v. 241; p. 409.
- Vehicle, Hand-propelled. O. Karcher. No. 1,214,475; Jan. 30; v. 234; p. 1543.
- Vehicle-heater. W. L. Blackwell. No. 1,249,306; Dec. 11; v. 245; p. 285.
- Vehicle-heater. W. H. Miller. No. 1,217,110; Feb. 20; v. 235; p. 1008.
- Vehicle heater, Motor-. R. M. Dean. No. 1,250,986; Dec. 25; v. 245; p. 868.
- Vehicle heater, Motor-. R. E. Wardlow. No. 1,229,835; June 12; v. 239; p. 541.
- Vehicle hoist, Dumping-. R. W. Rose. No. 1,226,384; May 15; v. 238; p. 875.
- Vehicle hood or cover. M. Buch. No. 1,219,807; Mar. 20; v. 236; p. 734.
- Vehicle-identifying means. G. Zimmermann. No. 1,247,061; Nov. 20; v. 244; p. 637.
- Vehicle-illuminating device. A. C. Schulz. No. 1,248,930; Dec. 4; v. 245; p. 147.
- Vehicle indicating attachment. C. P. O'Brien. No. 1,216,482; Feb. 20; v. 235; p. 794.
- Vehicle indicating device. R. M. Nicholson. No. 1,227,186; May 22; v. 238; p. 1182.
- Vehicle indicating-signal. W. P. Hammond. (Reissue.) No. 14,367; Sept. 25; v. 242; p. 970.
- Vehicle-indicator. A. L. Arch. No. 1,215,097; Feb. 6; v. 235; p. 216.
- Vehicle-indicator. C. R. Krone. No. 1,222,000; Apr. 10; v. 237; p. 381.
- Vehicle-indicator. E. E. Lawler. No. 1,229,764; June 12; v. 239; p. 517.
- Vehicle-indicator. W. A. Miller. No. 1,239,934; Sept. 11; v. 242; p. 417.
- Vehicle indicator, Motor-. B. M. Takahashi. No. 1,229,167; June 5; v. 239; p. 266.
- Vehicle, Interchangeable. W. M. Schiener. No. 1,230,436; June 19; v. 239; p. 774.
- Vehicle-jack. W. M. Haynie. No. 1,233,467; July 17; v. 240; p. 704.
- Vehicle-jack. P. H. Russell. No. 1,223,618; Apr. 24; v. 237; p. 1017.
- Vehicle-jack. M. Stoudt. No. 1,243,360; Oct. 16; v. 243; p. 671.
- Vehicle jack, Motor-. E. E. Nunn. No. 1,250,341; Dec. 18; v. 245; p. 626.
- Vehicle, Juvenile. M. E. Griswold. No. 1,234,753; July 31; v. 240; p. 1188.
- Vehicle leaf-spring. P. S. Larson. No. 1,235,703; Aug. 7; v. 241; p. 55.
- Vehicle lifter and support. H. C. King. No. 1,247,967; Nov. 27; v. 244; p. 931.
- Vehicle-lifting mechanism. M. E. Jr., and J. L. Jones. No. 1,236,571; Aug. 14; v. 241; p. 367.
- Vehicle-light. G. F. Deady and G. H. Holland. No. 1,230,080; June 12; v. 239; p. 619.
- Vehicle-light. G. F. Deady and G. H. Holland. No. 1,235,663; Aug. 7; v. 241; p. 43.
- Vehicle-light. E. W. Schurman. No. 1,217,644; Feb. 27; v. 235; p. 1242.
- Vehicle-light controller. H. A. Fleming. No. 1,238,121; Aug. 28; v. 241; p. 935.
- Vehicle lighting and signaling system. W. G. Milligan. No. 1,218,292; Mar. 6; v. 236; p. 142.
- Vehicle lighting and signaling system. J. A. Toppling. No. 1,228,263; May 29; v. 238; p. 1569.
- Vehicle-lighting system. G. G. Stewart. No. 1,212,836; Jan. 16; v. 234; p. 916.
- Vehicle load-compensator, Motor-. J. T. McCrosson. No. 1,244,752; Oct. 30; v. 243; p. 1166.
- Vehicle-lock. D. A. McDermott. No. 1,228,123; May 20; v. 238; p. 1526.
- Vehicle lock, Motor-. D. J. Nutt. No. 1,216,351; Feb. 20; v. 235; p. 747.
- Vehicle lock, Motor-. A. Ozerowicz. No. 1,249,471; Dec. 11; v. 245; p. 331.
- Vehicle lock, Motor-. B. F. and C. D. Rousseau. No. 1,220,462; Mar. 27; v. 236; p. 1004.
- Vehicle-locking device. E. C. Suggs. No. 1,248,200; Nov. 27; v. 244; p. 995.
- Vehicle-locking device, Motor-. J. H. All. No. 1,250,122; Dec. 18; v. 245; p. 559.
- Vehicle-locking device, Motor-. E. P. Baird. No. 1,215,465; Feb. 13; v. 235; p. 376.
- Vehicle-locking device, Motor-. R. A. Gulden. No. 1,218,856; Mar. 13; v. 236; p. 378.
- Vehicle-locking device, Motor-. A. G. Neville. No. 1,226,241; May 15; v. 238; p. 826.
- Vehicle-locking device, Motor-. C. J. and A. J. Ouellet. No. 1,211,217; Jan. 2; v. 234; p. 288.
- Vehicle-locking device, Motor-. W. W. Sabin. No. 1,215,871; Feb. 13; v. 235; p. 524.
- Vehicle-locking mechanism, Motor-. M. L. Taylor. No. 1,224,041; Apr. 24; v. 237; p. 1163.
- Vehicle, Manually-operated. W. C. Whitt. No. 1,232,416; July 3; v. 240; p. 291.
- Vehicle, Manually-propelled. J. B. Felicetti. No. 1,222,613; Apr. 17; v. 237; p. 638.
- Vehicle, Motor-. P. G. Allendorf. No. 1,211,907; Jan. 9; v. 234; p. 561.
- Vehicle, Motor-. O. E. Barthel. No. 1,234,854; July 31; v. 240; p. 1218.
- Vehicle, Motor-. W. H. Beatty. No. 1,210,754; Jan. 2; v. 234; p. 129.
- Vehicle, Motor-. W. E. and H. L. Bock. No. 1,226,632; May 22; v. 238; p. 993.
- Vehicle, Motor-. C. E. Broad. No. 1,237,463; Aug. 21; v. 241; p. 692.
- Vehicle, Motor-. T. V. Buckwalter. No. 1,240,417; Sept. 18; v. 242; p. 604.
- Vehicle, Motor-. P. T. Burk. No. 1,242,650; Oct. 9; v. 243; p. 417.
- Vehicle, Motor-. E. Bush. No. 1,240,936; Sept. 25; v. 242; p. 798.
- Vehicle, Motor-. H. D. Church. No. 1,224,522; May 1; v. 238; p. 146.
- Vehicle, Motor-. H. D. Church. No. 1,228,533; June 5; v. 239; p. 55.
- Vehicle, Motor-. H. D. Church. No. 1,234,290; July 24; v. 240; p. 1006.
- Vehicle, Motor-. H. D. Church. No. 1,238,105; Aug. 28; v. 241; p. 929.
- Vehicle, Motor-. H. F. and C. A. Depue. No. 1,225,938; May 15; v. 238; p. 722.
- Vehicle, Motor-. L. H. Donnell. No. 1,241,355; Sept. 25; v. 242; p. 929.
- Vehicle, Motor-. W. L. Fodrea. No. 1,216,975; Feb. 20; v. 235; p. 962.
- Vehicle, Motor-. J. Goblet. No. 1,216,681; Feb. 20; v. 235; p. 862.
- Vehicle, Motor-. R. A. Hankinson. No. 1,247,074; Nov. 27; v. 244; p. 846.
- Vehicle, Motor-. R. Huff. No. 1,218,083; Mar. 6; v. 236; p. 67.
- Vehicle, Motor-. C. W. Kelsey. No. 1,219,007; Mar. 13; v. 236; p. 429.
- Vehicle, Motor-. P. F. Koshollek. No. 1,245,158; Nov. 6; v. 244; p. 5.

Alphabetical list of inventions—Continued.

- Vehicle, Motor-. A. Loomis. No. 1,222,006; Apr. 10; v. 237; p. 382.
- Vehicle, Motor-. A. Loomis. No. 1,239,194; Sept. 4; v. 242; p. 151.
- Vehicle, Motor-. A. Loomis. No. 1,247,299; Nov. 20; v. 244; p. 705.
- Vehicle, Motor-. F. A. Orvis. No. 1,217,813; Feb. 27; v. 235; p. 1298.
- Vehicle, Motor-. D. Parrett. No. 1,231,292; June 26; v. 239; p. 1101.
- Vehicle, Motor-. J. S. Price. No. 1,247,004; Nov. 20; v. 244; p. 621.
- Vehicle, Motor-. G. B. Ridley. No. 1,239,219; Sept. 4; v. 242; p. 160.
- Vehicle, Motor-. D. C. Slaght. No. 1,223,629; Apr. 24; v. 237; p. 1022.
- Vehicle, Motor-. H. C. Smith. No. 1,237,714; Aug. 21; v. 241; p. 774.
- Vehicle, Motor-. H. Stark. No. 1,223,633; Apr. 24; v. 237; p. 1023.
- Vehicle, Motor-. C. B. Steele. No. 1,214,968; Feb. 6; v. 235; p. 170.
- Vehicle, Motor-. W. R. Strickland. No. 1,224,973; May 8; v. 238; p. 353.
- Vehicle, Motor-. W. W. Swan. No. 1,244,001; Oct. 23; v. 243; p. 901.
- Vehicle, Motor-. M. Tibbetts. No. 1,218,719; Mar. 13; v. 236; p. 325.
- Vehicle, Motor-. J. G. Vincent. No. 1,229,682; June 12; v. 239; p. 491.
- Vehicle, Motor-. J. G. Vincent. No. 1,230,450; June 19; v. 239; p. 780.
- Vehicle, Motor-driven. C. H. Brockmann. No. 1,237,288; Aug. 21; v. 241; p. 635.
- Vehicle, Motor-driven. W. E. Bruce. No. 1,242,319; Oct. 9; v. 243; p. 311.
- Vehicle, Motor-driven. C. F. Feltz. No. 1,228,009; May 29; v. 238; p. 1487.
- Vehicle-motor power. L. B. McCargar. No. 1,226,785; May 22; v. 238; p. 1045.
- Vehicle, Motor-propelled. W. E. Rendle. No. 1,213,260; Jan. 23; v. 234; p. 1096.
- Vehicle, Motor road-. R. Booth. No. 1,220,999; Mar. 27; v. 236; p. 1184.
- Vehicle-movement-indicating apparatus. A. W. Olds. No. 1,239,511; Sept. 11; v. 242; p. 280.
- Vehicle mud-guard. W. H. Holland. No. 1,228,211; May 29; v. 238; p. 1563.
- Vehicle mud-guards. Detachable lining for. T. S. Maxwell. No. 1,222,011; Apr. 10; v. 237; p. 384.
- Vehicle name-plate. H. J. Duckgeischel. No. 1,250,151; Dec. 18; v. 245; p. 568.
- Vehicle, Pedal-propelled. C. A. Imlay. No. 1,249,407; Dec. 11; v. 245; p. 313.
- Vehicle-propelling mechanism. A. Boyd. No. 1,211,911; Jan. 9; v. 234; p. 563.
- Vehicle-propelling mechanism. J. E. Noble. No. 1,232,597; July 10; v. 240; p. 384.
- Vehicle propulsion and steering means, Combined. C. A. Monroe. No. 1,246,452; Nov. 13; v. 244; p. 422.
- Vehicle pulling attachment. E. L. Zane. No. 1,219,209; Mar. 13; v. 236; p. 496.
- Vehicle pulling-jack, Motor-. S. C. Hickman. No. 1,243,172; Oct. 16; v. 243; p. 614.
- Vehicle, Racing-. H. D. Clarke. No. 1,214,897; Feb. 6; v. 235; p. 144.
- Vehicle road-track. E. F. Brown. No. 1,225,008; May 8; v. 238; p. 365.
- Vehicle running-gear. D. G. Spencer. No. 1,234,813; July 31; v. 240; p. 1205.
- Vehicle safety-brake, Motor-. I. H. Davis. No. 1,248,630; Dec. 4; v. 245; p. 60.
- Vehicle safety device, Motor-. W. W. Herring. No. 1,236,709; Aug. 14; v. 241; p. 414.
- Vehicle safety-guard. J. Rubenstein. No. 1,218,583; Mar. 6; v. 236; p. 240.
- Vehicle safety-lock. F. W. Dobbel. No. 1,211,925; Jan. 9; v. 234; p. 568.
- Vehicle safety means. M. Schumacher. No. 1,237,104; Aug. 14; v. 241; p. 541.
- Vehicle safety-signal, Power-. W. Murray. No. 1,241,421; Sept. 25; v. 242; p. 949.
- Vehicle safety-stop. J. M. Cunneen. No. 1,237,261; Aug. 14; v. 241; p. 589.
- Vehicle-sander. A. R. Morrissey. No. 1,217,202; Feb. 27; v. 235; p. 1085.
- Vehicle sanding device. H. M. Goehring and C. A. Lindström. No. 1,244,726; Oct. 30; v. 243; p. 1159.
- Vehicle sanding device, Motor-. L. O. Levin. No. 1,244,345; Oct. 23; v. 243; p. 1005.
- Vehicle-seat. W. A. Henderson. No. 1,248,853; Dec. 4; v. 245; p. 126.
- Vehicle-seat. A. C. Hertzfeldt. No. 1,227,437; May 22; v. 238; p. 1262.
- Vehicle-seat. D. D. McPhee and G. C. Jackman. No. 1,249,650; Dec. 11; v. 245; p. 383.
- Vehicle-seat. J. O. Simmers. No. 1,234,402; July 24; v. 240; p. 1044.
- Vehicle-seat. D. Vaughn. No. 1,236,022; Aug. 7; v. 241; p. 162.
- Vehicle-seats, Detachable spring-back for. J. Gabrielse. No. 1,231,148; June 26; v. 239; p. 1054.
- Vehicle-seats, Extension-back for. E. Robideau. No. 1,234,571; July 24; v. 240; p. 1098.
- Vehicle, Self-propelled. W. E. Kawalle. No. 1,231,377; June 26; v. 239; p. 1129.
- Vehicle, Self-propelled. H. R. Kelley. No. 1,223,495; Apr. 24; v. 237; p. 973.
- Vehicle, Self-propelled. C. R. Van Horne. No. 1,219,887; Mar. 20; v. 236; p. 762.
- Vehicle-shifting mechanism. Z. A. Curtis. No. 1,249,598; Dec. 11; v. 245; p. 368.
- Vehicle-shipping device, Motor-. R. E. Baus. No. 1,237,154; Aug. 14; v. 241; p. 555.
- Vehicle-signal. M. Blasius. No. 1,232,190; July 3; v. 240; p. 220.
- Vehicle-signal. S. Boyer. No. 1,219,233; Mar. 13; v. 236; p. 505.
- Vehicle-signal. G. W. Comer. No. 1,237,019; Aug. 14; v. 241; p. 514.
- Vehicle-signal. S. F. Douglass. No. 1,238,750; Sept. 4; v. 242; p. 10.
- Vehicle-signal. G. H. Dudley and H. A. Siegrist. No. 1,238,116; Aug. 28; v. 241; p. 933.
- Vehicle-signal. G. W. Edmond. No. 1,243,824; Oct. 23; v. 243; p. 849.
- Vehicle-signal. A. V. Felten. No. 1,229,922; June 12; v. 239; p. 570.
- Vehicle-signal. H. L. Freehafer. No. 1,243,279; Oct. 16; v. 243; p. 647.
- Vehicle-signal. C. S. Jameson. No. 1,236,566; Aug. 14; v. 241; p. 366.
- Vehicle-signal. M. H. Newman. No. 1,211,215; Jan. 2; v. 234; p. 288.
- Vehicle-signal. H. D. Robbins. No. 1,218,320; Mar. 6; v. 236; p. 151.
- Vehicle-signal. E. H. Roberts. No. 1,250,661; Dec. 18; v. 245; p. 720.
- Vehicle signal apparatus. M. Cummins. No. 1,238,004; Aug. 21; v. 241; p. 864.
- Vehicle signal apparatus, Auto-. T. Kitaoka. No. 1,215,661; Feb. 13; v. 235; p. 451.
- Vehicle signal apparatus, Motor-. P. R. Harsh. No. 1,215,272; Feb. 6; v. 235; p. 275.
- Vehicle signal apparatus, Motor-. M. A. Miller. No. 1,210,966; Jan. 2; v. 234; p. 203.
- Vehicle signal device. C. Shermund. No. 1,223,628; Apr. 24; v. 237; p. 1022.
- Vehicle signal device, Motor-. J. H. Hunt. No. 1,231,361; June 26; v. 239; p. 1124.
- Vehicle signal device, Motor-. O. H. Hunt. No. 1,245,593; Nov. 6; v. 244; p. 137.
- Vehicle signaling device. G. Burgess. No. 1,216,207; Feb. 13; v. 235; p. 645.
- Vehicle signaling device. A. E. D'Harlingue. No. 1,237,486; Aug. 21; v. 241; p. 698.
- Vehicle signaling device. J. H. Ferguson. No. 1,248,641; Dec. 4; v. 245; p. 63.
- Vehicle signaling device. C. T. Harned. No. 1,222,862; Apr. 17; v. 237; p. 724.
- Vehicle signaling device. F. S. Seymour. No. 1,238,348; Aug. 28; v. 241; p. 1010.
- Vehicle signaling device, Motor-. M. J. Dalton. No. 1,213,753; Jan. 23; v. 234; p. 1265.
- Vehicle signaling device, Motor-. B. K. Hall. No. 1,234,157; July 24; v. 240; p. 964.
- Vehicle signaling device, Motor-. M. M. McKinney. No. 1,232,348; July 3; v. 240; p. 271.
- Vehicle signaling device, Road-. C. O. Hall. No. 1,241,373; Sept. 25; v. 242; p. 935.
- Vehicle-speed-controlling apparatus, Motor-. W. G. Lewl. No. 1,212,153; Jan. 9; v. 234; p. 644.
- Vehicle-speed-controlling mechanism, Motor-. J. C. Carpenter. No. 1,233,447; July 17; v. 240; p. 698.
- Vehicle-spring. E. C. Abernethy. No. 1,215,232; Feb. 6; v. 235; p. 261.
- Vehicle-spring. J. H. Banka and J. Whalen. No. 1,216,922; Feb. 20; v. 235; p. 944.
- Vehicle-spring. L. B. Bissell. No. 1,240,929; Sept. 25; v. 242; p. 797.
- Vehicle-spring. P. J. F. Batenburg. No. 1,216,268; Feb. 20; v. 235; p. 718.
- Vehicle-spring. B. E. Blackley. No. 1,211,816; Jan. 9; v. 234; p. 528.
- Vehicle-spring. A. B. Brown. No. 1,245,564; Nov. 6; v. 244; p. 128.
- Vehicle-spring. J. F. Brown and A. Humphreys. No. 1,222,066; Apr. 10; v. 237; p. 402.
- Vehicle-spring. C. E. Clemens and R. K. Johnson. No. 1,239,084; Sept. 4; v. 242; p. 116.
- Vehicle-spring. H. E. Coble. No. 1,230,673; June 19; v. 239; p. 854.
- Vehicle-spring. W. F. Doherty, Jr. No. 1,223,678; Apr. 24; v. 237; p. 1040.
- Vehicle-spring. W. F. Doherty, Jr. No. 1,233,762; July 17; v. 240; p. 800.
- Vehicle-spring. F. H. Hopkins and G. B. Dorey. No. 1,210,941; Jan. 2; v. 234; p. 194.
- Vehicle-spring. N. F. Howe. No. 1,215,156; Feb. 6; v. 235; p. 234.
- Vehicle-spring. E. Matthews. No. 1,225,458; May 8; v. 238; p. 519.
- Vehicle-spring. M. M. McIntyre. No. 1,217,970; Mar. 6; v. 236; p. 29.
- Vehicle-spring. M. M. McIntyre. No. 1,229,109; June 5; v. 239; p. 247.

- Vehicle-spring. M. M. McIntyre. No. 1,234,681; July 24; v. 240; p. 1131.
- Vehicle-spring. M. M. McIntyre. No. 1,238,418; Aug. 28; v. 241; p. 1032.
- Vehicle-spring. L. E. Morrow. No. 1,212,987; Jan. 16; v. 234; p. 969.
- Vehicle-spring. W. J. and A. F. Pine. No. 1,251,099; Dec. 25; v. 245; p. 900.
- Vehicle-spring. S. K. Plank. No. 1,227,307; May 22; v. 238; p. 1222.
- Vehicle-spring. D. R. Raymond. No. 1,210,839; Jan. 2; v. 234; p. 158.
- Vehicle-spring. P. L. Rookledge. No. 1,212,690; Jan. 16; v. 234; p. 867.
- Vehicle-spring. J. M. Sanders. No. 1,247,578; Nov. 20; v. 244; p. 784.
- Vehicle-spring. C. G. Smith. No. 1,223,631; Apr. 24; v. 237; p. 1022.
- Vehicle-spring. A. B. Sutzer. No. 1,236,785; Aug. 14; v. 241; p. 439.
- Vehicle-spring. P. L. Titus. No. 1,221,109; Apr. 3; v. 237; p. 36.
- Vehicle-spring. R. S. Trott. No. 1,247,746; Nov. 27; v. 244; p. 868.
- Vehicle-spring. J. F. Welch. No. 1,214,246; Jan. 30; v. 234; p. 1465.
- Vehicle spring and frame-supporter, Motor-. J. Dottl. No. 1,225,115; May 8; v. 238; p. 401.
- Vehicle spring-gear. W. A. Hauer. No. 1,232,031; July 3; v. 240; p. 167.
- Vehicle-spring jack. G. P. Markwardt. No. 1,239,499; Sept. 11; v. 242; p. 277.
- Vehicle, Spring-motor-driven. A. E. Gephart. No. 1,217,935; Mar. 6; v. 236; p. 17.
- Vehicle spring-mounting. C. H. Biederman. No. 1,235,643; Aug. 7; v. 241; p. 37.
- Vehicle-spring mounting. F. H. Headley. No. 1,245,339; Nov. 6; v. 244; p. 59.
- Vehicle-spring mounting. A. E. Mueller. No. 1,228,470; June 5; v. 239; p. 33.
- Vehicle-spring mounting. E. B. Towler. No. 1,225,288; May 8; v. 238; p. 458.
- Vehicle-spring. Self-lubricating. A. J. Dilley. No. 1,240,322; Sept. 18; v. 242; p. 574.
- Vehicle-spring shackle. J. J. Crawford. No. 1,219,259; Mar. 13; v. 236; p. 513.
- Vehicle spring-shackle. E. M. Staples. No. 1,222,248; Apr. 10; v. 237; p. 468.
- Vehicle spring-support, Motor-. C. O. Gest. No. 1,239,901; Sept. 11; v. 242; p. 407.
- Vehicle-spring-supporting device. A. J. L. Lassen. No. 1,226,225; May 15; v. 238; p. 820.
- Vehicle spring suspension. N. L. Olson. No. 1,233,903; July 17; v. 240; p. 846.
- Vehicle spring suspension. F. Richard. No. 1,251,104; Dec. 25; v. 245; p. 901.
- Vehicle spring suspension. J. Robinson. No. 1,234,490; July 24; v. 240; p. 1073.
- Vehicle spring suspension. R. S. Trott. No. 1,218,819; Mar. 13; v. 236; p. 363.
- Vehicle spring suspension. R. S. Trott. No. 1,221,248; Apr. 3; v. 237; p. 87.
- Vehicle spring suspension. R. S. Trott. No. 1,247,749; Nov. 27; v. 244; p. 868.
- Vehicle-spring system. J. T. Gregory. No. 1,232,680; July 10; v. 240; p. 412.
- Vehicle-stabilizer. H. Hess. No. 1,222,401; Apr. 10; v. 237; p. 522.
- Vehicle stabilizer, Dumping-. J. G. Winsor. No. 1,245,651; Nov. 6; v. 244; p. 155.
- Vehicle stabilizer, Motor-. H. R. Reynolds and F. C. Beebe. No. 1,231,066; June 26; v. 239; p. 1026.
- Vehicle-stake holder. F. M. Lay. No. 1,225,145; May 8; v. 238; p. 411.
- Vehicle-starting mechanism, Motor-. C. B. Mills. No. 1,248,524; Dec. 4; v. 245; p. 28.
- Vehicle-steering-aid attachment, Motor-. W. A. Frederick. No. 1,212,160; Jan. 9; v. 234; p. 647.
- Vehicle steering and driving wheel, Motor-. R. H. Rosenberg. No. 1,211,238; Jan. 2; v. 234; p. 297.
- Vehicle steering device. W. H. Appleman. No. 1,243,379; Oct. 16; v. 243; p. 676.
- Vehicle-steering device, Drawn-. J. Knapp. No. 1,247,410; Nov. 20; v. 244; p. 737.
- Vehicle steering-gear. G. C. Campbell. No. 1,223,766; Apr. 24; v. 237; p. 1070.
- Vehicle steering-gear. A. O. Higinbotham. No. 1,222,290; Apr. 10; v. 237; p. 482.
- Vehicle steering-gear. B. M. Steele. No. 1,243,889; Oct. 23; v. 243; p. 869.
- Vehicle-steering-gear-locking means, Motor-. O. W. G. Holmgren. No. 1,249,755; Dec. 11; v. 245; p. 414.
- Vehicle steering-gear, Motor-. I. D. Perry. No. 1,217,104; Feb. 20; v. 235; p. 1006.
- Vehicle steering-gear, Motor-. P. J. Smith. No. 1,228,980; June 5; v. 239; p. 204.
- Vehicle steering mechanism, Motor-. J. B. Compton. No. 1,217,155; Feb. 27; v. 235; p. 1069.
- Vehicle steering mechanism, Motor-. T. B. and W. C. Peterson. No. 1,224,869; May 1; v. 238; p. 266.
- Vehicle steering mechanism, Motor-. M. Walter. No. 1,248,580; Dec. 4; v. 245; p. 46.
- Vehicle steering mechanism, Safety appliance for motor-. C. A. Stapleton. No. 1,226,138; May 15; v. 238; p. 790.
- Vehicle steering-wheels, Locking means for. A. H. Sturges. No. 1,226,720; May 22; v. 238; p. 1022.
- Vehicle-step support. F. E. Griffith. No. 1,238,136; Aug. 28; v. 241; p. 940.
- Vehicle stepping mechanism. O. A. Johnson. No. 1,232,689; July 10; v. 240; p. 415.
- Vehicle stop-signal. M. W. Arndt and A. W. Sanford. No. 1,251,322; Dec. 25; v. 245; p. 966.
- Vehicle storm-hood. F. B. Hull. No. 1,236,439; Aug. 14; v. 241; p. 324.
- Vehicle supplementary spring. H. F. Benner. No. 1,236,042; Aug. 7; v. 241; p. 168.
- Vehicle suspension. C. F. Freihofer. No. 1,244,312; Oct. 23; v. 243; p. 996.
- Vehicle suspension. E. Koeb. No. 1,220,431; Mar. 27; v. 236; p. 992.
- Vehicle suspension. B. Liebowitz. No. 1,240,992; Sept. 25; v. 242; p. 814.
- Vehicle suspension. W. R. Williams. No. 1,211,513; Jan. 9; v. 234; p. 423.
- Vehicle suspension and shock-absorber. F. O. Boswell. No. 1,228,644; June 5; v. 239; p. 91.
- Vehicle suspension and shock-absorber. F. O. Boswell. No. 1,243,694; Oct. 23; v. 243; p. 804.
- Vehicle suspension, Compensating device for. R. Guillery. No. 1,214,912; Feb. 6; v. 235; p. 150.
- Vehicle suspension, Road-. W. G. Charley. No. 1,226,468; May 15; v. 238; p. 902.
- Vehicle suspension, Springless or floating. G. Bravi. No. 1,229,708; June 12; v. 239; p. 498.
- Vehicle tail-light and number-plate, Motor-. J. T. Lisonbee. No. 1,233,677; July 17; v. 240; p. 774.
- Vehicle, Three-wheeled. L. H. Lloyd. No. 1,248,354; Nov. 27; v. 244; p. 1039.
- Vehicle-top. W. P. Dorl. No. 1,211,107; Jan. 2; v. 234; p. 251.
- Vehicle-top. G. B. Dowden. No. 1,247,243; Nov. 20; v. 244; p. 691.
- Vehicle-top. H. E. Edwards. No. 1,210,439; Jan. 2; v. 234; p. 21.
- Vehicle-top. W. J. Hoskyns. No. 1,230,580; June 19; v. 239; p. 825.
- Vehicle-top. W. A. Hunter. No. 1,231,892; July 3; v. 240; p. 120.
- Vehicle-top. J. W. Russell. No. 1,249,208; Dec. 4; v. 245; p. 225.
- Vehicle-top. W. H. Schlott and A. G. Hoefflinger. No. 1,233,405; July 17; v. 240; p. 684.
- Vehicle-top. G. W. Scott. No. 1,223,429; Apr. 24; v. 237; p. 950.
- Vehicle-top. W. W. Stoler. No. 1,231,962; July 3; v. 240; p. 143.
- Vehicle-top. F. L. Tesmer. No. 1,246,352; Nov. 13; v. 244; p. 392.
- Vehicle-top. M. F. Wildau. No. 1,225,384; May 8; v. 238; p. 493.
- Vehicle-top, Automatic. R. A. Kauffman. No. 1,226,079; May 15; v. 238; p. 771.
- Vehicle-top frame. E. L. Kunz. No. 1,233,586; July 17; v. 240; p. 745.
- Vehicle-top-iron support. J. Ledwinka. No. 1,214,932; Feb. 6; v. 235; p. 158.
- Vehicle top, Motor-. J. C. Hickinbotham. No. 1,248,116; Nov. 27; v. 244; p. 972.
- Vehicle-top, One-man. W. H. Bates. No. 1,243,687; Oct. 23; v. 243; p. 802.
- Vehicle-top support. C. R. Allen. No. 1,244,402; Oct. 23; v. 243; p. 1022.
- Vehicle-tops, Curtain-light for. L. Buob, Sr. No. 1,242,108; Oct. 2; v. 243; p. 203.
- Vehicle-tops, Folding bow for. J. J. Borke. No. 1,235,874; Aug. 7; v. 241; p. 113.
- Vehicle torsion-arm. A. D. Smith. No. 1,213,031; Jan. 16; v. 234; p. 984.
- Vehicle, Traction-. L. S. Hackney. No. 1,230,402; June 19; v. 239; p. 763.
- Vehicle, Traction-. L. S. Hackney and J. Froelich. No. 1,219,637; Mar. 20; v. 236; p. 675.
- Vehicle, Traction-. F. W. Mitchell. No. 1,236,738; Aug. 14; v. 241; p. 423.
- Vehicle, Tractor-. E. Harwood. No. 1,246,742; Nov. 13; p. 244; p. 508.
- Vehicle-traffic-directing signal. C. A. Singer. No. 1,240,380; Sept. 18; v. 242; p. 592.
- Vehicle-trailer. W. T. Shaver. No. 1,234,224; July 24; v. 240; p. 985.
- Vehicle-trailer. P. J. Wepplo. No. 1,213,440; Jan. 23; v. 234; p. 1159.
- Vehicle trailer, Road-. H. H. Gregory. No. 1,237,507; Aug. 21; v. 241; p. 706.
- Vehicle, Trailing. N. Milner. No. 1,234,788; July 31; v. 240; p. 1198.
- Vehicle transmission and clutch mechanism, Motor-. R. A. Beckwith. No. 1,222,715; Apr. 17; v. 237; p. 674.
- Vehicle transmission-gearing, Motor-. W. B. Goodwin. No. 1,212,627; Jan. 16; v. 324; p. 843.
- Vehicle-washer. S. M. McLaughlin and H. A. Gainer. No. 1,210,962; Jan. 2; v. 234; p. 202.
- Vehicle-wheel. J. J. Adams. No. 1,239,658; Sept. 11; v. 242; p. 327.

Alphabetical list of inventions—Continued.

- Vehicle-wheel. L. Anderson. No. 1,233,161; July 10; v. 240; p. 569.
- Vehicle-wheel. B. W. Bass. No. 1,247,360; Nov. 20; v. 244; p. 722.
- Vehicle-wheel. W. C. Beckwith. No. 1,243,130; Oct. 16; v. 243; p. 602.
- Vehicle-wheel. A. Bohlin. No. 1,219,369; Mar. 13; v. 236; p. 552.
- Vehicle-wheel. P. F. Broderick and J. H. Harter. No. 1,216,937; Feb. 20; v. 235; p. 949.
- Vehicle-wheel. R. S. Bryant. No. 1,238,741; Sept. 4; v. 242; p. 7.
- Vehicle-wheel. W. H. Burritt. No. 1,211,076; Jan. 2; v. 234; p. 241.
- Vehicle-wheel. W. J. Busse. No. 1,222,356; Apr. 10; v. 237; p. 506.
- Vehicle-wheel. H. B. Coats. No. 1,216,076; Feb. 13; v. 235; p. 599.
- Vehicle-wheel. H. F. Cox and M. V. Powell. No. 1,219,258; Mar. 13; v. 236; p. 513.
- Vehicle-wheel. L. Cygon. No. 1,211,096; Jan. 2; v. 234; p. 247.
- Vehicle-wheel. H. C. Dauphinais. No. 1,215,124; Feb. 6; v. 235; p. 223.
- Vehicle-wheel. F. R. de Dampierre and J. Gonzalo. No. 1,222,538; Apr. 10; v. 237; p. 571.
- Vehicle-wheel. J. H. Dwork. No. 1,217,724; Feb. 27; v. 235; p. 1268.
- Vehicle-wheel. C. F. Erickson. No. 1,251,358; Dec. 25; v. 245; p. 977.
- Vehicle-wheel. F. A. Frommann. No. 1,233,462; July 17; v. 240; p. 703.
- Vehicle-wheel. F. A. Frommann. No. 1,250,158; Dec. 18; v. 245; p. 570.
- Vehicle-wheel. F. A. Frommann. No. 1,250,159; Dec. 18; v. 245; p. 571.
- Vehicle-wheel. G. S. Gallagher and G. Schadee. No. 1,215,924; Feb. 13; v. 235; p. 543.
- Vehicle-wheel. E. Gasper. No. 1,221,721; Apr. 3; v. 237; p. 249.
- Vehicle-wheel. M. B. Giberson. No. 1,232,275; July 3; v. 240; p. 247.
- Vehicle-wheel. W. W. Gillespie. No. 1,233,867; July 17; v. 240; p. 834.
- Vehicle-wheel. G. G. Griffin. No. 1,244,193; Oct. 23; v. 243; p. 958.
- Vehicle-wheel. O. J. Hackbarth. No. 1,223,785; Apr. 24; v. 237; p. 1077.
- Vehicle-wheel. A. N. Hinckley. No. 1,246,269; Nov. 13; v. 244; p. 367.
- Vehicle-wheel. W. R. Hopson. No. 1,249,627; Dec. 11; v. 245; p. 376.
- Vehicle-wheel. L. U. Hurlburt. No. 1,247,684; Nov. 27; v. 244; p. 849.
- Vehicle-wheel. W. J. Jones. No. 1,225,967; May 15; v. 238; p. 731.
- Vehicle-wheel. G. W. Kitterman. No. 1,246,756; Nov. 13; v. 244; p. 512.
- Vehicle-wheel. F. C. Kummerow. No. 1,245,357; Nov. 6; v. 244; p. 64.
- Vehicle-wheel. M. Lachman. No. 1,215,554; Feb. 13; v. 235; p. 410.
- Vehicle-wheel. T. E. Murray. No. 1,212,798; Jan. 16; v. 234; p. 904.
- Vehicle-wheel. T. E. Murray. No. 1,212,799; Jan. 16; v. 234; p. 904.
- Vehicle-wheel. T. E. Murray. No. 1,230,016; June 12; v. 239; p. 598.
- Vehicle-wheel. P. Nurse. No. 1,233,901; July 17; v. 240; p. 846.
- Vehicle-wheel. J. F. O'Connor. No. 1,220,535; Mar. 27; v. 236; p. 1029.
- Vehicle-wheel. M. O'Connor. No. 1,226,362; May 15; v. 238; p. 868.
- Vehicle-wheel. N. L. Olson. No. 1,243,863; Oct. 23; v. 243; p. 860.
- Vehicle-wheel. M. C. Overman. No. 1,223,725; Apr. 24; v. 237; p. 1055.
- Vehicle-wheel. A. Owen. No. 1,222,981; Apr. 17; v. 237; p. 764.
- Vehicle-wheel. O. A. Parker. No. 1,216,161; Feb. 13; v. 235; p. 630.
- Vehicle-wheel. O. A. Parker. No. 1,227,651; May 29; v. 238; p. 1365.
- Vehicle-wheel. W. S. Price. No. 1,242,237; Oct. 9; v. 243; p. 285.
- Vehicle-wheel. M. Prieto, A. Teresa, and M. Goizueta. No. 1,233,126; July 10; v. 240; p. 557.
- Vehicle-wheel. J. V. Pugh and W. Blair. No. 1,234,387; July 24; v. 240; p. 1039.
- Vehicle-wheel. A. L. Putnam. No. 1,249,826; Dec. 11; v. 245; p. 436.
- Vehicle-wheel. C. L. Redfield. No. 1,235,243; July 31; v. 240; p. 1338.
- Vehicle-wheel. T. Rhodus. No. 1,230,220; June 19; v. 239; p. 705.
- Vehicle-wheel. J. E. Rogers. No. 1,245,513; Nov. 6; v. 244; p. 112.
- Vehicle-wheel. F. M. Ross. No. 1,215,709; Feb. 13; v. 235; p. 468.
- Vehicle-wheel. J. C. Schleicher. No. 1,225,181; May 8; v. 238; p. 423.
- Vehicle-wheel. E. C. Sendelbach. No. 1,231,304; June 26; v. 239; p. 1105.
- Vehicle-wheel. D. Shumway. No. 1,249,678; Dec. 11; v. 245; p. 391.
- Vehicle-wheel. C. Simonton and G. W. Maphet. No. 1,244,554; Oct. 30; v. 243; p. 1107.
- Vehicle-wheel. J. R. Smith. No. 1,215,885; Feb. 13; v. 235; p. 529.
- Vehicle-wheel. V. A. Staser. No. 1,247,591; Nov. 20; v. 244; p. 788.
- Vehicle-wheel. A. D. Teare. No. 1,244,002; Oct. 23; v. 243; p. 902.
- Vehicle-wheel. S. Thomas. No. 1,224,429; May 1; v. 238; p. 114.
- Vehicle-wheel. C. B. Van Horn. No. 1,226,421; May 15; v. 238; p. 888.
- Vehicle-wheel. F. C. Vogler. No. 1,242,278; Oct. 9; v. 243; p. 297.
- Vehicle-wheel. H. Weiner. No. 1,235,621; Aug. 7; v. 241; p. 30.
- Vehicle-wheel. J. M. Woods. No. 1,241,805; Oct. 2; v. 243; p. 107.
- Vehicle-wheel. W. Wright. No. 1,247,199; Nov. 20; v. 244; p. 677.
- Vehicle wheel and tire. F. H. Field. No. 1,222,614; Apr. 17; v. 237; p. 638.
- Vehicle-wheel, Detachable. R. A. Penrose. No. 1,236,477; Aug. 14; v. 241; p. 336.
- Vehicle-wheel, Demountable. T. E. Murray and A. V. A. McHarg. No. 1,219,133; Mar. 13; v. 236; p. 471.
- Vehicle-wheel, Demountable. A. L. Putnam. No. 1,249,827; Dec. 11; v. 245; p. 436.
- Vehicle-wheel, Elastic. J. Obermeier. No. 1,213,774; Jan. 23; v. 234; p. 1272.
- Vehicle-wheel, Metal. T. E. Murray. No. 1,212,800; Jan. 16; v. 234; p. 904.
- Vehicle-wheel, Metal. T. E. Murray. No. 1,212,801; Jan. 16; v. 234; p. 904.
- Vehicle-wheel, Metal. T. E. Murray. No. 1,212,803; Jan. 16; v. 234; p. 905.
- Vehicle-wheel, Metal. T. E. Murray. No. 1,220,768; Mar. 27; v. 236; p. 1107.
- Vehicle-wheel, Metal. T. E. Murray. No. 1,220,769; Mar. 27; v. 236; p. 1107.
- Vehicle-wheel, Metal. T. E. Murray. No. 1,223,088; Apr. 17; v. 237; p. 802.
- Vehicle-wheel, Metal. T. E. Murray. No. 1,227,178; May 22; v. 238; p. 1180.
- Vehicle-wheel, Pneumatic. A. W. Eckhardt. No. 1,251,357; Dec. 25; v. 245; p. 976.
- Vehicle-wheel, Pneumatic. L. Mayolino. No. 1,214,811; Feb. 6; v. 235; p. 113.
- Vehicle-wheel, Reinforced and protected wooden. A. L. Putnam. No. 1,245,269; Nov. 6; v. 244; p. 38.
- Vehicle-wheel, Resilient. A. A. Bender. No. 1,224,060; Apr. 24; v. 237; p. 1170.
- Vehicle-wheel, Resilient. W. R. Hopson. No. 1,221,053; Apr. 3; v. 237; p. 17.
- Vehicle-wheel, Resilient. J. F. O'Connor. No. 1,220,534; Mar. 27; v. 236; p. 1028.
- Vehicle-wheel, Spring. W. Rulison. No. 1,222,998; Apr. 17; v. 237; p. 770.
- Vehicle wind-shield. J. H. Berry. No. 1,217,265; Feb. 27; v. 235; p. 1105.
- Vehicle wind-shield. W. A. Henderson. No. 1,248,855; Dec. 4; v. 245; p. 127.
- Vehicle wind-shield. E. B. Hess. No. 1,244,853; Oct. 30; v. 243; p. 1196.
- Vehicles, &c., Accelerator-protector for motor-. J. T. Parker. No. 1,247,996; Nov. 27; v. 244; p. 940.
- Vehicles, Air-cushion device for. R. V. Hayes. No. 1,220,630; Mar. 27; v. 236; p. 1061.
- Vehicles and the like, Cage for motor-. J. C. Seymour. No. 1,236,773; Aug. 14; v. 241; p. 435.
- Vehicles and the like, Top for. M. Buch. No. 1,219,805; Mar. 20; v. 236; p. 734.
- Vehicles and the like, Top for motor-. M. Buch. No. 1,221,669; Apr. 3; v. 237; p. 231.
- Vehicles, Antirolling device for motor and other. M. M. Brophy. No. 1,229,577; June 12; v. 239; p. 456.
- Vehicles, Antivibration device for. E. V. Hartford. No. 1,250,452; Dec. 18; v. 245; p. 658.
- Vehicles, Apparatus for storing and transporting. J. M. Daly. No. 1,250,982; Dec. 25; v. 245; p. 867.
- Vehicles, Attachment for front axles of motor-. S. W. Grayson. No. 1,249,069; Dec. 4; v. 245; p. 186.
- Vehicles, Automatic equalizer for. J. L. Chesnutt. No. 1,241,494; Oct. 2; v. 243; p. 6.
- Vehicles, Automatic fender for motor-. A. A. Roth. No. 1,216,845; Feb. 20; v. 235; p. 918.
- Vehicles, Auxiliary hood for motor-. C. J. Hicks. No. 1,241,974; Oct. 2; v. 243; p. 160.
- Vehicles, Auxiliary transmission for motor-. W. M. Cope-land. No. 1,240,318; Sept. 18; v. 242; p. 573.
- Vehicles, Baby-holding attachment for. E. T. Hale. No. 1,215,652; Feb. 13; v. 235; p. 448.
- Vehicles, Belt attachment for motor-. W. Schluter. No. 1,238,946; Sept. 4; v. 242; p. 72.
- Vehicles, Caterpillar-tread for. G. W. Jory. No. 1,217,007; Feb. 20; v. 235; p. 974.
- Vehicles, Combination brake and block for. J. A. Marenger. No. 1,220,357; Mar. 27; v. 236; p. 966.
- Vehicles, Combined heater and muffler for motor-. D. B. Dovel. No. 1,245,888; Nov. 6; v. 244; p. 226.

- Vehicles, Controlling means for engine-generator-driven. H. Lemp. No. 1,216,237; Feb. 13; v. 235; p. 656.
- Vehicles, Convertible seat and bed structure for. W. F. Boock. No. 1,229,871; June 12; v. 239; p. 554.
- Vehicles, Crank-holding attachment for motor-. J. H. Hunt. No. 1,222,104; Apr. 10; v. 237; p. 416.
- Vehicles, Cushioning-wheel for. L. D. Akers. No. 1,248,775; Dec. 4; v. 245; p. 103.
- Vehicles, Differential gear for motor-. F. Ellwein. No. 1,241,361; Sept. 25; v. 242; p. 931.
- Vehicles, Differential mechanism or equalizing-gearing for motor-driven. A. W. Farrell. No. 1,240,551; Sept. 18; v. 242; p. 644.
- Vehicles, Direction-indicating apparatus for motor-. E. H. France. No. 1,222,379; Apr. 10; v. 237; p. 514.
- Vehicles, Drive-wheel construction for motor-. C. H. Taylor and B. B. Neuteboom. No. 1,226,276; May 15; v. 238; p. 841.
- Vehicles, Driving and steering gear for self-propelled. G. Weinreich. No. 1,248,224; Nov. 27; v. 244; p. 1002.
- Vehicles, Driving-gearing for. A. W. Hall. No. 1,230,153; June 19; v. 239; p. 681.
- Vehicles, Electric starting and lighting system for motor-. A. E. Doman. No. 1,247,649; Nov. 27; v. 244; p. 837.
- Vehicles, Electric system for. R. H. Manson. No. 1,215,676; Feb. 13; v. 235; p. 456.
- Vehicles, Electrically-operated speed-limiting device for motor-. H. M. Kammerhoff. No. 1,248,130; Nov. 27; v. 244; p. 976.
- Vehicles, Equalizing spring suspension for. J. Sandy. No. 1,236,767; Aug. 14; v. 241; p. 434.
- Vehicles, Extension for. N. L. Olson. No. 1,243,864; Oct. 23; v. 243; p. 860.
- Vehicles, Extension for. N. L. Olson. No. 1,247,993; Nov. 27; v. 244; p. 939.
- Vehicles, Fore-wheel drive for motor-. W. M. Green. No. 1,215,143; Feb. 6; v. 235; p. 230.
- Vehicles, Fuel cut-off for motor-. W. J. Frew. No. 1,213,859; Jan. 30; v. 234; p. 1333.
- Vehicles, Gas-saver attachment for motor-. J. H. Miner. No. 1,224,774; May 1; v. 238; p. 234.
- Vehicles, Gear-shift lock for motor-. G. C. Jensen. No. 1,233,788; July 17; v. 240; p. 809.
- Vehicles, Gripping device for manually-propelled. J. Ney. No. 1,239,509; Sept. 11; v. 242; p. 280.
- Vehicles having electric transmission, Controller-operating device for. W. C. Baker. No. 1,232,478; July 10; v. 240; p. 347.
- Vehicles, Heater for motor-driven. C. S. Pelton. No. 1,248,903; Dec. 4; v. 245; p. 140.
- Vehicles, Hitch for trailing. E. Mowry. No. 1,226,687; May 22; v. 238; p. 1011.
- Vehicles, Hydraulic hoist for dumping-. J. Schwister. No. 1,223,741; Apr. 24; v. 237; p. 1061.
- Vehicles in cars, Mechanism for transporting. J. M. Daly. No. 1,243,141; Oct. 16; v. 243; p. 605.
- Vehicles, Intersteering connection for flexible. R. B. Fageol. No. 1,226,961; May 22; v. 238; p. 1105.
- Vehicles, Lever-locking means for motor-. J. T. Donovan and J. A. Tighe. No. 1,222,085; Apr. 10; v. 237; p. 409.
- Vehicles, License-display device for. L. V. Pelton. No. 1,250,644; Dec. 18; v. 245; p. 715.
- Vehicles, Life-guard for attachment to motor and other. D. Walter and A. W. Lee. No. 1,229,554; June 12; v. 239; p. 448.
- Vehicles, Life-guard for motor-. L. Loeb. No. 1,230,911; June 26; v. 239; p. 971.
- Vehicles, Lifting device for motor-. O. Cargill. No. 1,220,397; Mar. 27; v. 236; p. 980.
- Vehicles, Means for fastening springs to. W. H. Miller. No. 1,219,981; Mar. 20; v. 236; p. 795.
- Vehicles, Mechanism for facilitating the instruction of drivers of self-propelled. J. G. Torr. No. 1,240,629; Sept. 18; v. 242; p. 667.
- Vehicles, Movable step for. H. Dunderdale. No. 1,239,892; Sept. 11; v. 242; p. 404.
- Vehicles, Movement-controlling mechanism for power-driven. J. Culton. No. 1,241,711; Oct. 2; v. 243; p. 77.
- Vehicles, Number-illuminating device for motor-. R. J. Meitner. No. 1,240,470; Sept. 18; v. 242; p. 621.
- Vehicles, Pneumatic equalizer for. J. L. Chesnutt. No. 1,244,700; Oct. 30; v. 243; p. 1150.
- Vehicles, Portable track device for motor-. J. M. Maher. No. 1,222,781; Apr. 17; v. 237; p. 696.
- Vehicles, Power-delivering attachment for motor-. E. R. Armstrong. No. 1,223,465; Apr. 24; v. 237; p. 962.
- Vehicles, Power-indicator for. H. H. Welch. No. 1,240,273; Sept. 18; v. 242; p. 558.
- Vehicles, Power-transmission attachment for motor-. L. C. Newcomb and E. E. Otto. No. 1,235,719; Aug. 7; v. 241; p. 60.
- Vehicles, Power-transmitting mechanism for motor-. W. E. Lape. No. 1,235,817; Aug. 7; v. 241; p. 94.
- Vehicles, Pulling device for motor-. W. Sartain. No. 1,226,815; May 22; v. 238; p. 1056.
- Vehicles, Reach structure for. A. Thompson. No. 1,223,446; Apr. 24; v. 237; p. 955.
- Vehicles, Runner attachment for. H. H. Leclair. No. 1,225,444; May 8; v. 238; p. 514.
- Vehicles, Runner attachment for. M. Thielges. No. 1,251,445; Dec. 25; v. 245; p. 1001.
- Vehicles, Runner attachment for motor-. G. D. Agostino. No. 1,214,437; Jan. 30; v. 234; p. 1531.
- Vehicles, Sanding device for. H. A. Alheit and J. A. Boyken. No. 1,235,410; July 31; v. 240; p. 1388.
- Vehicles, Seat-board for. O. C. Whitten. No. 1,216,755; Feb. 20; v. 235; p. 889.
- Vehicles, Seating for. A. M. Dean. No. 1,239,166; Sept. 4; v. 242; p. 143.
- Vehicles, Signal device for. H. M. Addison. No. 1,251,165; Dec. 25; v. 245; p. 920.
- Vehicles, Signal device for. J. J. Lanahan. No. 1,247,845; Nov. 27; v. 244; p. 897.
- Vehicles, Signal device for road-. H. Wilke. No. 1,248,229; Nov. 27; v. 244; p. 1004.
- Vehicles, Signal-director for. W. Southern. No. 1,232,115; July 3; v. 240; p. 196.
- Vehicles, Sled-runner for wheeled. A. R. Zimmerman. No. 1,215,091; Feb. 6; v. 235; p. 214.
- Vehicles, Sleigh-runner attachment for wheeled. L. W. Kausch. No. 1,214,685; Feb. 6; v. 235; p. 72.
- Vehicles, Springing of. A. J. Adams. No. 1,214,254; Jan. 30; v. 234; p. 1468.
- Vehicles, Storage-locker for motor-. C. J. Cutler. No. 1,232,232; July 3; v. 240; p. 233.
- Vehicles, Theft-indicating mechanism for motor-. C. W. Folsom. No. 1,239,780; Sept. 11; v. 242; p. 367.
- Vehicles, Tractor attachment for. H. H. Damman. No. 1,251,344; Dec. 25; v. 245; p. 973.
- Vehicles, Trailer attachment for. S. B. Winn. No. 1,249,705; Dec. 11; v. 245; p. 400.
- Vehicles, Transmission-control device for motor-. J. Shannon. No. 1,215,206; Feb. 6; v. 235; p. 252.
- Vehicles, Transmission for motor-. J. H. Smith. No. 1,212,577; Jan. 16; v. 234; p. 825.
- Vehicles, Transmission for motor-driven. A. E. Jern. No. 1,238,778; Sept. 4; v. 242; p. 18.
- Vehicles, Transmission mechanism for motor-. E. C. Cooper. No. 1,246,236; Nov. 13; v. 244; p. 357.
- Vehicles, Transmission mechanism for motor-driven. P. J. F. Batenburg. No. 1,219,529; Mar. 20; v. 236; p. 637.
- Veil. K. Koelsch. No. 1,241,858; Oct. 2; v. 243; p. 124.
- Veil-clasp. S. A. Pearsall. No. 1,223,608; Apr. 24; v. 237; p. 1013.
- Velocipede. W. J. Beach. No. 1,222,354; Apr. 10; v. 237; p. 505.
- Velocipede-horse. D. H. Markmann. No. 1,217,198; Feb. 27; v. 235; p. 1083.
- Velocity-equalizing apparatus. F. N. Connet. No. 1,250,434; Dec. 18; v. 245; p. 654.
- Velvet, cord, and like pile cutting device. J. T. Thomason. No. 1,222,495; Apr. 10; v. 237; p. 555.
- Vending and registering machines, Automatic operating means for ticket. A. J. Meier and W. L. Swift. No. 1,215,178; Feb. 6; v. 235; p. 242.
- Vending apparatus. G. Kern. No. 1,225,970; May 15; v. 238; p. 732.
- Vending apparatus. G. Kern. No. 1,226,774; May 22; v. 238; p. 1042.
- Vending apparatus. H. Rubenstein. No. 1,222,471; Apr. 10; v. 237; p. 547.
- Vending apparatus, Gasolene-. W. K. Schauweker. No. 1,241,889; Oct. 2; v. 243; p. 135.
- Vending apparatus, Oil-cloth-. R. W. Miller. No. 1,214,209; Jan. 30; v. 234; p. 1451.
- Vending-carton. A. T. Fischer. No. 1,239,094; Sept. 4; v. 242; p. 120.
- Vending device. B. H. Baker. No. 1,219,618; Mar. 20; v. 236; p. 668.
- Vending device. C. E. Bridges. No. 1,240,413; Sept. 18; v. 242; p. 602.
- Vending device. H. C. Jr., and M. Doering. No. 1,246,566; Nov. 13; v. 244; p. 457.
- Vending-machine. A. D. Antoine, A. E. Gebert, and C. C. Travis. No. 1,239,753; Sept. 11; v. 242; p. 358.
- Vending-machine. J. Behrens. No. 1,250,774; Dec. 18; v. 245; p. 754.
- Vending-machine. H. N. Bell. No. 1,250,544; Dec. 18; v. 245; p. 687.
- Vending-machine. H. R. Brown. No. 1,235,765; Aug. 7; v. 241; p. 77.
- Vending-machine. A. H. Bowman and H. D. Deshler. No. 1,250,785; Dec. 18; v. 245; p. 757.
- Vending-machine. E. A. Claus. No. 1,239,884; Sept. 11; v. 242; p. 401.
- Vending-machine. C. H. Davis. No. 1,218,242; Mar. 6; v. 236; p. 124.
- Vending-machine. M. De Cesare. No. 1,211,685; Jan. 9; v. 234; p. 481.
- Vending-machine. T. J. Elder. No. 1,236,827; Aug. 14; v. 241; p. 452.
- Vending-machine. S. Fisher. No. 1,239,375; Sept. 4; v. 242; p. 209.
- Vending-machine. H. Giles. No. 1,247,665; Nov. 27; v. 244; p. 843.
- Vending-machine. H. H. Goldstein. No. 1,217,592; Feb. 27; v. 235; p. 1223.
- Vending-machine. J. K. Goodrich. No. 1,242,681; Oct. 9; v. 243; p. 426.
- Vending-machine. A. D. Grover. No. 1,235,311; July 31; v. 240; p. 1359.
- Vending-machine. J. L. Hackett and W. J. Boll. No. 1,236,163; Aug. 7; v. 241; p. 203.
- Vending-machine. W. Hill. No. 1,233,357; July 17; v. 240; p. 667.

Alphabetical list of inventions—Continued.

- Vending-machine. W. P. Holt. No. 1,240,717; Sept. 18; v. 242; p. 694.
- Vending-machine. C. L. Hughes and C. E. Howard. No. 1,250,179; Dec. 18; v. 245; p. 577.
- Vending-machine. L. V. Kuhn. No. 1,245,928; Nov. 6; v. 244; p. 237.
- Vending-machine. L. J. Linkiewicz. No. 1,237,919; Aug. 21; v. 241; p. 837.
- Vending-machine. L. W. Luellen. No. 1,210,501; Jan. 2; v. 234; p. 43.
- Vending-machine. J. H. Mann, Jr. No. 1,217,616; Feb. 27; v. 235; p. 1231.
- Vending-machine. G. H. Marcopoulos. No. 1,228,799; June 5; v. 239; p. 145.
- Vending-machine. C. A. Melchert. No. 1,219,657; Mar. 20; v. 236; p. 682.
- Vending-machine. R. L. Meyers. No. 1,212,662; Jan. 16; v. 234; p. 856.
- Vending-machine. J. E. Nealy. No. 1,250,487; Dec. 18; v. 245; p. 669.
- Vending-machine. C. E. Osmun. No. 1,217,103; Feb. 20; v. 235; p. 1005.
- Vending-machine. L. M. Parkhurst. No. 1,241,877; Oct. 2; v. 243; p. 131.
- Vending-machine. R. W. Perrin. No. 1,212,674; Jan. 16; v. 234; p. 862.
- Vending-machine. R. W. Perrin. No. 1,246,316; Nov. 13; v. 244; p. 381.
- Vending-machine. T. W. Petersen. No. 1,219,768; Mar. 20; v. 236; p. 720.
- Vending-machine. J. H. Popp. No. 1,219,662; Mar. 20; v. 236; p. 684.
- Vending-machine. C. F. Richardson. No. 1,215,862; Feb. 13; v. 235; p. 521.
- Vending-machine. D. E. Wicks. No. 1,219,363; Mar. 13; v. 236; p. 549.
- Vending-machine, Automatic. C. A. Melchert. No. 1,220,440; Mar. 27; v. 236; p. 995.
- Vending-machine, Blade. A. H. Du Grenier and J. H. McPherson. No. 1,231,243; June 26; v. 239; p. 1085.
- Vending-machine, Bottle. J. C. Dickinson. No. 1,240,321; Sept. 18; v. 242; p. 574.
- Vending-machine, Bottle. E. C. Lorentzen. No. 1,224,942; May 8; v. 238; p. 343.
- Vending-machine, Check-controlled. J. Fritsche. No. 1,222,859; Apr. 17; v. 237; p. 723.
- Vending-machine, Cigar. J. T. Robinson. No. 1,247,576; Nov. 20; v. 244; p. 784.
- Vending-machine, Coin-actuated stamp. W. A. Payne. No. 1,219,860; Mar. 20; v. 236; p. 752.
- Vending-machine, Coin-controlled. H. Giles. No. 1,247,664; Nov. 27; v. 244; p. 842.
- Vending-machine, Coin-controlled. L. K. Mearkie. No. 1,248,368; Nov. 27; v. 244; p. 1043.
- Vending-machine, Coin-controlled. W. L. Nottingham. No. 1,219,030; Mar. 13; v. 236; p. 436.
- Vending-machine, Coin-controlled. J. W. Patterson. No. 1,244,888; Oct. 30; v. 243; p. 1207.
- Vending-machine, Coin-controlled. W. A. Payne and C. W. Gosnell. No. 1,219,861; Mar. 20; v. 236; p. 753.
- Vending-machine, Coin-controlled. A. Rydquist. No. 1,235,247; July 31; v. 240; p. 1339.
- Vending-machine, Coin-controlled. W. O. Wolford. No. 1,242,298; Oct. 9; v. 243; p. 304.
- Vending-machine, Coin-controlled mechanism. S. Beskin. No. 1,211,528; Jan. 9; v. 234; p. 427.
- Vending-machine, Coin-detecting device. M. Hofheimer. No. 1,212,953; Jan. 16; v. 234; p. 966.
- Vending-machine, Coin-operated. M. Hofheimer. No. 1,215,659; Feb. 13; v. 235; p. 450.
- Vending-machine, Coin-operated. C. J. Schwieterman. No. 1,213,548; Jan. 23; v. 234; p. 1198.
- Vending-machine, delivery mechanism. E. M. Perfect. No. 1,240,595; Sept. 18; v. 242; p. 658.
- Vending-machine for articles of food and the like. S. Madsen. No. 1,222,314; Apr. 10; v. 237; p. 490.
- Vending-machine for newspapers and similar articles. W. C. Ziebarth. No. 1,240,526; Sept. 18; v. 242; p. 637.
- Vending-machine, (key). Coin-. J. A. Webster. No. 1,218,728; Mar. 13; v. 236; p. 329.
- Vending-machine, Liquid-. C. N. Ogden. No. 1,218,888; Mar. 13; v. 236; p. 389.
- Vending-machine, Multiple-compartment coin-operated. J. A. Webster. No. 1,229,558; June 12; v. 239; p. 449.
- Vending-machine, Newspaper-. J. P. Fife and W. Laughlin. No. 1,229,054; June 5; v. 239; p. 227.
- Vending-machine, Perfume-. J. F. McNeil. No. 1,222,224; Apr. 10; v. 237; p. 459.
- Vending-machine, Soft-drink-. T. L. Oliver. No. 1,210,520; Jan. 2; v. 234; p. 49.
- Vending-machine, Stamp-. A. Hall. No. 1,216,799; Feb. 20; v. 235; p. 904.
- Vending-machine, Stamp-. J. J. Schermack. No. 1,250,517; Dec. 18; v. 245; p. 678.
- Vending-machine, Stamp-. H. O. Tibbitts. No. 1,251,447; Dec. 25; v. 245; p. 1002.
- Vending-machine, Stamp-. G. H. Treadgold. No. 1,250,391; Dec. 18; v. 245; p. 640.
- Vending-machine, Token-controlled. G. A. Garcia. No. 1,229,741; June 12; v. 239; p. 508.
- Vending-machines, Check-controlled apparatus for. W. S. Dimmock and W. E. Christian. No. 1,250,814; Dec. 18; v. 245; p. 767.
- Vending-machines, Coin-controlled dispensing device for. C. D. Mitchell. No. 1,233,685; July 17; v. 240; p. 776.
- Vending-machines, Coin-controlled mechanism for. E. C. Fain. No. 1,240,187; Sept. 18; v. 242; p. 530.
- Vending-machines, Coin weighing and blocking device for. E. M. Perfect. No. 1,240,596; Sept. 18; v. 242; p. 658.
- Vending-machines, Slot-closing mechanism for coin-controlled. A. D. Grover. No. 1,243,511; Oct. 16; v. 243; p. 716.
- Veneer-cutting machinery. C. H. Hatch. No. 1,248,490; Dec. 4; v. 245; p. 18.
- Veneer, Dovetail-locked. W. F. Krueger. No. 1,212,073; Jan. 9; v. 234; p. 616.
- Veneer-drying apparatus. Wood-. E. Lambert. No. 1,228,790; June 5; v. 239; p. 142.
- Veneer, Reinforced. M. W. Mix. No. 1,215,570; Feb. 13; v. 235; p. 417.
- Veneer-slitting machine. J. C. Dozier and J. L. Walker. No. 1,234,884; July 31; v. 240; p. 1227.
- Veneer-trimmer, Portable. C. L. Mattison. No. 1,216,340; Feb. 20; v. 235; p. 743.
- Veneer while bleaching, Means for holding sheet. B. E. Strong and H. G. Clemenger. No. 1,213,431; Jan. 23; v. 234; p. 1157.
- Veneering, Process of. J. MacLaurin. No. 1,225,734; May 8; v. 238; p. 609.
- Veneering-tape. J. MacLaurin. No. 1,225,735; May 8; v. 238; p. 610.
- Vent-box. A. J. Rudolph. No. 1,238,199; Aug. 28; v. 241; p. 961.
- Vent fitting, Combination flush and local. J. A. Welsh. No. 1,211,262; Jan. 2; v. 234; p. 308.
- Ventilating and heating apparatus. E. W. Woods. No. 1,242,507; Oct. 9; v. 243; p. 369.
- Ventilating apparatus. J. W. Harding. No. 1,216,685; Feb. 20; v. 235; p. 863.
- Ventilating apparatus. J. E. Kirk. No. 1,228,931; June 5; v. 239; p. 188.
- Ventilating apparatus. J. A. Kuyser. No. 1,231,620; July 3; v. 240; p. 27.
- Ventilating apparatus. J. Murray. No. 1,247,314; Nov. 20; v. 244; p. 709.
- Ventilating apparatus. C. E. Shadall. No. 1,216,247; Feb. 13; v. 235; p. 659.
- Ventilating apparatus. H. L. Van Zile and T. A. Lewis. No. 1,211,900; Jan. 9; v. 234; p. 558.
- Ventilating attachment. F. A. Dunn. No. 1,223,483; Apr. 24; v. 237; p. 969.
- Ventilating-closures, Means for adjusting. E. Llewellyn. No. 1,219,120; Mar. 13; v. 236; p. 466.
- Ventilating device. B. Gause. No. 1,216,795; Feb. 20; v. 235; p. 903.
- Ventilating device. G. E. Knowles. No. 1,213,884; Jan. 30; v. 234; p. 1341.
- Ventilating device. C. A. Patrick. No. 1,213,941; Jan. 30; v. 234; p. 1360.
- Ventilating-fastener. D. M. Davis and T. J. Underwood. No. 1,225,114; May 8; v. 238; p. 401.
- Ventilating-pipe. A. Hercer. No. 1,214,033; Jan. 30; v. 234; p. 1394.
- Ventilating-screen. A. C. Hough. No. 1,247,599; Nov. 20; v. 244; p. 790.
- Ventilating system for tunnels and the like. D. K. Swartwout. No. 1,222,569; Apr. 10; v. 237; p. 583.
- Ventilation. S. C. Davidson. No. 1,234,736; July 31; v. 240; p. 1183.
- Ventilation and cleaning device. J. C. Fleming. No. 1,223,684; Apr. 24; v. 237; p. 1041.
- Ventilation-pipes, Universal terminal for. B. H. Morris. No. 1,243,438; Oct. 16; v. 243; p. 694.
- Ventilator. See—
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| Automobile-ventilator. | Refrigerator-car ventilator. |
| Automobile-body ventilator. | Roof-ventilator. |
| Car-ventilator. | Toilet-ventilator. |
| Car and the like ventilator. | Turf-ventilator. |
| Car-berth ventilator. | Water-closet ventilator. |
| Engine-ventilator. | Wind-shield ventilator. |
| Ventilator. F. J. Acker, Jr. No. 1,249,878; Dec. 11; v. 245; p. 452. | Window-ventilator. |
| Ventilator. C. H. Bialky. No. 1,218,164; Mar. 6; v. 236; p. 96. | |
| Ventilator. R. W. Burnett. No. 1,215,341; Feb. 13; v. 235; p. 333. | |
| Ventilator. J. Chafer. No. 1,247,639; Nov. 27; v. 244; p. 834. | |
| Ventilator. G. F. Dickerson. No. 1,243,146; Oct. 16; v. 243; p. 607. | |
| Ventilator. J. W. Gerke, E. J. Braisted, and E. T. Kelleher. No. 1,228,202; May 29; v. 238; p. 1550. | |
| Ventilator. J. Greenburg. No. 1,229,066; June 5; v. 239; p. 232. | |
| Ventilator. W. G. Hutchison. No. 1,234,031; July 17; v. 240; p. 886. | |
| Ventilator. L. P. Hynes. No. 1,223,390; Apr. 24; v. 237; p. 935. | |
| Ventilator. S. W. Jackson. No. 1,233,362; July 17; v. 240; p. 669. | |
| Ventilator. E. F. Klemme. No. 1,236,184; Aug. 7; v. 241; p. 211. | |

- Ventilator. H. W. Leeds. No. 1,211,602; Jan. 9; v. 234; p. 453.
- Ventilator. S. E. Levey. No. 1,211,191; Jan. 2; v. 234; p. 279.
- Ventilator. H. H. Lind. No. 1,222,554; Apr. 10; v. 237; p. 576.
- Ventilator. H. F. Maranville. No. 1,247,698; Nov. 27; v. 244; p. 853.
- Ventilator. M. B. Moyer. No. 1,246,774; Nov. 13; v. 244; p. 517.
- Ventilator. W. Perrot. No. 1,229,131; June 5; v. 239; p. 255.
- Ventilator. M. G. Roberts. No. 1,241,660; Oct. 2; v. 243; p. 61.
- Ventilator. E. J. Shur. No. 1,249,840; Dec. 11; v. 245; p. 440.
- Ventilator. W. P. Simpson. No. 1,233,517; July 17; v. 240; p. 722.
- Ventilator. I. Woolf. No. 1,219,893; Mar. 20; v. 236; p. 764.
- Ventilator. C. Wright. No. 1,245,851; Nov. 6; v. 244; p. 215.
- Ventilator and air-purifying apparatus. F. A. Gustavson. No. 1,214,154; Jan. 30; v. 234; p. 1433.
- Ventilator and radiator appliance. R. H. Edwards. No. 1,242,666; Oct. 9; v. 243; p. 422.
- Ventilator apparatus. M. G. Bunnell. No. 1,212,450; Jan. 16; v. 234; p. 779.
- Ventilator for boots, shoes, and like articles. E. J. Devlin. No. 1,223,042; Apr. 17; v. 237; p. 786.
- Ventilator for vehicles and the like. A. A. Mead. No. 1,250,927; Dec. 18; v. 245; p. 800.
- Vessels from projectiles. Means for protecting. A. Campanaro. No. 1,249,323; Dec. 11; v. 245; p. 290.
- Ventilator-head. T. Lee. No. 1,231,627; July 3; v. 240; p. 29.
- Ventilator-shafts. Terminal for. W. P. Boyce. No. 1,233,021; July 10; v. 240; p. 523.
- Ventilator-terminals. Making. B. H. Morris. No. 1,243,437; Oct. 16; v. 243; p. 694.
- Ventilator unit. M. G. Hubbard. No. 1,223,978; Apr. 24; v. 237; p. 1142.
- Venting device. W. H. Smith. No. 1,242,613; Oct. 9; v. 243; p. 406.
- Venturi tubes. Making. H. C. Kirk. No. 1,245,596; Nov. 6; v. 244; p. 138.
- Vermin-destroyer for fowls. J. T. and S. F. Alderson. No. 1,234,111; July 24; v. 240; p. 947.
- Vermin-guard. F. Derek and E. Priest. No. 1,248,283; Nov. 27; v. 244; p. 1020.
- Vermin on live stock. Device for killing. T. W. Graham. No. 1,233,871; July 17; v. 240; p. 835.
- Vermin-trap. L. G. Young. No. 1,223,016; Apr. 17; v. 237; p. 777.
- Vermin trap. Chicken-. L. Rest. No. 1,233,703; July 17; v. 240; p. 782.
- Vertical bench. P. Plantinga. No. 1,228,475; June 5; v. 239; p. 34.
- Vertically-adjustable post. F. X. Müller. No. 1,222,234; Apr. 10; v. 237; p. 463.
- Vertically-arranged articles. Positioning means for. H. H. Sawyer. No. 1,215,720; Feb. 13; v. 235; p. 471.
- Vessel. F. R. Stafford. No. 1,217,522; Feb. 27; v. 235; p. 1198.
- Vessel against torpedoes. Means for protecting a. R. A. Tute. No. 1,242,082; Oct. 2; v. 243; p. 194.
- Vessel-brake. A. F. Angelicola. No. 1,238,479; Aug. 28; v. 241; p. 1052.
- Vessel-bulkhead. A. Hogg. No. 1,222,867; Apr. 17; v. 237; p. 726.
- Vessel. Earthenware. E. Blass. No. 1,238,092; Aug. 28; v. 241; p. 925.
- Vessel indicating and raising apparatus. B. F. Nixon. No. 1,223,606; Apr. 24; v. 237; p. 1012.
- Vessel-lifter. R. J. Reece. No. 1,230,029; June 12; v. 239; p. 602.
- Vessel. Liquid-holding. J. H. Watson. No. 1,228,151; May 29; v. 238; p. 1534.
- Vessel. Marine. E. L. Sons. No. 1,224,678; May 1; v. 238; p. 200.
- Vessels. Marking device for sunken. H. Lotz. No. 1,238,538; Aug. 28; v. 241; p. 1073.
- Vessel. Means for connecting the ends of lifting-ropes together under the hull of a submerged. A. Johnsen. No. 1,240,979; Sept. 25; v. 242; p. 811.
- Vessel mooring and positioning apparatus. J. A. Anderson. No. 1,221,012; Apr. 3; v. 237; p. 3.
- Vessel. Non-sinkable. T. G. Weaver. No. 1,243,646; Oct. 16; v. 243; p. 757.
- Vessel-protector. W. M. Bliss. No. 1,245,556; Nov. 6; v. 244; p. 126.
- Vessel. Submarine. A. Greenberg. No. 1,230,702; June 19; v. 239; p. 864.
- Vessel. Submarine. A. J. Van Stockum. No. 1,223,747; Apr. 24; v. 237; p. 1064.
- Vessel. Submersible. A. J. F. Lee. No. 1,225,662; May 8; v. 238; p. 585.
- Vessel. Table. J. B. Hawley. No. 1,243,405; Oct. 16; v. 243; p. 683.
- Vessels. Apparatus for raising sunken. R. M. Browne and T. D. Scott. No. 1,240,538; Sept. 18; v. 242; p. 641.
- Vessels. Check-ring for rotary. J. W. Hornsey. No. 1,233,879; July 17; v. 240; p. 848.
- Vessels. Construction of submarine. H. E. Yarrow. No. 1,229,004; June 5; v. 239; p. 212.
- Vessels. Controlling electrically-propelled. B. Ljungström. No. 1,242,357; Oct. 9; v. 243; p. 322.
- Vessels. Device for covering holes in. T. R. Hayton. No. 1,226,881; May 22; v. 238; p. 1078.
- Vessels. Guard device for. W. J. Coleman. No. 1,235,440; July 31; v. 240; p. 1396.
- Vessels. Means for raising sunken. G. Breault. No. 1,250,737; Dec. 18; v. 245; p. 758.
- Vessels. Means for raising sunken. R. de Arazoza. No. 1,240,180; Sept. 18; v. 242; p. 528.
- Vessels. Pneumatic stabilizer for. G. E. Powell. No. 1,220,551; Mar. 27; v. 236; p. 1034.
- Vessels. Propeller chamber or tunnel for shallow-draft. H. E. Yarrow. No. 1,227,357; May 22; v. 238; p. 1238.
- Vessels to hoisting apparatus. Means for locating and securing sunken. T. J. Cahill. No. 1,236,539; Aug. 14; v. 241; p. 356.
- Vest. M. Stanger. No. 1,250,693; Dec. 18; v. 245; p. 730.
- Vest. Infant's. H. J. Page. No. 1,218,307; Mar. 6; v. 236; p. 148.
- Vest. Nursing-. V. Guinzburg. No. 1,211,699; Jan. 9; v. 234; p. 486.
- Vest. Nursing-. V. Guinzburg. No. 1,217,441; Feb. 27; v. 236; p. 1168.
- Vestibule-diaphragm face-plates. Hanger for. C. E. Dath. No. 1,250,983; Dec. 25; v. 245; p. 867.
- Vestibule-diaphragm face-plates. Means for supporting. J. F. O'Connor. No. 1,225,161; May 8; v. 238; p. 416.
- Vestibule-diaphragms and the like. Attaching and retaining means for. H. H. Schroyer. No. 1,219,673; Mar. 20; v. 236; p. 688.
- Veterinary instrument. S. B. Dunn. No. 1,245,325; Nov. 6; v. 244; p. 55.
- Vibraphone. I. J. Galbraith. No. 1,246,584; Nov. 13; v. 244; p. 463.
- Vibrating-machine. C. Carroll. No. 1,247,372; Nov. 20; v. 244; p. 726.
- Vibrating mechanism. F. B. Little. No. 1,240,351; Sept. 18; v. 242; p. 583.
- Vibration-damping mechanism. J. G. Vincent. No. 1,234,978; July 31; v. 240; p. 1259.
- Vibration-recorder. H. Sattler. No. 1,240,883; Sept. 25; v. 242; p. 781.
- Vibrations. Means for reproducing. E. H. Amet. No. 1,221,408; Apr. 3; v. 237; p. 144.
- Vibrato-traction table. H. Goldman. No. 1,234,536; July 24; v. 240; p. 1087.
- Vibrator. W. Lewis. No. 1,245,603; Nov. 6; v. 244; p. 140.
- Vibrator. O. Mieth. No. 1,248,886; Dec. 4; v. 245; p. 136.
- Vibrator. W. V. Roberts. No. 1,243,628; Oct. 16; v. 243; p. 752.
- Vibrator and spray. Combined. H. Behm. No. 1,225,752; May 15; v. 238; p. 660.
- Vibrator. Compressed-air. C. W. Tocknell. No. 1,241,783; Oct. 2; v. 243; p. 99.
- Vibrator-contact. S. F. Briggs. No. 1,223,143; Apr. 17; v. 237; p. 821.
- Vibrator. Electric. R. Stockinger. No. 1,249,236; Dec. 4; v. 245; p. 234.
- Vibrator. Electromagnetic. F. E. Brixius. No. 1,226,635; May 22; v. 238; p. 994.
- Vibrator. Electromagnetic. F. E. Brixius. No. 1,230,857; June 26; v. 239; p. 954.
- Vibrator. Electromagnetic. W. E. Schwarzmann and C. M. Wild. No. 1,211,768; Jan. 9; v. 234; p. 509.
- Vibrator for induction-coils. H. C. Thomson and H. N. Michaelsen. No. 1,216,379; Feb. 20; v. 235; p. 758.
- Vibrator. Ribbon-. A. C. Roebuck. No. 1,222,327; Apr. 10; v. 237; p. 496.
- Vibrator. Water-massage. M. M. Gruber and P. Lauter. No. 1,210,929; Jan. 2; v. 234; p. 190.
- Vibrators. Attachment for electric. C. B. Lawlor. No. 1,232,937; July 10; v. 240; p. 498.
- Victrolas, &c. Rapid winder for. B. G. Kramer. No. 1,249,775; Dec. 11; v. 245; p. 420.
- View-record mechanism. F. J. Bulask and F. E. Koella. No. 1,236,819; Aug. 14; v. 241; p. 450.
- Vine-cutter. M. J. Harrison. No. 1,222,946; Apr. 17; v. 237; p. 752.
- Vine-gathering apparatus. Bean-. N. C. Nelson. No. 1,226,573; May 15; v. 238; p. 935.
- Vine-stripping mechanism. C. L. Sladinska. No. 1,237,565; Aug. 21; v. 241; p. 725.
- Violin. J. H. Rice. No. 1,214,075; Jan. 30; v. 234; p. 1408.
- Violin. Automatic. G. E. Hoglund. No. 1,231,739; July 3; v. 240; p. 69.
- Violin chin-rest. A. R. Boles. No. 1,225,566; May 8; v. 238; p. 554.
- Violin chin-rest. R. L. Yeakey. No. 1,227,359; May 22; v. 238; p. 1238.
- Violin-hook. A. Connors. No. 1,248,269; Nov. 27; v. 244; p. 1016.
- Violin-mute operator. R. Olmedo. No. 1,215,973; Feb. 13; v. 235; p. 561.

Alphabetical list of inventions—Continued.

- Violins and the like, Finger-board for. W. M. Crow. No. 1,237,872; Aug. 21; v. 241; p. 822.
- Violins, Shoulder-rest for. R. P. Morgester. No. 1,238,426; Aug. 28; v. 241; p. 1035.
- Viscometer. C. Browning, Jr. No. 1,244,025; Oct. 23; v. 243; p. 909.
- Viscose, Making. N. E. Katz. No. 1,251,237; Dec. 25; v. 245; p. 940.
- Viscose, Producing glossy threads from. M. Birolli. No. 1,226,178; May 15; v. 238; p. 804.
- Viscosimeter. C. H. Briggs. No. 1,233,177; July 10; v. 240; p. 575.
- Viscosity, Method and machinery for obtaining. A. E. Flowers. No. 1,247,523; Nov. 20; v. 244; p. 769.
- Viscous-fluid applicator. L. L. Stevenson. No. 1,230,052; June 12; v. 239; p. 609.
- Vise. H. C. Brown. No. 1,217,910; Mar. 6; v. 236; p. 9.
- Vise. D. K. Cook. No. 1,250,092; Dec. 11; v. 245; p. 512.
- Vise. T. H. Dessez and G. R. Thompson. No. 1,246,563; Nov. 13; v. 244; p. 456.
- Vise. I. N. Giffin. No. 1,212,136; Jan. 9; v. 234; p. 638.
- Vise. C. G. Kaelin. No. 1,223,073; Apr. 17; v. 237; p. 796.
- Vise. P. G. Lagerbäck. No. 1,246,438; Nov. 13; v. 244; p. 418.
- Vise. F. Plotnik. No. 1,239,620; Sept. 11; v. 242; p. 315.
- Vise. J. T. Smithson. No. 1,226,715; May 22; v. 238; p. 1020.
- Vise and mounting, Pipe-. L. W. Jones. No. 1,227,449; May 22; v. 238; p. 1266.
- Vise, anvil, and drill, and parts thereof, Combination. H. C. Brown. No. 1,217,909; Mar. 6; v. 236; p. 8.
- Vise attachment. J. A. McClellan. No. 1,249,148; Dec. 4; v. 245; p. 207.
- Vise, Automatic quick-acting. D. B. McCullough. No. 1,237,071; Aug. 14; v. 241; p. 530.
- Vise, Automatic swivel-bottom bench-. J. R. Long. No. 1,246,961; Nov. 20; v. 244; p. 609.
- Vise, Bench-. J. R. Long. No. 1,218,788; Mar. 13; v. 236; p. 352.
- Vise clamp, Pipe-. W. F. Wolfe. No. 1,225,301; May 8; v. 238; p. 464.
- Vise, Jar-. L. A. Bellis and W. A. Bleecker. No. 1,227,738; May 29; v. 238; p. 1395.
- Vise, Pipe-. C. R. Dana. No. 1,242,426; Oct. 9; v. 243; p. 344.
- Vise, Pipe-. J. A. De Point and E. C. Van Hee. No. 1,223,568; Apr. 24; v. 237; p. 999.
- Vise, Pipe-. S. M. Kass. No. 1,236,717; Aug. 14; v. 241; p. 417.
- Vise, Pipe claw-. M. Mallove. No. 1,239,431; Sept. 4; v. 242; p. 226.
- Vise, Quick-action. J. Karolle and G. Csvercsko. No. 1,229,753; June 12; v. 239; p. 513.
- Vise, Soldering-. P. W. Trowbridge. No. 1,239,233; Sept. 4; v. 242; p. 165.
- Vise, Woodworking-. E. A. Schade and J. M. Hance. No. 1,229,659; June 12; v. 239; p. 483.
- Vise, Woodworking-. A. L. Wilson and F. McGlinchy. No. 1,211,024; Jan. 2; v. 234; p. 225.
- Vise, Work-holding. E. W. Widger. No. 1,228,275; May 29; v. 238; p. 1573.
- Vises and other articles, Clamp for. F. Van Cauwenbergh. No. 1,245,828; Nov. 6; v. 244; p. 208.
- Vises and the like on columns, Base for supporting. L. J. Buesse. No. 1,221,507; Apr. 3; v. 237; p. 178.
- Vises, Universal base for pipe-. H. S. Kuhn. No. 1,245,741; Nov. 6; v. 244; p. 181.
- Vitamin preparations thoroughly freed from inactive ingredients, Highly active. A. Gams and B. Schreiber. No. 1,235,198; July 31; v. 240; p. 1325.
- Voice-silencer. G. H. Baird. No. 1,227,363; May 22; v. 238; p. 1239.
- Volatilizer. F. C. Dorment. No. 1,231,862; July 3; v. 240; p. 110.
- Voltage absorber, Excess-. F. Sieber. No. 1,242,729; Oct. 9; v. 243; p. 441.
- Voltage control, Method and means for. S. E. Johansen. No. 1,225,639; May 8; v. 238; p. 578.
- Voltage-regulating system. N. W. Storer. No. 1,226,142; May 15; v. 238; p. 791.
- Voltage regulation. J. L. Woodbridge. No. 1,211,803; Jan. 9; v. 234; p. 523.
- Voltage-regulator. C. H. Kicklighter. No. 1,222,412; Apr. 10; v. 237; p. 527.
- Voltage-regulator. H. A. Laycock. No. 1,230,728; June 19; v. 239; p. 871.
- Voltage system, Constant-. T. Spencer. No. 1,220,370; Mar. 27; v. 236; p. 971.
- Voltage system, Constant-. T. Spencer. No. 1,220,371; Mar. 27; v. 236; p. 971.
- Voltmeter, Thermionic. R. A. Heising. No. 1,232,919; July 10; v. 240; p. 491.
- Volumetric meter. K. W. Rohlin. No. 1,242,869; Oct. 9; v. 243; p. 486.
- Volumetric meter. O. A. Kreutzberg. No. 1,224,654; May 1; v. 238; p. 191.
- Vote-recording machine. W. C. Watson. No. 1,240,632; Sept. 18; v. 242; p. 669.
- Voting apparatus. M. F. Thompson and A. L. Townsend. No. 1,219,053; Mar. 13; v. 236; p. 444.
- Voting-booth, Collapsible. W. A. De Smidt. No. 1,226,194; May 15; v. 238; p. 809.
- Voting-booth, Folding. J. J. Kress. No. 1,246,614; Nov. 13; v. 244; p. 472.
- Voting-machine. E. B. Cummings. No. 1,216,778; Feb. 20; v. 235; p. 896.
- Voting-machine. F. Simpson. No. 1,219,874; Mar. 20; v. 236; p. 758.
- Voting-machine, Assembly. F. L. Dyer. No. 1,230,880; June 26; v. 239; p. 961.
- Voting-machines, Party-lever lockout for. W. J. Lausterer. No. 1,210,495; Jan. 2; v. 234; p. 41.
- Voucher-record. J. A. Harriss. No. 1,248,488; Dec. 4; v. 245; p. 17.
- Vulcanized plastic articles, Manufacture of. W. G. Christopherson. No. 1,229,175; June 5; v. 239; p. 269.
- Vulcanizer. R. C. Boldry. No. 1,246,387; Nov. 13; v. 244; p. 403.
- Vulcanizer. C. L. Cooper. No. 1,212,742; Jan. 16; v. 234; p. 885.
- Vulcanizer. M. X. Corbin. No. 1,235,117; July 31; v. 240; p. 1301.
- Vulcanizer. E. Grunz. No. 1,245,583; Nov. 6; v. 244; p. 134.
- Vulcanizer. J. Michel. No. 1,218,441; Mar. 6; v. 236; p. 192.
- Vulcanizer. S. D. Orser. No. 1,249,998; Dec. 11; v. 245; p. 485.
- Vulcanizer. C. H. Payne. No. 1,245,964; Nov. 6; v. 244; p. 247.
- Vulcanizer. J. B. Rose. No. 1,230,789; June 19; v. 239; p. 893.
- Vulcanizer, Steam-. J. Mathe. No. 1,218,100; Mar. 6; v. 236; p. 74.
- Vulcanizer, Steam-. J. Mathey. No. 1,218,101; Mar. 6; v. 236; p. 74.
- Vulcanizers, Press for horizontal. J. R. Gammeter. No. 1,210,926; Jan. 2; v. 234; p. 190.
- Vulcanizing apparatus. M. H. Clark. No. 1,215,910; Feb. 13; v. 235; p. 538.
- Vulcanizing device. R. Bean. No. 1,250,771; Dec. 18; v. 245; p. 753.
- Vulcanizing device. F. M. Naysmith, T. J. Gillaspay, and F. D. Carl. No. 1,225,845; May 15; v. 238; p. 690.
- Vulcanizing plastics. C. J. Randall. No. 1,213,905; Jan. 30; v. 234; p. 1349.
- Vulcanizing-press. J. R. Gammeter. No. 1,232,022; July 3; v. 240; p. 164.
- Vulcanizing-press. E. Nall. No. 1,242,365; Oct. 9; v. 243; p. 324.
- Vulcanizing-press. B. F. White. No. 1,234,431; July 24; v. 240; p. 1054.
- Vulcanizing purposes, Pressure-bag for. H. E. Rasmussen. No. 1,226,596; May 15; v. 238; p. 941.
- Vulcanizing-tool. E. R. Draver. No. 1,218,245; Mar. 6; v. 236; p. 125.
- Wadding. W. M. Stokes. No. 1,238,356; Aug. 28; v. 241; p. 1013.
- Waffle-iron. B. Wiszniewska. No. 1,238,974; Sept. 4; v. 242; p. 82.
- Wagon. W. L. Dempsey. No. 1,226,867; May 22; v. 238; p. 1073.
- Wagon. H. W. Flagg. No. 1,223,949; Apr. 24; v. 237; p. 1132.
- Wagon. C. H. La Croix. No. 1,212,232; Jan. 16; v. 234; p. 701.
- Wagon. E. G. Montheil. No. 1,235,361; July 31; v. 240; p. 1374.
- Wagon, Ammunition-. G. Hageloch. No. 1,217,596; Feb. 27; v. 235; p. 1224.
- Wagon-body. J. L. Dahlen. No. 1,227,757; May 29; v. 238; p. 1401.
- Wagon-body. E. Olson. No. 1,237,946; Aug. 21; v. 241; p. 845.
- Wagon-body, Convertible. C. E. Gregory. No. 1,247,823; Nov. 27; v. 244; p. 891.
- Wagon-body, Extensible. E. Netherland. No. 1,238,180; Aug. 28; v. 241; p. 955.
- Wagon-box. W. R. Burr. No. 1,229,223; June 12; v. 239; p. 335.
- Wagon-box. H. S. Harris. No. 1,213,868; Jan. 30; v. 234; p. 1335.
- Wagon box and rack, Combined. T. J. Kennel. No. 1,228,117; May 29; v. 238; p. 1524.
- Wagon-box attachment. J. P. Kyle. No. 1,250,326; Dec. 18; v. 245; p. 621.
- Wagon-boxes, Grain-container for. G. Kensbock. No. 1,243,183; Oct. 16; v. 243; p. 619.
- Wagon-brake. E. H. Baker. No. 1,231,472; June 26; v. 239; p. 1161.
- Wagon-brake. W. C. Morris. No. 1,233,102; July 10; v. 240; p. 549.
- Wagon-brake. H. W. G. Thrasher. No. 1,249,250; Dec. 4; v. 245; p. 238.
- Wagon-brake, Automatic. P. D. Harvey. No. 1,243,935; Oct. 23; v. 243; p. 882.
- Wagon-brake, Automatic. W. Z. Willis. No. 1,224,587; May 1; v. 238; p. 169.
- Wagon-brake, Self-locking. Z. E. Mays. No. 1,237,799; Aug. 21; v. 241; p. 799.
- Wagon, Child's. R. I. Bordner and A. E. Eberhart. No. 1,234,614; July 24; v. 240; p. 1111.

- Wagon, Chute-. J. G. Brown. No. 1,221,281; Apr. 3; v. 237; p. 99.
- Wagon, Coaster-. W. S. S. Austin. No. 1,236,038; Aug. 7; v. 241; p. 167.
- Wagon, Coaster-. H. I. Beaudry. No. 1,232,186; July 3; v. 240; p. 219.
- Wagon, Collection-. H. Bauman and I. Teitelbaum. No. 1,225,562; May 8; v. 238; p. 552.
- Wagon, Composite road-. W. P. Negus. No. 1,234,068; July 17; v. 240; p. 898.
- Wagon, Dump-. G. C. Hodges and W. M. Lohnes. No. 1,242,805; Oct. 9; v. 243; p. 465.
- Wagon, Dump-. A. MacDonald. No. 1,226,787; May 22; v. 238; p. 1046.
- Wagon, Dump-. F. E. McClellan. No. 1,237,796; Aug. 21; v. 241; p. 798.
- Wagon, Dump-. F. E. McClellan. No. 1,248,879; Dec. 4; v. 245; p. 134.
- Wagon, Dump-. S. L. Starner. No. 1,210,867; Jan. 2; v. 234; p. 168.
- Wagon, Dumping-. J. G. Brown. No. 1,221,828; Apr. 10; v. 237; p. 319.
- Wagon, Dumping-. H. Mayer and G. Schlatter. No. 1,251,399; Dec. 25; v. 245; p. 988.
- Wagon, Dumping-. W. McEwan. No. 1,210,822; Jan. 2; v. 234; p. 152.
- Wagon, Dumping-. W. J. McGee. No. 1,245,000; Oct. 30; v. 243; p. 1241.
- Wagon-dumping mechanism. E. Morelli. No. 1,224,487; May 1; v. 238; p. 134.
- Wagon for children, Coasting-. J. H. Kolkmann. No. 1,235,489; July 31; v. 240; p. 1411.
- Wagon, Huckerster-. G. J. Stinzinger. No. 1,210,721; Jan. 2; v. 234; p. 119.
- Wagon-jack. L. Larson. No. 1,211,601; Jan. 9; v. 234; p. 453.
- Wagon-jack and wrench. D. N. Morton. No. 1,239,936; Sept. 11; v. 242; p. 417.
- Wagon, Motor-driven dumping-. A. C. Murphy. No. 1,235,045; July 31; v. 240; p. 1279.
- Wagon-rack. T. Larson. No. 1,247,847; Nov. 27; v. 244; p. 898.
- Wagon-reach attachment. A. Sexauer. No. 1,226,124; May 15; v. 238; p. 785.
- Wagon running-gear. B. W. Cove. No. 1,223,152; Apr. 17; v. 237; p. 824.
- Wagon, Sanding-. L. Kindling. No. 1,231,269; June 26; v. 239; p. 1094.
- Wagon-seat. C. N. Brannan. No. 1,220,943; Mar. 27; v. 236; p. 1165.
- Wagon-seat lock. W. W. Parker. No. 1,241,431; Sept. 25; v. 242; p. 951.
- Wagon-trains, Steering mechanism for. W. A. Underhill and C. C. Avery. No. 1,241,786; Oct. 2; v. 243; p. 100.
- Wagons, Adjustable tongue-hound for. R. C. Schofield. No. 1,215,416; Feb. 13; v. 235; p. 359.
- Wagons, Fifth-wheel coupling for. W. L. Dempsey. No. 1,235,962; Aug. 7; v. 241; p. 142.
- Wagons, Maize-harvester attachment for. J. W. Dickey. No. 1,224,718; May 1; v. 238; p. 215.
- Wagons, Sleigh-runner attachment for. P. Rice. No. 1,218,467; Mar. 6; v. 236; p. 200.
- Wagons, Tree and yoke for. J. M. Ritchie. No. 1,248,918; Dec. 4; v. 245; p. 144.
- Waist. M. J. Taylor. No. 1,224,100; Apr. 24; v. 237; p. 1184.
- Waist, Adjustable bust-. M. L. Sobra. No. 1,210,863; Jan. 2; v. 234; p. 166.
- Waist and supporter, Child's. E. M. Griffin. No. 1,248,316; Nov. 27; v. 244; p. 1028.
- Waist, Brace-. E. M. Clewell. No. 1,235,292; July 31; v. 240; p. 1353.
- Waist pattern, Dress-. L. S. Brainerd. No. 1,219,234; Mar. 13; v. 236; p. 505.
- Waiter's service-rack. S. W. Ives. No. 1,251,456; Dec. 25; v. 245; p. 1005.
- Walking-stick. E. Schlick. No. 1,244,249; Oct. 23; v. 243; p. 976.
- Wall. E. Weissbrodt. No. 1,241,797; Oct. 2; v. 243; p. 104.
- Wall-board. B. C. Lowary. No. 1,214,803; Feb. 6; v. 235; p. 110.
- Wall-board. B. W. Sidwell, Jr. No. 1,248,181; Nov. 27; v. 244; p. 991.
- Wall-board, Packaging. C. A. Upson. No. 1,225,079; May 8; v. 238; p. 388.
- Wall-bracket. C. F. Henderson. No. 1,241,732; Oct. 2; v. 243; p. 85.
- Wall-bracket. P. H. Petersen. No. 1,224,016; Apr. 24; v. 237; p. 1156.
- Wall-bracket, Insulator. J. B. McCarthy. No. 1,225,460; May 8; v. 238; p. 519.
- Wall, Building-. W. L. Collins. No. 1,240,121; Sept. 11; v. 242; p. 471.
- Wall-closure construction. B. C. Rockwell. No. 1,249,204; Dec. 4; v. 245; p. 224.
- Wall, construction. A. W. Cordes. No. 1,231,711; July 3; v. 240; p. 60.
- Wall construction. J. A. Ferguson. No. 1,248,837; Dec. 4; v. 245; p. 122.
- Wall construction. J. A. Ferguson. No. 1,250,294; Dec. 18; v. 245; p. 611.
- Wall construction. C. W. Long and J. W. Stephens. No. 1,232,942; July 10; v. 240; p. 499.
- Wall construction. J. T. Ridgeway. No. 1,232,607; July 10; v. 240; p. 388.
- Wall construction. W. E. Wilson. No. 1,234,990; July 31; v. 240; p. 1262.
- Wall construction and ribbed channel-brick-therefor. J. P. B. Fiske. No. 1,250,295; Dec. 18; v. 245; p. 611.
- Wall construction, Block or slab for reinforced hollow-. G. E. Small. No. 1,214,964; Feb. 6; v. 235; p. 169.
- Wall construction, Hollow-. F. Heath. No. 1,215,149; Feb. 6; v. 235; p. 232.
- Wall construction, Hollow composition. R. B. Eason, Jr. No. 1,228,417; June 5; v. 239; p. 14.
- Wall construction, Metal-building. A. K. Pruden. No. 1,250,654; Dec. 18; v. 245; p. 718.
- Wall construction, Reinforced hollow-. G. E. Small. No. 1,214,963; Feb. 6; v. 235; p. 168.
- Wall-fastener. J. G. France. No. 1,210,451; Jan. 2; v. 234; p. 25.
- Wall-fixtures, Concealed fastening for. A. J. Weiss. No. 1,243,664; Oct. 16; v. 243; p. 762.
- Wall for buildings, Sheet-metal. H. Brooks. No. 1,250,551; Dec. 18; v. 245; p. 689.
- Wall-form. C. D. McArthur. No. 1,216,335; Feb. 20; v. 235; p. 741.
- Wall, Heat-insulating. C. J. Coleman. No. 1,239,770; Sept. 11; v. 242; p. 363.
- Wall-paper, Edge-staining device for trimmed. W. J. Dunn. No. 1,237,246; Aug. 14; v. 241; p. 584.
- Wall, Partition-. J. B. Campbell. No. 1,225,576; May 8; v. 238; p. 557.
- Wall-receptacles, Face-plate for electrical. J. G. Peterson. No. 1,236,480; Aug. 14; v. 241; p. 337.
- Wall-socket. J. Kennedy. No. 1,227,627; May 29; v. 238; p. 1356.
- Wall-socket. J. Kennedy. No. 1,229,287; June 12; v. 239; p. 356.
- Wall-socket. J. Kennedy. No. 1,234,176; July 24; v. 240; p. 970.
- Wall-socket. J. Kennedy. No. 1,234,177; July 24; v. 240; p. 970.
- Wall-socket. J. Kennedy. No. 1,234,178; July 24; v. 240; p. 970.
- Wall-socket. J. Kennedy. No. 1,234,179; July 24; v. 240; p. 971.
- Wall structure. F. Ball. No. 1,211,525; Jan. 9; v. 234; p. 426.
- Wall structure. H. M. Leonard. No. 1,230,181; June 19; v. 239; p. 692.
- Wall structure. W. D. Richardson. No. 1,214,826; Feb. 6; v. 235; p. 119.
- Wall structure. H. A. Smith. No. 1,250,686; Dec. 18; v. 245; p. 728.
- Wall structure for sheet-metal houses. C. D. Pruden. No. 1,224,665; May 1; v. 238; p. 196.
- Wall structure, Cylindrical. H. A. Smith. No. 1,250,685; Dec. 18; v. 245; p. 728.
- Walls and ceilings, Facing for. A. Biberfeld. No. 1,212,005; Jan. 9; v. 234; p. 595.
- Walls, Apparatus for applying mastic to. H. Wiederhold. No. 1,228,353; May 29; v. 238; p. 1600.
- Walls, Forming. E. Connelley and C. C. Crew. No. 1,215,115; Feb. 6; v. 235; p. 221.
- Walls of buildings or structures or other surfaces, Pneumatic apparatus for applying rough-cast or other plaster to the. J. L. McKim and J. Johnston. No. 1,239,283; Sept. 4; v. 242; p. 181.
- Wardrobe. C. F. Vollmer. No. 1,226,931; May 22; v. 238; p. 1094.
- Wardrobe, Foldable. A. W. Carlson. No. 1,211,407; Jan. 9; v. 234; p. 887.
- Wardrobe, Folding. M. A. Darby. No. 1,220,610; Mar. 27; v. 236; p. 1055.
- Wardrobe, Folding. R. H. Vance. No. 1,249,253; Dec. 4; v. 245; p. 259.
- Wardrobe seat-box. G. H. Wheary. No. 1,230,252; June 19; v. 239; p. 715.
- Ware-kiln. A. B. Klay. No. 1,226,535; May 15; v. 238; p. 923.
- Warehouse and terminal. W. Von Phul. No. 1,247,040; Nov. 20; v. 244; p. 630.
- Warmer, Brick and mortar. C. Rabb. No. 1,247,877; Nov. 27; v. 244; p. 905.
- Warming-receptacle. C. A. Compton. No. 1,223,311; Apr. 17; v. 237; p. 875.
- Warning-signal. C. F. Miller. No. 1,212,538; Jan. 16; v. 234; p. 810.
- Warning-signal. F. Scognamiglio. No. 1,237,105; Aug. 14; v. 241; p. 541.
- Warp-beaming machine. A. L. Remington. No. 1,234,693; July 24; v. 240; p. 1135.
- Warp-drawing machine and mechanism for manipulating detached beddles therein. M. F. Field, E. F. Hathaway, and C. D. Lanning. No. 1,215,789; Feb. 13; v. 235; p. 494.
- Warp-threads, Piecing. M. Wenzel. No. 1,227,716; May 29; v. 238; p. 1387.
- Warp-uniting machine. N. H. Alford. No. 1,245,418; Nov. 6; v. 244; p. 82.
- Warps for weaving, Machine for preparing. H. D. Colman. No. 1,211,677; Jan. 9; v. 234; p. 478.

Alphabetical list of inventions—Continued.

- Warping and beaming machines, Beaming mechanism for. G. W. Kuenneth. No. 1,246,284; Nov. 13; v. 244; p. 371.
- Warping-machine. L. A. Aumann. No. 1,218,235; Mar. 6; v. 236; p. 122.
- Warping-machine. E. E. Bradley. No. 1,218,365; Mar. 6; v. 236; p. 167.
- Warping-machine. T. Prescott. No. 1,250,221; Dec. 18; v. 245; p. 590.
- Warping-machine. A. Van Haste. No. 1,244,800; Oct. 30; v. 243; p. 1180.
- Warping-machine control device. E. Bloom. No. 1,212,604; Jan. 16; v. 234; p. 834.
- Warping-machine, Controlling-lever-locking means for. H. H. Rodgers. No. 1,248,920; Dec. 4; v. 245; p. 144.
- Warping-machine stop-motion. J. W. Sidebottom. No. 1,236,218; Aug. 7; v. 241; p. 223.
- Warship and other sea-going vessels. T. G. O. Thurston. No. 1,246,494; Nov. 13; v. 244; p. 435.
- Wash-sorting rack, Dry. H. C. Schmidt. No. 1,219,591; Mar. 20; v. 236; p. 659.
- Washbasin. W. S. Bacon and W. C. MacCarty. No. 1,232,419; July 3; v. 240; p. 292.
- Washbench. H. Budd. No. 1,215,340; Feb. 13; v. 235; p. 333.
- Washboard. U. S. and L. E. Brown. No. 1,240,118; Sept. 11; v. 242; p. 470.
- Washboard. C. L. Cartwright. No. 1,217,915; Mar. 6; v. 236; p. 10.
- Washboard. W. H. Kelly. No. 1,218,411; Mar. 6; v. 236; p. 181.
- Washboard. J. M. Lapham. No. 1,237,066; Aug. 14; v. 241; p. 528.
- Washboard. J. Ledan. No. 1,250,193; Dec. 18; v. 245; p. 581.
- Washboard. H. L. Mendal. No. 1,250,929; Dec. 18; v. 245; p. 801.
- Washboard. J. A. Schlehr. No. 1,211,359; Jan. 2; v. 234; p. 335.
- Washboard. J. A. Schlehr. No. 1,211,360; Jan. 2; v. 234; p. 335.
- Washboard. N. Tacuone. No. 1,237,839; Aug. 21; v. 241; p. 812.
- Washboard. L. J. Williams. No. 1,235,950; Aug. 7; v. 241; p. 138.
- Washboard. J. H. Ryan. No. 1,240,093; Sept. 11; v. 242; p. 462.
- Washboard-clamp. J. M. Hovey. No. 1,249,402; Dec. 11; v. 245; p. 312.
- Washboard, Sectional. D. Nusbaum. No. 1,237,806; Aug. 21; v. 241; p. 801.
- Washboard, Self-soaping. F. J. Miller. No. 1,247,561; Nov. 20; v. 244; p. 779.
- Washboard-support. H. E. Dawe. No. 1,211,298; Jan. 2; v. 234; p. 317.
- Washboiler. J. Madry. No. 1,234,920; July 31; v. 240; p. 1240.
- Washboiler. P. Owsiak. No. 1,234,076; July 17; v. 240; p. 900.
- Washboiler. H. W. Scheiler. No. 1,228,972; June 5; v. 239; p. 201.
- Washdrainer. M. Larsen. No. 1,243,841; Oct. 23; v. 243; p. 854.
- Washer. *See*—
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| Air-washer. | Lock-washer. |
| Automobile-washer. | Street-washer. |
| Bottle-washer. | Sugar-washer. |
| Button-attachment washer. | Tray-washer. |
| Clothes-washer. | Tumbler and bottle washer. |
| Compressible-fluid washer. | Tumbler and stein washer. |
| Corn-washer. | Valve-washer. |
| Dish-washer. | Vehicle-washer. |
| Fruit-washer. | Window-washer. |
- Washer. F. F. Cameron. No. 1,221,023; Apr. 3; v. 237; p. 7.
- Washer. B. E. D. Stafford and E. I. Dodds. No. 1,250,241; Dec. 18; v. 245; p. 596.
- Washer and attaching means therefor. W. R. Comings. No. 1,250,433; Dec. 18; v. 245; p. 653.
- Washer and boiler, Combined. L. B. Bean. No. 1,211,813; Jan. 9; v. 234; p. 527.
- Washer-counter. J. E. Vincent. No. 1,217,572; Feb. 27; v. 235; p. 1142.
- Washer-cutter. W. L. Rawles. No. 1,241,018; Sept. 25; v. 242; p. 823.
- Washer-cutting bit and die. W. T. Miller. No. 1,236,338; Aug. 7; v. 241; p. 258.
- Washers, Forming nut-locking. J. Kerr. No. 1,231,909; July 3; v. 240; p. 126.
- Washers, Utilization of scrap metal in the manufacture of. J. F. Golding. No. 1,210,928; Jan. 2; v. 234; p. 190.
- Washing and wringing machine, Combined. H. L. Ogg. No. 1,222,240; Apr. 10; v. 237; p. 465.
- Washing apparatus. A. W. Healey. No. 1,240,205; Sept. 18; v. 242; p. 538.
- Washing apparatus. J. M. Seymour, Jr. No. 1,234,498; July 24; v. 240; p. 1075.
- Washing apparatus. J. E. Virden. No. 1,226,283; May 15; v. 238; p. 844.
- Washing apparatus, Clothes-. F. H. Young and G. A. Lewis. No. 1,220,308; Mar. 27; v. 236; p. 949.
- Washing apparatus, Sanitary. H. N. Gilbert. No. 1,239,176; Sept. 4; v. 242; p. 146.
- Washing containers, Apparatus for. T. L. Valerius. No. 1,228,851; June 5; v. 239; p. 163.
- Washing-crystal. M. Spazler. No. 1,241,044; Sept. 25; v. 242; p. 830.
- Washing dishes and other articles, Apparatus for. R. R. and H. Parry. No. 1,232,964; July 10; v. 240; p. 506.
- Washing-machine. C. W. Anthes. No. 1,210,395; Jan. 2; v. 234; p. 5.
- Washing-machine. J. J. and J. E. Banta. No. 1,229,387; June 5; v. 239; p. 4.
- Washing-machine. W. F. Bickford. No. 1,231,987; July 3; v. 240; p. 150.
- Washing-machine. G. M. Brewer. No. 1,242,765; Oct. 9; v. 243; p. 453.
- Washing-machine. B. O. Bryngelson. No. 1,215,338; Feb. 13; v. 235; p. 332.
- Washing-machine. F. I. Buckner. No. 1,227,578; May 29; v. 238; p. 1340.
- Washing-machine. H. Budd. No. 1,226,183; May 15; v. 238; p. 806.
- Washing-machine. H. A. Burley. No. 1,247,368; Nov. 20; v. 244; p. 724.
- Washing-machine. L. W. Charlebois and E. Deroun. No. 1,223,559; Apr. 24; v. 237; p. 997.
- Washing-machine. H. Connor. No. 1,235,011; July 31; v. 240; p. 1269.
- Washing-machine. S. Dahly. No. 1,248,085; Nov. 27; v. 244; p. 963.
- Washing-machine. J. P. Dorau. No. 1,215,501; Feb. 13; v. 235; p. 390.
- Washing-machine. A. J. Grover. No. 1,211,436; Jan. 9; v. 234; p. 397.
- Washing-machine. G. E. and E. A. Hawk. No. 1,221,174; Apr. 3; v. 237; p. 61.
- Washing-machine. J. C. Hintz. No. 1,239,600; Sept. 11; v. 242; p. 309.
- Washing-machine. W. F. Hunt. No. 1,244,213; Oct. 23; v. 243; p. 964.
- Washing-machine. R. Isobabella and F. Lombardi. No. 1,243,413; Oct. 16; v. 243; p. 686.
- Washing-machine. F. T. Johnson. No. 1,213,202; Jan. 23; v. 234; p. 1076.
- Washing-machine. H. Luer. No. 1,210,959; Jan. 2; v. 234; p. 201.
- Washing-machine. H. D. Mandeville. No. 1,220,135; Mar. 20; v. 236; p. 852.
- Washing-machine. C. Metrewitz. No. 1,214,574; Feb. 6; v. 235; p. 31.
- Washing-machine. L. J. Mighell. No. 1,245,758; Nov. 6; v. 244; p. 185.
- Washing-machine. J. Negrescon. No. 1,244,120; Oct. 23; v. 243; p. 937.
- Washing-machine. H. Niece. No. 1,227,065; May 22; v. 236; p. 1141.
- Washing-machine. T. A. Patterson. No. 1,217,626; Feb. 27; v. 235; p. 1235.
- Washing-machine. A. C. Prechel. No. 1,243,551; Oct. 16; v. 243; p. 727.
- Washing-machine. A. Rector. No. 1,248,548; Dec. 4; v. 245; p. 35.
- Washing-machine. W. N. Rettinger. No. 1,217,636; Feb. 27; v. 235; p. 1239.
- Washing-machine. O. W. Roberts. No. 1,213,778; Jan. 23; v. 234; p. 1273.
- Washing-machine. F. W. Sauer. No. 1,246,943; Nov. 20; v. 244; p. 603.
- Washing-machine. S. E. Schroeder. No. 1,227,840; May 29; v. 238; p. 1430.
- Washing-machine. F. C. Shearing. No. 1,230,231; June 19; v. 239; p. 708.
- Washing-machine. G. E. Shepard. No. 1,225,329; May 8; v. 238; p. 474.
- Washing-machine. W. L. Stark. No. 1,217,656; Feb. 27; v. 235; p. 1246.
- Washing-machine. J. A. Stensrud. No. 1,213,704; Jan. 23; v. 234; p. 1249.
- Washing-machine. C. W. Swanson. No. 1,250,528; Dec. 18; v. 245; p. 682.
- Washing-machine. W. H. Voss. No. 1,222,050; Apr. 10; v. 237; p. 397.
- Washing-machine. W. H. Voss. No. 1,229,686; June 12; v. 239; p. 492.
- Washing-machine, gearing. W. H. Voss. No. 1,229,687; June 12; v. 239; p. 493.
- Washing-machine, gearing. W. H. Voss. No. 1,230,542; June 19; v. 239; p. 811.
- Washing-machine. W. H. Voss. No. 1,245,409; Nov. 6; v. 244; p. 80.
- Washing-machine. J. J. Walsh. No. 1,228,149; May 29; v. 238; p. 1533.
- Washing-machine. E. Wessman. No. 1,213,048; Jan. 16; v. 234; p. 988.
- Washing-machine-actuating mechanism. A. W. Altorfer. No. 1,241,896; Oct. 2; v. 243; p. 138.
- Washing-machine agitator. G. L. Davis. No. 1,240,826; Sept. 25; v. 242; p. 762.
- Washing-machine agitator or dolly. A. J. Fisher. No. 1,211,123; Jan. 2; v. 234; p. 255.
- Washing-machine automatic valve. J. Huebsch and R. Roost. No. 1,223,584; Apr. 24; v. 237; p. 1004.
- Washing machine, Clothes-. R. J. S. Perry. No. 1,215,405; Feb. 13; v. 235; p. 355.

- Washing-machine driving mechanism. J. P. Dorau. No. 1,215,503; Feb. 13; v. 235; p. 390.
- Washing-machine driving mechanism. H. S. Judd and H. Pietsch. No. 1,240,801; Sept. 18; v. 242; p. 722.
- Washing-machine gearing. W. J. Schoonover. No. 1,247,726; Nov. 27; v. 244; p. 862.
- Washing-machine gearing. J. D. Spauzy. No. 1,227,335; May 22; v. 238; p. 1231.
- Washing-machine gearing. C. W. Swanson. No. 1,247,175; Nov. 20; v. 244; p. 670.
- Washing-machine gearing. W. H. Voss. No. 1,225,896; May 15; v. 238; p. 707.
- Washing-machine gearing. G. L. Davis. No. 1,236,547; Aug. 14; v. 241; p. 359.
- Washing-machine gearing device. G. W. Lewis. No. 1,231,918; July 3; v. 240; p. 128.
- Washing-machine gearing device. J. C. Thompson. No. 1,235,509; July 31; v. 240; p. 1418.
- Washing-machine mechanism. A. W. Altorfer. No. 1,241,895; Oct. 2; v. 243; p. 137.
- Washing-machine mechanism. H. C. Doman. No. 1,223,774; Apr. 24; v. 237; p. 1074.
- Washing-machine mechanism. H. C. Doman. No. 1,240,426; Sept. 18; v. 242; p. 606.
- Washing-machine mechanism. J. G. Seelig. No. 1,239,046; Sept. 4; v. 242; p. 104.
- Washing-machine-operating gearing. W. H. George. No. 1,220,838; Mar. 27; v. 236; p. 1133.
- Washing-machine-operating gearing. G. More. No. 1,220,767; Mar. 27; v. 236; p. 1106.
- Washing-machine-operating mechanism. A. T. Church. No. 1,214,643; Feb. 6; v. 235; p. 58.
- Washing-machine-operating mechanism. A. B. Cooling. No. 1,227,584; May 29; v. 238; p. 1342.
- Washing-machine-operating mechanism. A. W. Healey. No. 1,240,204; Sept. 18; v. 242; p. 537.
- Washing-machine-operating mechanism. W. H. Sargent. No. 1,242,727; Oct. 9; v. 243; p. 441.
- Washing-machine-operating mechanism. W. J. Schoonover. No. 1,220,366; Mar. 27; v. 236; p. 969.
- Washing-machine-operating mechanism. F. B. Schuyler. No. 1,246,664; Nov. 13; v. 244; p. 486.
- Washing-machine outlet-valve. W. Bartholomew. No. 1,241,326; Sept. 25; v. 242; p. 921.
- Washing-machine, Power. W. H. Franklin. No. 1,211,129; Jan. 2; v. 234; p. 257.
- Washing-machine reversing-gearing. C. G. Pfeiffer. No. 1,211,221; Jan. 2; v. 234; p. 290.
- Washing-machines, Actuating means for operating. C. E. Roberts. No. 1,236,605; Aug. 14; v. 241; p. 377.
- Washing-machines and other apparatus, Gearing for. F. B. Churchill. No. 1,233,026; July 10; v. 240; p. 524.
- Washing-machines and wringers, Gearing device for. W. J. Schoonover. No. 1,245,987; Nov. 6; v. 244; p. 251.
- Washing-machines, Detachable agitator for. L. A. Milliken. No. 1,216,477; Feb. 20; v. 235; p. 792.
- Washing-machines, Gearing device for power. A. J. Dinkel. No. 1,228,887; June 5; v. 239; p. 174.
- Washing-machines, Operating-gearing for. G. More. No. 1,222,785; Apr. 17; v. 237; p. 697.
- Washing-machines, Power attachment for. F. B. Churchill. No. 1,227,388; May 22; v. 238; p. 1247.
- Washing-machines, Supporting-frame for. H. L. Ogg. No. 1,226,988; May 22; v. 238; p. 1116.
- Washing-machines, Wringer attachment for. F. W. Wap-pat. No. 1,217,540; Feb. 27; v. 235; p. 1205.
- Washstand. W. S. Hamm, T. A. Legge, and N. Krohn. No. 1,226,879; May 22; v. 238; p. 1077.
- Washstand, Folding. C. Birky. No. 1,212,006; Jan. 9; v. 234; p. 595.
- Washstand, Folding. O. D. Ewell. No. 1,216,098; Feb. 13; v. 235; p. 607.
- Washstand, Folding. G. E. Wolke. No. 1,248,772; Dec. 4; v. 245; p. 102.
- Washstand, Stationary. E. P. Gaylord. No. 1,218,755; Mar. 13; v. 236; p. 340.
- Washub and washboard, Combined. G. T. Ellis. No. 1,240,037; Sept. 11; v. 242; p. 446.
- Washub-cover. J. Kanster. No. 1,223,588; Apr. 24; v. 237; p. 1006.
- Washub-cover. J. I. Levett. No. 1,217,025; Feb. 20; v. 235; p. 980.
- Washub-cover. I. Schlesinger. No. 1,250,518; Dec. 18; v. 245; p. 678.
- Washub, Stationary. C. Schaefer. No. 1,224,671; May 1; v. 238; p. 198.
- Washub-support. M. M. Ely. No. 1,225,319; May 8; v. 238; p. 471.
- Washubs, Adjustable pan for. E. M. Salisbury. No. 1,224,024; Apr. 24; v. 237; p. 1158.
- Washubs, tanks, sinks, and the like, Support for. J. J. Bram. No. 1,243,697; Oct. 25; v. 243; p. 805.
- Waste-can. A. L. Hansen. No. 1,236,429; Aug. 14; v. 241; p. 320.
- Waste or sewage, Apparatus for treating house. E. L. Megill. No. 1,224,483; May 1; v. 238; p. 133.
- Waste-trap. E. W. N. Boosey. No. 1,245,558; Nov. 6; v. 244; p. 126.
- Watch. G. F. Eberhard and W. T. Malony. No. 1,247,515; Nov. 20; v. 244; p. 767.
- Watch. C. B. Greenberg. No. 1,219,292; Mar. 13; v. 236; p. 524.
- Watch. E. F. Olson. No. 1,232,962; July 10; v. 240; p. 505.
- Watch. F. F. J. Prihoda. No. 1,244,127; Oct. 23; v. 243; p. 939.
- Watch. L. E. F. Wachter. No. 1,248,042; Nov. 27; v. 244; p. 950.
- Watch and clock hands, Tool for removing. A. Singer. No. 1,243,771; Oct. 23; v. 243; p. 831.
- Watch-bag, Waterproof. L. E. F. Wachter. No. 1,247,754; Nov. 27; v. 244; p. 870.
- Watch bezel and crystal. C. L. Depollier. No. 1,239,467; Sept. 11; v. 242; p. 267.
- Watch-carrier. F. J. Ellis. No. 1,227,597; May 29; v. 238; p. 1345.
- Watch carrier, Bracelet-. C. J. Olney. No. 1,215,054; Feb. 6; v. 235; p. 202.
- Watch-chain holder. R. G. Fuller. No. 1,236,076; Aug. 7; v. 241; p. 177.
- Watch-crystal. F. Wehinger. No. 1,216,636; Feb. 20; v. 235; p. 849.
- Watch-fobs, belts, and the like, Monogram attachment for. L. Freedman. No. 1,219,284; Mar. 13; v. 236; p. 521.
- Watch for motor-driven vehicles, Detachable. C. Schiebel. No. 1,219,669; Mar. 20; v. 236; p. 687.
- Watch-guard. C. A. Nord. No. 1,218,887; Mar. 13; v. 236; p. 388.
- Watch-guard, Safety. W. E. Doolittle. No. 1,212,920; Jan. 16; v. 234; p. 944.
- Watch-holder. C. H. Allen. No. 1,240,527; Sept. 18; v. 242; p. 638.
- Watch-holder. W. B. Campbell. No. 1,214,274; Jan. 30; v. 234; p. 1475.
- Watch-holder, Inclusive. R. M. G. Phillips. No. 1,229,182; June 5; v. 239; p. 271.
- Watch, Non-magnetizable. E. T. Turney. No. 1,247,470; Nov. 20; v. 244; p. 754.
- Watch readable by touch. H. E. Duncan. No. 1,222,369; Apr. 10; v. 237; p. 511.
- Watch-stand. W. C. Swanson. No. 1,223,638; Apr. 24; v. 237; p. 1025.
- Watch, Stem winding and setting. F. Wehinger. No. 1,226,285; May 15; v. 238; p. 845.
- Watch, Stem winding and setting. F. Wehinger. No. 1,226,286; May 15; v. 238; p. 845.
- Watch stopping attachment. E. T. Lewis. No. 1,230,732; June 19; v. 239; p. 873.
- Watch stopping attachment. E. T. Lewis. No. 1,230,733; June 19; v. 239; p. 873.
- Watch-strap. E. C. Grant. No. 1,222,391; Apr. 10; v. 237; p. 518.
- Watch, Time-recording. W. F. Tubesing. No. 1,235,260; July 31; v. 240; p. 1343.
- Watch-wristlet. A. L. Rosenthal. No. 1,245,801; Nov. 6; v. 244; p. 201.
- Watches and the like, Dial for. A. E. Faiella. No. 1,216,556; Feb. 20; v. 235; p. 820.
- Watches, Attachment for bracelet-. M. Megurowsky. No. 1,232,825; July 10; v. 240; p. 460.
- Watches, Holder for bracelet-. C. J. Olney. No. 1,215,053; Feb. 6; v. 235; p. 202.
- Watches, Holder for wrist-. E. C. Fitch. No. 1,219,449; Mar. 20; v. 236; p. 609.
- Watches, Protector for wrist-. H. Daw. No. 1,249,906; Dec. 11; v. 245; p. 460.
- Watches, Second-hand-setting mechanism for. C. Sinbad. No. 1,244,251; Oct. 23; v. 243; p. 976.
- Watches, Second-hand-setting mechanism for. C. Sinbad. No. 1,244,252; Oct. 23; v. 243; p. 977.
- Watches, Securing device for wrist-. C. L. Depollier. No. 1,242,152; Oct. 9; v. 243; p. 258.
- Watches, Securing device for wrist-. F. S. Ellis. No. 1,227,598; May 29; v. 238; p. 1345.
- Watches, Spring-barrel for. W. W. Jordan. No. 1,223,982; Apr. 24; v. 237; p. 1144.
- Watches, Take-up device for wrist-straps for. C. L. Depollier. No. 1,226,316; May 15; v. 238; p. 855.
- Watches, Take-up device for wrist-straps for. C. L. Depollier. No. 1,227,591; May 29; v. 238; p. 1344.
- Watchcase. C. L. Depollier. No. 1,210,771; Jan. 2; v. 234; p. 135.
- Watchcase. L. E. F. Wachter. No. 1,247,755; Nov. 27; v. 244; p. 871.
- Watchcases, Stem for swing-ring. E. M. Bosch. No. 1,214,994; Feb. 6; v. 235; p. 181.
- Watchmakers' staking-tools, Stump for. M. A. Lesser. No. 1,236,849; Aug. 14; v. 241; p. 458.
- Water and sand heater. C. A. Londelius, Jr. No. 1,235,802; Aug. 7; v. 241; p. 89.
- Water, Apparatus for agitating freezing. E. H. Althoff. No. 1,219,897; Mar. 20; v. 236; p. 765.
- Water, Apparatus for purifying sewage. J. P. Breddin. No. 1,210,759; Jan. 2; v. 234; p. 131.
- Water, Apparatus for the electrolytic decomposition of. A. Dohmen. No. 1,211,687; Jan. 9; v. 234; p. 482.
- Water, Apparatus for utilizing the hydraucone action of. W. M. White. No. 1,223,843; Apr. 24; v. 237; p. 1097.
- Water, Apparatus for walking on the. L. Risso. No. 1,248,013; Nov. 27; v. 244; p. 943.
- Water-bag. E. J. Straus. No. 1,219,502; Mar. 20; v. 236; p. 628.
- Water-bag receptacle. F. W. Burch. No. 1,215,477; Feb. 13; v. 235; p. 380.
- Water-bag stopper. H. V. Brumley. No. 1,226,304; May 15; v. 238; p. 851.

Alphabetical list of inventions—Continued.

- Water-balanced elevator. L. J. Caldwell. No. 1,216,540; Feb. 20; v. 235; p. 817.
- Water-channels, protective device for. P. Bouëry. No. 1,230,457; June 19; v. 239; p. 782.
- Water-closet. L. F. Erwin. No. 1,243,148; Oct. 16; v. 243; p. 608.
- Water-closet. J. H. Gallagher. No. 1,224,734; May 1; v. 238; p. 221.
- Water-closet. I. A. Mann. No. 1,211,471; Jan. 9; v. 234; p. 408.
- Water-closet. P. J. Madden. No. 1,229,303; June 12; v. 239; p. 362.
- Water-closet. J. W. Sharp, Jr. No. 1,218,124; Mar. 6; v. 236; p. 83.
- Water-closet bowl. C. H. Muckenhirn. No. 1,215,049; Feb. 6; v. 235; p. 201.
- Water-closet bowl. C. H. Muckenhirn. No. 1,221,359; Apr. 3; v. 237; p. 126.
- Water-closet device. M. J. Kelly. No. 1,215,816; Feb. 13; v. 235; p. 504.
- Water-closet flush-valve. A. C. Jackson. No. 1,217,183; Feb. 27; v. 235; p. 1078.
- Water-closet flush-valve. D. W. McNeil. No. 1,225,987; May 15; v. 238; p. 738.
- Water-closet, Portable. H. J. Wood. No. 1,225,914; May 15; v. 238; p. 714.
- Water-closet, Seat-operated. J. F. Kelly. No. 1,237,911; Aug. 21; v. 241; p. 834.
- Water-closet seat-operated valve. G. D. Endy. No. 1,220,831; Mar. 27; v. 236; p. 1130.
- Water-closet seat, Sanitary. M. Rosen. No. 1,215,197; Feb. 6; v. 235; p. 249.
- Water-closet, Siphon. A. Cochran. No. 1,215,113; Feb. 6; v. 235; p. 220.
- Water-closet structure. D. A. and D. H. Ebinger. No. 1,213,343; Jan. 23; v. 234; p. 1126.
- Water-closet ventilator. E. F. Klemme. No. 1,228,786; June 5; v. 239; p. 141.
- Water-closets and the like, Fastening means for. W. H. Lloyd. No. 1,217,965; Mar. 6; v. 236; p. 27.
- Water-closets, Siphon structure for use in. J. Maddock. No. 1,225,452; May 8; v. 238; p. 517.
- Water-closets, Valve mechanism for ventilating. H. C. Farrell. No. 1,241,614; Oct. 2; v. 243; p. 48.
- Water, Container for drinking-. G. D. Pogue. No. 1,248,705; Dec. 4; v. 245; p. 82.
- Water control, Automatic. J. L. Skuttle. No. 1,235,389; July 31; v. 240; p. 1382.
- Water-controlling apparatus. S. Mason. No. 1,230,590; June 19; v. 239; p. 828.
- Water-cooled brake for vehicles. L. Goldmerstein. No. 1,217,591; Feb. 27; v. 235; p. 1222.
- Water-cooler. B. A. Baer. No. 1,250,941; Dec. 25; v. 245; p. 855.
- Water-cooler. H. E. Schulse. No. 1,228,836; June 5; v. 239; p. 158.
- Water-cooler. H. W. Weaver. No. 1,217,673; Feb. 27; v. 235; p. 1252.
- Water cut-off, Automatic. G. B. Wilson. No. 1,246,368; Nov. 13; v. 244; p. 397.
- Water-detector, Gage. J. D. Lee. No. 1,232,574; July 10; v. 240; p. 377.
- Water-dispensing device. C. Jr., and M. A. Doering. No. 1,241,352; Sept. 25; v. 242; p. 928.
- Water-distribution system. D. Chapman. No. 1,234,625; July 24; v. 240; p. 1115.
- Water distribution, System of. L. W. Chubb. No. 1,247,374; Nov. 20; v. 244; p. 726.
- Water-driven engine. J. O'Gara. No. 1,221,085; Apr. 3; v. 237; p. 29.
- Water-electrolyzing apparatus. R. J. J. Mueller and E. G. Rowland. No. 1,219,843; Mar. 20; v. 236; p. 747.
- Water-elevating apparatus. L. S. Berengueras. No. 1,233,439; July 17; v. 240; p. 695.
- Water-elevating apparatus. G. F. Van Brunt. No. 1,246,188; Nov. 13; v. 244; p. 343.
- Water-elevator. A. Andrews. No. 1,221,269; Apr. 3; v. 237; p. 95.
- Water-elevator. E. P. Hume. No. 1,239,692; Sept. 11; v. 242; p. 339.
- Water-elevator. H. J. Lawrence. No. 1,232,054; July 3; v. 240; p. 176.
- Water-elevator. S. Murta. No. 1,227,180; May 22; v. 238; p. 1181.
- Water-elevator. B. F. Stauber. No. 1,241,297; Sept. 25; v. 242; p. 913.
- Water-elevator. W. F. Stegall. No. 1,227,014; May 22; v. 238; p. 1125.
- Water-elevator, Windlass. E. R. Chandler. No. 1,228,295; May 29; v. 238; p. 1580.
- Water for softening, sterilizing, and like purposes, Treatment of. H. J. Magrath. No. 1,211,735; Jan. 9; v. 234; p. 497.
- Water for softening, purifying, and like purposes, Treatment of. H. J. Magrath. No. 1,239,202; Sept. 4; v. 242; p. 154.
- Water for use in the manufacture of leavened bread. Mineral. H. A. Kohman, C. Hoffman, and T. M. Godfrey. No. 1,213,210; Jan. 23; v. 234; p. 1079.
- Water from salt water, Obtaining pure. F. T. Evans. No. 1,225,118; May 8; v. 238; p. 402.
- Water from water-bearing sands, Apparatus for removing. J. M. Ferry. No. 1,215,134; Feb. 6; v. 235; p. 227.
- Water-gage. H. C. Gilpin. No. 1,250,300; Dec. 18; v. 245; p. 613.
- Water-gage. H. S. Hunter and T. Watkins. No. 1,218,661; Mar. 13; v. 236; p. 305.
- Water-gage. A. W. Morse. No. 1,234,924; July 31; v. 240; p. 1241.
- Water-gage. F. A. Pocock. No. 1,227,196; May 22; v. 238; p. 1185.
- Water-gage. F. A. Pocock. No. 1,239,304; Sept. 4; v. 242; p. 187.
- Water-gage. F. A. Pocock. No. 1,240,251; Sept. 18; v. 242; p. 552.
- Water-gage glass. W. A. Hardwick and J. T. Bradley. No. 1,210,467; Jan. 2; v. 234; p. 31.
- Water-glass fitting, Safety. W. A. Kitts, Jr. No. 1,250,321; Dec. 18; v. 245; p. 619.
- Water-heater. H. S. Albert. No. 1,237,737; Aug. 21; v. 241; p. 781.
- Water-heater. J. Ayling. No. 1,227,566; May 29; v. 238; p. 1336.
- Water-heater. C. A. Backstrom. No. 1,217,133; Feb. 27; v. 235; p. 1062.
- Water-heater. C. A. Backstrom. No. 1,246,523; Nov. 13; v. 244; p. 444.
- Water-heater. H. O. Bay. No. 1,237,455; Aug. 21; v. 241; p. 690.
- Water-heater. F. K. Berry. No. 1,246,848; Nov. 20; v. 244; p. 576.
- Water-heater. A. S. Carlson. No. 1,216,942; Feb. 20; v. 235; p. 950.
- Water-heater. L. Cinq-Mars. No. 1,216,659; Feb. 20; v. 235; p. 855.
- Water-heater. J. B. Dudley. No. 1,244,183; Oct. 23; v. 243; p. 955.
- Water-heater. J. A. Ferris. No. 1,211,927; Jan. 9; v. 234; p. 568.
- Water-heater. B. Hart and T. R. Holness. No. 1,250,867; Dec. 18; v. 245; p. 783.
- Water-heater. H. J. Heidgerken. No. 1,212,636; Jan. 16; v. 234; p. 846.
- Water-heater. H. S. Humphrey. No. 1,251,035; Dec. 25; v. 245; p. 882.
- Water-heater. S. J. Hurwitz. No. 1,214,468; Jan. 30; v. 234; p. 1540.
- Water-heater. R. J. Kahrer. No. 1,222,105; Apr. 10; v. 237; p. 417.
- Water-heater. C. R. Keiter. No. 1,232,567; July 10; v. 240; p. 375.
- Water-heater. H. J. Long. No. 1,214,559; Feb. 6; v. 235; p. 27.
- Water-heater. A. Longoria. No. 1,217,967; Mar. 6; v. 236; p. 28.
- Water-heater. S. J. MacMullan and J. M. Ulmer. No. 1,232,587; July 10; v. 240; p. 381.
- Water-heater. W. C. Parsons. No. 1,215,844; Feb. 13; v. 235; p. 515.
- Water-heater. J. Polzin. No. 1,244,775; Oct. 30; v. 243; p. 1174.
- Water-heater. F. Poole. No. 1,228,243; May 29; v. 238; p. 1564.
- Water-heater. M. Robinson. No. 1,246,161; Nov. 13; v. 244; p. 334.
- Water-heater. V. Robinson. No. 1,212,108; Jan. 9; v. 234; p. 627.
- Water-heater. R. W. Rogers. No. 1,242,241; Oct. 9; v. 243; p. 286.
- Water-heater. J. Sefceka. No. 1,241,154; Sept. 25; v. 242; p. 865.
- Water-heater. I. G. Smith. No. 1,224,335; May 1; v. 238; p. 80.
- Water-heater. J. K. Toles. No. 1,218,965; Mar. 13; v. 236; p. 413.
- Water-heater. M. A. Unger. No. 1,243,901; Oct. 23; v. 243; p. 872.
- Water-heater. R. N. Wagener. No. 1,244,924; Oct. 30; v. 243; p. 1218.
- Water-heater. F. Will. No. 1,242,294; Oct. 9; v. 243; p. 303.
- Water-heater. W. Wilson. No. 1,248,969; Dec. 4; v. 245; p. 157.
- Water-heater and automatic control, Electric. D. B. Clark. No. 1,214,757; Feb. 6; v. 235; p. 96.
- Water heater and circulator, Combined. D. R. Saunders. No. 1,245,985; Nov. 6; v. 244; p. 250.
- Water-heater and steam-boller. M. E. Dearing. No. 1,223,674; Apr. 24; v. 237; p. 1038.
- Water-heater, Automatically-controlled. O. J. Dillin. No. 1,214,656; Feb. 6; v. 235; p. 61.
- Water-heater, Combination. J. G. Scott. No. 1,219,494; Mar. 20; v. 236; p. 624.
- Water-heater, Combination. J. G. Scott. No. 1,220,012; Mar. 20; v. 236; p. 804.
- Water-heater, Combination. J. G. Scott. No. 1,220,695; Mar. 27; v. 236; p. 1083.
- Water-heater, Combined coal and gas. H. A. Becker and A. D. Dukelow. No. 1,248,793; Dec. 4; v. 245; p. 109.
- Water-heater construction. C. A. Backstrom. No. 1,246,521; Nov. 13; v. 244; p. 443.
- Water-heater construction. F. L. O. Wadsworth. No. 1,243,017; Oct. 16; v. 243; p. 568.
- Water-heater construction. F. L. O. Wadsworth. No. 1,248,579; Dec. 4; v. 245; p. 45.
- Water-heater construction. F. L. O. Wadsworth. No. 1,248,958; Dec. 4; v. 245; p. 155.

- Water-heater, Continuous-flow. J. D. Jackson. No. 1,230,167; June 19; v. 239; p. 686.
- Water-heater, Domestic. O. S. Johnson. No. 1,211,858; Jan. 9; v. 234; p. 543.
- Water-heater, Electric. J. B. Bookman. No. 1,226,849; May 22; v. 238; p. 1067.
- Water-heater, Electric. A. Herz and C. Herbst. No. 1,235,203; July 31; v. 240; p. 1326.
- Water-heater, Electric. S. D. Nesmith. No. 1,224,117; Apr. 24; v. 237; p. 1189.
- Water-heater, Electric. F. C. Perkins. No. 1,223,729; Apr. 24; v. 237; p. 1057.
- Water-heater, Electric. M. H. Shoenberg. No. 1,249,285; Dec. 4; v. 245; p. 248.
- Water-heater, Electric. E. Stranszky. No. 1,221,106; Apr. 3; v. 237; p. 85.
- Water-heater, Electric. E. C. Webster. No. 1,239,325; Sept. 4; v. 242; p. 193.
- Water-heater, Electric. W. C. Williams. No. 1,217,380; Feb. 27; v. 235; p. 1145.
- Water-heater, Electric. I. R. Forbes. No. 1,251,210; Dec. 25; v. 245; p. 932.
- Water-heater, Fluid-fuel. A. F. Behl. No. 1,210,585; Jan. 2; v. 234; p. 72.
- Water-heater, Gas. J. F. Goodwin. No. 1,234,461; July 24; v. 240; p. 1063.
- Water-heater, Instantaneous. F. Yokel. No. 1,223,653; Apr. 24; v. 237; p. 1030.
- Water-heater, Internal-combustion-engine. C. L. C. Magee. No. 1,242,711; Oct. 9; v. 243; p. 436.
- Water-heater or cooker. F. Geminden. No. 1,218,851; Mar. 13; v. 236; p. 376.
- Water-heater, Portable electric. C. E. Hinkle. No. 1,225,631; May 8; v. 238; p. 576.
- Water-heater, Remote control means for. E. S. Stack. No. 1,234,949; July 31; v. 240; p. 1250.
- Water heating and storage system, Automatic instantaneous. E. S. Stack. No. 1,237,403; Aug. 21; v. 241; p. 674.
- Water-heating apparatus. J. Laun. No. 1,228,932; June 5; v. 239; p. 188.
- Water-heating apparatus. S. Leavitt. No. 1,227,806; May 29; v. 238; p. 1418.
- Water-heating attachment. W. M. Hamilton. No. 1,245,905; Nov. 6; v. 244; p. 231.
- Water-heating device. M. F. Bishop. No. 1,232,484; July 10; v. 240; p. 349.
- Water-heating device. A. Dalton. No. 1,249,343; Dec. 11; v. 245; p. 296.
- Water-heating for various uses, Apparatus for automatically supplying. N. E. Royer. No. 1,248,725; Dec. 4; v. 245; p. 88.
- Water-level alarm. H. L. Witt and S. Lookman. No. 1,220,041; Mar. 20; v. 236; p. 814.
- Water-lift. C. F. Couve. No. 1,221,837; Apr. 10; v. 237; p. 323.
- Water-lift. J. A. Mitchell. No. 1,244,631; Oct. 30; v. 243; p. 1129.
- Water-lift, Pneumatic. J. G. Chason. No. 1,224,068; Apr. 24; v. 237; p. 1173.
- Water-lifting method and apparatus. L. T. Edwards. No. 1,213,170; Jan. 23; v. 234; p. 1064.
- Water-mains, System of. F. E. Peck. No. 1,231,935; July 3; v. 240; p. 134.
- Water-meter. C. Krieg. No. 1,245,740; Nov. 6; v. 244; p. 181.
- Water-meter. R. J. Lyman. No. 1,215,674; Feb. 13; v. 235; p. 456.
- Water-meter. L. H. Nash. No. 1,228,693; June 5; v. 239; p. 108.
- Water-meter. C. L. Selby. No. 1,238,203; Aug. 28; v. 241; p. 962.
- Water-meter, Integrating. C. A. Lory. No. 1,248,876; Dec. 4; v. 245; p. 133.
- Water-meter or meter system. L. T. Barnes. No. 1,232,180; July 3; v. 240; p. 217.
- Water, Method of and means for determining and indicating the depth of. A. R. Bauder. No. 1,212,438; Jan. 16; v. 234; p. 775.
- Water-motor. H. E. Frame. No. 1,228,897; June 5; v. 239; p. 177.
- Water-motor. E. E. Hanken. No. 1,227,905; May 29; v. 238; p. 1452.
- Water-motor. B. J. Krogh. No. 1,215,386; Feb. 13; v. 235; p. 349.
- Water-motor. A. F. Miller. No. 1,243,199; Oct. 16; v. 243; p. 624.
- Water-motor. H. H. Ramthun. No. 1,242,862; Oct. 9; v. 243; p. 484.
- Water-motor. H. H. Sawyer. No. 1,218,900; Mar. 13; v. 236; p. 392.
- Water-motor. G. A. Wendt. No. 1,211,650; Jan. 9; v. 234; p. 469.
- Water-motor or propeller. H. P. Magone. No. 1,230,191; June 19; v. 239; p. 695.
- Water-planing surface, Adjustable. J. F. Smith. No. 1,237,715; Aug. 21; v. 241; p. 775.
- Water-plug. E. C. Riebsame. No. 1,216,167; Feb. 13; v. 235; p. 632.
- Water-power mechanism. N. E. Royer. No. 1,234,101; July 17; v. 240; p. 908.
- Water-power plants, Regainer for. W. M. White. No. 1,223,841; Apr. 24; v. 237; p. 1096.
- Water-purifying apparatus. H. A. Allen. No. 1,236,645; Aug. 14; v. 241; p. 391.
- Water-purifying apparatus. E. M. Knight. No. 1,244,989; Oct. 30; v. 243; p. 1238.
- Water-purifying apparatus. J. D. Kynaston. No. 1,219,333; Mar. 13; v. 236; p. 539.
- Water-purifying apparatus. E. R. Talley. No. 1,217,365; Feb. 27; v. 235; p. 1140.
- Water-purifying apparatus, Electrical. G. J. Schneider. No. 1,217,643; Feb. 27; v. 235; p. 1241.
- Water-raising apparatus. F. H. Umholtz. No. 1,215,221; Feb. 6; v. 235; p. 258.
- Water-raising apparatus, Compressed-air. C. de Préville. No. 1,237,308; Aug. 21; v. 241; p. 642.
- Water-regulator. E. G. Ofeldt. No. 1,232,377; July 3; v. 240; p. 280.
- Water-seal pot. M. Jaume. No. 1,223,174; Apr. 17; v. 237; p. 832.
- Water, sewage, and liquid manufacturing-waste, Means for treating. F. Noble. No. 1,211,481; Jan. 9; v. 234; p. 411.
- Water, sewage, and the like, Treatment of. S. H. Menzies. No. 1,229,305; June 12; v. 239; p. 363.
- Water-softeners, Chemical-feeding device for. C. A. Cartwright. No. 1,231,128; June 26; v. 239; p. 1048.
- Water-softening. F. Blumenthal. No. 1,212,007; Jan. 9; v. 234; p. 595.
- Water, Softening. H. Heller. No. 1,247,833; Nov. 27; v. 244; p. 894.
- Water-softening apparatus. L. D. Kinzig. No. 1,220,429; Mar. 27; v. 236; p. 991.
- Water softening or filtering material, Container for. G. H. Widner. No. 1,223,460; Apr. 24; v. 237; p. 960.
- Water-stage indicator. D. W. Proebstel. No. 1,229,785; June 12; v. 239; p. 524.
- Water-sterilizer. G. H. Noble. No. 1,246,146; Nov. 13; v. 244; p. 330.
- Water-supply apparatus. M. J. Hewlett. No. 1,234,024; July 17; v. 240; p. 884.
- Water-supply means for cleaners and peelers. F. M. Schaefer. No. 1,220,865; Mar. 27; v. 236; p. 969.
- Water-supply system. H. W. Kimes. No. 1,247,544; Nov. 20; v. 244; p. 775.
- Water-supply tank, Hot. C. F. Troost. No. 1,247,905; Nov. 27; v. 244; p. 914.
- Water-supplying apparatus, Automatic. W. Hoffa. No. 1,215,152; Feb. 6; v. 235; p. 233.
- Water system. G. Klahre. No. 1,217,958; Mar. 6; v. 236; p. 25.
- Water-system-testing device. E. Kennedy. No. 1,216,699; Feb. 20; v. 235; p. 868.
- Water systems, Float-controlled valve for. J. M. Yater. No. 1,226,840; May 22; v. 238; p. 1063.
- Water-tank. G. T. Horton. No. 1,248,121; Nov. 27; v. 244; p. 973.
- Water-treating apparatus. G. Ornstein. No. 1,233,371; July 17; v. 240; p. 672.
- Water-tube boiler. W. D. Hoxie. No. 1,215,806; Feb. 13; v. 235; p. 500.
- Water-tube boiler. G. Kingsley. No. 1,236,574; Aug. 14; v. 241; p. 368.
- Water-tube boiler. T. T. Parker. No. 1,219,855; Mar. 20; v. 236; p. 751.
- Water-tube boiler. C. A. Parsons and S. S. Cook. No. 1,210,976; Jan. 2; v. 234; p. 207.
- Water-tube boiler. H. A. Turnbull. No. 1,229,171; June 5; v. 239; p. 268.
- Water-tube boiler for submarines. G. C. Davison. No. 1,224,105; Apr. 24; v. 237; p. 1185.
- Water-tube boiler, Vertical. G. T. Ladd. No. 1,238,530; Aug. 28; v. 241; p. 1070.
- Water-wheel-speed increaser. W. M. White. No. 1,223,842; Apr. 24; v. 237; p. 1097.
- Water with radium emanations, Apparatus for impregnating. S. Saubermann. No. 1,239,227; Sept. 4; v. 242; p. 163.
- Waters, Treating ferruginous. L. S. Hughes. No. 1,248,329; Nov. 27; v. 244; p. 1032.
- Waterer, Chicken-. P. Bernard. No. 1,211,054; Jan. 2; v. 234; p. 234.
- Waterer, Hog-. R. A. Gard. No. 1,251,215; Dec. 25; v. 245; p. 934.
- Waterer, Stock-. H. H. and J. Iversen and H. P. Paulsen. No. 1,238,678; Aug. 28; v. 241; p. 1114.
- Waterer, Stock-. F. H. Page. No. 1,249,999; Dec. 11; v. 245; p. 485.
- Waterer, Stock-. P. Paulsen. No. 1,213,897; Jan. 30; v. 234; p. 1347.
- Waterer, Stock-. M. Rodney. No. 1,246,786; Nov. 13; v. 244; p. 521.
- Waterer, Stock-. F. F. and A. A. Schwertfeger. No. 1,231,073; June 26; v. 239; p. 1028.
- Watering apparatus, Stock-. J. C. Jordan. No. 1,215,030; Feb. 6; v. 235; p. 194.
- Watering device, Automatic stock-. O. S. Wagner. No. 1,245,072; Oct. 30; v. 243; p. 1263.
- Watering device for cattle. H. C. Rassmann. (Retissue.) No. 14,308; May 29; v. 238; p. 1610.
- Watering device for cattle. H. C. Rassmann. No. 1,210,693; Jan. 2; v. 234; p. 110.
- Watering device for cattle. H. C. Rassmann. No. 1,237,096; Aug. 14; v. 241; p. 538.

Alphabetical list of inventions—Continued.

- Watering device, Stock. A. N. Eaton. No. 1,220,404; Mar. 27; v. 236; p. 982.
- Watering device, Stock. V. A. Millen. No. 1,212,537; Jan. 16; v. 234; p. 810.
- Watering device, Stock and poultry. E. L. Grant. No. 1,214,455; Jan. 30; v. 234; p. 1536.
- Watering system. J. Nordqvist. No. 1,241,005; Sept. 25; v. 242; p. 819.
- Watering-tank. J. Ward. No. 1,230,056; June 12; v. 239; p. 610.
- Watering-trough. G. C. Atkinson. No. 1,237,447; Aug. 21; v. 241; p. 688.
- Watering-trough. C. F. Scott. No. 1,216,854; Feb. 20; v. 235; p. 921.
- Watering-trough. W. V. Shaw. No. 1,240,785; Sept. 18; v. 242; p. 717.
- Watermarking device. F. O. Scott. No. 1,225,871; May 15; v. 238; p. 699.
- Watermarking mechanism. H. J. Guild. No. 1,231,730; July 3; v. 240; p. 66.
- Waterproof bag for bathers. J. J. Blumberg. No. 1,219,232; Mar. 13; v. 236; p. 504.
- Waterproof composition, Plastic. R. Nesbitt. No. 1,217,335; Feb. 27; v. 235; p. 1129.
- Waterproof elastic fabric. A. C. Squires. No. 1,220,372; Mar. 27; v. 236; p. 971.
- Waterproof fabric. W. O. Stoddard, Jr. No. 1,242,491; Oct. 9; v. 243; p. 364.
- Waterproof fabric and coating. W. H. Adams. No. 1,231,687; July 3; v. 240; p. 51.
- Waterproof filler. L. A. Coleman. No. 1,233,190; July 10; v. 240; p. 579.
- Waterproof material and making same. J. McIntosh. No. 1,236,460; Aug. 14; v. 241; p. 330.
- Waterproof package. W. H. Doble. No. 1,247,239; Nov. 20; v. 244; p. 689.
- Waterproof sheeting and the like. Manufacturing. J. W. H. Dew. No. 1,236,685; Aug. 14; v. 241; p. 406.
- Waterproofing composition and making the same. H. M. Olson. No. 1,242,585; Oct. 9; v. 243; p. 397.
- Waterproofing fabrics, Solution for. T. C. James. No. 1,240,345; Sept. 18; v. 242; p. 581.
- Waterproofing fibrous materials. A. O. Tate. No. 1,228,987; June 5; v. 239; p. 206.
- Waterproofing fibrous materials, Machine for. A. O. Tate. No. 1,215,077; Feb. 6; v. 235; p. 209.
- Waterproofing fibrous materials, Machine for. A. O. Tate. No. 1,228,986; June 5; v. 239; p. 206.
- Waterproofing fibrous materials, Machine for. A. O. Tate. No. 1,228,988; June 5; v. 239; p. 206.
- Waterproofing of fabrics. E. I. Cuthbertson. No. 1,242,327; Oct. 9; v. 243; p. 313.
- Waterproofing sized sheets, Apparatus for. S. Elliott. No. 1,230,068; June 12; v. 239; p. 615.
- Wattmeter. C. W. Davis. No. 1,210,609; Jan. 2; v. 234; p. 79.
- Wave-force-utilizing device. E. B. Arnold. No. 1,214,257; Jan. 30; v. 234; p. 1468.
- Wave-meters for high-frequency oscillations, Current-indicating apparatus for direct-reading. G. Seibt. No. 1,228,065; May 29; v. 238; p. 1507.
- Wave-motor. R. A. Bemis. No. 1,216,927; Feb. 20; v. 235; p. 946.
- Wave-motor. H. E. Fisher. No. 1,220,618; Mar. 27; v. 236; p. 1057.
- Wave-motor. W. C. Fox. No. 1,244,309; Oct. 23; v. 243; p. 994.
- Wave-motor. A. S. Hulden. No. 1,213,104; Jan. 16; v. 234; p. 1009.
- Wave-motor. A. V. Larson. No. 1,223,184; Apr. 17; v. 237; p. 836.
- Wave-motor. R. Rountree. No. 1,227,201; May 22; v. 238; p. 1187.
- Wax and other materials, Apparatus for molding. A. M. Gray. No. 1,225,707; May 8; v. 238; p. 601.
- Wax-pot. F. E. Valois. No. 1,235,860; Aug. 7; v. 241; p. 109.
- Wax, Process and apparatus for removing electrotypes. M. Shaen. No. 1,215,880; Feb. 13; v. 235; p. 528.
- Wax, Sealing. W. O. Snelling. No. 1,239,629; Sept. 11; v. 242; p. 318.
- Waxed or paraffined sheet or web. J. Peterson. No. 1,217,819; Feb. 27; v. 235; p. 1300.
- Waxing threads, Process of and apparatus for. J. F. Houston. No. 1,230,714; June 19; v. 239; p. 868.
- Way-bill and accounting-coupon, Combined. F. P. Small. No. 1,239,977; Sept. 11; v. 242; p. 429.
- Weaner, Calf and cow. J. T. Bauer. No. 1,237,278; Aug. 21; v. 241; p. 632.
- Weaning-bit. W. E. Turner. No. 1,234,425; July 24; v. 240; p. 1052.
- Weaning device. F. E. Knittel. No. 1,214,927; Feb. 6; v. 235; p. 156.
- Weaning-muzzle. F. H. Welch. No. 1,234,839; July 31; v. 240; p. 1212.
- Weapon. T. Deligianes. No. 1,222,540; Apr. 10; v. 237; p. 571.
- Weapon. P. Pys. No. 1,238,820; Sept. 4; v. 242; p. 32.
- Weapon, Combination-. A. Svalina. No. 1,242,265; Oct. 9; v. 243; p. 293.
- Wear-surfaces, Facing means for. M. A. Droitcour. No. 1,245,324; Nov. 6; v. 244; p. 55.
- Weather-boarding gage. O. C. Watkins. No. 1,229,356; June 12; v. 239; p. 381.
- Weather-cap. J. C. Boyton and O. H. Nickerson. No. 1,224,131; May 1; v. 238; p. 5.
- Weather-stop. P. L. Hudson. No. 1,213,103; Jan. 16; v. 234; p. 1008.
- Weather-strip. J. R. Adams. No. 1,233,536; July 17; v. 240; p. 727.
- Weather-strip. A. Ackley. No. 1,216,042; Feb. 13; v. 235; p. 587.
- Weather-strip. J. T. Allmand. No. 1,226,159; May 15; v. 238; p. 798.
- Weather-strip. R. W. Cross. No. 1,247,377; Nov. 20; v. 244; p. 727.
- Weather-strip. A. E. Decker. No. 1,240,685; Sept. 18; v. 242; p. 686.
- Weather-strip. L. Ender. No. 1,229,920; June 12; v. 239; p. 569.
- Weather-strip. G. C. Gilstrap. No. 1,212,206; Jan. 16; v. 234; p. 691.
- Weather-strip. J. W. Henry. No. 1,215,021; Feb. 6; v. 235; p. 191.
- Weather-strip. A. M. Lane. No. 1,231,621; July 3; v. 240; p. 27.
- Weather-strip. H. W. Lent. No. 1,245,473; Nov. 6; v. 244; p. 99.
- Weather-strip. W. R. Proctor. No. 1,240,603; Sept. 18; v. 242; p. 660.
- Weather-strip. A. C. Taylor. No. 1,223,445; Apr. 24; v. 237; p. 955.
- Weather-strip construction, Car-door. P. Frantz. No. 1,228,548; June 5; v. 239; p. 59.
- Weather-strip for sheet-metal window-screens. W. W. Watson. No. 1,241,687; Oct. 2; v. 243; p. 70.
- Weather-strip for windows. G. R. Siefken. No. 1,245,393; Nov. 6; v. 244; p. 75.
- Weather-strip, Metal. A. M. Lane. No. 1,219,009; Mar. 13; v. 236; p. 430.
- Weather-strip, Metal. A. Solem. No. 1,221,001; Mar. 27; v. 236; p. 1185.
- Weather-stripping, Metal. A. M. Lane. No. 1,231,622; July 3; v. 240; p. 27.
- Weather-vane, Electrically-indicating. F. L. Washburne and G. E. Kimmerle. No. 1,213,714; Jan. 23; v. 234; p. 1253.
- Weather-vane indicator. V. Markkula. No. 1,219,126; Mar. 13; v. 236; p. 468.
- Weatherproofing structure. J. E. Marsden. No. 1,249,651; Dec. 11; v. 245; p. 383.
- Weaving horsehair cloth. H. J. and E. Schwebm. No. 1,219,674; Mar. 20; v. 236; p. 689.
- Web-cutting machine. R. C. Seymour. No. 1,248,023; Nov. 27; v. 244; p. 946.
- Web-fastener. W. Achtmeyer. No. 1,225,555; May 8; v. 238; p. 550.
- Web gage and detector. C. W. Newell. No. 1,219,345; Mar. 13; v. 236; p. 543.
- Web-guiding device, Automatic. W. I. Lewis. No. 1,233,257; July 10; v. 240; p. 598.
- Web-press. H. A. W. Wood. No. 1,238,614; Aug. 28; v. 241; p. 1095.
- Web stretching and guiding device. J. T. Bolton. No. 1,237,607; Aug. 21; v. 241; p. 738.
- Web-supporting device. H. A. W. Wood. No. 1,237,595; Aug. 21; v. 241; p. 735.
- Web-winding machine. R. Burt. No. 1,236,669; Aug. 14; v. 241; p. 400.
- Webs having raised designs, Manufacturing fancy. E. Zeidler. No. 1,223,018; Apr. 17; v. 237; p. 777.
- Wedge, Adjustable. J. B. Swan. No. 1,239,538; Sept. 11; v. 242; p. 289.
- Wedge, Composite. A. J. McArthur. No. 1,237,532; Aug. 21; v. 241; p. 715.
- Wedges, Apparatus for producing photometric. J. T. MacCurdy and H. N. Russell. No. 1,245,606; Nov. 6; v. 244; p. 141.
- Weed and seed destroyer. A. N. Spangelo. No. 1,235,392; July 31; v. 240; p. 1382.
- Weed-cutter. R. R. Dupler. No. 1,243,495; Oct. 16; v. 243; p. 711.
- Weed-cutter. B. T. Lane. No. 1,234,352; July 24; v. 240; p. 1027.
- Weed-cutter. C. G. Sigurd. No. 1,214,383; Jan. 30; v. 234; p. 1514.
- Weed-cutter. O. G. Snider. No. 1,219,875; Mar. 20; v. 236; p. 758.
- Weed-cutter. S. F. Weitman. No. 1,222,701; Apr. 17; v. 237; p. 670.
- Weed-cutting machine. W. A. Schubert. No. 1,244,646; Oct. 30; v. 243; p. 1133.
- Weed-destroyer. H. M. Williams and J. W. Dean. No. 1,238,861; Sept. 4; v. 242; p. 45.
- Weed-destroying machine. C. W. Thompson. No. 1,234,581; July 24; v. 240; p. 1101.
- Weed-extinator. D. W., F. L., and H. A. Mannhardt. No. 1,223,817; Apr. 24; v. 237; p. 1089.
- Weed-puller. J. B. Hinthorn. No. 1,245,920; Nov. 6; v. 244; p. 235.
- Weed-puller. H. C. Johnson. No. 1,245,924; Nov. 6; v. 244; p. 236.
- Weed-puller. M. E. Peltz. No. 1,242,468; Oct. 9; v. 243; p. 358.

- Weed-puller. L. Schaier. No. 1,224,571; May 1; v. 238; p. 163.
- Weeder. P. B. Bateman. No. 1,251,324; Dec. 25; v. 245; p. 967.
- Weeder. J. Lillpakka. No. 1,228,935; June 5; v. 239; p. 189.
- Weeder. B. F. Linse. No. 1,226,980; May 22; v. 238; p. 1113.
- Weeder. K. McLeod. No. 1,218,436; Mar. 6; v. 236; p. 190.
- Weeder. R. Strode. No. 1,219,880; Mar. 20; v. 236; p. 760.
- Weeder. S. B. Svendsen. No. 1,239,316; Sept. 4; v. 242; p. 191.
- Weeder. W. W. Wilt. No. 1,212,303; Jan. 16; v. 234; p. 729.
- Weeder and cultivator. W. F. Menzenbach. No. 1,244,531; Oct. 30; v. 243; p. 1099.
- Weeder and cultivator, Combined. B. H. Fletcher. No. 1,218,541; Mar. 6; v. 236; p. 225.
- Weeder and cultivator, Combined. E. F. Rowe. No. 1,212,563; Jan. 16; v. 234; p. 820.
- Weeder and cultivator, Rotary. J. Matney. No. 1,227,166; May 22; v. 238; p. 1177.
- Weeder and cultivator, Rotary. S. S. Swanson. No. 1,224,975; May 8; v. 238; p. 353.
- Weeder, Lawn-. E. C. Leaman. No. 1,244,344; Oct. 23; v. 243; p. 1005.
- Weeder, Rod-. H. A. Fager. No. 1,234,453; July 24; v. 240; p. 1061.
- Weeder, Rotary. I. C. Horst. No. 1,244,982; Oct. 30; v. 243; p. 1235.
- Weeder, Rotary-rod. G. H. Wolfe. No. 1,232,149; July 3; v. 240; p. 208.
- Weeding-machine. G. E. Howe. No. 1,216,123; Feb. 13; v. 235; p. 616.
- Weevil-destroying apparatus. J. Kasmeier. No. 1,232,323; July 3; v. 240; p. 263.
- Weevils, Preventing ravages of. T. G. Blacklock. No. 1,232,759; July 10; v. 240; p. 440.
- Weft-bobbin. E. H. Ryon. No. 1,220,685; Mar. 27; v. 236; p. 1079.
- Weft-threads, Method of and apparatus for straightening. J. Lowe and J. J. Lyth. No. 1,222,776; Apr. 17; v. 237; p. 694.
- Weigher and sacker. C. F. Nelson. No. 1,217,334; Feb. 27; v. 235; p. 1129.
- Weigher, Liquid-. G. D. Livingston. No. 1,223,593; Apr. 24; v. 237; p. 1008.
- Weighing and packing machine, Combined. A. W. Thomas. No. 1,246,354; Nov. 13; v. 244; p. 393.
- Weighing apparatus. J. Dobson. No. 1,212,027; Jan. 9; v. 234; p. 602.
- Weighing apparatus. P. Ghezzi. No. 1,246,259; Nov. 13; v. 244; p. 364.
- Weighing apparatus. B. D. Pinkney. No. 1,240,600; Sept. 18; v. 242; p. 659.
- Weighing apparatus. E. Schenk. No. 1,232,983; July 10; v. 240; p. 511.
- Weighing apparatus, Automatic. C. Gibson. No. 1,242,794; Oct. 9; v. 243; p. 462.
- Weighing apparatus, Automatic. J. L. Morris. No. 1,249,991; Dec. 11; v. 245; p. 483.
- Weighing apparatus, Automatic. D. B. Williams. No. 1,222,913; Apr. 17; v. 237; p. 741.
- Weighing-balance. W. Sims. No. 1,230,232; June 19; v. 239; p. 709.
- Weighing device. C. L. Bond. No. 1,234,123; July 24; v. 240; p. 952.
- Weighing device for forks or shovels. D. Heaney. No. 1,210,644; Jan. 2; v. 234; p. 93.
- Weighing-machine. F. C. Balmert. No. 1,235,000; July 31; v. 240; p. 1266.
- Weighing-machine. A. C. Dodge. No. 1,236,686; Aug. 14; v. 241; p. 406.
- Weighing-machine. P. Edtbauer. No. 1,224,289; May 1; v. 238; p. 63.
- Weighing-machine. J. J. Sewall. No. 1,231,952; July 3; v. 240; p. 139.
- Weighing-machine. B. H. Winters and N. C. Massey. No. 1,225,387; May 8; v. 238; p. 494.
- Weighing machine, Automatic. W. Clothier. No. 1,238,886; Sept. 4; v. 242; p. 53.
- Weighing machine, Grain-. S. B. Orr. No. 1,217,050; Feb. 20; v. 235; p. 987.
- Weighing mechanism, Automatic. I. D. Thornburgh. No. 1,247,903; Nov. 27; v. 244; p. 913.
- Weighing mechanism, Automatic indicating. W. A. Benton. No. 1,228,284; May 29; v. 238; p. 1576.
- Weighing mechanism, Recording. R. S. Ogilvy and O. A. Wood. No. 1,249,656; Dec. 11; v. 245; p. 384.
- Weighing-shovel. D. M. Myers. No. 1,232,960; July 10; v. 240; p. 504.
- Weight grading-machine. W. D. Honohan. No. 1,224,379; May 1; v. 238; p. 95.
- Weight lifter, Hitching-. C. T. Smith. No. 1,217,354; Feb. 27; v. 235; p. 1136.
- Weight-motor. J. Skandora. No. 1,225,685; May 8; v. 238; p. 593.
- Weight-testing machine. E. H. Waugh. No. 1,229,838; June 12; v. 239; p. 542.
- Weir, lock, and the like. J. Stocker. No. 1,246,007; Nov. 6; v. 244; p. 257.
- Weir-tank. J. J. Hoppes. No. 1,239,601; Sept. 11; v. 242; p. 309.
- Welded tube and flange, Electrically-. T. E. Murray. No. 1,219,138; Mar. 13; v. 236; p. 472.
- Welder, Arc-. A. H. Homrighaus. No. 1,238,406; Aug. 28; v. 241; p. 1029.
- Welder, Combined spot and butt. E. Thomson. No. 1,220,997; Mar. 27; v. 236; p. 1183.
- Welder, Electric. E. A. Buckman. No. 1,220,598; Mar. 27; v. 236; p. 1050.
- Welding a protective covering of copper to an iron or steel body. J. Kirby. No. 1,211,715; Jan. 9; v. 234; p. 490.
- Welding a threaded tube in a sleeve or ferrule. T. E. Murray. No. 1,220,772; Mar. 27; v. 236; p. 1108.
- Welding and articles produced thereby, Electric. A. C. Taylor. No. 1,243,004; Oct. 16; v. 243; p. 564.
- Welding and repairing. J. H. Reid. No. 1,246,658; Nov. 13; v. 244; p. 484.
- Welding and soldering, Electric. F. A. Costello. No. 1,248,813; Dec. 4; v. 245; p. 115.
- Welding and soldering of articles constructed of aluminum, Composition of matter for the. C. C. Wells. No. 1,239,854; Sept. 11; v. 242; p. 392.
- Welding apparatus. H. E. Butcher. No. 1,247,501; Nov. 20; v. 244; p. 763.
- Welding apparatus. H. G. Davis. No. 1,233,452; July 17; v. 240; p. 700.
- Welding apparatus. P. E. Hunter. No. 1,219,317; Mar. 13; v. 236; p. 533.
- Welding apparatus. E. A. Shuler. No. 1,238,206; Aug. 28; v. 241; p. 963.
- Welding apparatus, Arc-. J. F. Lincoln. No. 1,224,307; May 1; v. 238; p. 60.
- Welding apparatus, Arc-. E. S. Zuck. No. 1,233,434; July 17; v. 240; p. 693.
- Welding apparatus, Electric. J. P. Cluley. No. 1,221,512; Apr. 3; v. 237; p. 180.
- Welding apparatus, Electric. H. S. Holmes. No. 1,220,848; Mar. 27; v. 236; p. 1136.
- Welding apparatus, Electric. L. S. Lachman. No. 1,237,915; Aug. 21; v. 241; p. 835.
- Welding apparatus, Electric. T. E. Murray. No. 1,223,092; Apr. 17; v. 237; p. 802.
- Welding apparatus, Electric. G. H. Schkommodau. No. 1,248,927; Dec. 4; v. 245; p. 146.
- Welding apparatus, Electric. A. C. Taylor. No. 1,247,741; Nov. 27; v. 244; p. 866.
- Welding apparatus, Electric spot-. L. S. Lachman. No. 1,234,673; July 24; v. 240; p. 1129.
- Welding apparatus, Electrical. T. E. Murray. No. 1,219,136; Mar. 13; v. 236; p. 472.
- Welding apparatus, Electrical. T. E. Murray. No. 1,219,137; Mar. 13; v. 236; p. 472.
- Welding apparatus, Seam-. H. G. Davis. No. 1,233,451; July 17; v. 240; p. 700.
- Welding apparatus, Tube-. T. Draper. No. 1,218,751; Mar. 13; v. 236; p. 338.
- Welding bonds to rails, Method of and electrode for. A. B. Herrick. No. 1,211,313; Jan. 2; v. 234; p. 321.
- Welding-controller. L. P. Coulter. No. 1,215,913; Feb. 13; v. 235; p. 539.
- Welding-controller. L. P. Coulter. No. 1,215,914; Feb. 13; v. 235; p. 539.
- Welding-controller. C. T. Evans. No. 1,215,921; Feb. 13; v. 235; p. 542.
- Welding, Electric. P. A. E. Armstrong. No. 1,241,190; Oct. 2; v. 243; p. 139.
- Welding, Electric. C. B. Auel. No. 1,229,700; June 12; v. 239; p. 496.
- Welding, Electric. S. C. Cary. No. 1,226,639; May 22; v. 238; p. 995.
- Welding, Electric. S. C. Cary. No. 1,230,114; June 19; v. 239; p. 669.
- Welding, Electric. H. Geisenhöner. No. 1,242,171; Oct. 9; v. 243; p. 264.
- Welding, Electric. O. A. Kenyon. No. 1,218,265; Mar. 6; v. 236; p. 133.
- Welding, Electric. O. A. Kenyon. No. 1,218,266; Mar. 6; v. 236; p. 133.
- Welding, Electric. O. A. Kenyon. No. 1,218,267; Mar. 6; v. 236; p. 134.
- Welding, Electric. O. A. Kenyon. No. 1,218,268; Mar. 6; v. 236; p. 134.
- Welding, Electric. O. A. Kenyon. No. 1,218,269; Mar. 6; v. 236; p. 134.
- Welding, Electric. O. A. Kenyon. No. 1,229,288; June 12; v. 239; p. 357.
- Welding, Electric. C. H. Kicklighter. No. 1,236,091; Aug. 7; v. 241; p. 181.
- Welding, Electric. T. E. Murray. No. 1,220,776; Mar. 27; v. 236; p. 1109.
- Welding, Electric. J. A. Seede. No. 1,225,509; May 8; v. 238; p. 534.
- Welding, Electric. H. M. Smith and W. W. Stanley. No. 1,249,532; Dec. 11; v. 245; p. 350.
- Welding, Electric. R. D. Thomson. No. 1,225,373; May 8; v. 238; p. 490.
- Welding, Electrical. T. E. Murray. No. 1,220,770; Mar. 27; v. 236; p. 1107.
- Welding, Electrical. T. E. Murray. No. 1,220,774; Mar. 27; v. 236; p. 1108.

Alphabetical list of inventions—Continued.

- Welding-electrode and process of welding. P. A. E. Armstrong. No. 1,241,899; Oct. 2; v. 243; p. 138.
- Welding end of a tube within a sleeve or socket, Electrically. T. E. Murray. No. 1,219,139; Mar. 13; v. 236; p. 473.
- Welding, heating, and metal-working, and apparatus therefor, Method of electric-arc. C. L. Coffin. No. 1,216,947; Feb. 20; v. 235; p. 952.
- Welding, heating, and metal-working and apparatus therefor, Method of electric-arc. C. L. Coffin. No. 1,244,705; Oct. 30; v. 243; p. 1152.
- Welding, heating, and metal-working, Arc. C. L. Coffin. No. 1,243,589; Oct. 16; v. 243; p. 738.
- Welding-machine. J. T. Fagan and C. H. Quackenbush. No. 1,213,852; Jan. 30; v. 234; p. 1330.
- Welding-machine. J. F. Makowski. No. 1,234,365; July 24; v. 240; p. 1032.
- Welding-machine. W. H. Spire. No. 1,228,843; June 5; v. 239; p. 161.
- Welding-machine, Electric. P. Fäszler. No. 1,213,174; Jan. 23; v. 234; p. 1066.
- Welding-machine, Electric. L. S. Lachman. No. 1,228,450; June 5; v. 239; p. 25.
- Welding-machine, Electric. T. E. Murray. No. 1,215,964; Feb. 13; v. 235; p. 558.
- Welding-machine, Electric. T. E. Murray and H. R. Woodrow. No. 1,233,688; July 17; v. 240; p. 777.
- Welding-machine, Electric. R. C. Pierce. No. 1,235,524; July 31; v. 240; p. 1423.
- Welding-machine, Electric. J. M. Sparkes. No. 1,228,842; June 5; v. 239; p. 160.
- Welding-machine. Electric. H. R. Woodrow. No. 1,212,869; Jan. 16; v. 234; p. 927.
- Welding machine, Electric chain-. J. R. Grove. No. 1,218,397; Mar. 6; v. 236; p. 177.
- Welding, Making hollow metal objects by electrical. T. E. Murray and H. R. Woodrow. No. 1,223,091; Apr. 17; v. 237; p. 802.
- Welding method and apparatus, Electric. L. S. Lachman. No. 1,228,032; May 29; v. 238; p. 1495.
- Welding or cutting apparatus, Safety means for autogenous. R. E. Bruckner. No. 1,227,881; May 29; v. 238; p. 1444.
- Welding or cutting equipment, Portable gas. H. Cave. No. 1,244,030; Oct. 23; v. 243; p. 911.
- Welding pipe by electricity, Mechanism for. C. Mark and C. O. Bergman. No. 1,226,350; May 15; v. 238; p. 865.
- Welding system. E. E. Eby. No. 1,229,728; June 12; v. 239; p. 504.
- Welding system. E. E. Eby and S. W. Farnsworth. No. 1,229,727; June 12; v. 239; p. 504.
- Welding system, Electric. A. D. Keene. No. 1,246,106; Nov. 13; v. 244; p. 317.
- Welding-tool. L. Wolf. No. 1,218,503; Mar. 6; v. 236; p. 212.
- Welding-tool, Electric. W. E. Symons. No. 1,240,900; Sept. 25; v. 242; p. 786.
- Welding-tool, Electric. W. E. Symons. No. 1,240,901; Sept. 25; v. 242; p. 787.
- Welding-tool, Electric. G. L. Thornton. No. 1,211,009; Jan. 2; v. 234; p. 219.
- Welding tubes. J. C. Moon. No. 1,229,774; June 12; v. 239; p. 520.
- Welding tubes, Electrically. J. Sacek. No. 1,213,422; Jan. 23; v. 234; p. 1153.
- Welding tubes in sleeves, Means for electrically. T. E. Murray. No. 1,215,966; Feb. 13; v. 235; p. 559.
- Well, Apparatus for washing with slime the bore end of a. I. Podobiedoff. No. 1,240,773; Sept. 18; v. 242; p. 714.
- Well attachment. E. L. Baker. No. 1,246,842; Nov. 20; v. 244; p. 574.
- Well-auger. C. D. Stilwell. No. 1,241,051; Sept. 25; v. 242; p. 832.
- Well-boring apparatus. C. E. Wilcox. No. 1,220,919; Mar. 27; v. 236; p. 1157.
- Well-boring apparatus. C. E. Wilcox. No. 1,235,866; Aug. 7; v. 241; p. 110.
- Well-boring stem. M. E. Layne. No. 1,223,591; Apr. 24; v. 237; p. 1007.
- Well-boring tool, Safety rotary. C. F. and M. H. Whittier. No. 1,217,079; Feb. 20; v. 235; p. 996.
- Well-capping device, Oil-. O. T. Milligan. No. 1,249,167; Dec. 4; v. 245; p. 213.
- Well-casing. P. Boyd and A. M. Saunders. No. 1,225,005; May 8; v. 238; p. 364.
- Well-casing head, Oil-. D. L. Maxwell. No. 1,228,686; June 5; v. 239; p. 105.
- Well-casing-lifting clamp. E. Kibele. No. 1,231,616; July 3; v. 240; p. 26.
- Well-casings, Release-joint for. H. B. Walker. No. 1,243,364; Oct. 16; v. 243; p. 672.
- Well-casings, Thread-protector for. G. Sutton. No. 1,231,450; June 26; v. 239; p. 1154.
- Well-casings, Top-closure for oil-. A. G. Willard. No. 1,220,998; Mar. 27; v. 236; p. 1184.
- Well-cleaning apparatus, Deep-. G. W. Deats. No. 1,235,294; July 31; v. 240; p. 1354.
- Well-cleaning apparatus, Deep-. G. W. Deats. No. 1,235,770; Aug. 7; v. 241; p. 78.
- Well-cleaning device. D. A. Carden. No. 1,230,666; June 19; v. 239; p. 852.
- Well-curbing. A. B. Grodaes. No. 1,232,534; July 10; v. 240; p. 365.
- Well curbing, Artesian-. J. B. Johnson. No. 1,223,796; Apr. 24; v. 237; p. 1082.
- Well-drill. A. C. Miller. No. 1,244,882; Oct. 30; v. 243; p. 1206.
- Well drill, Oil-. R. B. Parker and R. C. Spurlock. No. 1,238,563; Aug. 28; v. 241; p. 1080.
- Well drills, Swivel-socket for oil and gas. J. H. Kuhns. No. 1,212,962; Jan. 16; v. 234; p. 959.
- Well-drilling apparatus. W. A. McCausland. No. 1,211,198; Jan. 2; v. 234; p. 281.
- Well-drilling apparatus. A. Runnion. No. 1,235,385; July 31; v. 240; p. 1380.
- Well-drilling apparatus, Oil-. J. V. Thompson. No. 1,225,891; May 15; v. 238; p. 705.
- Well-drilling bit. G. L. Lane. No. 1,218,671; Mar. 13; v. 236; p. 308.
- Well-drilling machine. W. K. Riley. No. 1,245,274; Nov. 6; v. 244; p. 39.
- Well-drilling machinery. W. A. McCausland. No. 1,211,199; Jan. 2; v. 234; p. 282.
- Well-drilling tool. H. F. Schubert. No. 1,210,704; Jan. 2; v. 234; p. 114.
- Well-drilling tools, Safety attachment for. J. C. Theriot. No. 1,212,848; Jan. 16; v. 234; p. 919.
- Well heater, Oil-. V. Truman and G. L. Skillen. No. 1,232,736; July 10; v. 240; p. 431.
- Well or subterranean reservoir for use in irrigation and other purposes. E. Newsom. No. 1,241,003; Sept. 25; v. 242; p. 818.
- Well-packer. P. H. Mack. No. 1,248,882; Dec. 4; v. 245; p. 135.
- Well-packers, Means for removing and disengaging. H. B. Walker. No. 1,214,622; Feb. 6; v. 235; p. 49.
- Well packer, Oil-. P. H. Mack. No. 1,248,881; Dec. 4; v. 245; p. 134.
- Well-packing. J. G. Lindsay. No. 1,246,957; Nov. 20; v. 244; p. 608.
- Well point and strainer. M. W. Smith. No. 1,236,615; Aug. 14; v. 241; p. 382.
- Well point and strainer, Driven-. G. C. Cross. No. 1,211,415; Jan. 9; v. 234; p. 390.
- Well-producing or earth-boring. R. E. Leonard. No. 1,233,888; July 17; v. 240; p. 841.
- Well rig, Oil-. R. R. Pollak. No. 1,244,240; Oct. 23; v. 243; p. 973.
- Well-rigs, Bull or calf wheel for. C. S. Ross. No. 1,235,504; July 31; v. 240; p. 1416.
- Well-screen. H. E. Hanson. No. 1,223,969; Apr. 24; v. 237; p. 1140.
- Well-sinking apparatus. M. T. Chapman. No. 1,248,614; Dec. 4; v. 245; p. 56.
- Well-sinking apparatus. B. L. Palmer. No. 1,226,989; May 22; v. 238; p. 1116.
- Well swivels, Valve means for oil-. H. B. Lincoln. No. 1,217,467; Feb. 27; v. 235; p. 1176.
- Wells, Device for raising buckets from. M. W. Morrison. No. 1,250,619; Dec. 18; v. 245; p. 709.
- Wells, Device for recovering pipes, shafts, &c., from. S. P. Colgan and W. Frederick. No. 1,223,034; Apr. 17; v. 237; p. 783.
- Wells, Device for withdrawing samples from. R. D. Dodds. No. 1,247,092; Nov. 20; v. 244; p. 646.
- Wells, Gas-relief valve for oil-. D. M. Lynn. No. 1,238,165; Aug. 28; v. 241; p. 950.
- Wells, Shooting oil-. J. E. McAvoy. No. 1,248,689; Dec. 4; v. 245; p. 77.
- Well-beating machine. M. F. Brogan. No. 1,234,276; July 24; v. 240; p. 1002.
- Welt, Finishing-. R. C. Schemmel. No. 1,226,600; May 15; v. 238; p. 943.
- Well-fitting machine. J. A. Brogan. No. 1,249,590; Dec. 11; v. 245; p. 366.
- Well-preparing machine. J. A. Brogan. No. 1,241,087; Sept. 25; v. 242; p. 844.
- Well-stretching machine. L. J. Bedard. No. 1,238,625; Aug. 28; v. 241; p. 1099.
- Welting. J. A. Brogan. No. 1,241,088; Sept. 25; v. 242; p. 844.
- Welting-cutting apparatus. T. Martin. No. 1,228,365; May 29; v. 238; p. 1604.
- Welting, Machine for preparing. E. H. Bastable. No. 1,235,955; Aug. 7; v. 241; p. 140.
- Welting, Preparing. J. A. Brogan. No. 1,241,089; Sept. 25; v. 242; p. 845.
- Wet machine. H. G. Cram and C. A. Parsons. No. 1,225,778; May 15; v. 238; p. 668.
- Wheat and other grains, Cleaning. A. C. Von Hagen. No. 1,221,636; Apr. 3; v. 237; p. 220.
- Wheat, Treating. A. C. Von Hagen. No. 1,237,425; Aug. 21; v. 241; p. 680.
- Wheat washing, rinsing, and drying machine. C. Dawson. No. 1,231,002; June 26; v. 239; p. 1004.
- Wheel—See—
- Abrasive wheel. Caterpillar-wheel.
- Artillery-carriage wheel. Chopping-wheel.
- Auto-wheel. Cushion-wheel.
- Automobile wheel. Cushion-tired wheel.
- Automobile steering-wheel. Cutting-wheel.
- Bearing-wheel. Cycle motor-wheel.
- Belt-wheel. Demountable wheel.
- Buffing-wheel. Demountable-rim wheel.
- Bull and calf wheel. Detachable wheel.
- Car-wheel. Electric wheel.

- Wheel: *See*—Continued.
- Fifth-wheel. Self-centering demountable wheel.
- Fly-wheel. Shock-absorbing wheel.
- Gear-wheel. Spring-wheel.
- Gear or worm wheel. Spring-spoke wheel.
- Hand-wheel. Sprocket-wheel.
- Metal wheel. Steering-wheel.
- Metallic wheel. Toothed wheel.
- Metallic-spoked wheel. Traction-wheel.
- Paddle-wheel. Traction bearing-wheel.
- Piston-wheel. Tractor-wheel.
- Planter-wheel. Tractor drive-wheel.
- Planting-wheel. Trolley-wheel.
- Plow-wheel. Trolley-pole wheel.
- Pneumatic wheel. Truck-wheel.
- Pneumatically-tired wheel. Tubular spoked wheel.
- Portable-track wheel. Turbine-wheel.
- Power-wheel. Twin wheel.
- Propelling-wheel. Vehicle-wheel.
- Pulverizing-wheel. Wind-wheel.
- Resilient wheel. Wire wheel.
- Saw filing or grinding wheel.
- Wheel. P. G. Anderson. No. 1,240,003; Sept. 11; v. 242; p. 437.
- Wheel. M. L. Aten. No. 1,246,518; Nov. 13; v. 244; p. 442.
- Wheel. A. L. W. Begg. No. 1,242,641; Oct. 9; v. 243; p. 414.
- Wheel. H. J. Boudreaux. No. 1,223,140; Apr. 17; v. 237; p. 820.
- Wheel. C. E. Cameron. No. 1,227,995; May 29; v. 238; p. 1483.
- Wheel. W. W. Case. No. 1,216,288; Feb. 20; v. 235; p. 724.
- Wheel. J. D. Casey. No. 1,233,842; July 17; v. 240; p. 826.
- Wheel. E. E. Einfeldt. No. 1,211,422; Jan. 9; v. 234; p. 393.
- Wheel. F. T. Farmer. No. 1,239,580; Sept. 11; v. 242; p. 303.
- Wheel. G. P. B. Hoyt. No. 1,228,557; June 5; v. 239; p. 62.
- Wheel. R. R. Hughes. No. 1,248,124; Nov. 27; v. 244; p. 974.
- Wheel. T. B. Ingwersen. No. 1,220,230; Mar. 27; v. 236; p. 919.
- Wheel. W. J. P. Moore. No. 1,243,751; Oct. 23; v. 243; p. 825.
- Wheel. W. G. Passmore. No. 1,217,997; Mar. 6; v. 236; p. 38.
- Wheel. L. H. Perlman. No. 1,230,075; June 12; v. 239; p. 618.
- Wheel. L. H. Perlman. No. 1,237,692; Aug. 21; v. 241; p. 767.
- Wheel. C. H. Peterson. No. 1,219,661; Mar. 20; v. 236; p. 684.
- Wheel. G. Pickering. No. 1,223,829; Apr. 24; v. 237; p. 1093.
- Wheel. L. Potter. No. 1,232,081; July 3; v. 240; p. 185.
- Wheel. J. N. Powers. No. 1,227,197; May 22; v. 238; p. 1186.
- Wheel. R. W. Pringle. No. 1,244,543; Oct. 30; v. 243; p. 1103.
- Wheel. S. S. Rankin. No. 1,244,128; Oct. 23; v. 243; p. 939.
- Wheel. L. J. Rickard. No. 1,236,362; Aug. 7; v. 241; p. 265.
- Wheel. A. P. Stocker. No. 1,221,242; Apr. 3; v. 237; p. 85.
- Wheel. W. H. Wellsted, Sr. No. 1,210,580; Jan. 2; v. 234; p. 70.
- Wheel and jack clamp. L. J. Byers. No. 1,245,085; Oct. 30; v. 243; p. 1266.
- Wheel and making the same. J. H. Wagenhorst. No. 1,234,428; July 24; v. 240; p. 1053.
- Wheel and tire, Vehicle. A. G. Trautman. No. 1,240,630; Sept. 18; v. 242; p. 668.
- Wheel bearing, Vehicle. A. G. Douthit. No. 1,245,094; Oct. 30; v. 243; p. 1270.
- Wheel-block, Metal. A. J. Horan and J. H. Gray. No. 1,228,438; June 5; v. 239; p. 22.
- Wheel carrier for motor-cars, Spare. W. R. M. Very. No. 1,249,564; Dec. 11; v. 245; p. 358.
- Wheel chain, Vehicle. W. G. Mayer. No. 1,235,223; July 31; v. 240; p. 1332.
- Wheel-clamp. W. Frenier. No. 1,240,836; Sept. 25; v. 242; p. 766.
- Wheel-clamp. J. I. Woodard. No. 1,241,459; Sept. 25; v. 242; p. 960.
- Wheel construction. J. W. Carnahan. No. 1,218,593; Mar. 6; v. 236; p. 243.
- Wheel construction. E. E. Einfeldt. No. 1,249,356; Dec. 11; v. 245; p. 300.
- Wheel construction. A. S. Fraser. No. 1,236,921; Aug. 14; v. 241; p. 481.
- Wheel construction. H. W. Sanford. No. 1,250,229; Dec. 18; v. 245; p. 592.
- Wheel construction and mounting. W. M. Cowell. No. 1,235,659; Aug. 7; v. 241; p. 42.
- Wheel construction, Wire. H. L. Hubbard. No. 1,223,977; Apr. 24; v. 237; p. 1142.
- Wheel demountable rim, Vehicle. A. H. Smith. No. 1,229,801; June 12; v. 239; p. 529.
- Wheel-disks, Tool for making. W. E. Williams. No. 1,213,565; Jan. 23; v. 234; p. 1203.
- Wheel drive, Front. C. T. Gorham and C. Kelly. No. 1,234,752; July 31; v. 240; p. 1188.
- Wheel-expander. H. C. Calhoun. No. 1,226,638; May 22; v. 238; p. 995.
- Wheel-fender. W. H. H. Stineman. No. 1,219,602; Mar. 20; v. 236; p. 662.
- Wheel-flange, Collapsible. R. L. Munson. No. 1,221,574; Apr. 3; v. 237; p. 201.
- Wheel-flange lubricator. J. H. Miner. No. 1,213,676; Jan. 23; v. 234; p. 1241.
- Wheel-flange lubricator. T. J. Wholey. No. 1,222,341; Apr. 10; v. 237; p. 501.
- Wheel for automobiles and the like. E. F. Goodyear. No. 1,211,572; Jan. 9; v. 234; p. 443.
- Wheel for motor-vehicles, Detachable or interchangeable. J. S. Foley and F. W. Baker. No. 1,228,310; May 29; v. 238; p. 1585.
- Wheel-guard. J. N. Heald and A. M. Drake. No. 1,250,168; Dec. 18; v. 245; p. 573.
- Wheel guard, Trolley. N. Brown and U. Trudeau. No. 1,236,905; Aug. 14; v. 241; p. 476.
- Wheel-holder. H. E. Jones. No. 1,226,335; May 15; v. 238; p. 860.
- Wheel-lock. O. H. W. Talbott and W. F. Prettyman. No. 1,219,789; Mar. 20; v. 236; p. 727.
- Wheel-lock, Bumper. W. D. Goza. No. 1,241,961; Oct. 2; v. 243; p. 156.
- Wheel lock mechanism, Steering. A. G. Neville. No. 1,237,683; Aug. 21; v. 241; p. 764.
- Wheel lock, Steering. L. Gaines. No. 1,234,748; July 31; v. 240; p. 1187.
- Wheel lock, Steering. A. B. Hessler. No. 1,234,023; July 17; v. 240; p. 884.
- Wheel lock, Steering. C. E. Mentzer. No. 1,234,369; July 24; v. 240; p. 1033.
- Wheel lock, Steering. C. A. Wiedenmann. No. 1,238,609; Aug. 28; v. 241; p. 1094.
- Wheel-locking device, Vehicle. W. E. Burrows. No. 1,235,653; Aug. 7; v. 241; p. 40.
- Wheel-locking mechanism, Steering. J. F. Fullum. No. 1,235,676; Aug. 7; v. 241; p. 46.
- Wheel lubricator, Vehicle. L. L. Schellinger. No. 1,244,248; Oct. 23; v. 243; p. 975.
- Wheel-machine. J. T. Gardner. No. 1,224,628; May 1; v. 238; p. 183.
- Wheel mechanism, Blade. J. A. Armstrong. No. 1,211,524; Jan. 9; v. 234; p. 426.
- Wheel mechanism, Spring. J. E. Strietelmeier. No. 1,217,363; Feb. 27; v. 235; p. 1140.
- Wheel mounting and steering attachment, Front. J. A. Hallner. No. 1,234,034; July 17; v. 240; p. 881.
- Wheel on a shaft, Means for fixing a. I. J. Phillips. No. 1,237,950; Aug. 21; v. 241; p. 847.
- Wheel-pulling device. W. I. Tuttle. No. 1,230,448; June 19; v. 239; p. 779.
- Wheel pulling-jack, Vehicle. F. S. Pattison. No. 1,243,546; Oct. 16; v. 243; p. 726.
- Wheel-rim. O. H. Bartholomew. No. 1,219,798; Mar. 20; v. 236; p. 731.
- Wheel-rim. E. Brown. No. 1,238,879; Sept. 4; v. 242; p. 51.
- Wheel-rim. F. A. Doyle. No. 1,249,922; Dec. 11; v. 245; p. 465.
- Wheel-rim. F. A. Frommann. No. 1,220,410; Mar. 27; v. 236; p. 984.
- Wheel-rim. R. W. Jordan. No. 1,217,458; Feb. 27; v. 235; p. 1174.
- Wheel-rim. E. J. Lobdell. No. 1,223,990; Apr. 24; v. 237; p. 1146.
- Wheel-rim. E. Oliver. No. 1,248,386; Nov. 27; v. 244; p. 1048.
- Wheel-rim. J. T. Ronald. No. 1,228,970; June 5; v. 239; p. 201.
- Wheel-rim. J. T. Ronald. No. 1,233,705; July 17; v. 240; p. 782.
- Wheel-rim. W. E. Williams. No. 1,221,402; Apr. 3; v. 237; p. 141.
- Wheel rim and tire. J. S. Harris. No. 1,226,880; May 22; v. 238; p. 1077.
- Wheel rim and tire. F. Reese. No. 1,231,649; July 3; v. 240; p. 37.
- Wheel rim and tire. R. Wunning. No. 1,227,988; May 29; v. 238; p. 1481.
- Wheel rim and tire construction. H. Radovich. No. 1,235,597; Aug. 7; v. 241; p. 22.
- Wheel rim and tire structure. J. C. Eakens. No. 1,248,636; Dec. 4; v. 245; p. 62.
- Wheel-rim, Demountable. H. R. Bailey. No. 1,236,250; Aug. 7; v. 241; p. 232.
- Wheel-rim, Demountable. F. H. Summeril. No. 1,234,820; July 31; v. 240; p. 1207.
- Wheel rim, Demountable and separable vehicle. H. Mote. No. 1,229,639; June 12; v. 239; p. 476.
- Wheel rim, Demountable vehicle. W. T. Lowrey, Jr. No. 1,250,909; Dec. 18; v. 245; p. 795.
- Wheel rim, Demountable vehicle. R. G. Mason. No. 1,243,087; Oct. 16; v. 243; p. 591.
- Wheel-rim, Detachable. C. D. Paxson. No. 1,223,900; Apr. 24; v. 237; p. 1117.

Alphabetical list of inventions—Continued.

- Wheel-rim equalizing and joint-forming machine. G. A. Ensign and H. D. Traub. No. 1,250,822; Dec. 18; v. 245; p. 769.
- Wheel-rim-expanding tool. H. Kaplan. No. 1,214,315; Jan. 30; v. 234; p. 1491.
- Wheel rim, Steering. O. W. Eastburn, Jr. No. 1,214,288; Jan. 30; v. 234; p. 1481.
- Wheel rim, Vehicle. R. W. Ashley. No. 1,219,064; Mar. 13; v. 236; p. 447.
- Wheel rim, Vehicle. R. W. Ashley. No. 1,224,830; May 1; v. 238; p. 253.
- Wheel rim, Vehicle. R. W. Ashley and F. Oberkirch. No. 1,219,065; Mar. 13; v. 236; p. 448.
- Wheel rim, Vehicle. R. S. Bryant. No. 1,216,278; Feb. 20; v. 235; p. 721.
- Wheel rim, Vehicle. R. S. Bryant. No. 1,216,279; Feb. 20; v. 235; p. 722.
- Wheel rim, Vehicle. R. S. Bryant. No. 1,224,706; May 1; v. 238; p. 210.
- Wheel rim, Vehicle. R. S. Bryant. No. 1,235,537; July 31; v. 240; p. 1428.
- Wheel rim, Vehicle. R. S. Bryant. No. 1,237,613; Aug. 21; v. 241; p. 740.
- Wheel rim, Vehicle. R. S. Bryant. No. 1,237,614; Aug. 21; v. 241; p. 740.
- Wheel rim, Vehicle. A. De Rosa. No. 1,244,037; Oct. 23; v. 243; p. 913.
- Wheel rim, Vehicle. E. N. Hatcher. No. 1,236,301; Aug. 7; v. 241; p. 247.
- Wheel rim, Vehicle. E. C. Shaw. No. 1,240,888; Sept. 25; v. 242; p. 782.
- Wheel rim, Vehicle. J. H. Wagenhorst. No. 1,231,314; June 26; v. 239; p. 1108.
- Wheel rim, Vehicle. J. H. Wagenhorst. No. 1,231,538; June 26; v. 239; p. 1181.
- Wheel rim, Vehicle. J. H. Wagenhorst. No. 1,231,539; June 26; v. 239; p. 1181.
- Wheel rim, Vehicle. J. H. Wagenhorst. No. 1,233,283; July 10; v. 240; p. 606.
- Wheel-rims, Means for removably securing demountable. A. D. Fisher and T. S. Scott. No. 1,250,831; Dec. 18; v. 245; p. 772.
- Wheel-runner for wagons, buggies, and automobiles. A. Marx. No. 1,215,832; Feb. 13; v. 235; p. 510.
- Wheel structure. H. C. Calhoun. No. 1,227,381; May 22; v. 238; p. 1245.
- Wheel structure. O. Thurén. No. 1,211,504; Jan. 9; v. 234; p. 420.
- Wheel-truing device. L. F. Alsworth. No. 1,240,528; Sept. 18; v. 242; p. 638.
- Wheels and means for securing it, Rim for vehicle. T. Heinzerling. No. 1,238,766; Sept. 4; v. 242; p. 14.
- Wheels, Demountable rim for vehicle. P. S. Larson. No. 1,248,850; Nov. 27; v. 244; p. 1038.
- Wheels, Demountable rim for vehicle. N. L. Olson. No. 1,213,241; Jan. 23; v. 234; p. 1089.
- Wheels, Demountable rim for vehicle. F. and N. M. Spranger. No. 1,220,471; Mar. 27; v. 236; p. 1007.
- Wheels, Detachable tread structure for vehicle. A. E. Mueller. No. 1,235,718; Aug. 7; v. 241; p. 60.
- Wheels, Gripping device for tractor. A. Stewart. No. 1,229,541; June 12; v. 239; p. 443.
- Wheels, Gripping device for tractor. A. Stewart. No. 1,232,730; July 10; v. 240; p. 429.
- Wheels, Gripping device for tractor. D. S. and A. Stewart. No. 1,232,866; July 10; v. 240; p. 474.
- Wheels, Guard for grab-bucket power. E. B. Perry. No. 1,248,904; Dec. 4; v. 245; p. 140.
- Wheels, Making corrugated disks for. W. E. Williams. No. 1,213,564; Jan. 23; v. 234; p. 1203.
- Wheels, Making sheet-metal. T. E. Murray. No. 1,215,968; Feb. 13; v. 235; p. 559.
- Wheels, Means for holding demountable rims on. S. R. McKay. No. 1,223,501; Apr. 24; v. 237; p. 976.
- Wheels, Means for holding demountable rims on. S. R. McKay. No. 1,228,795; June 5; v. 239; p. 144.
- Wheels, Non-skid chain attachment for rubber-tired. W. H. Falls. No. 1,235,670; Aug. 7; v. 241; p. 45.
- Wheels, Non-slipping traction device for vehicle. W. H. Pensyres. No. 1,213,131; Jan. 16; v. 234; p. 1017.
- Wheels of self-propelled vehicles, Detachable shoe for the. J. C. Weaver. No. 1,213,044; Jan. 16; v. 234; p. 988.
- Wheels or pulleys, Machine for truing faced. W. R. Anthony. No. 1,250,939; Dec. 25; v. 245; p. 853.
- Wheels or the like, Remover for. B. Dominguez. No. 1,229,725; June 12; v. 239; p. 503.
- Wheels, Removable rim for tractor. H. C. Waite. No. 1,235,401; July 31; v. 240; p. 1385.
- Wheels, Sand-band for vehicle. C. E. Magnuson. No. 1,212,081; Jan. 9; v. 234; p. 619.
- Wheels, Sled-runner attachment for vehicle. G. O. Swanson. No. 1,218,128; Mar. 6; v. 236; p. 84.
- Wheels, Spring-frame for resilient. J. Pronovost. No. 1,220,890; Mar. 27; v. 236; p. 1148.
- Wheels, Traction device for vehicle. J. S. Kingsbury. No. 1,211,453; Jan. 9; v. 234; p. 403.
- Wheels, Traction device for vehicle. C. O. Sneider. No. 1,251,435; Dec. 25; v. 245; p. 999.
- Wheels, Tread-resurfacing device for. J. W. Pemberton. No. 1,221,211; Apr. 3; v. 237; p. 75.
- Wheels, Twin rim for wire-spoked vehicle. J. V. Pugh. No. 1,239,824; Sept. 11; v. 242; p. 382.
- Wheels, Universal drive for motor-vehicle. O. H. Rogers. No. 1,244,778; Oct. 30; v. 243; p. 1174.
- Wheels, Wind-shield for. T. Sloper. No. 1,223,743; Apr. 24; v. 237; p. 1062.
- Wheels, Winding attachment for vehicle. A. G. Wilson and C. O. Oleson. No. 1,229,368; June 12; v. 239; p. 385.
- Wheeled chair. F. Heid. No. 1,235,973; Aug. 7; v. 241; p. 145.
- Wheeled implement. A. S. Krotz. No. 1,215,818; Feb. 13; v. 235; p. 505.
- Wheeler, Self-loading. D. C. Funcheon and A. V. Nutt. No. 1,215,792; Feb. 13; v. 235; p. 495.
- Wheelbarrow. R. E. Booth. No. 1,242,418; Oct. 9; v. 243; p. 342.
- Wheelbarrow. P. Fylling. No. 1,249,737; Dec. 11; v. 245; p. 409.
- Wheelbarrow. I. F. Parker. No. 1,232,387; July 3; v. 240; p. 283.
- Wheelbarrow and truck, Convertible. H. Lemke. No. 1,243,432; Oct. 16; v. 243; p. 693.
- Wheelwright-machine. W. S. Easterly. No. 1,237,762; Aug. 21; v. 241; p. 789.
- Whetstone-holder. A. L. Walker. No. 1,223,127; Apr. 17; v. 237; p. 815.
- Whiffletree. L. A. Paradise. No. 1,246,777; Nov. 13; v. 244; p. 518.
- Whiffletree-hook. C. H. Bolt. No. 1,244,285; Oct. 23; v. 243; p. 987.
- Whiffletree-hook. G. E. Waller. No. 1,226,423; May 15; v. 238; p. 888.
- Whiffletree-iron. L. Z. Pierce. No. 1,228,965; June 5; v. 239; p. 199.
- Whiffletree-thimble. F. E. Ranney. No. 1,251,102; Dec. 25; v. 245; p. 901.
- Whip construction. C. H. Clark. No. 1,250,561; Dec. 18; v. 245; p. 692.
- Whip-holder. S. A. Garber. No. 1,213,860; Jan. 30; v. 234; p. 1333.
- Whip-lock. H. T. Mallen. No. 1,212,977; Jan. 16; v. 234; p. 966.
- Whip-socket. B. F. Erwin. No. 1,216,297; Feb. 20; v. 235; p. 729.
- Whip-socket lock. P. H. Bethea. No. 1,241,331; Sept. 25; v. 242; p. 922.
- Whip-socket, Lock. T. J. Edwards. No. 1,224,619; May 1; v. 238; p. 180.
- Whip-socket. E. W. Wilde. No. 1,215,228; Feb. 6; v. 235; p. 260.
- Whistle, Exhaust. M. G. Bunnell. No. 1,210,898; Jan. 2; v. 234; p. 179.
- Whistle for calliopes. J. E. Ori. No. 1,213,402; Jan. 23; v. 234; p. 1146.
- Whistle, Muffler. B. G. Whitfield. No. 1,241,800; Oct. 2; v. 243; p. 105.
- Whistle, Musical. W. B. Burget. No. 1,250,557; Dec. 18; v. 245; p. 691.
- Whitening and cleaning composition. A. A. Gilson. No. 1,244,597; Oct. 30; v. 243; p. 1119.
- Wick, Metallic-crown. B. Stewart. No. 1,216,511; Feb. 20; v. 235; p. 805.
- Wick-holder. S. S. Booty. No. 1,226,850; May 22; v. 238; p. 1067.
- Wicker chair, Folding. J. A. Fenton. No. 1,240,692; Sept. 18; v. 242; p. 688.
- Wigwag signal. M. S. Morse. No. 1,228,581; June 5; v. 239; p. 70.
- Winch or windlass. W. Noble. No. 1,249,809; Dec. 11; v. 245; p. 431.
- Winch, Transportable power. P. L. Hochon and N. Gjorgievitch. No. 1,243,292; Oct. 16; v. 243; p. 651.
- Wind-gage or anemometer. F. A. Hanks. No. 1,236,296; Aug. 7; v. 241; p. 246.
- Wind instrument. D. Hamblen, Jr. No. 1,222,285; Apr. 10; v. 237; p. 481.
- Wind-motor. K. Bobo. No. 1,243,135; Oct. 16; v. 243; p. 604.
- Wind-motor. E. J. Gallagher. No. 1,248,305; Nov. 27; v. 244; p. 1025.
- Wind-motor. E. C. Rodwick. No. 1,212,109; Jan. 9; v. 234; p. 628.
- Wind-power. T. Jikihara. No. 1,211,161; Jan. 2; v. 234; p. 268.
- Wind-shield. N. E. Baird. No. 1,250,762; Dec. 18; v. 245; p. 751.
- Wind-shield. F. R. Boynton. No. 1,244,462; Oct. 30; v. 243; p. 1078.
- Wind-shield. F. R. Boynton. No. 1,251,332; Dec. 25; v. 245; p. 969.
- Wind-shield. C. P. Chamberlin. No. 1,221,805; Apr. 3; v. 237; p. 279.
- Wind-shield. F. A. Dillingham. No. 1,236,550; Aug. 14; v. 241; p. 360.
- Wind-shield. M. Doujak. No. 1,227,595; May 29; v. 238; p. 1345.
- Wind-shield. K. Felicke. No. 1,215,133; Feb. 6; v. 235; p. 226.
- Wind-shield. M. G. Fox. No. 1,223,780; Apr. 24; v. 237; p. 1076.
- Wind-wheel. F. P. Gay. No. 1,230,885; June 26; v. 239; p. 963.
- Wind-shield. N. Goldberg. No. 1,218,994; Mar. 13; v. 236; p. 424.
- Wind-shield. N. Goldberg. No. 1,226,203; May 15; v. 238; p. 512.

- Wind-shield. O. Higel. No. 1,249,397; Dec. 11; v. 245; p. 310.
- Wind-shield. P. N. Landine. No. 1,251,055; Dec. 25; v. 245; p. 887.
- Wind-shield. W. F. Polson. No. 1,215,407; Feb. 13; v. 235; p. 355.
- Wind-shield. A. Rosner. No. 1,248,921; Dec. 4; v. 245; p. 144.
- Wind-shield. C. F. Wensinger. No. 1,219,513; Mar. 20; v. 236; p. 631.
- Wind-shield and the like cleaner. W. Stevenson. No. 1,221,485; Apr. 3; v. 237; p. 169.
- Wind-shield attachment. J. Bauer. No. 1,225,746; May 15; v. 238; p. 657.
- Wind-shield attachment. M. E. N. Ludlow. No. 1,215,174; Feb. 6; v. 235; p. 240.
- Wind-shield clamp. W. H. Douglas. No. 1,247,242; Nov. 20; v. 244; p. 690.
- Wind-shield cleaner. G. D. Fleak. No. 1,217,740; Feb. 27; v. 235; p. 1273.
- Wind-shield cleaner. H. R. Mansfield. No. 1,241,644; Oct. 2; v. 243; p. 57.
- Wind-shield cleaner. R. H. Owen. No. 1,248,701; Dec. 4; v. 245; p. 80.
- Wind-shield cleaner. J. H. Snudden. No. 1,249,683; Dec. 11; v. 245; p. 393.
- Wind-shield cleaner. C. W. J. Thiebauth. No. 1,249,246; Dec. 4; v. 245; p. 237.
- Wind-shield cleaner. T. L. Van Giesen and D. F. Fox. No. 1,231,973; July 3; v. 240; p. 146.
- Wind-shield cleaner. O. E. Wall. No. 1,227,100; May 22; v. 238; p. 1153.
- Wind-shield cleaner. C. G. Wilkinson. No. 1,236,800; Aug. 14; v. 241; p. 444.
- Wind-shield cleaning implement. F. H. Ilse. No. 1,251,036; Dec. 25; v. 245; p. 882.
- Wind-shield guard. V. M. Ralph. No. 1,223,205; Apr. 17; v. 237; p. 842.
- Wind-shield support. A. J. Diefenderfer. No. 1,211,420; Jan. 9; v. 234; p. 392.
- Wind-shield ventilator. B. E. M. Watson. No. 1,248,218; Nov. 27; v. 244; p. 1000.
- Wind-shields, Hinge or pivot construction for. E. L. Ackerman. No. 1,243,794; Oct. 23; v. 243; p. 839.
- Wind-shields, Lock-joint for. S. R. Bailey. No. 1,214,260; Jan. 30; v. 234; p. 1470.
- Wind-shields, Spot-light attachment for. C. L. De Martin. No. 1,250,812; Dec. 18; v. 245; p. 766.
- Wind-shields, Ventilator attachment for. F. A. Smith. No. 1,223,119; Apr. 17; v. 237; p. 812.
- Wind-wheel. C. C. Jackson. No. 1,225,033; May 8; v. 238; p. 373.
- Wind-wheel. C. E. Rubottom. No. 1,249,206; Dec. 4; v. 245; p. 224.
- Windmill. A. Brzykey. No. 1,241,918; Oct. 2; v. 243; p. 144.
- Windmill. J. S. Doak. No. 1,231,242; June 26; v. 239; p. 1085.
- Windmill. A. F. George. No. 1,228,660; June 5; v. 239; p. 96.
- Windmill. B. J. MacEwen. No. 1,214,340; Jan. 30; v. 234; p. 1499.
- Windmill. M. C. Nixon. No. 1,246,008; Nov. 6; v. 244; p. 258.
- Windmill. J. C. Prewitt and C. Hendricks. No. 1,221,090; Apr. 3; v. 237; p. 31.
- Windmill. G. S. Solomon. No. 1,234,405; July 24; v. 240; p. 1045.
- Windmill. E. M. Souville. No. 1,246,484; Nov. 13; v. 244; p. 432.
- Windmill. M. Troyanoski. No. 1,249,859; Dec. 11; v. 245; p. 446.
- Windmill. T. H. Williamson. No. 1,224,049; Apr. 24; v. 237; p. 1166.
- Windmill attachment. L. L. Robertson. No. 1,224,417; May 1; v. 238; p. 110.
- Windmill attachment. S. E. Tweedy. No. 1,211,643; Jan. 9; v. 234; p. 467.
- Windmill-clamp. D. C. Johnson. No. 1,247,117; Nov. 20; v. 244; p. 654.
- Windmill construction. E. H. Manning. No. 1,219,339; Mar. 13; v. 236; p. 541.
- Windmill coupling. H. Clasen and C. Noesler. No. 1,245,683; Nov. 6; v. 244; p. 164.
- Windmill-engine. A. J. Comer. No. 1,220,196; Mar. 27; v. 236; p. 908.
- Windmill-operating device. W. H. De Lyle. No. 1,216,087; Feb. 13; v. 235; p. 603.
- Windmill pumping attachment. E. A. Crawford. No. 1,228,297; May 29; v. 238; p. 1581.
- Windmills, Automatic water-supply regulator for. W. F. Pressler. No. 1,245,616; Nov. 6; v. 244; p. 144.
- Windmills, Gear mechanism for. J. A. Byron. No. 1,248,261; Nov. 27; v. 244; p. 1014.
- Winder. H. D. Colman. No. 1,227,754; May 29; v. 238; p. 1400.
- Winder. H. D. Colman. No. 1,239,670; Sept. 11; v. 242; p. 331.
- Winders, Attachment for high-speed. M. Weil. No. 1,238,606; Aug. 28; v. 241; p. 1093.
- Winding and measuring machine. Differential. W. E. Hosch. No. 1,228,022; May 29; v. 238; p. 1492.
- Winding and twisting apparatus. C. W. Hubbard. No. 1,232,686; July 10; v. 240; p. 414.
- Winding-drum. J. T. Horton. No. 1,245,231; Nov. 6; v. 244; p. 28.
- Winding-head. W. F. Smith. No. 1,247,463; Nov. 20; v. 244; p. 752.
- Winding-head apparatus. J. K. Altemus. No. 1,212,600; Jan. 16; v. 234; p. 833.
- Winding-indicator. E. F. Valliquet. No. 1,213,438. Jan. 23; v. 234; p. 1159.
- Winding-machine. J. O. Goodwin. No. 1,246,260; Nov. 13; v. 244; p. 364.
- Winding-machine. F. A. Holt and G. Kershaw. No. 1,215,025; Feb. 6; v. 235; p. 192.
- Winding-machine. W. Marcroft. No. 1,236,464; Aug. 14; v. 241; p. 331.
- Winding-machine. J. O. McKean. No. 1,247,980; Nov. 27; v. 244; p. 935.
- Winding-machine. E. F. Parks. No. 1,248,898; Dec. 4; v. 245; p. 138.
- Winding-machine. F. S. Rand and G. N. Taylor. No. 1,234,388; July 24; v. 240; p. 1039.
- Winding-machine. W. F. Smith. No. 1,240,506; Sept. 18; v. 242; p. 632.
- Winding machine, Ball-. E. G. Loomis. No. 1,242,885; Oct. 9; v. 243; p. 491.
- Winding machine, Coll-. E. R. Norris. No. 1,248,530; Dec. 4; v. 245; p. 29.
- Winding machine, Cop-. A. B. Calkins. No. 1,236,906; Aug. 14; v. 241; p. 476.
- Winding-machine for thread buttons. H. Deppermann. No. 1,219,266; Mar. 13; v. 236; p. 516.
- Winding-machines and the like, Thread-traverse means for. E. J. Lipps. No. 1,240,352; Sept. 18; v. 242; p. 583.
- Winding-machines, Automatic stop for. R. Fisher. No. 1,216,557; Feb. 20; v. 235; p. 821.
- Winding-machines, Stopping mechanism for. C. Ryden. No. 1,223,620; Apr. 24; v. 237; p. 1018.
- Winding-machines, Traverse mechanism for. H. D. Colman. No. 1,239,669; Sept. 11; v. 242; p. 331.
- Winding-machines, Traverse mechanism for. G. W. Foster. No. 1,233,042; July 10; v. 240; p. 530.
- Winding-machines, Traverse mechanism for. C. Ryden. No. 1,248,167; Nov. 27; v. 244; p. 987.
- Winding machines, Traverse mechanism for yarn-. L. J. Campbell. No. 1,213,836; Jan. 30; v. 234; p. 1324.
- Winding mechanism. G. W. Foster. No. 1,228,424; June 5; v. 239; p. 17.
- Winding mechanism, Friction-drum. E. O'Brien. No. 1,246,988; Nov. 20; v. 244; p. 616.
- Winding mechanism, Safety spring-. E. Graf. No. 1,217,746; Feb. 27; v. 235; p. 1275.
- Winding-rollers, Forming the sheet-metal barrels of. E. Stuck. No. 1,224,579; May 1; v. 238; p. 166.
- Winding-stop. A. P. Hodge. No. 1,217,176; Feb. 27; v. 235; p. 1076.
- Winding strips of fabrics, Machine for. P. Bischoff. No. 1,211,058; Jan. 2; v. 234; p. 235.
- Winding yarn and the like, Device for. C. J. Ulmann. No. 1,224,977; May 8; v. 238; p. 354.
- Windlass. C. Andrade, Jr. No. 1,229,858; June 12; v. 239; p. 549.
- Windlass. J. H. Snelling. No. 1,246,669; Nov. 13; v. 244; p. 487.
- Windlass-driving mechanism. M. J. Sasgen and A. Gloor. No. 1,228,828; June 5; v. 239; p. 155.
- Windlass, Emergency draft-. J. H. Lange. No. 1,229,762; June 12; v. 239; p. 516.
- Windlass operating and releasing means. C. W. Spencer. No. 1,236,223; Aug. 7; v. 241; p. 225.
- Windlass-operating mechanism. C. S. Aldrich. No. 1,237,443; Aug. 21; v. 241; p. 687.
- Window. H. T. Atkinson. No. 1,239,449; Sept. 11; v. 242; p. 261.
- Window. P. Bernard. No. 1,211,053; Jan. 2; v. 234; p. 234.
- Window. J. P. Hasselmeyer. No. 1,222,864; Apr. 17; v. 237; p. 725.
- Window. M. G. Houren. No. 1,237,045; Aug. 14; v. 241; p. 523.
- Window. T. H. Kane. No. 1,228,780; June 5; v. 239; p. 139.
- Window. T. H. Kane. No. 1,235,979; Aug. 7; v. 241; p. 147.
- Window. H. F. Prussner, P. Nash, and J. Manger. No. 1,213,947; Jan. 30; v. 234; p. 1363.
- Window. W. A. Schoening and J. Pachynski. No. 1,245,042; Oct. 30; v. 243; p. 1253.
- Window. A. C. Taylor. No. 1,226,145; May 15; v. 238; p. 793.
- Window. F. P. Walker. No. 1,216,753; Feb. 20; v. 235; p. 888.
- Window adjuster, Casement-. J. G. Huot. No. 1,216,320; Feb. 20; v. 235; p. 736.
- Window-adjusting device. P. Bernard. No. 1,233,960; July 17; v. 240; p. 865.
- Window-adjusting rod. A. M. Lane. No. 1,221,751; Apr. 3; v. 237; p. 260.
- Window attachment. L. J. Westness. No. 1,242,290; Oct. 9; v. 243; p. 802.
- Window attachment, Swinging-. M. M. Deibel. No. 1,219,378; Mar. 13; v. 236; p. 555.
- Window, Automatic. J. L. Comer. No. 1,248,268; Nov. 27; v. 244; p. 1016.

Alphabetical list of inventions—Continued.

- Window-box. C. A. Dahlberg. No. 1,213,593; Jan. 23; v. 234; p. 1213.
- Window-box. W. A. Painter and J. S. Halfaker. No. 1,210,682; Jan. 2; v. 234; p. 106.
- Window bracing and locking device, Casement. J. A. Bried. No. 1,218,366; Mar. 6; v. 236; p. 167.
- Window-cage. J. H. Florian. No. 1,239,472; Sept. 11; v. 242; p. 269.
- Window-catch. C. Ulrich. No. 1,242,391; Oct. 9; v. 243; p. 333.
- Window-cleaner. E. E. Boyden. No. 1,234,441; July 24; v. 240; p. 1057.
- Window-cleaner. G. Di Giovanni. No. 1,235,447; July 31; v. 240; p. 1398.
- Window-cleaner. A. Martin. No. 1,219,977; Mar. 20; v. 236; p. 793.
- Window-cleaner. J. S. McWhirter. No. 1,246,829; Nov. 13; v. 244; p. 534.
- Window-cleaner. H. G. Piel. No. 1,248,395; Nov. 27; v. 244; p. 1050.
- Window-cleaner. J. L. Simmons. No. 1,232,400; July 3; v. 240; p. 286.
- Window-cleaner. J. H. Vaterlaus. No. 1,248,759; Dec. 4; v. 245; p. 99.
- Window-cleaner, Pneumatically-operated. F. W. Hogg. No. 1,237,338; Aug. 21; v. 241; p. 653.
- Window-cleaner's anchor. A. Buck. No. 1,246,538; Nov. 13; v. 244; p. 448.
- Window-cleaner's safety-chair. L. Cholet. No. 1,224,709; May 1; v. 238; p. 211.
- Window-cleaning device. H. W. Foss. No. 1,219,282; Mar. 13; v. 236; p. 521.
- Window-cleaning device. A. Lapedes. No. 1,232,815; July 10; v. 240; p. 457.
- Window-cleaning device. F. A. Wescott. No. 1,214,247; Jan. 30; v. 234; p. 1465.
- Window-cleaning machine. J. Baron. No. 1,216,399; Feb. 20; v. 235; p. 766.
- Window-cleaning scraper. C. E. Blakeslee. No. 1,242,913; Oct. 16; v. 243; p. 534.
- Window-closing device. W. B. Uffert. No. 1,211,012; Jan. 2; v. 234; p. 220.
- Window construction. C. H. Anderson. No. 1,244,825; Oct. 30; v. 243; p. 1188.
- Window construction. M. L. Brown. No. 1,223,761; Apr. 24; v. 237; p. 1068.
- Window construction. H. E. Campbell. No. 1,237,296; Aug. 21; v. 241; p. 638.
- Window construction. W. F. Hajek. No. 1,225,435; May 8; v. 238; p. 511.
- Window construction. S. Okamuro. No. 1,217,338; Feb. 27; v. 235; p. 1130.
- Window construction. J. Stephens. No. 1,246,346; Nov. 13; v. 244; p. 390.
- Window construction, Metal. A. Fromhold. No. 1,240,193; Sept. 13; v. 242; p. 533.
- Window corner-piece. H. Wolf. No. 1,224,988; May 8; v. 238; p. 358.
- Window, Curtain-. W. P. Manuel. No. 1,251,260; Dec. 25; v. 245; p. 947.
- Window-fastener. J. A. Burke. No. 1,225,763; May 15; v. 238; p. 663.
- Window-fastener. W. C. Fox. No. 1,222,942; Apr. 17; v. 237; p. 751.
- Window-fastener. W. Gadke. No. 1,244,725; Oct. 30; v. 243; p. 1159.
- Window-fastener, Automatic. E. E. Mack. No. 1,242,830; Oct. 9; v. 243; p. 474.
- Window-fixture. D. Hoyt. No. 1,214,035; Jan. 30; v. 234; p. 1394.
- Window-frame. H. S. Estler. No. 1,232,905; July 10; v. 240; p. 487.
- Window-frame. W. H. Heulings, Jr. No. 1,233,667; July 17; v. 240; p. 770.
- Window-frame. G. B. Kohler. No. 1,240,735; Sept. 18; v. 242; p. 701.
- Window-frame. A. A. Kramer. No. 1,226,776; May 22; v. 238; p. 1042.
- Window-frame. V. von Schlegell. No. 1,249,693; Dec. 11; v. 245; p. 396.
- Window frame and sash, Metal. H. E. Campbell. No. 1,211,913; Jan. 9; v. 234; p. 563.
- Window frame and sash, Metal. H. E. Campbell. No. 1,211,914; Jan. 9; v. 234; p. 564.
- Window frame and sash, Metal. H. E. Campbell. No. 1,211,915; Jan. 9; v. 234; p. 564.
- Window frame and sash, Metal. H. E. Campbell. No. 1,222,358; Apr. 10; v. 237; p. 507.
- Window frame and sash, Metal. H. E. Campbell. No. 1,241,090; Sept. 25; v. 242; p. 845.
- Window frame and sash, Metal. H. E. Campbell. No. 1,247,637; Nov. 27; v. 244; p. 833.
- Window-frame and sashes therefor. J. Rossow. No. 1,240,357; Jan. 2; v. 234; p. 335.
- Window-frame, Extensible. C. S. Johanson. No. 1,227,152; May 22; v. 238; p. 1171.
- Window-frame, Metal. H. E. Campbell. No. 1,222,357; Apr. 10; v. 237; p. 506.
- Window-frame, Metal. H. E. Campbell. No. 1,237,295; Aug. 21; v. 241; p. 637.
- Window-frame, Metal. O. H. Iman. No. 1,222,293; Apr. 10; v. 237; p. 483.
- Window grapple, Storm-. H. H. Sulwold. No. 1,223,443; Apr. 24; v. 237; p. 954.
- Window-guard. H. S. Carson. No. 1,240,025; Sept. 11; v. 242; p. 443.
- Window-guard. B. Franklin. No. 1,239,473; Sept. 11; v. 242; p. 269.
- Window-guard. C. E. Pearson. No. 1,231,783; July 3; v. 240; p. 83.
- Window-guard. J. E. Raber. No. 1,213,537; Jan. 23; v. 234; p. 1193.
- Window guide, Extension-. C. S. Johanson. No. 1,238,297; Aug. 28; v. 241; p. 995.
- Window-head, Ventilation. D. E. Shrauger. No. 1,236,013; Aug. 7; v. 241; p. 159.
- Window-heater. W. C. Burmeister and E. N. Smock. No. 1,243,703; Oct. 23; v. 243; p. 807.
- Window-lock. J. N. Berrigan. No. 1,247,622; Nov. 27; v. 244; p. 829.
- Window-lock. C. Dean. No. 1,251,188; Dec. 25; v. 245; p. 926.
- Window-lock. U. S. Jackson. No. 1,242,943; Oct. 16; v. 243; p. 544.
- Window-lock. W. D. Lutz and B. W. Smith. No. 1,214,697; Feb. 6; v. 235; p. 76.
- Window-lock. W. M. Manning. No. 1,226,680; May 22; v. 238; p. 1008.
- Window-lock. A. G. Ray. No. 1,248,547; Dec. 4; v. 245; p. 35.
- Window-lock. A. Re. No. 1,226,597; May 15; v. 238; p. 942.
- Window-lock and draft-stop, Combined. W. H. Forester. No. 1,222,378; Apr. 10; v. 237; p. 513.
- Window lock and joint-strip, Casement. A. G. Wass. No. 1,216,524; Feb. 20; v. 235; p. 808.
- Window lock and lifter. M. M. Bagby. No. 1,229,016; June 5; v. 239; p. 216.
- Window lock and supporter, Combined. D. Widmayer. No. 1,218,025; Mar. 6; v. 236; p. 43.
- Window-lock, Ventilation. G. W. Jordan. No. 1,223,587; Apr. 24; v. 237; p. 1006.
- Window-lock, Ventilation. R. G. Winter. No. 1,244,393; Oct. 23; v. 243; p. 1018.
- Window-lowering device. G. Ely. No. 1,237,764; Aug. 21; v. 241; p. 790.
- Window, Mechanically-operated. A. K. Ternstedt. No. 1,218,130; Mar. 6; v. 236; p. 84.
- Window, Metal. E. Flagg. No. 1,224,626; May 1; v. 238; p. 182.
- Window-openings and the like, Ventilating-closure for. C. A. Fox. No. 1,249,369; Dec. 11; v. 245; p. 303.
- Window-operating device. J. L. Martin. No. 1,217,040; Feb. 20; v. 235; p. 984.
- Window-operating device. C. P. Pond. No. 1,228,242; May 29; v. 238; p. 1563.
- Window or door frame shield. W. F. Bowman. No. 1,226,743; May 22; v. 238; p. 1030.
- Window or door screen. W. R. Leonard. No. 1,229,983; June 12; v. 239; p. 587.
- Window or other openings or passages, Adjustable closure for. F. N. Roehrich. No. 1,229,523; June 12; v. 239; p. 437.
- Window-pane for flexible curtains, Detachable. A. Davey. No. 1,245,573; Nov. 6; v. 244; p. 131.
- Window-panes, Device for removing putty from. E. H. Krueger. No. 1,239,406; Sept. 4; v. 242; p. 219.
- Window-panes, Retention device for. T. F. Oechsle and A. D. Kumpf. No. 1,236,747; Aug. 14; v. 241; p. 427.
- Window-platform support. E. F. Harris. No. 1,229,073; June 5; v. 239; p. 234.
- Window, Pocket-. E. H. Lunken. No. 1,228,036; May 29; v. 238; p. 1497.
- Window-protecting attachment. S. E. McNulty. No. 1,230,197; June 19; v. 239; p. 697.
- Window-regulator. L. T. Bulley. No. 1,245,189; Nov. 6; v. 244; p. 14.
- Window-regulator. J. E. Marsden. No. 1,229,769; June 12; v. 239; p. 519.
- Window, Reversible. L. Holm. No. 1,249,091; Dec. 4; v. 245; p. 192.
- Window roll-screen. D. Edwards. No. 1,246,570; Nov. 13; v. 244; p. 459.
- Window, Sanitary confessional-. L. C. Knissel and W. J. McClenahan. No. 1,238,689; Aug. 28; v. 241; p. 1117.
- Window-screen. H. Bauknecht. No. 1,229,400; June 12; v. 239; p. 395.
- Window-screen. A. V. Brun. No. 1,234,105; July 17; v. 240; p. 910.
- Window-screen. M. W. Charlton. No. 1,223,934; Apr. 24; v. 237; p. 1127.
- Window-screen. E. M. Craig. No. 1,228,536; June 5; v. 239; p. 56.
- Window-screen. H. Damm. No. 1,235,769; Aug. 7; v. 241; p. 78.
- Window-screen. J. Dargo. No. 1,243,923; Oct. 23; v. 243; p. 879.
- Window-screen. G. W. Fisher. No. 1,243,928; Oct. 23; v. 243; p. 880.
- Window-screen. S. Fisher. No. 1,212,753; Jan. 16; v. 234; p. 889.
- Window-screen. T. J. Foley. No. 1,246,410; Nov. 13; v. 244; p. 410.
- Window-screen. A. Forner. No. 1,233,658; July 17; v. 240; p. 768.
- Window-screen. A. S. Garman. No. 1,216,794; Feb. 20; v. 235; p. 902.

- Window-screen. H. M. Gould. No. 1,232,283; July 3; v. 240; p. 250.
- Window-screen. F. Haus and J. Pancner. No. 1,245,585; Nov. 6; v. 244; p. 135.
- Window-screen. A. C. Hertz. No. 1,238,294; Aug. 28; v. 241; p. 993.
- Window-screen. H. Higgin. No. 1,248,857; Dec. 4; v. 245; p. 128.
- Window-screen. H. Higgin. No. 1,248,858; Dec. 4; v. 245; p. 128.
- Window-screen. C. W. Hinchcliffe. No. 1,214,162; Jan. 30; v. 234; p. 1435.
- Window-screen. G. L. Housteau. No. 1,232,803; July 10; v. 240; p. 453.
- Window-screen. C. A. Johnson. No. 1,235,694; Aug. 7; v. 241; p. 52.
- Window-screen. G. J. Knaack and C. J. Marquardt. No. 1,213,213; Jan. 23; v. 234; p. 1080.
- Window-screen. J. P. Kuhn and J. D. Martin. No. 1,231,177; June 26; v. 239; p. 1064.
- Window-screen. E. R. Leary and R. W. Pillsbury. No. 1,219,962; Mar. 20; v. 236; p. 788.
- Window-screen. B. E. Littge. No. 1,225,979; May 15; v. 238; p. 736.
- Window-screen. T. C. McDaniel and R. M. Frawley. No. 1,217,793; Feb. 27; v. 235; p. 1291.
- Window-screen. J. M. McGrath and J. T. Lane. No. 1,236,193; Aug. 7; v. 241; p. 214.
- Window-screen. H. D. Mills. No. 1,221,564; Apr. 3; v. 237; p. 198.
- Window-screen. M. O. Nelson. No. 1,220,881; Mar. 27; v. 236; p. 1146.
- Window-screen. M. O. Nelson. No. 1,241,425; Sept. 25; v. 242; p. 950.
- Window-screen. J. E. Orr. No. 1,226,802; May 22; v. 238; p. 1051.
- Window-screen. C. M. Parson. No. 1,220,675; Mar. 27; v. 236; p. 1076.
- Window-screen. R. H. Porter. No. 1,212,676; Jan. 16; v. 234; p. 863.
- Window-screen. S. C. Porter. No. 1,220,888; Mar. 27; v. 236; p. 1147.
- Window-screen. M. S. Potter. No. 1,235,241; July 31; v. 240; p. 1337.
- Window-screen. F. Reese. No. 1,216,495; Feb. 20; v. 235; p. 798.
- Window-screen. L. Ricard. No. 1,222,137; Apr. 10; v. 237; p. 428.
- Window-screen. J. C. Scott. No. 1,245,044; Oct. 30; v. 243; p. 1253.
- Window-screen. E. Starbuck and W. A. Seelye. No. 1,250,376; Dec. 18; v. 245; p. 635.
- Window-screen. A. Swedberg. No. 1,242,072; Oct. 2; v. 243; p. 191.
- Window-screen. E. Swanson. No. 1,218,127; Mar. 6; v. 236; p. 84.
- Window-screen. C. Traut and H. Higgin. No. 1,223,535; Apr. 24; v. 237; p. 989.
- Window-screen. J. L. Walsh. No. 1,231,820; July 3; v. 240; p. 96.
- Window-screen. E. A. Ware. No. 1,241,314; Sept. 25; v. 242; p. 917.
- Window-screen. P. J. Wolfe. No. 1,229,695; June 12; v. 239; p. 495.
- Window-screen, Adjustable. E. Kraemer and G. Schuler. No. 1,233,884; July 17; v. 240; p. 840.
- Window-screen, Adjustable. J. C. Rubel. No. 1,217,222; Feb. 27; v. 235; p. 1091.
- Window-screen and screen-guide. R. H. Gemeny and R. Reed. No. 1,219,817; Mar. 20; v. 236; p. 738.
- Window-screen and similar device. A. F. Comeau. No. 1,211,920; Jan. 9; v. 234; p. 566.
- Window-screen, Collapsible. E. T. Burrowes. No. 1,211,403; Jan. 9; v. 234; p. 385.
- Window-screen for casements, Sheet-metal. W. W. Watson. No. 1,241,794; Oct. 2; v. 243; p. 103.
- Window-screen for railway-cars, Sheet-metal. W. W. Watson. No. 1,238,854; Sept. 4; v. 242; p. 43.
- Window-screen, Roller. T. B. Miller. No. 1,230,918; June 26; v. 239; p. 973.
- Window-screen, Rolling. M. G. Bunnell. No. 1,217,561; Feb. 27; v. 235; p. 1211.
- Window-screen, Rolling. D. O'Neill. No. 1,240,768; Sept. 18; v. 242; p. 712.
- Window-screens. Construction of. J. C. Scott. No. 1,245,045; Oct. 30; v. 243; p. 1254.
- Window-seat, Safety. W. A. Moore. No. 1,247,136; Nov. 20; v. 244; p. 659.
- Window, Sheet-metal ventilation-. D. E. Shrauger. No. 1,221,612; Apr. 3; v. 237; p. 213.
- Window-shelf, Adjustable. E. H. Bartlett. No. 1,224,127; May 1; v. 238; p. 4.
- Window-shield. W. A. Klingberg. No. 1,246,936; Nov. 20; v. 244; p. 602.
- Window-sill provision-box. A. Zimbaum. No. 1,248,982; Dec. 4; v. 245; p. 161.
- Window-stand. F. Rottl. No. 1,218,321; Mar. 6; v. 236; p. 152.
- Window stay, Casement-. A. M. Lane. No. 1,221,752; Apr. 3; v. 237; p. 260.
- Window-stiles, Machine for forming openings in. F. H. Weeks. No. 1,240,393; Sept. 18; v. 242; p. 596.
- Window, Storm-. J. P. and V. J. Holzem. No. 1,216,121; Feb. 13; v. 235; p. 615.
- Window structure. M. N. Keeler. No. 1,221,186; Apr. 3; v. 237; p. 65.
- Window-ventilator. J. P. Adams and G. I. Leonard. No. 1,241,185; Sept. 25; v. 242; p. 875.
- Window-ventilator. F. Baar. No. 1,233,436; July 17; v. 240; p. 694.
- Window-ventilator. W. W. Baird. No. 1,217,897; Mar. 6; v. 236; p. 4.
- Window-ventilator. H. W. Drew. No. 1,231,340; June 26; v. 239; p. 1117.
- Window-ventilator. J. B. Easton. No. 1,238,651; Aug. 28; v. 241; p. 1107.
- Window-ventilator. C. A. Erickson. No. 1,215,131; Feb. 6; v. 235; p. 226.
- Window-ventilator. H. W. Gaddess. No. 1,236,157; Aug. 7; v. 241; p. 202.
- Window-ventilator. F. Schueler. No. 1,217,225; Feb. 27; v. 235; p. 1092.
- Window-ventilator. J. C. Scott. No. 1,218,122; Mar. 6; v. 236; p. 82.
- Window-ventilator. F. M. White. No. 1,224,818; May 1; v. 238; p. 249.
- Window-ventilator, Adjustable. C. P. De Lancey. No. 1,240,953; Sept. 25; v. 242; p. 802.
- Window-washer. W. I. Katow. No. 1,219,401; Mar. 13; v. 236; p. 563.
- Window-washers, Support for. K. Nambu. No. 1,241,424; Sept. 25; v. 242; p. 949.
- Window-washing appliance. G. Philip. No. 1,212,255; Jan. 16; v. 234; p. 711.
- Window-wiper. J. E. Holmes. No. 1,234,335; July 24; v. 240; p. 1021.
- Windows and the like, Fastening for sliding. T. Parker. No. 1,240,086; Sept. 11; v. 242; p. 460.
- Windows, Concealed operating mechanism for casement-. A. W. Simpson. No. 1,249,220; Dec. 4; v. 245; p. 229.
- Windows, Exterior seat for. O. J. Burrell. No. 1,226,858; May 22; v. 238; p. 1069.
- Windows or doors, Adjustable stop for. C. J. Saxe. No. 1,225,862; May 15; v. 238; p. 696.
- Windows, Pulley device for pocket-. E. H. Lunken. No. 1,247,431; Nov. 20; v. 244; p. 744.
- Windows, Screen for pocket-. E. H. Lunken. No. 1,245,249; Nov. 6; v. 244; p. 32.
- Windows, Ventilating-screen for. L. N. Moss. No. 1,234,925; July 31; v. 240; p. 1242.
- Wine-server. G. V. Cropsey. No. 1,249,341; Dec. 11; v. 245; p. 295.
- Wing or propeller for aerial dynamics and other purposes. R. W. Springer. No. 1,231,444; June 26; v. 239; p. 1152.
- Wing-post socket, Universal. J. P. Tarbox and H. Kleckler. No. 1,228,375; May 29; v. 238; p. 1607.
- Winker-fastener. A. Nelson. No. 1,234,928; July 31; v. 240; p. 1242.
- Wire and terminal therefor, Sheathed. W. K. Kearsley. No. 1,213,881; Jan. 30; v. 234; p. 1340.
- Wire and the like, Machine for reeling or spooling. E. Myette. No. 1,233,106; July 10; v. 240; p. 551.
- Wire and wire rope, Terminal for. H. J. Horn. No. 1,249,093; Dec. 4; v. 245; p. 192.
- Wire articles, Process and means for making drawn-. L. C. Belz. No. 1,239,451; Sept. 11; v. 242; p. 262.
- Wire-assembling machine. C. R. Evans. No. 1,249,053; Dec. 4; v. 245; p. 181.
- Wire carrier and stretcher. J. A. Fouts. No. 1,214,772; Feb. 6; v. 235; p. 101.
- Wire-clamp. E. M. Craig. No. 1,250,096; Dec. 11; v. 245; p. 513.
- Wire-clamp. F. M. Kleine. No. 1,216,575; Feb. 20; v. 235; p. 828.
- Wire-clamp. T. E. Madden. No. 1,213,669; Jan. 23; v. 234; p. 1238.
- Wire-clamp. H. C. Staton. No. 1,231,804; July 3; v. 240; p. 91.
- Wire-clamp. L. Steinberger. No. 1,212,708; Jan. 16; v. 234; p. 874.
- Wire-clamp. J. Walker. No. 1,220,912; Mar. 27; v. 236; p. 1155.
- Wire cleaning and coating machine. C. C. Wickwire. No. 1,244,153; Oct. 23; v. 243; p. 946.
- Wire-cloth rack. A. W. Johnson. No. 1,229,086; June 5; v. 239; p. 239.
- Wire coiling and binding clamp. J. Cuthbert. No. 1,243,716; Oct. 23; v. 243; p. 812.
- Wire coiling and clamping device. J. J. Nielsen. No. 1,241,756; Oct. 2; v. 243; p. 92.
- Wire-coiling apparatus. C. H. Quackenbush and J. C. Smedley. No. 1,227,659; May 29; v. 238; p. 1367.
- Wire-coiling machine. F. Guida. No. 1,219,294; Mar. 13; v. 236; p. 525.
- Wire-coiling machine. E. W. Hart. No. 1,213,480; Jan. 23; v. 234; p. 1173.
- Wire-conduit metal base. O. M. Otte. No. 1,223,288; Apr. 17; v. 237; p. 867.
- Wire-connector. J. E. Burgess. No. 1,216,545; Feb. 20; v. 235; p. 816.
- Wire-cord coupling. C. C. Sunderland. No. 1,247,174; Nov. 20; v. 244; p. 670.
- Wire-cutting device. F. A. Warner. No. 1,241,455; Sept. 25; v. 242; p. 959.
- Wire-drawing machine. T. B. Ryon. No. 1,243,879; Oct. 23; v. 243; p. 866.

Alphabetical list of inventions—Continued.

- Wire-drawing machinery, Continuous. J. P. Dooley. No. 1,212,919; Jan. 16; v. 234; p. 944.
- Wire-drawing machinery, Continuous. J. P. Dooley. No. 1,227,532; May 22; v. 238; p. 1295.
- Wire-entanglement shooter-cutter. J. A. Steinmetz. No. 1,211,779; Jan. 9; v. 234; p. 513.
- Wire fabric. H. Richardson. No. 1,248,550; Dec. 4; v. 245; p. 36.
- Wire fabric. H. Richardson. No. 1,248,551; Dec. 4; v. 245; p. 36.
- Wire fabric. H. Richardson. No. 1,248,552; Dec. 4; v. 245; p. 37.
- Wire fabric. H. Richardson. No. 1,248,553; Dec. 4; v. 245; p. 37.
- Wire fabric. H. Richardson and W. Lippert. No. 1,247,720; Nov. 27; v. 244; p. 860.
- Wire fabric. H. Richardson and W. Lippert. No. 1,247,721; Nov. 27; v. 244; p. 860.
- Wire-fabric machine. W. W. McCallip. No. 1,248,425; Nov. 27; v. 244; p. 1059.
- Wire-feeding device. T. Alexander. No. 1,235,277; July 31; v. 240; p. 1349.
- Wire handle for baskets, boxes, and the like. J. W. Dailey. No. 1,223,262; Apr. 17; v. 237; p. 859.
- Wire-hanger. A. L. Fox. No. 1,243,057; Oct. 16; v. 243; p. 581.
- Wire-holder. H. J. Mitchell. No. 1,218,295; Mar. 6; v. 236; p. 143.
- Wire-holding device. A. E. and B. W. Schneider. No. 1,228,059; May 29; v. 238; p. 1505.
- Wire-interlacing machine. W. J. Pine. No. 1,214,711; Feb. 6; v. 235; p. 81.
- Wire Machine for applying binding. D. B. Galbally. No. 1,240,042; Sept. 11; v. 242; p. 447.
- Wire Machine for wiping galvanized. J. Velavich. No. 1,250,128; Dec. 18; v. 245; p. 561.
- Wire-machines, Intermittent operating mechanism for. G. E. Ehrling. No. 1,233,457; July 17; v. 240; p. 702.
- Wire-nail machine. W. F. and H. O. Christison. No. 1,242,522; Oct. 9; v. 243; p. 384.
- Wire-netting machine. W. M. Brooks. No. 1,219,622; Mar. 20; v. 236; p. 670.
- Wire-reel. J. L. Corley. No. 1,230,677; June 19; v. 239; p. 856.
- Wire reel, Barbed. O. K. Tillman. No. 1,249,691; Dec. 11; v. 245; p. 396.
- Wire-reels, Core for. J. D. Adams and A. G. Johnson. No. 1,239,069; Sept. 4; v. 242; p. 112.
- Wire-rope clamp. G. P. Rasck. No. 1,251,103; Dec. 25; v. 245; p. 901.
- Wire-rope members, Clip for. O. Crosby. No. 1,245,197; Nov. 6; v. 244; p. 17.
- Wire rope or cable clamp. A. P. McBride. No. 1,219,015; Mar. 13; v. 236; p. 432.
- Wire-rope sling and the like. C. C. Sunderland. No. 1,222,048; Apr. 10; v. 237; p. 397.
- Wire-rope socket. R. E. Brown. No. 1,237,465; Aug. 21; v. 241; p. 693.
- Wire screen. J. G. Allen. No. 1,214,494; Feb. 6; v. 235; p. 3.
- Wire screen. W. D. Cramer. No. 1,238,747; Sept. 4; v. 242; p. 8.
- Wire-seat structure. J. Petrzilke. No. 1,213,898; Jan. 30; v. 234; p. 1347.
- Wire-securing clip. A. Brufat. No. 1,214,749; Feb. 6; v. 235; p. 94.
- Wire-splicer. W. L. Muir. No. 1,211,478; Jan. 9; v. 234; p. 410.
- Wire-splicer. T. J. Sherwood. No. 1,245,128; Oct. 30; v. 243; p. 1279.
- Wire-splicing tool. C. W. Ackerson. No. 1,237,441; Aug. 21; v. 241; p. 686.
- Wire-stitching machine. G. P. Baumann. No. 1,226,170; May 15; v. 238; p. 801.
- Wire straightening and tensioning device. J. Pagliaruli. No. 1,237,547; Aug. 21; v. 241; p. 719.
- Wire-straightening machine. A. P. Gilbert. No. 1,239,175; Sept. 4; v. 242; p. 145.
- Wire-stretcher. E. P. Anderson. No. 1,231,552; July 3; v. 240; p. 4.
- Wire-stretcher. B. A. Beller. No. 1,210,755; Jan. 2; v. 234; p. 130.
- Wire-stretcher. A. C. Bryant. No. 1,238,253; Aug. 28; v. 241; p. 979.
- Wire-stretcher. W. A. Clack. No. 1,218,744; Mar. 13; v. 236; p. 335.
- Wire-stretcher. W. A. Clanton and R. K. Cox. No. 1,231,493; June 26; v. 239; p. 1167.
- Wire-stretcher. J. G. Clark. No. 1,214,136; Jan. 30; v. 234; p. 1427.
- Wire-stretcher. G. W. Corsepins. No. 1,244,836; Oct. 30; v. 243; p. 1191.
- Wire-stretcher. J. W. Dean. No. 1,234,297; July 24; v. 240; p. 1009.
- Wire-stretcher. L. B. Derolld. No. 1,216,089; Feb. 13; v. 235; p. 604.
- Wire-stretcher. W. C. Dickerson. No. 1,237,875; Aug. 21; v. 241; p. 822.
- Wire-stretcher. J. T. H. Drake. No. 1,248,289; Nov. 27; v. 244; p. 1022.
- Wire-stretcher. J. N. Gage. No. 1,235,131; July 31; v. 240; p. 1305.
- Wire-stretcher. J. H. Harper. No. 1,219,306; Mar. 13; v. 236; p. 529.
- Wire-stretcher. M. Helm. No. 1,220,421; Mar. 27; v. 236; p. 938.
- Wire-stretcher. L. A. Highhouse. No. 1,216,809; Feb. 20; v. 235; p. 907.
- Wire-stretcher. W. K. Houser. No. 1,243,940; Oct. 23; v. 243; p. 883.
- Wire-stretcher. C. S. Hutsch. No. 1,235,141; July 31; v. 240; p. 1307.
- Wire-stretcher. W. W. Idle. No. 1,216,233; Feb. 13; v. 235; p. 654.
- Wire-stretcher. A. Odenbach. No. 1,218,306; Mar. 6; v. 236; p. 148.
- Wire-stretcher. A. Rasmussen. No. 1,236,354; Aug. 7; v. 241; p. 262.
- Wire-stretcher. S. T. Shults. No. 1,223,611; June 5; v. 239; p. 81.
- Wire-stretcher. L. Sorrells. No. 1,225,189; May 8; v. 238; p. 426.
- Wire-stretcher. B. H. Southland. No. 1,242,063; Oct. 2; v. 243; p. 189.
- Wire-stretcher. F. S. Stevens. No. 1,229,343; June 12; v. 239; p. 376.
- Wire-stretcher. R. O. Tangen. No. 1,239,061; Sept. 4; v. 242; p. 109.
- Wire-stretcher. M. E. Thomas. No. 1,218,018; Mar. 6; v. 236; p. 45.
- Wire-stretcher. S. H. White. No. 1,245,079; Oct. 30; v. 243; p. 1265.
- Wire stretcher and reel. A. L. Strawn. No. 1,249,237; Dec. 4; v. 245; p. 235.
- Wire stretcher and splicer. C. F. Tollestrup. No. 1,250,245; Dec. 18; v. 245; p. 597.
- Wire-stretcher gage. E. W. C. Kioforn. No. 1,249,118; Dec. 4; v. 245; p. 199.
- Wire-stretcher-operating mechanism. W. H. Snow. No. 1,236,616; Aug. 14; v. 241; p. 382.
- Wire-stretchers, Anchor for. J. Cessna. No. 1,211,084; Jan. 2; v. 234; p. 243.
- Wire, Supporting lengths of. G. V. Twiss. No. 1,234,583; July 24; v. 240; p. 1102.
- Wire-supporting spool. L. W. Barker. No. 1,250,766; Dec. 18; v. 245; p. 751.
- Wire-terminal. B. L. Lawton. No. 1,218,571; Mar. 6; v. 236; p. 236.
- Wire-terminals, Fastening-clip for. C. W. Beck. No. 1,217,135; Feb. 27; v. 235; p. 1062.
- Wire tie. C. W. Dahlman. No. 1,236,059; Aug. 7; v. 241; p. 173.
- Wire tie and tag, Combined. A. M. Bates. No. 1,216,269; Feb. 20; v. 235; p. 718.
- Wire-tying machine. H. E. Pitts. No. 1,230,773; June 19; v. 239; p. 888.
- Wire-tightening device. H. H. Lampert. No. 1,220,347; Mar. 27; v. 236; p. 963.
- Wire-trench and picture-molding. O. M. Otte. No. 1,224,315; May 1; v. 238; p. 72.
- Wire-twister. M. G. Haefl. No. 1,213,643; Jan. 23; v. 234; p. 1229.
- Wire-twister. A. F. Moore. No. 1,232,368; July 3; v. 240; p. 277.
- Wire-twisting device. T. E. Dunn. No. 1,251,193; Dec. 25; v. 245; p. 928.
- Wire unroller, Barbed. L. Schick. No. 1,230,794; June 19; v. 239; p. 894.
- Wire-unrolling device, Woven. I. R. Reber. No. 1,250,011; Dec. 11; v. 245; p. 488.
- Wire wheel. R. M. Keating. No. 1,239,794; Sept. 11; v. 242; p. 371.
- Wire wheel, Demountable. C. Booth and A. C. Page. No. 1,220,314; Mar. 27; v. 236; p. 951.
- Wire-winding machine. C. L. Van Amburgh. No. 1,250,705; Dec. 18; v. 245; p. 734.
- Wire winding or coiling device. C. A. Scholl. No. 1,238,445; Aug. 28; v. 241; p. 1042.
- Wire-wiper. L. P. Seaholm and J. Wilton. No. 1,224,967; May 8; v. 238; p. 351.
- Wire-working machine. T. F. Miller. No. 1,235,832; Aug. 7; v. 241; p. 99.
- Wires, Making insulated. R. H. Read. No. 1,233,807; July 17; v. 240; p. 814.
- Wires, rods, and tubes of circular cross-section, Apparatus for straightening metallic. C. A. A. Lehmann. No. 1,229,581; June 12; v. 239; p. 587.
- Wires to charged main wires, Apparatus for connecting service. H. B. Bush. No. 1,249,898; Dec. 11; v. 245; p. 457.
- Wireless receiving system. J. R. Carson. No. 1,244,697; Oct. 30; v. 243; p. 1149.
- Wireless receiving system. L. Espenschied. No. 1,223,376; Apr. 24; v. 237; p. 930.
- Wireless signaling system. J. H. Rogers and H. H. Lyon. No. 1,220,005; Mar. 20; v. 236; p. 802.
- Wireless signals, Valve-receiver for. G. M. Wright. No. 1,238,869; Sept. 4; v. 242; p. 48.
- Wireless signals, Valve-receiver for. G. M. Wright. No. 1,243,789; Oct. 23; v. 243; p. 837.
- Wireless sounder. A. J. Williams. No. 1,220,920; Mar. 27; v. 236; p. 1157.
- Wireless systems, Detector for. M. Berel and L. Funke. No. 1,214,265; Jan. 30; v. 234; p. 1472.
- Wireless use, Combined receiver and detector for. F. Wallberg. No. 1,219,888; Mar. 20; v. 236; p. 762.

- Wood and other cellulose-containing materials, Transforming. G. W. Herbein. No. 1,235,895; Aug. 7; v. 241; p. 120.
- Wood, Artificially seasoning. M. Kleinstück. No. 1,210,491; Jan. 2; v. 234; p. 39.
- Wood-barking machine. J. J. Hruska. No. 1,243,294; Oct. 16; v. 243; p. 651.
- Wood-bending machine. C. A. Barnard. No. 1,249,302; Dec. 11; v. 245; p. 284.
- Wood composition, Artificial. L. S. Gibson. No. 1,231,519; June 26; v. 239; p. 1175.
- Wood impregnation. H. G. Jennison. No. 1,237,521; Aug. 21; v. 241; p. 711.
- Wood, Method and composition for the treatment of. G. M. Fischer. No. 1,232,909; July 10; v. 240; p. 488.
- Wood, Preserving. H. Foersterling, R. N. Sargent, and F. A. Kaufmann. No. 1,242,168; Oct. 9; v. 243; p. 263.
- Wood-pulp-forming machine. W. Gatke. No. 1,215,516; Feb. 13; v. 235; p. 395.
- Wool, Purifying raw. G. H. Benjamin. No. 1,238,873; Sept. 4; v. 242; p. 50.
- Wood-shaping machines, Guard for. C. Alwine. No. 1,217,550; Feb. 27; v. 235; p. 1208.
- Wood, Solution for preserving. F. Seidenschnur. No. 1,248,022; Nov. 27; v. 244; p. 945.
- Wood-splitting machine. H. K. Hauberg. No. 1,231,525; June 26; v. 239; p. 1177.
- Wood-surfacer, Portable power. E. Lux. No. 1,224,943; May 8; v. 238; p. 343.
- Wood, Treating. H. W. Broady. No. 1,217,559; Feb. 27; v. 235; p. 1211.
- Wooden boat. E. S. Hough. No. 1,228,922; June 5; v. 239; p. 185.
- Woodwork-joint. H. S. Brown. No. 1,236,538; Aug. 14; v. 241; p. 356.
- Woodwork-joint. W. R. K. Gandell. No. 1,250,841; Dec. 18; v. 245; p. 775.
- Woodworking-machine. J. Halterbeck. No. 1,234,015; July 17; v. 240; p. 881.
- Woodworking-machine. J. Halterbeck. No. 1,284,016; July 17; v. 240; p. 882.
- Woodworking-machine. W. D. Kelly. No. 1,245,240; Nov. 6; v. 244; p. 30.
- Woodworking-machine. C. E. Reed. No. 1,246,465; Nov. 13; v. 244; p. 427.
- Woodworking machinery, Variable sliding-cone feed for. A. Kamp. No. 1,230,718; June 19; v. 239; p. 869.
- Woodworking-tool. T. S. Hamilton. No. 1,234,468; July 24; v. 240; p. 1066.
- Woodworking-tool. J. T. McCann and W. H. Roberts. No. 1,218,429; Mar. 6; v. 236; p. 188.
- Woodworking-tool or barrel-saw. T. S. Hamilton. No. 1,234,467; July 24; v. 240; p. 1065.
- Wool, Cleansing. G. Staunton. No. 1,213,966; Jan. 30; v. 234; p. 1369.
- Wool, hair, or like substances contaminated with lime, Deliming. I. Lucas. No. 1,235,214; July 31; v. 240; p. 1329.
- Woolen goods, Producing white. A. E. Garrett. No. 1,217,744; Feb. 27; v. 235; p. 1274.
- Work and time indicator. W. H. Shuster, Jr., and A. L. Grammer. No. 1,242,483; Oct. 9; v. 243; p. 362.
- Work-bench. E. W. Howell. No. 1,235,568; Aug. 7; v. 241; p. 13.
- Work-bench. H. W. Lewis. No. 1,218,193; Mar. 6; v. 236; p. 106.
- Work-bench, Portable. H. Rosenbaum. No. 1,216,610; Feb. 20; v. 235; p. 840.
- Work-clamp. J. A. Landers. No. 1,218,420; Mar. 6; v. 236; p. 185.
- Work-clamping table. F. J. Treka. No. 1,245,638; Nov. 6; v. 244; p. 151.
- Work feeding and guiding mechanism. R. L. Plumley. No. 1,214,950; Feb. 6; v. 235; p. 164.
- Work-gage. C. Miller. No. 1,238,714; Aug. 28; v. 241; p. 1125.
- Work-holder. F. Beifeld. No. 1,250,945; Dec. 25; v. 245; p. 856.
- Work-holder. C. G. Bidwell. No. 1,235,957; Aug. 7; v. 241; p. 140.
- Work-holder. J. H. Burns. No. 1,244,419; Oct. 23; v. 243; p. 1026.
- Work-holder. M. E. Clark. No. 1,231,533; June 26; v. 239; p. 1179.
- Work-holder. H. Petersen. No. 1,222,888; Apr. 17; v. 237; p. 733.
- Work-holder. C. B. Simmons. No. 1,235,941; Aug. 7; v. 241; p. 135.
- Work-holder. E. Wehner. No. 1,234,837; July 31; v. 240; p. 1212.
- Work-holder, Self-centering. D. Wiley. No. 1,241,319; Sept. 25; v. 242; p. 919.
- Work-lifting apparatus. W. F. Irrgang. No. 1,248,659; Dec. 4; v. 245; p. 68.
- Work-support. W. H. Borden. No. 1,227,575; May 29; v. 238; p. 1339.
- Work-support. A. A. Macleod. No. 1,228,684; June 5; v. 239; p. 105.
- Work-support. A. Richardson and B. B. Jackson. No. 1,244,374; Oct. 23; v. 243; p. 1012.
- Work-support. J. F. Standish. No. 1,237,402; Aug. 21; v. 241; p. 674.
- Work-table, Lady's folding. M. Blackburn. No. 1,234,270; July 24; v. 240; p. 1000.
- Working machines, Means for stopping. V. N. Landqvist. No. 1,241,859; Oct. 2; v. 243; p. 124.
- Worm and screw construction. A. E. Parnall. No. 1,231,643; July 3; v. 240; p. 35.
- Worm, Cutting a. C. H. Schurr and E. J. Lees. No. 1,243,767; Oct. 23; v. 243; p. 830.
- Worm-gear-disengaging mechanism. G. Fillion, Sr. No. 1,222,278; Apr. 10; v. 237; p. 478.
- Worm-wrench. A. Holdren. No. 1,245,921; Nov. 6; v. 244; p. 235.
- Wound-closer, Emergency. H. M. Magill. No. 1,251,258; Dec. 25; v. 245; p. 947.
- Woven carrier. F. R. Batchelder. No. 1,211,275; Jan. 2; v. 234; p. 310.
- Woven carrier. F. R. Batchelder. No. 1,211,276; Jan. 2; v. 234; p. 311.
- Woven carrier. V. H. Jennings. No. 1,250,886; Dec. 18; v. 245; p. 788.
- Wrap-holder. B. F. Riley, Jr. No. 1,246,785; Nov. 13; v. 244; p. 521.
- Wrapped box. J. B. Harriss. No. 1,222,287; Apr. 10; v. 237; p. 481.
- Wrapper. O. E. Groth. No. 1,213,477; Jan. 23; v. 234; p. 1172.
- Wrapping and baling fabric. M. G. Cohen. No. 1,215,777; Feb. 13; v. 235; p. 490.
- Wrapping articles and for placing same into containers, Apparatus for. H. S. Gleason. No. 1,248,845; Dec. 4; v. 245; p. 124.
- Wrapping device. H. Hayashi. (Reissue.) No. 14,318; June 19; v. 239; p. 909.
- Wrapping-machine. H. Y. Armstrong. No. 1,244,277; Oct. 23; v. 243; p. 985.
- Wrapping-machine. C. Beckmann. No. 1,234,605; July 24; v. 240; p. 1108.
- Wrapping-machine. H. L. Brown. No. 1,235,547; Aug. 7; v. 241; p. 5.
- Wrapping-machine. A. J. Hadert. No. 1,215,930; Feb. 13; v. 235; p. 546.
- Wrapping-machine. A. Heck. No. 1,239,597; Sept. 11; v. 242; p. 308.
- Wrapping-machine. H. J. Kempf. No. 1,226,622; May 15; v. 238; p. 949.
- Wrapping-machine. E. R. Knott. No. 1,216,702; Feb. 20; v. 235; p. 869.
- Wrapping-machine. F. W. Lev. No. 1,218,787; Mar. 13; v. 236; p. 351.
- Wrapping-machine. N. J. Lloyd. No. 1,239,019; Sept. 4; v. 242; p. 96.
- Wrapping machine, Cross. O. E. Heckman. No. 1,215,934; Feb. 13; v. 235; p. 547.
- Wrapping-machine folder. W. C. Stevens. No. 1,243,357; Oct. 16; v. 243; p. 670.
- Wrapping-machine, Semi-automatic. W. J. Paul. No. 1,238,328; Aug. 28; v. 241; p. 1004.
- Wrapping machines, Adjusting means for. W. C. Stevens. No. 1,241,678; Oct. 2; v. 243; p. 67.
- Wrapping machines, Adjusting mechanism for. F. M. Pierce. No. 1,237,811; Aug. 21; v. 241; p. 803.
- Wrapping machines, Box-feeding mechanism for box. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,229,512; June 12; v. 239; p. 432.
- Wrapping-machines, Folder device for. F. M. Pierce. No. 1,244,541; Oct. 30; v. 243; p. 1102.
- Wrapping-machines, Folder device for. W. C. Stevens. No. 1,244,255; Oct. 23; v. 243; p. 978.
- Wrapping-machines, Guiding device for. F. M. Pierce. No. 1,237,810; Aug. 21; v. 241; p. 802.
- Wrapping-machines, Paper-carrier for. F. M. Pierce. No. 1,221,089; Apr. 3; v. 237; p. 30.
- Wrapping mechanism, Extension-edge-box-blank. M. E. Peters, G. H. Fath, and A. F. Miller. No. 1,226,996; May 22; v. 238; p. 1119.
- Wrapping strands around each other, Means for. E. J. Lipps. No. 1,216,147; Feb. 13; v. 235; p. 625.
- Wrapping-tables or wrapping-machines, Apparatus for feeding articles to. P. Varga. No. 1,220,801; Mar. 27; v. 236; p. 1118.
- Wreck-preventer. H. Kelly. No. 1,236,315; Aug. 7; v. 241; p. 251.
- Wrecks and disabled marine vessels, Device for indicating the location of. E. H. W. Crossley. No. 1,250,807; Dec. 18; v. 245; p. 765.
- Wrench. See—**
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| Adjustable wrench. | Nut and pipe wrench. |
| Adjustable-head wrench. | Petcock-wrench. |
| Automatic wrench. | Pipe-wrench. |
| Car wrench. | Ratchet-wrench. |
| Duplex wrench. | Screw-cap wrench. |
| Jar-wrench. | Sliding-jaw wrench. |
| Jar-opening wrench. | Socket-wrench. |
| Monkey-wrench. | Stilson wrench. |
| Nipple-wrench. | Worm-wrench. |
- Wrench. J. H. Andrews. No. 1,245,169; Nov. 6; v. 244; p. 9.
- Wrench. R. W. Ayling. No. 1,215,896; Feb. 13; v. 235; p. 533.
- Wrench. A. A. Bindel. No. 1,250,082; Dec. 11; v. 245; p. 509.
- Wrench. F. P. Birand. No. 1,230,656; June 19; v. 239; p. 849.
- Wrench. Y. M. Bledsoe. No. 1,227,372; May 22; v. 238; p. 1242.

Alphabetical list of inventions—Continued.

- Wrench. R. Y. Bovee. No. 1,240,171; Sept. 18; v. 242; p. 525.
- Wrench. W. M. Bowman. No. 1,250,549; Dec. 18; v. 245; p. 688.
- Wrench. T. B. Brewer. No. 1,238,487; Aug. 28; v. 241; p. 1055.
- Wrench. A. Brinkhuis. No. 1,227,876; May 29; v. 238; p. 1442.
- Wrench. H. L. Brisbin. No. 1,227,877; May 29; v. 238; p. 1443.
- Wrench. C. S. Brown. No. 1,218,522; Mar. 6; v. 236; p. 218.
- Wrench. C. M. Broyles. No. 1,239,156; Sept. 4; v. 242; p. 140.
- Wrench. P. Champlin. No. 1,239,883; Sept. 11; v. 242; p. 401.
- Wrench. R. J. Colson. No. 1,231,131; June 26; v. 239; p. 1049.
- Wrench. C. Dallas. No. 1,237,177; Aug. 14; v. 241; p. 561.
- Wrench. D. C. Davison. No. 1,227,396; May 22; v. 238; p. 1250.
- Wrench. F. J. Eble. No. 1,215,640; Feb. 13; v. 235; p. 443.
- Wrench. J. Eifel. No. 1,244,966; Oct. 30; v. 243; p. 1231.
- Wrench. J. Eifel. No. 1,244,967; Oct. 30; v. 243; p. 1231.
- Wrench. R. B. Ferguson. No. 1,246,000; Nov. 6; v. 244; p. 255.
- Wrench. J. S. Furgerson, G. W. Davis, and W. W. Furgerson. No. 1,216,224; Feb. 13; v. 235; p. 651.
- Wrench. J. B. Gathright. No. 1,243,506; Oct. 16; v. 243; p. 715.
- Wrench. W. K. Gibson. No. 1,220,624; Mar. 27; v. 236; p. 1059.
- Wrench. L. Gniewczyński. No. 1,245,581; Nov. 6; v. 244; p. 133.
- Wrench. J. W. Hamlett. No. 1,216,308; Feb. 20; v. 235; p. 733.
- Wrench. W. M. Hansen. No. 1,223,277; Apr. 17; v. 237; p. 863.
- Wrench. C. C. Hole. No. 1,231,355; June 26; v. 239; p. 1122.
- Wrench. W. I. Honaker. No. 1,248,494; Dec. 4; v. 245; p. 19.
- Wrench. W. Hucal. No. 1,219,316; Mar. 13; v. 236; p. 533.
- Wrench. J. R. Hunter. No. 1,212,063; Jan. 9; v. 234; p. 614.
- Wrench. P. Iverson. No. 1,234,765; July 31; v. 240; p. 1192.
- Wrench. W. Jacoby. No. 1,243,300; Oct. 16; v. 243; p. 654.
- Wrench. J. Johnson. No. 1,232,806; July 10; v. 240; p. 454.
- Wrench. F. X. Katchmazenski. No. 1,231,262; June 26; v. 239; p. 1091.
- Wrench. C. G. Keller. No. 1,242,201; Oct. 9; v. 243; p. 274.
- Wrench. J. Knowles. No. 1,241,223; Sept. 25; v. 242; p. 886.
- Wrench. J. A. Lauer and A. A. McConnell. No. 1,219,469; Mar. 20; v. 236; p. 616.
- Wrench. R. S. Lindstrom. No. 1,223,706; Apr. 24; v. 237; p. 1049.
- Wrench. E. Macneir. No. 1,234,190; July 24; v. 240; p. 974.
- Wrench. T. Matheny. No. 1,232,358; July 3; v. 240; p. 274.
- Wrench. W. J. Matteson. No. 1,245,754; Nov. 6; v. 244; p. 184.
- Wrench. R. L. McElroy. No. 1,222,780; Apr. 17; v. 237; p. 696.
- Wrench. M. McKinzie. No. 1,226,228; May 15; v. 238; p. 821.
- Wrench. H. W. Murray. No. 1,251,408; Dec. 25; v. 245; p. 991.
- Wrench. L. Nelson. No. 1,240,762; Sept. 18; v. 242; p. 709.
- Wrench. W. Ness. No. 1,221,577; Apr. 3; v. 237; p. 203.
- Wrench. S. Nogradi. No. 1,233,694; July 17; v. 240; p. 779.
- Wrench. C. A. Olson and C. H. Toombs. No. 1,243,860; Oct. 23; v. 243; p. 859.
- Wrench. C. A. Olson and C. H. Toombs. No. 1,243,861; Oct. 23; v. 243; p. 859.
- Wrench. G. A. Parmenter. No. 1,243,210; Oct. 16; v. 243; p. 627.
- Wrench. P. P. Pérez and F. S. Batista. No. 1,245,017; Oct. 30; v. 243; p. 1247.
- Wrench. V. Pipshik. No. 1,237,952; Aug. 21; v. 241; p. 847.
- Wrench. J. C. Purcell. No. 1,213,008; Jan. 16; v. 234; p. 977.
- Wrench. G. H. Putnam. No. 1,214,588; Feb. 6; v. 235; p. 37.
- Wrench. W. H. Reagan, Jr. No. 1,217,217; Feb. 27; v. 235; p. 1090.
- Wrench. M. A. Rice. No. 1,218,316; Mar. 6; v. 236; p. 150.
- Wrench. W. Riley. No. 1,243,876; Oct. 23; v. 243; p. 865.
- Wrench. W. H. Rummel. No. 1,245,035; Oct. 30; v. 243; p. 1251.
- Wrench. H. Smith. No. 1,221,101; Apr. 3; v. 237; p. 34.
- Wrench. W. B. Smith. No. 1,222,482; Apr. 10; v. 237; p. 551.
- Wrench. A. Stuewe. No. 1,245,062; Oct. 30; v. 243; p. 1259.
- Wrench. J. H. Suomy. No. 1,237,122; Aug. 14; v. 241; p. 547.
- Wrench. R. Tar'Bush. No. 1,244,172; Oct. 23; v. 243; p. 951.
- Wrench. J. W. Toohey. No. 1,213,039; Jan. 16; v. 234; p. 986.
- Wrench. W. S. Upson. No. 1,228,850; June 5; v. 239; p. 163.
- Wrench. J. L. Walsh. No. 1,220,913; Mar. 27; v. 236; p. 1155.
- Wrench. W. R. Weller. No. 1,215,227; Feb. 6; v. 235; p. 260.
- Wrench. W. C. Willer. No. 1,236,802; Aug. 14; v. 241; p. 445.
- Wrench. J. G. Wright. No. 1,244,273; Oct. 23; v. 243; p. 984.
- Wrench for wire-spoke nipples. J. M. Reams. No. 1,247,328; Nov. 20; v. 244; p. 713.
- Wrench-head. S. S. Torvik. No. 1,232,735; July 10; v. 240; p. 431.
- Wrench-support. G. M. Hood. No. 1,217,600; Feb. 27; v. 235; p. 1225.
- Wringer: See—
Clothes-wringer. Mop-wringer.
- Wringer-bracket. P. P. Kiel. No. 1,211,593; Jan. 9; v. 234; p. 450.
- Wringer cabinet, Clothes-. G. Markus. No. 1,247,306; Nov. 20; v. 244; p. 707.
- Wringer clamp, Clothes-. A. E. Holaday. No. 1,213,491; Jan. 23; v. 234; p. 1176.
- Wringer safety device. R. Marx. No. 1,240,751; Sept. 18; v. 242; p. 706.
- Wringer safety device. A. H. Peters. No. 1,238,938; Sept. 4; v. 242; p. 69.
- Wringer safety-release. F. W. Sauer. No. 1,239,045; Sept. 4; v. 242; p. 104.
- Wringer-support. J. C. Thompson. No. 1,222,161; Apr. 10; v. 237; p. 437.
- Wringers, Adjustable automatic pressure-roll release for clothes-. R. P. Wright. No. 1,220,042; Mar. 20; v. 236; p. 815.
- Wringers, Adjustable automatic pressure-roll release for clothes-. R. P. Wright. No. 1,220,043; Mar. 20; v. 236; p. 815.
- Wringers, Adjustable automatic pressure-roll release for clothes-. R. P. Wright. No. 1,231,467; June 26; v. 239; p. 1160.
- Wringers, Automatic pressure-release for clothes-. J. F. Hemenway. No. 1,220,115; Mar. 20; v. 236; p. 843.
- Wringers, Automatic pressure-release for clothes-. J. F. Hemenway. No. 1,250,171; Dec. 18; v. 245; p. 574.
- Wringers, Automatic pressure-roll release for clothes-. J. F. Hemenway. No. 1,224,541; May 1; v. 238; p. 153.
- Wringers, Automatic pressure-roll release for clothes-. R. P. Wright. No. 1,220,044; Mar. 20; v. 236; p. 816.
- Wringers, Automatic pressure-roll release for clothes-. R. P. Wright. No. 1,220,049; Mar. 20; v. 236; p. 818.
- Wringers, Automatic pressure-roll release for clothes-. R. P. Wright. No. 1,220,050; Mar. 20; v. 236; p. 819.
- Wringers, Automatic pressure-roll release for clothes-. R. P. Wright. No. 1,224,053; Apr. 24; v. 237; p. 1168.
- Wringers, Automatic pressure-roll-releasing device for clothes-. R. P. Wright. No. 1,220,048; Mar. 20; v. 236; p. 818.
- Wringers, Driving mechanism for washing-machine. G. H. Myrick. No. 1,216,478; Feb. 20; v. 235; p. 793.
- Wringers, Operating mechanism for centrifugal. H. G. Braunlich. No. 1,224,266; May 1; v. 238; p. 54.
- Wringers, Pressure-release for clothes-. J. F. Hemenway. No. 1,220,112; Mar. 20; v. 236; p. 842.
- Wringers, Pressure-release for clothes-. J. F. Hemenway. No. 1,220,118; Mar. 20; v. 236; p. 845.
- Wringers, Pressure-release for clothes-. J. F. Hemenway. No. 1,220,119; Mar. 20; v. 236; p. 845.
- Wringers, Pressure-releasing device for clothes-. J. F. Hemenway. No. 1,220,116; Mar. 20; v. 236; p. 844.
- Wringers, Pressure-roll release for. A. E. Holaday. No. 1,220,125; Mar. 20; v. 236; p. 848.
- Wringers, Pressure-roll release for clothes-. J. F. Hemenway. No. 1,211,702; Jan. 9; v. 234; p. 487.
- Wringers, Pressure-roll release for clothes-. J. F. Hemenway. No. 1,219,457; Mar. 20; v. 236; p. 612.
- Wringers, Pressure-roll release for clothes-. J. F. Hemenway. No. 1,220,113; Mar. 20; v. 236; p. 842.
- Wringers, Pressure-roll release for clothes-. J. F. Hemenway. No. 1,220,114; Mar. 20; v. 236; p. 843.
- Wringers, Pressure-roll release for clothes-. J. F. Hemenway. No. 1,220,117; Mar. 20; v. 236; p. 844.
- Wringers, Pressure-roll release for clothes-. A. E. Holaday. No. 1,220,126; Mar. 20; v. 236; p. 848.
- Wringers, Pressure-roll release for clothes-. A. E. Holaday. No. 1,220,127; Mar. 20; v. 236; p. 848.
- Wringers, Pressure-roll release for clothes-. R. P. Wright. No. 1,219,523; Mar. 20; v. 236; p. 635.
- Wringers, Pressure-roll release for clothes-. R. P. Wright. No. 1,220,045; Mar. 20; v. 236; p. 816.

- Wringers, Pressure-roll release for clothes. R. P. Wright. No. 1,220,046; Mar. 20; v. 236; p. 817.
- Wringers, Pressure-roll release for clothes. R. P. Wright. No. 1,220,047; Mar. 20; v. 236; p. 817.
- Wringers, Reversible driving mechanism for clothes. H. W. Darrow. No. 1,242,659; Oct. 9; v. 243; p. 419.
- Wringers, Reversible finger-guard for clothes. R. P. Wright. No. 1,221,943; Apr. 10; v. 237; p. 361.
- Wringer-reversing-gear box. W. J. Conlon. No. 1,238,745; Sept. 4; v. 242; p. 8.
- Wringers, Reversing-gearing for. F. W. Sauer. No. 1,224,962; May 8; v. 238; p. 349.
- Wrinkle-remover. L. D. Cornish. No. 1,215,117; Feb. 6; v. 235; p. 221.
- Wrist-pin fastening for cross-heads. P. H. Kenney. No. 1,231,745; July 3; v. 240; p. 71.
- Wrist-pin lubricator. S. Bakos. No. 1,218,507; Mar. 6; v. 236; p. 213.
- Writing fluid. F. R. Sullivan. No. 1,228,259; May 29; v. 238; p. 1568.
- Writing implement. C. A. Beckett. No. 1,235,096; July 31; v. 240; p. 1295.
- Writing implement or device. W. C. Geer. No. 1,230,149; June 19; v. 239; p. 680.
- Writing instrument. J. J. O'Brien. No. 1,224,495; May 1; v. 238; p. 136.
- Writing-machine. A. B. Edwards and F. K. Russell. No. 1,224,085; Apr. 24; v. 237; p. 1178.
- Writing-machine. F. A. Feleereisel. No. 1,242,167; Oct. 9; v. 243; p. 263.
- Writing machine, Check-. W. J. Fabian. No. 1,248,096; Nov. 27; v. 244; p. 966.
- Writing machine, Check-. L. M. Todd and C. G. Tiefel. No. 1,240,903; Sept. 25; v. 242; p. 787.
- Writing-machine cylinder. H. Strongson. No. 1,242,071; Oct. 2; v. 243; p. 191.
- Writing-machine keyboard. A. B. Edwards. No. 1,214,023; Jan. 30; v. 234; p. 1390.
- Writing-machine keyboard. A. B. Edwards and F. K. Russell. No. 1,222,748; Apr. 17; v. 237; p. 685.
- Writing machine, Multiplex-. F. E. Crompton. No. 1,230,872; June 26; v. 239; p. 959.
- Writing machines, Attachment for check-. J. E. Simpson and C. J. Paulson. No. 1,241,570; Oct. 2; v. 243; p. 34.
- Writing machines, Mechanism for manipulating checks in plural-. F. E. Crompton. No. 1,230,871; June 26; v. 239; p. 958.
- Writing-machines, Paper-feed roll for. A. A. Schwartz. No. 1,247,456; Nov. 20; v. 244; p. 750.
- Writing-tablet. E. M. Africa and B. E. McSheehy. No. 1,241,694; Oct. 2; v. 243; p. 72.
- Writing-tablet, Continuous. H. B. Carlson. No. 1,240,820; Sept. 25; v. 242; p. 761.
- X-ray and other machines, Time-controlled switch for. H. F. Waite. No. 1,235,261; July 31; v. 240; p. 1344.
- X-ray and other machines, Time-switch for. H. F. Waite. No. 1,250,729; Dec. 18; v. 245; p. 741.
- X-ray apparatus. E. W. Caldwell. No. 1,217,148; Feb. 27; v. 235; p. 1066.
- X-ray apparatus. E. W. Caldwell. No. 1,217,149; Feb. 27; v. 235; p. 1067.
- X-ray apparatus. W. D. Coolidge. No. 1,215,116; Feb. 6; v. 235; p. 221.
- X-ray apparatus. E. Pohl. No. 1,233,122; July 10; v. 240; p. 556.
- X-ray apparatus. H. F. Waite. No. 1,250,730; Dec. 18; v. 245; p. 742.
- X-ray apparatus. J. B. Wantz. No. 1,236,792; Aug. 14; v. 241; p. 441.
- X-ray apparatus. J. B. Wantz. No. 1,239,145; Sept. 4; v. 242; p. 137.
- X-ray apparatus. J. B. Wantz. No. 1,242,498; Oct. 9; v. 243; p. 366.
- X-ray apparatus, Stereoscopic. W. D. Coolidge. No. 1,250,093; Dec. 11; v. 245; p. 512.
- X-ray device. L. E. Dempster. No. 1,246,066; Nov. 13; v. 244; p. 306.
- X-ray exposures, Plate-holder for. H. G. Leisenring. No. 1,219,965; Mar. 20; v. 236; p. 790.
- X-ray system. C. E. Campbell. No. 1,236,051; Aug. 7; v. 241; p. 171.
- X-ray system. H. C. Snook. No. 1,233,137; July 10; v. 240; p. 561.
- X-ray system. H. F. Waite. No. 1,246,508; Nov. 13; v. 244; p. 439.
- X-ray system. H. F. Waite. No. 1,250,731; Dec. 18; v. 245; p. 742.
- X-ray table. J. B. Wantz. No. 1,216,633; Feb. 20; v. 235; p. 848.
- X-ray table. J. B. Wantz. No. 1,239,146; Sept. 4; v. 242; p. 137.
- X-ray tube. W. D. Coolidge. No. 1,211,092; Jan. 2; v. 234; p. 246.
- X-ray tube. W. Robinson. No. 1,226,383; May 15; v. 238; p. 875.
- X-ray tube. F. A. Wiggin. No. 1,218,026; Mar. 6; v. 236; p. 48.
- X-ray-tube apparatus. E. W. Caldwell. No. 1,227,884; May 29; v. 238; p. 1445.
- X-ray-tube operation, System of. G. R. Hogan and H. P. MacLagan. No. 1,213,872; Jan. 30; v. 234; p. 1337.
- X-ray tubes and the like, Protecting means for. W. Meyer. No. 1,237,362; Aug. 21; v. 241; p. 660.
- X-ray tubes, Method of and apparatus for controlling. I. Langmuir. No. 1,251,388; Dec. 25; v. 245; p. 985.
- Xylophone. J. C. Deagan. No. 1,234,140; July 24; v. 240; p. 957.
- Yardstick and computing device, Combined. W. E. Hosch. No. 1,214,789; Feb. 6; v. 235; p. 106.
- Yarn and thread holder for crocheters and knitters. T. Inouye. No. 1,219,399; Mar. 13; v. 236; p. 562.
- Yarn and treating same to facilitate weaving and for other purposes, Metallic. W. H. Underwood. No. 1,249,252; Dec. 4; v. 245; p. 238.
- Yarn-carrier. H. D. Colman. No. 1,236,822; Aug. 14; v. 241; p. 451.
- Yarn-chains, Apparatus for unwrapping. H. W. Owen. No. 1,212,668; Jan. 16; v. 234; p. 859.
- Yarn from bobbins, Apparatus for removing. W. G. Jopson. No. 1,243,071; Oct. 16; v. 243; p. 586.
- Yarn-holding reel. L. S. Coburn. No. 1,242,657; Oct. 9; v. 243; p. 419.
- Yarn-mass supports, &c., Protector for wound-. H. L. Tiffany. No. 1,240,104; Sept. 11; v. 242; p. 466.
- Yarn-moistening device. G. N. Taylor. No. 1,240,625; Sept. 18; v. 242; p. 666.
- Yarn or thread, Machine for producing bundles of. I. H. Sisson. No. 1,235,942; Aug. 7; v. 241; p. 135.
- Yarn-package and winding same. G. W. Foster. No. 1,233,041; July 10; v. 240; p. 529.
- Yarn package, Knitting-. J. K. Altemus. No. 1,214,741; Feb. 6; v. 235; p. 91.
- Yarn-sizing machine. B. E. Byrd. No. 1,214,998; Feb. 6; v. 235; p. 183.
- Yarn-sizing machines, Tension device for. B. E. Byrd. No. 1,214,999; Feb. 6; v. 235; p. 183.
- Yarn-tension device. H. F. Gruman. No. 1,243,162; Oct. 16; v. 243; p. 611.
- Yarn, Tension device for winding. J. D. Pennell. No. 1,214,820; Feb. 6; v. 235; p. 116.
- Yarn-winding frames and the like, Tension apparatus for. W. Lister. No. 1,211,862; Jan. 9; v. 234; p. 545.
- Yarn-winding machine. J. K. Altemus. No. 1,214,742; Feb. 6; v. 235; p. 91.
- Yarn-winding machinery. J. W. Morrison and T. W. Holt. No. 1,237,367; Aug. 21; v. 241; p. 662.
- Yarns, Machine for threading tuft-. C. Lea. No. 1,213,216; Jan. 23; v. 234; p. 1080.
- Yarns or threads, Apparatus for conditioning or damping. T. Halliwell. No. 1,249,384; Dec. 11; v. 245; p. 307.
- Yarns, threads, and twines, Machine for glazing and finishing. E. E. Aspinwall. No. 1,212,877; Jan. 16; v. 234; p. 930.
- Yeast, mucorini, molds, bacilli, &c., Pure-culture apparatus for. J. H. P. Magné. No. 1,212,656; Jan. 16; v. 234; p. 854.
- Yeast substitute. J. O. Lumsden. No. 1,226,347; May 15; v. 238; p. 864.
- Yoke. R. J. Cook. No. 1,224,278; May 1; v. 238; p. 59.
- Yoke. S. B. Haseltine. No. 1,242,801; Oct. 9; v. 243; p. 464.
- Yoke. J. F. O'Connor. No. 1,232,376; July 3; v. 240; p. 279.
- Yoke. C. B. Patch. No. 1,242,850; Oct. 9; v. 243; p. 480.
- Yoke. C. B. Patch. No. 1,242,852; Oct. 9; v. 243; p. 481.
- Yoke. W. J. Regan. No. 1,236,869; Aug. 14; v. 241; p. 465.
- Yoke and coupling-shank, Combined. H. E. Doerr. No. 1,246,400; Nov. 13; v. 244; p. 407.
- Yoke, Animal-. W. L. McGill. No. 1,245,116; Oct. 30; v. 243; p. 1276.
- Yoke, Animal-. S. P. Prock. No. 1,241,443; Sept. 25; v. 242; p. 955.
- Yoke, Animal-. K. L. Seaman. No. 1,226,021; May 15; v. 238; p. 751.
- Yoke attachment for wagon poles or tongues, Neck-. H. D. Hilton. No. 1,233,358; July 17; v. 240; p. 668.
- Yoke, Cattle-. E. R. Carpenter. No. 1,227,383; May 22; v. 238; p. 1245.
- Yoke, Cattle-. G. H. McKnight. No. 1,237,354; Aug. 21; v. 241; p. 658.
- Yoke clip, Neck-. W. J. Cass. No. 1,224,708; May 1; v. 238; p. 211.
- Yoke, Coupling-. W. Blackmore. No. 1,239,764; Sept. 11; v. 242; p. 361.
- Yoke, Draft-. W. C. Hedgcock. No. 1,223,489; Apr. 24; v. 237; p. 971.
- Yoke, Draft-. G. A. Johnson. No. 1,221,331; Apr. 3; v. 237; p. 116.
- Yoke, Draft-gear. S. B. Haseltine. No. 1,242,799; Oct. 9; v. 243; p. 463.
- Yoke, Draft-gear. S. B. Haseltine. No. 1,242,800; Oct. 9; v. 243; p. 463.
- Yoke, Draft-rigging. A. Copony. No. 1,243,045; Oct. 16; v. 243; p. 577.
- Yoke, Draft-rigging. J. Harris. No. 1,249,388; Dec. 11; v. 245; p. 308.
- Yoke, Draft-rigging. S. B. Haseltine. No. 1,242,802; Oct. 9; v. 243; p. 464.
- Yoke, Draw-bar. W. D. Forsyth. No. 1,216,430; Feb. 20; v. 235; p. 776.

Alphabetical list of inventions—Continued.

- Yoke for draft-riggings. A. Copony. No. 1,240,948; Sept. 25; v. 242; p. 801.
- Yoke for railway draft mechanism, Cast-metal. G. T. Johnson. No. 1,247,962; Nov. 27; v. 244; p. 930.
- Yoke, Hog-. A. H. Bridwell. No. 1,217,696; Feb. 27; v. 235; p. 1259.
- Yoke, Keyless. A. Copony. No. 1,222,933; Apr. 17; v. 237; p. 747.
- Yoke, Keyless. C. B. Patch. No. 1,242,851; Oct. 9; v. 243; p. 480.
- Yoke, Neck-. J. O. Johnston. No. 1,240,052; Sept. 11; v. 242; p. 450.
- Yoke, Neck-. J. A. Walker. No. 1,211,795; Jan. 9; v. 234; p. 519.
- Yoke, Railway-car draft-. J. F. O'Connor. No. 1,242,845; Oct. 9; v. 243; p. 478.
- Yokes and the like, Fastener for breast-. W. F. Ferguson. No. 1,218,069; Mar. 6; v. 236; p. 63.
- Yokes, Resilient bumper for bell-. R. R. Walker. No. 1,235,402; July 31; v. 240; p. 1385.
- Zinc and iron from solutions thereof, Recovering. C. E. Baker. No. 1,224,057; Apr. 24; v. 237; p. 1170.
- Zinc and other similar metals, Apparatus for producing. H. Specketer. No. 1,231,084; June 26; v. 239; p. 1032.
- Zinc-bearing materials, Apparatus for treating. C. A. H. De Saulles. No. 1,215,007; Feb. 6; v. 235; p. 187.
- Zinc-bearing materials, Treating. C. A. H. De Saulles. No. 1,215,006; Feb. 6; v. 235; p. 186.
- Zinc, Chemical primer for. J. H. Cravell. No. 1,221,048; Apr. 3; v. 237; p. 15.
- Zinc, Condenser in the metallurgy of. J. Thomson and F. A. J. Flitz Gerald. No. 1,219,193; Mar. 13; v. 236; p. 491.
- Zinc, copper, or other metals, Apparatus for the electrolytic production of. M. Perreux-Lloyd. No. 1,235,724; Aug. 7; v. 241; p. 62.
- Zinc, copper, or other metals by electrolysis, Apparatus for the production of. M. Perreux-Lloyd. No. 1,235,723; Aug. 7; v. 241; p. 62.
- Zinc, Electrodeposition and extraction of. U. C. Tainton and J. N. Pring. No. 1,247,179; Nov. 20; v. 244; p. 671.
- Zinc-extracting furnace with vertical retorts. R. V. Zelewski. No. 1,250,071; Dec. 11; v. 245; p. 505.
- Zinc-extraction process. H. R. Hanley. No. 1,241,966; Oct. 2; v. 243; p. 158.
- Zinc-furnace. G. Londress and L. Rogers. No. 1,213,922; Jan. 30; v. 234; p. 1354.
- Zinc, Method and apparatus for extracting. E. S. Berglund. No. 1,236,395; Aug. 14; v. 241; p. 309.
- Zinc ores, Apparatus for removing cadmium from. C. P. Fiske. No. 1,246,576; Nov. 13; v. 244; p. 461.
- Zinc, Producing pure. H. Specketer. No. 1,231,083; June 26; v. 239; p. 1032.
- Zinc, Production of metallic. A. J. F. De Bavay. No. 1,233,652; July 17; v. 240; p. 767.
- Zinc, Recovery of. C. H. Fulton. No. 1,213,180; Jan. 23; v. 234; p. 1068.
- Zither. S. C. Osborn. No. 1,239,811; Sept. 11; v. 242; p. 377.
- Zither-action. C. Habermann. No. 1,220,840; Mar. 27; v. 236; p. 1133.
- Zither-action. R. F. Lindenmuth. No. 1,237,918; Aug. 21; v. 241; p. 836.
- Zither-action. F. Menzenhauer. No. 1,226,352; May 15; v. 238; p. 865.
- Zither-action. S. C. Osborn. No. 1,235,368; July 31; v. 240; p. 1376.
- Zither, Key-. L. Jost. No. 1,223,072; Apr. 17; v. 237; p. 796.
- Zither, Keyed. F. X. Audet. No. 1,246,519; Nov. 13; v. 244; p. 442.
- Zither-piano. H. F. Schenuit. No. 1,238,718; Aug. 28; v. 241; p. 1126.
- Zithers, Bass attachment for. W. A. Copeland. No. 1,246,058; Nov. 13; v. 244; p. 304.

ALPHABETICAL LIST OF DESIGNS.

- Advertising menu-frame. S. Philipson. No. 50,914; June 12; v. 239; p. 627.
- Aeroplane. H. J. Kelley and C. H. Garrett, Jr. No. 50,912; June 12; v. 239; p. 626.
- Aeroplane-body. N. W. Dalton. No. 50,714; May 8; v. 238; p. 614.
- Antiskid automobile-tire chain. R. Weeks. No. 51,468; Nov. 6; v. 244; p. 270.
- Antiskid device. W. H. McLaughlin. No. 51,462; Nov. 6; v. 244; p. 269.
- Article-holder. J. Rahn. No. 50,404; Feb. 27; v. 235; p. 1332.
- Article of manufacture. H. Cady. Nos. 50,223-34; Jan. 30; v. 234; pp. 1551-3.
- Article of manufacture. H. Cady. No. 50,236; Jan. 30; v. 234; p. 1551.
- Article of manufacture. S. Geisman. No. 50,508; Mar. 27; v. 236; p. 1192.
- Article of manufacture. L. M. Musliner. No. 50,663; Apr. 24; v. 237; p. 1201.
- Article of manufacture. E. J. Ridgway. No. 50,703; May 1; v. 238; p. 282.
- Article of manufacture. H. J. A. Skipp. No. 51,050; July 17; v. 240; p. 915.
- Articles to be worn on the wrist, Protector for. C. Dean. No. 51,225; Sept. 4; v. 242; p. 232.
- Articles to be worn on the wrist, Protector for. I. R. Lederer. No. 51,182; Aug. 21; v. 241; p. 892.
- Ash-receiver, cigar-rest, and match-box holder, Combined. D. Broderick. No. 50,605; Apr. 17; v. 237; p. 895.
- Ash-tray. M. Allan. No. 51,568; Dec. 18; v. 245; p. 810.
- Ash-tray. F. L. Keppler. No. 50,390; Feb. 27; v. 235; p. 1329.
- Automobile. F. M. Archer. Nos. 50,373-4; Feb. 27; v. 235; p. 1326.
- Automobile-body. L. F. Blassington. No. 50,602; Apr. 17; v. 237; p. 894.
- Automobile-body. M. E. Crow. No. 51,198; Aug. 28; v. 241; p. 1132.
- Automobile-body. C. Dumelin. No. 50,651; Apr. 24; v. 237; p. 1199.
- Automobile-body. F. L. and E. M. Mackemer. No. 50,218; Jan. 23; v. 234; p. 1289.
- Automobile-body. F. L. and E. M. Mackemer. No. 50,448; Mar. 13; v. 236; p. 577.
- Automobile-body. W. J. P. Moore. Nos. 50,952-3; June 19; v. 239; p. 915.
- Automobile-body. F. Richard. No. 50,799; May 15; v. 238; p. 959.
- Automobile-body. G. V. Strahan. Nos. 50,536-7; Mar. 27; v. 236; pp. 1196-7.
- Automobile-body. W. W. Walton. No. 51,127; Aug. 7; v. 241; p. 279.
- Automobile-fender. A. Guerriero. No. 51,414; Oct. 23; v. 243; p. 1044.
- Automobile-heater. C. E. Bridges. No. 50,505; Mar. 27; v. 236; p. 1191.
- Automobile-hood. F. R. Fageol. No. 51,492; Nov. 20; v. 244; p. 797.
- Automobile-indicator. A. H. House. O. W. Olmsted, and W. L. Gumprecht. No. 50,418; Mar. 6; v. 236; p. 254.
- Automobile-indicator. W. Westenfield. No. 51,360; Oct. 9; v. 243; p. 504.
- Automobile-meter. F. V. Cowan. No. 50,568; Apr. 10; v. 237; p. 595.
- Automobile-radiator. T. P. Chase. No. 50,266; Feb. 6; v. 235; p. 300.
- Automobile-radiator. V. L. Emerson. No. 50,776; May 15; v. 238; p. 954.
- Automobile-radiator. F. R. Fageol. No. 50,270; Feb. 6; v. 235; p. 301.
- Automobile-radiator. C. T. Silver. No. 50,253; Jan. 30; v. 234; p. 1557.
- Automobile-radiator. C. T. Silver. No. 50,406; Feb. 27; v. 235; p. 1332.
- Automobile-radiator. J. Skandora. No. 50,488; Mar. 20; v. 236; p. 874.
- Automobile-radiator ornament. F. W. Stacey. No. 51,615; Dec. 18; v. 245; p. 819.
- Automobile rear curtain. J. V. Whitbeck. No. 51,192; Aug. 21; v. 241; p. 893.
- Automobile rear-end signal device. G. E. Schweizer. No. 50,921; June 12; v. 239; p. 628.
- Automobile-signal. D. B. Williams. No. 50,411; Feb. 27; v. 235; p. 1333.
- Automobile signal-box. E. T. Gray and A. T. Hoevet. No. 50,127; Jan. 2; v. 234; p. 346.
- Automobile signal-light. J. P. Becker. No. 50,930; June 19; v. 239; p. 911.
- Automobile-top. F. Richard. No. 51,268; Sept. 11; v. 242; p. 494.
- Automobile-top. C. T. Silver. No. 50,252; Jan. 30; v. 234; p. 1557.
- Autoscope arm and clamp. F. W. Ehrlich. No. 50,377; Feb. 27; v. 235; p. 1327.
- Autovehicle, Frame for a two-wheeled. W. G. Moore. No. 50,662; Apr. 24; v. 237; p. 1201.
- Autovehicle, Two-wheeled. W. G. Moore. No. 50,280; Feb. 6; v. 235; p. 803.
- Aviation costume. L. Duff-Gordon. No. 51,057; July 24; v. 240; p. 1144.
- Back comb. H. F. Alexis. No. 51,542; Dec. 11; v. 245; p. 527.
- Badge. G. W. Baker. No. 50,803; May 22; v. 238; p. 1306.
- Badge. J. Drefs. No. 51,260; Sept. 11; v. 242; p. 493.
- Badge. G. Force. No. 51,411; Oct. 23; v. 243; p. 1044.
- Badge. G. Kéfer. No. 51,306; Sept. 25; v. 242; p. 975.
- Badge. F. X. Kirsch. No. 50,913; June 12; v. 239; p. 626.

- Badge. H. C. Page. Nos. 51,211-13; Aug. 28; v. 241; p. 1134.
- Badge. H. H. Pattee. No. 51,267; Sept. 11; v. 242; p. 494.
- Badge. H. R. Terryberry. No. 50,470; Mar. 20; v. 236; p. 871.
- Badge, button, finger-ring, scarf-pin, or similar article. L. Lehr. No. 50,995; July 3; v. 240; p. 312.
- Badge, emblem, or similar article. F. G. Crabb. No. 51,010; July 10; v. 240; p. 617.
- Badge or badge-button. J. Singer. No. 51,083; July 24; v. 240; p. 1148.
- Badge or button. F. L. Long. No. 50,893; June 5; v. 239; p. 293.
- Badge or button. F. E. Wheaton. No. 50,455; Mar. 13; v. 236; p. 578.
- Badge or emblem. M. J. Szameit. No. 51,427; Oct. 23; v. 243; p. 1047.
- Badge or emblem. F. W. Whitehouse. No. 51,248; Sept. 4; v. 242; p. 236.
- Badge or insignia. J. T. Bailey. Nos. 50,289-90; Feb. 13; v. 235; p. 664.
- Badge or insignia. W. Lehmborg. No. 50,582; Apr. 10; v. 237; p. 597.
- Badge or medal. E. F. Ramsberger. No. 50,957; June 19; v. 239; p. 916.
- Badge or pendant. Patriotic. W. B. Hartnett. No. 51,015; July 10; v. 240; p. 618.
- Badge or similar article. C. E. Babcock, Sr. Nos. 51,569-70; Dec. 18; v. 245; p. 810.
- Badge or similar article. E. A. Davis. No. 50,965; June 26; v. 239; p. 1188.
- Badge or similar article. J. Gavurin and S. Qualwasser. No. 51,494; Nov. 20; v. 244; p. 797.
- Badge, Patriotic. F. E. Phinney. No. 51,046; July 17; v. 240; p. 914.
- Badge, pin, or similar article of jewelry. H. V. Elliott. No. 50,442; Mar. 13; v. 236; p. 575.
- Bag, Combined dress and knitting-. F. McGowan. No. 51,602; Dec. 18; v. 245; p. 816.
- Bag frame, Hand-. M. Zinn. No. 50,213; Jan. 16; v. 234; p. 1034.
- Bag-handle. T. Cohn. No. 51,491; Nov. 20; v. 244; p. 796.
- Ball, Playing-. A. T. Hopkins. No. 51,176; Aug. 21; v. 241; p. 891.
- Ball, Rubber. R. C. Eddy. No. 50,652; Apr. 24; v. 237; p. 1199.
- Bank. J. J. Stivers. No. 50,327; Feb. 13; v. 235; p. 671.
- Bank case, Clock-. E. S. Hoche. Nos. 50,984-94; July 3; v. 240; pp. 310-12.
- Bank-note. A. S. Major. Nos. 50,816-17; May 22; v. 238; p. 1309.
- Bank-note. A. S. Major. No. 51,317; Oct. 2; v. 243; p. 211.
- Bank, Savings-. H. L. Stanton. No. 51,561; Dec. 11; v. 245; p. 531.
- Bank, Slot-machine savings-. J. S. Curtiss. No. 51,366; Oct. 16; v. 243; p. 769.
- Barrel, Metallic. J. W. Darley, Jr. No. 50,295; Feb. 13; v. 235; p. 665.
- Basket. A. J. Sanford. No. 51,308; Sept. 25; v. 242; p. 975.
- Basket, Waste-. J. B. Ellis. No. 51,368; Oct. 16; v. 243; p. 770.
- Bath-tub. M. Miyahara. No. 51,506; Nov. 20; v. 244; p. 799.
- Bathing-cap. H. F. Samstag. Nos. 50,322-3; Feb. 13; v. 235; pp. 670-1.
- Bathing-cap. A. R. Sheehan. No. 51,398; Oct. 16; v. 243; p. 775.
- Bedstead. L. A. Brown. No. 51,329; Oct. 9; v. 243; p. 498.
- Bench. L. G. Haase. No. 51,553; Dec. 11; v. 245; p. 529.
- Bicycle and motor-cycle frame. G. W. Rottweiler. No. 51,323; Oct. 2; v. 243; p. 212.
- Billiard-table leg. F. P. Grode. No. 50,347; Feb. 20; v. 235; p. 1024.
- Biscuit, Loaf of. A. F. Ward. No. 50,827; May 22; v. 238; p. 1311.
- Biscuit, Pan-. G. V. Geis. No. 50,810; May 22; v. 238; p. 1308.
- Block-holding frame. J. E. Rosenfeld. No. 51,154; Aug. 14; v. 241; p. 595.
- Blotters, paper-weights, or similar articles, Back for. F. Yokel. Nos. 50,490-91; Mar. 20; v. 236; p. 875.
- Bolt, Surface. A. G. Weiser. No. 51,088; July 24; v. 240; p. 1149.
- Book-cover. G. J. Baitinger. No. 51,091; July 31; v. 240; p. 1434.
- Book, Note-. A. D. Sherman. No. 50,251; Jan. 30; v. 234; p. 1557.
- Book stone or stop. E. J. Kelly and E. A. Ford. Nos. 51,178-9; Aug. 21; v. 241; pp. 891-2.
- Books, Cover for. T. Arends. No. 51,362; Oct. 16; v. 243; p. 769.
- Bottle. G. E. Brett. No. 51,409; Oct. 23; v. 243; p. 1043.
- Bottle. E. Epstein. No. 50,341; Feb. 20; v. 235; p. 1023.
- Bottle. A. O. Freedman. No. 50,837; May 29; v. 238; p. 1613.
- Bottle. E. Ginnett. No. 51,139; Aug. 14; v. 241; p. 593.
- Bottle. C. M. McClure. No. 50,395; Feb. 27; v. 235; p. 1330.
- Bottle. E. S. Sutton. No. 51,617; Dec. 18; v. 245; p. 819.
- Bottle and brush-cleaner, Mucilage-. A. E. Huband. No. 50,974; June 26; v. 239; p. 1189.
- Bottle-cap. G. Thompson. No. 51,618; Dec. 18; v. 245; p. 819.
- Bottle case, Vacuum-. A. C. Recker. Nos. 50,588-9; Apr. 10; v. 237; p. 598.
- Bottle, Glass. R. G. Dawson. Nos. 50,296-300; Feb. 13; v. 235; pp. 665-6.
- Bottle holder and ticket-rack, Milk-. A. Ostrom. No. 50,975; June 26; v. 239; p. 1189.
- Bottle, Poison-. E. Henel. No. 51,593; Dec. 18; v. 245; p. 815.
- Bottle, Poison-. J. E. Johnson. No. 50,421; Mar. 6; v. 236; p. 255.
- Bottle, Poison-. J. E. Johnson. No. 51,142; Aug. 14; v. 241; p. 593.
- Bottle, Poison-. H. Lee. No. 50,815; May 22; v. 238; p. 1309.
- Bottle, Poison-. J. J. Spargo. No. 50,561; Apr. 3; v. 237; p. 289.
- Bottle, syringe-bag, or similar article, Water-. F. O. Williams. No. 50,144; Jan. 2; v. 234; p. 350.
- Bottle, Toilet-. C. L. Reizenstein. No. 51,560; Dec. 11; v. 245; p. 531.
- Bottle, Vacuum water-. F. C. Smith. No. 51,002; July 3; v. 240; p. 314.
- Bowl and support, Fish-. H. Simons. No. 51,433; Oct. 23; v. 243; p. 1048.
- Bowl, Nut-. W. E. Hunter. No. 50,271; Feb. 6; v. 235; p. 301.
- Bowl, Nut-. A. H. Kolker. No. 51,071; July 24; v. 240; p. 1146.
- Bowl, Nut-. W. H. Morris. No. 51,148; Aug. 14; v. 241; p. 594.
- Bowl or similar article, Sugar-. O. H. Sebring. No. 50,821; May 22; v. 238; p. 1310.
- Bracelet. J. C. O'Brien. No. 51,487; Nov. 13; v. 244; p. 542.
- Bracket-back, Body for oval. C. E. Jones. No. 50,872; June 5; v. 239; p. 289.
- Bracket-back ornament. C. E. Jones. No. 51,384; Oct. 16; v. 243; p. 772.
- Bracket-backs, Arm-pocket for oval. C. E. Jones. No. 51,385; Oct. 16; v. 243; p. 772.
- Brassière, Reducing-. M. Perillat. No. 50,702; May 1; v. 238; p. 282.
- Bread receptacle or server. H. Lewis. No. 50,996; July 3; v. 240; p. 312.
- Brocade. J. H. Bunting. Nos. 50,829-31; May 29; v. 238; pp. 1611-12.
- Brooch, pin, or similar article. H. B. C. Butler. No. 51,330; Oct. 9; v. 243; p. 498.
- Broom attachment. I. M. Jenkins. No. 50,308; Feb. 13; v. 235; p. 667.
- Broom-clamp. M. Rasmussen. No. 50,630; Apr. 17; v. 237; p. 900.
- Broom holder, Whisk-. H. L. Conde. No. 51,364; Oct. 16; v. 243; p. 769.
- Brush, Shampoo-. R. J. Montgomery. No. 51,319; Oct. 2; v. 243; p. 211.
- Brush, Shaving-. S. Werschansky. No. 50,856; May 29; Gaz. vol. 238; p. 1617.
- Brush, Tooth-. A. M. Carrier. No. 51,135; Aug. 14; v. 241; p. 592.
- Bucket or similar article, Minnow-. P. G. Lucas, Jr. No. 50,755; May 8; v. 238; p. 624.
- Buckle, Shield-. R. A. Schwahn. No. 50,633; Apr. 17; v. 237; p. 900.
- Button. W. W. Hobe. No. 50,656; Apr. 24; v. 237; p. 1200.
- Button. A. B. Hopkins. No. 51,122; Aug. 7; v. 241; p. 278.
- Button. N. Marg. No. 51,318; Oct. 2; v. 243; p. 211.
- Button. J. S. Monaghan. Nos. 50,843-6; May 29; v. 238; pp. 1614-15.
- Button. J. S. Monaghan. No. 51,123; Aug. 7; v. 241; p. 278.
- Button. M. D. Nekarda. No. 50,819; May 22; v. 238; p. 1309.
- Button. G. W. Reed. No. 51,465; Nov. 6; v. 244; p. 270.
- Button. R. Seibert. Nos. 50,850-1; May 29; v. 238; p. 1616.
- Button, badge, or similar article. J. A. Berchtold. No. 50,412; Mar. 6; v. 236; p. 253.
- Button, Collar-. W. M. Larrabee. No. 50,476; Mar. 20; v. 236; p. 872.
- Button, Cuff-. S. Bray. No. 51,173; Aug. 21; v. 241; p. 890.
- Button, emblem, or other insignia. G. E. Fairchild. No. 50,884; June 5; v. 239; p. 292.
- Button-hook and bottle-opener, Combination. H. Korpi. No. 50,949; June 19; v. 239; p. 915.
- Button or pin. G. Hartrick. No. 51,065; July 24; v. 240; p. 1145.
- Cabinet. C. S. Andrews. No. 51,451; Nov. 6; v. 244; p. 267.
- Cabinet. P. Armstrong. No. 51,008; July 10; v. 240; p. 617.

Alphabetical list of designs—Continued.

- Cabinet. F. W. Tobey. No. 50,923; June 12; v. 239; p. 629.
- Cabinet. M. Walrath. No. 50,328; Feb. 13; v. 235; p. 671.
- Cabinet and range, Combined kitchen. R. E. Sard and H. P. G. Norstrand. No. 51,048; July 17; v. 240; p. 914.
- Cabinet, Barber's. B. Chianco. No. 50,237; Jan. 30; v. 234; p. 1554.
- Cabinet, China-. E. W. Lee. No. 51,432; Oct. 23; v. 243; p. 1048.
- Cabinet, Combination-. J. J. Bush. No. 51,222; Sept. 4; v. 242; p. 231.
- Cabinet, Dental. T. W. Kelton. No. 51,016; July 10; v. 240; p. 618.
- Cabinet for cartons, Display-. A. Stein. No. 50,452; Mar. 13; v. 236; p. 578.
- Cabinet for electrical purposes. E. M. Crane and C. R. Pelton. No. 51,365; Oct. 16; v. 243; p. 769.
- Cabinet, Lens-. W. R. Uhlemann. No. 51,157; Aug. 14; v. 241; p. 596.
- Cabinet or casing, Register. H. A. Martin. No. 50,841; May 29; v. 238; p. 1614.
- Cabinet, Record-. J. Wolff. No. 50,859; May 29; v. 238; p. 1618.
- Cabinet, Scale-. J. B. Watling. No. 50,368; Feb. 20; v. 235; p. 1028.
- Cabinet, Wall-. W. L. Phelan. No. 50,209; Jan. 16; v. 234; p. 1034.
- Cabinet, Wheeled. T. F. Cummings. No. 50,713; May 8; v. 238; p. 614.
- Cabinets and other furniture, Corner-post for. S. E. Overton. No. 50,425; Mar. 6; v. 236; p. 256.
- Calcite mushroom bowls, Clamp for. C. E. Jones. No. 51,383; Oct. 16; v. 243; p. 772.
- Caliper. E. E. Ellis. No. 50,378; Feb. 27; v. 235; p. 1327.
- Can or similar article. E. A. Towle. No. 50,453; Mar. 13; v. 236; p. 578.
- Candle. E. J. Engman. No. 51,588; Dec. 18; v. 245; p. 814.
- Candle. H. H. Will. No. 50,671; Apr. 24; v. 237; p. 1203.
- Candlestick. R. Y. Barrows and G. V. Strahan. No. 50,173; Jan. 16; v. 234; p. 1026.
- Candlestick for altars. G. R. Bailey. No. 50,642; Apr. 24; v. 237; p. 1197.
- Candy-box. M. A. Moffatt. No. 50,791; May 15; v. 238; p. 957.
- Candy-container. L. M. Coolidge. No. 50,554; Apr. 3; v. 237; p. 287.
- Candy lozenge. H. J. Mueller. No. 51,628; Dec. 25; v. 245; p. 1007.
- Candy tablet. S. M. Watanabe. No. 50,538; Mar. 27; v. 236; p. 1197.
- Candy tablet or the like. J. Harris. No. 50,148; Jan. 9; v. 234; p. 653.
- Canteen. W. J. Boyle, Sr. No. 50,182; Jan. 16; v. 234; p. 1029.
- Car-handle and shield, Combined. H. Jordan. No. 50,446; Mar. 13; v. 236; p. 576.
- Carbid-carrier. A. C. Recker. No. 50,140; Jan. 2; v. 234; p. 349.
- Card, Playing-. J. A. Beck. Nos. 51,573-8; Dec. 18; v. 245; pp. 811-12.
- Card, Sample-. J. Schwab. No. 51,100; July 31; v. 240; p. 1435.
- Carpet. J. C. Fulton. No. 51,261; Sept. 11; v. 242; p. 493.
- Carpet-cleaner casing. E. Krantz. No. 50,310; Feb. 13; v. 235; p. 668.
- Carpet, rug, or similar article. G. J. Stengel. No. 51,217; Aug. 28; v. 241; p. 1135.
- Carton or other article of manufacture. M. C. Furchgott. No. 50,507; Mar. 27; v. 236; p. 1191.
- Casket. H. Coleman. No. 50,712; May 8; v. 238; p. 614.
- Casket. C. L. Smith. No. 50,880; June 5; v. 239; p. 291.
- Casket, Burial-. M. A. Capell. No. 51,134; Aug. 14; v. 241; p. 592.
- Casket corner-piece, Burial-. C. Blesch. Nos. 51,040-1; July 17; v. 240; pp. 912-13.
- Casket-handle and lugs. G. R. Bailey. No. 50,599; Apr. 17; v. 237; p. 894.
- Casket-handle arm. E. R. Sargent. No. 50,920; June 12; v. 239; p. 628.
- Casket-handle arm and lug. G. R. Bailey. No. 50,598; Apr. 17; v. 237; p. 894.
- Casket-handle lug. G. R. Bailey. No. 50,710; May 8; v. 238; p. 614.
- Casket-handle lug. G. R. Bailey. No. 50,771; May 15; v. 238; p. 953.
- Casket ornament. G. R. Bailey. No. 50,772; May 15; v. 238; p. 954.
- Casket plate, Burial-. C. Blesch. Nos. 51,038-9; July 17; v. 240; p. 912.
- Ceiling-plate. F. C. Hobbs. No. 50,201; Jan. 16; v. 234; p. 1032.
- Chain link, Neck-. E. Speidel. No. 50,766; May 8; v. 238; p. 626.
- Chair. J. Wade. No. 50,924; June 12; v. 239; p. 629.
- Chair, Child's combination nursery and high. J. C. Reamer and M. Posedel. No. 50,587; Apr. 10; v. 237; p. 598.
- Chair-pedestal. J. Barker. No. 50,900; June 12; v. 239; p. 624.
- Chair-seat. A. Zweibach. No. 51,469; Nov. 6; v. 244; p. 271.
- Chair, Table-. W. B. Trowbridge. No. 50,767; May 8; v. 238; p. 626.
- Chandeller-body, Center plate for a. R. Y. Barrows and G. V. Strahan. No. 50,169; Jan. 16; v. 234; p. 1025.
- Chandeller-body rim. R. Y. Barrows and G. V. Strahan. Nos. 50,170-1; Jan. 16; v. 234; p. 1026.
- Chandeller ceiling-ring. R. Y. Barrows and G. V. Strahan. No. 50,174; Jan. 16; v. 234; p. 1027.
- Chandeller for a lighting-fixture. R. G. Wagner and E. J. Schweitzer. Nos. 51,005-6; July 3; v. 240; pp. 314-15.
- Chandeller or bracket arm. C. E. Jones. No. 50,697; May 1; v. 238; p. 281.
- Chandeliers and brackets, Arm for. C. E. Jones. Nos. 50,516-20; Mar. 27; v. 236; p. 1193.
- Chandeliers, Chain-support for. C. E. Jones. No. 50,691; May 1; v. 238; p. 280.
- Charm. A. G. Kleint. No. 50,135; Jan. 2; v. 234; p. 349.
- Check-protecting-machine frame. B. O. Fanslow. No. 50,187; Jan. 16; v. 234; p. 1030.
- Check, Savings and discount. K. Byington. No. 51,093; July 31; v. 240; p. 1434.
- Chop-dish or similar article. G. P. Ittig. No. 50,132; Jan. 2; v. 234; p. 348.
- Cigar-package. H. L. Roby. No. 51,214; Aug. 28; v. 241; p. 1134.
- Cigarettes, Automatic salesman for. F. M. A. Neubert. No. 50,355; Feb. 20; v. 235; p. 1026.
- Circlet. A. F. and E. W. Steiner. No. 50,668; Apr. 24; v. 237; p. 1202.
- Cleaner casing, Suction-. J. B. Kirby. No. 50,946; June 19; v. 239; p. 914.
- Clock. N. Dreyfus. No. 51,278; Sept. 18; v. 242; p. 727.
- Clock, Altar-. K. Babecki. No. 51,090; July 31; v. 240; p. 1433.
- Clock-bank case. A. C. Grunwald. Nos. 50,717-22; May 8; v. 238; pp. 615-16.
- Clock-bank case. E. S. Hoche. Nos. 50,724-50; May 8; v. 238; pp. 617-23.
- Clock-case. J. N. Simms. No. 50,152; Jan. 9; v. 234; p. 654.
- Clock, Street-. F. Fontana. No. 51,280; Sept. 18; v. 242; p. 728.
- Cloth, paper, leather, or other fabric. H. F. Hatch. No. 50,686; May 1; v. 238; p. 279.
- Clothes-hanger. J. D. Barber. No. 51,572; Dec. 18; v. 245; p. 811.
- Clothes-pin. W. Pearson. No. 51,186; Aug. 21; v. 241; p. 893.
- Coffee and tea pot, Combined. G. Gaspar. No. 50,779; May 15; v. 238; p. 955.
- Coffee-machine standard. G. E. Curtiss. Nos. 51,199-200; Aug. 28; v. 241; p. 1132.
- Coffee-pot. W. Luttringhaus. No. 50,756; May 8; v. 238; p. 624.
- Coffee-pot. G. G. Sapp. No. 50,141; Jan. 2; v. 234; p. 350.
- Collar. M. Ballin. No. 50,643; Apr. 24; v. 237; p. 1198.
- Collar. H. O. Willson. No. 50,596; Apr. 10; v. 237; p. 600.
- Collar, Lady's. F. Grinoch. No. 51,590; Dec. 18; v. 245; p. 814.
- Collar-retainer. J. I. Warner. No. 51,324; Oct. 2; v. 243; p. 212.
- Comb. J. Glywaichuk. No. 50,983; July 3; v. 240; p. 310.
- Comb. J. I. Rice. No. 50,535; Mar. 27; v. 236; p. 1196.
- Computers, guide maps, charts, and similar devices, Indicator-hand for. A. H. Pleasants. No. 50,847; May 29; v. 238; p. 1615.
- Concrete smoke-jack. H. E. Burns. No. 50,903; June 12; v. 239; p. 625.
- Connecting-rod. H. B. Layman. No. 50,754; May 8; v. 238; p. 624.
- Cooking-receptacle cover. S. E. Brock. No. 50,645; Apr. 24; v. 237; p. 1198.
- Cord holder and cutter. J. N. Schramm. No. 50,362; Feb. 20; v. 235; p. 1027.
- Counter or cabinet, Sales. H. A. Dalley. No. 51,299; Sept. 25; v. 242; p. 974.
- Cream-pitcher or similar article. O. H. Sebring. No. 50,761; May 8; v. 238; p. 625.
- Cream-separators, Machine frame or standard for. H. B. Keiper. No. 51,498; Nov. 20; v. 244; p. 798.
- Cretonne or other textile fabric. M. W. Ryan. No. 50,632; Apr. 17; v. 237; p. 900.
- Cretonne or other textile fabric. M. W. Ryan. No. 50,760; May 8; v. 238; p. 625.
- Cretonne or other flexible fabric. M. W. Ryan. Nos. 51,031-3; July 10; v. 240; p. 621.
- Cretonne, silk, tapestry, wall-paper, or print goods. R. Griffin. No. 50,472; Mar. 20; v. 236; p. 872.
- Crib, Nursery-. A. W. Jansen. No. 50,273; Feb. 6; v. 235; p. 302.
- Curtain. T. J. McMahon. No. 50,757; May 8; v. 238; p. 624.
- Curtain, Drop-. I. A. Wright. No. 50,672; Apr. 24; v. 237; p. 1203.

- Curtain, Rope. H. L. Hezinger. No. 51,121; Aug. 7; v. 241; p. 278.
- Dental sanitary fountain. E. H. Shibley. No. 51,289; Sept. 18; v. 242; p. 729.
- Deposit-receptacle, Pocket. A. McPhaden. No. 50,842; May 29; v. 238; p. 1614.
- Desk article, Combination. E. H. Binns. No. 50,901; June 12; v. 239; p. 624.
- Desk-tray. F. A. Fuller. No. 50,838; May 29; v. 238; p. 1613.
- Diploma. S. L. Zambrano. No. 51,035; July 10; v. 240; p. 622.
- Direction-indicator. T. S. Savage. No. 51,394; Oct. 16; v. 243; p. 774.
- Dish. J. E. Goodwin. No. 50,383; Feb. 27; v. 235; p. 1328.
- Dish, Covered. E. J. Ridgway. No. 50,487; Mar. 20; v. 236; p. 874.
- Dish-drainer. M. L. Frayser. No. 51,061; July 24; v. 240; p. 1144.
- Dish or similar article. T. D. Anderson. No. 51,194; Aug. 28; v. 241; p. 1131.
- Dish, plate, or similar article. A. G. Kintz. No. 51,459; Nov. 6; v. 244; p. 268.
- Dish-scalding device. J. Miller. No. 50,818; May 22; v. 238; p. 1309.
- Dish-washer tank. W. R. Walker. No. 51,447; Oct. 30; v. 243; p. 1293.
- Display-card or similar article. P. Voges. No. 50,594; Apr. 10; v. 237; p. 599.
- Display-case for spectacles. F. Willson. No. 51,128; Aug. 7; v. 241; p. 279.
- Display-case with mirror. M. A. Skall. No. 50,268; Feb. 6; v. 235; p. 301.
- Display-sign. M. H. Harris. No. 51,495; Nov. 20; v. 244; p. 797.
- Display-stand. J. A. Gustus and H. J. Erzinger. No. 50,619; Apr. 17; v. 237; p. 898.
- Display-stand. J. P. Stetson. No. 50,823; May 22; v. 238; p. 1310.
- Display stand, Hat-. C. R. Hester. No. 51,316; Oct. 2; v. 243; p. 211.
- Doll. L. Boyd. No. 51,172; Aug. 21; v. 241; p. 890.
- Doll. A. Cassidy. No. 50,294; Feb. 13; v. 235; p. 665.
- Doll. N. S. Day. No. 50,648; Apr. 24; v. 237; p. 1198.
- Doll. L. M. Fellom. No. 51,202; Aug. 28; v. 241; p. 1133.
- Doll. M. E. Harris. No. 51,234; Sept. 4; v. 242; p. 234.
- Doll. E. I. Horsman, Jr. Nos. 50,657-8; Apr. 24; v. 237; p. 1200.
- Doll. F. Langfelder. No. 51,387; Oct. 16; v. 243; p. 772.
- Doll. M. E. D. McConnell. No. 50,313; Feb. 13; v. 235; p. 668.
- Doll. A. Montgomery and F. K. Reynolds. No. 51,349; Oct. 9; v. 243; p. 502.
- Doll. G. Pfeffer. No. 51,559; Dec. 11; 245; p. 530.
- Doll, Boy. A. Morse. No. 50,315; Feb. 13; v. 235; p. 669.
- Doll, Girl. A. Morse. No. 50,314; Feb. 13; v. 235; p. 669.
- Doll, Hawaiian. E. E. Merrill. No. 50,330; Feb. 13; v. 235; p. 672.
- Doll, Novelty. J. D. Cronan. No. 50,934; June 19; v. 239; p. 912.
- Doll, Nurse. E. E. Merrill. No. 50,477; Mar. 20; v. 236; p. 872.
- Draft-gear yoke. J. O. Neikirk. No. 51,531; Nov. 27; v. 244; p. 1068.
- Dust-pan. T. A. Carver. No. 50,123; Jan. 2; v. 234; p. 346.
- Effigy. N. S. Day. Nos. 50,649-50; Apr. 24; v. 237; p. 1199.
- Egg-candling devices, Casing for. H. E. Winters. No. 51,273; Sept. 11; v. 242; p. 495.
- Electric-bracket back. C. E. Jones. No. 50,693; May 1; v. 238; p. 281.
- Electric fan and motor or similar article, Casing for. W. J. O'Leary. No. 51,098; July 31; v. 240; p. 1435.
- Electric heater. F. Kuhn and F. E. Shailor. No. 50,244; Jan. 30; v. 234; p. 1555.
- Electric-heater casing. E. N. Brown. No. 51,253; Sept. 11; v. 242; p. 491.
- Electric-heater casing. E. N. Brown. Nos. 51,275-6; Sept. 18; v. 242; pp. 726-7.
- Electric heaters and the like, Casing and standard of. B. Falkenberg. No. 51,525; Nov. 27; v. 244; p. 1067.
- Electric-light fixture. G. R. Ainsworth. Nos. 50,331-3; Feb. 20; v. 235; pp. 1021-2.
- Electric-light fixture. S. Braunstein. No. 50,964; June 26; v. 239; p. 1187.
- Electric-light fixture. S. Braunstein. Nos. 51,251-2; Sept. 11; v. 242; p. 491.
- Electric-light fixture. T. O'Donnell. No. 50,138; Jan. 2; v. 234; p. 349.
- Electric-light wall-costumer. F. D. Pelletier. No. 51,392; Oct. 16; v. 243; p. 774.
- Electric lights, Glass shade for. A. W. Reiser. Nos. 50,877-8; June 5; v. 239; pp. 290-1.
- Electric lights, Switch-slide for portable. H. Rothenberg. No. 51,241; Sept. 4; v. 242; p. 235.
- Electrical-conduit fitting. J. C. Boyton. No. 50,462; Mar. 20; v. 236; p. 869.
- Emblem. H. E. Blanks. No. 51,054; July 24; v. 240; p. 1143.
- Emblem. W. H. Boorman. No. 51,536; Dec. 4; v. 245; p. 257.
- Emblem. G. Christensen. No. 50,932; June 19; v. 239; p. 912.
- Emblem. C. F. Elmore. No. 51,094; July 31; v. 240; p. 1434.
- Emblem. P. E. Fleming. No. 50,715; May 8; v. 238; p. 615.
- Emblem. T. Hoyle. No. 51,096; July 31; v. 240; p. 1434.
- Emblem. A. E. Pohlman. No. 50,798; May 15; v. 238; p. 958.
- Emblem. E. C. Reynolds. No. 51,510; Nov. 20; v. 244; p. 800.
- Emblem. L. G. Vanderlee. No. 51,352; Oct. 9; v. 243; p. 503.
- Emblem. F. L. Wilmarth. No. 51,129; Aug. 7; v. 241; p. 279.
- Emblem, badge, or button. C. H. Doke, H. E. Berry, D. H. and C. A. Delzell. No. 50,936; June 19; v. 239; p. 913.
- Emblem, badge, or button, Military. C. H. Doke, H. E. Berry, D. H. and C. A. Delzell. No. 50,937; June 19; v. 239; p. 913.
- Emblem, brooch, button, fob, or similar article. E. C. Heathcote. No. 51,591; Dec. 18; v. 245; p. 814.
- Emblem or badge or emblematical device. I. W. Leaver. No. 51,343; Oct. 9; v. 243; p. 501.
- Emblem or insignia. N. G. Christianson. No. 51,455; Nov. 6; v. 244; p. 267.
- Emblem or insignia. J. Mello. No. 51,019; July 10; v. 240; p. 619.
- Emblem or similar article. B. A. Pierce. No. 51,099; July 31; v. 240; p. 1435.
- Emblem, pin, or badge. F. L. Gailey. No. 51,551; Dec. 11; v. 245; p. 529.
- Embroidery. E. Berger. No. 50,548; Apr. 3; v. 237; p. 286.
- Escutcheon. J. A. Raymond. Nos. 50,219-20; Jan. 23; v. 234; p. 1290.
- Eyeglasses, Pair of. R. A. Heckroth. No. 50,385; Feb. 27; v. 235; p. 1328.
- Fabric or similar article, Textile. C. F. Scholle. No. 51,242; Sept. 4; v. 242; p. 235.
- Fabric, Printed. H. Wearne. No. 50,928; June 12; v. 239; p. 630.
- Fabric, Printed. H. Wearne. Nos. 51,354-9; Oct. 9; v. 243; pp. 503-4.
- Fabric, Textile. E. Coste. No. 51,547; Dec. 11; v. 245; p. 528.
- Fabric, Textile. E. W. Doughty. Nos. 51,300-1; Sept. 25; v. 242; p. 974.
- Fabric, Textile. E. E. Emmerich. No. 50,379; Feb. 27; v. 235; p. 1327.
- Fabric, Textile. R. E. Godfrey. Nos. 50,887-91; June 5; v. 239; pp. 292-3.
- Fabric, Textile. E. I. Hanson. Nos. 50,302-7; Feb. 13; v. 235; pp. 666-7.
- Fabric, Textile. E. I. Hanson. No. 50,384; Feb. 27; v. 235; p. 1328.
- Fabric, Textile. E. I. Hanson. No. 50,621; Apr. 17; v. 237; p. 898.
- Fabric, Textile. E. I. Hanson. Nos. 50,653-4; Apr. 24; v. 237; pp. 1199-1200.
- Fabric, Textile. E. I. Hanson and R. Schey. No. 51,109-20; Aug. 7; v. 241; pp. 275-8.
- Fabric, Textile. H. T. Loomis. No. 51,419; Oct. 23; v. 243; p. 1045.
- Fabric, Textile. B. Nathan. No. 51,149; Aug. 14; v. 241; p. 594.
- Fabric, Textile. B. Nathan. No. 51,320; Oct. 2; v. 243; p. 211.
- Fabric, Textile. A. Sonntag. No. 51,290; Sept. 18; v. 242; p. 729.
- Fabric, Woven. J. E. Jagger. No. 51,417; Oct. 23; v. 243; p. 1045.
- Fan. A. Z. Seror and E. J. Hoyer. No. 51,270; Sept. 11; v. 242; p. 494.
- Feed-trough switch. C. J. Klein. No. 50,353; Feb. 20; v. 235; p. 1025.
- Figure, Animal. T. Soga. No. 50,143; Jan. 2; v. 234; p. 350.
- Fireplace, Portable. N. L. Aucoin. No. 51,295; Sept. 25; v. 242; p. 973.
- Fixture and valve, Combined. A. J. Barr. No. 50,866; June 5; v. 239; p. 288.
- Flag. A. Gramlich. No. 51,331; Oct. 9; v. 243; p. 498.
- Flag. A. Hirsch. No. 51,342; Oct. 9; v. 243; p. 500.
- Flag. C. P. Moore. No. 51,443; Oct. 30; v. 243; p. 1292.
- Flag-holder. S. A. Weller. No. 51,325; Oct. 2; v. 243; p. 212.
- Flag or emblem. L. Avisus. No. 51,195; Aug. 28; v. 241; p. 1132.
- Flag, pennant, sign, emblem, or article of a similar nature. R. L. Queisser. No. 51,464; Nov. 6; v. 244; p. 269.
- Flag, sign, badge, or emblem. F. M. Thomas. No. 51,126; Aug. 7; v. 241; p. 279.
- Flat-iron heater. S. Garlick. No. 51,493; Nov. 20; v. 244; p. 797.
- Floor-covering, Herring-bone grass. B. Hudson. No. 50,909; June 12; v. 239; p. 626.
- Flower-bowl and vase, Combined. W. H. Fulper. No. 51,108; Aug. 7; v. 241; p. 275.

Alphabetical list of designs—Continued.

- Flower-holder. A. J. Nash. No. 50,664; Apr. 24; v. 237; p. 1201.
- Flower-holder and dress-protector, Combination. G. C. Kane. No. 51,305; Sept. 25; v. 242; p. 975.
- Flushing device. H. H. Gove. No. 50,683; May 1; v. 238; p. 279.
- Fly-trap. I. Wlajko. No. 51,518; Nov. 20; v. 244; p. 802.
- Fly-wheel or similar device. C. L. McCuen. No. 51,236; Sept. 4; v. 242; p. 234.
- Fob. W. Thiede. No. 50,824; May 22; v. 238; p. 1310.
- Font, Holy-water. G. R. Bailey. No. 50,708; May 8; v. 238; p. 613.
- Footstool. J. Zagora. No. 51,262; Sept. 11; v. 242; p. 493.
- Forceps, Pair of. W. M. Shetler. No. 50,879; June 5; v. 239; p. 291.
- Fork. M. H. Lebolt. No. 51,208; Aug. 28; v. 241; p. 1134.
- Fork. A. J. Rowland. No. 50,284; Feb. 6; v. 235; p. 804.
- Fork or similar article, Handle for a. G. E. Curtiss. No. 50,870; June 5; v. 239; p. 289.
- Forks and similar articles. Handle for. G. E. Curtiss. No. 51,312; Oct. 2; v. 243; p. 210.
- Fountains, Bubbling-head for drinking-. H. W. Taylor. No. 51,563; Dec. 11; v. 245; p. 531.
- Frame-block. J. E. Rosenfeld. No. 51,215; Aug. 28; v. 241; p. 1135.
- Furniture, Panel for wood. P. Cerone. No. 50,566; Apr. 10; v. 237; p. 595.
- Furniture, Panel for wood. P. Cerone. No. 50,774; May 15; v. 238; p. 954.
- Furniture, Paneled portion of articles of. C. P. McDougall. No. 50,456; Mar. 13; v. 236; p. 578.
- Fuse-plug cap. G. B. Thomas. No. 50,366; Feb. 20; v. 235; p. 1028.
- Gage-casing. L. A. Mapel. No. 51,285; Sept. 18; v. 242; p. 728.
- Game-board. M. G. Clark. No. 50,339; Feb. 20; v. 235; p. 1023.
- Game-board. T. B. Gordon. No. 51,203; Aug. 28; v. 241; p. 1133.
- Game-board. N. W. Hill. No. 51,416; Oct. 23; v. 243; p. 1045.
- Game-board. W. W. Plimpton. No. 50,403; Feb. 27; v. 235; p. 1332.
- Game-board. C. O. Stone. No. 51,516; Nov. 20; v. 244; p. 801.
- Game-board. W. G. Young. Nos. 51,623-4; Dec. 18; v. 245; p. 820.
- Game-board or similar article. H. Cady. No. 50,235; Jan. 30; v. 234; p. 1553.
- Game hexagonal board. E. Maass. No. 51,599; Dec. 18; v. 245; p. 816.
- Game-indicator case. F. T. Ellithorpe. No. 51,587; Dec. 18; v. 245; p. 813.
- Garment, Child's outer. E. T. Hincks. No. 51,303; Sept. 25; v. 242; p. 974.
- Garment for ladies. R. J. Hickson. Nos. 50,574-8; Apr. 10; v. 237; pp. 596-7.
- Garment for women. B. H. Holley. No. 50,622; Apr. 17; v. 237; p. 898.
- Gas and electric fixture. G. Westphal. No. 51,160; Aug. 14; v. 241; p. 597.
- Gas and electric fixtures, Canopy for. B. Schwartzman. No. 50,634; Apr. 17; v. 237; p. 901.
- Gas and electric fixtures, Shower-plate for. S. Shapiro. No. 50,287; Feb. 6; v. 235; p. 304.
- Gas-heater grill. D. H. McCorkle. No. 50,790; May 15; v. 238; p. 957.
- Gate. H. T. Lindeberg. No. 51,500; Nov. 20; v. 244; p. 798.
- Gear-wheel. W. S. Harley. No. 50,129; Jan. 2; v. 234; p. 347.
- Gem-setting. D. Greenberg. No. 50,128; Jan. 2; v. 234; p. 347.
- Glass article. F. L. Andrews. No. 50,334; Feb. 20; v. 235; p. 1022.
- Glass article. F. L. Andrews. Nos. 50,458-9; Mar. 20; v. 236; p. 869.
- Glass article. E. M. Bottome. No. 50,336; Feb. 20; v. 235; p. 1022.
- Glass article. R. Haley. Nos. 50,348-50; Feb. 20; v. 235; pp. 1024-5.
- Glass article. D. F. Provance. Nos. 50,357-9; Feb. 20; v. 235; p. 1026.
- Glass article. H. Richman. Nos. 51,028-30; July 10; v. 240; pp. 620-1.
- Glass article. M. A. Smith. No. 50,221; Jan. 23; v. 234; p. 1290.
- Glass article. M. A. Smith. No. 50,590; Apr. 10; v. 237; p. 599.
- Glass article. C. L. Sullivan. No. 50,365; Feb. 20; v. 235; p. 1028.
- Glass article, Light-transmitting. W. J. Fensterer. No. 50,506; Mar. 27; v. 236; p. 1191.
- Glass bowl. M. A. Smith. No. 50,960; June 19; v. 239; p. 917.
- Glass dish or similar article. R. Haley. No. 50,194; Jan. 16; v. 234; p. 1031.
- Glass plate. J. E. Miller. No. 50,401; Feb. 27; v. 235; p. 1331.
- Glass plate or similar article. F. F. Cary. No. 50,463; Mar. 20; v. 236; p. 870.
- Glass plate or similar article. F. F. Cary. Nos. 50,550-1; Apr. 3; v. 237; p. 287.
- Glass plate or similar article. R. Haley. No. 50,195; Jan. 16; v. 234; p. 1031.
- Glass plate or similar article, Cut-. H. Richman. No. 51,080; July 24; v. 240; p. 1147.
- Glass, Prism-. E. G. Johanson. No. 50,420; Mar. 6; v. 236; p. 255.
- Glass receptacle. A. Wiczian. No. 50,369; Feb. 20; v. 235; p. 1028.
- Glass vessel. T. C. Heisey. No. 50,351; Feb. 20; v. 235; p. 1025.
- Glass vessel. J. E. Miller. Nos. 50,396-400; Feb. 27; v. 235; pp. 1330-1.
- Glass vessel. M. A. Smith. No. 50,591; Apr. 10; v. 237; p. 599.
- Glass vessel or similar article. T. A. Shanley. No. 50,959; June 19; v. 239; p. 916.
- Glazing-bar. J. T. Hutchinson and V. Shaw. No. 51,484; Nov. 13; v. 244; p. 541.
- Globe. J. W. Gosling. No. 51,064; July 24; v. 240; p. 1145.
- Globe. E. H. Peck. No. 50,208; Jan. 16; v. 234; p. 1034.
- Goblet. W. E. Hunter. No. 50,687; May 1; v. 238; p. 280.
- Goblet. W. E. Hunter. No. 50,751; May 8; v. 238; p. 623.
- Goblet. W. E. Hunter. No. 50,812; May 22; v. 238; p. 1308.
- Goblet. J. E. Miller. No. 50,402; Feb. 27; v. 235; p. 1331.
- Goblet or similar article. W. E. Hunter. No. 50,786; May 15; v. 238; p. 956.
- Goblet or similar article. H. T. Thomas. No. 51,003; July 3; v. 240; p. 314.
- Golf-ball. J. P. Cochrane. No. 50,553; Apr. 3; v. 237; p. 287.
- Golf-ball. J. P. Cochrane. No. 50,883; June 5; v. 239; p. 292.
- Golf-ball. A. Johnston. No. 50,512; Mar. 27; v. 236; p. 1192.
- Grave-marker. G. F. Aichele. No. 50,457; Mar. 20; v. 236; p. 869.
- Gromet. E. B. Stimpson. Nos. 50,432-5; Mar. 6; v. 236; pp. 257-8.
- Gum, Packet of. B. C. Budd. No. 51,133; Aug. 14; v. 241; p. 592.
- Hair-pin. H. F. Alexis. No. 51,625; Dec. 25; v. 245; p. 1006.
- Hair-pin. S. E. Creech and P. Bland. No. 50,981; July 3; v. 240; p. 309.
- Hammer-head. J. H. Hildebrandt. No. 50,556; Apr. 3; v. 237; p. 288.
- Hammer-head. J. J. Sprenger and L. Sorensen. No. 50,407; Feb. 27; v. 235; p. 1332.
- Hand-bag. E. M. Summers. No. 51,351; Oct. 9; v. 243; p. 502.
- Hat-band. G. Kremer. No. 50,136; Jan. 2; v. 234; p. 349.
- Hat-holder. M. F. Ma Loney. No. 51,018; July 10; v. 240; p. 618.
- Headlight, Automobile-. J. G. Hawley and C. R. Dosch. No. 51,430; Oct. 23; v. 243; p. 1048.
- Headlight-casing. J. E. Kilker and C. W. Dake. No. 50,623; Apr. 17; v. 237; p. 898.
- Headlight-lens. H. D. Cohen. No. 50,682; May 1; v. 238; p. 279.
- Headlight-lens. C. M. Wible. No. 50,962; June 19; v. 239; p. 917.
- Headlight-lens. C. Woodbury. No. 51,274; Sept. 11; v. 242; p. 495.
- Headlight-lens for automobile and other vehicles. A. E. Long. No. 51,527; Nov. 27; v. 244; p. 1067.
- Headlight-lens for automobiles and other vehicles. H. Long. No. 51,598; Dec. 18; v. 245; p. 816.
- Headlights, Glass for. P. Ebeling. No. 50,938; June 19; v. 239; p. 913.
- Heater casing, Electric. E. N. Brown. No. 51,043; July 17; v. 240; p. 913.
- Heater casing, Electric. E. N. Brown. No. 51,328; Oct. 9; v. 243; p. 497.
- Heel-tip. E. S. Helwitz. No. 51,592; Dec. 18; v. 245; p. 814.
- Hinge, Door-. O. C. Rixson. No. 50,978; June 26; v. 239; p. 1190.
- Hog-holder. T. B. Dwyer. No. 50,614; Apr. 17; v. 237; p. 897.
- Hook. J. B. Baxter. No. 50,177; Jan. 16; v. 234; p. 1027.
- Hook, Combined hat and clothes. W. G. Fawcett. No. 50,217; Jan. 23; v. 234; p. 1289.
- Horn. C. T. Lamont. No. 50,753; May 8; v. 238; p. 624.
- Horn. C. T. Lamont. No. 51,181; Aug. 21; v. 241; p. 892.
- Humidifier. E. B. Beeler. No. 51,296; Sept. 25; v. 242; p. 973.
- Ice-cream-cone holder. E. E. Kelley. No. 50,276; Feb. 6; v. 235; p. 302.
- Ice-cream shovel. J. M. Didero. No. 51,586; Dec. 18; v. 245; p. 813.
- Ignition devices, Distributer-block for. C. T. Mason. No. 51,183; Aug. 21; v. 241; p. 892.
- Ignition devices, Distributer-block for. C. T. Mason. No. 51,442; Oct. 30; v. 243; p. 1292.

- Illuminating-globe. K. Booth. Nos. 50,603-4; Apr. 17; v. 237; p. 895.
- Image of doll. J. P. Dunne. No. 50,185; Jan. 16; v. 234; p. 1029.
- Indicating hand or pointer. F. B. Woodman. No. 50,212; Jan. 16; v. 234; p. 1034.
- Indicator. A. C. Carruthers. No. 51,582; Dec. 18; v. 245; p. 813.
- Ink-well and pen-rack, Combined. F. L. Borland. No. 51,408; Oct. 23; v. 243; p. 1043.
- Inkstand. C. F. Kimpton. Nos. 50,526-9; Mar. 27; v. 236; pp. 1194-5.
- Inkstand. J. T. Riley. No. 51,153; Aug. 14; v. 241; p. 595.
- Inkstand. F. A. Weeks. Nos. 51,190-1; Aug. 21; v. 241; p. 893.
- Inkstand. F. Yokel. No. 50,439; Mar. 6; v. 236; p. 259.
- Insect-trap. J. Czerna. No. 50,904; June 12; v. 239; p. 625.
- Insignia, button, pin, fob, box-top, paper-weight, or similar article. J. F. Hanbury. No. 50,620; Apr. 17; v. 237; p. 898.
- Insignia, emblem, badge, or button. C. H. Doke, H. E. Berry, D. H. and C. A. Delzell. No. 50,935; June 19; v. 239; p. 912.
- Internal-combustion engine. A. Y. Edwards. No. 51,524; Nov. 27; v. 244; p. 1067.
- Jar-ring. R. Beynon. No. 51,579; Dec. 18; v. 245; p. 812.
- Jar-ring. C. W. Joslin. No. 50,389; Feb. 27; v. 235; p. 1329.
- Jardinière. H. W. Bennett. No. 51,626; Dec. 25; v. 245; p. 1006.
- Jewel-mounting link. P. Reiter. No. 51,187; Aug. 21; v. 241; p. 893.
- Kettle-spout. C. Lund. No. 50,625; Apr. 17; v. 237; p. 899.
- Kettle, Tea-. W. Luttringhaus. Nos. 51,144-6; Aug. 14; v. 241; pp. 593-4.
- Key. K. W. Brown. No. 50,801; May 15; v. 238; p. 959.
- Key. W. M. Vance. No. 51,619; Dec. 18; v. 245; p. 819.
- Kitchen-rack. G. H. Reimer. No. 51,425; Oct. 23; v. 243; p. 1047.
- Kite. W. A. Collins. No. 50,124; Jan. 2; v. 234; p. 346.
- Knife. N. Wasylw. No. 51,051; July 17; v. 240; p. 915.
- Knob for signal-bells. A. T. Poehmann. No. 50,665; Apr. 24; v. 237; p. 1201.
- Knob, Porcelain door-. C. L. Heizmann. No. 51,333; Oct. 9; v. 243; p. 498.
- Label. G. S. Hurst. No. 50,892; June 5; v. 239; p. 293.
- Label. A. M. Sweyd. No. 51,426; Oct. 23; v. 243; p. 1047.
- Lace. A. R. Koch. Nos. 51,265-6; Sept. 11; v. 242; pp. 493-4.
- Lace. A. R. Koch. No. 51,441; Oct. 30; v. 243; p. 1292.
- Lace. I. P. Rieger. Nos. 50,895-7; June 5; v. 239; p. 294.
- Lace. C. J. Watters. No. 50,927; June 12; v. 239; p. 630.
- Lace, Embroidered. H. Schwarber. Nos. 50,325-6; Feb. 13; v. 235; p. 671.
- Lace, Embroidered. H. Schwarber. Nos. 51,101-2; July 31; v. 240; p. 1435.
- Lace, Embroidered. H. Schwarber. No. 51,287; Sept. 18; v. 242; p. 729.
- Lace, Embroidered. H. Schwarber. Nos. 51,513-15; Nov. 20; v. 244; p. 801.
- Lace, Filet-. E. Zullig. No. 51,450; Oct. 30; v. 243; p. 1293.
- Lace, Filet-. E. Zullig. Nos. 51,565-7; Dec. 11; v. 245; pp. 531-2.
- Lace panel. C. J. Watters. No. 51,310; Sept. 25; v. 242; p. 975.
- Lace paper. C. W. Hamilton. No. 50,301; Feb. 13; v. 235; p. 666.
- Lace trimming. M. N. Aaron. No. 50,898; June 12; v. 239; p. 624.
- Lace trimming. C. Strickhouser. No. 51,562; Dec. 11; v. 245; p. 531.
- Lamp. G. W. Cassidy. No. 51,255; Sept. 11; v. 242; p. 491.
- Lamp. D. H. Elkins. Nos. 50,241-2; Jan. 30; v. 234; p. 1555.
- Lamp. C. E. Godley. No. 51,457; Nov. 6; v. 244; p. 268.
- Lamp. D. D. King. No. 51,143; Aug. 14; v. 241; p. 593.
- Lamp. C. E. Smith. No. 51,244; Sept. 4; v. 242; p. 235.
- Lamp and inkstand, Combined desk-. F. Yokel. No. 50,440; Mar. 6; v. 236; p. 259.
- Lamp, Automobile-. J. W. Brown, Jr., and L. McCullough. No. 50,184; Jan. 16; v. 234; p. 1029.
- Lamp, Automobile-. D. H. Elkins. No. 50,833; May 29; v. 238; p. 1612.
- Lamp and sign post and casing for dispensing mechanism or similar article, Combined. S. D. Black and A. G. Decker. No. 51,453; Nov. 6; v. 244; p. 267.
- Lamp base and standard. W. G. West and R. S. Foster. No. 50,587; May 29; v. 238; p. 1617.
- Lamp, Bicycle-. P. E. Gilling. No. 51,138; Aug. 14; v. 241; p. 592.
- Lamp-casing. J. L. Dawes. No. 50,239; Jan. 30; v. 234; p. 1554.
- Lamp-casing. J. L. Dawes. Nos. 50,905-6; June 12; v. 239; p. 625.
- Lamp-casing, Non-glare. W. C. Paul. Nos. 50,758-9; May 8; v. 238; p. 625.
- Lamp, Cluster-. R. M. Retherford. No. 51,124; Aug. 7; v. 241; p. 279.
- Lamp, Desk-. R. M. Retherford. Nos. 51,026-7; July 10; v. 240; p. 620.
- Lamp-door. W. F. Anklaam. Nos. 50,862-3; June 5; v. 239; p. 287.
- Lamp-door. R. A. Francis. Nos. 51,480-2; Nov. 13; v. 244; pp. 540-1.
- Lamp door, Automobile-. D. H. Elkins. Nos. 51,478-9; Nov. 13; v. 244; p. 540.
- Lamp-globe. J. W. Gosling. No. 50,192; Jan. 16; v. 234; p. 1031.
- Lamp-globe. S. G. Hibben. No. 51,497; Nov. 20; v. 244; p. 798.
- Lamp globe or casing. J. L. Dawes. No. 51,477; Nov. 13; v. 244; p. 539.
- Lamp-lens. J. G. Dahl. No. 51,585; Dec. 18; v. 245; p. 813.
- Lamp-lens. H. C. Forster. No. 51,279; Sept. 18; v. 242; p. 727.
- Lamp-lens. E. J. Smith and H. W. Atkinson. No. 50,932; June 12; v. 239; p. 629.
- Lamp or similar article, Hanging. A. Wahle. No. 51,401; Oct. 16; v. 243; p. 776.
- Lamp or similar article, Standard for a. E. Kopriwa. Nos. 51,283-4; Sept. 18; v. 242; p. 728.
- Lamp, Portable. S. Braunstein. No. 51,197; Aug. 28; v. 241; p. 1132.
- Lamp, Portable. J. F. Robb and L. W. Young. No. 51,269; Sept. 11; v. 242; p. 494.
- Lamp, Portable electric. T. D. Finizio. No. 50,189; Jan. 16; v. 234; p. 1030.
- Lamp-shade. L. Schoenmehl. No. 51,082; July 24; v. 240; p. 1148.
- Lamp-shade. F. Yokel. No. 50,809; May 22; v. 238; p. 1308.
- Lamp-shade for an incandescent light. J. A. Whaley. No. 51,161; Aug. 14; v. 241; p. 597.
- Lamp shade, globe, or reflector, Ornamental. H. D. McFaddin. No. 51,530; Nov. 27; v. 244; p. 1068.
- Lamp-stand. L. Angiulli. No. 50,929; June 19; v. 239; p. 911.
- Lamp-stand. F. K. Maerz. No. 50,874; June 5; v. 239; p. 290.
- Lamp-standard and desk article, Combined. F. Yokel. No. 50,438; Mar. 6; v. 236; p. 258.
- Lamp unit, Nitrogen-. H. Pickhardt. No. 50,427; Mar. 6; v. 236; p. 256.
- Lamp, Vehicle-. G. Williams. No. 50,770; May 8; v. 238; p. 627.
- Lamp with mirror-scope, Vehicle-. E. A. Hawthorne. No. 50,200; Jan. 16; v. 234; p. 1032.
- Lamps, Lens for motor-car. L. B. Martin. No. 50,559; Apr. 3; v. 237; p. 288.
- Lantern, Portable electric. W. Grether. No. 51,175; Aug. 21; v. 241; p. 891.
- Latch. D. Guca. No. 51,140; Aug. 14; v. 241; p. 593.
- Latch and scutcheon. J. F. White. No. 51,449; Oct. 30; v. 243; p. 1293.
- Laundry-bag. P. J. Eisemann. No. 50,469; Mar. 20; v. 236; p. 871.
- Lavalière. J. Gylywaichuk. No. 51,232; Sept. 4; v. 242; p. 233.
- Lavalière. H. Von Hartz. No. 51,483; Nov. 13; v. 244; p. 541.
- Lens. A. and C. Matisse. No. 51,000; July 3; v. 240; p. 313.
- Lens, Headlight-. E. G. Johanson. No. 50,511; Mar. 27; v. 236; p. 1192.
- Lens, Illuminating-. E. A. Gillinder. No. 51,412; Oct. 23; v. 243; p. 1044.
- Letters and numerals for signs, Set of. C. A. Divine. No. 51,259; Sept. 11; v. 242; p. 492.
- Levels, Cross-bar for architects'. R. W. Martin. No. 50,584; Apr. 10; v. 237; p. 598.
- Light-bowl. C. B. Ott. No. 50,955; June 19; v. 239; p. 916.
- Light-fixture. W. Polacheck. Nos. 50,247-8; Jan. 30; v. 234; p. 1556.
- Light-fixture. S. Tepfer. No. 50,636; Apr. 17; v. 237; p. 901.
- Light-fixture. F. A. Vaughn. No. 51,085; July 24; v. 240; p. 1149.
- Light-globe. F. Barbiers. No. 50,564; Apr. 10; v. 237; p. 594.
- Light-globe. F. S. Barbiers. No. 51,130; Aug. 14; v. 241; p. 591.
- Light-reflecting bowls, Candle-arm for. C. E. Jones. No. 50,515; Mar. 27; v. 236; p. 1193.
- Light-reflecting bowls, Clamp and candle-arm for. C. E. Jones. No. 50,521; Mar. 27; v. 236; p. 1194.
- Light-reflecting bowls, Clamp for. C. E. Jones. Nos. 50,513-14; Mar. 27; v. 236; p. 1192.
- Light-reflecting bowls, Clamp for. C. E. Jones. Nos. 50,694-5; May 1; v. 238; p. 281.
- Light-reflecting bowls, Clamp for. C. E. Jones. Nos. 50,813-14; May 22; v. 238; p. 1308.
- Light-reflecting bowls, Gravity-clamp for. C. E. Jones. No. 50,689; May 1; v. 238; p. 280.
- Light-reflecting bowls, Hanger for. C. E. Jones. Nos. 50,522-3; Mar. 27; v. 236; p. 1194.
- Light-reflecting bowls, Hanger-hook for. W. R. Kahns. No. 50,525; Mar. 27; v. 236; p. 1194.

Alphabetical list of designs—Continued.

- Light-reflecting bowls, Rosette-clamp for. C. E. Jones. No. 50,690; May 1; v. 238; p. 280.
- Light-reflecting bowls, Scroll-clamp for. C. E. Jones. No. 50,696; May 1; v. 238; p. 281.
- Light-reflector. A. H. Gollings. No. 50,982; July 3; v. 240; p. 310.
- Light-screen. F. H. Brinckerhoff. No. 50,183; Jan. 16; v. 234; p. 1029.
- Light-shade. A. C. Wilcox. No. 51,162; Aug. 14; v. 241; p. 597.
- Light shade, Artificial. H. Plaut. Nos. 51,150-2; Aug. 14; v. 241; pp. 594-5.
- Light standard, Street. I. T. Frary. No. 50,716; May 8; v. 238; p. 615.
- Light-transmitting-bowl hanger. E. L. White. No. 51,272; Sept. 11; v. 242; p. 495.
- Light-transmitting-bowl hanger. E. L. White. No. 51,517; Nov. 20; v. 244; p. 801.
- Lighting-fixture. H. C. Adam. Nos. 50,860-1; June 5; v. 239; p. 287.
- Lighting-fixture. H. C. Adam. No. 51,294; Sept. 25; v. 242; p. 972.
- Lighting-fixture. H. C. Adam. No. 51,326; Oct. 9; v. 243; p. 497.
- Lighting-fixture. H. C. Adam. No. 51,361; Oct. 10; v. 243; p. 768.
- Lighting-fixture. H. C. Adam. Nos. 51,473-4; Nov. 13; v. 244; p. 539.
- Lighting-fixture. F. C. Baker. No. 50,865; June 5; v. 239; p. 288.
- Lighting-fixture. R. Y. Barrows and G. V. Strahan. Nos. 50,154-6; Jan. 16; v. 234; p. 1023.
- Lighting-fixture. R. Y. Barrows and G. V. Strahan. Nos. 50,160-8; Jan. 16; v. 234; pp. 1024-5.
- Lighting-fixture. R. Y. Barrows and G. V. Strahan. No. 50,263; Feb. 6; v. 235; p. 299.
- Lighting-fixture. R. Y. Barrows and G. V. Strahan. No. 50,335; Feb. 20; v. 235; p. 1022.
- Lighting-fixture. R. Y. Barrows and G. V. Strahan. Nos. 50,503-4; Mar. 27; v. 236; p. 1191.
- Lighting-fixture. R. Y. Barrows and G. V. Strahan. Nos. 51,169-70; Aug. 21; v. 241; p. 890.
- Lighting-fixture. R. Y. Barrows and G. V. Strahan. No. 51,131; Aug. 14; v. 241; p. 591.
- Lighting-fixture. D. L. Bean. No. 51,363; Oct. 16; v. 243; p. 769.
- Lighting-fixture. J. Doyle. No. 51,227; Sept. 4; v. 242; p. 232.
- Lighting-fixture. O. D. Guth. No. 50,193; Jan. 16; v. 234; p. 1031.
- Lighting-fixture. E. F. Guth. Nos. 50,684-5; May 1; v. 238; p. 279.
- Lighting-fixture. F. K. Maerz. Nos. 50,997-9; July 3; v. 240; p. 313.
- Lighting-fixture. O. H. Mohr. Nos. 51,021-2; July 10; v. 240; p. 619.
- Lighting-fixture. P. Mohrmann. Nos. 50,532-3; Mar. 27; v. 236; p. 1196.
- Lighting-fixture. P. Mohrmann. Nos. 51,044-5; July 17; v. 240; pp. 913-14.
- Lighting-fixture. W. S. Snow. No. 51,188; Aug. 21; v. 241; p. 893.
- Lighting-fixture. L. R. Wellman. No. 50,539; Mar. 27; v. 236; p. 1197.
- Lighting-fixture. L. R. Wellman. Nos. 50,541-2; Mar. 27; v. 236; p. 1197-8.
- Lighting-fixture. L. R. Wellman. No. 51,053; July 17; v. 240; p. 915.
- Lighting-fixture arm. R. Y. Barrows and G. V. Strahan. No. 50,159; Jan. 16; v. 234; p. 1024.
- Lighting-fixture arm. R. Y. Barrows and G. V. Strahan. No. 50,172; Jan. 16; v. 234; p. 1026.
- Lighting-fixture arm. R. Y. Barrows and G. V. Strahan. No. 50,496; Mar. 27; v. 236; p. 1189.
- Lighting-fixture arm. R. Y. Barrows and G. V. Strahan. No. 50,499; Mar. 27; v. 236; p. 1190.
- Lighting-fixture arm. R. Y. Barrows and G. V. Strahan. No. 50,675; May 1; v. 238; p. 278.
- Lighting-fixture arm. R. Y. Barrows and G. V. Strahan. No. 50,679; May 1; v. 238; p. 278.
- Lighting-fixture arm. R. Y. Barrows and G. V. Strahan. No. 51,171; Aug. 21; v. 241; p. 890.
- Lighting-fixture arm. F. S. Crowell. No. 50,869; June 5; v. 239; p. 289.
- Lighting-fixture arm. F. S. Crowell. Nos. 51,256-7; Sept. 11; v. 242; p. 492.
- Lighting-fixture arm. C. Werner. Nos. 51,292-3; Sept. 18; v. 242; p. 730.
- Lighting-fixture arm-pan. R. Y. Barrows and G. V. Strahan. No. 50,600; Apr. 17; v. 237; p. 894.
- Lighting-fixture bowl. H. C. Adam. No. 51,520; Nov. 27; v. 244; p. 1066.
- Lighting-fixture bowl. R. Y. Barrows and G. V. Strahan. No. 50,117; Jan. 2; v. 234; p. 345.
- Lighting-fixture bracket. L. R. Wellman. No. 50,540; Mar. 27; v. 236; p. 1197.
- Lighting-fixture bracket-arm. C. E. Jones. No. 50,698; May 1; v. 238; p. 281.
- Lighting-fixture bracket-back. F. S. Crowell. No. 51,258; Sept. 11; v. 242; p. 492.
- Lighting-fixture bracket-back. P. Mohrmann. No. 50,207; Jan. 16; v. 234; p. 1033.
- Lighting-fixture bracket-back. P. Mohrmann. No. 50,531; Mar. 27; v. 236; p. 1196.
- Lighting-fixture canopy. R. Y. Barrows and G. V. Strahan. No. 50,157; Jan. 16; v. 234; p. 1023.
- Lighting-fixture canopy. G. Y. Barrows and G. V. Strahan. No. 50,175; Jan. 16; v. 234; p. 1027.
- Lighting-fixture canopy, hanger, and pan. R. C. Wagner and E. J. Schweitzer. No. 50,211; Jan. 16; v. 234; p. 1034.
- Lighting-fixture ceiling-plate. R. Y. Barrows and G. V. Strahan. No. 50,502; Mar. 27; v. 236; p. 1191.
- Lighting fixture, Electric. R. W. Bayley. Nos. 50,178-9; Jan. 16; v. 234; p. 1028.
- Lighting-fixture glass bowl. F. S. Crowell. No. 50,868; June 5; v. 239; p. 288.
- Lighting-fixture glass bowl. A. W. Reiser. No. 50,876; June 5; v. 239; p. 290.
- Lighting-fixture hanger. R. Y. Barrows and G. V. Strahan. Nos. 50,500-1; Mar. 27; v. 236; p. 1190.
- Lighting-fixture, Ornamental. R. Y. Owen. Nos. 51,077-8; July 24; v. 240; p. 1147.
- Lighting-fixture plate. L. R. Wellman. No. 51,404; Oct. 16; v. 243; p. 776.
- Lighting-fixture spindle. R. Y. Barrows and G. V. Strahan. No. 51,167; Aug. 21; v. 241; p. 889.
- Lighting-fixture wall-bracket. R. Y. Barrows and G. V. Strahan. No. 50,867; June 5; v. 239; p. 288.
- Lighting-fixture wall-plate. R. Y. Barrows and G. V. Strahan. Nos. 50,497-8; Mar. 27; v. 236; pp. 1189-90.
- Lighting-fixture wall-plate. R. Y. Barrows and G. V. Strahan. No. 51,166; Aug. 21; v. 241; p. 889.
- Lighting-fixture wall-plate. R. Y. Barrows and G. V. Strahan. No. 51,168; Aug. 21; v. 241; p. 889.
- Lighting-fixture, Candle-cup for. W. R. Kahns. No. 50,524; Mar. 27; v. 236; p. 1194.
- Lighting-fixture, Ceiling-canopy for. R. Y. Barrows and G. V. Strahan. No. 50,493; Mar. 27; v. 236; p. 1189.
- Lighting-fixture, Extension-bracket for. C. E. Jones. No. 50,692; May 1; v. 238; p. 280.
- Lighting-fixture, Husk for. C. E. Jones. No. 51,382; Oct. 16; v. 243; p. 772.
- Lighting-fixture, Loop for. R. Y. Barrows and G. V. Strahan. No. 50,494; Mar. 27; v. 236; p. 1189.
- Lighting-fixture, Socket-cover for. R. Y. Barrows and G. V. Strahan. No. 50,158; Jan. 16; v. 234; p. 1023.
- Lighting-fixture, Socket-cover for. R. Y. Barrows and G. V. Strahan. No. 50,176; Jan. 16; v. 234; p. 1027.
- Lighting-fixture, Spindle for. R. Y. Barrows and G. V. Strahan. No. 50,495; Mar. 27; v. 236; p. 1189.
- Lighting-fixture, Wall-plate for. R. Y. Barrows and G. V. Strahan. No. 50,264; Feb. 6; v. 235; p. 300.
- Lighting-fixture, Wall-plate for. R. Y. Barrows and G. V. Strahan. Nos. 50,676-8; May 1; v. 238; p. 278.
- Lighting-fixture, Wall-plate for. R. Y. Barrows and G. V. Strahan. No. 50,680; May 1; v. 238; p. 278.
- Lighting-fixture, Wall-plate for. R. Y. Barrows and G. V. Strahan. No. 50,709; May 8; v. 238; p. 614.
- Lighting-fixture, Wall-plate for. R. Y. Barrows and G. V. Strahan. Nos. 50,805-6; May 22; v. 238; p. 1307.
- Linoleum, oil-cloth, or floor-covering. H. Humphreys. Nos. 50,780-2; May 15; v. 238; p. 955.
- Linoleum, oil-cloth, or floor-covering. C. F. Humphreys. Nos. 50,783-5; May 15; v. 238; p. 956.
- Lighting-post. F. L. Bulla. No. 51,221; Sept. 4; v. 242; p. 231.
- Lighting-standard and lamp. H. A. Landwehr. No. 50,530; Mar. 27; v. 236; p. 1195.
- Liquid-flask. H. V. Clausen. No. 51,136; Aug. 14; v. 241; p. 592.
- Loaf of biscuit. A. F. Ward. Nos. 50,925-6; June 12; v. 239; pp. 629-30.
- Lock. J. Buchek. No. 50,773; May 15; v. 238; p. 954.
- Lock-casing. S. Segal. No. 50,286; Feb. 6; v. 235; p. 304.
- Lock-casing and handle. A. H. Ehrlich. No. 50,376; Feb. 27; v. 235; p. 1326.
- Magneto-bracket. W. H. Butterfield. No. 50,338; Feb. 20; v. 235; p. 1022.
- Mandolin. W. T. Vaughn. No. 50,545; Mar. 27; v. 236; p. 1198.
- Manicuring-set case. J. Waehner. No. 50,855; May 29; v. 238; p. 1617.
- Match-lighter and pincushion, Combination. K. B. Creel. No. 51,549; Dec. 11; v. 245; p. 529.
- Measuring-machines or the like, Casing for. J. C. Gebhart. No. 50,908; June 12; v. 239; p. 626.
- Meter-casing. E. L. Towle. No. 51,156; Aug. 14; v. 241; p. 596.
- Mirror and similar article, Hand. F. Kaupmann. No. 51,458; Nov. 6; v. 244; p. 268.
- Mirror-bracket arm. M. S. Rosen. No. 50,250; Jan. 30; v. 234; p. 1556.
- Mirror-scope. E. A. Hawthorne. No. 51,556; Dec. 11; v. 245; p. 530.
- Mitten. E. T. Hincks. No. 50,445; Mar. 13; v. 236; p. 576.
- Moistener for an envelop, postage-stamp, or similar article. M. F. Bishop. No. 51,436; Oct. 30; v. 243; p. 1291.
- Moistener for envelops and other articles. C. F. Klampton. No. 50,309; Feb. 13; v. 235; p. 668.
- Mortar. F. L. Grier. No. 50,471; Mar. 20; v. 236; p. 871.
- Motor, Frame for a portable electric. M. H. Spielman. No. 51,103; July 31; v. 240; p. 1436.

- Mud-guard and splash attachment, Curved drop-side. W. R. Green. No. 50,345; Feb. 20; v. 235; p. 1024.
- Mud-guard and splash attachment, Drop-side. W. R. Green. No. 50,346; Feb. 20; v. 235; p. 1024.
- Music-cabinet. W. A. French. Nos. 50,966-71; June 26; v. 239; pp. 1188-9.
- Musical instrument. A. J. Reams, Jr., and L. A. Williams. No. 51,025; July 10; v. 240; p. 620.
- Name-plate. S. T. Payne and J. P. Tarbox. No. 50,585; Apr. 10; v. 237; p. 598.
- Nappy. A. J. Sanford. No. 50,666; Apr. 24; v. 237; p. 1202.
- Necktie. B. H. Kunkel. No. 50,752; May 8; v. 238; p. 623.
- Nutcracker. R. C. Abt. No. 50,899; June 12; v. 239; p. 624.
- Oil-heater. F. Yokel. No. 51,622; Dec. 18; v. 245; p. 820.
- Oven, Warming-. H. Nordman. No. 50,627; Apr. 17; v. 237; p. 899.
- Overflow and waste fixture. H. F. Goetz. Nos. 51,062-3; July 24; v. 240; p. 1144.
- Paper, Border for wall-. E. Ericson and R. Weiss. No. 50,243; Jan. 30; v. 234; p. 1555.
- Paper border, Wall-. G. M. Fauser. No. 50,216; Jan. 23; v. 234; p. 1289.
- Paper border, Wall-. G. M. Fauser. No. 51,106; Aug. 7; v. 241; p. 275.
- Paper-clip. W. F. Peet. No. 50,283; Feb. 6; v. 235; p. 303.
- Paper doily. F. Conrad. No. 51,137; Aug. 14; v. 241; p. 592.
- Paper doily. F. Conrad. No. 51,223; Sept. 4; v. 242; p. 232.
- Paper doily. C. W. Hamilton. Nos. 50,196-9; Jan. 16; v. 234; pp. 1031-2.
- Paper fastener or clip, Metal. H. A. Grammes. No. 51,263; Sept. 11; v. 242; p. 493.
- Paper, Lace. C. W. Hamilton. Nos. 50,571-2; Apr. 10; v. 237; pp. 595-6.
- Paper or similar article of manufacture, Wall-. W. H. Norton. No. 51,421; Oct. 23; v. 243; p. 1046.
- Paper sheet or similar article. W. D. Henry. No. 50,886; Feb. 27; v. 235; p. 1328.
- Paper spoon. L. D. Jacoby. No. 50,474; Mar. 20; v. 236; p. 872.
- Paper spoon. L. D. Jacoby. No. 51,597; Dec. 18; v. 245; p. 815.
- Paper, Wall-. C. Becker. No. 50,118; Jan. 2; v. 234; p. 345.
- Paper, Wall-. G. M. Fauser. No. 50,188; Jan. 16; v. 234; p. 1030.
- Paper, Wall-. R. B. Griffin. No. 50,509; Mar. 27; v. 236; p. 1192.
- Paper, Wall-. R. B. Griffin. No. 50,570; Apr. 10; v. 237; p. 595.
- Paper, Wall-. H. McKinnon. No. 50,137; Jan. 2; v. 234; p. 349.
- Paper, Writing or printing. T. N. Gurney. No. 50,415; Mar. 6; v. 236; p. 254.
- Paring, and coring knife, Grape-fruit. J. J. Mendenhall. No. 50,278; Feb. 6; v. 235; p. 302.
- Pedal. A. F. and C. H. Norris. No. 51,238; Sept. 4; v. 242; p. 234.
- Pencils, fountain-pens, or similar articles, Clip for. G. R. and G. E. Westcott. No. 51,564; Dec. 11; v. 245; p. 531.
- Pendant, Cross-heart. W. J. Donnelly. No. 51,201; Aug. 28; v. 241; p. 1133.
- Pennant. C. L. Campbell. No. 50,413; Mar. 6; v. 236; p. 254.
- Pennant. P. T. Reed. No. 51,079; July 24; v. 240; p. 1147.
- Percolator. W. Luttringhaus. No. 51,147; Aug. 14; v. 241; p. 594.
- Percolator. R. H. Wentorf. No. 51,159; Aug. 14; v. 241; p. 596.
- Petticoat. N. R. Vidaver. No. 50,436; Mar. 6; v. 236; p. 258.
- Petticoat. N. R. Vidaver. No. 50,489; Mar. 20; v. 236; p. 875.
- Phonograph-base, Bell-shaped. A. E. Jacob. No. 51,596; Dec. 18; v. 245; p. 815.
- Phonograph-cabinet. J. C. Andresen. No. 51,543; Dec. 11; v. 245; p. 528.
- Phonograph-cabinet. W. J. Baker. No. 50,641; Apr. 17; v. 237; p. 902.
- Phonograph-cabinet. H. C. Moyer. Nos. 50,478-84; Mar. 20; v. 236; pp. 873-4.
- Phonograph-cabinet. A. E. Parnall. No. 51,507; Nov. 20; v. 244; p. 800.
- Phonograph-cabinet. W. C. Pitts. Nos. 50,449-50; Mar. 13; v. 236; p. 577.
- Phonograph-cabinet. H. Sheble. No. 50,210; Jan. 16; v. 234; p. 1034.
- Phonograph-cabinet. H. Sheble. Nos. 50,363-4; Feb. 20; v. 235; p. 1027.
- Phonograph-cabinet. C. A. White. No. 50,544; Mar. 27; v. 236; p. 1198.
- Phonograph-cabinet. E. A. Wildmann. Nos. 50,704-6; May 1; v. 238; pp. 282-3.
- Phonograph-cabinet. J. Wolff. No. 51,007; July 3; v. 240; p. 315.
- Phonograph-cabinet. J. Wolff. Nos. 51,219-20; Aug. 28; v. 241; p. 1186.
- Phonograph turn-table. J. G. Merriam. Nos. 51,603-4; Dec. 18; v. 245; pp. 816-17.
- Phonographs, Stylus for. J. Wolff. Nos. 50,639-40; Apr. 17; v. 237; pp. 901-2.
- Photo-mount, Slip-under. O. Gross. No. 50,443; Mar. 13; v. 236; p. 576.
- Piano. O. J. Youngman. No. 50,707; May 1; v. 238; p. 283.
- Piano-case. G. C. Kavanagh and W. G. Winterbotham. Nos. 51,485-6; Nov. 13; v. 244; p. 541.
- Piano-case. H. J. La Joie. No. 50,277; Feb. 6; v. 235; p. 302.
- Piano-case. W. M. Plaisted. No. 50,794; May 15; v. 238; p. 958.
- Piano-case. W. M. Plaisted. No. 50,796; May 15; v. 238; p. 958.
- Piano case, Player-. W. M. Plaisted. No. 50,795; May 15; v. 238; p. 958.
- Piano case, Player-. W. M. Plaisted. No. 50,797; May 15; v. 238; p. 958.
- Picture apparatus, Casing for motion-. L. Coatsworth. No. 50,145; Jan. 9; v. 234; p. 652.
- Picture-frame. J. Tirpak. No. 50,410; Feb. 27; v. 235; p. 1333.
- Picture-frame. F. Wojkluch. No. 51,034; July 10; v. 240; p. 622.
- Picture-machine-light, Reflector for moving-. E. Shoup. No. 50,142; Jan. 2; v. 234; p. 350.
- Picture or photograph frame. N. Newell. No. 51,286; Sept. 18; v. 242; p. 729.
- Pie-holder. M. Stafford. No. 50,852; May 29; v. 238; p. 1616.
- Pillow-slip. M. Fix. No. 50,836; May 29; v. 238; p. 1613.
- Pillow-slip and pillow. D. G. Marcus. No. 50,583; Apr. 10; v. 237; p. 597.
- Pin. G. H. Dyson. No. 51,228; Sept. 4; v. 242; p. 232.
- Pin. H. R. Loomis. No. 50,950; June 19; v. 239; p. 915.
- Pin, brooch, or similar article for personal wear. F. D. Healy. No. 50,416; Mar. 6; v. 236; p. 254.
- Pin-holder. S. L. Murphy. No. 51,606; Dec. 18; v. 245; p. 817.
- Pin or badge, Recognition. C. H. Howe. No. 51,163; Aug. 14; v. 241; p. 597.
- Pin or button, Campaign. R. O. Richards. No. 51,511; Nov. 20; v. 244; p. 800.
- Pin or similar article. A. T. Howarth. No. 50,659; Apr. 24; v. 237; p. 1200.
- Pin-tray. R. H. Wheelock. No. 50,543; Mar. 27; v. 236; p. 1198.
- Pin-wheel. B. J. McGoveron. No. 51,348; Oct. 9; v. 243; p. 502.
- Pipe, Smoking-. C. E. Hadley. No. 51,332; Oct. 9; v. 243; p. 498.
- Pipe cleaner and tamp and match-striker, Combined. J. W. Overturf. No. 51,422; Oct. 23; v. 243; p. 1046.
- Pistol. C. F. Lefever. No. 50,354; Feb. 20; v. 235; p. 1025.
- Pistol and saber, Combined. S. Przepiorka. No. 50,629; Apr. 17; v. 237; p. 900.
- Pistol and sword hilt, Combined. E. Volcansek. No. 50,979; June 26; v. 239; p. 1190.
- Placard. J. Bushkovski. No. 50,647; Apr. 24; v. 237; p. 1198.
- Plate. G. L. Schupp. No. 50,324; Feb. 13; v. 235; p. 671.
- Plate. J. Torak. No. 50,826; May 22; v. 238; p. 1311.
- Plate or similar article. H. H. Brown. No. 50,337; Feb. 20; v. 235; p. 1022.
- Plate or similar article. W. De Ville. No. 50,240; Jan. 30; v. 234; p. 1555.
- Plate or similar article. S. Dean. No. 50,464; Mar. 20; v. 236; p. 870.
- Plate or similar article. R. Erlebach. No. 50,342; Feb. 20; v. 235; p. 1023.
- Plate or similar article. R. Erlebach. Nos. 50,615-16; Apr. 17; v. 237; p. 897.
- Plate or similar article. R. Gaertner. No. 50,617; Apr. 17; v. 237; p. 897.
- Plate or similar article. A. H. Gerlach. No. 50,886; June 5; v. 239; p. 292.
- Plate or similar article. H. Guenthermann. No. 50,618; Apr. 17; v. 237; p. 898.
- Plate or similar article. C. J. Noke. Nos. 50,423-4; Mar. 6; v. 236; pp. 255-6.
- Plate or similar article. E. Picault. No. 50,486; Mar. 20; v. 236; p. 874.
- Plate or similar article. A. H. Piper. Nos. 50,428-30; Mar. 6; v. 236; pp. 256-7.
- Platter or similar article. G. P. Ittig. No. 50,387; Feb. 27; v. 235; p. 1328.
- Platter, tray, or similar article. G. E. Ball. No. 50,547; Apr. 3; v. 237; p. 286.
- Play-yard, Nursery. A. W. Jansen. No. 50,274; Feb. 6; v. 235; p. 302.
- Plumb-bob. J. A. Moffat. No. 51,420; Oct. 23; v. 243; p. 1045.
- Plumbing-fixture. J. N. Mortimer. No. 50,151; Jan. 9; v. 234; p. 653.
- Poison-marker. A. M. Wilson. No. 50,371; Feb. 20; v. 235; p. 1029.
- Porch-shade. A. C. Hough. No. 50,203; Jan. 16; v. 234; p. 1032.
- Poultry-fountain. A. B. Moe. No. 50,700; May 1; v. 238; p. 282.

Alphabetical list of designs—Continued.

- Powder-box. E. Hoffman. No. 50,973; June 26; v. 239; p. 1189.
- Powder-box. E. Hoffman. No. 51,066; July 24; v. 240; p. 1145.
- Powder-can. V. Vivaudou. No. 51,446; Oct. 30; v. 243; p. 1293.
- Powder-puff. W. Brannan. No. 51,105; Aug. 7; v. 241; p. 274.
- Precious-metal ware, Cut-out border for. C. F. Simms. No. 50,635; Apr. 17; v. 237; p. 901.
- Precious, semiprecious, or synthetic stone or an imitation thereof. S. Heller. No. 50,444; Mar. 13; v. 236; p. 576.
- Priming-cup. J. G. Cross and M. G. Alness. No. 51,224; Sept. 4; v. 242; p. 232.
- Printing apparatus, Casing for. L. M. Todd. No. 51,004; July 3; v. 240; p. 314.
- Protector for articles to be worn on the wrist. S. J. Levi. No. 50,558; Apr. 3; v. 237; p. 288.
- Pump and filter casing. Air. J. T. Janette. No. 50,150; Jan. 9; v. 234; p. 653.
- Pump casing. Air. J. T. Janette. No. 50,149; Jan. 9; v. 234; p. 653.
- Pump casing. Air. C. S. Rauber. No. 51,532; Nov. 27; v. 244; p. 1068.
- Push-button. J. Berg. No. 51,475; Nov. 13; v. 244; p. 539.
- Quilling for draperies, garments, or similar articles. W. R. Fairclough. No. 50,834; May 29; v. 238; p. 1612.
- Quilt. M. L. Nadler. No. 50,954; June 19; v. 239; p. 915.
- Radiator. B. F. Wright. No. 51,519; Nov. 20; v. 244; p. 802.
- Radiator attachment, Automobile. J. H. Warner and H. S. Smith. No. 51,402; Oct. 16; v. 243; p. 776.
- Radiator-core. J. A. Kuenz. No. 50,204; Jan. 16; v. 234; p. 1033.
- Radiator for automobiles and other vehicles. R. M. De Vignier. No. 51,012; July 10; v. 240; p. 617.
- Radiator for automobiles and other vehicles. J. W. Watson. No. 50,638; Apr. 17; v. 237; p. 901.
- Radiator for motor-cars. L. Dufour. No. 51,174; Aug. 21; v. 241; p. 890.
- Radiators of automobiles, Indicator for. M. Breneman. No. 51,454; Nov. 6; v. 244; p. 267.
- Radiogenerators, Casing for. E. W. Borggrafe. No. 51,250; Sept. 11; v. 242; p. 490.
- Railway bulletin-board. J. Gayle. No. 50,147; Jan. 9; v. 234; p. 652.
- Range. J. Jungers. No. 50,789; May 15; v. 238; p. 957.
- Range, Coal and, gas. J. Van Buren. No. 51,467; Nov. 6; v. 244; p. 270.
- Receptacle, Built-in wall-. S. D. Baker. No. 51,165; Aug. 21; v. 241; p. 889.
- Reflector. J. A. Hoeveler. Nos. 50,130-31; Jan. 2; v. 234; pp. 347-8.
- Reflector, Light-diffusing. A. B. L. Clausen. No. 50,267; Feb. 6; v. 235; p. 300.
- Refrigerator. J. E. Gloekler. Nos. 50,939-40; June 19; v. 239; p. 913.
- Register-cord hanger. F. T. Lawton. No. 50,311; Feb. 13; v. 235; p. 668.
- Ribbon. J. Sulzbach. No. 51,445; Oct. 30; v. 243; p. 1292.
- Ring. C. A. Bickford. No. 50,293; Feb. 13; v. 235; p. 665.
- Ring. B. Glasman. No. 51,095; July 31; v. 240; p. 1434.
- Ring. A. Jacobson. No. 51,141; Aug. 14; v. 241; p. 593.
- Ring. A. Jacobson. No. 51,264; Sept. 11; v. 242; p. 493.
- Ring. J. Katz. No. 50,447; Mar. 13; v. 236; p. 576.
- Ring. W. Schiff. No. 50,762; May 8; v. 238; p. 625.
- Ring, Finger-. I. Bernstein. No. 51,297; Sept. 25; v. 242; p. 973.
- Ring, Finger-. J. A. Jacobs. Nos. 51,067-9; July 24; v. 240; pp. 1145-6.
- Ring, Finger-. F. C. Monkhouse. No. 51,505; Nov. 20; v. 244; p. 799.
- Ring, Finger-. F. Roeger. No. 51,125; Aug. 7; v. 241; p. 279.
- Ring, Jewelry-. J. T. Bailey. No. 51,311; Oct. 2; v. 243; p. 210.
- Ring or similar article. M. L. and M. L. Bowden, Jr. No. 50,181; Jan. 16; v. 234; p. 1028.
- Ring or similar article. M. L. and M. L. Bowden, Jr. No. 50,461; Mar. 20; v. 236; p. 869.
- Ring or similar article. M. L. and M. L. Bowden, Jr. No. 50,807; May 22; v. 238; p. 1307.
- Ring or similar article. M. L. and M. L. Bowden, Jr. No. 50,902; June 12; v. 239; p. 624.
- Ring or similar article. M. L. and M. L. Bowden, Jr. No. 50,549; Apr. 3; v. 237; p. 286.
- Ring or similar article. L. M. Darling. No. 50,808; May 22; v. 238; p. 1307.
- Ring or similar article. H. H. Walker. No. 51,621; Dec. 18; v. 245; p. 820.
- Ring or similar article, Finger-. J. C. Barker. No. 51,406; Oct. 23; v. 243; p. 1043.
- Ring or similar article, Finger-. C. Fischer. No. 51,302; Sept. 25; v. 242; p. 974.
- Ring or similar article, Finger-. M. Weiner and I. J. Rifkin. No. 51,448; Oct. 30; v. 243; p. 1293.
- Ring or similar article of jewelry, Finger-. G. H. Harper. No. 51,554; Dec. 11; v. 245; p. 529.
- Ring, Seal finger-. E. F. Ramsberger. No. 51,047; July 17; v. 240; p. 914.
- Ring, Wedding-. M. H. Lebolt. No. 51,209; Aug. 28; v. 241; p. 1134.
- Rocking-chair. T. J. McCormick. No. 50,875; June 5; v. 239; p. 290.
- Rolling-pin. S. Kieler. No. 51,070; July 24; v. 240; p. 1146.
- Roofing, Ornamental flexible. A. J. Caron. No. 51,438; Oct. 30; v. 243; p. 1291.
- Rosary-medal. F. J. McLoughlin. No. 50,894; June 5; v. 239; p. 294.
- Rug. J. Enis. No. 51,589; Dec. 18; v. 245; p. 814.
- Rug. K. Gumuchian. No. 51,014; July 10; v. 240; p. 618.
- Rug. H. C. Lacouture. No. 51,017; July 10; v. 240; p. 618.
- Rug. W. McCabe. Nos. 51,600-1; Dec. 18; v. 245; p. 816.
- Rug. H. W. Parton. No. 50,426; Mar. 6; v. 236; p. 256.
- Rug. R. F. Riddell. No. 50,249; Jan. 30; v. 234; p. 1556.
- Rug. R. F. Riddell. Nos. 50,916-19; June 12; v. 239; pp. 627-8.
- Rug. R. F. Riddell. No. 50,958; June 19; v. 239; p. 916.
- Rug. E. G. Sauer. No. 51,608; Dec. 18; v. 245; p. 818.
- Rug. M. H. Solms. No. 50,254; Jan. 30; v. 234; p. 1557.
- Rug. W. A. Spring. Nos. 51,612-14; Dec. 18; v. 245; pp. 818-19.
- Rug. H. Ulmer. No. 50,800; May 15; v. 238; p. 959.
- Rug, carpet, or similar article. W. Walker. No. 51,086; July 24; v. 240; p. 1149.
- Rug, carpet, or similar article. W. Walker. No. 51,158; Aug. 14; v. 241; p. 596.
- Salt and pepper cellar, Combination. C. D. Gilmore. No. 50,344; Feb. 20; v. 235; p. 1023.
- Salt-cellar, bottle, or similar article. T. A. De Vilbiss. No. 50,414; Mar. 6; v. 236; p. 254.
- Salt-cellar, bottle, or similar article. T. A. De Vilbiss. Nos. 50,466-7; Mar. 20; v. 236; pp. 870-1.
- Salt-shaker. D. Frishman. No. 50,907; June 12; v. 239; p. 625.
- Saucepan. B. P. Wagner. No. 50,595; Apr. 10; v. 237; p. 600.
- Scale-casing. J. Hopkinson. No. 50,417; Mar. 6; v. 236; p. 254.
- Scale casing, Weighing-. O. E. Wagner and E. H. Funke. No. 51,400; Oct. 16; v. 243; p. 775.
- Scale casing, Weighing-. J. B. Watling. No. 51,403; Oct. 16; v. 243; p. 776.
- Scale-frame. L. Jaenichen. No. 50,688; May 1; v. 238; p. 280.
- Scale, Weighing-. A. W. Barnard and J. W. McMillan. No. 50,804; May 22; v. 238; p. 1307.
- Scales, Casing for weighing-. H. S. Mills. No. 50,206; Jan. 16; v. 234; p. 1033.
- Scales, Casing for weighing-. H. S. Mills. No. 50,246; Jan. 30; v. 234; p. 1556.
- Screw. F. Vorel. No. 51,291; Sept. 18; v. 242; p. 729.
- Sewing-cabinet, Seamstress. H. Becker. No. 50,214; Jan. 23; v. 234; p. 1289.
- Sewing-table. L. A. Boyer. No. 50,711; May 8; v. 238; p. 614.
- Shade. W. J. Fensterer. No. 50,777; May 15; v. 238; p. 955.
- Shade. N. Kopp. Nos. 50,947-8; June 19; v. 239; p. 914.
- Shade-bowl. J. Beiswanger. No. 50,180; Jan. 16; v. 234; p. 1028.
- Shade-bracket. A. J. Stephens. No. 50,822; May 22; v. 238; p. 1310.
- Shampooing apparatus. W. Faerber. No. 50,186; Jan. 16; v. 234; p. 1030.
- Sharpeners, Casing for razor-blade. G. G. Floyd. No. 51,550; Dec. 11; v. 245; p. 529.
- Shears, scissors, or similar article, Pair of. E. Koehler. No. 51,180; Aug. 21; v. 241; p. 892.
- Shed, Shelter. O. W. Norcross. No. 50,281; Feb. 6; v. 235; p. 303.
- Shoe. E. S. Barsamian. No. 51,407; Oct. 23; v. 243; p. 1043.
- Shoe. P. E. Blum. No. 51,009; July 10; v. 240; p. 617.
- Shoe. P. E. Blum. No. 51,042; July 17; v. 240; p. 913.
- Shoe. A. Ollariu. No. 51,388; Oct. 16; v. 243; p. 773.
- Shoe. C. B. Spalsbury. No. 50,451; Mar. 13; v. 236; p. 577.
- Shoe-fastener. B. Held. No. 50,473; Mar. 20; v. 236; p. 872.
- Shoes, Reinforcing-plate for. L. Hasel. No. 50,573; Apr. 10; v. 237; p. 596.
- Show-case. A. S. Thompson. No. 51,155; Aug. 14; v. 241; p. 596.
- Shrine. J. Rastija. No. 51,240; Sept. 4; v. 242; p. 235.
- Sifter-box or similar article. L. Morse. No. 51,024; July 10; v. 240; p. 619.
- Sign. I. Bromiley. No. 50,215; Jan. 23; v. 234; p. 1289.
- Sign. I. Bromiley. No. 50,606; Apr. 17; v. 237; p. 895.
- Sign. J. F. Crowley. No. 50,441; Mar. 13; v. 236; p. 575.
- Sign, Electric. M. Norden. No. 50,356; Feb. 20; v. 235; p. 1026.
- Sign-post. W. H. Lienesch. No. 50,392; Feb. 27; v. 235; p. 1329.

- Signal. J. Anderson, Jr. No. 51,089; July 31; v. 240; p. 1433.
- Silk cloth. F. E. Ferler. No. 50,255; Jan. 30; v. 234; p. 1557.
- Silver hollow ware, Border for dish, plate, bowl, tray, or similar article of. H. Hebbard. No. 51,538; Dec. 4; v. 245; p. 258.
- Skate-blade. E. Hunold. No. 50,943; June 19; v. 239; p. 914.
- Skates, Foot-plate for. E. Hunold. No. 50,580; Apr. 10; v. 237; p. 597.
- Skates, Heel-plate for. E. Hunold. No. 50,811; May 22; v. 238; p. 1308.
- Slipper. P. E. Blum. No. 51,535; Dec. 4; v. 245; p. 257.
- Slipper-tree and dress-hanger. L. N. Doud. No. 50,468; Mar. 20; v. 236; p. 871.
- Smoker's outfit. J. F. Zeckert. No. 51,380; Oct. 16; v. 243; p. 771.
- Snap-switch cover. G. B. Thomas. No. 51,271; Sept. 11; v. 242; p. 495.
- Soap and other toilet articles, Wall-receptacle for. S. D. Baker. No. 50,291; Feb. 13; v. 235; p. 664.
- Soap and other toilet articles, Wall-receptacle for. S. D. Baker. No. 51,249; Sept. 11; v. 242; p. 490.
- Soap and other toilet articles, Wall-receptacle for. S. D. Baker. No. 51,405; Oct. 23; v. 243; p. 1043.
- Soap, Bar of. A. L. Schwartzberg. No. 51,395; Oct. 16; v. 243; p. 774.
- Soap-bubbler. J. R. Stull. No. 51,488; Nov. 13; v. 244; p. 542.
- Soap, Cake of. A. L. Schwartzberg. No. 50,285; Feb. 6; v. 235; p. 304.
- Soap, Cake of. P. K. Williams. No. 51,534; Nov. 27; v. 244; p. 1069.
- Sound-box. J. J. Scully. No. 51,609; Dec. 18; v. 245; p. 818.
- Sound-producing instruments, Casing for. L. MacLachlan. Nos. 51,501-3; Nov. 20; v. 244; pp. 798-9.
- Sound-reproducing machines, Casing for. H. T. Schiff. No. 50,849; May 29; v. 238; p. 1616.
- Spark-plug cleaner. J. B. Martin. No. 51,529; Nov. 27; v. 244; p. 1068.
- Spectacle-case catch. W. M. Carter. No. 50,607; Apr. 17; v. 237; p. 896.
- Spoon. S. A. Galpin. No. 51,369; Oct. 16; v. 243; p. 770.
- Spoon. E. H. Johnson. No. 50,133; Jan. 2; v. 234; p. 348.
- Spoon. R. R. Kintz. No. 50,422; Mar. 6; v. 236; p. 255.
- Spoon. G. R. Ploetz. No. 50,628; Apr. 17; v. 237; p. 900.
- Spoon. S. S. Sencenbaugh. No. 51,049; July 17; v. 240; p. 914.
- Spoon, fork, and the like. H. B. O'Brien. No. 50,321; Feb. 13; v. 235; p. 670.
- Spoon, fork, or similar article. A. L. Barney. No. 50,375; Feb. 27; v. 235; p. 1326.
- Spoon, fork, or similar article. R. Feil. No. 50,835; May 29; v. 238; p. 1612.
- Spoon, fork, or similar article. H. Hillbom. No. 50,579; Apr. 10; v. 237; p. 597.
- Spoon, fork, or similar article. H. Hillborn. No. 50,972; June 26; v. 239; p. 1189.
- Spoon, fork, or similar article. H. Hillbom. No. 51,431; Oct. 23; v. 243; p. 1048.
- Spoon, fork, or similar article. R. R. Kintz. No. 50,391; Feb. 27; v. 235; p. 1329.
- Spoon, fork, or similar article. F. W. Koonz. No. 50,581; Apr. 10; v. 237; p. 597.
- Spoon, fork, or similar article. G. C. Lunt. No. 50,951; June 19; v. 239; p. 915.
- Spoon, fork, or similar article. W. Malmquist. No. 50,626; Apr. 17; v. 237; p. 899.
- Spoon, fork, or similar article. C. W. Malmquist. Nos. 51,460-1; Nov. 6; v. 244; p. 269.
- Spoon, fork, or similar article. A. A. Parrett. No. 51,185; Aug. 21; v. 241; p. 893.
- Spoon, fork, or similar article. F. E. Prétat. No. 50,536; Apr. 10; v. 237; p. 598.
- Spoon, fork, or similar article. J. Rothlisberger. No. 50,848; May 29; v. 238; p. 1616.
- Spoon, fork, or similar article. C. F. Simms. No. 51,216; Aug. 28; v. 241; p. 1135.
- Spoon, fork, or similar article. F. Schwinn. Nos. 51,396-7; Oct. 16; v. 243; pp. 774-5.
- Spoon, fork, or similar article. P. Stewart. No. 51,245; Sept. 4; v. 242; p. 236.
- Spoon, fork, or similar article. S. Stohr. No. 50,408; Feb. 27; v. 235; p. 1333.
- Spoon, fork, or similar article. G. Strohaker. No. 51,189; Aug. 21; v. 241; p. 893.
- Spoon, fork, or similar article. G. P. Tilton. No. 50,825; May 22; v. 238; p. 1310.
- Spoon, fork, or similar article. F. Wallace. No. 51,218; Aug. 28; v. 241; p. 1135.
- Spoon, fork, or similar article. H. L. Wallace. No. 51,087; July 24; v. 240; p. 1149.
- Spoon, fork, or similar article. S. G. Wilkes. No. 50,153; Jan. 9; v. 234; p. 654.
- Spoon, fork, or similar article, Handle for a. G. E. Ball. No. 50,292; Feb. 13; v. 235; p. 665.
- Spoon, fork, or similar article, Handle for a. G. E. Ball. No. 50,562; Apr. 10; v. 237; p. 594.
- Spoon, fork, or similar article, Handle for a. G. L. Crowell, Jr. Nos. 51,583-4; Dec. 18; v. 245; p. 813.
- Spoon, fork, or similar article, Handle for a. W. A. Jameson. Nos. 50,660-1; Apr. 24; v. 237; p. 1201.
- Spoon or analogous utensil, Handle for a. G. N. Allen. No. 50,288; Feb. 13; v. 235; p. 664.
- Spoon or analogous utensil, Handle for a. G. N. Allen. No. 50,546; Apr. 3; v. 237; p. 286.
- Spoon, Toasting-. N. Madson. No. 50,393; Feb. 27; v. 235; p. 1329.
- Spoons, forks, or analogous utensils, Handle for. G. N. Allen. Nos. 50,256-62; Feb. 6; v. 235; pp. 298-9.
- Spoons, forks, or similar articles, Handle for. B. P. Jenks. No. 50,802; May 15; v. 238; p. 959.
- Spoons, forks, or similar articles, Handle for. B. P. Jenks. No. 51,381; Oct. 16; v. 243; p. 771.
- Spoons, forks, or similar articles, Handle for. A. H. Staf. No. 50,592; Apr. 10; v. 237; p. 599.
- Spoons or analogous articles, Handle for. H. E. Nock. No. 50,792; May 15; v. 238; p. 957.
- Spoons or analogous articles, Handle for. H. E. Nock. No. 51,076; July 24; v. 240; p. 1147.
- Stand. F. Bick. No. 51,037; July 17; v. 240; p. 912.
- Stand, Combined jardinière and grafonola. F. Hoyt. No. 50,419; Mar. 6; v. 236; p. 255.
- Stand, Reading-. J. P. C. Von Carlsberg. No. 51,489; Nov. 13; v. 244; p. 542.
- Station, Service-. S. W. Raymond. No. 51,322; Oct. 2; v. 243; p. 212.
- Statue. C. A. Moyssiades. Nos. 51,074-5; July 24; v. 240; pp. 1146-7.
- Statuette. E. Davis. Nos. 51,313-14; Oct. 2; v. 243; p. 210.
- Statuette. C. H. Forbell. No. 50,778; May 15; v. 238; p. 955.
- Statuette. B. E. McKenzie. No. 51,307; Sept. 25; v. 242; p. 975.
- Statuette. G. D. Moulton. No. 51,073; July 24; v. 240; p. 1146.
- Statuette or doll. M. E. Harris. No. 51,415; Oct. 23; v. 243; p. 1044.
- Statuette or similar article. J. F. Tiller. No. 50,669; Apr. 24; v. 237; p. 1202.
- Stick-pin. G. A. Desenfant. No. 51,226; Sept. 4; v. 242; p. 232.
- Storage-tank. G. W. Blake. No. 51,545; Dec. 11; v. 245; p. 528.
- Store-front. C. L. Taylor. No. 51,399; Oct. 16; v. 243; p. 775.
- Stove. A. J. Blackford. No. 51,092; July 31; v. 240; p. 1434.
- Stove. G. B. Carter and W. L. Bertram. No. 50,565; Apr. 10; v. 237; p. 594.
- Stove. W. F. Dewey. No. 50,465; Mar. 20; v. 236; p. 870.
- Stove. C. R. Graham. No. 50,555; Apr. 3; v. 237; p. 288.
- Stove. C. R. Graham. No. 50,941; June 19; v. 239; p. 913.
- Stove. M. R. Lehman. Nos. 51,344-5; Oct. 9; v. 243; p. 501.
- Stove. L. Moore. No. 51,605; Dec. 18; v. 245; p. 817.
- Stove. L. D. Smith. No. 50,245; Jan. 30; v. 234; p. 1555.
- Stove, Brooder-. S. B. Smith. No. 50,763; May 8; v. 238; p. 626.
- Stove, Gas-. A. H. Humphrey. Nos. 51,557-8; Dec. 11; v. 245; p. 530.
- Stove, Gas-. A. H. Humphrey. No. 51,595; Dec. 18; v. 245; p. 815.
- Stove, Tile-. F. Ziganeck. No. 50,492; Mar. 20; v. 236; p. 875.
- Stove top, Gas-. R. T. Parisen. No. 50,701; May 1; v. 238; p. 282.
- Strap-fitting. O. L. Badger. No. 51,571; Dec. 18; v. 245; p. 811.
- Suifcase. C. F. Blanke. No. 51,437; Oct. 30; v. 243; p. 1291.
- Syrup-dispensing apparatus. J. M. Travis. No. 50,222; Jan. 23; v. 234; p. 1290.
- Syrup-dispensing apparatus. J. M. Travis. No. 51,084; July 24; v. 240; p. 1148.
- Syrup-dispensing apparatus. J. M. Travis. No. 51,533; Nov. 27; v. 244; p. 1069.
- Table, Book-. M. Butler. No. 50,122; Jan. 2; v. 234; p. 346.
- Table, Camp-. A. Vajda. No. 50,670; Apr. 24; v. 237; p. 1202.
- Tablet, Commemoration-. M. Fyscher. No. 51,456; Nov. 6; v. 244; p. 268.
- Table-piece for holding flowers. P. G. Rinken. No. 51,081; July 24; v. 240; p. 1148.
- Table-top. G. W. Holman. No. 51,594; Dec. 18; v. 245; p. 815.
- Tag-holder. J. C. King. No. 51,386; Oct. 16; v. 243; p. 772.
- Talcum-box, Sheet-metal. H. R. Corey. No. 50,933; June 19; v. 239; p. 912.
- Talking-machine cabinet. R. H. Cone, Jr. No. 51,056; July 24; v. 240; p. 1143.
- Talking-machine cabinet. W. K. Cowan. Nos. 50,608-13; Apr. 17; v. 237; p. 896.
- Talking-machine cabinet. H. D. Darlington. No. 50,775; May 15; v. 238; p. 954.
- Talking-machine cabinet. C. Hine. Nos. 51,334-41; Oct. 9; v. 243; pp. 498-500.

Alphabetical list of designs—Continued.

- Talking-machine cabinet. A. E. Parnall. No. 50,139; Jan. 2; v. 234; p. 349.
- Talking-machine cabinet. R. L. Poe. No. 51,540; Dec. 4; v. 245; p. 258.
- Talking-machine casing. J. C. English. No. 50,126; Jan. 2; v. 234; p. 346.
- Talking-machine tone-arm. H. Segal. No. 51,001; July 3; v. 240; p. 314.
- Talking-machines, Casing for winding attachments for. J. W. Jones. No. 50,388; Feb. 27; v. 235; p. 1329.
- Tea-pot or similar article. H. Hillbom. No. 51,379; Oct. 16; v. 243; p. 771.
- Teapot or other article of hollow ware, Body of a. G. E. Ball. No. 50,563; Apr. 10; v. 237; p. 594.
- Teapot or similar article. W. D. Smith and R. J. Bourgeois. Nos. 50,764-5; May 8; v. 238; pp. 626-7.
- Textile trimming. A. S. Freed. No. 51,107; Aug. 7; v. 241; p. 275.
- Thermostat-casing. E. C. Johns. No. 50,787; May 15; v. 238; p. 956.
- Thermostats, Casing for. E. C. Johns. No. 51,304; Sept. 25; v. 242; p. 974.
- Threshold-plate. F. J. Plym. No. 51,508; Nov. 20; v. 244; p. 800.
- Tie-pin. J. Gylwaichuk. No. 51,233; Sept. 4; v. 242; p. 234.
- Tire. R. F. America. No. 51,193; Aug. 28; v. 241; p. 1131.
- Tire. J. S. Broughton. No. 50,681; May 1; v. 238; p. 279.
- Tire. E. Hopkinson. No. 50,202; Jan. 16; v. 234; p. 1032.
- Tire. E. A. Jones. No. 50,873; June 5; v. 239; p. 291.
- Tire. M. F. Oliver. No. 50,793; May 15; v. 238; p. 957.
- Tire, Automobile. C. L. Archer. No. 51,428; Oct. 23; v. 243; p. 1047.
- Tire, Automobile. P. and B. De Mattia. No. 50,269; Feb. 6; v. 235; p. 301.
- Tire, Automobile. R. H. Keaton. No. 50,352; Feb. 20; v. 235; p. 1025.
- Tire, Automobile. C. W. McKone. No. 51,184; Aug. 21; v. 241; p. 893.
- Tire, Automobile. C. B. Reynolds. No. 50,360; Feb. 20; v. 235; p. 1027.
- Tire, Automobile. W. A. Robbins. No. 50,361; Feb. 20; v. 235; p. 1027.
- Tire-casing. A. Breitenstein. No. 51,580; Dec. 18; v. 245; p. 812.
- Tire-casing. G. W. Odell. No. 50,282; Feb. 6; v. 235; p. 303.
- Tire, Elastic vehicle. G. W. Greene. No. 51,413; Oct. 23; v. 243; p. 1044.
- Tire, Elastic vehicle. R. P. Sullivan. No. 51,616; Dec. 18; v. 245; p. 819.
- Tire, Pneumatic. A. A. Garthwaite. No. 51,370; Oct. 16; v. 243; p. 770.
- Tire, Pneumatic. R. M. Pierson. No. 50,956; June 19; v. 239; p. 916.
- Tire, Pneumatic. R. M. Pierson. Nos. 50,976-7; June 26; v. 239; p. 1190.
- Tire, Pneumatic. H. K. Raymond. No. 50,915; June 12; v. 239; p. 627.
- Tire-tread. S. S. Adams. No. 50,673; May 1; v. 238; p. 277.
- Tire-tread. P. D. Beck. No. 51,544; Dec. 11; v. 245; p. 528.
- Tire-tread. W. C. Beckwith. No. 51,435; Oct. 30; v. 243; p. 1290.
- Tire-tread. W. C. Beckwith. No. 51,452; Nov. 6; v. 244; p. 267.
- Tire-tread. A. L. Breitenstein. No. 50,265; Feb. 6; v. 235; p. 300.
- Tire-tread. W. B. Buckley. No. 50,828; May 29; v. 238; p. 1611.
- Tire-tread. W. B. Buckley. No. 51,546; Dec. 11; v. 245; p. 528.
- Tire-tread. F. B. Carlisle. No. 50,931; June 19; v. 239; p. 912.
- Tire-tread. W. D. Freese. No. 50,380; Feb. 27; v. 235; p. 1327.
- Tire-tread. E. O. Fritch. No. 50,190; Jan. 16; v. 234; p. 1030.
- Tire-tread. C. A. Goetze. Nos. 51,230-1; Sept. 4; v. 242; p. 233.
- Tire-tread. J. Hauvette-Michelin. No. 51,555; Dec. 11; v. 245; p. 530.
- Tire-tread. C. B. Klopfenstein. No. 51,499; Nov. 20; v. 244; p. 798.
- Tire-tread. C. L. Landon. No. 51,418; Oct. 23; v. 243; p. 1045.
- Tire-tread. G. H. Lewis. No. 51,346; Oct. 9; v. 243; p. 501.
- Tire-tread. T. J. Mell. No. 51,072; July 24; v. 240; p. 1146.
- Tire-tread. W. H. Owens. No. 51,423; Oct. 23; v. 243; p. 1046.
- Tire-tread. A. L. Pearce. No. 51,391; Oct. 16; v. 243; p. 773.
- Tire-tread. J. W. Maguire. No. 51,528; Nov. 27; v. 244; p. 1067.
- Tire-tread. D. Spence. No. 50,431; Mar. 6; v. 236; p. 257.
- Tire-tread. L. T. Vance. No. 50,961; June 19; v. 239; p. 917.
- Tire tread, Automobile. H. S. Blynt. No. 50,644; Apr. 24; v. 237; p. 1198.
- Tire tread, Automobile. F. T. Faircloth. No. 50,871; June 5; v. 239; p. 289.
- Tire tread, Automobile. F. T. Faircloth. No. 51,013; July 10; v. 240; p. 618.
- Tire tread, Automobile. E. Von Vargyas. No. 50,769; May 8; v. 238; p. 627.
- Tire tread, Automobile. E. Von Vargyas. No. 50,881; June 5; v. 239; p. 291.
- Tire-tread, Non-skid. C. L. Archer. No. 51,429; Oct. 23; v. 243; p. 1047.
- Tire tread, Pneumatic. J. C. Kocotes. No. 50,840; May 29; v. 238; p. 1614.
- Tire tread, Rubber. G. P. Herrick. No. 50,655; Apr. 24; v. 237; p. 1200.
- Tire tread, Vehicle. S. G. Rigdon. No. 51,512; Nov. 20; v. 244; p. 800.
- Tire, Vehicle. W. B. Buckley. Nos. 50,120-21; Jan. 2; v. 234; p. 345.
- Tire, Vehicle. R. H. Keaton. No. 50,134; Jan. 2; v. 234; p. 348.
- Tire, Vehicle-wheel. M. Braley. No. 51,522; Nov. 27; v. 244; p. 1066.
- Tobacco-pipe. J. A. Berchtold. No. 50,601; Apr. 17; v. 237; p. 894.
- Tobacco-pouch. J. H. Watson, Jr. No. 51,247; Sept. 4; v. 242; p. 236.
- Tone-arm. P. Farb. Nos. 51,058-60; July 24; v. 240; p. 1144.
- Tool, Combination. G. W. Funk. No. 50,381; Feb. 27; v. 235; p. 1327.
- Tool, Rim. H. R. Bailey. No. 51,521; Nov. 27; v. 244; p. 1066.
- Tooth-pick holder. E. J. Stalder. No. 51,104; July 31; v. 240; p. 1435.
- Top. L. Barbalich. No. 50,980; July 3; v. 240; p. 309.
- Torch, Blow. C. R. Lambert. No. 50,557; Apr. 3; v. 237; p. 288.
- Toy. J. Chein. No. 50,832; May 29; v. 238; p. 1612.
- Toy. A. D. Converse. No. 50,340; Feb. 20; v. 235; p. 1023.
- Toy. P. M. Davis. No. 50,238; Jan. 30; v. 234; p. 1554.
- Toy. C. S. Hammock. Nos. 51,470-2; Nov. 6; v. 244; p. 271.
- Toy. A. Sander. No. 50,405; Feb. 27; v. 235; p. 1332.
- Toy. N. Sells. Nos. 51,610-11; Dec. 18; v. 245; p. 819.
- Toy. E. H. Swetland. No. 50,409; Feb. 27; v. 235; p. 1333.
- Toy. E. H. Swetland. Nos. 50,853-4; May 29; v. 238; p. 1617.
- Toy. E. Turner. No. 51,246; Sept. 4; v. 242; p. 236.
- Toy, Balancing. P. Pezuto. No. 51,321; Oct. 2; v. 243; p. 212.
- Toy balloon. J. B. Amherst. No. 51,036; July 17; v. 240; p. 912.
- Toy banking-room. C. L. Glenn. No. 50,382; Feb. 27; v. 235; p. 1328.
- Toy building element. A. C. Gilbert. No. 51,277; Sept. 18; v. 242; p. 727.
- Toy cannon. L. Y. Williams. No. 50,370; Feb. 20; v. 235; p. 1028.
- Toy cradle-bank. A. H. Sander. No. 50,667; Apr. 24; v. 237; p. 1202.
- Toy figure. E. Allison. No. 51,490; Nov. 20; v. 244; p. 796.
- Toy figure. H. Klagsbrunn. No. 51,440; Oct. 30; v. 243; p. 1291.
- Toy, Figure. A. Morse. Nos. 50,316-20; Feb. 13; v. 235; pp. 669-70.
- Toy, Figure. L. Morse. No. 51,023; July 10; v. 240; p. 619.
- Toy figure. C. J. Ross. No. 50,820; May 22; v. 238; p. 1309.
- Toy girder or column. A. C. Gilbert. No. 51,552; Dec. 11; v. 245; p. 529.
- Toy monkey. S. G. Szopko. No. 51,309; Sept. 25; v. 242; p. 975.
- Toy rabbit. N. S. Tolliver. No. 50,367; Feb. 20; v. 235; p. 1028.
- Toy rattler. G. A. Baehr. No. 50,460; Mar. 20; v. 236; p. 869.
- Toy savings-bank. S. Siegel. No. 50,560; Apr. 3; v. 237; p. 289.
- Toy submarine. G. A. Ries. No. 51,541; Dec. 4; v. 245; p. 253.
- Toy, Wheeled figure. L. Morse. No. 51,097; July 31; v. 240; p. 1436.
- Tractor-frame. D. Parrett. No. 51,424; Oct. 23; v. 243; p. 1046.
- Traffic-signal. H. Masterson. No. 51,347; Oct. 9; v. 243; p. 501.
- Tray. I. Freid. No. 50,885; June 5; v. 239; p. 292.
- Tray, Check and deposit-slip. E. S. Johnson. No. 50,788; May 15; v. 238; p. 956.
- Tray, dish, or similar article of silver hollow ware. H. Hebbard. No. 51,496; Nov. 20; v. 244; p. 797.
- Tray, Display. A. Van Gytenbeck. No. 51,620; Dec. 18; v. 245; p. 820.
- Tray or receptacle. C. E. Schafer. No. 51,466; Nov. 6; v. 244; p. 270.
- Tray, Revolving. E. F. Guth. No. 50,723; May 8; v. 238; p. 617.

- Trays or similar articles, Support for. M. Herbert. No. 51,315; Oct. 2; v. 243; p. 211.
- Tread, Non-skid. J. D. Cline. No. 50,567; Apr. 10; v. 237; p. 595.
- Trimming. M. N. Aaron. No. 51,164; Aug. 21; v. 241; p. 889.
- Trimming, Textile. E. F. Eisinger. No. 51,229; Sept. 4; v. 242; p. 233.
- Type, Font of. R. F. Burfeind. No. 51,254; Sept. 11; v. 242; p. 491.
- Type, Font of. S. C. Gaunt. Nos. 51,371-8; Oct. 16; v. 243; pp. 770-1.
- Type, Font of. C. E. Wolfe. No. 50,454; Mar. 13; v. 236; p. 578.
- Type, Font of printing. W. T. Geissinger. No. 50,191; Jan. 16; v. 234; p. 1030.
- Universal right-angle iron. E. J. Bryant. No. 51,581; Dec. 18; v. 245; p. 812.
- Urnal. D. A. Ebinger. No. 51,537; Dec. 4; v. 245; p. 258.
- Utensil-stand. M. W. Board. No. 51,055; July 24; v. 240; p. 1143.
- Vacuum-cleaner casing. W. E. Sherbondy. No. 51,444; Oct. 30; v. 243; p. 1292.
- Valve-casing. R. W. Reid, Jr. No. 50,631; Apr. 17; v. 237; p. 900.
- Valves, Dust-cap for. H. P. Kraft. No. 51,526; Nov. 27; v. 244; p. 1067.
- Vanity-case. F. W. Eichorn. No. 51,367; Oct. 16; v. 243; p. 769.
- Vanity-case. K. Ono. No. 50,963; June 19; v. 239; p. 917.
- Vase, Cemetery flower-. W. H. Mohr. No. 50,279; Feb. 6; v. 235; p. 303.
- Vase, Hanging. S. T. White. No. 50,329; Feb. 13; v. 235; p. 672.
- Vehicle. R. B. Fageol. No. 50,146; Jan. 9; v. 234; p. 652.
- Vehicle. F. E. Kehl. No. 50,475; Mar. 20; v. 236; p. 872.
- Vehicle-body. H. W. Eichbaum. No. 50,125; Jan. 2; v. 234; p. 346.
- Vehicle-body, Covered. W. I. Twombly. No. 50,637; Apr. 17; v. 237; p. 901.
- Vehicle, Frame of a child's. A. T. Manchester. No. 50,394; Feb. 27; v. 235; p. 1330.
- Vehicle-heating casing. C. S. Pelton. No. 50,534; Mar. 27; v. 236; p. 1196.
- Vehicle, Juvenile. M. E. Griswold. No. 51,281; Sept. 18; v. 242; p. 728.
- Vehicles, Flag carrier and illuminating device for motor-. W. M. Horton. No. 51,177; Aug. 21; v. 241; p. 891.
- Veiling. Z. Van Raalte. No. 50,593; Apr. 10; v. 237; p. 599.
- Velocipede for the use of children. H. W. Case. No. 50,552; Apr. 3; v. 237; p. 287.
- Velocipede for the use of children. H. W. Case. No. 50,882; June 5; v. 239; p. 291.
- Vending and weighing machines, Casing for combined. C. E. McAdow. No. 50,205; Jan. 16; v. 234; p. 1033.
- Vending and weighing machines, Casing for combined. C. E. McAdow. No. 50,312; Feb. 13; v. 235; p. 668.
- Vending-apparatus front plate. H. E. Weeghman. No. 51,052; July 17; v. 240; p. 915.
- Vending-machine casing. G. Kern. No. 50,699; May 1; v. 238; p. 281.
- Vending-machine casing. J. Paupa and G. F. Hochriem. Nos. 51,389-90; Oct. 16; v. 243; p. 773.
- Vending-machine casing. W. I. Ravert. No. 51,393; Oct. 16; v. 243; p. 774.
- Vending-machine casing. E. R. Sharp. No. 51,243; Sept. 4; v. 242; p. 235.
- Ventilator. L. Klima. No. 50,624; Apr. 17; v. 237; p. 899.
- Vibrator-body. G. B. Pickop. No. 51,607; Dec. 18; v. 245; p. 817.
- Wall-covering. E. C. Baeck. No. 51,434; Oct. 30; v. 243; p. 1290.
- Wall device, Built-in grab-rail. S. D. Baker. No. 51,196; Aug. 28; v. 241; p. 1132.
- Wardrobe, Nursery-. A. W. Jansen. No. 50,275; Feb. 6; v. 235; p. 302.
- Warning-signal. J. C. Coulombe. No. 51,548; Dec. 11; v. 245; p. 528.
- Washboilers, Rest for clothes and other articles in. S. Woina. No. 50,858; May 29; v. 238; p. 1618.
- Washstand. A. W. Jansen. No. 50,272; Feb. 6; v. 235; p. 301.
- Watch-bow. C. L. Depollier. No. 51,011; July 10; v. 240; p. 617.
- Watch-bracelet, Case and dial for a. M. H. Lebolt. No. 51,539; Dec. 4; v. 245; p. 258.
- Watch, Case and dial for a wrist-. J. Daving and J. Yokelson. No. 51,523; Nov. 27; v. 244; p. 1066.
- Watch-charm. S. Cappa. No. 51,476; Nov. 13; v. 244; p. 539.
- Watch-dial. F. A. Goodrow. No. 51,627; Dec. 25; v. 245; p. 1007.
- Watch-fob clasp. W. C. Fisk. No. 50,343; Feb. 20; v. 235; p. 1023.
- Watch-fob or similar article. R. L. Queisser. No. 51,463; Nov. 6; v. 244; p. 269.
- Watch-fob, watch-charm, brooch, breastpin, or similar article. A. C. Molholt. No. 51,210; Aug. 28; v. 241; p. 1134.
- Watch holder, Wrist-. G. M. Purver. No. 51,239; Sept. 4; v. 242; p. 235.
- Watchcase. F. E. Hyatt. Nos. 50,910-11; June 12; v. 239; p. 626.
- Watchcase. F. E. Hyatt. No. 50,944; June 19; v. 239; p. 914.
- Watchcase. F. E. Hyatt. No. 50,945; June 19; v. 239; p. 914.
- Watchcase and dial. F. G. Gruen. No. 51,439; Oct. 30; v. 243; p. 1291.
- Watchcase-pendant. A. W. Wadsworth. No. 51,353; Oct. 9; v. 243; p. 503.
- Watchcase-protector. G. Brown. No. 51,298; Sept. 25; v. 242; p. 973.
- Water-closet bowl. S. D. Baker. No. 50,674; May 1; v. 238; p. 277.
- Water-gage casing, Automatic. L. K. McBreen. No. 51,020; July 10; v. 240; p. 619.
- Water-heater casing. H. S. Humphrey. No. 50,839; May 29; v. 238; p. 1613.
- Water-heater shell. C. A. Backstrom. No. 50,864; June 5; v. 239; p. 287.
- Waterer, Hog-. H. S. Busby. No. 50,646; Apr. 24; v. 237; p. 1198.
- Weather-strip for casement-openings. F. J. Plym. No. 51,509; Nov. 20; v. 244; p. 800.
- Weeder-head. J. V. Bredle. No. 51,327; Oct. 9; v. 243; p. 497.
- Welding-machine frame, Chain-. F. H. Howard. No. 51,282; Sept. 18; v. 242; p. 728.
- Wheel fender, Vehicle-. E. G. Budd. No. 51,410; Oct. 23; v. 243; p. 1044.
- Wind-wheel. W. E. Lee. No. 51,235; Sept. 4; v. 242; p. 234.
- Work bag or basket. J. M. Monsarrat. No. 51,237; Sept. 4; v. 242; p. 234.
- Wrench. W. L. Bessolo. No. 50,119; Jan. 2; v. 234; p. 345.
- Wronch. J. P. Worthington. No. 50,372; Feb. 20; v. 235; p. 1029.
- Wringers, Pressure-screw for clothes-. J. F. Hemenway. Nos. 51,204-5; Aug. 28; v. 241; p. 1133.
- Writing-machine frame. W. H. Ebelhare and C. G. Arvidson. No. 50,569; Apr. 10; v. 237; p. 595.
- Writing-machine frame, Check-. J. Whitaker. No. 50,437; Mar. 6; v. 236; p. 258.

ALPHABETICAL LIST OF TRADE-MARKS.

- Abdominal belts or supporters. S. H. Camp. No. 116,588; May 15; v. 238; p. 975.
- Abdominal surgical health-belts. The Weil Corset Company. No. 116,725; May 15; v. 238; p. 979.
- Abrasive, detergent, and polishing material, Certain. Lapin and Calebuff. No. 118,976; Oct. 16; v. 243; p. 790.
- Abrasive, detergent, and polishing materials. Durkee-Atwood Co. No. 116,887; June 5; v. 239; p. 813.
- Abrasive, detergent, and polishing materials, Certain named. American Optical Company. No. 119,023; Oct. 23; v. 243; p. 1059.
- Abrasive, detergent, and polishing materials, Certain named. Eraso Mfg. Co. No. 119,286; Nov. 13; v. p. 558.
- Abrasive, detergent, and polishing materials, Certain named. Chas. F. L'Hommiedieu & Sons Co. No. 118,678; Sept. 25; v. 242; p. 989.
- Abrasive, detergent, and polishing materials, Certain named. McComb Brothers. No. 119,970; Dec. 25; v. 245; p. 1022.
- Abrasive for grinding-wheel dressers. The Desmond-Stephan Manufacturing Co. No. 115,945; Mar. 27; v. 236; p. 1216.
- Abrasive material. Wausau Abrasives Company. No. 117,724; July 24; v. 240; p. 1164.
- Abrasive materials and tools, Certain named. Pike Manufacturing Company. No. 119,366; Nov. 13; v. 244; p. 560.
- Abrasives for use in grinding, Natural and artificial. The National Abrasive Company. No. 118,990; Oct. 16; v. 243; p. 790.
- Abscesses and cataracts. R. M. S. G. Muriglio. No. 118,559; Sept. 18; v. 242; p. 745.
- Accordions. Y. Demianenko. No. 115,166; Jan. 30; v. 234; p. 1578.

Alphabetical list of trade-marks—Continued.

- Acetylsalicylic acid. International Drug Company. No. 118,782; Oct. 2; v. 243; p. 236.
- Adhesive materials. W. Stuhlmueller. No. 118,347; Aug. 28; v. 241; p. 1153.
- Adhesives, adhesive gums, adhesive sizings, including feculose. Feculose Company of America. No. 115,885; Mar. 20; v. 236; p. 885.
- Adhesives, Certain named. W. J. Lumley. No. 118,893; Oct. 9; v. 243; p. 520.
- Advertising literature and other printed matter. Johnson & Dickson. No. 118,198; Aug. 21; v. 241; p. 907.
- Aero-propelled ice-sled. Aerothrust Engine Company. No. 119,015; Oct. 23; v. 243; p. 1059.
- Aeroplane-wing fabrics. United States Rubber Company. No. 117,953; Aug. 7; v. 241; p. 297.
- Aeroplanes and airships. Sunbeam Motor Car Company. No. 119,217; Oct. 30; v. 243; p. 1806.
- Aircraft. General Aeronautic Company. No. 114,744; Jan. 2; v. 234; p. 369.
- Alcohol for fuel purposes, Solidified. F. W. Richardson. No. 116,459; May 1; v. 238; p. 307.
- Alcohol, Solid. George Borgfeldt & Co. No. 115,727; Mar. 6; v. 236; p. 277.
- Alcohol, Solidified. Basic Products Corporation. No. 119,245; Nov. 13; v. 244; p. 557.
- Alcohol, Solidified. Basic Products Corporation. No. 119,868; Dec. 18; v. 245; p. 839.
- Alcohols other than ethyl. American Alcohol Co. No. 117,806; Aug. 7; v. 241; p. 293.
- Ale and extra porter. Stock, Consolidated Bottling Co. No. 115,592; Feb. 27; v. 235; p. 1349.
- Ale and stout. H. P. Finlay & Co. No. 119,434; Nov. 20; v. 244; p. 813.
- Alloy containing copper, zinc, and lead. Silvel Metal Manufacturing Company. No. 118,342; Aug. 28; v. 241; p. 1153.
- Alloy for bearings, in ingots, castings, or forgings. R. E. Rich. No. 116,791; May 22; v. 238; p. 1326.
- Alloy, Metallic. W. M. Levett Company. No. 114,782; Jan. 2; v. 234; p. 370.
- Alloy of base metal. Landers, Frary & Clark. No. 118,675; Sept. 25; v. 242; p. 989.
- Alloys. M. H. Aterite Company Inc. No. 114,676; Jan. 2; v. 234; p. 367.
- Alloys, Aluminum. H. D. Kramm. No. 114,777; Jan. 2; v. 234; p. 370.
- Alloys, Copper base metal. The Ajax Metal Company. No. 114,669; Jan. 2; v. 234; p. 367.
- Aluminum alloy (McAdamite) in various forms, castings, and ingots. McAdamite-Aluminum Company. No. 118,682; Sept. 25; v. 242; p. 989.
- Ammonia compound, cold-water and laundry starch, bluing, &c. Banner Coffee Co. No. 114,682; Jan. 2; v. 234; p. 367.
- Ammonium ichthosulfonate. John Wyeth & Brothers. No. 118,609; Sept. 18; v. 242; p. 747.
- Angles, beams, bars, columns, &c., Structural. A. M. Castle & Co. No. 115,299; Feb. 6; v. 235; p. 318.
- Angling, Leader used in. J. Welsh. No. 116,185; Apr. 10; v. 237; p. 619.
- Animal dips and disinfectants. West Disinfecting Company. No. 116,105; Apr. 3; v. 237; p. 307.
- Animal-traps. Oneida Community. Nos. 119,204-7; Oct. 30; v. 243; p. 1306.
- Animals, birds, and reptiles not intended for food. Live. W. A. King. No. 117,881; Aug. 7; v. 241; p. 295.
- Ant-destroyer. B. Heller & Co. No. 118,410; Sept. 4; v. 242; p. 250.
- Ant-destroyer. B. Heller & Company. No. 118,527; Sept. 18; v. 242; p. 744.
- Anti-hog-cholera serum and hog-cholera virus. Ottumwa Serum Co. No. 119,364; Nov. 13; v. 244; p. 560.
- Anticlouding and cleaning materials. W. G. Albrecht. No. 117,279; July 3; v. 240; p. 333.
- Antifouling compound. J. H. Howatt. No. 117,666; July 24; v. 240; p. 1162.
- Antifreezing compound. H. G. Chemical Products Company. No. 117,318; July 3; v. 240; p. 834.
- Antiphlogistic preparation in the form of a plastic dressing. The Germicide Company. No. 116,516; May 8; v. 238; p. 645.
- Antiseptic and disinfectant. McKesson & Robbins. No. 117,680; July 24; v. 240; p. 1162.
- Antiseptic and germicide for tuberculosis, bronchitis, catarrh, hay-fever. C. E. McLaughlin. No. 119,337; Nov. 13; v. 244; p. 560.
- Antiseptic compound. S. Ransford-Gay. No. 115,113; Jan. 23; v. 234; p. 1309.
- Antiseptic compounds. A. M. Hance. No. 117,319; July 3; v. 240; p. 334.
- Antiseptic, disinfectant, deodorizer, and bleach. Foose Chemical Company. No. 119,688; Dec. 11; v. 245; p. 547.
- Antiseptic germicide and disinfectant for dental use. H. Mestayer. No. 116,538; May 8; v. 238; p. 646.
- Antiseptic mouth-wash. R. G. Roberts. No. 114,824; Jan. 2; v. 234; p. 371.
- Antiseptic, Non-toxic and non-caustic. The Abbott Laboratories. No. 119,014; Oct. 23; v. 243; p. 1059.
- Antiseptic, Pine-oil. The William S. Merrell Chemical Company. No. 116,537; May 8; v. 238; p. 646.
- Antiseptic powder for certain named uses. Narco Company. No. 119,350; Nov. 13; v. 244; p. 560.
- Antiseptic preparation for healing wounds, cuts, and abrasions and stopping bleeding. The Dional Syndicate. No. 115,848; Mar. 13; v. 236; p. 591.
- Antiseptic solution. Scott & Bowne. No. 117,208; June 19; v. 239; p. 937.
- Antiseptic solution. Scott & Bowne. No. 117,369; July 3; v. 240; p. 335.
- Antiseptic throat-tablet. Byron-Patch Co. No. 119,650; Dec. 11; v. 245; p. 546.
- Antiseptic used as a gargle and spray. J. Triner. No. 119,403; Nov. 13; v. 244; p. 562.
- Antiseptic wash. A. E. Brown. No. 119,254; Nov. 13; v. 244; p. 557.
- Antiseptics and disinfectants. B. C. Clément. No. 117,297; July 3; v. 240; p. 333.
- Aperient, laxative, and purgative. Julius Kalish, Inc. No. 118,786; Oct. 2; v. 243; p. 237.
- Apparel, Certain named female wearing. S. Florsheimer & Bro. No. 117,846; Aug. 7; v. 241; p. 294.
- Apparel, Certain named female wearing. E. Newgass. No. 118,911; Oct. 9; v. 243; p. 521.
- Apparel, Certain named wearing. Margot. No. 118,901; Oct. 9; v. 243; p. 520.
- Apparel, Female wearing. E. Newgass. No. 118,214; Aug. 21; v. 241; p. 907.
- Apparel for ladies, Certain named wearing. H. Collins. No. 117,248; June 26; v. 239; p. 1205.
- Appetizer made from select old wines. L. Ardin. No. 116,498; May 8; v. 238; p. 645.
- Apple-juice. Henry Weinhard Estate. No. 118,454; Sept. 4; v. 242; p. 251.
- Apple-juice. National Fruit Juice Company. No. 117,189; June 19; v. 239; p. 936.
- Apples, coffee, oleomargarin, jelly. Meyer & Degerdon. No. 115,367; Feb. 6; v. 235; p. 320.
- Apples, Fresh, boxed. Growers Service Company. No. 115,083; Jan. 23; v. 234; p. 1308.
- Apples in boxes, Fresh. Okanagan Growers Union. No. 116,353; Apr. 24; v. 237; p. 1215.
- Appliqué work, Decorative design-forms for. Grundy & Marten. No. 116,056; Apr. 3; v. 237; p. 306.
- Apricots, prunes, peaches, pears, &c., Dried. Castle Brothers. No. 119,655; Dec. 11; v. 245; p. 546.
- Aprons. The E. B. Kirschmidt Apron Co. No. 118,889; Oct. 9; v. 243; p. 520.
- Aprons. Shearston-Lowell Mfg. Co. No. 118,341; Aug. 28; v. 241; p. 1153.
- Arch-supports. Scholl Manufacturing Company. No. 117,930; Aug. 7; v. 241; p. 296.
- Arch-supports. Scholl Manufacturing Company. Nos. 116,369-70; Apr. 24; v. 237; p. 1216.
- Arch-supports, Flexible. Fritrite Arch Support Co. No. 119,289; Nov. 13; v. 244; p. 558.
- Arsenic bromid, Compound liquor of. J. B. Dixon. No. 117,652; July 24; v. 240; p. 1161.
- Articles made in part of or plated with precious metal, Certain named. C. H. Sherman. No. 116,094; Apr. 3; v. 237; p. 307.
- Asparagus and cantaloups, Fresh. California Vegetable Union. No. 118,152; Aug. 21; v. 241; p. 905.
- Asphalt and asphalt-paving materials. The United States Asphalt Refining Co. No. 117,952; Aug. 7; v. 241; p. 297.
- Asphalt and asphalt paving materials. The United States Asphalt Refining Co. No. 119,834; Dec. 11; v. 245; p. 551.
- Attachment-plugs, lamp-sockets, and outlet-box receptacles. The Best Electric Company. No. 115,283; Feb. 6; v. 235; p. 317.
- Augers and post-hole diggers, Earth-. The Fenn Manufacturing Co. No. 117,304; July 3; v. 240; p. 333.
- Auto and carriage body, furniture, &c., polish. J. Grieshamer. No. 116,428; May 1; v. 238; p. 306.
- Automobile and furniture polish. Ross Gloss Co. No. 119,575; Nov. 27; v. 244; p. 1084.
- Automobile and motor-vehicle lenses, Electrically-lighted. E. B. Kingman Company. No. 117,671; July 24; v. 240; p. 1162.
- Automobile-body, furniture, &c., polish. The Grady Mfg. Co. No. 119,893; Dec. 18; v. 245; p. 840.
- Automobile-body polish. G. R. Barber. No. 114,860; Jan. 9; v. 234; p. 667.
- Automobile-body polishes. Optimus Manufacturing Co. No. 117,587; July 17; v. 240; p. 937.
- Automobile, carriage, and furniture polish. Durst & Chartz Furniture Co. No. 115,168; Jan. 30; v. 234; p. 1578.
- Automobile-chassis. T. L. McGee. No. 117,677; July 24; v. 240; p. 1162.
- Automobile equipment and supplies, Certain named. Weiss-Bosley Sales Company. No. 119,224; Oct. 30; v. 243; p. 1307.
- Automobile, furniture, piano, &c., polishing materials. The Feil Manufacturing Company. No. 115,498; Feb. 20; v. 235; p. 1049.
- Automobile-gasolene-tank filling and measuring devices. Apex Electric Manufacturing Company. No. 114,922; Jan. 16; v. 234; p. 1039.
- Automobile-heaters utilizing the exhaust from explosive engines. The Hill Pump Valve Company. No. 116,952; June 5; v. 239; p. 315.
- Automobile-lenses. Glowlite Company. No. 119,186; Oct. 30; v. 243; p. 1305.

- Automobile-patches. Durkee-Atwood Co. No. 118,394; Sept. 4; v. 242; p. 249.
- Automobile-polish. Superior Manufacturing Co. No. 116,165; Apr. 10; v. 237; p. 618.
- Automobile-radiator and plumbing-fixture antifreezing liquid. J. F. Paterson. No. 116,355; Apr. 24; v. 237; p. 1215.
- Automobile-radiator ornaments. The Art Metal Works. No. 119,164; Oct. 30; v. 243; p. 1305.
- Automobile repair parts, wrenches, reamers, &c. The Hill-Smith Metal Goods Company. No. 116,430; May 1; v. 238; p. 306.
- Automobile-trailers. Auto-Kamp Equipment Co. No. 115,057; Jan. 23; v. 234; p. 1307.
- Automobile-varnish. W. W. Longstreth Incorporated. No. 117,342; July 3; v. 240; p. 334.
- Automobile wind-shields. T. B. Nisbet. No. 117,906; Aug. 7; v. 241; p. 296.
- Automobiles. The Allen Motor Co. No. 119,018; Oct. 23; v. 243; p. 1059.
- Automobiles. Cole Motor Car Co. No. 119,662; Dec. 11; v. 245; p. 546.
- Automobiles. Darling Motor Company. No. 118,864; Oct. 9; v. 243; p. 519.
- Automobiles. Elgin Motor Car Corporation. No. 115,318; Feb. 6; v. 235; p. 318.
- Automobiles. Harroun Motors Corporation. No. 119,708; Dec. 11; v. 245; p. 547.
- Automobiles. E. Landgren. No. 115,352; Feb. 6; v. 235; p. 319.
- Automobiles. Liberty Motor Car Company. No. 118,420; Sept. 4; v. 242; p. 250.
- Automobiles. Oakland Motor Car Co. of Michigan. No. 118,565; Sept. 18; v. 242; p. 745.
- Automobiles. The Owen Magnetic Car Co. of Philadelphia. No. 118,806; Oct. 2; v. 243; p. 237.
- Automobiles. Premier Motor Corporation. No. 117,918; Aug. 7; v. 241; p. 296.
- Automobiles. G. L. Thompson. No. 115,036; Jan. 16; v. 234; p. 1042.
- Automobiles. The Winton Company. No. 118,455; Sept. 4; v. 242; p. 255.
- Automobiles and automobile-trucks. Chicago Pneumatic Tool Company. No. 116,595; May 15; v. 238; p. 975.
- Automobiles and motor-cars. The Denneen Motor Company. No. 118,756; Oct. 2; v. 243; p. 236.
- Automobiles, bodies, running-gears, chassis, Electrically-self-propelled. Ford Motor Company. No. 119,956; Dec. 25; v. 245; p. 1021.
- Automobiles connected with the ignition systems, Repair parts for. The Hill-Smith Metal Goods Co. No. 115,963; Mar. 27; v. 236; p. 1216.
- Automobiles, motor-cycles, bicycles, automotor-cycles. The Tire Store. No. 119,401; Nov. 13; v. 244; p. 562.
- Automobiles, Trailer-truck for attachment to. M. R. D. Owings. No. 119,209; Oct. 30; v. 243; p. 1306.
- Axes, hatchets, scythes, hammers, and handles for axes, &c. Kelly Axe Manufacturing Company. No. 119,899; Dec. 18; v. 245; p. 840.
- Baby-jumpers. C. R. Patten & Co. No. 115,381; Feb. 6; v. 235; p. 320.
- Bacon. Armstrong Packing Company. No. 118,373; Sept. 4; v. 242; p. 249.
- Bacon. International Provision Co. No. 117,563; July 17; v. 240; p. 937.
- Bacon and hams. Armour and Company. No. 115,054; Jan. 23; v. 234; p. 1307.
- Bacon, Breakfast-. John Morrell & Co. Nos. 116,541-2; May 8; v. 238; p. 646.
- Bacon, Breakfast-. John Morrell & Co. No. 116,674; May 15; v. 238; p. 978.
- Bacon, Sugar-cured. Armstrong Packing Company. No. 119,027; Oct. 23; v. 243; p. 1059.
- Bactericide, Astringent. The Alvatone Laboratories. No. 117,805; Aug. 7; v. 241; p. 293.
- Bacteriolysin for distemper and other animal complaints. W. Duncan. No. 118,505; Sept. 18; v. 242; p. 743.
- Bag, Folding shopping-. Sears, Roebuck and Co. No. 117,211; June 19; v. 239; p. 937.
- Bag, trunk, &c., fittings, Traveling-. Wm. Greulich & Sons. No. 116,759; May 22; v. 238; p. 1325.
- Bags. Chase Bag Co. No. 114,944; Jan. 16; v. 234; p. 1040.
- Bags, Feed-. G. Cipriano. No. 115,735; Mar. 6; v. 236; p. 277.
- Bags, Peanut-. Holcomb & Hoke Mfg. Co. No. 116,766; May 22; v. 238; p. 1326.
- Baggage-carriers used as attachments to vehicles. Beaver Motor Devices Co. No. 118,377; Sept. 4; v. 242; p. 249.
- Baggage, horse equipments, portfolios, and pocket-books, Certain named. Goldman Costume Company. No. 118,768; Oct. 2; v. 243; p. 236.
- Baggage, horse equipments, portfolios, and pocket-books, Certain named. Martins Birmingham Limited. No. 119,230; Nov. 6; v. 244; p. 287.
- Baggage—namely, trunks, suitcases, &c. Berg Auto Trunk & Specialty Co. No. 118,741; Oct. 2; v. 243; p. 235.
- Baking-powder. Commercial Importing Co. No. 116,291; Apr. 24; v. 237; p. 1213.
- Baking-powder. The Fitts Manufacturing Company. No. 119,290; Nov. 13; v. 244; p. 558.
- Baking-powder. Monroe Drug Company. Nos. 114,806-7; Jan. 2; v. 234; p. 371.
- Baking-powder. G. L. Neff. No. 119,353; Nov. 13; v. 244; p. 560.
- Baking-powder. Ridenour-Baker Grocery Company. Nos. 119,374-5; Nov. 13; v. 244; p. 561.
- Baking-powder, ammonia, bluing. The Fitts Manufacturing Company. No. 119,522; Nov. 27; v. 244; p. 1082.
- Baking-powders. T. L. Evans. No. 116,048; Apr. 3; v. 237; p. 305.
- Ball bats, Base-. Hillerich & Bradsby Company. No. 119,076; Oct. 23; v. 243; p. 1061.
- Ball-bearings and parts thereof. Gurney Ball Bearing Company. Nos. 119,529-30; Nov. 27; v. 244; p. 1082.
- Balls, clubs, and bags, Golf. Wm. Filene's Sons Company. No. 117,537; July 17; v. 240; p. 936.
- Balls for ball and tube mills. Los Angeles Foundry Company. No. 114,896; Jan. 9; v. 234; p. 668.
- Balls, Golf-. The India-Rubber, Gutta Percha & Telegraph Works Company. No. 116,220; Apr. 17; v. 237; p. 913.
- Balls, Golf-. The India Rubber, Gutta Percha, and Telegraph Works Co. Nos. 118,189-92; Aug. 21; v. 241; pp. 906-7.
- Balls, Golf-. John Wanamaker, New York. Nos. 115,826-7; Mar. 6; v. 236; p. 280.
- Balls, Golf-. Martins Birmingham Limited. No. 115,896; Mar. 20; v. 236; p. 885.
- Balls, Golf-. The Worthington Ball Company. No. 115,831; Mar. 6; v. 236; p. 280.
- Balls, Golf-. The Worthington Ball Company. No. 116,264; Apr. 17; v. 237; p. 915.
- Balls, Golf-. The Worthington Ball Company. No. 117,625; July 17; v. 240; p. 938.
- Balls, Play-. The Gregory Rubber Co. No. 118,179; Aug. 21; v. 241; p. 906.
- Balls, Tennis-. The Seamless Rubber Company. No. 116,923; June 5; v. 239; p. 314.
- Balloons. The Miller Rubber Company. No. 117,771; July 31; v. 240; p. 1446.
- Balm for external use for the alleviation of skin affections. J. H. Nieman. No. 117,905; Aug. 7; v. 241; p. 296.
- Balsam for burns, scalds, cuts, all infected wounds, &c., Non-poisonous. G. Schmitt. No. 116,160; Apr. 10; v. 137; p. 618.
- Banana-ripeners and gas-heaters. Illinois Specialty Manufacturing Co. No. 118,780; Oct. 2; v. 243; p. 236.
- Bananas. Estes and Son. No. 117,031; June 12; v. 239; p. 651.
- Barley and pearl-barley, Specially-prepared. Barley Foods Co. No. 116,395; May 1; v. 238; p. 305.
- Barley, Prepared. Keen, Robinson & Company Limited. No. 115,969; Mar. 27; v. 236; p. 1216.
- Barley, Specially-prepared. Barley Foods Co. No. 116,274; Apr. 24; v. 237; p. 1213.
- Barrettes. Pacific Novelty Company. No. 116,975; June 5; v. 239; p. 316.
- Baskets, tills for shipping fruits and vegetables, and crates, Wooden. Virginia Manufacturing Co. No. 115,905; Mar. 20; v. 236; p. 886.
- Bates for leather industries. Dr. G. Eberle & Cie. No. 119,283; Nov. 13; v. 244; p. 558.
- Bath-cabinets. J. A. Solomon. No. 118,712; Sept. 25; v. 242; p. 990.
- Bath-robcs, house-dresses, kimonos, negligees, and bathingsuits. M. Cooper. No. 116,204; Apr. 17; v. 237; p. 913.
- Bath-tub seats, shelf rails and brackets, robe and spray hooks. J. P. Eustis Manufacturing Company. No. 116,420; May 1; v. 238; p. 306.
- Bathing-suits and sweaters. D. Nusbaum & Co. No. 117,054; June 12; v. 239; p. 652.
- Bathing-suits and swimming-tights of all descriptions, knitted and fabric. H. Mayer. No. 118,206; Aug. 21; v. 241; p. 907.
- Batteries. A. H. Berry. No. 116,579; May 15; v. 238; p. 975.
- Batteries and castings thereof, Electric-flash-light. Novo Manufacturing Co. No. 115,992; Mar. 27; v. 236; p. 1217.
- Batteries and flash-lights, Electric. Columbia Electric Novelty Corporation. No. 116,943; June 5; v. 239; p. 315.
- Batteries, Dry. Western Dry Battery Co. No. 116,727; May 15; v. 238; p. 979.
- Batteries, Electric. Burgess Battery Company. No. 117,575; July 17; v. 240; p. 935.
- Batteries, Electric. Burgess Battery Company. Nos. 117,995-6; Aug. 14; v. 241; pp. 615-16.
- Batteries, Electric. Gould Storage Battery Co. No. 117,547; July 17; v. 240; p. 936.
- Batteries, Electric. The Usona Manufacturing Company. No. 118,115; Aug. 14; v. 241; p. 619.
- Batteries, generators, and switchboards. Elite Electric Co. No. 118,642; Sept. 25; v. 242; p. 988.
- Batteries or accumulators, their parts and supplies, Electric storage. The Electric Storage Battery Company. No. 115,849; Mar. 13; v. 236; p. 591.
- Battery plates, Storage-. General Lead Batteries Company. No. 117,134; June 19; v. 239; p. 934.
- Batteries, Storage. Paul M. Marko & Co. No. 119,904; Dec. 18; v. 245; p. 840.
- Battery, Dry. Gold Seal Battery & Electric Co. No. 115,826; Feb. 6; v. 235; p. 319.

Alphabetical list of trade-marks—Continued

- Battery-jars. India Rubber Company. No. 115,617; Feb. 27; v. 235; p. 1350.
- Beakers, flasks, and other glass containers. Kimble Glass Co. No. 117,670; July 24; v. 240; p. 1162.
- Beakers, flasks, and other glass containers. Kimble Glass Co. No. 117,764; July 31; v. 240; p. 1446.
- Bearings and bushings. General Aluminum & Brass Manufacturing Company. No. 114,880; Jan. 9; v. 234; p. 668.
- Beds and cribs. Greenpoint Metallic Bed Company. Nos. 117,551-2; July 17; v. 240; p. 936.
- Bed and douche pans. Meinecke & Company. No. 115,646; Feb. 27; v. 235; p. 1351.
- Beds, cribs, bed-springs, cots, iron and brass. Crescent Bed Co. No. 118,863; Oct. 9; v. 243; p. 519.
- Beds, cribs, couches, tables, chairs, &c. The Rorheimer-Brooks Studios Company. No. 117,608; July 17; v. 240; p. 938.
- Beds, mattresses, bed-springs. M. Lipps. No. 114,996; Jan. 16; v. 234; p. 1041.
- Beds, Rail-brackets for. The C. T. Streit Mfg. Co. No. 119,817; Dec. 11; v. 245; p. 551.
- Bedbug-destroyer. B. Heller & Co. No. 118,526; Sept. 18; v. 242; p. 744.
- Bedspreads, Cotton. Italian Bed Spread Co. No. 114,888; Jan. 9; v. 234; p. 668.
- Beef extract. John Morrell & Co. No. 117,901; Aug. 7; v. 241; p. 296.
- Beer. The Cleveland & Sandusky Brewing Company. No. 119,660; Dec. 11; v. 245; p. 546.
- Beer. T. O. Dixon. No. 114,725; Jan. 2; v. 234; p. 368.
- Beer. Gips Brewing Co. No. 115,956; Mar. 27; v. 236; p. 1216.
- Beer. M. K. Goetz Brewing Co. Nos. 115,080-1; Jan. 23; v. 234; p. 1308.
- Beer. G. L. Harbauer. No. 115,760; Mar. 6; v. 236; p. 278.
- Beer. Piel Bros. No. 115,798; Mar. 6; v. 236; p. 279.
- Beer. A. Schreiber Brewing Co. No. 117,611; July 17; v. 240; p. 938.
- Beer. United Breweries Co. No. 117,000; June 5; v. 239; p. 316.
- Beer, ale, stout, extracts, and liquors brewed from malt. Goldman Costume Company. No. 117,313; July 3; v. 240; p. 334.
- Beer-clarifying preparation. G. Rottenkolber. No. 117,710; July 24; v. 240; p. 1163.
- Beer, Lager-. P. Ballantine & Sons. No. 119,244; Nov. 13; v. 244; p. 557.
- Beer, Lager-. The Salt Lake City Brewing Co. No. 116,860; May 29; v. 238; p. 1636.
- Beer, Near. The Neef Bros. Brewing Company. No. 118,688; Sept. 25; v. 242; p. 989.
- Beer-receptacles, Material for coating the interior of wooden. Hirsh & Schofield. No. 117,323; July 3; v. 240; p. 334.
- Beeswax. American Sugar Company. No. 115,429; Feb. 13; v. 235; p. 691.
- Bells and horns, Electrical signal and alarm. A. T. Poehlmann. No. 118,694; Sept. 25; v. 242; p. 989.
- Belt, brake-lining, clutch, &c., dressing. G. W. Campbell. No. 118,951; Oct. 16; v. 243; p. 789.
- Belt-cement, Adhesive. Chas. A. Schieren Company. No. 117,610; July 17; v. 240; p. 938.
- Belt-dressing. W. M. Lawyer. No. 115,095; Jan. 23; v. 234; p. 1308.
- Belt-dressing to prevent slipping. J. Ryan. No. 117,363; July 3; v. 240; p. 335.
- Belts, Men's. Columbia Leather Goods Mfg. Co. No. 118,887; Sept. 4; v. 242; p. 249.
- Belts, Men's. Columbia Leather Goods Mfg. Co. No. 119,510; Nov. 27; v. 244; p. 1081.
- Belting. Higrade Belting & Weaving Co. No. 119,190; Oct. 30; v. 243; p. 1306.
- Belting and laces therefor, washers, gaskets, &c., Leather. The National Supply Company. No. 119,752; Dec. 11; v. 245; p. 549.
- Belting and machinery packing, Leather. Chas. A. Schieren Company. No. 118,224; Aug. 21; v. 241; p. 908.
- Belting, Canvas. R. L. Ream. No. 118,997; Oct. 16; v. 243; p. 790.
- Belting, Canvas, rubber, leather, and combination canvas and rubber. Hudson Mechanical Rubber Co. No. 117,147; June 19; v. 239; p. 935.
- Belting formed of textile fabric, Machinery-. W. D. Allen Manufacturing Company. No. 116,933; June 5; v. 239; p. 315.
- Belting, hose, and machinery packing made of rubber and cotton. The Manhattan Rubber Mfg. Co. No. 114,795; Jan. 2; v. 234; p. 370.
- Belting, hose, machinery packing, and non-metallic tires. The Combination Rubber Mfg. Co. No. 118,161; Aug. 21; v. 241; p. 906.
- Belting, hose, machinery packing, and non-metallic tires. The Mutual Motor Stores Company. No. 118,989; Oct. 16; v. 243; p. 790.
- Belting, hose, machinery packing, and non-metallic tires, Certain. Thermoid Rubber Company. No. 118,447; Sept. 4; v. 242; p. 251.
- Belting, hose, machinery packing, &c., Certain named. The Cincinnati Rubber Manufacturing Company. Nos. 114,706-9; Jan. 2; v. 234; p. 368.
- Belting, hose, tubing, packing, gaskets, and washers. The National Supply Company. No. 118,561; Sept. 18; v. 242; p. 745.
- Belting, lacing, valves, and washers, Certain named. J. E. Rhoads & Sons. Nos. 118,221-2; Aug. 21; v. 241; p. 907.
- Belting, Leather. Penn Leather Company. No. 118,810; Oct. 2; v. 243; p. 237.
- Belting, Leather. L. A. Raniville. No. 116,978; June 5; v. 239; p. 316.
- Belting, Leather. Chas. A. Schieren Company. No. 115,230; Jan. 30; v. 234; p. 1579.
- Belting of rubber and fabric. Gutta Percha & Rubber Manufacturing Company, The. Nos. 119,703-4; Dec. 11; v. 245; p. 547.
- Belting of rubber and fabric, Machinery-. New York Belting and Packing Company. Nos. 115,788-9; Mar. 6; v. 236; p. 279.
- Belting, Power-transmission leather. Philadelphia Belting Co. No. 118,811; Oct. 2; v. 243; p. 237.
- Belting, Rubber and cotton. The Manhattan Rubber Mfg. Co. No. 114,797; Jan. 2; v. 234; p. 371.
- Belting, Textile. D. P. Brown & Co. No. 117,821; Aug. 7; v. 241; p. 293.
- Belting, Textile, fiber, rubber, and balata. Higrade Belting & Weaving Co. Nos. 117,862-4; Aug. 7; v. 241; p. 294.
- Belting, Woven machinery-. Jewell Belting Co. No. 119,321; Nov. 13; v. 244; p. 559.
- Beltings, Canvas, rubber, leather, and combination canvas and rubber. Hudson Mechanical Rubber Company. No. 115,763; Mar. 6; v. 236; p. 278.
- Benches and stools and music-cabinets, Piano. Lyon & Healy. No. 116,659; May 15; v. 238; p. 977.
- Benzaldehyde. Fries & Fries. No. 115,501; Feb. 20; v. 235; p. 1050.
- Beverage, a soft drink, Non-alcoholic. Lexington Brewing Company. No. 115,639; Feb. 27; v. 235; p. 1351.
- Beverage and syrup for making same, Non-alcoholic carbonated. Randolph Rose Co. No. 119,790; Dec. 11; v. 245; p. 550.
- Beverage and syrup for making same, Non-alcoholic maltless carbonated. C. J. Huelsenkamp. No. 119,453; Nov. 20; v. 244; p. 814.
- Beverage and syrup for making the same, Non-alcoholic carbonated. Pacific Extract Co. No. 116,233; Apr. 17; v. 237; p. 914.
- Beverage and syrup for the manufacture of same, Carbonated. Virginia Beverage Corporation. No. 115,904; Mar. 20; v. 236; p. 886.
- Beverage and syrup for the manufacture of same, Non-alcoholic. The Quaker Kola Company. No. 118,090; Aug. 14; v. 241; p. 618.
- Beverage brewed of malt and other cereals, Non-alcoholic. S. Liebmann's Sons Brewing Company. No. 119,332; Nov. 13; v. 244; p. 559.
- Beverage, Cereal. East St. Louis-New Athens Brewing Co. No. 116,298; Apr. 24; v. 237; p. 1214.
- Beverage composed mainly of fruit-juices, Non-alcoholic. J. von Epler. No. 119,220; Oct. 30; v. 243; p. 1307.
- Beverage, Concentrated lime-juice. Nyal Company. No. 119,201; Oct. 30; v. 243; p. 1306.
- Beverage, Food. S. De Bonis. No. 117,424; July 10; v. 240; p. 635.
- Beverage-forming food product. A. Horlick. No. 116,321; Apr. 24; v. 237; p. 1214.
- Beverage in the nature of a soft drink, Non-alcoholic. St. Louis Soluble Tea & Coffee Company. No. 117,790; July 31; v. 240; p. 1446.
- Beverage, Loganberry. Featherston Products Company. No. 116,210; Apr. 17; v. 237; p. 913.
- Beverage made from a compound of malt, hops, and cereals. Münch Brewery Bottling Dept. No. 116,544; May 8; v. 238; p. 646.
- Beverage, Malt. Ruff's Brewing Co. No. 115,900; Mar. 20; v. 236; p. 885.
- Beverage, Malt. The Standard Brewery. No. 119,809; Dec. 11; v. 245; p. 551.
- Beverage, Non-alcoholic. Hemrich Bros. Brewing Co. No. 115,962; Mar. 27; v. 236; p. 1216.
- Beverage, Non-alcoholic artificially-carbonated. Pabst Brewing Company. No. 118,470; Sept. 11; v. 242; p. 513.
- Beverage, Non-alcoholic carbonated. Majestic Bottling Co. No. 119,197; Oct. 30; v. 243; p. 1306.
- Beverage, Non-alcoholic cereal. Theo. Hamm Brewing Company. No. 115,183; Jan. 30; v. 234; p. 1578.
- Beverage, Non-alcoholic malt. Popel-Giller Co. No. 116,235; Apr. 17; v. 237; p. 914.
- Beverage, Non-alcoholic maltless tonic. Fritts & Wiehl Company. No. 118,173; Aug. 21; v. 241; p. 906.
- Beverage, Non-intoxicating cereal. Anheuser-Busch Brewing Association. No. 116,197; Apr. 17; v. 237; p. 913.
- Beverage, Non-intoxicating cereal. Galveston Brewing Association. No. 119,691; Dec. 11; v. 245; p. 547.
- Beverage, Non-intoxicating cereal. Puro Beverage Co. No. 119,788; Dec. 11; v. 245; p. 550.
- Beverage, Non-intoxicating cereal. Temperance Beverage Company. No. 117,713; July 24; v. 240; p. 1163.
- Beverage of a malt nature, Non-intoxicating. John B. Busch Brewing Co. No. 118,950; Oct. 16; v. 243; p. 789.

- Beverage of a malt nature of the kind known as soft drinks, Non-intoxicating. Griesedieck Beverage Company. No. 118,770; Oct. 2; v. 243; p. 236.
- Beverage sold as a soft drink, Cereal. Anzac Company. Nos. 117,085-7; June 19; v. 239; p. 933.
- Beverage sold as a soft drink, Cereal food. M. K. Goetz Brewing Co. No. 115,959; Mar. 27; v. 236; p. 1216.
- Beverage sold as a soft drink, Non-alcoholic. Drink and Be Sober Co. No. 118,867; Oct. 9; v. 243; p. 519.
- Beverage sold as a soft drink, Non-alcoholic. Fitger Brewing Co. Nos. 117,538-9; July 17; v. 240; p. 936.
- Beverage sold as a soft drink, Non-alcoholic. Omaha Beverage Company. No. 116,974; June 5; v. 239; p. 316.
- Beverage sold as a soft drink, Non-alcoholic. Jos. Schlitz Brewing Co. No. 116,685; May 15; v. 238; p. 978.
- Beverage sold as a soft drink, Non-alcoholic. F. H. Settele. No. 117,480; July 10; v. 240; p. 637.
- Beverage sold as a soft drink, Non-alcoholic cereal. Suffolk Brewing Company. No. 117,486; July 10; v. 240; p. 637.
- Beverage sold as a soft drink, Non-intoxicating. Fremont Brewing Company. No. 119,293; Nov. 13; v. 244; p. 558.
- Beverage sold as a soft drink, Non-intoxicating carbonated. Beadleston & Woerz. No. 119,423; Nov. 20; v. 244; p. 813.
- Beverage sold as a soft drink, Non-intoxicating cereal. Willow Springs Brewing Co. No. 117,014; June 5; v. 239; p. 317.
- Beverage sold as a soft drink, Non-intoxicating malt. Milo Brewing Co. No. 118,469; Sept. 11; v. 242; p. 513.
- Beverage sold as a soft drink, Non-intoxicating non-alcoholic. Omaha Beverage Company. No. 119,203; Oct. 30; v. 243; p. 1306.
- Beverage sold as a soft drink, Tonic cereal. M. K. Goetz Brewing Co. No. 119,297; Nov. 13; v. 244; p. 558.
- Beverage to be sold as a soft drink, Maltless. Frank Jones Brewing Co. No. 118,506; Sept. 18; v. 242; p. 744.
- Beverage to be sold as a soft drink, Non-alcoholic. E. S. Eby. No. 114,873; Jan. 9; v. 234; p. 667.
- Beverage to be sold as a soft drink, Non-alcoholic. D. W. Stiles. No. 115,868; Mar. 13; v. 236; p. 592.
- Beverage to be sold as a soft drink, Non-alcoholic carbonated. Colfax Bottling Works. No. 116,823; May 29; v. 238; p. 1635.
- Beverage to be sold as a soft drink, Non-alcoholic carbonated. W. B. Crane & Company. No. 115,593; Feb. 27; v. 235; p. 1349.
- Beverage to be sold as a soft drink, Non-alcoholic carbonated. F. Hoffman & Sons. No. 115,853; Mar. 13; v. 236; p. 591.
- Beverage to be sold as a soft drink, Non-alcoholic carbonated tonic. Buckhorn Lithia Water Co. No. 118,492; Sept. 18; v. 242; p. 743.
- Beverage to be sold as a soft drink, Non-intoxicating malt. St. Joseph Brewing Co. No. 119,477; Nov. 20; v. 244; p. 814.
- Beverages. National Brewing Company. No. 119,105; Oct. 23; v. 243; p. 1061.
- Beverages and syrups used in the making thereof, Non-alcoholic. S. C. Allen. No. 115,472; Feb. 20; v. 235; p. 1049.
- Beverages, Brewed malt. Hinckel Brewery Company. No. 116,900; June 5; v. 239; p. 314.
- Beverages, Certain named non-alcoholic. P. Ballantine & Sons. No. 119,029; Oct. 23; v. 243; p. 1059.
- Beverages, Certain named non-alcoholic. P. Ballantine & Sons. No. 119,863; Dec. 18; v. 245; p. 839.
- Beverages, Certain named non-alcoholic. Chippewa Springs Corporation. No. 119,429; Nov. 20; v. 244; p. 813.
- Beverages, Certain named non-alcoholic. Goldman Costume Company. No. 117,314; July 3; v. 240; p. 334.
- Beverages, Certain named non-alcoholic. The Mihalovitch Brothers Company. No. 116,341; Apr. 24; v. 237; p. 1215.
- Beverages for soft drinks, Non-alcoholic. Lexington Brewing Company. No. 119,738; Dec. 11; v. 245; p. 548.
- Beverages, Non-alcoholic. Obermeyer & Liebmann. No. 115,792; Mar. 6; v. 236; p. 279.
- Beverages, Non-alcoholic carbonated. Chicago Consolidated Bottling Company. No. 114,871; Jan. 9; v. 234; p. 667.
- Beverages, Non-alcoholic carbonated. Columbia Brewing Co. No. 116,121; Apr. 10; v. 237; p. 617.
- Beverages, Non-alcoholic carbonated. E. Diehl. No. 116,829; May 29; v. 238; p. 1635.
- Beverages, non-alcoholic, sold as a soft cola drink. J. W. Brown. No. 116,285; Apr. 24; v. 237; p. 1213.
- Beverages, Non-intoxicating cereal. Galveston Brewing Association. No. 119,437; Nov. 20; v. 244; p. 813.
- Beverages, Non-intoxicating malt. A. G. Van Nostrand. No. 115,702; Feb. 27; v. 235; p. 1353.
- Beverages, Non-intoxicating malt or cereal. Quinn & Nolan Beverwyck Brewing Company. No. 119,916; Dec. 18; v. 245; p. 841.
- Beverages, Non-intoxicating vinous. The Alcoholic Wine Co. No. 119,620; Dec. 11; v. 245; p. 545.
- Beverages put up in bottles, kegs, and barrels, Non-alcoholic. C. F. P. Korssell. No. 114,891; Jan. 9; v. 234; p. 668.
- Beverages sold and used as soft drinks, Non-alcoholic effervescent. The Geo. Wiedemann Brewing Company. No. 117,497; July 10; v. 240; p. 638.
- Beverages sold as a soft drink. Normandie Co. Nos. 119,231-2; Nov. 6; v. 244; p. 287.
- Beverages sold as soft drinks and extracts and syrups for making same, Non-alcoholic and non-carbonated. The Schuster Company. No. 118,225; Aug. 21; v. 241; p. 908.
- Beverages sold as soft drinks, Cereal. The Peter Schoenhofen Brewing Company. No. 116,686; May 15; v. 238; p. 978.
- Beverages sold as soft drinks, Non-alcoholic. New Orleans Bottling Co. No. 117,582; July 17; v. 240; p. 937.
- Beverages sold as soft drinks, Non-alcoholic cereal. Houston Ice & Brewing Association. No. 119,313; Nov. 13; v. 244; p. 559.
- Beverages sold as soft drinks, Non-alcoholic maltless. The Syrup Products Company. No. 118,924; Oct. 9; v. 243; p. 521.
- Beverages sold at soda-fountains as soft drinks. John F. Oertel Company. No. 119,234; Nov. 6; v. 244; p. 287.
- Beverages to be sold as a soft drink, Non-alcoholic. Hemrich Bros. Brewing Co. No. 117,557; July 17; v. 240; p. 936.
- Bibs and cocks or faucets. The Haydenville Company. No. 115,448; Feb. 13; v. 235; p. 691.
- Bicycles. Southern Hardware & Bicycle Company. No. 118,343; Aug. 28; v. 241; p. 1153.
- Bicycles. Swedish Separator Co. No. 118,832; Oct. 2; v. 243; p. 238.
- Bicycles. Weaver-Ebling Automobile Co. No. 118,361; Aug. 28; v. 241; p. 1154.
- Billiard-cloth. The Brunswick-Balke-Collender Co. No. 115,063; Jan. 23; v. 234; p. 1307.
- Billiard-hall furniture. International-Billiard Table Company. No. 117,763; July 31; v. 240; p. 1446.
- Biscuit. National Biscuit Company. No. 116,347; Apr. 24; v. 237; p. 1215.
- Biscuit. National Biscuit Company. No. 117,462; July 10; v. 240; p. 637.
- Biscuit. National Biscuit Company. No. 118,318; Aug. 28; v. 241; p. 1153.
- Biscuit. National Biscuit Company. No. 119,200; Oct. 30; v. 243; p. 1306.
- Biscuit. National Biscuit Company. No. 119,751; Dec. 11; v. 245; p. 549.
- Biscuit. Virginia Baking Co. No. 118,449; Sept. 4; v. 242; p. 251.
- Biscuit, Package. W. H. Shaw. No. 117,858; Aug. 7; v. 241; p. 294.
- Biscuits. W. J. Hellstern. No. 118,411; Sept. 4; v. 242; p. 250.
- Biscuits. Pacific Coast Biscuit Company. No. 117,055; June 12; v. 239; p. 652.
- Bits. The Lebanon Machine Company. No. 114,988; Jan. 16; v. 234; p. 1041.
- Bits, spurs, stirrups, and saddlery hardware. August Buermann Manufacturing Company. No. 115,295; Feb. 6; v. 235; p. 318.
- Bitters, cordials, and tonics, cognac, and ginger and brandy, Alcoholic. Lasso Specialty Co. No. 119,457; Nov. 20; v. 244; p. 814.
- Bitters, Stomach. Cornhauser Co. No. 119,270; Nov. 13; v. 244; p. 558.
- Bitumen, Raw or partly-prepared. The Anglo-Mexican Petroleum Products Co. Ltd. No. 114,675; Jan. 2; v. 234; p. 367.
- Blackboards and similar boards for writing purposes. The Beaver Company. No. 117,093; June 19; v. 239; p. 933.
- Blacking, Core. The Hill & Griffith Co. No. 118,298; Aug. 28; v. 241; p. 1152.
- Blankets. Smith, Hogg & Co. No. 115,815; Mar. 6; v. 236; p. 280.
- Blankets, Pure cotton. Nashua Manuf'g Company. No. 118,908; Oct. 9; v. 243; p. 521.
- Blankets, sheets, dusters, &c. for horses, cows, and other animals. L. C. Chase & Company. No. 119,041; Oct. 23; v. 243; p. 1060.
- Bleaching and cleaning compounds. Charles McAdam Co. No. 115,525; Feb. 20; v. 235; p. 1050.
- Bleaching and water-softening compound. National Milling and Chemical Co. No. 115,786; Mar. 6; v. 236; p. 279.
- Bleaching and water-softening compound. Zip Co. No. 116,735; May 15; v. 238; p. 980.
- Bleaching, bluing, and starching agent in cake form for use in washing clothes. The Stevens-Wiley Manfg. Co. No. 119,925; Dec. 18; v. 245; p. 841.
- Blood-albumins. Chas. Morningstar & Co. No. 118,316; Aug. 28; v. 241; p. 1153.
- Blood-purifier. Natski Medicine Company. No. 115,787; Mar. 6; v. 236; p. 279.
- Blouses and middy-blouse dresses. Middy. Shapiro Brothers. No. 115,239; Jan. 30; v. 234; p. 1580.
- Blouses and sport-coats, Ladies'. Samek & Lobel. No. 116,922; June 5; v. 239; p. 314.
- Blouses, coats, skirts, and bloomers. Women's and children's. Morris & Co. No. 117,347; July 3; v. 240; p. 335.
- Blouses, Middy. W. C. Weiller. No. 115,129; Jan. 23; v. 234; p. 1309.

Alphabetical list of trade-marks—Continued.

- Blouses, waists, rompers, play-suits, shirts. Elder Manufacturing Company. No. 114,956; Jan. 16; v. 234; p. 1040.
- Blue, Laundry. A. M. Collenberg. No. 119,265; Nov. 13; v. 244; p. 557.
- Blues, Laundry. The Standard Ultramarine Co. Nos. 119,811-13; Dec. 11; v. 245; p. 551.
- Bluing, ammonia, baking-powder, &c. Sherer-Gillett Company. No. 115,403; Feb. 6; v. 235; p. 321.
- Bluing and ammonia. Smith & Horton Co. No. 119,129; Oct. 23; v. 243; p. 1062.
- Bluing for laundry purposes. T. F. Meyer. No. 117,690; July 24; v. 240; p. 1163.
- Board used in the manufacture of boxes and products made from same, Corrugated and fiber. Mid-West Box Company. No. 116,668; May 15; v. 238; p. 978.
- Board, Wall. The Beaver Board Companies. No. 115,479; Feb. 20; v. 235; p. 1049.
- Boards, Fiber building-. Fireproof Fibre Building Boards Limited. No. 114,960; Jan. 16; v. 234; p. 1040.
- Boats having a subhull. S. Golden. No. 119,525; Nov. 27; v. 244; p. 1082.
- Bodkins, Prophylactic. J. J. Sarrazin. No. 118,333; Aug. 28; v. 241; p. 1153.
- Boiler-cleaning appliances. Diamond Power Specialty Company. Nos. 116,044-5; Apr. 3; v. 237; p. 305.
- Boilers and radiators for steam and hot-water heat, Cast-iron. National Radiator Company. No. 118,992; Oct. 16; v. 243; p. 790.
- Bollers, Water-tube. The Roberts Safety Water Tube Boiler Co. No. 116,792; May 22; v. 238; p. 1326.
- Bolts, Expansion-. Diamond Expansion Bolt Co. No. 119,884; Dec. 18; v. 245; p. 840.
- Bolts, Toggle-. Rubly Company. No. 115,668; Feb. 27; v. 235; p. 1352.
- Bolts, Toggle-. U. S. Expansion Bolt Co. No. 118,836; Oct. 2; v. 243; p. 238.
- Booklet, Medicine-. M. Hoza. No. 118,188; Aug. 21; v. 241; p. 906.
- Booklets and circulars for advertising a collection-service. B. A. Javitz. No. 117,152; June 19; v. 239; p. 935.
- Books, advertising-circulars, testimonial-sheets, catalogues, Lesson and lecture. The Tulloss School Company. No. 117,717; July 24; v. 240; p. 1163.
- Books and advertising-booklets, Instruction-. School of Applied Art. No. 115,670; Feb. 27; v. 235; p. 1352.
- Books and circulars. Benziger Brothers. No. 115,432; Feb. 13; v. 235; p. 691.
- Books and musical works, Printed. The A. P. Schmidt Co. No. 115,231; Jan. 30; v. 234; p. 1580.
- Books and pamphlets, Printed. The Wild Gardens of Acadia. No. 118,840; Oct. 2; v. 243; p. 238.
- Books and writing-paper, Blank. National Blank Book Co. No. 115,530; Feb. 20; v. 235; p. 1051.
- Books, booklets, circulars, pamphlets, and posters, Printed. The Third National Bank of St. Louis, Missouri. No. 118,241; Aug. 21; v. 241; p. 908.
- Books containing deposit-slips to be issued to members of a savings-club. Exchange Trust Company. No. 115,178; Jan. 30; v. 234; p. 1578.
- Books, Guide-. The Automobile Route Book Company. No. 117,947; Aug. 7; v. 241; p. 297.
- Books, Printed. T. W. Burgess. No. 117,639; July 24; v. 240; p. 1161.
- Books, Series of. Grosset & Dunlap. No. 119,301; Nov. 13; v. 244; p. 558.
- Books, tablets, pads, and box-paper, Blank, account, and receipt. Smith Blank Book Co. No. 119,473; Nov. 20; v. 244; p. 814.
- Boot and shoe polishes and creams, saddle and harness paste. W. Wren & Co. No. 119,013; Oct. 16; v. 243; p. 791.
- Boot and shoe polishing and cleansing materials. C. L. Hawthaway. No. 119,075; Oct. 23; v. 243; p. 1061.
- Boot and shoe soles and heels formed of an artificial composition. The Goodyear Tire & Rubber Company. No. 116,519; May 8; v. 238; p. 645.
- Boots and shoes. Army Field Service Shoe Co. No. 118,137; Aug. 21; v. 241; p. 905.
- Boots and shoes. Bartels & Thelen Company. No. 119,866; Dec. 18; v. 245; p. 839.
- Boots and shoes. D. J. Cameron. Nos. 115,484-5; Feb. 20; v. 235; p. 1049.
- Boots and shoes. Larsen & Jensen. No. 119,087; Oct. 23; v. 243; p. 1061.
- Boots and shoes and boot and shoe soles of leather. Holland Shoe Co. No. 114,762; Jan. 2; v. 234; p. 369.
- Boots and shoes. Canvas. Woodbury Shoe Company. No. 117,073; June 12; v. 239; p. 652.
- Boots and shoes having fabric uppers and rubber soles. Boston Rubber Shoe Company. No. 115,835; Mar. 13; v. 236; p. 591.
- Boots and shoes, Leather. The Adams & Ford Company. No. 115,569; Feb. 27; v. 235; p. 1349.
- Boots and shoes, Leather. Cass & Daley Shoe Company. No. 117,247; June 26; v. 239; p. 1205.
- Boots and shoes, Leather. Foot. Schulze & Co. Nos. 114,738-9; Jan. 2; v. 234; p. 369.
- Boots and shoes, Leather. J. E. French Co. No. 117,434; July 10; v. 240; p. 636.
- Boots and shoes, Leather. F. M. Hoyt Shoe Company. No. 114,887; Jan. 9; v. 234; p. 668.
- Boots and shoes, Leather. Huiskamp Bros. Co. No. 114,765; Jan. 2; v. 234; p. 370.
- Boots and shoes, Leather. Lund-Mauldin Company. No. 115,523; Feb. 20; v. 235; p. 1050.
- Boots and shoes, Leather. C. O. Normandy. No. 118,913; Oct. 9; v. 243; p. 521.
- Boots and shoes, Leather and canvas. Velvet Grip Shoe Co. No. 117,007; June 5; v. 239; p. 317.
- Boots and shoes, Leather and textile. Liberty-Durgin Inc. No. 117,452; July 10; v. 240; p. 636.
- Boots and shoes, Leather, rubber, felt, &c. Geo. E. Keith Company. No. 114,890; Jan. 9; v. 234; p. 668.
- Boots and shoes made of certain materials and compositions. The Goodyear's Metallic Rubber Shoe Co. No. 119,892; Dec. 18; v. 245; p. 840.
- Boots and shoes made of certain named material. W. H. McElwain Company. No. 118,894; Oct. 9; v. 243; p. 520.
- Boots and shoes made of leather or cloth and leather. A. E. Little Co. No. 117,453; July 10; v. 240; p. 636.
- Boots and shoes made of leather, skins, and textiles. Tomahawk Shoe Co. No. 117,221; June 19; v. 239; p. 937.
- Boots and shoes made of rubber and canvas. Converse Rubber Shoe Co. No. 118,389; Sept. 4; v. 242; p. 249.
- Boots and shoes made partly or wholly of rubber, Certain named. The Beacon Falls Rubber Shoe Company. Nos. 117,977-8; Aug. 14; v. 241; p. 615.
- Boots and shoes, Men's and boys' leather. Wrock & Schueler. No. 118,936; Oct. 9; v. 243; p. 522.
- Boots and shoes, Men's and youths' leather. Noyes-Norman Shoe Co. No. 115,215; Jan. 30; v. 234; p. 1579.
- Boots and shoes, Men's, women's, and children's leather. A. Hinchuk & Co. No. 115,616; Feb. 27; v. 235; p. 1350.
- Boots and shoes of kid, leather, and canvas. The Kaut-Reith Shoe Company. No. 115,621; Feb. 27; v. 235; p. 1350.
- Boots and shoes of kid, leather, bearskin, and canvas. The Kaut-Reith Shoe Company. No. 117,445; July 10; v. 240; p. 636.
- Boots and shoes of leather, rubber, felt, &c. Thomas G. Plant Company. No. 115,658; Feb. 27; v. 235; p. 1351.
- Boots and shoes of rubber, leather, and canvas. United States Rubber Company. No. 115,701; Feb. 27; v. 235; p. 1353.
- Boots and shoes, Rubber, leather, and fabric. United States Rubber Company. No. 114,848; Jan. 2; v. 234; p. 372.
- Boots and shoes, Women's. Converse Rubber Shoe Co. No. 117,421; July 10; v. 240; p. 635.
- Boots, shoes, and boot and shoe soles of leather. Holland Shoe Co. No. 118,039; Aug. 14; v. 241; p. 617.
- Boots, shoes, and slippers. Buckingham & Hecht. No. 117,413; July 10; v. 240; p. 635.
- Boots, shoes, and slippers made of leather, rubber, or canvas. C. H. Wolfelt Co. No. 117,800; July 31; v. 240; p. 1447.
- Boots, shoes, and slippers, Women's misses', and children's. Faunce and Spinney. No. 114,876; Jan. 9; v. 234; p. 667.
- Boots, shoes, slippers, sandals, Leather and cloth. Timson Bros. No. 116,706; May 15; v. 238; p. 979.
- Bottle and the like closures. The Crown Cork and Seal Company of Baltimore City. No. 117,422; July 10; v. 240; p. 635.
- Bottle, jar, &c., closure-tops. United States Metal Cap & Seal Company. No. 115,041; Jan. 16; v. 234; p. 1042.
- Bottle-openers. The Crown Cork and Seal Co. of Baltimore City. No. 114,950; Jan. 16; v. 234; p. 1040.
- Bottle-openers. The Crown Cork and Seal Co. of Baltimore City. No. 115,312; Feb. 6; v. 235; p. 318.
- Bottle-stoppers and droppers, Combined. T. J. Snyder. No. 115,545; Feb. 20; v. 235; p. 1051.
- Bottle-washing machines. The S. S. Wenzell Machine Company. No. 116,186; Apr. 10; v. 237; p. 619.
- Bottle-washing machines. The S. S. Wenzell Machine Company. No. 116,869; May 29; v. 238; p. 1636.
- Bottle washing, rinsing, and capping machines and allied machinery, Certain named. Modern Machinery Co. No. 115,207; Jan. 30; v. 234; p. 1579.
- Bottles, Nursing-. H. C. Dunfee. No. 119,059; Oct. 23; v. 243; p. 1060.
- Bottles, Nursing-. Infants Specialty Company. No. 114,972; Jan. 16; v. 234; p. 1040.
- Bouillon-cubes and beef extracts. Hart & Company. No. 117,554; July 17; v. 240; p. 936.
- Bowls, Wooden nut and fruit. Parsons & Higgins. No. 117,779; July 31; v. 240; p. 1446.
- Boxes and packing-cases. Wirebounds Corporation. No. 115,427; Feb. 6; v. 235; p. 322.
- Boxes and trunks, valises, toilet-cases, traveling-bags, &c., Hat-. Cronch & Fitzgerald. No. 117,116; June 19; v. 239; p. 954.
- Boxes, Decorated. The Beaver Company. Nos. 115,875-6; Mar. 20; v. 236; p. 885.
- Boxes, Wire-bound. Pioneer Box Company. No. 119,770; Dec. 11; v. 245; p. 549.
- Bracelets, belt-buckles, link-buttons, lavallières, brooches. Batchelder Manufacturing Co. No. 115,874; Mar. 20; v. 236; p. 885.
- Braid, tape, fating-shuttles, &c. Carson, Pirie, Scott & Co. No. 119,946; Dec. 25; v. 245; p. 1021.

- Brakelining. Thermold Rubber Company. No. 118,833; Oct. 2; v. 243; p. 238.
- Brakelinings. S. Flory Mfg. Co. No. 119,182; Oct. 30; v. 243; p. 1305.
- Brakelinings. For use on. Standard Woven Fabric Company. No. 119,476; Nov. 20; v. 244; p. 814.
- Brakelinings. Staybestos Manufacturing Company. No. 117,215; June 19; v. 239; p. 937.
- Brakelinings and transmission-linings. Staybestos Manufacturing Company. No. 118,445; Sept. 4; v. 242; p. 251.
- Brandies. N. Koutroulos. No. 118,203; Aug. 21; v. 241; p. 907.
- Brandy. Raspberry. J. Finkelstein & Co. No. 116,423; May 1; v. 238; p. 306.
- Brandy, whiskies, cocktails, rum, &c. The Tebbetts & Garland Store. No. 116,378; Apr. 24; v. 237; p. 1216.
- Brans, meals, toasts, rusks, biscuits, crackers, cookies. Chicago Concentrated Food Co. No. 118,158; Aug. 21; v. 241; p. 905.
- Brass, copper, cupro-nickel, gilding metal, and German silver in sheets, &c. Stamford Rolling Mills Company. No. 115,683; Feb. 27; v. 235; p. 1352.
- Brassières. The Warner Brothers Company. No. 115,127; Jan. 23; v. 234; p. 1309.
- Brassières and children's underwaists. Kabo Corset Co. No. 115,891; Mar. 20; v. 236; p. 885.
- Brassières, ladies' underwaists, and corsets. Kops Bros. No. 118,051; Aug. 14; v. 241; p. 617.
- Bread. Davidson Baking Co. No. 117,027; June 12; v. 239; p. 651.
- Bread. Haller Baking Company. No. 118,408; Sept. 4; v. 242; p. 250.
- Bread. The H. Korn Baking Co. No. 117,567; July 17; v. 240; p. 937.
- Bread. Purity Baking Company. No. 117,607; July 17; v. 240; p. 938.
- Bread. Ward Baking Company. No. 115,706; Feb. 27; v. 235; p. 1353.
- Bread and a germinated breakfast food. B. Leibbrandt. No. 117,886; Aug. 7; v. 241; p. 295.
- Bread, biscuits, crackers, wafers, &c. A. Horlick. No. 115,965; Mar. 27; v. 236; p. 1216.
- Bread, cake, and crackers. Tasty Baking Company. No. 115,821; Mar. 6; v. 236; p. 280.
- Bread, Pumpernickel. R. Hellmann. No. 118,294; Aug. 28; v. 241; p. 1152.
- Bread, toast, and potato-starch. National Importing Co. No. 117,464; July 10; v. 240; p. 637.
- Bread, wheat-flour, and crackers. The Pieser-Livingston Co. No. 119,365; Nov. 13; v. 244; p. 560.
- Breads and pastries. Raised. Bystrom & Hull. No. 117,106; June 19; v. 239; p. 934.
- Breath-tablets. The Reese Company. No. 115,464; Feb. 13; v. 235; p. 692.
- Brick and tile. B. Mifflin Hood Brick Co. No. 119,199; Oct. 30; v. 243; p. 1306.
- Brick, Building-. Sumter Brick Works. No. 116,097; Apr. 3; v. 237; p. 307.
- Brick, Fire-. Harbison-Walker Refractories Company. No. 116,630; May 15; v. 238; p. 976.
- Brick, lining for furnaces, smelters, boilers, cupolas, and stoves, Fire-. Oliver Brothers. No. 117,193; June 19; v. 239; p. 936.
- Brick, tile, and burnt clay for use in building construction. A. Hardoncourt, Jr. No. 118,775; Oct. 2; v. 243; p. 236.
- Bricks. Siliconite Refractories Co. No. 119,805; Dec. 11; v. 245; p. 550.
- Bricks made of clay and equivalent material. Acme Brick Company. Nos. 115,910-11; Mar. 27; v. 236; p. 1215.
- Bricks, tiles, and furnace-linings. Refractory. G. A. Balz. No. 119,030; Oct. 23; v. 243; p. 1059.
- Bronzing liquids, enamels, and bronze powders. The Premier Bronze Powder Co. No. 117,606; July 17; v. 240; p. 938.
- Brooms. Atlantic Trust Company. No. 118,375; Sept. 4; v. 242; p. 249.
- Brooms. Columbia Broom Works. No. 119,046; Oct. 23; v. 243; p. 1060.
- Brooms. W. A. Field. No. 118,399; Sept. 4; v. 242; p. 255.
- Brooms. Lee Broom & Duster Company. Nos. 114,989-91; Jan. 16; v. 234; p. 1041.
- Brooms. Lee Broom & Duster Company. No. 119,735; Dec. 11; v. 245; p. 548.
- Brooms. Hugh Thompson Broom Corn Company. No. 116,016; Mar. 27; v. 236; p. 1218.
- Brooms and brushes. Spring Maid Broom & Mfg. Co. No. 119,475; Nov. 20; v. 244; p. 814.
- Brush, Shoe-polishing. Tube Brush Co. No. 117,225; June 19; v. 239; p. 937.
- Brushes and a clamp for connecting water-supply-hose nozzles with the brushes. Fountain-. T. F. Harrison. No. 118,409; Sept. 4; v. 242; p. 250.
- Brushes, brooms, and dusters, Certain named. Goldman Costume Company. No. 118,402; Sept. 4; v. 242; p. 250.
- Brushes, Certain named. Rennous, Kleinle & Co. of Baltimore City. Nos. 115,108-9; Jan. 23; v. 234; p. 1309.
- Brushes for general and certain named use. United Shoe Machinery Company. No. 116,868; May 29; v. 238; p. 1636.
- Brushes, Paint-. E. Clinton & Co. No. 119,174; Oct. 30; v. 243; p. 1305.
- Brushes, Paint-. Hanlon & Goodman Co. No. 116,629; May 15; v. 238; p. 976.
- Brushes, Shaving-. L. D. Coriell. No. 115,568; Feb. 20; v. 235; p. 1052.
- Brushes, Tooth-. The Bestol Company. No. 117,512; July 17; v. 240; p. 935.
- Brushes, Tooth-. Harris and Berntz Co. No. 119,074; Oct. 23; v. 243; p. 1061.
- Brushes, Tooth, hair, and shaving. Miller Safety Tooth Brush Company. No. 118,468; Sept. 11; v. 242; p. 513.
- Brushes, Tooth, nail, clothes, &c. K. Kasai. No. 117,566; July 17; v. 240; p. 937.
- Brushes, Tooth, nail, hair, clothes, and kitchen. George Borgfeldt & Co. No. 118,461; Sept. 11; v. 242; p. 513.
- Building-blocks, Children's. The Redsquare Company. No. 119,373; Nov. 13; v. 244; p. 561.
- Building-blocks, construction toys, dolls, &c. George Borgfeldt & Co. No. 117,819; Aug. 7; v. 241; p. 293.
- Building construction, Certain named. The Waring-Underwood Company. No. 117,232; June 19; v. 239; p. 937.
- Buildings, Portable. J. H. Burton & Co. No. 118,382; Sept. 4; v. 242; p. 249.
- Buildings, Sectional. The Togan-Stiles Company. No. 119,007; Oct. 16; v. 243; p. 791.
- Buildings, Steel portable. C. D. Pruden Company. No. 116,000; Mar. 27; v. 236; p. 1217.
- Bulbs, Japanese-lily. Corp. of Chas. F. Meyer. No. 119,906; Dec. 18; v. 245; p. 840.
- Bulletins issued at irregular intervals. American Humane Association. No. 118,256; Aug. 28; v. 241; p. 1151.
- Bulletins, Quarterly. American International Corporation. No. 119,160; Oct. 30; v. 243; p. 1305.
- Burners, stoves, mantles, mixers, forges, and lanterns, Certain named. National Supply Company. No. 119,753; Dec. 11; v. 245; p. 549.
- Bushings and metal and graphite bearings and bushings, Self-lubricating trolley-wheel. The Graphite Lubricating Company. No. 116,521; May 8; v. 238; p. 645.
- Butter. Beau-Site Company. No. 117,019; June 12; v. 239; p. 651.
- Butter. The Chadron Ice & Creamery Co. No. 115,734; Mar. 6; v. 236; p. 277.
- Butter. The Fairmont Creamery Co. No. 117,844; Aug. 7; v. 241; p. 294.
- Butter. F. H. George & Company. No. 115,955; Mar. 27; v. 236; p. 1216.
- Butter. Inland Empire Creamery and Produce Company. No. 119,318; Nov. 13; v. 244; p. 559.
- Butter. Iowa City Produce Company. No. 118,415; Sept. 4; v. 242; p. 250.
- Butter. G. R. Linn. No. 116,771; May 22; v. 238; p. 1326.
- Butter. G. R. Linn. No. 119,458; Nov. 20; v. 244; p. 814.
- Butter. Maricopa Creamery Co. No. 114,798; Jan. 2; v. 234; p. 371.
- Butter. Martin-Klepper Co. No. 115,204; Jan. 30; v. 234; p. 1579.
- Butter. The Mid-West Creamery Company. Nos. 119,973-6; Dec. 25; v. 245; p. 1022.
- Butter. Trifolium Butter Company. No. 119,478; Nov. 20; v. 244; p. 814.
- Butter. F. Waskow. No. 116,568; May 8; v. 238; p. 647.
- Butter and eggs. S. S. Borden Co. No. 117,408; July 10; v. 240; p. 635.
- Butter and honey. Commercial Creamery Company. No. 116,600; May 15; v. 238; p. 976.
- Butter, cheese, and eggs. Lewis, Mears Company. No. 117,889; Aug. 7; v. 241; p. 295.
- Butter, cheese, eggs, cream, and poultry. Tilden Produce Company. No. 119,400; Nov. 13; v. 244; p. 562.
- Butter, Creamery-. Mutual Creamery Company. Nos. 117,186-7; June 19; v. 239; p. 936.
- Butter, Creamery-. Yorkshire Creamery Co. No. 117,074; June 12; v. 239; p. 652.
- Butter, eggs, and cheese. Beyer Bros. No. 115,285; Feb. 6; v. 235; p. 317.
- Butter, eggs, and cheese. Beyer Bros. Commission Co. No. 115,153; Jan. 30; v. 234; p. 1577.
- Butter-merging compounds. The Buttr Plus Co. No. 117,104; June 19; v. 239; p. 934.
- Butter, Print-. C. F. Witt. No. 117,498; July 10; v. 240; p. 638.
- Butter substitute. B. J. Johnson Soap Co. No. 117,873; Aug. 7; v. 241; p. 295.
- Buttons. Lindenhurst Manufacturing Co. No. 116,436; May 1; v. 238; p. 306.
- Buttons. Rochester Button Company. No. 117,360; July 3; v. 240; p. 335.
- Buttons for wearing-apparel. B. Blumenthal & Co. No. 117,635; July 24; v. 240; p. 1161.
- Buttons or separable fasteners, Press-. J. O. Nygaard. No. 117,192; June 19; v. 239; p. 936.
- Buttons used as garment-fasteners, Snap-. The Autoyre Company. No. 118,739; Oct. 2; v. 243; p. 235.
- Buttons used as garment-fasteners, Snap-. Waldes & Co. No. 118,597; Sept. 18; v. 242; p. 746.

Alphabetical list of trade-marks—Continued.

- Buttons used on women's wearing-apparel, Sewed-through and shank. Turkeltaub & Lichter. No. 117,718; July 24; v. 240; p. 1163.
- Buttons, Wearing-apparel. Rochester Button Company. No. 116,980; June 5; v. 239; p. 316.
- Cabinets, Kitchen-. The Cussins & Fearn Co. No. 117,528; July 17; v. 240; p. 935.
- Cabinets, Medicine-. J. P. Eustis Manufacturing Company. No. 116,209; Apr. 17; v. 237; p. 913.
- Cabinets, Spice-. A. Kreamer, Inc. No. 118,888; Oct. 9; v. 243; p. 520.
- Cabinets, tables, and stools, Metal kitchen. The Ohio State Stove Co. No. 116,853; May 29; v. 238; p. 1636.
- Cake. Schulze Baking Company. No. 114,829; Jan. 2; v. 234; p. 371.
- Cake, potato chips, doughnuts, salted nuts. M. Dyer. No. 116,297; Apr. 24; v. 237; p. 1214.
- Cakes. Loose-Wiles Biscuit Company. No. 115,199; Jan. 30; v. 234; p. 1579.
- Cakes. Loose-Wiles Biscuit Company. No. 115,640; Feb. 27; v. 235; p. 1351.
- Cakes. Loose-Wiles Biscuit Company. No. 115,978; Mar. 27; v. 236; p. 1217.
- Cakes. Loose-Wiles Biscuit Company. No. 116,147; Apr. 10; v. 237; p. 618.
- Cakes. Loose-Wiles Biscuit Company. No. 116,333; Apr. 24; v. 237; p. 1215.
- Cakes. H. W. Sloat. No. 115,242; Jan. 30; v. 234; p. 1580.
- Cakes. H. W. Sloat. No. 116,561; May 8; v. 238; p. 647.
- Cakes and cookies. Iten Biscuit Co. No. 114,769; Jan. 2; v. 234; p. 370.
- Cakes and cookies. Iten Biscuit Co. Nos. 115,342-3; Feb. 6; v. 235; p. 319.
- Cakes, crackers, and biscuits. Yours Truly Biscuit Co. No. 117,803; July 31; v. 240; p. 1447.
- Calcium carbide. Union Carbide Company. No. 119,405; Nov. 13; v. 244; p. 562.
- Calcium salts. P. M. Kuehnrich. No. 114,779; Jan. 2; v. 234; p. 370.
- Calcium salts. P. M. Kuehnrich. Nos. 116,529-31; May 8; v. 238; p. 646.
- Calendars and cards. R. H. Isard. No. 114,770; Jan. 2; v. 234; p. 370.
- Calfskins, Finishd. E. C. Mills Leather Co. No. 117,459; July 10; v. 240; p. 636.
- Cambrics, nainsooks, and muslins in the piece. Baltimore Bargain House. No. 116,030; Apr. 3; v. 237; p. 305.
- Cameras. Eastman Kodak Co. No. 116,130; Apr. 10; v. 237; p. 617.
- Cameras, camera-backs, and film, Photographic. Eastman Kodak Co. No. 119,601; Dec. 4; v. 245; p. 275.
- Candies. E. Greenfield's Sons. No. 117,550; July 17; v. 240; p. 936.
- Candies. Lovell & Covel Company. No. 116,068; Apr. 3; v. 237; p. 306.
- Candies. W. A. Mosby. No. 116,543; May 8; v. 238; p. 646.
- Candies. National Candy Company. No. 118,560; Sept. 18; v. 242; p. 745.
- Candies. Reed Chocolate Co. No. 115,663; Feb. 27; v. 235; p. 1352.
- Candies. Sanko Company. No. 119,798; Dec. 11; v. 245; p. 550.
- Candies. C. Takis. No. 116,702; May 15; v. 238; p. 979.
- Candies and confections. Kellogg Toasted Corn Flake Co. No. 115,348; Feb. 6; v. 235; p. 319.
- Candies and confections. E. Spitzer. No. 115,817; Mar. 6; v. 236; p. 280.
- Candies, Chocolate. Gurley Candy Company. No. 114,751; Jan. 2; v. 234; p. 369.
- Candies, chocolates, bonbons, &c. L. R. Fenn. No. 115,323; Feb. 6; v. 235; p. 318.
- Candies, Home-made. O. Grayson. No. 119,440; Nov. 20; v. 244; p. 813.
- Candy. American Candy Manufacturing Co. No. 117,500; July 17; v. 240; p. 935.
- Candy. The Aromint Company. No. 117,810; Aug. 7; v. 241; p. 293.
- Candy. D. Auerbach & Sons. No. 118,848; Oct. 9; v. 243; p. 519.
- Candy. D. Auerbach & Sons. Nos. 119,242-3; Nov. 13; v. 244; p. 557.
- Candy. W. J. Bader. No. 114,680; Jan. 2; v. 234; p. 367.
- Candy. Blanke-Wenneker Candy Company. No. 116,280; Apr. 24; v. 237; p. 1213.
- Candy. Bunte Brothers. No. 115,296; Feb. 6; v. 235; p. 318.
- Candy. Bunte Brothers. No. 115,937; Mar. 27; v. 236; p. 1215.
- Candy. Clinton-Copeland Company. No. 117,647; July 24; v. 240; p. 1161.
- Candy. Elmer Candy Co. No. 119,285; Nov. 13; v. 244; p. 558.
- Candy. Jacobs Candy Company. No. 118,973; Oct. 16; v. 243; p. 790.
- Candy. G. Migliaccio. No. 117,574; July 17; v. 240; p. 937.
- Candy. Miller-Elmer Manufacturing Co. No. 115,368; Feb. 6; v. 235; p. 320.
- Candy. Mueller-Keller Candy Co. No. 117,775; July 31; v. 240; p. 1446.
- Candy. Novelty Candy Company. No. 119,464; Nov. 20; v. 244; p. 814.
- Candy. Paramount Products Co. No. 119,978; Dec. 25; v. 245; p. 1022.
- Candy. Ridley's, The Old Chambers St. Candy Manufactory. No. 115,394; Feb. 6; v. 235; p. 321.
- Candy. Ridley's, The Old Chambers St. Candy Manufactory. No. 116,553; May 8; v. 238; p. 646.
- Candy. Sears, Roebuck and Co. No. 118,340; Aug. 28; v. 241; p. 1153.
- Candy. United Drug Company. No. 115,122; Jan. 23; v. 234; p. 1309.
- Candy. William Penn Hotel Company. No. 118,570; Sept. 18; v. 242; p. 745.
- Candy. The Wintermint Co. No. 116,732; May 15; v. 238; p. 980.
- Candy and confections. G. L. Ridean. No. 115,808; Mar. 6; v. 236; p. 279.
- Candy and crackers. Capital Candy & Cracker Co. No. 117,642; July 24; v. 240; p. 1161.
- Candy, and more particularly chocolates. E. J. Schuene-man. No. 117,931; Aug. 7; v. 241; p. 296.
- Candy, and particularly confection-bars made of chocolate and peanuts. W. W. De Bevoise. No. 116,205; Apr. 17; v. 237; p. 913.
- Candy, Chocolate. C. A. Crane. No. 117,113; June 19; v. 239; p. 934.
- Candy, Chocolate. Loose Wiles Company. No. 117,168; June 19; v. 239; p. 936.
- Candy-corn and marshmallow-biscuit. Oriental Candy Company. No. 115,461; Feb. 13; v. 235; p. 692.
- Candy, Edible. S. Goldberg. No. 118,967; Oct. 16; v. 243; p. 790.
- Candy, Hard. Repetti. No. 118,814; Oct. 2; v. 243; p. 237.
- Candy, particularly caramel candy. Kibbe Bros. Company. No. 114,774; Jan. 2; v. 234; p. 370.
- Candy, particularly caramel candy. Kibbe Bros. Company. Nos. 115,627-32; Feb. 27; v. 235; pp. 1350-1.
- Candy, particularly chocolates. Kibbe Bros. Company. No. 115,350; Feb. 6; v. 235; p. 319.
- Candle and candlestick holders, range-boilers, carriage foot-warmers. A. Kreamer, Inc. No. 117,161; June 19; v. 239; p. 935.
- Candles, type-writer and machine oil, lubricants, paraffin. Goldman Costume Company. No. 118,654; Sept. 25; v. 242; p. 988.
- Canes, parasols, and umbrellas. Goldman Costume Company. No. 118,031; Aug. 14; v. 241; p. 617.
- Canned American sardines. Seacoast Canning Co. No. 115,235; Jan. 30; v. 234; p. 1580.
- Canned blueberries. Pleasant River Canning Co. No. 117,604; July 17; v. 240; p. 938.
- Canned chicken à la King, canned chicken and canned tomato soups. Overseas Products Corporation. No. 119,108; Oct. 23; v. 243; p. 1062.
- Canned condensed milk. Helvetia Milk Condensing Company. No. 118,412; Sept. 4; v. 242; p. 250.
- Canned crabs. The Hale Company. Nos. 116,313-14; Apr. 24; v. 237; p. 1214.
- Canned fish. Addis & Eppstein. No. 117,077; June 19; v. 239; p. 933.
- Canned fish. Castello Branco & Commandita. No. 118,952; Oct. 16; v. 243; p. 789.
- Canned fish, vegetables, and fruits, preserved fruits. Strohmeier & Arpe Company. No. 115,686; Feb. 27; v. 235; p. 1352.
- Canned food product. The Marshall-Stacey Company. No. 114,799; Jan. 2; v. 234; p. 371.
- Canned foods. F. J. Brons. No. 117,739; July 31; v. 240; p. 1445.
- Canned foods. The Sears and Nichols Canning Co. No. 115,812; Mar. 6; v. 236; p. 280.
- Canned foods, Certain named. Brodsky Palman Gelber Co. No. 115,061; Jan. 23; v. 234; p. 1307.
- Canned foods, Certain named. The H. D. Lee Mercantile Co. No. 115,135; Jan. 23; v. 234; p. 1309.
- Canned fruit, Certain named. Pratt-Low Preserving Co. No. 115,106; Jan. 23; v. 234; p. 1308.
- Canned fruits. Eat and Grow Thin Food Co. No. 114,730; Jan. 2; v. 234; p. 369.
- Canned fruits. Griffith-Durney Company. No. 115,327; Feb. 6; v. 235; p. 319.
- Canned fruits and berries. Sodus Packing Co. No. 119,394; Nov. 13; v. 244; p. 561.
- Canned fruits and vegetables. Curtice Brothers Co. No. 115,941; Mar. 27; v. 236; p. 1216.
- Canned fruits and vegetables. Dailey-Udell Company. No. 116,296; Apr. 24; v. 237; p. 1214.
- Canned fruits and vegetables. Davis-Dougherty Canning Co. No. 118,865; Oct. 9; v. 243; p. 519.
- Canned fruits and vegetables. H. C. Hemingway & Co. No. 115,612; Feb. 27; v. 235; p. 1350.
- Canned fruits and vegetables. Klaubner Wangenheim Co. No. 119,731; Dec. 11; v. 245; p. 548.
- Canned fruits and vegetables. Lange Canning Co. No. 116,533; May 8; v. 238; p. 646.
- Canned fruits and vegetables. The H. D. Lee Mercantile Co. No. 115,354; Feb. 6; v. 235; p. 319.
- Canned fruits and vegetables. Pratt-Low Preserving Company. No. 115,802; Mar. 6; v. 236; p. 279.
- Canned fruits and vegetables. Pratt-Low Preserving Company. No. 116,155; Apr. 10; v. 237; p. 618.

- Canned fruits and vegetables. Reeves, Parvin & Co. No. 116,001; Mar. 27; v. 236; p. 1217.
- Canned fruits and vegetables. John Sexton & Company. No. 115,237; Jan. 30; v. 234; p. 1580.
- Canned fruits and vegetables. C. E. Slauson Co. No. 116,694; May 15; v. 238; p. 978.
- Canned fruits and vegetables, salmon, hominy, &c. M. O'Connor and Company. No. 115,377; Feb. 6; v. 235; p. 320.
- Canned fruits and vegetables, tomato catsup, apple-cider vinegar. T. J. Sweet. No. 116,010; Mar. 27; v. 236; p. 1218.
- Canned fruits, berries, sweet-pickled peaches and pears, and vegetables. W. N. Clark Company. No. 118,497; Sept. 18; v. 242; p. 743.
- Canned fruits, vegetables, and mince-meat. John Sexton & Company. No. 119,336; Nov. 13; v. 244; p. 561.
- Canned fruits, vegetables, and salmon, tomato catsup. Burton & Davis Co. No. 117,102; June 19; v. 239; p. 933.
- Canned fruits, vegetables, oysters, &c., fresh fruits, vegetables, &c. Torsch Packing Co. No. 119,008; Oct. 16; v. 243; p. 791.
- Canned fruits, vegetables, salmon, hominy, &c. McKnight-Keaton Grocery Co. No. 115,364; Feb. 6; v. 235; p. 320.
- Canned goods. B. Levy. No. 119,091; Oct. 23; v. 243; p. 1061.
- Canned goods. Overseas Products Company. No. 117,195; June 19; v. 239; p. 936.
- Canned goods and food products, Certain named. The Weideman Co. No. 116,486; May 1; v. 238; p. 308.
- Canned goods, Certain named. L. Frank & Son Co. No. 116,424; May 1; v. 238; p. 306.
- Canned goods, Certain named. R. H. Macy & Co. No. 115,778; Mar. 6; v. 236; p. 279.
- Canned goods, Certain named. Sussman, Wormser & Co. No. 116,470; May 1; v. 238; p. 307.
- Canned meats and canned meat products. Baker Packing Company. No. 119,633; Dec. 11; v. 245; p. 545.
- Canned olive-oil. Michele Ajello Co. No. 118,480; Sept. 18; v. 242; p. 743.
- Canned oysters. Platt & Co. No. 115,799; Mar. 6; v. 236; p. 279.
- Canned pork and beans. The Cudahy Packing Company. No. 115,313; Feb. 6; v. 235; p. 318.
- Canned raw oysters. Armstrong Seatag Corporation. No. 118,374; Sept. 4; v. 242; p. 249.
- Canned raw oysters. W. Heyser. No. 115,338; Feb. 6; v. 235; p. 319.
- Canned salmon. Alaska-Pacific Fisheries. Nos. 115,714-15; Mar. 6; v. 236; p. 277.
- Canned salmon. Alaska-Pacific Fisheries. No. 117,499; July 17; v. 240; p. 935.
- Canned salmon. Booth Fisheries Company. No. 116,501; May 8; v. 238; p. 645.
- Canned salmon. Booth Fisheries Company. No. 117,022; June 12; v. 239; p. 651.
- Canned salmon. Booth Fisheries Company. No. 117,096; June 19; v. 239; p. 933.
- Canned salmon. Carlisle Packing Co. No. 117,415; July 10; v. 240; p. 635.
- Canned salmon. Carlisle Packing Co. No. 119,653; Dec. 11; v. 245; p. 546.
- Canned salmon. Chinook Packing Company. No. 115,161; Jan. 30; v. 234; p. 1577.
- Canned salmon. Columbia River Packers Association. No. 115,069; Jan. 23; v. 234; p. 1307.
- Canned salmon. Columbia River Packers Association. No. 117,112; June 19; v. 239; p. 934.
- Canned salmon. Columbia River Packers Association. Nos. 117,830-1; Aug. 7; v. 241; p. 293.
- Canned salmon. Columbia River Packers Association. No. 119,663; Dec. 11; v. 245; p. 546.
- Canned salmon. Dorman, Huxford & Co. No. 114,727; Jan. 2; v. 234; p. 368.
- Canned salmon. P. E. Harris & Co. No. 117,139; June 19; v. 239; p. 935.
- Canned salmon. P. E. Harris & Co. No. 117,857; Aug. 7; v. 241; p. 294.
- Canned salmon. Kelley-Clarke Co. No. 117,157; June 19; v. 239; p. 935.
- Canned salmon. The H. D. Lee Mercantile Co. No. 119,968; Dec. 25; v. 245; p. 1022.
- Canned salmon. Whatcom Fish Products Co. Nos. 116,728-9; May 15; v. 238; p. 980.
- Canned salmon. Wiese Packing Co. Nos. 116,021-2; Mar. 27; v. 236; p. 1218.
- Canned salmon and sardines. Syme, Eagle & Co. No. 116,377; Apr. 24; v. 237; p. 1216.
- Canned salmon, cove-oysters, and minced clams, dried cod-fish. Roundup Fisheries Co. No. 116,684; May 15; v. 238; p. 978.
- Canned salmon, cove-oysters, shrimp, &c. The Kroger Grocery & Baking Co. No. 118,791; Oct. 2; v. 243; p. 237.
- Canned sardines. I. Burger. No. 118,493; Sept. 18; v. 242; p. 743.
- Canned sardines. Globe Canning Co. Nos. 115,751-3; Mar. 6; v. 236; p. 278.
- Canned sardines. Globe Canning Co. Nos. 115,957-8; Mar. 27; v. 236; p. 1216.
- Canned sardines. Globe Canning Co. No. 117,543; July 17; v. 240; p. 936.
- Canned sardines. E. L. Heebner. No. 115,187; Jan. 30; v. 234; p. 1578.
- Canned sardines. A. L. Johnson. No. 119,725; Dec. 11; v. 245; p. 548.
- Canned sardines. E. Kirsten. No. 117,882; Aug. 7; v. 241; p. 295.
- Canned sardines. La Manna, Azema & Farnan. No. 115,774; Mar. 6; v. 236; p. 278.
- Canned sardines. Syme, Eagle & Co. No. 116,011; Mar. 27; v. 236; p. 1218.
- Canned sardines. C. E. Van Landingham Co. No. 117,491; July 10; v. 240; p. 637.
- Canned sardines. White Star Canning Co. No. 118,608; Sept. 18; v. 242; p. 747.
- Canned sardines and clams. A. L. Johnson. No. 118,785; Oct. 2; v. 243; p. 237.
- Canned sardines and tuna fish. C. E. Van Landingham Co. No. 117,230; June 19; v. 239; p. 937.
- Canned sauer-kraut. The J. Weller Co. No. 116,184; Apr. 10; v. 237; p. 619.
- Canned shrimp. Ruge Bro's. Canning Co. No. 117,204; June 19; v. 239; p. 936.
- Canned shrimps, sardines, and salmon. B. O. Bowers Co. No. 117,826; Aug. 7; v. 241; p. 293.
- Canned tomatoes. J. S. Reynolds & Company. No. 119,469; Nov. 20; v. 244; p. 814.
- Canned tomatoes, corn, peas, pork and beans, &c. Mueller Wild Co. No. 117,050; June 12; v. 239; p. 652.
- Canned unsweetened sterilized evaporated milk. Ivy Milk Products Co. No. 117,443; July 10; v. 240; p. 636.
- Canned vegetables. H. C. Baxter & Bro. No. 117,812; Aug. 7; v. 241; p. 293.
- Canned vegetables. Burton & Davis Co. No. 115,297; Feb. 6; v. 235; p. 318.
- Canned vegetables. J. M. Michael. No. 118,554; Sept. 18; v. 242; p. 745.
- Canned vegetables. J. M. Michael. No. 118,798; Oct. 2; v. 243; p. 237.
- Canned vegetables. R. Mitchell. No. 118,428; Sept. 4; v. 242; p. 250.
- Canned vegetables. Pacific Pea Packing Company. No. 119,759; Dec. 11; v. 245; p. 549.
- Canned vegetables. Worden Grocer Company. No. 120,003; Dec. 25; v. 245; p. 1023.
- Canned vegetables and fruits. The E. S. Kibbe Company. No. 118,541; Sept. 18; v. 242; p. 745.
- Canned vegetables and sauer-kraut. Lange Canning Co. No. 116,327; Apr. 24; v. 237; p. 1215.
- Canned vegetables, fruits, and fish. Emery Food Company. No. 117,030; June 12; v. 239; p. 651.
- Canning machinery and the like, Certain named. F. G. Dickerson Co. No. 115,167; Jan. 30; v. 234; p. 1578.
- Canning outfits, Steam-pressure. North Western Steel & Iron Works. No. 119,360; Nov. 13; v. 244; p. 560.
- Capsules used as a home liquor and drug treatment. F. I. Barker. No. 116,499; May 8; v. 238; p. 645.
- Car chassis into a motor-truck. Devices for converting a pleasure-. Graham Brothers. No. 119,187; Oct. 30; v. 243; p. 1305.
- Car-lighting systems, Electric motor-. Detroit Starter Co. No. 114,723; Jan. 2; v. 234; p. 368.
- Car-roof cast brackets, Railway-. E. A. Lowrie. No. 118,306; Aug. 28; v. 241; p. 1152.
- Carbon bisulfid (CS₂) and compositions containing carbon bisulfid. Taylor Chemical Company. No. 119,399; Nov. 13; v. 244; p. 561.
- Carbon, Cleansers for the removal of. Rosenthal Manufacturing Company. No. 115,540; Feb. 20; v. 235; p. 1051.
- Carbon-impression tablets and carbon and copying papers. Shea Smith & Co. No. 118,706; Sept. 25; v. 242; p. 990.
- Carbon in gas-engine cylinders, Preparation for eliminating. The E. L. Patch Co. No. 116,084; Apr. 3; v. 237; p. 306.
- Carbon-remover. The Allworth Company. No. 118,371; Sept. 4; v. 242; p. 249.
- Carbon used for illumination and projection. Negative. Speer Carbon Company. No. 118,714; Sept. 25; v. 242; p. 990.
- Carbonizing-boxes. Wilbur & Cannon. No. 116,262; Apr. 17; v. 237; p. 915.
- Carbureters. A. Kirkpatrick. No. 115,767; Mar. 6; v. 236; p. 278.
- Carbureters. Sphinx Fuel Devices Company. No. 117,375; July 3; v. 240; p. 336.
- Carbureters, Auxiliary. Atlas Auto Specialties Corporation. No. 119,492; Nov. 27; v. 244; p. 1081.
- Carbureters of automobile-engines, Devices for regulating the supply of air to. Myle Mayker Company. No. 116,076; Apr. 3; v. 237; p. 306.
- Carburizing and case-hardening materials. E. F. Houghton & Co. No. 117,325; July 3; v. 240; p. 334.
- Cardboard blanks. Sabin Robbins Paper Co. No. 119,214; Oct. 30; v. 243; p. 1306.
- Cards, Playing-. Russell Playing Card Co. No. 118,332; Aug. 28; v. 241; p. 1153.
- Carpets and rugs. Hardwick & Magee Co. No. 115,186; Jan. 30; v. 234; p. 1578.
- Carriage-robos. The Wallace & Smith Company. No. 116,103; Apr. 3; v. 237; p. 307.

Alphabetical list of trade-marks—Continued.

- Cars, Motor-. The Clyde Cars Company. No. 116,288; Apr. 24; v. 237; p. 1213.
- Cars, motor-trucks, and automobiles, Steel. American Steel Export Company. No. 119,937; Dec. 25; v. 245; p. 1021.
- Cartoon and drawings. W. R. Allman. No. 118,939; Oct. 16; v. 243; p. 789.
- Cartoon series. The Chicago Record-Herald Company. No. 118,496; Sept. 18; v. 242; p. 743.
- Cartoons. Cartoonaday Incorporated. No. 119,654; Dec. 11; v. 245; p. 546.
- Cartridges, loaded and empty, Shotgun-. The Remington Arms Union Metallic Cartridge Company. No. 115,388; Feb. 6; v. 235; p. 320.
- Carts and shop-trucks, Hand-. American Steel Products Co. No. 117,402; July 10; v. 240; p. 635.
- Case-hardening compound used as a substitute for potassium or sodium cyanide. Ele-Kem Company. No. 119,683; Dec. 11; v. 245; p. 547.
- Cash-discount and cash-discount-savings receipts. M. Whitlock. No. 114,851; Jan. 2; v. 234; p. 372.
- Caskets. Boyertown Burial Casket Co. No. 115,289; Feb. 6; v. 235; p. 317.
- Castings, Gray iron metal. Arvac Manufacturing Company. No. 115,577; Feb. 27; v. 235; p. 1349.
- Castings, Iron. The Advance Foundry Co. No. 116,025; Apr. 3; v. 237; p. 305.
- Castings, Iron and steel. The National Malleable Castings Company. No. 115,858; Mar. 13; v. 236; p. 591.
- Castings of certain named metals. G. P. Varley. No. 119,592; Nov. 27; v. 244; p. 1084.
- Castings, Steel. The Canton Steel Foundry Company. No. 119,938; Oct. 23; v. 243; p. 1059.
- Castoria. J. H. Larson. No. 119,088; Oct. 23; v. 243; p. 1061.
- Catalogue or illustrated price-list for the jeweler's trade. Annual. The Norris, Alister-Ball Company. No. 115,790; Mar. 6; v. 236; p. 279.
- Catalogue published from time to time. Hees & Norton Designing & Publishing Co. No. 119,897; Dec. 18; v. 245; p. 840.
- Catalogues, folders, printed books, valentines, &c. S. S. Kresge Co. No. 116,956; June 5; v. 239; p. 315.
- Catalogues of newspapers and periodicals. G. W. May. No. 116,962; June 5; v. 239; p. 315.
- Catamenial sacks. P. J. Clune. No. 115,880; Mar. 20; v. 236; p. 885.
- Catarth treatment, remedy for certain named diseases. J. L. Greenbaum. No. 117,035; June 12; v. 239; p. 651.
- Cathartics. W. A. McLeod. No. 116,909; June 5; v. 239; p. 314.
- Celery, ginger-ale, and root-beer. Blue Bird Beverage Company. No. 119,641; Dec. 11; v. 245; p. 545.
- Cement, Adhesive. Regina Cement Company. No. 115,022; Jan. 16; v. 234; p. 1042.
- Cement, Adhesive metal-. G. E. R. Rothenbucher. No. 119,119; Oct. 23; v. 243; p. 1062.
- Cement and asbestile fibrous mineral combined to form asbestile flashing and roof cement. Asbestile Liquid. H. W. Johns-Manville Co. No. 118,882; Oct. 9; v. 243; p. 520.
- Cement and mortar. E. F. Kellie. No. 117,877; Aug. 7; v. 241; p. 295.
- Cement, Building-. Louisville Cement Company. No. 117,169; June 19; v. 239; p. 936.
- Cement, Fire-brick. Quigley Furnace Specialties Co. No. 115,538; Feb. 20; v. 235; p. 1051.
- Cement for boots, shoes, and other leather articles. C. L. Hawthaway & Sons. No. 119,606; Dec. 4; v. 245; p. 275.
- Cement, Hydraulic. Southern Cement Co. No. 114,837; Jan. 2; v. 234; p. 372.
- Cement, Iron-. E. W. Jenkins. No. 116,650; May 15; v. 238; p. 977.
- Cement, non-conducting boiler-covering and stove-lining. Fire-brick. Refractory Materials Company. No. 116,857; May 29; v. 238; p. 1636.
- Cement, Portland. Universal Portland Cement Company. No. 115,560; Feb. 20; v. 235; p. 1051.
- Cement, Refractory. Adams & Jewell. No. 114,667; Jan. 2; v. 234; p. 367.
- Cement, Structural. South American Shipping Company. No. 118,441; Sept. 4; v. 242; p. 251.
- Cement to be used as a bond for fire-brick structures. William J. Gravert, Inc. No. 116,055; Apr. 3; v. 237; p. 306.
- Cereal, Breakfast. Cream of Rice Co. No. 115,311; Feb. 6; v. 235; p. 318.
- Cereal of oats, corn, or wheat and dried and desiccated vegetables. John Thompson & Sons. No. 115,414; Feb. 6; v. 235; p. 321.
- Cereals and remedial foods, Breakfast. D. A. Harrison. No. 118,524; Sept. 18; v. 242; p. 744.
- Cereals, Breakfast. Fleming & Co. No. 114,736; Jan. 2; v. 234; p. 369.
- Chains and chain-links. Chain Belt Company. No. 114,701; Jan. 2; v. 234; p. 368.
- Chains, bracelets, Gold and platinum. J. M. Jablow. No. 118,533; Sept. 18; v. 242; p. 744.
- Chains of ordinary metal for general purposes in the transmission of power, Drive-. The Coventry Chain Company. No. 118,390; Sept. 4; v. 242; p. 249.
- Chair, Child's dressing-. V. C. Palmer. No. 115,535; Feb. 20; v. 235; p. 1051.
- Chairs and settees, Upholstered. B. Altman & Co. No. 118,732; Oct. 2; v. 243; p. 235.
- Chairs, bedsteads, rockers, buffets, &c. B. Scher. No. 118,473; Sept. 11; v. 242; p. 513.
- Chambray. Reliance Manufacturing Company. No. 118,699; Sept. 25; v. 242; p. 989.
- Charcoal iron and skelp. The Parkesburg Iron Company. No. 119,563; Nov. 27; v. 244; p. 1083.
- Check-protectors. Defiance Check Writer Corporation. No. 115,741; Mar. 6; v. 236; p. 277.
- Checks, Blank. H. G. Candee. Nos. 119,944-5; Dec. 25; v. 245; p. 1021.
- Checks, check-books, and check-book holders or temporary binders. J. F. Shoemaker. No. 118,581; Sept. 18; v. 242; p. 746.
- Cheese. P. Aarons. No. 117,399; July 10; v. 240; p. 635.
- Cheese. I. Burger. No. 119,255; Nov. 13; v. 244; p. 557.
- Cheese. H. J. Campbell. No. 114,697; Jan. 2; v. 234; p. 368.
- Cheese. Gerber & Co. No. 119,185; Oct. 30; v. 243; p. 1305.
- Cheese. A. Giurlani & Brother. No. 119,438; Nov. 20; v. 244; p. 813.
- Cheese. J. S. Hoffman Company. Nos. 116,318-20; Apr. 24; v. 237; p. 1214.
- Cheese. J. S. Hoffman Company. No. 119,452; Nov. 20; v. 244; p. 814.
- Cheese. MacLaren Imperial Cheese Co. No. 117,768; July 31; v. 240; p. 1446.
- Cheese. Smith Lichty and Hillman Company. No. 116,695; May 15; v. 238; p. 978.
- Cheese, Cream-. L. Kadans. No. 119,082; Oct. 23; v. 243; p. 1061.
- Cheese made with rennet, Prepared. B. R. Van Loenen. No. 118,356; Aug. 28; v. 241; p. 1154.
- Cheese, Neufchâtel style of soft. P. E. Sharpless Company. No. 117,787; July 31; v. 240; p. 1446.
- Cheese, Pimento. P. E. Sharpless Company. No. 117,935; Aug. 7; v. 241; p. 297.
- Cheese, Soft. P. E. Sharpless Company. No. 118,476; Sept. 11; v. 242; p. 513.
- Chemical and pharmaceutical preparation, Certain named. Van Vleet-Mansfield Drug Company. No. 117,384; July 3; v. 240; p. 336.
- Chemical and pharmaceutical preparations, Certain named. Aseptic Products Company. No. 115,475; Feb. 20; v. 235; p. 1049.
- Chemical and pharmaceutical preparations for toilet purposes, Certain named. George Borgfeldt & Co. No. 117,288; July 3; v. 240; p. 333.
- Chemical and pharmaceutical preparations, Certain named. Northam Warren Corporation. No. 117,353; July 3; v. 240; p. 335.
- Chemical apparatus used as a game or toy. The Porter Chemical Company. No. 115,537; Feb. 20; v. 235; p. 1051.
- Chemical compound for agricultural purposes. American Cyanamid Company. No. 117,970; Aug. 14; v. 241; p. 615.
- Chemical compounds, Certain named. Rollin Chemical Company Incorporated. No. 119,574; Nov. 27; v. 244; p. 1084.
- Chemicals and pharmaceutical preparations, Certain named. George Borgfeldt & Co. No. 118,623; Sept. 25; v. 242; p. 987.
- Chemicals and pharmaceutical preparations, Certain named. J. W. Butler. No. 117,103; June 19; v. 239; p. 933.
- Chemicals and pharmaceutical preparations, Certain named. The Mehalovitch Brothers Company. No. 117,277; June 26; v. 239; p. 1206.
- Chemicals and pharmaceutical preparations, Certain named. Sterling Products Company. No. 116,928; June 5; v. 239; p. 314.
- Chemicals and pharmaceutical preparations, Certain named. Union Pacific Tea Company. No. 119,587; Nov. 27; v. 244; p. 1084.
- Chemicals and pigments for general use, Certain named. C. F. Gledhill. No. 114,966; Jan. 16; v. 234; p. 1040.
- Chemicals, dyestuffs, and oils used in dyeing, bleaching, and finishing. John Campbell & Co. Nos. 115,837-43; Mar. 13; v. 236; p. 591.
- Chemicals for treating boilers and neutralizing acids of the feed-water, Certain named. Sterling Equipment & Supply Company. No. 118,588; Sept. 18; v. 242; p. 746.
- Chemicals, medicines, and pharmaceutical preparations, Certain named. Ampoule Drug Company. No. 115,272; Feb. 6; v. 235; p. 317.
- Chemicals, medicines, and pharmaceutical preparations, Certain named. Brewer & Co. No. 114,693; Jan. 2; v. 234; p. 367.
- Chemicals, medicines, and pharmaceutical preparations, Certain named. A. G. Deuel. No. 118,632; Sept. 25; v. 242; p. 987.
- Chemicals, medicines, and pharmaceutical preparations, Certain named. Flotation Oil and Chemical Company. No. 119,687; Dec. 11; v. 245; p. 547.
- Chemicals, medicines, and pharmaceutical preparations, Certain named. International Drug Company. No. 118,532; Sept. 18; v. 242; p. 744.
- Chemicals, medicines, and pharmaceutical preparations, Certain named. G. B. Martin. No. 118,551; Sept. 18; v. 242; p. 745.

- Chemicals, medicines, and pharmaceutical preparations, Certain named. S. H. McKean. No. 119,336; Nov. 13; v. 244; p. 560.
- Chemicals, medicines, and pharmaceutical preparations, Certain named. Merck & Co. No. 119,460; Nov. 20; v. 244; p. 814.
- Chemicals, medicines, and pharmaceutical preparations, Certain named. Mutual Sales Co. No. 117,349; July 3; v. 240; p. 335.
- Chemicals, medicines, and pharmaceutical preparations, Certain named. New World Ginseng Company. No. 119,560; Nov. 27; v. 244; p. 1083.
- Chemicals, medicines, and pharmaceutical preparations, Certain named. C. V. Sparhawk. No. 118,585; Sept. 18; v. 242; p. 746.
- Chemicals, medicines, and pharmaceutical preparations, Certain named. True Blue Drug Co. No. 118,111; Aug. 14; v. 241; p. 619.
- Chemicals, medicines, and pharmaceutical preparations for treating certain named diseases. United Liquid Sulphur Co. No. 116,716; May 15; v. 238; p. 979.
- Chemicals, medicines, &c., Certain named. B. Fonstein. No. 119,523; Nov. 27; v. 244; p. 1082.
- Chemise, Envelop-. L. Goldstein & Son. No. 117,315; July 3; v. 240; p. 334.
- Chemises made of woven material. Lehman Bros. No. 116,904; June 5; v. 239; p. 314.
- Chilli sauce, canned foods. P. Dirvin. No. 117,746; July 31; v. 240; p. 1445.
- Chimes and bells, Musical. The Kohler-Liebich Co. No. 117,673; July 24; v. 240; p. 1162.
- China ware. Iroquois China Company. No. 119,720; Dec. 11; v. 245; p. 548.
- Chinaware. Maddock Pottery Company. No. 114,790; Jan. 2; v. 234; p. 370.
- Chocolate. C. A. Crane. No. 115,740; Mar. 6; v. 236; p. 277.
- Chocolate. Pennsylvania Chocolate Company. No. 118,325; Aug. 28; v. 241; p. 1153.
- Chocolate coating for confectioners and bakers. The Touraine Company. No. 117,069; June 12; v. 239; p. 652.
- Chocolate, Drinking-. Stephen F. Whitman & Son. No. 115,423; Feb. 6; v. 235; p. 321.
- Chocolate, Milk-. Peter Cailler Kohler Swiss Chocolates Co. No. 119,792; Dec. 11; v. 245; p. 550.
- Chocolate wheat bars. W. W. Reed. No. 119,980; Dec. 25; v. 245; p. 1022.
- Chocolates. Greley Square Hotel Co. (Hotel McAlpin). Nos. 119,441-2; Nov. 20; v. 244; p. 813.
- Chocolates. The Nelson-Rhoads Candy Co. No. 117,190; June 19; v. 239; p. 936.
- Chocolates. Sweet Candy Co. No. 116,564; May 8; v. 238; p. 647.
- Chocolates and bonbons. Imperial Candy Co. No. 115,890; Mar. 20; v. 236; p. 885.
- Chocolates and candies. Wallace & Co. No. 118,837; Oct. 2; v. 243; p. 238.
- Chocolates and candy. Stephen F. Whitman & Son. No. 117,496; July 10; v. 240; p. 638.
- Chocolates and confections. Paul F. Beich Co. No. 117,021; June 12; v. 239; p. 651.
- Chocolates of all kinds. Paul F. Beich Co. No. 119,033; Oct. 23; v. 243; p. 1059.
- Chromes and white lead in oil, Scarlet and basic. International Color & Chemical Co. No. 115,618; Feb. 27; v. 235; p. 1350.
- Cider, Carbonated sweet apple. Inland Products Company. No. 119,228; Nov. 6; v. 244; p. 287.
- Cider sold as a soft drink, Sweet apple. L. F. Mikesell. No. 115,100; Jan. 23; v. 234; p. 1308.
- Cigarette-cases. S. J. Goldberg. No. 114,747; Jan. 2; v. 234; p. 369.
- Cigarette, cigar, and cheroot machines and parts thereof. American Machine & Foundry Company. No. 119,858; Dec. 18; v. 245; p. 839.
- Cigarette-paper. Société Anonyme d'Exploitation des Papeteries L. Lacroix Fils. No. 119,807; Dec. 11; v. 245; p. 550.
- Cigarette-paper. Waldes & Co. No. 115,907; Mar. 20; v. 236; p. 886.
- Cigarette-papers. Waldes & Co. No. 115,563; Feb. 20; v. 235; p. 1052.
- Cigarette-papers, tobacco-pouches, pipes, &c. Goldmar Costume Company. No. 118,519; Sept. 18; v. 242; p. 744.
- Cigarettes. Grosvenor Nicholas & Co. No. 118,563; Sept. 18; v. 242; p. 745.
- Cigarettes. Liggett & Myers Tobacco Company. No. 117,166; June 19; v. 239; p. 935.
- Cigarettes. D. D. Minassian. No. 116,967; June 5; v. 239; p. 315.
- Cigarettes. Pupuldy Brothers. No. 116,977; June 5; v. 239; p. 316.
- Cigarettes. The United Kingdom Tobacco Company Limited. No. 117,490; July 10; v. 240; p. 637.
- Cigarettes, Rolled. M. P. Duryea. No. 117,122; June 19; v. 239; p. 934.
- Cigars. The Alton Mercantile Company. No. 117,629; July 24; v. 240; p. 1161.
- Cigars. American Exchange Cigar Company. No. 118,133; Aug. 21; v. 241; p. 905.
- Cigars. American Exchange Cigar Company. No. 119,627; Dec. 11; v. 245; p. 545.
- Cigars. M. H. Barnett. No. 118,740; Oct. 2; v. 243; p. 235.
- Cigars. C. C. Bogart. No. 115,726; Mar. 6; v. 236; p. 277.
- Cigars. C. C. Bogart. No. 117,816; Aug. 7; v. 241; p. 293.
- Cigars. Carefree Cigar Company. No. 118,154; Aug. 21; v. 241; p. 905.
- Cigars. Coony Bayer Cigar Co. No. 116,747; May 22; v. 238; p. 1325.
- Cigars. G. E. Dawson. No. 118,754; Oct. 2; v. 243; p. 236.
- Cigars. W. L. Diehl. No. 114,724; Jan. 2; v. 234; p. 368.
- Cigars. E. A. Filene. No. 115,603; Feb. 27; v. 235; p. 1350.
- Cigars. Fritch, Himes & Company. No. 117,132; June 19; v. 239; p. 934.
- Cigars. General Cigar Co. No. 118,286; Aug. 28; v. 241; p. 1152.
- Cigars. General Cigar Co. Nos. 119,183-4; Oct. 30; v. 243; p. 1305.
- Cigars. Otto Eisenlohr & Bro. No. 114,955; Jan. 16; v. 234; p. 1040.
- Cigars. W. K. Gresh & Sons. No. 115,756; Mar. 6; v. 236; p. 278.
- Cigars. M. A. Gunst & Co. No. 115,608; Feb. 27; v. 235; p. 1350.
- Cigars. M. A. Gunst & Co. No. 118,292; Aug. 28; v. 241; p. 1152.
- Cigars. Kellogg Toasted Corn Flake Co. No. 119,192; Oct. 30; v. 243; p. 1306.
- Cigars. J. Klorfein. No. 119,732; Dec. 11; v. 245; p. 548.
- Cigars. E. Linden. No. 116,957; June 5; v. 239; p. 315.
- Cigars. Martinez Havana Co. No. 115,983; Mar. 27; v. 236; p. 1217.
- Cigars. L. Michelson & Bro. No. 118,985; Oct. 16; v. 243; p. 790.
- Cigars. Mouquin Restaurant & Wine Co. No. 118,317; Aug. 28; v. 241; p. 1153.
- Cigars. H. W. Peabody & Company. No. 118,569; Sept. 18; v. 242; p. 745.
- Cigars. Y. Pendas & Alvarez. No. 115,662; Feb. 27; v. 235; p. 1352.
- Cigars. San Martin & Leon Company. No. 119,799; Dec. 11; v. 245; p. 550.
- Cigars. A. Sanchez & Company. No. 119,797; Dec. 11; v. 245; p. 550.
- Cigars. N. N. Smith. No. 117,789; July 31; v. 240; p. 1446.
- Cigars. S. S. Speier. No. 116,801; May 22; v. 238; p. 1327.
- Cigars. C. J. Stettler. No. 115,820; Mar. 6; v. 236; p. 280.
- Cigars. Testa Cigar Co. No. 117,714; July 24; v. 240; p. 1163.
- Cigars. Theobald and Oppenheimer Company. No. 115,251; Jan. 30; v. 234; p. 1580.
- Cigars. Theobald and Oppenheimer Company. Nos. 115,690-91; Feb. 27; v. 235; p. 1352.
- Cigars. Theobald and Oppenheimer Company. No. 116,014; Mar. 27; v. 236; p. 1218.
- Cigars. Theobald and Oppenheimer Company. No. 116,099; Apr. 3; v. 237; p. 307.
- Cigars. Theobald and Oppenheimer Company. No. 116,473; May 1; v. 238; p. 307.
- Cigars. United Cigar Manufacturers Company. No. 114,847; Jan. 2; v. 234; p. 372.
- Cigars. United Cigar Manufacturers Company. Nos. 115,039-40; Jan. 16; v. 234; p. 1042.
- Cigars. United Cigar Manufacturers Company. Nos. 115,254-5; Jan. 30; v. 234; p. 1580.
- Cigars. United Cigar Manufacturers Company. Nos. 115,698-9; Feb. 27; v. 235; p. 1353.
- Cigars. United Cigar Manufacturers Company. No. 116,715; May 15; v. 238; p. 979.
- Cigars. United Cigar Manufacturers Company. No. 116,807; May 22; v. 238; p. 1327.
- Cigars. United Cigar Manufacturers Company. No. 118,242; Aug. 21; v. 241; p. 908.
- Cigars. United Cigar Manufacturers Company. Nos. 118,351-3; Aug. 28; v. 241; p. 1154.
- Cigars. United Cigar Manufacturers Company. No. 118,595; Sept. 18; v. 242; p. 746.
- Cigars. United Cigar Manufacturers Company. (now by change of name General Cigar Co.) No. 118,720; Sept. 25; v. 242; p. 990.
- Cigars. W. M. Wattles. No. 119,223; Oct. 30; v. 243; p. 1307.
- Cigars. The Weideman Co. No. 117,011; June 5; v. 239; p. 317.
- Cigars. Welcher Brothers. No. 115,262; Jan. 30; v. 234; p. 1580.
- Cigars and cigarettes. The Beau-Site Company. No. 117,633; July 24; v. 240; p. 1161.
- Cigars and cigarettes. Lilly, Dungan & Company. No. 116,656; May 15; v. 238; p. 977.
- Cigars and smoking-tobacco. A. G. Camero. No. 115,158; Jan. 30; v. 234; p. 1577.
- Cigars and tobacco. Y. Pendas & Alvarez. No. 117,702; July 24; v. 240; p. 1163.

Alphabetical list of trade-marks—Continued.

- Cigars, cheroots, and little cigars. Berninger & Henry. No. 118,489; Sept. 18; v. 242; p. 743.
- Cigars, cheroots, and little cigars. J. Lovera Company. No. 114,786; Jan. 2; v. 234; p. 370.
- Cigars, cheroots, and little cigars. Reynaldo Cigar Company. No. 117,703; July 24; v. 240; p. 1163.
- Cigars, cheroots, and little cigars. E. M. Schwarz & Co. No. 115,233; Jan. 30; v. 234; p. 1580.
- Cigars, cigarettes, and smoking-tobacco. Rauch Cigar Company. No. 115,803; Mar. 6; v. 236; p. 279.
- Cigars, cigarettes, and smoking-tobacco. Rauch Cigar Company. No. 116,088; Apr. 3; v. 237; p. 307.
- Cigars, cigarettes, and smoking-tobacco. Testa Cigar Co. No. 117,715; July 24; v. 240; p. 1163.
- Cigars, cigarettes, and smoking-tobacco. Testa Cigar Co. No. 117,793; July 31; v. 240; p. 1447.
- Cigars, cigarettes, cheroots, &c. R. Lobravico & Son. No. 119,196; Oct. 30; v. 243; p. 1306.
- Cigars, cigarettes, cheroots, and little cigars. E. M. Schwarz & Co. No. 117,475; July 10; v. 240; p. 637.
- Cigars, cigarettes, cheroots, stogies, tobacco. R. Lobravico & Son. No. 118,794; Oct. 2; v. 243; p. 237.
- Cigars, cigarettes, smoking and chewing tobacco. Charles P. Stanley Cigar Company. No. 119,396; Nov. 13; v. 244; p. 561.
- Cigars, cigarettes, smoking-tobacco. Testa Cigar Co. No. 116,251; Apr. 17; v. 237; p. 914.
- Cigars, cigarettes, tobaccos, tobacco cuttings. W. F. Heiliger. No. 116,214; Apr. 17; v. 237; p. 913.
- Cigars, cigarros, cheroots, and cigar-clippings. 44 Cigar Company. Nos. 117,128-31; June 19; v. 239; p. 934.
- Cigars, cigarros, cheroots, cigar-clippings. 44 Cigar Company. No. 118,171; Aug. 21; v. 241; p. 906.
- Cinematograph-film. Pathe Exchange. No. 119,564; Nov. 27; v. 244; p. 1083.
- Cineograph and moving-picture films. Balboa Amusement Producing Company. No. 115,144; Jan. 30; v. 234; p. 1577.
- Cineograph and moving-picture films, Positive and negative. Balboa Amusement Producing Company. No. 118,617; Sept. 25; v. 242; p. 989.
- Clamps and bushings. Ground. David Killoch Co. No. 118,886; Oct. 9; v. 243; p. 520.
- Cleaner and dyer for leather and leather articles, Combined. C. A. Zoes. No. 117,396; July 3; v. 240; p. 336.
- Cleaner and polish for automobile-bodies and other enameled surfaces. F. J. Kelley. No. 118,974; Oct. 16; v. 243; p. 790.
- Cleaner, deodorant, germicide, and insecticide. Frantz, Buchanan & Co. No. 116,304; Apr. 24; v. 237; p. 1214.
- Cleaner for enamel surfaces. J. Fallon. No. 115,076; Jan. 23; v. 234; p. 1308.
- Cleaner for silks, laces, furs, kid gloves, &c. The Cumber Products Co. No. 115,070; Jan. 23; v. 234; p. 1307.
- Cleaner for white shoes of kid, calf, duck, canvas, buckskin, and gloves. S. M. Booth. No. 117,637; July 24; v. 240; p. 1161.
- Cleaners and parts thereof, Electric vacuum. D. B. Replogle. No. 114,823; Jan. 2; v. 234; p. 371.
- Cleaners, Electric suction-. The Apex Electrical Manufacturing Company. No. 116,198; Apr. 17; v. 237; p. 913.
- Cleaners, Electric suction-. Marshall Field & Company. No. 116,755; May 22; v. 238; p. 1325.
- Cleaning and polishing cloths for metals, woods, and leathers. A. C. A. Company. No. 117,075; June 19; v. 239; p. 933.
- Cleaning and polishing compound for automobiles, pianos, furniture, &c. The Vaporine Co. No. 115,257; Jan. 30; v. 234; p. 1580.
- Cleaning and polishing material for automobiles, pianos, woodwork, furniture. W. J. Brouse. No. 117,244; June 26; v. 239; p. 1205.
- Cleaning and polishing preparations for painted, varnished, and wooden surfaces. F. H. Bosson. No. 117,099; June 19; v. 239; p. 933.
- Cleaning and preserving preparation for certain named articles of wearing-apparel. Packard Dressing Co. No. 118,807; Oct. 2; v. 243; p. 237.
- Cleaning and scouring preparation. Keen Kleener Manufacturing Company. No. 118,538; Sept. 18; v. 242; p. 744.
- Cleaning composition for the hands, wood, metal, earthen, and enameled wares. N. R. McAfee. No. 116,773; May 22; v. 238; p. 1326.
- Cleaning compound for fabrics. J. W. Mitchell. No. 117,346; July 3; v. 240; p. 335.
- Cleaning compound for treating certain named fabrics and surfaces. Bauer-Hancock Co. No. 118,143; Aug. 21; v. 241; p. 905.
- Cleaning compound for white woodwork and enamels, Liquid. The Robert Mitchell Furniture Co. No. 118,210; Aug. 21; v. 241; p. 907.
- Cleaning compound, Liquid. H. I. De Freitas. No. 118,957; Oct. 16; v. 243; p. 789.
- Cleaning fluid for white leather and canvas. Three-A. Mfg. Co. No. 117,380; July 3; v. 240; p. 336.
- Cleaning fluids. The Bleecker Company. No. 116,877; June 5; v. 239; p. 313.
- Cleaning fluids. The Bleecker Company. No. 119,252; Nov. 13; v. 244; p. 557.
- Cleaning liquid for varnished and enameled surfaces. G. S. A. Cassimus. No. 116,882; June 5; v. 239; p. 313.
- Cleaning preparation for hats, shoes, and clothing. I. W. Rice & Co. No. 115,226; Jan. 30; v. 234; p. 1579.
- Cleaning, scouring, or polishing, Detergent preparation for. Enoch Morgan's Sons Company. No. 118,986; Oct. 16; v. 243; p. 790.
- Cleaning, scouring, or polishing preparation, Detergent. Enoch Morgan's Sons Company. No. 116,151; Apr. 10; v. 237; p. 618.
- Cleanser. Champion Chemical Co. No. 117,518; July 17; v. 240; p. 935.
- Cleansers and water-softeners. Climalene Chemical Company. No. 114,713; Jan. 2; v. 234; p. 368.
- Cleansing compositions. Savon Chemical Co. No. 119,122; Oct. 23; v. 243; p. 1062.
- Cleansing compound. Excelsior Carpet Cleansers. No. 119,181; Oct. 30; v. 243; p. 1305.
- Cleansing compound, Liquid. Robert M. Callaway. No. 118,625; Sept. 25; v. 242; p. 987.
- Cleansing compound, Liquid. F. Hodschar. No. 114,759; Jan. 2; v. 234; p. 369.
- Cleansing disinfectant and germicide. W. B. McVicker Company. No. 119,551; Nov. 27; v. 244; p. 1083.
- Cleansing or scouring cake or powder. Enoch Morgan's Sons Company. No. 116,540; May 8; v. 238; p. 646.
- Cleansing-paste for the hands, fabrics, pots and pans, laundry and bathing. Kil-Greco Company. No. 115,521; Feb. 20; v. 235; p. 1050.
- Clips, Pen and pencil. Eagle Pencil Company. Nos. 119,952-3; Dec. 25; v. 245; p. 1021.
- Clocks. N. H. Brown. No. 117,100; June 19; v. 239; p. 933.
- Clocks. Nelson H. Brown. No. 118,381; Sept. 4; v. 242; p. 249.
- Clocks. Shapleigh Hardware Company. Nos. 116,987-8; June 5; v. 239; p. 316.
- Clocks, Alarm-. Western Clock Co. No. 119,011; Oct. 16; v. 243; p. 791.
- Clocks and horological, astronomical, and nautical time-pieces and parts and attachments, Electric. Manhattan Electrical Supply Company. No. 115,894; Mar. 20; v. 236; p. 885.
- Clocks and movements therefor. N. H. Brown. No. 117,822; Aug. 7; v. 241; p. 293.
- Clocks and watches. J. & J. Sales Company. No. 115,515; Feb. 20; v. 235; p. 1050.
- Clocks and watches. Western Clock Co. Nos. 114,913-14; Jan. 9; v. 234; p. 669.
- Clocks and watches. Western Clock Co. No. 116,726; May 15; v. 238; p. 979.
- Clocks and watches. Western Clock Co. No. 117,962; Aug. 7; v. 241; p. 297.
- Clocks and watches and the works for the same. North American Watch Co. No. 117,053; June 12; v. 239; p. 652.
- Clocks, watches, and movements therefor. N. H. Brown. No. 117,823; Aug. 7; v. 241; p. 293.
- Closets, Water-. J. D. Johnson Co. No. 116,141; Apr. 10; v. 237; p. 618.
- Cloth-cutting machines, with the knives and separate parts thereof. E. M. Waring. No. 117,620; July 17; v. 240; p. 938.
- Clothes-wringers and parts thereof. The American Wringer Company. No. 114,921; Jan. 16; v. 234; p. 1039.
- Clothes-wringers and parts thereof. The American Wringer Company. No. 116,027; Apr. 3; v. 237; p. 305.
- Clothes-wringers and parts thereof. The American Wringer Company. No. 117,084; June 19; v. 239; p. 933.
- Clothing and personal wear, Certain named. A. L. Blakeslee. No. 116,876; June 5; v. 239; p. 313.
- Clothing, Certain named athletic and sports. John Wanamaker, New York. No. 119,838; Dec. 11; v. 245; p. 551.
- Clothing, Certain named. J. Bacon & Sons. No. 118,943; Oct. 16; v. 243; p. 789.
- Clothing, Certain named. Birkenfeld, Strauss & Co. No. 116,581; May 15; v. 238; p. 975.
- Clothing, Certain named. J. Blach & Sons. No. 114,687; Jan. 2; v. 234; p. 367.
- Clothing, Certain named. The Buckley-Newhall Company. No. 115,064; Jan. 23; v. 234; p. 1307.
- Clothing, Certain named. Cohen Goldman & Co. No. 114,947; Jan. 16; v. 234; p. 1040.
- Clothing, Certain named. Franklin Simon & Co. No. 115,124; Jan. 23; v. 234; p. 1309.
- Clothing, Certain named. John Gately Co. No. 115,079; Jan. 23; v. 234; p. 1308.
- Clothing, Certain named. Goldman Costume Company. No. 118,652; Sept. 25; v. 242; p. 988.
- Clothing, Certain named. Goodell & Company. No. 119,697; Dec. 11; v. 245; p. 547.
- Clothing, Certain named. James A. Hearn & Son, Inc. No. 117,757; July 31; v. 240; p. 1445.
- Clothing, Certain named. Hess Brothers. No. 114,885; Jan. 9; v. 234; p. 668.
- Clothing, Certain named. Macular Parker Company. No. 118,895; Oct. 9; v. 243; p. 520.
- Clothing, Certain named. A. M. Malouf. No. 118,898; Oct. 9; v. 243; p. 520.
- Clothing, Certain named. Martins Birmingham Limited. No. 118,982; Oct. 16; v. 243; p. 790.

- Clothing, Certain named. Morris & Company. No. 114,808; Jan. 2; v. 234; p. 371.
- Clothing, Certain named. Niagara Silk Mills. No. 116,970; June 5; v. 239; p. 316.
- Clothing, Certain named. Oppenheim, Collins & Company. No. 114,905; Jan. 9; v. 234; p. 668.
- Clothing, Certain named. Pacific Mills. No. 118,324; Aug. 28; v. 241; p. 1153.
- Clothing, Certain named. J. M. Robinson, Norton & Co. No. 116,683; May 15; v. 238; p. 978.
- Clothing, Certain named. Schuylkill Silk Mills. No. 116,092; Apr. 3; v. 237; p. 307.
- Clothing, Certain named. Shapiro Brothers. No. 115,238; Jan. 30; v. 234; p. 1580.
- Clothing, Certain named. Henry Sonneborn & Co. No. 115,547; Feb. 20; v. 235; p. 1051.
- Clothing, Certain named. Troy Underwear Co. No. 117,489; July 10; v. 240; p. 637.
- Clothing, Certain named. A. L. Tuska Son & Co. No. 116,712; May 15; v. 238; p. 979.
- Clothing, Certain named. Union Special Machine Company. No. 115,700; Feb. 27; v. 235; p. 1353.
- Clothing, Certain named. United States Rubber Company. No. 118,933; Oct. 9; v. 243; p. 521.
- Clothing, Certain named. John Wanamaker, Philadelphia. No. 115,259; Jan. 30; v. 234; p. 1580.
- Clothing, Certain named. World's Star Knitting Company. No. 118,252; Aug. 21; v. 241; p. 908.
- Clothing, Certain named articles of. L. Stanley. No. 119,992; Dec. 25; v. 245; p. 1022.
- Clothing, Certain named girls' and women's. Best & Company. No. 117,286; July 3; v. 240; p. 333.
- Clothing, Certain named ladies' and misses'. L. D. Gordon. No. 117,136; June 19; v. 239; p. 935.
- Clothing, Certain named men's. Franklin Simon & Co. No. 118,921; Oct. 9; v. 243; p. 521.
- Clothing, Certain named men's. United Dollar Shirt Shops. No. 118,927; Oct. 9; v. 243; p. 521.
- Clothing for adults and babies, Certain named. Schuylkill Silk Mills. No. 116,161; Apr. 10; v. 237; p. 618.
- Clothing for children and workmen's shirts, overalls, and pants, Certain named. V. Montwid & Son. No. 118,907; Oct. 9; v. 243; p. 521.
- Clothing for ladies, children, and infants, Certain named. H. Itsynson. No. 119,721; Dec. 11; v. 245; p. 548.
- Clothing for men and boys, Certain named. Scherick & Kalender. No. 117,786; July 31; v. 240; p. 1446.
- Clothing for men and boys, Certain named. H. Wolff & Co. No. 114,756; Jan. 4; v. 234; p. 369.
- Clothing for men and women, Certain named. J. P. Davis. No. 116,886; June 5; v. 239; p. 313.
- Clothing for men and women, Certain named. Wm. Filene's Sons Company. No. 117,305; July 3; v. 240; p. 333.
- Clothing for men, women, and children, Certain named. Rice & Hutchins. No. 118,430; Sept. 4; v. 242; p. 250.
- Clothing for women, Certain named. C. T. Windmuller. No. 117,072; June 12; v. 239; p. 652.
- Clothing for women, misses, and children, Certain named. King & Applebaum. No. 116,847; May 29; v. 238; p. 1636.
- Clothing for women, misses, nurses, and maids, Certain named. H. Cohen. No. 119,175; Oct. 30; v. 243; p. 1305.
- Coal. The Consolidation Coal Co. No. 116,944; June 5; v. 239; p. 315.
- Coal. Ferguson-Spears Coal Company. No. 118,764; Oct. 2; v. 243; p. 236.
- Coal. Romann & Bush Pig Iron & Coke Co. No. 115,026; Jan. 16; v. 234; p. 1042.
- Coal. Utah Fuel Company. No. 117,721; July 24; v. 240; p. 1164.
- Coal and coke. Stonega Coke & Coal Co. No. 115,630; Jan. 16; v. 234; p. 1042.
- Coal and hardwood charcoal. W. E. Gould. No. 114,748; Jan. 2; v. 234; p. 369.
- Coal, Anthracite. Lehigh & Wilkes Barre Coal Co. No. 115,197; Jan. 30; v. 234; p. 1578.
- Coal-saving compound, Chemical. J. Jaffe. No. 115,344; Feb. 6; v. 235; p. 319.
- Coats. J. Buckman. No. 117,023; June 12; v. 239; p. 651.
- Coats and trousers, Men's. Kling Bros. & Co. No. 117,765; July 31; v. 240; p. 1446.
- Coats, blouses, jumpers, &c. Neustadter Bros. No. 119,354; Nov. 13; v. 244; p. 560.
- Coats, cloaks, wraps, capes, dresses, waists, and skirts. The Salt's Textile Manufacturing Company. No. 116,366; Apr. 24; v. 237; p. 1216.
- Coats, cloaks, wraps, dresses, &c. Women's, children's, and infants'. The Salt's Textile Manufacturing Company. Nos. 117,268-9; June 26; v. 239; p. 1206.
- Coats, Men's. C. Kenyon Company. No. 119,083; Oct. 23; v. 243; p. 1061.
- Coats, outer suits and skirts, and dresses, Ladies'. L. A. Mendelson. No. 118,902; Oct. 16; v. 243; p. 520.
- Coats, Sheepskin-lined. McKibbin, Driscoll & Dorsey. No. 117,170; June 19; v. 239; p. 936.
- Coats, suits, and dresses. Wynman, Partridge & Co. No. 119,158; Oct. 23; v. 243; p. 1063.
- Coats, suits, and dresses, Women's and children's. Jacobus Bros. Co. No. 117,870; Aug. 7; v. 241; p. 295.
- Coats, suits, skirts, &c. Women's and girls'. Ash Mad-den Rae Co. No. 117,403; July 10; v. 240; p. 635.
- Coats, trousers, and vests. Leopold, Solomon & Eisen-drath. No. 118,890; Oct. 9; v. 243; p. 520.
- Coats, vests, and trousers. Men's and children's. L. Shapiro & Co. No. 115,402; Feb. 6; v. 235; p. 321.
- Coats, vests, trousers, and overcoats, Men's and youths'. U. S. Woolen Mills Company. No. 118,251; Aug. 21; v. 241; p. 908.
- Coats, vests, trousers, hats, caps, shirts, drawers, union-suits, collars, cuffs. Goldenberg's. No. 117,436; July 10; v. 240; p. 636.
- Coats, waist-coats, trousers, and overcoats, Men's. G. G. Benjamin. No. 119,034; Oct. 23; v. 243; p. 1059.
- Coats, waistcoats, trousers, and overcoats, Men's and youths'. Hirsh, Wickwire Company. No. 116,431; May 1; v. 238; p. 306.
- Cocks, metallic valves, faucets, supply and drain pipes, and fittings. United Brass Manufacturing Company. No. 118,112; Aug. 14; v. 241; p. 619.
- Cocoa. S. Zechnowitz. No. 118,610; Sept. 18; v. 242; p. 747.
- Cocoa and chocolate. Hooton Cocoa Company. No. 119,715; Dec. 11; v. 245; p. 548.
- Cocoa, chewing-gum, and peanut-butter. D. D. Long. No. 118,205; Aug. 21; v. 241; p. 907.
- Cocanut, Desiccated. Habicht, Braun & Co. No. 115,758; Mar. 6; v. 236; p. 278.
- Codfish, Fresh, dried, and canned. Alaska Codfish Company. No. 117,237; June 26; v. 239; p. 1205.
- Coffee. W. H. M. Albertson. No. 117,078; June 19; v. 239; p. 933.
- Coffee. American Coffee Company. No. 119,626; Dec. 11; v. 245; p. 545.
- Coffee. A. Angel & Co. No. 117,017; June 12; v. 239; p. 651.
- Coffee. Beau-Site Company. No. 118,376; Sept. 4; v. 242; p. 249.
- Coffee. Bell, Conrad & Company. Nos. 115,927-8; Mar. 27; v. 236; p. 1215.
- Coffee. Bowers Bros. No. 115,288; Feb. 6; v. 235; p. 317.
- Coffee. Earl Cowan Company. No. 115,738; Mar. 6; v. 236; p. 277.
- Coffee. Fecher and McGavock. No. 115,951; Mar. 27; v. 236; p. 1216.
- Coffee. Foley Bros. & Quinlan. No. 115,077; Jan. 23; v. 234; p. 1308.
- Coffee. Greenhut Company. No. 116,194; Apr. 10; v. 237; p. 619.
- Coffee. Manhattan Coffee Mills. No. 117,895; Aug. 7; v. 241; p. 295.
- Coffee. Martin L. Hall Company. No. 117,254; June 26; v. 239; p. 1205.
- Coffee. W. R. Moorhouse. No. 116,343; Apr. 24; v. 237; p. 1215.
- Coffee. A. P. Martinez. No. 117,770; July 31; v. 240; p. 1446.
- Coffee. Nave-McCord Mercantile Co. No. 117,580; July 17; v. 240; p. 937.
- Coffee. New Orleans Coffee Co. No. 115,657; Feb. 27; v. 235; p. 1351.
- Coffee. New York Grocery Company. No. 118,562; Sept. 18; v. 242; p. 745.
- Coffee. S. M. Newmark. No. 118,216; Aug. 21; v. 241; p. 907.
- Coffee. Nortropic Cabarrus Co. No. 118,322; Aug. 28; v. 241; p. 1153.
- Coffee. S. S. Pierce Co. No. 115,222; Jan. 30; v. 234; p. 1579.
- Coffee. Roanoke Coffee and Spice Co. No. 119,793; Dec. 11; v. 245; p. 550.
- Coffee. Royal Valley Coffee Co. No. 115,397; Feb. 6; v. 235; p. 321.
- Coffee. Schnull & Co. No. 115,114; Jan. 23; v. 234; p. 1309.
- Coffee. P. L. Sommer. No. 117,482; July 10; v. 240; p. 637.
- Coffee. The Stowell Coffee Co. No. 119,815; Dec. 11; v. 245; p. 551.
- Coffee. The Union Pacific Tea Co. No. 117,719; July 24; v. 240; p. 1163.
- Coffee. The Woolson Spice Company. No. 116,733; May 15; v. 238; p. 980.
- Coffee and chicory. S. J. Castle. No. 118,269; Aug. 28; v. 241; p. 1151.
- Coffee and chicory. C. G. Durel. No. 116,193; Apr. 10; v. 237; p. 619.
- Coffee and substitutes for coffee. Whole Wheat Coffee Company. No. 115,711; Feb. 27; v. 235; p. 1353.
- Coffee and tea. J. S. Elliott Coffee Co. No. 115,172; Jan. 30; v. 234; p. 1578.
- Coffee and tea. Mazo Brothers. No. 118,983; Oct. 16; v. 243; p. 790.
- Coffee and tea. Mutual Coffee Co. No. 115,372; Feb. 6; v. 235; p. 320.
- Coffee and whole-bean coffee, Ground. C. H. Kroneberger & Co. No. 115,769; Mar. 6; v. 236; p. 278.
- Coffee, Blend. The Tebbotts and Garland Store. No. 117,791; July 31; v. 240; p. 1446.
- Coffee, butter, rice. P. C. Knowlton Co., successors to Baldwin, Knowlton & Lake. No. 115,768; Mar. 6; v. 236; p. 278.

Alphabetical list of trade-marks—Continued.

- Coffee, chicory and cacao seed coats. C. G. Durel. No. 114,729; Jan. 2; v. 234; p. 369.
- Coffee, cinnamon, tea, lemon extract. S. M. Newmark. No. 118,215; Aug. 21; v. 241; p. 907.
- Coffee in packages. Naas-Sanderson Co. No. 117,051; June 12; v. 239; p. 652.
- Coffee-mills, coffee-refiners, meat-choppers, &c. The Master Cutter Machine Company. No. 114,800; Jan. 2; v. 234; p. 371.
- Coffee, pepper sauce, preserved, canned, and dried fruits, &c. Nortropic Cabarrus Co. No. 119,361; Nov. 13; v. 244; p. 560.
- Coffee, Roasted. Betterton-Rupert Coffee Co. No. 119,248; Nov. 13; v. 244; p. 557.
- Coffee, Roasted. C. G. Durel. No. 114,728; Jan. 2; v. 234; p. 369.
- Coffee, Roasted. Fort Smith Coffee Company. No. 114,740; Jan. 2; v. 234; p. 369.
- Coffee, Roasted. The E. S. Kibbe Company. No. 117,448; July 10; v. 240; p. 636.
- Coffee, Roasted. Steinwender-Stoffregen Coffee Co. No. 115,819; Mar. 6; v. 236; p. 280.
- Coffee, Roasted. Young & Griffin Coffee Co. No. 118,369; Aug. 28; v. 241; p. 1154.
- Coffee, spices, and flavoring extracts. Steinwender-Stoffregen Coffee Co. No. 117,944; Aug. 7; v. 241; p. 297.
- Coffee substitute. Coffetone Manufacturing Company. No. 115,306; Feb. 6; v. 235; p. 318.
- Coffee substitute. W. J. H. Doran. No. 116,611; May 15; v. 238; p. 976.
- Coffee substitute. S. T. Hogan. No. 118,528; Sept. 18; v. 242; p. 744.
- Coffee, tea, and cocoa. Edmands Coffee Company. No. 118,395; Sept. 4; v. 242; p. 249.
- Coffee, tea, flavoring extracts for foods, spices, rolled oats. Gowan-Lenning-Brown Co. No. 116,310; Apr. 24; v. 237; p. 1214.
- Coffee, tea, salted and sugar peanuts, &c. Brundage Brothers Company. No. 116,586; May 15; v. 238; p. 975.
- Coffee, tea, spices, and food-flavoring extracts. San I Baker Corporation. No. 119,634; Dec. 11; v. 245; p. 545.
- Coffees and spices. Springfield Coffee and Spice Company. No. 114,839; Jan. 2; v. 234; p. 372.
- Coffin-box. A. Heath. No. 115,335; Feb. 6; v. 235; p. 319.
- Cognac. M. Gomez. No. 119,526; Nov. 27; v. 244; p. 1082.
- Coke. Lehigh Coke Company. No. 114,895; Jan. 9; v. 234; p. 668.
- Collars. Hall, Hartwell & Co. No. 114,753; Jan. 2; v. 234; p. 369.
- Collars and shirts. Hall, Hartwell & Co. No. 115,609; Feb. 27; v. 235; p. 1350.
- Collars, Ladies' ornamental. L. J. Margulies. No. 115,780; Mar. 6; v. 236; p. 279.
- Collars, Men's, boys', and women's. The Celluloid Company. No. 118,858; Oct. 9; v. 243; p. 519.
- Collars, shirts, cuffs, pajamas, bath-robots. Cluett, Peabody & Co. No. 118,886; Sept. 4; v. 242; p. 249.
- Colors, Anilin. New York Color & Chemical Co. No. 119,355; Nov. 13; v. 244; p. 560.
- Colors, Coal-tar. Society of Chemical Industry in Basle. Nos. 119,390-1; Nov. 13; v. 244; p. 561.
- Colors for rubber, leather, soap, &c. American Heyl Co. No. 115,050; Jan. 23; v. 234; p. 1307.
- Colors for painters' use. Dry. E. M. & F. Waldo. No. 115,564; Feb. 20; v. 235; p. 1052.
- Colors in oil and japan, varnishes, paints, &c. Wadsworth, Howland & Co. No. 116,258; Apr. 17; v. 237; p. 915.
- Combs and fans, French-ivory and celluloid. Yale Novelty Company. No. 115,266; Jan. 30; v. 234; p. 1581.
- Combustion-improving compound. Heat Producer Company. No. 119,710; Dec. 11; v. 245; p. 548.
- Commutator-cleaning paste. E. A. Marx. No. 118,309; Aug. 28; v. 241; p. 1152.
- Compendium of the silk industry. Technical. The Silk Guide, Inc. No. 115,542; Feb. 20; v. 235; p. 1051.
- Composition for stopping leaks, eliminating rust, &c. L. J. Stern. No. 115,684; Feb. 27; v. 235; p. 1352.
- Composition formed of solid material treated with a combustible chemical. Barlow Oil Co. No. 115,579; Feb. 27; v. 235; p. 1349.
- Composition of matter for the hair and scalp as shampoo. E. Webb. No. 119,841; Dec. 11; v. 245; p. 552.
- Compositions containing titanium or its compounds. Titanium Alloy Manufacturing Company. No. 119,402; Nov. 13; v. 244; p. 562.
- Compound for certain named diseases. The A. J. Hull Medicine Co. No. 116,323; Apr. 24; v. 237; p. 1214.
- Compound for the feet, cooling, healing, and odor-destroying. R. E. McCain. No. 116,437; May 1; v. 238; p. 306.
- Compound for the removal of moles, warts, &c., from the skin. Non-acid liquid. J. Colt. No. 117,829; Aug. 7; v. 241; p. 293.
- Compound for the treatment of asthma. Vegetable. S. M. Fontaine. No. 117,656; July 24; v. 240; p. 1162.
- Compound for the treatment of tuberculous diseases. Chemical. Farbwerke vorm. Meister Lucius and Brünig. No. 115,884; Mar. 20; v. 236; p. 885.
- Compound having bactericide action, and particularly useful for the treatment of gonorrhea. Chemical. Farbwerke vorm. Meister Lucius & Brünig. No. 115,747; Mar. 6; v. 236; p. 278.
- Compound used as a condiment to food for horses, cattle, poultry, &c. Joseph Thorley, Limited. No. 119,928; Dec. 18; v. 245; p. 841.
- Compound used as a gasolene-intensifier and carbon-preventive. Chemical. C. Hahn. No. 115,181; Jan. 30; v. 234; p. 1578.
- Compound which when applied to any pane of glass prevents fogging, steaming, &c. H. G. Larsen. No. 114,781; Jan. 2; v. 234; p. 370.
- Compounds for purifying products of combustion issuing from heaters, stoves, &c. Fageol & Tate. No. 115,075; Jan. 23; v. 234; p. 1308.
- Concrete-block-making machinery. The Ferguson Synstone Company. No. 118,647; Sept. 25; v. 242; p. 988.
- Concrete-mixing machines. J. W. Brabant. No. 117,988; Aug. 14; v. 241; p. 615.
- Condiments. J. Quevedo. No. 117,057; June 12; v. 239; p. 652.
- Confection, Nut. Nutty McNutt, Incorporated. No. 117,455; July 10; v. 240; p. 636.
- Confections. Runkel Brothers. No. 117,473; July 10; v. 240; p. 637.
- Confections. H. C. Small. No. 118,922; Oct. 9; v. 243; p. 521.
- Confections, Chocolate. M. N. Bailey. No. 117,735; July 31; v. 240; p. 1445.
- Confections, Popcorn. E. R. Knott. No. 117,450; July 10; v. 240; p. 636.
- Confectionery. Imperial Candy Co. No. 116,524; May 8; v. 238; p. 646.
- Construction material, Certain named. Shrauger & Johnson. No. 115,029; Jan. 16; v. 234; p. 1042.
- Construction materials. The High Grade Manufacturing Company. No. 116,216; Apr. 17; v. 237; p. 913.
- Construction materials, Certain named. The Arco Company. No. 118,847; Oct. 9; v. 243; p. 519.
- Construction materials, Certain named. Consolidated Company. No. 115,881; Mar. 20; v. 236; p. 885.
- Construction materials, Certain named. A. C. Tuxbury Lumber Company. No. 119,829; Dec. 11; v. 245; p. 551.
- Construction materials, Certain named. The Western Elaterite Roofing Company. No. 118,248; Aug. 21; v. 241; p. 908.
- Cookies. Loose-Wiles Biscuit Company. No. 115,361; Feb. 6; v. 235; p. 320.
- Cookies. Loose-Wiles Biscuit Company. No. 115,641; Feb. 27; v. 235; p. 1351.
- Cookies. Loose-Wiles Biscuit Co. No. 115,777; Mar. 6; v. 236; p. 278.
- Cooking-cabinet, Electric kitchen. G. R. Craw. No. 119,881; Dec. 18; v. 245; p. 839.
- Cooking utensils, Metal. Basic Products Corporation. No. 119,867; Dec. 18; v. 245; p. 839.
- Coolers and nursery-refrigerators. Wine. A. Kreamer, Inc. No. 117,766; July 31; v. 240; p. 1446.
- Copper and zinc plates, &c. for engravers' use. New York Steel & Copper Plate Co. No. 119,561; Nov. 27; v. 244; p. 1083.
- Cord, wire ropes, and cables. Picture. Wright Wire Company. No. 115,909; Mar. 20; v. 236; p. 886.
- Cordage. C. Weiner. No. 119,150; Oct. 23; v. 243; p. 1063.
- Cordage, Certain named. Goldman Costume Company. No. 118,769; Oct. 2; v. 243; p. 236.
- Cordage fiber. H. L. Heath Fiber Company. No. 117,440; July 10; v. 240; p. 636.
- Cordials. Luyties Brothers. No. 115,643; Feb. 27; v. 235; p. 1351.
- Corduroys and velveteens. Waterside Mills. No. 116,485; May 1; v. 238; p. 308.
- Corduroys, pile fabrics, fustians, &c. Merrimack Manufacturing Company. No. 118,903; Oct. 16; v. 243; p. 521.
- Cork composition for gaskets and washers. Armstrong Cork Company. No. 115,474; Feb. 20; v. 235; p. 1049.
- Cork composition used as a covering for rolls and other objects. Armstrong Cork Co. No. 118,942; Oct. 16; v. 243; p. 789.
- Corn and grain, grass, clover, and field seeds. Seed. E. W. Conklin & Son. No. 117,420; July 10; v. 240; p. 635.
- Corn flakes. Baltimore Pearl Hominy Company. No. 117,737; July 31; v. 240; p. 1445.
- Corn-solvent, dandruff remedy, and headache-tablets. W. C. Young. No. 116,812; May 22; v. 238; p. 1327.
- Corn-starch. Bauer and Bauer. Nos. 115,146-8; Jan. 30; v. 234; p. 1577.
- Corn, timothy and clover seeds, Seed. E. W. Conklin & Son. No. 118,499; Sept. 18; v. 242; p. 743.
- Cornets, trombones, altos, tenors, &c. Lyon & Healy. No. 115,524; Feb. 20; v. 235; p. 1050.
- Cornets, trombones, altos, melophones, &c. Lyon & Healy. No. 118,959; June 5; v. 239; p. 315.
- Cornmeal. Aunt Jemima Mills Company. No. 116,271; Apr. 24; v. 237; p. 1213.
- Cornmeal. The Eclipse Milling Company. No. 114,731; Jan. 2; v. 234; p. 369.
- Cornmeal. Juliette Milling Co. No. 114,773; Jan. 2; v. 234; p. 370.

- Cornmeal. Juliette Milling Co. No. 117,444; July 10; v. 240; p. 636.
- Cornmeal and milk. F. C. Klotz. No. 114,776; Jan. 2; v. 234; p. 370.
- Cornmeal, cream-meal, and grits. South Texas Grain Company. No. 115,816; Mar. 6; v. 236; p. 280.
- Cornmeal, milled corn-grits, rye-meal. Acme Milling Company. No. 118,129; Aug. 21; v. 241; p. 905.
- Corset. The Kreeger Store, Incorporated. No. 119,086; Oct. 23; v. 243; p. 1061.
- Corset-laces, lingerie and soutache braids, pin and doll cushions, &c. Samstag & Hilder Bros. No. 116,983; June 5; v. 239; p. 316.
- Corsets. American Lady Corset Company. No. 118,135; Aug. 21; v. 241; p. 905.
- Corsets. American Lady Corset Company. No. 119,240; Nov. 13; v. 244; p. 557.
- Corsets. Birdsey-Somers Company. No. 118,620; Sept. 25; v. 242; p. 987.
- Corsets. The J. L. Hudson Co. No. 119,717; Dec. 11; v. 245; p. 548.
- Corsets. The J. L. Hudson Co. No. 119,959; Dec. 25; v. 245; p. 1021.
- Corsets. Improved Stay Company. No. 118,972; Oct. 16; v. 243; p. 790.
- Corsets. Mme. P. Klein. No. 115,194; Jan. 30; v. 234; p. 1578.
- Corsets. Lily of France Corset Co. No. 114,995; Jan. 16; v. 234; p. 1041.
- Corsets. Lily of France Corset Co. No. 115,358; Feb. 6; v. 235; p. 319.
- Corsets. W. C. Munn Company. No. 118,988; Oct. 16; v. 243; p. 790.
- Corsets. Olmstead Quaboag Corset Company. No. 117,777; July 31; v. 240; p. 1446.
- Corsets. John Wanamaker, Philadelphia. Nos. 117,389-90; July 3; v. 240; p. 336.
- Corsets. The Warner Brothers Company. No. 116,104; Apr. 3; v. 237; p. 307.
- Corsets. The Warner Bros. Co. No. 116,483; May 1; v. 238; p. 308.
- Corsets. The Warner Bros. Co. No. 117,010; June 5; v. 239; p. 317.
- Corsets. The Warner Bros. Co. Nos. 118,451-2; Sept. 4; v. 242; p. 251.
- Corsets and brassières. Treo Company. No. 116,998; June 5; v. 239; p. 316.
- Corsets and girdles. Ambrose Wilson Limited. No. 120,002; Dec. 25; v. 245; p. 1023.
- Corsets, Apparel-. Kops Bros. No. 115,092; Jan. 23; v. 234; p. 1308.
- Corsets, apparel-corsets, corset covers and waists. Kops Bros. No. 116,144; Apr. 10; v. 237; p. 618.
- Corsets, camisoles, envelop-chemises, combination-suits, and brassières. E. D. Smith. No. 119,989; Dec. 25; v. 245; p. 1022.
- Corsets, corset girdles and covers. Knitted and textile. L. Thomas. No. 116,252; Apr. 17; v. 237; p. 914.
- Corsets, pantaloons for men, women, and children, skirt-protectors, &c. Protexwel Manufacturing Corporation. No. 115,387; Feb. 6; v. 235; p. 320.
- Cosmetics. Theatrical make-up. J. Stanick. No. 118,586; Sept. 18; v. 242; p. 746.
- Costumes, doctors' coats, trousers, and overalls, &c., Nurses'. Altro Manufacturing Company. No. 118,844; Oct. 9; v. 243; p. 519.
- Cotton and cotton and silk mixture drapery fabrics. Titus Blatter & Company. No. 116,708; May 15; v. 238; p. 979.
- Cotton and linen piece goods. Trippe, Barker & Co. No. 116,476; May 1; v. 238; p. 307.
- Cotton and mercerized textile fabrics in the piece. Lack Manufacturing Company. No. 117,451; July 10; v. 240; p. 636.
- Cotton and mixed silk and cotton piece goods. Windsor Print Works. No. 118,366; Aug. 28; v. 241; p. 1154.
- Cotton and silk piece goods. A. S. Rosenthal Co. No. 117,785; July 31; v. 240; p. 1446.
- Cotton and silk piece goods. M. Strauss. No. 119,132; Oct. 23; v. 243; p. 1062.
- Cotton cloth in the shape of piece goods. Bibb Manufacturing Company. No. 118,619; Sept. 25; v. 242; p. 987.
- Cotton-cloth piece goods. Campbell, Metzger & Jacobson. No. 118,271; Aug. 28; v. 241; p. 1151.
- Cotton damask cloths, napkins, towels, sheets, &c. John S. Brown & Sons. No. 119,226; Nov. 6; v. 244; p. 287.
- Cotton damasks, napkins, table-cloths, and cotton piece goods. D. D. Campbell. No. 116,819; May 29; v. 238; p. 1635.
- Cotton damasks, napkins, table-cloths, and piece goods. D. D. Campbell. Nos. 118,267-8; Aug. 28; v. 241; p. 1151.
- Cotton drapery fabrics. Titus Blatter & Company. No. 116,707; May 15; v. 238; p. 979.
- Cotton duck. Mount Vernon-Woodberry Mills. Nos. 116,442-3; May 1; v. 238; p. 306.
- Cotton duck, canvas, and yarn spun or woven in textile fabrics. The Warren Manufacturing Company. No. 116,484; May 1; v. 238; p. 308.
- Cotton fabrics, imitation-leather. Merrimack Manufacturing Company. No. 118,984; Oct. 16; v. 243; p. 790.
- Cotton fabrics known as nainsooks and batistes. Mills & Gibb Corporation. No. 118,905; Oct. 9; v. 243; p. 521.
- Cotton for linings, Mercerized. The D. H. Arnold Co. No. 115,575; Feb. 27; v. 235; p. 1349.
- Cotton goods in the piece. Everett, Heaney & Co. No. 118,016; Aug. 14; v. 241; p. 616.
- Cotton goods in the piece. Everett, Heaney & Co. No. 118,282; Aug. 28; v. 241; p. 1152.
- Cotton goods in the piece. Niagara Silk Mills. No. 116,445; May 1; v. 238; p. 306.
- Cotton, linen, silk, &c., piece goods. Bernhard Ulmann Co. No. 119,831; Dec. 11; v. 245; p. 551.
- Cotton piece goods. American Bleached Goods Company. No. 117,239; June 26; v. 239; p. 1205.
- Cotton piece goods. American Bleached Goods Company. No. 119,625; Dec. 11; v. 245; p. 545.
- Cotton piece goods. Amory, Browne & Co. No. 118,941; Oct. 16; v. 243; p. 789.
- Cotton piece goods. Amoskeag Manufacturing Company. No. 115,430; Feb. 13; v. 235; p. 691.
- Cotton piece goods. Appleton Company. Nos. 115,915-22; Mar. 27; v. 236; p. 1215.
- Cotton piece goods. Boot Mills. No. 116,815; May 29; v. 238; p. 1635.
- Cotton piece goods. R. del Castillo & Company. No. 115,488; Feb. 20; v. 235; p. 1049.
- Cotton piece goods. Converse & Company. Nos. 119,668-70; Dec. 11; v. 245; p. 546.
- Cotton piece goods. J. A. Finn & Company. No. 114,878; Jan. 9; v. 234; p. 667.
- Cotton piece goods. Henry Glass & Co. No. 119,693; Dec. 11; v. 245; p. 547.
- Cotton piece goods. J. W. Goddard & Sons. No. 116,307; Apr. 24; v. 237; p. 1214.
- Cotton piece goods. S. E. Goldman Co. No. 115,851; Mar. 13; v. 236; p. 591.
- Cotton piece goods. P. S. Halpern. No. 116,844; May 29; v. 238; p. 1636.
- Cotton piece goods. Hunter Mfg. & Com. Co. No. 115,189; Jan. 30; v. 234; p. 1578.
- Cotton piece goods. Lonsdale Company. No. 116,146; Apr. 10; v. 237; p. 618.
- Cotton piece goods. Nathan and Cohen Co. No. 117,461; July 10; v. 240; p. 636.
- Cotton piece goods. Ponemah Mills. No. 117,467; July 10; v. 240; p. 637.
- Cotton piece goods. J. T. Richman. No. 115,393; Feb. 6; v. 235; p. 321.
- Cotton piece goods. Taylor, Clapp & Beall. Nos. 119,821-4; Dec. 11; v. 245; p. 551.
- Cotton piece goods. Wilton Manufacturing Company. No. 116,109; Apr. 3; v. 237; p. 307.
- Cotton piece goods and silk and cotton piece goods. Welsch & Culley. No. 119,845; Dec. 11; v. 245; p. 552.
- Cotton piece goods, corduroys, and velvets. Hockmeyer Bros. No. 117,758; July 31; v. 240; p. 1446.
- Cotton piece goods in the gray. Hunter Manufacturing & Commission Co. No. 119,315; Nov. 13; v. 244; p. 559.
- Cotton piece goods, nainsooks, and long-cloths. R. H. Macy & Co. No. 114,899; Jan. 9; v. 234; p. 668.
- Cotton piece goods, pillow-cases, and sheets. Poster Cotton Mills. No. 115,865; Mar. 13; v. 236; p. 592.
- Cotton piece goods. Woven. Neuss, Hesslein & Co. No. 116,231; Apr. 17; v. 237; p. 914.
- Cotton remnants and waste. Mill Remnants Company. No. 117,691; July 24; v. 240; p. 1163.
- Cotton-seed roughage. Buckeye Cotton Oil Company. No. 119,428; Nov. 20; v. 244; p. 813.
- Cotton-silk, cotton, &c., piece goods. Loveman Brothers. No. 117,454; July 10; v. 240; p. 636.
- Cotton-waste especially adapted for cleaning and polishing automobiles. W. C. Perry. No. 115,383; Feb. 6; v. 235; p. 320.
- Cotton, woolen, and linen piece goods. Joseph W. Woods & Sons Company. No. 118,367; Aug. 28; v. 241; p. 1154.
- Cough-drops. O. A. Rather. No. 117,059; June 12; v. 239; p. 652.
- Cough-drops. The Stern & Saalberg Company. Nos. 117,377-8; July 3; v. 240; p. 336.
- Cough-drops. The Vanola Company. No. 117,006; June 5; v. 239; p. 317.
- Cough-drops, Candy. McDowell, Pyle & Co. No. 115,526; Feb. 20; v. 235; p. 1050.
- Cough medicine. D. Becker. No. 117,285; July 3; v. 240; p. 333.
- Cough-syrup. E. M. Williams. No. 115,830; Mar. 6; v. 236; p. 280.
- Cough-tablets, oil liniment, salve, and suppositories. Bamacea Company. No. 119,864; Dec. 18; v. 245; p. 837.
- Coupons, Dairy, ice, merchandise, and lunch. National Checking Company. No. 117,463; July 10; v. 240; p. 637.
- Court-plaster, Liquid. Bauer & Black. No. 114,929; Jan. 16; v. 234; p. 1039.
- Crackers. Bishop & Company. No. 119,425; Nov. 20; v. 244; p. 813.
- Crackers and biscuits. Johnson Educator Food Co. No. 117,872; Aug. 7; v. 241; p. 295.
- Crackers, cakes, and biscuits. The Purity Biscuit Company. No. 118,996; Oct. 16; v. 243; p. 790.

Alphabetical list of trade-marks—Continued.

- Cranberries. American Cranberry Exchange. No. 114,671; Jan. 2; v. 234; p. 367.
- Crapes and Chinese silks in the piece, Japanese. The Rosenberg-Neuggass Co. No. 115,899; Mar. 20; v. 236; p. 885.
- Crapes and silks in the piece. Samuel J. Aronsohn, Inc. No. 114,923; Jan. 16; v. 234; p. 1039.
- Crash and panama cloths and imitation panama fabric. C. H. Goldsmith. No. 117,252; June 26; v. 239; p. 1205.
- Cravats. Meyer, Bacharach & Friedheim. No. 118,312; Aug. 28; v. 241; p. 1152.
- Cravats, neckties, and scarfs, Men's. Charmax Cravat Co. No. 115,939; Mar. 27; v. 236; p. 1216.
- Cream, Cold-. The E-ZE Products Co. No. 116,421; May 1; v. 238; p. 306.
- Cream, Cold-. Tryon Honey Balm Company. No. 118,719; Sept. 25; v. 242; p. 990.
- Cream, complexion-powder, rouge, &c., Cold-. W. A. McLeod. No. 118,548; Sept. 18; v. 242; p. 745.
- Cream for the relief of burns and for rubbing on the hands as a protection against acid-burns, Antiseptic. A. J. Cole. No. 119,508; Nov. 27; v. 244; p. 1081.
- Cream, hair-tonic, face-lotion for use after shave or when desired, Face-. A. B. Moler. No. 116,673; May 15; v. 238; p. 978.
- Cream, powder, and stick, Shaving. W. J. Kelley. No. 117,158; June 19; v. 239; p. 935.
- Cream, Shaving-. Wilford Hall Laboratories. No. 118,656; Sept. 25; v. 242; p. 988.
- Cream, Toilet. The Elcaya Co. No. 115,744; Mar. 6; v. 236; p. 277.
- Cream, Vanishing. Home Products Company. No. 116,639; May 15; v. 238; p. 977.
- Cream, Vanishing face-. B. Fonstein. No. 118,765; Oct. 2; v. 243; p. 236.
- Creams and powders, Toilet. F. H. Young. No. 118,457; Sept. 4; v. 242; p. 251.
- Creams, Face-. F. Redmond. No. 116,360; Apr. 24; v. 237; p. 1215.
- Creams, Face and massage. F. N. Lewis. No. 117,888; Aug. 7; v. 241; p. 295.
- Creams, Liquid toilet. W. E. Evenson. No. 116,832; May 29; v. 238; p. 1635.
- Creams, Shaving-. A. H. Spilker. No. 118,232; Aug. 21; v. 241; p. 908.
- Creams, Toilet. Lambert Pharmacal Company. No. 117,884; Aug. 7; v. 241; p. 295.
- Creams, Witch-hazel and cold. S. I. Welsher. No. 118,839; Oct. 2; v. 243; p. 238.
- Cresote-carbonate preparation. Lyster Chemical Company. No. 118,057; Aug. 14; v. 241; p. 617.
- Cresote sulfonate with magnesium. Lyster Chemical Company. No. 118,067; Aug. 14; v. 241; p. 618.
- Crib or coop, Folding. Union Furniture & Novelty Company. No. 119,832; Dec. 11; v. 245; p. 551.
- Crochet-hooks. Dieckerhoff, Raflor & Co. No. 116,609; May 15; v. 238; p. 976.
- Crochet-hooks. Peerless Novelty Manufacturing Company. No. 115,794; Mar. 6; v. 236; p. 279.
- Crochet hooks or needles. The Clark Thread Company. No. 115,940; Mar. 27; v. 236; p. 1216.
- Crochet hooks or needles. The Clark Thread Company. No. 116,597; May 15; v. 238; p. 975.
- Crockery and earthenware. Lz. Phillips. No. 114,818; Jan. 2; v. 234; p. 371.
- Crockery, earthenware, and porcelain, Certain named, George Borgfeldt & Co. No. 119,427; Nov. 20; v. 244; p. 813.
- Crockery, earthenware, and porcelain, Certain named, George Borgfeldt & Co. No. 119,646; Dec. 11; v. 245; p. 546.
- Crockery, earthenware, and porcelain, Certain named, Goldenbergs. No. 119,604; Dec. 4; v. 245; p. 275.
- Crockery, earthenware, porcelain and china dishes, kitchen-receptacles. Goldman Costume Company. No. 118,466; Sept. 11; v. 242; p. 513.
- Crucibles. New Chicago Crucible Co. No. 119,878; Dec. 18; v. 245; p. 839.
- Crucibles. Vesuvius Crucible Company. No. 118,117; Aug. 14; v. 241; p. 619.
- Crucifixes and hierological statues and reliefs. The Pioneer Corporation. No. 118,812; Oct. 2; v. 243; p. 237.
- Cultivators and cultivator-blades. The Harriman Manufacturing Company. No. 119,073; Oct. 23; v. 243; p. 1061.
- Cultivators and parts thereof. International Harvester Company of New Jersey. No. 116,061; Apr. 3; v. 237; p. 306.
- Cultivators, roller-pulverizers, harrows, &c. Emerson-Brantingham Company. No. 115,174; Jan. 30; v. 234; p. 1578.
- Culvert pipes or tubes, Metal. A. N. Eaton. No. 115,947; Mar. 27; v. 236; p. 1216.
- Curtains, draperies, and ornamental door and window hangings of textile material, Lace. Loeb & Schoenfeld Company. No. 118,421; Sept. 4; v. 242; p. 250.
- Curtains, Lace and drapery. Martin Manufacturing Company. No. 116,075; Apr. 3; v. 237; p. 306.
- Curtains of knitted, netted, and textile fabrics trimmed with lace and material for same. E. Neumaier. No. 117,776; July 31; v. 240; p. 1446.
- Cutlery. De Boer & Bach. No. 118,004; Aug. 14; v. 241; p. 616.
- Cutlery, Certain named. Landers, Frary & Clark. No. 117,338; July 3; v. 240; p. 334.
- Cutlery for household use, Certain named. The Republic Metalware Co. No. 116,090; Apr. 3; v. 237; p. 307.
- Cutlery, machinery, and parts thereof, Certain named. A. Kreamer, Inc. No. 116,849; May 29; v. 238; p. 1636.
- Cutlery, machinery, and tools, and parts thereof, Certain named. American Steel Export Company. No. 119,487; Nov. 27; v. 244; p. 1081.
- Cutlery, machinery, and tools, and parts thereof, Certain named. John Chatillon & Sons. No. 119,505; Nov. 27; v. 244; p. 1081.
- Cutlery, machinery, and tools, and parts thereof, Certain named. The Cincinnati Butchers Supply Company. No. 117,110; June 19; v. 239; p. 934.
- Cutlery, machinery, and tools, and parts thereof, Certain named. The Crescent Co. No. 119,512; Nov. 27; v. 244; p. 1082.
- Cutlery, machinery, and tools, and parts thereof, Certain named. Deere & Company. No. 119,513; Nov. 27; v. 244; p. 1082.
- Cutlery, machinery, and tools, and parts thereof, Certain named. Eclipse Interchangeable Counterbore Company. No. 119,518; Nov. 27; v. 244; p. 1082.
- Cutlery, machinery, tools, and parts thereof, Certain named. Goldman Costume Company. No. 119,891; Dec. 18; v. 245; p. 840.
- Cutlery, machinery, and tools, and parts thereof, Certain named. Federal Export Corporation. No. 117,124; June 19; v. 239; p. 934.
- Cutlery, machinery, and tools, and parts thereof, Certain named. S. Flory Mfg. Co. No. 118,649; Sept. 25; v. 242; p. 988.
- Cutlery, machinery, and tools, and parts thereof, Certain named. Lawson & Company. No. 118,676; Sept. 25; v. 242; p. 989.
- Cutlery, machinery, and tools, and parts thereof, Certain named. Illinois Tool Works. No. 118,664; Sept. 25; v. 242; p. 988.
- Cutlery, machinery, and tools, and parts thereof, Certain named. International Clay Machinery Co. No. 118,665; Sept. 25; v. 242; p. 988.
- Cutlery, machinery, and tools, and parts thereof, Certain named. Ljusne Woxna Aktiebolag. No. 118,055; Aug. 14; v. 241; p. 617.
- Cutlery, machinery, and tools, and parts thereof, Certain named. The Marion Steam Shovel Company. No. 119,552; Nov. 27; v. 244; p. 1083.
- Cutlery, machinery, and tools, and parts thereof, Certain named. The National Safety Appliance Company. No. 115,655; Feb. 27; v. 235; p. 1351.
- Cutlery, machinery, and tools, and parts thereof, Certain named. Niles-Bement-Pond Company. No. 118,689; Sept. 25; v. 242; p. 989.
- Cutlery, machinery, and tools, and parts thereof, Certain named. Pratt & Whitney Company. No. 118,695; Sept. 25; v. 242; p. 989.
- Cutlery, machinery, and tools, and parts thereof, Certain named. F. L. Smith & Co. No. 119,920; Dec. 18; v. 245; p. 841.
- Cutlery, machinery, and tools, and parts thereof, Certain named. Thomson Machine Company. No. 118,107; Aug. 14; v. 241; p. 619.
- Cutlery, machinery, and tools, and parts thereof, Certain named. Wanderer Werke vorm. Winkhofer & Jaenicke Aktiengesellschaft. No. 116,809; May 22; v. 238; p. 1327.
- Cutlery, machinery, and tools, Certain named. Armstrong Bros. Tool Co. No. 115,574; Feb. 27; v. 235; p. 1349.
- Cutlery, machinery, and tools, Certain named. American Optical Company. No. 119,020; Oct. 23; v. 243; p. 1059.
- Cutters, Glass, tube, oval, and circle. The Fletcher. Terry Company. No. 115,324; Feb. 6; v. 235; p. 318.
- Cutting and welding, Certain instruments and parts used for. Carbo-Hydrogen Company of America. No. 115,487; Feb. 20; v. 235; p. 1049.
- Cyanid salts adapted for metallurgical and other uses. The Roessler & Hasslacher Chemical Co. Nos. 117,708-9; July 24; v. 240; p. 1163.
- Cycles and bicycles, Motor-. Haverford Cycle Company. No. 117,756; July 31; v. 240; p. 1445.
- Cycles and frames, forks, axles, wheels, and change-speed gear for same, Motor-. M. Goudard & Mennesson. No. 117,437; July 10; v. 240; p. 636.
- Dairy-culture. C. A. Owen. No. 116,446; May 1; v. 238; p. 306.
- Dairy ration. Stevens Milling & Feed Co. No. 117,942; Aug. 7; v. 241; p. 297.
- Dandruff and falling hair. The Longwood Laboratories. No. 116,534; May 8; v. 238; p. 646.
- Dandruff cure and hair-tonic. B. Vahratoglou. No. 119,409; Nov. 13; v. 244; p. 562.
- Dandruff-remover. Nusbaum & Brennerman. No. 115,012; Jan. 16; v. 234; p. 1042.
- Dandruff-remover and hair-dresser. S. O. S. Manufacturing Company. No. 117,374; July 3; v. 240; p. 336.
- Decolorizing powder. Port Morris Chemical Works. No. 115,801; Mar. 6; v. 236; p. 279.
- Dental cements and alloys. E. J. Keller. No. 119,323; Nov. 13; v. 244; p. 559.

- Dental cream. The Iodine Products Company. No. 118,784; Oct. 2; v. 243; p. 236.
- Dental impression-trays. R. H. Lieberthal. No. 118,891; Oct. 9; v. 243; p. 520.
- Dental impression-trays. Terraplastica Manufacturing Co. No. 117,219; June 19; v. 239; p. 937.
- Dental, medical, and surgical appliances, Certain named. Davol Rubber Company. No. 117,118; June 19; v. 239; p. 934.
- Dental, medical, and surgical appliances, Certain named. Maryland Rubber Company. No. 115,984; Mar. 27; v. 236; p. 1217.
- Dental, medical, and surgical appliances, Certain named. United States Rubber Company. No. 118,929; Oct. 9; v. 243; p. 521.
- Dental, medical, and surgical appliances, Certain named. L. J. Weinstein. No. 119,151; Oct. 23; v. 243; p. 1063.
- Dental paste, almond and cold creams. A. Wald. No. 115,562; Feb. 20; v. 235; p. 1052.
- Dental powder for assisting in holding dental plates in the mouth. Corega Chemical Company. No. 114,948; Jan. 16; v. 234; p. 1040.
- Dental pulp and root-canal instruments. S. W. Adler. Nos. 118,253-5; Aug. 28; v. 241; p. 1151.
- Dental tools and supplies. The Cleveland Dental Manufacturing Company. No. 115,305; Feb. 6; v. 235; p. 318.
- Dentifrices. Bucadyne Chemical Company. No. 116,504; May 8; v. 238; p. 645.
- Dentistry operations, Medicinal preparation for painless. Kalo-Kain Chemical Co. No. 117,335; July 3; v. 240; p. 334.
- Dentists' tablets for use in the treatment of teeth. J. A. Gardner. No. 115,444; Feb. 13; v. 235; p. 691.
- Deodorant. Perin, Inc. No. 116,919; June 5; v. 239; p. 314.
- Deodorizer and disinfectant. S. Neuman. No. 117,352; July 3; v. 240; p. 335.
- Deodorizing fluid for toilets. Odorless. W. H. Plunkett. No. 119,773; Dec. 11; v. 245; p. 549.
- Deodorizing liquids and compounds. Advertising Device Co. No. 119,237; Nov. 13; v. 244; p. 557.
- Depilatory. M. G. Farley. No. 115,950; Mar. 27; v. 236; p. 1215.
- Depilatory powder. Hall & Ruckel. No. 115,759; Mar. 6; v. 236; p. 278.
- Derails, Metal. The Madden Company. No. 115,644; Feb. 27; v. 235; p. 1351.
- Dessert-powder. The Wabash Chemical & Baking Powder Company. No. 115,823; Mar. 6; v. 236; p. 280.
- Detergent for the hands and fabrics, machinery, &c. E. Y. B. Engelman. No. 116,753; May 22; v. 238; p. 1325.
- Detergent paste for cleaning the human skin, textile fabrics, leather, and imitation leather. E-ZE Products Co. No. 117,654; July 24; v. 240; p. 1161.
- Dextrins, adhesive and soluble starch-gums. Chas. Morningstar & Co. No. 118,801; Oct. 2; v. 243; p. 237.
- Diapers. Georgia Cotton Mills. No. 118,287; Aug. 28; v. 241; p. 1152.
- Diapers, Hemmed. The Millville Manufacturing Company. No. 116,671; May 15; v. 238; p. 978.
- Die-castings. The Stewart Manufacturing Company. No. 119,582; Nov. 27; v. 244; p. 1084.
- Dippers for skimming milk contained in milk-bottles, Metallic. D. E. Hubbell. No. 115,188; Jan. 30; v. 234; p. 1578.
- Dish-washing machines. The Dietz Manufacturing Company. No. 114,951; Jan. 16; v. 234; p. 1040.
- Dish-washing machines. M. E. Hostater. No. 119,535; Nov. 27; v. 244; p. 1082.
- Dish-washing machines and vacuum-cleaners, Electric. Hurley Machine Company. No. 119,537; Nov. 27; v. 244; p. 1082.
- Disinfectant. General Laboratories. No. 119,296; Nov. 13; v. 244; p. 558.
- Disinfectant. McKesson & Robbins. No. 117,681; July 24; v. 240; p. 1162.
- Disinfectant. National Paper Products Company. No. 116,348; Apr. 24; v. 237; p. 1215.
- Disinfectant and insecticide preparations. H. F. Wex. No. 119,153; Oct. 23; v. 243; p. 1063.
- Disinfectant, antiseptic, germicide, &c. Pasteur Laboratories of America. No. 116,083; Apr. 3; v. 237; p. 306.
- Disinfectant, deodorant, and germicide. J. E. Gustafson. No. 119,302; Nov. 13; v. 244; p. 558.
- Disinfectant powder. The Chamberlain Co. No. 114,702; Jan. 2; v. 234; p. 368.
- Disinfectants. I. Ressler. No. 116,790; May 22; v. 238; p. 1326.
- Disinfectants. Standard Oil Company of New York. No. 119,810; Dec. 11; v. 245; p. 551.
- Disinfectants and insecticides. West Disinfecting Company. No. 115,130; Jan. 23; v. 234; p. 1309.
- Disinfecting fluid, Dental, medical, and surgical. Clarke-Guthrie Co. No. 116,884; June 5; v. 239; p. 313.
- Display frames and boxes. Textile Publishing Company. No. 117,615; July 17; v. 240; p. 938.
- Display stands, cases, and supports for electric-light outfits, &c. The Hawthorne Manufacturing Company Incorporated. No. 115,611; Feb. 27; v. 235; p. 1350.
- Display-stands for exhibiting perfumery in bottles and other articles for sale. Lundborg Company. No. 116,658; May 15; v. 238; p. 977.
- Distemper treatment. Delson Chemical Co. No. 117,650; July 24; v. 240; p. 1161.
- Dog-biscuits. Thoroughbred Dog Biscuit Co., Inc. No. 114,844; Jan. 2; v. 234; p. 372.
- Dolls. J. Gray Co. No. 116,768; May 22; v. 238; p. 1326.
- Dolls. R. G. Lindsay. No. 115,775; Mar. 6; v. 236; p. 278.
- Dolls. E. Mansfield. No. 119,745; Dec. 11; v. 245; p. 549.
- Dolls. M. B. Philips. No. 114,819; Jan. 2; v. 234; p. 371.
- Dolls. Rite Specialty Co. No. 116,682; May 15; v. 238; p. 978.
- Dolls. Saml. Gabriel Sons & Company. No. 116,135; Apr. 10; v. 237; p. 617.
- Dolls. H. Sieben. No. 116,797; May 22; v. 238; p. 1327.
- Dolls. The Utley Company. No. 117,618; July 17; v. 240; p. 938.
- Dolls and tennis-rackets. E. I. Horsman Co. No. 117,865; Aug. 7; v. 241; p. 295.
- Dolls and the heads, bodies, and limbs thereof. Trilon Toy Company. No. 116,381; Apr. 24; v. 237; p. 1216.
- Dolls, doll-houses, toy houses, figures, &c. The Beaver Company. No. 116,814; May 29; v. 238; p. 1635.
- Dolls made of certain named materials or combinations thereof. Best & Company. No. 117,511; July 17; v. 240; p. 935.
- Dolls, manikins, and toy animal figures. Sig. Schwartz Co. No. 119,236; Nov. 6; v. 244; p. 287.
- Doughnuts. The Economy Food Products Co. No. 118,010; Aug. 14; v. 241; p. 616.
- Drains, Floor-. Crampton-Farley Brass Co. No. 116,604; May 15; v. 238; p. 976.
- Drawings for aids in child instruction, Skeleton. Barrington Graphoprint Company. Nos. 114,927-8; Jan. 16; v. 234; p. 1039.
- Drawings for use as aids in child instruction, Skeleton. Barrington Graphoprint Company. No. 115,145; Jan. 30; v. 234; p. 1577.
- Dress and snap fasteners. Samstag & Hilder Bros. No. 116,794; May 22; v. 238; p. 1326.
- Dress fabric with cotton warp and filling of wool, &c. Leshner, Whitman & Co. No. 117,340; July 3; v. 240; p. 334.
- Dress-fasteners, snap buttons and fasteners. Burnstine & Nachman. No. 117,640; July 24; v. 240; p. 1161.
- Dress-shields. I. B. Kleiwert Rubber Company. No. 119,966; Dec. 25; v. 245; p. 1022.
- Dresses. Goldman Costume Company. No. 115,755; Mar. 6; v. 236; p. 278.
- Dresses and petticoats. A. H. Morgen. No. 117,460; July 10; v. 240; p. 636.
- Dresses, aprons, and apron-dress, Ladies' and children's. Sanger Brothers. No. 118,431; Sept. 4; v. 242; p. 251.
- Dresses, bibs, aprons, Wash. E. Austin Garment Co. No. 118,138; Aug. 21; v. 241; p. 905.
- Dresses, bungalow-aprons, middy-blouses, wash-skirts. The B. K. Mfg. Co. No. 116,029; Apr. 3; v. 237; p. 305.
- Dresses, Children's. Elite Garment Company of Syracuse, N. Y. No. 115,173; Jan. 30; v. 234; p. 1578.
- Dresses, Children's. Elite Garment Company. No. 118,870; Oct. 9; v. 243; p. 519.
- Dresses, cloaks, and suits, Ladies'. C. M. Bernstein. No. 116,113; Apr. 10; v. 237; p. 617.
- Dresses, coats, suits, skirts, &c. The Robbins Dress Company. No. 119,000; Oct. 16; v. 243; p. 791.
- Dresses, house-gowns, aprons, Women's, misses', and children's. Biberman Brothers. No. 119,249; Nov. 13; v. 244; p. 557.
- Dresses, Ladies'. Marion Dress Co. No. 116,961; June 5; v. 239; p. 315.
- Dresses, Ladies'. J. Rosenberg. No. 117,784; July 31; v. 240; p. 1446.
- Dresses, Ladies' and misses'. Shapero, Lewis & Co. No. 118,438; Sept. 4; v. 242; p. 251.
- Dresses, outer skirts, shirt-waists, middy-blouses. Southland Garment Mfg. Company. No. 118,443; Sept. 4; v. 242; p. 251.
- Dresses, waists, and guimpes. The Drezwell Co. No. 118,167; Aug. 21; v. 241; p. 906.
- Dresses, Women's. Sassy Jane Manufacturing Company. No. 118,920; Oct. 9; v. 243; p. 521.
- Dressing for open wounds and liniment for the relief of pain. B. L. Mosso. No. 118,553; Sept. 18; v. 242; p. 745.
- Dried fruits, raisins, and canned vegetables. California Packing Corporation. No. 119,652; Dec. 11; v. 245; p. 546.
- Driers. Ruggles-Coles Engineering Co. No. 114,826; Jan. 2; v. 234; p. 371.
- Driers. Touzey Varnish Company. No. 115,253; Jan. 30; v. 234; p. 1580.
- Driers for driving off free moisture from various materials. Ruggles-Coles Engineering Co. No. 116,981; June 5; v. 239; p. 316.
- Drill-sharpening machines, Fluid-operated. The J. Geo. Leyner Engineering Works Company. No. 118,677; Sept. 25; v. 242; p. 989.
- Drills and air-pumps, Electric. The Black & Decker Manufacturing Company. No. 117,982; Aug. 14; v. 241; p. 615.

Alphabetical list of trade-marks—Continued.

- Drills, reamers, cutters, and special cutting-tools. Detroit Twist Drill Co. No. 118,007; Aug. 14; v. 241; p. 616.
- Drink, Carbonated non-alcoholic soft. Temperance Beverage Company. No. 116,013; Mar. 27; v. 236; p. 1218.
- Drink, Carbonated soft. The Madison Bottling Works. No. 115,099; Jan. 23; v. 234; p. 1308.
- Drink, Non-intoxicating brewed soft. Val. Blatz Brewing Co. No. 116,500; May 8; v. 238; p. 645.
- Drink or beverage, Soft. G. A. Buhl. No. 117,101; June 19; v. 239; p. 933.
- Drink or beverage, Soft. North Western Company. No. 116,918; June 5; v. 239; p. 314.
- Drink or beverage, Soft. United Breweries Company. No. 119,929; Dec. 18; v. 245; p. 841.
- Drink, Soft. Cantrell & Dawson. No. 116,940; June 5; v. 239; p. 315.
- Drink, Soft. W. B. Fink. No. 117,127; June 19; v. 239; p. 934.
- Drink, Soft. J. B. Green. No. 119,528; Nov. 27; v. 244; p. 1082.
- Drink, Soft. E. W. Major. No. 117,570; July 17; v. 240; p. 937.
- Drink, Soft. Morris & Morris. No. 115,369; Feb. 6; v. 235; p. 320.
- Drink, Soft. The Thomas Advertising Service. No. 118,592; Sept. 18; v. 242; p. 746.
- Drink, Soft. The Wahl-Henius Research Laboratory. No. 119,930; Dec. 18; v. 245; p. 841.
- Drink, Soft. A. Zimetbaum. No. 114,853; Jan. 2; v. 234; p. 372.
- Drinks and syrup therefor, Carbonated soft. Wilbraham Springs Company. No. 117,013; June 5; v. 239; p. 317.
- Drinks, Carbonated soft. J. G. Cleidon. No. 116,402; May 1; v. 238; p. 305.
- Drinks, Certain named soft. The S. & S. Water Company. No. 115,669; Feb. 27; v. 235; p. 1352.
- Drinks, Soft. M. Gerber, M. D. No. 117,658; July 24; v. 240; p. 1162.
- Drinks, Soft. Mixola Company. No. 118,555; Sept. 18; v. 242; p. 745.
- Drinks, Water and soft. J. S. Merrill. No. 115,648; Feb. 27; v. 235; p. 1351.
- Drinking-bowl, Animal. Livestock Individual Drinking Fountain Company. No. 118,793; Oct. 2; v. 243; p. 237.
- Duck, Cotton. Wellington, Sears & Company. No. 116,709; Feb. 27; v. 235; p. 1353.
- Duck, tire fabric, canvas, sail and tent cloths, cotton bagging. Katama Mills. No. 118,417; Sept. 4; v. 242; p. 250.
- Dumb-bells. Interstate Cartoon Co. No. 117,148; June 19; v. 239; p. 935.
- Duplicating or multicopying machines. Duplicator Manufacturing Company. No. 115,497; Feb. 20; v. 235; p. 1049.
- Duplicators. Graphic Duplicator Company. No. 117,253; June 26; v. 239; p. 1205.
- Duplicators—namely, apparatus for producing facsimiles of manuscripts, type-writing, &c. D. Hyams. No. 116,218; Apr. 17; v. 237; p. 913.
- Dye. Payne Chemical Company. No. 117,357; July 3; v. 240; p. 335.
- Dye, Vegetable. C. C. Mengel & Bro. Co. No. 119,344; Nov. 13; v. 244; p. 560.
- Dyes. Bachmeier & Co. No. 117,975; Aug. 14; v. 241; p. 615.
- Dyes. Dye Products Company of the United States. No. 116,047; Apr. 3; v. 237; p. 305.
- Dyes. Sunset Soap Dye Company. No. 116,009; Mar. 27; v. 236; p. 1218.
- Dyes. Sunset Soap Dye Company. No. 116,250; Apr. 17; v. 237; p. 914.
- Dyes and dye-bases. Hoffman & Kropff Chemical Co. No. 114,760; Jan. 2; v. 234; p. 369.
- Dyes for dyeing leather. A. Passero. No. 118,808; Oct. 2; v. 243; p. 237.
- Dyes in soluble tablet form. De Luxe Mfg. Co. No. 118,630; Sept. 25; v. 242; p. 987.
- Dyes, Vegetable. Logwood Products Corporation. No. 117,676; July 24; v. 240; p. 1162.
- Dyewood extracts. MacAndrews & Forbes Company. No. 116,908; June 5; v. 239; p. 314.
- Eau-de-cologne. Benser, Hayward & Booth. No. 119,253; Nov. 13; v. 244; p. 557.
- Eggs, Powdered. The Cabell Company. No. 115,733; Mar. 6; v. 236; p. 277.
- Eggs. Collins & Barnard Co. No. 114,716; Jan. 2; v. 234; p. 368.
- Eggs. Colytic Corporation. No. 118,953; Oct. 16; v. 243; p. 789.
- Eggs, butter, butterin, oleomargarin, cheese. The W. J. Hartzel Company. No. 117,140; June 19; v. 239; p. 935.
- Ejectors and air-pumps. C. H. Wheeler Manufacturing Company. No. 115,047; Jan. 16; v. 234; p. 1043.
- Electric flash-lights and dry batteries. The Elray Co. No. 115,949; Mar. 27; v. 236; p. 1216.
- Electric heating-pads. The Goodwill Electric Company. No. 116,624; May 15; v. 238; p. 976.
- Electric generators, motors, switchboards, &c. Brite-Lite Company. No. 119,600; Dec. 4; v. 245; p. 275.
- Electric-light carbons. Firm of C. Conradty. No. 116,040; Apr. 3; v. 237; p. 305.
- Electric lights and dry batteries, Portable. National Carbon Company. No. 117,262; June 26; v. 239; p. 1205.
- Electric-lighting fixtures. D. Crownfield. No. 115,163; Jan. 30; v. 234; p. 1577.
- Electric-lighting fixtures. The Mitchell Vance Company. Nos. 119,907-8; Dec. 18; v. 245; p. 840.
- Electric-lighting fixtures and parts thereof. B. F. Klein. No. 116,222; Apr. 17; v. 237; p. 913.
- Electric-lighting fixtures, lamps, and parts thereof. The F. W. Wakefield Brass Company. No. 119,931; Dec. 18; v. 245; p. 841.
- Electric meters, registers, calculators, and thermostats. Manhattan Electrical Supply Company. No. 115,203; Jan. 30; v. 234; p. 1579.
- Electric motor-car-lighting systems. Detroit Starter Co. No. 118,006; Aug. 14; v. 241; p. 616.
- Electric relays, magnets, switches, motors, &c. D. C. Larson. No. 115,196; Jan. 30; v. 234; p. 1578.
- Electric spitters. A. J. Averell. No. 118,614; Sept. 25; v. 242; p. 987.
- Electric window-lighting and signs. Chase Electric Company. No. 116,400; May 1; v. 238; p. 305.
- Electrical apparatus and supplies. Landers, Frary & Clark. No. 117,163; June 19; v. 239; p. 935.
- Electrical apparatus and supplies, Certain named. Enterprise Electric Novelty Co. No. 118,643; Sept. 25; v. 242; p. 988.
- Electrical apparatus and supplies, Certain named. Federal Export Corporation. No. 117,125; June 19; v. 239; p. 934.
- Electrical apparatus and supplies, Certain named. The National Safety Appliance Company. No. 117,579; July 17; v. 240; p. 937.
- Electrical apparatus and supplies, Certain named. The Pioneer Corporation. No. 118,086; Aug. 14; v. 241; p. 618.
- Electrical apparatus, machines, and supplies, Certain named. Arrow Fuse & Mfg. Co. No. 119,490; Nov. 27; v. 244; p. 1081.
- Electrical apparatus, machines, and supplies, Certain named. Carl Anderson Electric Corporation. No. 116,935; June 5; v. 239; p. 315.
- Electrical apparatus, machines, and supplies, Certain named. Ford Motor Company. No. 115,500; Feb. 20; v. 235; p. 1050.
- Electrical apparatus, machines, and appliances, Certain named. Goldman Costume Company. No. 118,404; Sept. 4; v. 242; p. 250.
- Electrical apparatus, machines, and supplies, Certain named. A. Graham & Co. No. 119,072; Oct. 23; v. 243; p. 1060.
- Electrical apparatus, machines, and supplies, Certain named. Manhattan Electrical Supply Company. No. 114,900; Jan. 9; v. 234; p. 668.
- Electrical apparatus, machines, and supplies, Certain named. Thos. Crosbee & Sons. No. 118,002; Aug. 14; v. 241; p. 616.
- Electrical apparatus, machines, and supplies, Certain named. Wisconsin Electric Company. No. 119,596; Nov. 27; v. 244; p. 1084.
- Electrical appliances, Certain named. Electric Ignition Company. No. 118,641; Sept. 25; v. 242; p. 988.
- Electrical cables or conductors. Hazard Manufacturing Company. No. 118,660; Sept. 25; v. 242; p. 988.
- Electrical conductors or cables. Motor Parts Company. No. 115,210; Jan. 30; v. 234; p. 1579.
- Electrical conduits. Triangle Conduit Co. No. 118,834; Oct. 2; v. 243; p. 238.
- Electrical purposes, Certain named materials for. Irvington Varnish & Insulator Co. No. 119,542; Nov. 27; v. 244; p. 1083.
- Electrical specialties and conduit-fittings. Chas. G. Robin, Inc. No. 116,158; Apr. 10; v. 237; p. 618.
- Electrical test-clips. R. S. Mueller & Co. No. 116,230; Apr. 17; v. 237; p. 914.
- Electrical wires and cables, Rubber-covered. The Electric Cable Co. No. 118,640; Sept. 25; v. 242; p. 987.
- Electrodes, Arc-lamp. National Carbon Company. No. 117,188; June 19; v. 239; p. 936.
- Electrolyte. I. C. Scudder. No. 116,795; May 22; v. 238; p. 1326.
- Elevators. Otis Elevator Company. No. 116,080; Apr. 3; v. 237; p. 306.
- Embalming fluid. T. W. Kaechele. No. 117,874; Aug. 7; v. 241; p. 295.
- Embroidered patterns for subsequent conversion into certain named articles. Mail Order House of Switzerland. No. 117,894; Aug. 7; v. 241; p. 295.
- Embroideries made of silk and wool, and suspenders. A. M. Malouf. No. 116,440; May 1; v. 238; p. 306.
- Embroidering-machines, jacquards, punching-machines and parts thereof, &c. The Robert Reiner Importing Co. No. 116,004; Mar. 27; v. 236; p. 1217.
- Embroidery-floss. Art Embroidery and Button Co. No. 119,163; Oct. 30; v. 243; p. 1305.
- Embroidery tinsel, floss, silk, cord and rope. Campbell, Metzger & Jacobson. No. 116,287; Apr. 24; v. 237; p. 1213.
- Emulsifier. J. L. Hopkins & Company. No. 119,713; Dec. 11; v. 245; p. 548.
- Emulsions, Composition for use in the preparation of. S. B. Penick & Company. No. 118,083; Aug. 14; v. 241; p. 618.

- Enamel, Metal. W. E. Martin. No. 119,096; Oct. 23; v. 243; p. 1061.
- Enamel ware. M. Weiss. No. 119,414; Nov. 13; v. 244; p. 562.
- Enamel, White. Baer Brothers. No. 117,507; July 17; v. 240; p. 935.
- Engine attachments, Internal-combustion-. R. Hikish. No. 116,059; Apr. 3, v. 237; p. 306.
- Engine, Internal-combustion. Curtiss Aeroplane and Motor Corporation. No. 118,003; Aug. 14; v. 241; p. 616.
- Engine-starters other than electrical. The Little Giant Starter Company. No. 118,058; Aug. 14; v. 241; p. 617.
- Engine steam-supplying attachment, Internal-combustion-. Motor-Steam Generator Co. No. 118,077; Aug. 14; v. 241; p. 618.
- Engine stop mechanism. Falls Motors Corporation. No. 114,958; Jan. 16; v. 234; p. 1040.
- Engines and parts thereof, Fluid-pressure. International Harvester Corporation. No. 116,221; Apr. 17; v. 237; p. 913.
- Engines and parts thereof for aeroplanes and motor-vehicles other than motor-bicycles, Internal-combustion. The Sunbeam Motor Car Company. No. 118,104; Aug. 14; v. 241; p. 619.
- Engines, Apparatus for supplying moisture to the cylinders of gas-. A. A. Friestedt. No. 116,054; Apr. 3; v. 237; p. 306.
- Engines, Carbureting and gasifying apparatus for internal-combustion. Kerosene Motor Appliance Company. No. 119,545; Nov. 27; v. 244; p. 1083.
- Engines, Certain named devices for gas-. F. L. McMechen. No. 117,259; June 26; v. 239; p. 1205.
- Engines, clutches, and their parts, Internal-combustion. Continental Motors Corporation. No. 118,628; Sept. 25; v. 242; p. 987.
- Engines, Internal-combustion. Domestic Engine & Pump Co. No. 119,179; Oct. 30; v. 243; p. 1305.
- Engines, Internal-combustion. Worthington Pump and Machinery Corporation. No. 116,492; May 1; v. 238; p. 308.
- Engines, locomotives, and motors and their parts, Combustion-. United Combustion Company. No. 115,121; Jan. 23; v. 234; p. 1309.
- Engines, Oil-. Sears, Roebuck and Co. No. 115,676; Feb. 27; v. 235; p. 1352.
- Engines, Steam-. Estate of J. A. Willis. No. 118,125; Aug. 14; v. 241; p. 620.
- Engines, Traction-. Moline Plow Co. No. 118,684; Sept. 25; v. 242; p. 989.
- Envelops. United States Envelope Company. No. 117,720; July 24; v. 240; p. 1164.
- Envelops, letter and bill heads, drafts, &c. Hesse Envelope & Litho. Company. No. 117,322; July 3; v. 240; p. 334.
- Eraser, Chemical ink-. N. Cole. No. 115,845; Mar. 13; v. 236; p. 591.
- Etching solutions and compounds. The Etch-O-Lite Company. No. 118,015; Aug. 14; v. 241; p. 616.
- Evaporators, Fruit and vegetable. Eastern Mfg. Co. No. 119,885; Dec. 18; v. 245; p. 840.
- Explosives for use in bombs. R. H. Dick. No. 117,745; July 31; v. 240; p. 1445.
- Extracts derived from chestnut woods. Kingsport Extract Corporation. No. 115,635; Feb. 27; v. 235; p. 1351.
- Eye-bath. Sanitol Chemical Laboratory Co. No. 119,381; Nov. 13; v. 244; p. 561.
- Eye treatment, Medicinal preparation for. Viroculin Co. No. 115,906; Mar. 20; v. 236; p. 886.
- Eye-wash. G. A. Pettitt. No. 115,796; Mar. 6; v. 236; p. 279.
- Eye-wash, Antiseptic. S. H. McKean. No. 117,344; July 3; v. 240; p. 335.
- Eye-water. W. J. Beyermann. No. 119,640; Dec. 11; v. 245; p. 545.
- Eyelets for fastening purposes. Machine Appliance Corporation. No. 118,550; Sept. 18; v. 242; p. 745.
- Fabric in the piece, Woven. The Salt's Textile Manufacturing Company. No. 117,267; June 26; v. 239; p. 1206.
- Fabric woven of worsted and woolen yarns and silk for garments and coverings. Holden-Leonard Co. No. 117,442; July 10; v. 240; p. 636.
- Fabric woven of worsted and woolen yarns and silk for garments and coverings. Holden-Leonard Co. No. 117,759; July 31; v. 240; p. 1446.
- Fabrics for use as a shoe-cloth, Adhesively-united laminated. H. Gitterman & Co. No. 115,749; Mar. 6; v. 236; p. 278.
- Fabrics in the piece, Pile. Sidney Blumenthal & Co. Nos. 117,984-5; Aug. 14; v. 241; p. 615.
- Fabrics, Knitted, netted, and textile. B. & H. Simon Company. No. 117,936; Aug. 7; v. 241; p. 297.
- Fabrics, Woolen dress. Wm. F. Read & Sons Company. No. 119,116; Oct. 23; v. 243; p. 1062.
- Fancy goods, furnishings, and notions, Certain named. Bernhard Ulmann Co. No. 119,830; Dec. 11; v. 245; p. 551.
- Fancy goods, furnishings, and notions, Certain named. Brown Durrell Co. No. 118,380; Sept. 4; v. 242; p. 249.
- Fancy goods, furnishings, and notions, Certain named. George Borgfeldt & Co. No. 119,426; Nov. 20; v. 244; p. 813.
- Fancy goods, furnishings, and notions, Certain named. Goldman Costume Company. No. 118,406; Sept. 4; v. 242; p. 250.
- Fancy goods, furnishings, and notions, Certain named. E. Lokesch & Sohn. No. 118,281; Aug. 28; v. 241; p. 1151.
- Fancy goods, furnishings, and notions, Certain named. Martins Birmingham Limited. No. 118,425; Sept. 4; v. 242; p. 250.
- Fancy goods, furnishings, and notions, Certain named. Waldes & Co. Nos. 117,386-7; July 3; v. 240; p. 336.
- Fancy goods, furnishings, and notions, Certain named. Waldes & Co. Nos. 118,357-8; Aug. 28; v. 241; p. 1154.
- Fancy goods, furnishings, and notions, Certain named. Waldes & Co. No. 118,598; Sept. 18; v. 242; p. 746.
- Fancy goods in the piece. Appleton Company. No. 119,630; Dec. 11; v. 245; p. 545.
- Fans, blowers, and radiators, Ventilating, circulating, and exhaust. J. D. Parker. No. 118,471; Sept. 11; v. 242; p. 513.
- Fasteners, Dress snap-. Mills & Gibb Corporation. No. 119,102; Oct. 23; v. 243; p. 1061.
- Fasteners for feminine apparel only, Snap. M. Nathan. No. 116,346; Apr. 24; v. 237; p. 1215.
- Fasteners of all kinds, Snap-. Waldes & Co. No. 115,469; Feb. 13; v. 235; p. 692.
- Fasteners, Snap-. The Autoyre Co. Nos. 115,721-2; Mar. 6; v. 236; p. 277.
- Fasteners, Snap-. The Autoyre Co. No. 118,738; Oct. 2; v. 243; p. 235.
- Fat, Cooking-. The Procter & Gamble Company. No. 114,822; Jan. 2; v. 234; p. 371.
- Fat, Cooking-. The Procter & Gamble Company. No. 117,704; July 24; v. 240; p. 1163.
- Feed and cotton-seed mixed feed, Stock. The Cottonseed Products Co. No. 116,603; May 15; v. 238; p. 976.
- Feed, Dairy. Best-Clymer Manufacturing Company. Nos. 115,150-1; Jan. 30; v. 234; p. 1577.
- Feed, Dairy. Tioga Mill & Elevator Co. No. 115,119; Jan. 23; v. 234; p. 1309.
- Feed for farm-stock. The Shoemaker Company. Nos. 118,821-3; Oct. 2; v. 243; p. 238.
- Feed for horses, mules, cattle, and chickens, Cereal. W. Sturges. No. 115,687; Feb. 27; v. 235; p. 1352.
- Feed for stock, Fattening. Best-Clymer Manufacturing Company. No. 115,152; Jan. 30; v. 234; p. 1577.
- Feed for swine. M. C. Peters Mill Co. No. 119,768; Dec. 11; v. 245; p. 549.
- Feed, Horse and mule. Best-Clymer Manufacturing Company. No. 115,149; Jan. 30; v. 234; p. 1577.
- Feed, Poultry. Canadian Mill & Elevator Co. No. 115,067; Jan. 23; v. 234; p. 1307.
- Feed, Poultry. Geo. B. Matthews & Sons. No. 117,458; July 10; v. 240; p. 636.
- Feed, Poultry. Sears, Roebuck and Co. No. 115,677; Feb. 27; v. 235; p. 1352.
- Feed, Stock. Chas. A. Krause Milling Co. No. 116,325; Apr. 24; v. 237; p. 1214.
- Feed, Stock. Estate of H. C. Minor. No. 118,427; Sept. 4; v. 242; p. 250.
- Feed, Stock. G. B. Matthews & Sons. No. 117,178; June 19; v. 239; p. 936.
- Feed used for a milk substitute for growing calves. M. C. Peters Mill Co. No. 119,767; Dec. 11; v. 245; p. 549.
- Feed, Wheat. Russell-Miller Milling Company. No. 116,363; Apr. 24; v. 237; p. 1216.
- Feeds, Dairy and stock. Arcady Farms Milling Company. No. 115,719; Mar. 6; v. 236; p. 277.
- Feeds for animals, Mixed. Grain Belt Mills Company. No. 118,520; Sept. 18; v. 242; p. 744.
- Feeds, Mixed animal. Spartan Grain & Mill Co. No. 117,939; Aug. 7; v. 241; p. 297.
- Feeds, Poultry, scratch, little-chick, and pigeon. S. Goldberg. No. 116,308; Apr. 24; v. 237; p. 1214.
- Feeders, drinking-fountains, and water-holders for poultry. The Park & Pollard Company. No. 117,910; Aug. 7; v. 241; p. 296.
- Fencing, Wire. The Cussins & Fearn Co. No. 116,749; May 22; v. 238; p. 1325.
- Ferric sulfate in solution. The Westmoreland Chemical and Color Company. No. 117,725; July 24; v. 240; p. 1164.
- Ferrules, tips, and fingers of brushes for bottle-washing machines. The S. S. Wenzell Machine Company. No. 117,391; July 3; v. 240; p. 336.
- Fertilizer. The Coe-Mortimer Company. No. 117,419; July 10; v. 240; p. 635.
- Fertilizer. The Molassine Company. No. 115,651; Feb. 27; v. 235; p. 1351.
- Fertilizer. Sears, Roebuck and Co. No. 117,477; July 10; v. 240; p. 637.
- Fertilizer. J. L. Stoltz. No. 118,829; Oct. 2; v. 243; p. 238.
- Fertilizer. William B. Tilghman Co. No. 118,110; Aug. 14; v. 241; p. 619.
- Fertilizer consisting of cotton-seed meal. Union Seed & Fertilizer Company. No. 116,169; Apr. 10; v. 237; p. 619.
- Fertilizers. The American Agricultural Chemical Company. No. 117,730; July 31; v. 240; p. 1445.

Alphabetical list of trade-marks—Continued.

- Fertilizers. The Berg Company. No. 114,932; Jan. 16; v. 234; p. 1039.
- Fertilizers. Hampton Guano Company. No. 115,332; Feb. 6; v. 235; p. 819.
- Fertilizers. William B. Tilghman Company, Inc. No. 119,826; Dec. 11; v. 245; p. 551.
- Fertilizers. The Wuchet Fertilizer Company. No. 116,023; Mar. 27; v. 236; p. 1218.
- Fertilizers and acid phosphate. Complete. Southern Fertilizer & Chemical Company. No. 115,406; Feb. 6; v. 235; p. 321.
- Fertilizers, and particularly fertilizers composed of animal matter. Darling & Company. No. 117,838; Aug. 7; v. 241; p. 294.
- Fiber used for plastering purposes. Tomkins Brothers. No. 115,416; Feb. 6; v. 235; p. 321.
- Files and burnishers. Manicure. Harris & Berntz Co. No. 119,707; Dec. 11; v. 245; p. 547.
- Files, tweezers, and blackhead-removers. Nail-. J. Hopkins. No. 118,778; Oct. 2; v. 243; p. 236.
- Film-cement. The Commercial Paste Co. No. 117,741; July 31; v. 240; p. 1445.
- Filters and filtering apparatus. Industrial Filtration Corporation. No. 118,781; Oct. 2; v. 243; p. 236.
- Finger-nail polish. O-Mi Specialty Company. No. 115,994; Mar. 27; v. 236; p. 1217.
- Finger-print apparatus. M. H. Scott. No. 119,918; Dec. 18; v. 245; p. 841.
- Finger-rings and card jewelry. Ostby and Barton Company. No. 115,104; Jan. 23; v. 234; p. 1308.
- Fire-extinguishers. Chemical. American La France Fire Engine Co. No. 116,934; June 5; v. 239; p. 315.
- Fire-extinguishers. Chemical. The Bargar Mfg. Co. No. 114,861; Jan. 9; v. 234; p. 667.
- Fire-extinguishers, drills, taps, and reamers. The Wirthlin-Mann Company. No. 117,892; July 3; v. 240; p. 336.
- Fire-extinguishing compound. The Nu-Ex Fire Appliance Co. No. 116,548; May 8; v. 238; p. 646.
- Fire-kindlers. Hobo Manufacturing Co. No. 115,513; Feb. 20; v. 235; p. 1050.
- Fire-retardant. Arentox Company. No. 117,973; Aug. 14; v. 241; p. 615.
- Fireproofing in structural work. Composition sheets for. The General Fireproofing Co. No. 115,954; Mar. 27; v. 236; p. 1216.
- Fireworks. Detwiler & Street Fireworks Manufacturing Company. Nos. 116,605-8; May 15; v. 238; p. 976.
- Fireworks. Detwiler & Street Fireworks Manufacturing Company. No. 117,531; July 17; v. 240; p. 936.
- Fish, and particularly codfish. Dried. Union Fish Co. No. 117,227; June 19; v. 239; p. 937.
- Fish, crab-meat, Tuna. Seggerman Bros. No. 116,689; May 15; v. 238; p. 978.
- Fish croquettes. Pigved Importing Co. No. 117,126; June 19; v. 239; p. 934.
- Fish, Filamented preserved. Frank E. Davis Company. No. 117,743; July 31; v. 240; p. 1445.
- Fish, Salted, smoked, pickled, fresh, and canned. F. L. Davis. No. 116,750; May 22; v. 238; p. 1325.
- Fish, Smoked. J. S. Hawley, Jr. No. 117,556; July 17; v. 240; p. 936.
- Fishing-lines. Castine Line & Twine Company. Nos. 118,747-8; Oct. 2; v. 243; p. 235.
- Fishing-reels. A. F. Meisselbach & Brother. No. 117,573; July 17; v. 240; p. 937.
- Fishing reels, rods, hooks, and nets, balls, toys, &c. Schmelzer Arms Co. No. 116,244; Apr. 17; v. 237; p. 914.
- Fishing-rod reels. The Horton Manufacturing Co. Nos. 117,560-1; July 17; v. 240; p. 936.
- Flagstaff, &c., holders. W. L. Deming. No. 119,054; Oct. 23; v. 243; p. 1060.
- Flash-lights, Hand. H. L. Kirk. No. 119,085; Oct. 23; v. 243; p. 1061.
- Flavoring compound for soft drinks. R. Zieve. No. 117,016; June 5; v. 239; p. 317.
- Flavoring extracts and spices. Food-. Bruhn Medical Company. No. 118,949; Oct. 16; v. 243; p. 789.
- Flavoring extracts, Certain named. Joseph Burnett Co. No. 116,191; Apr. 10; v. 237; p. 619.
- Flavoring extracts for confectioners', bakers', &c., use. The Schuster Company. No. 117,932; Aug. 7; v. 241; p. 297.
- Flavoring extracts for foods. The Hudson Mfg. Co. No. 115,088; Jan. 23; v. 234; p. 1308.
- Flavoring extracts for foods, and spices. D. & L. Slade Co. No. 115,115; Jan. 23; v. 234; p. 1309.
- Flavoring foods, Extract of lemon for. The Home Products Company. No. 117,042; June 12; v. 239; p. 651.
- Flavoring for pies and cakes. Lemonola Manufacturing Company. No. 117,887; Aug. 7; v. 241; p. 295.
- Flavoring-syrups for soft drinks, &c. F. Weber. No. 114,850; Jan. 2; v. 234; p. 372.
- Floor-covering. Composition. Nairn Linoleum Co. No. 119,349; Nov. 13; v. 244; p. 560.
- Floor-coverings made from felt saturated with asphaltum and coated on both surfaces. Judson & Aird. No. 115,086; Jan. 23; v. 234; p. 1308.
- Floor-dressing. Antiseptic. Frederick Disinfectant Co. No. 116,895; June 5; v. 239; p. 313.
- Floor dressings and polishes. National Paper Products Company. No. 116,782; May 22; v. 238; p. 1326.
- Floor-hardener, Metallic pulverized. A. T. Malmel & Co. No. 119,971; Dec. 25; v. 245; p. 1022.
- Floor-surface, furniture, and automobile polish. E. F. Ballard. No. 118,618; Sept. 25; v. 242; p. 987.
- Floor-surfacing composition. Vitri-fyx Company. No. 119,410; Nov. 13; v. 244; p. 562.
- Floss, thread, machine-twist, darning-cotton, &c. Western Thread Company. No. 119,012; Oct. 16; v. 243; p. 791.
- Flour and cereal. Wheat. Novelty Mill Company. No. 117,191; June 19; v. 239; p. 936.
- Flour and self-rising flour. Wheat-. Kehlor Flour Mills Co. No. 117,446; July 10; v. 240; p. 636.
- Flour and stock feeds, Wheat-. Merrill & Mayo Co. No. 114,801; Jan. 2; v. 234; p. 371.
- Flour, Blended wheat and rye. Washburn Crosby Company. No. 117,957; Aug. 7; v. 241; p. 297.
- Flour, bran, and offal, Wheat. E. Aughenbaugh & Co. No. 118,763; Oct. 2; v. 243; p. 236.
- Flour, Buckwheat. Barley Foods Co. No. 116,275; Apr. 24; v. 237; p. 1213.
- Flour, cornmeal, and corn-grits, Wheat-. Schreiber Flour & Cereal Co. No. 119,383; Nov. 13; v. 244; p. 561.
- Flour, grain, and mill feed, Wheat-. Annan-Burg Grain & Milling Company. No. 118,735; Oct. 2; v. 243; p. 235.
- Flour, more specifically self-rising flour, Wheat-. Pfeffer Milling Company. Nos. 117,592-3; July 17; v. 240; p. 937.
- Flour, more specifically self-rising flour, Wheat-. Trenton Milling Co. No. 115,694; Feb. 27; v. 235; p. 1353.
- Flour, Pancake-. Bowles Bros. Co. No. 115,156; Jan. 30; v. 234; p. 1577.
- Flour, Rye-. A. Lerman. No. 117,165; June 19; v. 239; p. 935.
- Flour, Self-rising. Central Gro. Co. No. 116,192; Apr. 10; v. 237; p. 619.
- Flour, Self-rising. Seattle Grain Co. No. 117,613; July 17; v. 240; p. 938.
- Flour, Self-rising. Hadley Milling Company. Nos. 119,446-7; Nov. 20; v. 244; pp. 813-14.
- Flour, Self-rising wheat. Beeland-Nicholson Wholesale Co. No. 119,032; Oct. 23; v. 243; p. 1059.
- Flour, Self-rising wheat. Bowles Bros. Co. No. 116,190; Apr. 10; v. 237; p. 619.
- Flour, Self-rising wheat. Centennial Mill Co. No. 114,700; Jan. 2; v. 234; p. 368.
- Flour, Self-rising wheat. Centennial Mill Company. No. 119,258; Nov. 13; v. 244; p. 557.
- Flour, Self-rising wheat. H. C. Cole Milling Co. No. 119,661; Dec. 11; v. 245; p. 546.
- Flour, Self-rising wheat. Evansville Mill & Elevator Co. No. 114,733; Jan. 2; v. 234; p. 369.
- Flour, Self-rising wheat. Evansville Mill & Elevator Co. No. 115,176; Jan. 30; v. 234; p. 1578.
- Flour, Self-rising wheat. C. A. Gambrell Mfg. Co. No. 116,618; May 15; v. 238; p. 976.
- Flour, Self-rising wheat. Gordonville Roller Mills. Nos. 117,545-6; July 17; v. 240; p. 936.
- Flour, Self-rising wheat. Hezel Milling Company. No. 115,614; Feb. 27; v. 235; p. 1350.
- Flour, Self-rising wheat. Hezel Milling Company. No. 119,958; Dec. 25; v. 245; p. 1021.
- Flour, Self-rising wheat. A. J. Long Cigar & Grocery Co. No. 118,422; Sept. 4; v. 242; p. 250.
- Flour, Self-rising wheat. J. D. Manor & Co. No. 117,572; July 17; v. 240; p. 937.
- Flour, Self-rising wheat. Melrose Milling Company. No. 115,647; Feb. 27; v. 235; p. 1351.
- Flour, Self-rising wheat. Model Milling & Elevator Company. No. 117,578; July 17; v. 240; p. 937.
- Flour, Self-rising wheat. Modern Flour Mills. Nos. 117,772-4; July 31; v. 240; p. 1446.
- Flour, Self-rising wheat. Modern Flour Mills. Nos. 117,899-900; Aug. 7; v. 241; p. 296.
- Flour, Self-rising wheat. Modern Flour Mills. No. 118,078; Aug. 14; v. 241; p. 618.
- Flour, Self-rising wheat. Modern Flour Mills. No. 118,556; Sept. 18; v. 242; p. 745.
- Flour, Self-rising wheat. Platte Valley Milling Company. No. 117,603; July 17; v. 240; p. 938.
- Flour, (self-rising). Wheat-. Portland Flouring Mills Company. No. 117,200; June 19; v. 239; p. 936.
- Flour, Self-rising wheat. Ritzville Flouring Mills. No. 119,376; Nov. 13; v. 244; p. 561.
- Flour, Self-rising wheat. Scott County Milling Company. No. 118,436; Sept. 4; v. 242; p. 251.
- Flour, Self-rising wheat. Steeleville Milling Company. No. 115,247; Jan. 30; v. 234; p. 1580.
- Flour, Wheat. Arkadelphia Milling Company. No. 117,731; July 31; v. 240; p. 1445.
- Flour, Wheat-. W. M. Atkinson. No. 115,055; Jan. 23; v. 234; p. 1307.
- Flour, Wheat-. Beeland-Nicholson Wholesale Co. No. 117,020; June 12; v. 239; p. 651.
- Flour, Wheat-. Benmills Milling Company. No. 119,940; Dec. 25; v. 245; p. 1021.
- Flour, Wheat-. The Blake Milling Company. No. 117,407; July 10; v. 240; p. 635.
- Flour, Wheat-. Bogert & Greenbank. No. 115,930; Mar. 27; v. 236; p. 1215.
- Flour, Wheat-. Bogert & Greenbank. No. 118,264; Aug. 28; v. 241; p. 1151.

- Flour, Wheat. Briar Mills. No. 119,648; Dec. 11; v. 245; p. 546.
- Flour, Wheat. The Canadian-American Cereal Products Co. No. 116,589; May 15; v. 238; p. 975.
- Flour, Wheat. Canadian Mill & Elevator Co. No. 114,698; Jan. 2; v. 234; p. 368.
- Flour, Wheat. Centennial Mill Co. No. 117,517; July 17; v. 240; p. 935.
- Flour, Wheat. The Colorado Milling & Elevator Co. Nos. 119,044-5; Oct. 23; v. 243; p. 1060.
- Flour, Wheat. The Colorado Milling & Elevator Co. No. 119,947; Dec. 25; v. 245; p. 1021.
- Flour, Wheat. Community Marvel Millers' Association. No. 118,388; Sept. 4; v. 242; p. 249.
- Flour, Wheat. W. R. Cornelius and Son. No. 119,048; Oct. 23; v. 243; p. 1060.
- Flour, Wheat. The Dement Bros. Co. No. 119,278; Nov. 13; v. 244; p. 558.
- Flour, Wheat. Duluth-Superior Milling Company. No. 117,533; July 17; v. 240; p. 936.
- Flour, Wheat. Dundas Brothers Co. No. 117,120; June 19; v. 239; p. 934.
- Flour, Wheat. Dundas Brothers Co. Nos. 117,425-6; July 10; v. 240; p. 685.
- Flour, Wheat. Dundas Brothers Co. No. 117,534; July 17; v. 240; p. 936.
- Flour, Wheat. Dundas Brothers Co. No. 118,959; Oct. 16; v. 243; p. 789.
- Flour, Wheat. Dundas Brothers Co. No. 119,281; Nov. 13; v. 244; p. 558.
- Flour, Wheat. Dundas Brothers Co. No. 119,950; Dec. 25; v. 245; p. 1021.
- Flour, Wheat. B. A. Eckhart Milling Co. No. 115,074; Jan. 23; v. 234; p. 1307.
- Flour, Wheat. Ellis Grove Milling Company. Nos. 117,747-8; July 31; v. 240; p. 1445.
- Flour, Wheat. Enid Milling Company. Nos. 116,300-1; Apr. 24; v. 237; p. 1214.
- Flour, Wheat. Enid Milling Company. Nos. 119,062-3; Oct. 23; v. 243; p. 1060.
- Flour, Wheat. Everett-Aughenbaugh & Company. No. 119,431; Nov. 20; v. 244; p. 813.
- Flour, Wheat. Fisher Flouring Mills Company. No. 118,465; Sept. 11; v. 242; p. 513.
- Flour, Wheat. French & Bean Co. No. 117,541; July 17; v. 240; p. 936.
- Flour, Wheat. Geo. P. Plant Milling Co. Nos. 117,600-2; July 17; v. 240; p. 938.
- Flour, Wheat. S. F. Gilman. No. 118,966; Oct. 16; v. 243; p. 789.
- Flour, Wheat. The Glazier Mill & Elevator Co. No. 114,745; Jan. 2; v. 234; p. 369.
- Flour, Wheat. Glosemeyer Flour Company. No. 114,746; Jan. 2; v. 234; p. 369.
- Flour, Wheat. C. H. Guenther & Son, (Inc.) No. 114,750; Jan. 2; v. 234; p. 369.
- Flour, wheat. Gulfport Grocery Company. No. 116,195; Apr. 10; v. 237; p. 619.
- Flour, Wheat. Gulfport Grocery Co. No. 116,628; May 15; v. 238; p. 976.
- Flour, Wheat. Hadley Milling Company. Nos. 119,444-5; Nov. 20; v. 244; p. 813.
- Flour, Wheat. Harvest Milling Company. No. 114,754; Jan. 2; v. 234; p. 369.
- Flour, Wheat. P. Haupt. No. 116,315; Apr. 24; v. 237; p. 1214.
- Flour, Wheat. Hecker-Jones-Jewell Milling Company. No. 118,525; Sept. 18; v. 242; p. 744.
- Flour, Wheat. Hezel Milling Company. No. 114,757; Jan. 2; v. 234; p. 369.
- Flour, Wheat. Hezel Milling Company. No. 116,215; Apr. 17; v. 237; p. 913.
- Flour, Wheat. Hezel Milling Company. No. 116,317; Apr. 24; v. 237; p. 1214.
- Flour, Wheat. Hezel Milling Company. No. 117,558; July 17; v. 240; p. 936.
- Flour, Wheat. Hezel Milling Company. No. 119,450; Nov. 20; v. 244; p. 814.
- Flour, Wheat. The G. W. Hill & Co. No. 119,311; Nov. 13; v. 244; p. 559.
- Flour, Wheat. John P. Dousman Milling Co. No. 118,759; Oct. 2; v. 243; p. 236.
- Flour, Wheat. Jos. Loudenslager Estate. No. 115,363; Feb. 6; v. 235; p. 320.
- Flour, Wheat. The Kansas Flour Mills Company. No. 117,875; Aug. 7; v. 241; p. 295.
- Flour, Wheat. Kehler Flour Mills Company. No. 117,668; July 24; v. 240; p. 1162.
- Flour, Wheat. Kemper-Fair Milling Company. No. 117,669; July 24; v. 240; p. 1162.
- Flour, Wheat. R. E. Kidder. No. 119,084; Oct. 23; v. 243; p. 1061.
- Flour, Wheat. The Kirkland Distributing Company. No. 115,091; Jan. 23; v. 234; p. 1308.
- Flour, Wheat. Langenberg Milling Company. Nos. 118,545-6; Sept. 18; v. 242; p. 745.
- Flour, Wheat. The Larabee Flour Mills Corporation. No. 116,328; Apr. 24; v. 237; p. 1215.
- Flour, Wheat. The Larabee Flour Mills Corporation. No. 116,654; May 15; v. 238; p. 977.
- Flour, Wheat. Lauderbach-Barber Co. No. 116,435; May 1; v. 238; p. 306.
- Flour, Wheat. Lawrenceburg Roller Mills Co. No. 119,967; Dec. 25; v. 245; p. 1022.
- Flour, Wheat. A. Lerman. No. 118,419; Sept. 4; v. 242; p. 250.
- Flour, Wheat. Lexington Mill & Elevator Co. No. 114,783; Jan. 2; v. 234; p. 370.
- Flour, Wheat. Listman Mill Company. No. 114,784; Jan. 2; v. 234; p. 370.
- Flour, Wheat. The Loudonville Mill & Grain Co. No. 119,093; Oct. 23; v. 243; p. 1061.
- Flour, Wheat. Louis Levy Grocer Co. No. 116,655; May 15; v. 238; p. 977.
- Flour, Wheat. J. D. Manor & Co. No. 115,981; Mar. 27; v. 236; p. 1217.
- Flour, Wheat. The Mansfield Milling Co. No. 118,796; Oct. 2; v. 243; p. 237.
- Flour, Wheat. Mauser Mill Company. Nos. 117,179-81; June 19; v. 239; p. 936.
- Flour, Wheat. McQuesten & Lewis. No. 119,338; Nov. 13; v. 244; p. 560.
- Flour, Wheat. The Midland Milling Company. Nos. 119,100-1; Oct. 23; v. 243; p. 1061.
- Flour, Wheat. Midland Milling Company. Nos. 119,461-2; Nov. 20; v. 244; p. 814.
- Flour, Wheat. The Midland Milling Company. No. 119,748; Dec. 11; v. 245; p. 549.
- Flour, Wheat. The Model Milling & Elevator Company. Nos. 117,575-7; July 17; v. 240; p. 937.
- Flour, Wheat. Montana Flour Mills Company. No. 118,315; Aug. 28; v. 241; p. 452.
- Flour, Wheat. Morristown Flour Mills. No. 115,783; Mar. 6; v. 236; p. 279.
- Flour, Wheat. New Prague Flouring Mill Company. No. 115,214; Jan. 30; v. 234; p. 1579.
- Flour, Wheat. The Newton Milling & Elevator Co. No. 117,583; July 17; v. 240; p. 937.
- Flour, Wheat. Ogilvie Flour Mills Company. No. 119,465; Nov. 20; v. 244; p. 814.
- Flour, Wheat. Paris Milling Company. No. 115,219; Jan. 30; v. 234; p. 1579.
- Flour, Wheat. Parkville Milling Company. No. 115,995; Mar. 27; v. 236; p. 1217.
- Flour, Wheat. Pfeiffer Milling Company. No. 117,591; July 17; v. 240; p. 937.
- Flour, Wheat. Pfeiffer Milling Company. Nos. 117,594-5; July 17; v. 240; p. 938.
- Flour, Wheat. Pfeiffer Milling Company. No. 117,915; Aug. 7; v. 241; p. 296.
- Flour, Wheat. Portland Flouring Mills Company. No. 117,199; June 19; v. 239; p. 936.
- Flour, Wheat. Portland Flouring Mills Company. No. 117,201; June 19; v. 239; p. 936.
- Flour, Wheat. Prange Milling Co. No. 115,223; Jan. 30; v. 234; p. 1579.
- Flour, Wheat. Prange Milling Company. Nos. 115,660-1; Feb. 27; v. 235; pp. 1351-2.
- Flour, Wheat. Prange Milling Company. No. 116,358; Apr. 24; v. 237; p. 1215.
- Flour, Wheat. Queen City Flour & Feed Co. No. 117,468; July 10; v. 240; p. 637.
- Flour, Wheat. The Raymond Hadley Corporation. Nos. 119,114-15; Oct. 23; v. 243; p. 1062.
- Flour, Wheat. The Reinhart Flour Co. No. 119,791; Dec. 11; v. 245; p. 550.
- Flour, Wheat. Ritzville Flouring Mills. No. 119,377; Nov. 13; v. 244; p. 561.
- Flour, Wheat. Russell-Miller Milling Co. Nos. 116,364-5; Apr. 24; v. 237; p. 1216.
- Flour, Wheat. Russell-Miller Milling Co. No. 116,462; May 1; v. 238; p. 307.
- Flour, Wheat. Scott County Milling Company. Nos. 118,432-5; Sept. 4; v. 242; p. 251.
- Flour, Wheat. Scott County Milling Company. No. 118,475; Sept. 11; v. 242; p. 513.
- Flour, Wheat. Seattle Grain Co. No. 117,065; June 12; v. 239; p. 652.
- Flour, Wheat. Seguin Milling & Power Co. No. 116,006; Mar. 27; v. 236; p. 1218.
- Flour, Wheat. Shane Bros. & Wilson Company. No. 115,813; Mar. 6; v. 236; p. 280.
- Flour, Wheat. Shane Bros. & Wilson Company. No. 116,007; Mar. 27; v. 236; p. 1218.
- Flour, Wheat. A. C. Smith. No. 119,988; Dec. 25; v. 245; p. 1022.
- Flour, Wheat. F. S. Smith. No. 114,836; Jan. 2; v. 234; p. 372.
- Flour, Wheat. The Southwestern Milling Company. No. 118,344; Aug. 28; v. 241; p. 1153.
- Flour, Wheat. The Southwestern Milling Company. No. 118,612; Sept. 18; v. 242; p. 747.
- Flour, Wheat. Sperry Flour Company. No. 119,395; Nov. 13; v. 244; p. 561.
- Flour, Wheat. L. G. Spindler. No. 117,940; Aug. 7; v. 241; p. 297.
- Flour, Wheat. Steeleville Milling Company. No. 119,993; Dec. 25; v. 245; p. 1022.
- Flour, Wheat. The Texas-Mexican Milling Co. No. 117,794; July 31; v. 240; p. 1447.
- Flour, Wheat. Texas Star Flour Mills. No. 119,825; Dec. 11; v. 245; p. 551.
- Flour, Wheat. Thornton & Chester Milling Company. No. 118,448; Sept. 4; v. 242; p. 251.
- Flour, Wheat. The Topeka Flour Mills Company. No. 116,710; May 15; v. 238; p. 979.
- Flour, Wheat. The Topeka Flour Mills Company. No. 118,349; Aug. 28; v. 241; p. 1154.

Alphabetical list of trade-marks—Continued.

- Flour, Wheat-. W. G. Trumpler. No. 118,350; Aug. 28; v. 241; p. 1154.
- Flour, Wheat-. W. Wallace. No. 117,493; July 10; v. 240; p. 637.
- Flour, Wheat-. Washburn-Crosby Co. Nos. 115,707-8; Feb. 27; v. 235; p. 1353.
- Flour, Wheat-. Washburn Crosby Company. No. 116,724; May 15; v. 238; p. 979.
- Flour, Wheat-. The Waterloo and Cedar Falls Union Mill Company. No. 118,245; Aug. 21; v. 241; p. 908.
- Flour, Wheat-. Wells-Abbott-Nieman Co. No. 117,494; July 10; v. 240; p. 637.
- Flour, Wheat-. Wells Brothers. No. 119,844; Dec. 11; v. 245; p. 552.
- Flour, Wheat-. Wenatchee Milling Co. No. 117,622; July 17; v. 240; p. 938.
- Flour, Wheat-. Wolff Milling Company. No. 117,624; July 17; v. 240; p. 938.
- Flour, Wheat, rye, self-rising, and prepared. The South-western Milling Co. No. 119,808; Dec. 11; v. 245; p. 551.
- Flour, Yeast-. Ho-Mayde Products Co. No. 117,041; June 12; v. 239; p. 651.
- Flours, bran, shorts, White, whole-wheat, and Graham. McNamara & Marlow. No. 118,549; Sept. 18; v. 242; p. 745.
- Flours, Pancake, buckwheat, corn, and wheat. Aunt Jemima Mills Company. No. 118,737; Oct. 2; v. 243; p. 235.
- Flours, Wheat and rye. Hecker-Jones-Jewell Milling Company. No. 117,941; Aug. 7; v. 241; p. 297.
- Flours, Wheat and rye. Hecker-Jones-Jewell Milling Co. No. 118,184; Aug. 21; v. 241; p. 906.
- Flours, Wheat, Graham and pancake. C. C. Replogle. No. 115,391; Feb. 6; v. 235; p. 321.
- Flowers, bridal wreaths, bouquets, &c., Artificial. Dorros Bros. No. 115,440; Feb. 13; v. 235; p. 691.
- Fluid-pressures, Instruments for indicating and recording. American Steam Gauge & Valve Manufacturing Company. No. 119,859; Dec. 18; v. 245; p. 839.
- Flutes, piccolos, drum-belts, violin-strings. Hawkes & Son. No. 117,555; July 17; v. 240; p. 936.
- Flux. The Cleveland Tensilite Co. No. 114,712; Jan. 2; v. 234; p. 368.
- Fluxes for autogenous welding aluminium and aluminium alloys. Aktiengesellschaft für Autogene Aluminium-Schweissung. No. 116,267; Apr. 24; v. 237; p. 1213.
- Fly-killers. United States Wire Mat Company. No. 118,244; Aug. 21; v. 241; p. 908.
- Folders and magazines issued monthly. M. Appelbaum. No. 116,743; May 22; v. 238; p. 1325.
- Food and fermented-milk preparation, Predigested. J. Melicow. No. 117,689; July 24; v. 240; p. 1163.
- Food and wheat-flour, Cereal breakfast. A. H. Scoble. No. 115,401; Feb. 6; v. 235; p. 321.
- Food, Cereal. Ralston Purina Company. No. 118,220; Aug. 21; v. 241; p. 907.
- Food, Cereal breakfast. R. M. Groff. No. 116,627; May 15; v. 238; p. 976.
- Food-containers. Vacuum Can Co. No. 115,042; Jan. 16; v. 234; p. 1043.
- Food, Dairy, stock, cattle, and farm-animal. The Buck-eye Cotton Oil Company. No. 116,286; Apr. 24; v. 237; p. 1213.
- Food for calves. Joseph Thorley, Limited. No. 115,252; Jan. 30; v. 234; p. 1580.
- Food for infants and invalids. Seneca Food & Drug Co. No. 118,577; Sept. 18; v. 242; p. 746.
- Food for infants, Milk. The Bacchus Marsh Concentrated Milk Co. No. 115,365; Feb. 6; v. 235; p. 320.
- Food, Horse, mule, cattle, poultry, hog, and sheep. The Big Four Milling Company. No. 115,581; Feb. 27; v. 235; p. 1349.
- Food, Horse, mule, cattle, poultry, hog, and sheep. The Big Four Milling Company. No. 118,262; Aug. 28; v. 241; p. 1151.
- Food, Poultry. C. E. Bash & Co. No. 117,509; July 17; v. 240; p. 935.
- Food, Poultry. Russia Cement Company. No. 117,062; June 12; v. 239; p. 652.
- Food, primarily for medicinal purposes, Nerve-tonic. W. G. Asquith. No. 119,862; Dec. 18; v. 245; p. 839.
- Food product, Certain. Beech-Nut Packing Company. No. 118,945; Oct. 16; v. 243; p. 789.
- Food product consisting of prepared animal milk. Niana Pure Food Company. No. 116,783; May 22; v. 238; p. 1326.
- Food product made principally from flour and sweet potatoes, Baked. J. H. Williams. No. 119,482; Nov. 20; v. 244; p. 815.
- Food product similar to noodles, Prepared. Maas Baking Co. No. 117,046; June 12; v. 239; p. 652.
- Food products, Certain named. Air Utilities Company. No. 115,048; Jan. 23; v. 234; p. 1307.
- Food, Stock. Champion Feed Milling Company. No. 119,259; Nov. 13; v. 244; p. 557.
- Food, Stock. Gulfport Grocery Company. No. 118,969; Oct. 16; v. 243; p. 790.
- Food, Stock and poultry. E. Rauh & Sons Fertilizing Company. No. 116,359; Apr. 24; v. 237; p. 1215.
- Food, Tonic. The British Milk Products Company. No. 115,729; Mar. 6; v. 236; p. 277.
- Foods and ingredients of foods, Certain named. Baltimore Pearl Hominy Company. No. 115,278; Feb. 6; v. 235; p. 317.
- Foods and ingredients of foods, Certain named. Decatur Extract Co. No. 115,315; Feb. 6; v. 235; p. 318.
- Foods and ingredients of foods, Certain named. G. F. Gessmer Co. No. 118,516; Sept. 18; v. 242; p. 744.
- Foods and ingredients of foods, Certain named. Rust-Parker Company. No. 115,399; Feb. 6; v. 235; p. 321.
- Foods, Breakfast. Consolidated Grocery Company. No. 119,267; Nov. 13; v. 244; p. 557.
- Foods, Certain named. Acme Packing Co. No. 116,738; May 22; v. 238; p. 1325.
- Foods, Certain named. Alart & McGuire Company. No. 119,618; Dec. 11; v. 245; p. 545.
- Foods, Certain named. Albers Bros. Milling Company. No. 119,419; Nov. 20; v. 244; p. 813.
- Foods, Certain named. Alfalfa Products Company. No. 116,026; Apr. 3; v. 237; p. 305.
- Foods, Certain named. All-Package Grocery Stores Co. No. 119,017; Oct. 23; v. 243; p. 1059.
- Foods, Certain named. Berdan and Company. No. 117,814; Aug. 7; v. 241; p. 293.
- Foods, Certain named. The J. S. Brown Merc. Co. No. 115,936; Mar. 27; v. 236; p. 1215.
- Foods, Certain named. Burton & Davis Co. No. 117,825; Aug. 7; v. 241; p. 293.
- Foods, Certain named. Bushwick Produce Exchange. No. 119,649; Dec. 11; v. 245; p. 546.
- Foods, Certain named. The Cabell Company. No. 117,826; Aug. 7; v. 241; p. 293.
- Foods, Certain named. Castle Brothers. No. 116,505; May 8; v. 238; p. 645.
- Foods, Certain named. Chamberlain & Company. No. 116,506; May 8; v. 238; p. 645.
- Foods, Certain named. Chandler Brokerage Co. No. 117,645; July 24; v. 240; p. 1161.
- Foods, Certain named. C. I. Cook. No. 119,047; Oct. 23; v. 243; p. 1060.
- Foods, Certain named. C. I. Cook. No. 119,269; Nov. 13; v. 244; p. 558.
- Foods, Certain named. Curtice Brothers Co. No. 115,942; Mar. 27; v. 236; p. 1216.
- Foods, Certain named. Curtice Brothers Co. No. 117,837; Aug. 7; v. 241; p. 294.
- Foods, Certain named. Foley Bros. & Quinlan. No. 114,737; Jan. 2; v. 234; p. 369.
- Foods, Certain named. Foley Bros. & Quinlan. No. 117,847; Aug. 7; v. 241; p. 294.
- Foods, Certain named. E. C. Gatlin Importing Company. No. 118,766; Oct. 2; v. 243; p. 236.
- Foods, Certain named. Genant & Flachsland. No. 117,034; June 12; v. 239; p. 651.
- Foods, Certain named. Goldman Costume Company. No. 118,875; Oct. 9; v. 243; p. 520.
- Foods, Certain named. Groceteria Stores Company. No. 117,855; Aug. 7; v. 241; p. 294.
- Foods, Certain named. Gunns Limited. No. 115,607; Feb. 27; v. 235; p. 1350.
- Foods, Certain named. R. Haughton. No. 117,438; July 10; v. 240; p. 636.
- Foods, Certain named. Heisig & Norvell. No. 116,633; May 15; v. 238; p. 977.
- Foods, Certain named. Henry M. Day, Inc. No. 119,674; Dec. 11; v. 245; p. 546.
- Foods, Certain named. A. Jones' Sons. No. 119,455; Nov. 20; v. 244; p. 814.
- Foods, Certain named. P. M. Kuehnrich. Nos. 115,770-2; Mar. 6; v. 236; p. 278.
- Foods, Certain named. B. Levy. No. 119,092; Oct. 23; v. 243; p. 1061.
- Foods, Certain named. R. H. Macy & Co. No. 118,308; Aug. 28; v. 241; p. 1152.
- Foods, Certain named. McClelland Ward Co. No. 116,335; Apr. 24; v. 237; p. 1215.
- Foods, Certain named. C. H. Murray. No. 119,348; Nov. 13; v. 244; p. 560.
- Foods, Certain named. Nave-McCord Mercantile Co. Nos. 114,814-15; Jan. 2; v. 234; p. 371.
- Foods, Certain named. Nave-McCord Mercantile Co. No. 119,352; Nov. 13; v. 244; p. 560.
- Foods, Certain named. M. O'Connor and Co. No. 117,907; Aug. 7; v. 241; p. 296.
- Foods, Certain named. The Park & Pollard Company. No. 117,911; Aug. 7; v. 241; p. 296.
- Foods, Certain named. S. Ruttenberg. No. 119,470; Nov. 20; v. 244; p. 814.
- Foods, Certain named. The Schuster Company. No. 116,005; Mar. 27; v. 236; p. 1217.
- Foods, Certain named. Scottsburg Canning Co. No. 114,832; Jan. 2; v. 234; p. 372.
- Foods, Certain named. Sunshine Poultry Farm. No. 116,701; May 15; v. 238; p. 979.
- Foods, Certain named. Syracuse Milling Company. No. 117,487; July 10; v. 240; p. 637.
- Foods, Certain named. The W. H. Webb Packing Co. No. 117,071; June 12; v. 239; p. 652.
- Foods, Certain named. Western Grocer Company. No. 118,603; Sept. 18; v. 242; p. 747.
- Foods for animals, game-birds, and poultry, Certain. Spratt's Patent (America). No. 117,483; July 10; v. 240; p. 637.

- Foods, Nut paste for the preparation of certain. Nut Products Co. No. 118,564; Sept. 18; v. 242; p. 745.
- Foods, Prepared animal and poultry. Darling & Company. No. 118,391; Sept. 4; v. 242; p. 249.
- Foods, Stock. American Hominy Company. No. 117,807; Aug. 7; v. 241; p. 295.
- Foods, Stock. Sears, Roebuck and Co. No. 117,064; June 12; v. 239; p. 652.
- Foods, Stock. J. Wade & Sons. No. 116,383; Apr. 24; v. 237; p. 1216.
- Foods, Stock and poultry. Darling & Company. No. 118,501; Sept. 18; v. 242; p. 743.
- Foods, Wheat breakfast. Mother's Macaroni Company. No. 115,209; Jan. 30; v. 234; p. 1579.
- Foodstuffs for cattle and other animals, consisting of cotton-seed meal. Union Seed & Fertilizer Company. No. 115,696; Feb. 27; v. 235; p. 1353.
- Foodstuffs for cattle, &c., Cotton-seed-meal. Union Seed & Fertilizer Company. No. 116,714; May 15; v. 238; p. 979.
- Foot-powders. C. A. Kruger, Jr. No. 119,328; Nov. 13; v. 244; p. 559.
- Footwear, Certain named. M. Gustin Co. No. 119,702; Dec. 11; v. 245; p. 547.
- Forks, spoons, cheese-scoops, &c., of base metal. Landers, Frary & Clark. No. 116,850; May 29; v. 238; p. 1636.
- Foundry-facings of all sorts. S. Doggett. No. 116,752; May 22; v. 238; p. 1325.
- Freckles, blackheads, and similar diseases of the skin. M. Dewey. No. 115,976; Mar. 27; v. 236; p. 1217.
- Freezers, Liquid. Auto Vacuum Freezer Company. No. 115,277; Feb. 6; v. 235; p. 317.
- Freezers, Liquid. Auto Vacuum Freezer Company. No. 118,849; Oct. 9; v. 243; p. 519.
- Friction-tape. The Mechanical Rubber Company. No. 115,781; Mar. 6; v. 236; p. 279.
- Frocks. H. G. Miller and M. Gray. No. 118,076; Aug. 14; v. 241; p. 618.
- Frocks, Maternity. The B. Sperling Company. No. 117,614; July 17; v. 240; p. 938.
- Frogs, Cast-steel. The Weir Frog Company. No. 119,152; Oct. 23; v. 243; p. 1063.
- Frosting compound for frosting surface of glass articles. The Frost-a-Lite Co. No. 119,067; Oct. 23; v. 243; p. 1060.
- Fruit, Citrus. Brooksville Citrus Growers Assn. No. 115,062; Jan. 23; v. 234; p. 1307.
- Fruit—namely, dried fruits, such as prunes. H. P. Curtis. No. 116,295; Apr. 24; v. 237; p. 1214.
- Fruit paste having laxative properties. Fruitone Company. No. 115,443; Feb. 13; v. 235; p. 691.
- Fruits and vegetables, Fresh. H. McCarren, Jr. No. 114,788; Jan. 2; v. 234; p. 370.
- Fruits and vegetables, Fresh. Umpqua Valley Fruit Union. No. 119,404; Nov. 13; v. 244; p. 562.
- Fruits and vegetables, Raw. W. Heyser. No. 115,613; Feb. 27; v. 235; p. 1350.
- Fruits, berries, and root crops, poultry, and eggs, Fresh. T. J. A. Todd. No. 117,220; June 19; v. 239; p. 937.
- Fruits, cereal breakfast foods, extracts for food-flavoring. Dried. A. M. Smith & Co. No. 117,937; Aug. 7; v. 241; p. 297.
- Fruits, Citrus. S. C. Bass. No. 115,281; Feb. 6; v. 235; p. 317.
- Fruits, Citrus. California Fruit Growers Exchange. No. 117,107; June 19; v. 239; p. 934.
- Fruits, Citrus. Fort Myers Citrus Growers Association. No. 118,170; Aug. 21; v. 241; p. 906.
- Fruits, Citrus. Johnston Fruit Co. No. 119,723; Dec. 11; v. 245; p. 548.
- Fruits, Citrus. Lee County Packing Company. No. 116,067; Apr. 3; v. 237; p. 306.
- Fruits, Citrus. A. J. Nye. No. 115,993; Mar. 27; v. 236; p. 1217.
- Fruits, Citrus. P. Phillips. No. 117,916; Aug. 7; v. 241; p. 296.
- Fruits, Citrus. Wauchula Citrus Growers' Association. No. 119,412; Nov. 13; v. 244; p. 562.
- Fruits, Fresh citrus. Bordentown Citrus Growers Association. No. 119,942; Dec. 25; v. 245; p. 1021.
- Fry-pans. New York Stamping Company. No. 119,107; Oct. 23; v. 243; p. 1062.
- Fuel compound for cutting and welding purposes, Gaseous. Carbo Hydrogen Co. of America. No. 114,938; Jan. 16; v. 234; p. 1039.
- Fuel for internal-combustion engines, Liquid. The Hydragas Corporation. No. 116,137; Apr. 10; v. 237; p. 618.
- Fumigating-machines adapted to apply disinfecting-gases for certain purposes. The Roessler & Hasslacher Chemical Co. No. 119,572; Nov. 27; v. 244; p. 1084.
- Fur collars and muffs. J. Weinig. No. 117,959; Aug. 7; v. 241; p. 297.
- Fur gowns, outer suits, wraps, and garments. D. G. Carmichael. No. 114,941; Jan. 16; v. 234; p. 1039.
- Furs for garments. H. Fischer. No. 118,285; Aug. 28; v. 241; p. 1152.
- Furnace-bulbs, basin-plugs, force-cups, &c. United States Rubber Company. No. 119,144; Oct. 23; v. 243; p. 1063.
- Furnace-linings and the like, Refractory materials for. Dolomite Products Company. No. 119,178; Oct. 30; v. 243; p. 1305.
- Furnaces. Tate Jones & Co. Nos. 119,819–20; Dec. 11; v. 245; p. 551.
- Furnaces and boilers and parts and devices for same, Certain named. Locomotive Pulverized Fuel Company. No. 116,772; May 22; v. 238; p. 1326.
- Furnaces, Hot-air. Monitor Stove & Range Co. No. 116,781; May 22; v. 238; p. 1326.
- Furnaces, Hot-air. The Monitor Stove & Range Co. No. 117,185; June 19; v. 239; p. 936.
- Furnaces, Hot-air. The Monitor Stove & Range Co. No. 118,212; Aug. 21; v. 241; p. 907.
- Furniture and upholstery, Certain named. Goldenberg's. No. 119,605; Dec. 4; vol. 245; p. 275.
- Furniture and upholstery, Certain named. Goldman Costume Company. No. 119,695; Dec. 11; v. 245; p. 547.
- Furniture and upholstery, Certain named. Peck & Hillis Furniture Company. No. 119,467; Nov. 20; v. 244; p. 814.
- Furniture, automobile, &c., polish. The E. W. Hayden Co. No. 115,510; Feb. 20; v. 235; p. 1050.
- Furniture, Certain. Conrey-Davis Mfg. Co. No. 114,718; Jan. 2; v. 234; p. 368.
- Furniture, Certain named. Deltos Grass Rug Company. No. 115,494; Feb. 20; v. 235; p. 1049.
- Furniture, Certain named. J. & J. Kohn. No. 117,160; June 19; v. 239; p. 935.
- Furniture, Certain named. Wanderer-Werke vorm. Winkelhofer & Jaenicke Aktiengesellschaft. Nos. 116,722–3; May 15; v. 238; p. 979.
- Furniture, Certain named. West Coast Specialty Co. No. 117,961; Aug. 7; v. 241; p. 297.
- Furniture, Certain named household. E. L. Kinloch. No. 117,159; June 19; v. 239; p. 935.
- Furniture cleaner and polish. Excelsior Manufacturing Co. No. 115,320; Feb. 6; v. 235; p. 318.
- Furniture, counters, &c., Butcher-shop and hotel-kitchen. Bernard Glocker Company. No. 117,851; Aug. 7; v. 241; p. 294.
- Furniture, Household, store, and office. L. E. Wiser. No. 115,428; Feb. 6; v. 235; p. 322.
- Furniture, piano, and automobile polish and varnish-renewer. J. P. Barron. No. 114,862; Jan. 9; v. 234; p. 667.
- Furniture-polish. W. D. Kibler Co. No. 118,670; Sept. 25; v. 242; p. 988.
- Furniture-polish. R. V. Taylor. No. 115,553; Feb. 20; v. 235; p. 1051.
- Furniture-polish and sanitary cleaner. E. E. Conrad. No. 114,717; Jan. 2; v. 234; p. 368.
- Furniture-polishes. M. Kammerling. No. 116,652; May 15; v. 238; p. 977.
- Fuse, Electric. Multiplex Fuse Corporation. No. 119,910; Dec. 18; v. 245; p. 840.
- Fuse-plugs. H. T. Paiste Company. No. 118,080; Aug. 14; v. 241; p. 618.
- Fuse, Safety-. Coast Manufacturing & Supply Co. Nos. 114,714–15; Jan. 2; v. 234; p. 368.
- Fuse, Safety-. Coast Manufacturing and Supply Company. No. 118,159; Aug. 21; v. 241; p. 908.
- Fuse, Safety-. Coast Manufacturing and Supply Company. No. 118,861; Oct. 9; v. 243; p. 519.
- Fuses and cartridges, Electric. Star Fuse Co. No. 115,620; Feb. 27; v. 235; p. 1350.
- Fuses, bell-ringing transformers, and conduit-fittings. Killark Electric Mfg. Co. No. 119,901; Dec. 18; v. 245; p. 840.
- Fuses for electrical purposes, Cartridge and plug. Kirkman Engineering Corporation. No. 118,671; Sept. 25; v. 242; p. 988.
- Fuses, inclosed-fuse cut-outs and clips, contacts, and blocks, Inclosed. The Johns-Pratt Company. No. 116,468; May 1; v. 238; p. 307.
- Gages. Boston Auto Gage Company. No. 115,834; Mar. 13; v. 236; p. 591.
- Gages. The United States Gauge Co. No. 119,590; Nov. 27; v. 244; p. 1084.
- Gages and micrometers. Greenfield Tap and Die Corporation. No. 114,882; Jan. 9; v. 234; p. 668.
- Gages, Certain named. Pratt & Whitney Company. No. 119,915; Dec. 18; v. 245; p. 841.
- Game card. E. Bender. No. 117,405; July 10; v. 240; p. 635.
- Game played with a ball and cue, as in billiards. J. E. Brown. No. 115,292; Feb. 6; v. 235; p. 317.
- Games. K. A. Bradley. No. 114,930; Jan. 16; v. 234; p. 1039.
- Games. H. B. Fitzpatrick. No. 116,617; May 15; v. 238; p. 976.
- Games. Milton Bradley Co. No. 115,483; Feb. 20; v. 235; p. 1049.
- Games. Milton Bradley Co. No. 117,183; June 19; v. 239; p. 936.
- Games. Milton Bradley Co. No. 118,856; Oct. 9; v. 243; p. 519.
- Games and apparatus for playing same. J. T. Simpson. No. 116,163; Apr. 10; v. 237; p. 618.
- Games and toys, Certain named. George Borgfeldt & Co. No. 118,148; Aug. 21; v. 241; p. 905.
- Games, building-blocks, and toy furniture. Children's. The Redsquare Company. No. 118,813; Oct. 2; v. 243; p. 237.
- Games, toys, and sporting goods, Certain named. George Borgfeldt & Co. No. 117,818; Aug. 7; v. 241; p. 293.

Alphabetical list of trade-marks—Continued.

- Games, toys, and sporting goods, Certain named. Goldmar Costume Company. No. 118,518; Sept. 18; v. 242; p. 744.
- Games, toys, and sporting goods, Certain named. Slazengers, Limited. No. 115,404; Feb. 6; v. 235; p. 321.
- Garbage, refuse, &c., containers. Hygeia Can Company. No. 117,867; Aug. 7; v. 241; p. 295.
- Gargle and mouth-wash. M. Clasgens. No. 119,263; Nov. 13; v. 244; p. 557.
- Garment and hose supporters, Children's. Crown Suspender Company. No. 115,493; Feb. 20; v. 235; p. 1049.
- Garment, One-piece sleeping. Birkenfeld, Strauss & Co. No. 119,250; Nov. 13; v. 244; p. 557.
- Garment or trouser supporter in the form of a belt, Invisible. W. A. Loveland. No. 117,343; July 3; v. 240; p. 335.
- Garments and appliances, Certain named sanitary. A. Stein & Co. No. 118,828; Oct. 2; v. 243; p. 238.
- Garments, Children's and misses' outer. E. G. Gomez. No. 117,754; July 31; v. 240; p. 1445.
- Garments, Children's sleeping. W. Shanhouse & Sons. No. 116,560; May 8; v. 238; p. 647.
- Garments for outer wear, Women's. M. E. Smith & Co. No. 118,923; Oct. 9; v. 243; p. 521.
- Garments, Ladies' ready-to-wear. J. W. Ornstein. No. 119,208; Oct. 30; v. 243; p. 1306.
- Garments, Men's, women's, and children's outer. Goodall Worsted Co. No. 114,968; Jan. 16; v. 234; p. 1040.
- Garments, Women's and children's embroidered cotton or silk. R. Viegelmann. No. 118,935; Oct. 9; v. 243; p. 522.
- Garter-clasps. Nevertear Hose Supporter Co. No. 117,694; July 24; v. 240; p. 1163.
- Gas and combination lighting-fixtures and parts for same. B. F. Klein. No. 114,976; Jan. 16; v. 234; p. 1041.
- Gas-producers. The Super Gas Producer Sales Company. No. 116,098; Apr. 3; v. 237; p. 307.
- Gas traps and plumbing connections, Sewer. Detroit Marvel Brass Manufacturing Co. No. 115,847; Mar. 13; v. 236; p. 591.
- Gasolene and kerosene. Kansas City Refining Sales Co. No. 119,898; Dec. 18; v. 245; p. 840.
- Gasolene, benzine, naphtha, kerosene, motor-spirit, &c. Petroleum Products Co. of California. No. 114,907; Jan. 9; v. 234; p. 668.
- Gasolene-engines. G. W. Kemp. No. 118,044; Aug. 14; v. 241; p. 617.
- Gasolene for internal-combustion engines, Chemical compound for use in. Howard-Vaughan Co. No. 116,322; Apr. 24; v. 237; p. 1214.
- Gasolene-improver or preparations for augmenting the energy of motor-fuels. J. R. Landauer. No. 115,094; Jan. 23; v. 234; p. 1308.
- Gasolene to increase combustion and eliminate carbon, Chemical to be added to. Miller Chemicals, Inc. No. 116,342; Apr. 24; v. 237; p. 1215.
- Gasolene-vitalizing compound. R. J. Bush and Company. No. 117,641; July 24; v. 240; p. 1161.
- Gauntlets. Ross-Spiller Glove Co. No. 119,795; Dec. 11; v. 245; p. 550.
- Gear compounds and greases for lubricating purposes. Crew Levick Company. No. 118,303; Aug. 28; v. 241; p. 1152.
- Gear-shift. Wenzell Specialty Company. No. 115,710; Feb. 27; v. 235; p. 1353.
- Gear-shift for machine parts. Wenzell Specialty Company. No. 115,566; Feb. 20; v. 235; p. 1052.
- Gears. The Anderson Rolled Gear Company. No. 115,572; Feb. 27; v. 235; p. 1349.
- Gears. Meisel Press Manufacturing Company. No. 118,683; Sept. 25; v. 242; p. 989.
- Germicide. S. E. Cheeseman. No. 117,646; July 24; v. 240; p. 1161.
- Germicide and antiseptic solution. W. H. Bolton. No. 117,636; July 24; v. 240; p. 1161.
- Germicide for the treatment of diseases of the mucous membrane and skin. O. A. Glessner. No. 115,886; Mar. 20; v. 236; p. 885.
- Gin, Asparagus. Folsom Asparagus Gin Co. No. 116,512; May 8; v. 238; p. 645.
- Gin, Bottled Grecian white. Grecian Imp. & Trading Co. Nos. 116,625-6; May 15; v. 238; p. 976.
- Ginger-ale. P. Ballantine & Sons. No. 117,241; June 26; v. 239; p. 1205.
- Ginger-ale. Cantrell & Cochrane. No. 115,068; Jan. 23; v. 234; p. 1307.
- Ginger-ale and syrup for the manufacture of the same. Alabama Grocery Co. No. 119,597; Dec. 4; v. 245; p. 275.
- Ginger-ale, soda, and soft drinks. Misko Seal Beverage Company. No. 114,805; Jan. 2; v. 234; p. 371.
- Ginghams. The Boston Manufacturing Company. No. 118,855; Oct. 9; v. 243; p. 519.
- Ginghams. Delgado Mills. No. 115,438; Feb. 13; v. 235; p. 691.
- Ginghams. Delgado Mills. No. 118,005; Aug. 14; v. 241; p. 616.
- Ginghams and shirtings in the piece, made of colored cotton yarns. Massachusetts Cotton Mills. No. 118,310; Aug. 28; v. 241; p. 1152.
- Ginghams, cotton dress goods, and blankets. Whittenton Manufacturing Company. No. 118,123; Aug. 14; v. 241; p. 619.
- Ginghams, Staple and fancy. M. Half & Bro. No. 118,183; Aug. 21; v. 241; p. 906.
- Glass. Corning Glass Works. No. 115,846; Mar. 13; v. 236; p. 591.
- Glass baking-dishes. McKee Glass Company. No. 117,679; July 24; v. 240; p. 1162.
- Glass lights, Sidewalk. Jeannette Glass Co. No. 116,954; June 5; v. 239; p. 315.
- Glass, Lime blown. A. H. Heisey & Co. No. 116,634; May 15; v. 238; p. 977.
- Glass, Sheet. The Libbey-Owens Sheet Glass Company. No. 118,792; Oct. 2; v. 243; p. 237.
- Glass surfaces, Paste for preventing the collection of moisture, frost, or sleet on. L. G. Zechiel. No. 117,395; July 3; v. 240; p. 336.
- Glass used in counters, soda-fountains, table-tops, panels, and stools. The Marietta Glass Mfg. Co. No. 117,687; July 24; v. 240; p. 1162.
- Glassware. Goldman Costume Company. No. 118,032; Aug. 14; v. 241; p. 617.
- Glassware. L. Straus & Sons. No. 118,830; Oct. 2; v. 243; p. 238.
- Glassware, as follows: jars, bowls, plates, vases, dishes, &c. George Borgfeldt & Co. No. 117,097; June 19; v. 239; p. 933.
- Glassware, Certain named. General Electric Company. No. 115,504; Feb. 20; v. 235; p. 1050.
- Glassware, Certain named. Passow & Sons. No. 115,536; Feb. 20; v. 235; p. 1051.
- Glove and shoe cleaner. J. W. Neal. No. 118,320; Aug. 28; v. 241; p. 1153.
- Gloves. O. C. Hansen Mfg. Company. No. 114,971; Jan. 16; v. 234; p. 1040.
- Gloves. Harris-Polk Hat Co. Nos. 118,877-8; Oct. 9; v. 243; p. 520.
- Gloves. M. Lobl. Nos. 118,059-66; Aug. 14; v. 241; pp. 617-18.
- Gloves. R. H. Macy & Co. Nos. 117,171-5; June 19; v. 239; p. 936.
- Gloves. Suedetex Glove Company. No. 116,096; Apr. 3; v. 237; p. 307.
- Gloves and mittens. The Boss Manufacturing Company. No. 116,878; June 5; v. 239; p. 313.
- Gloves, Fabric. Berlin Fabric Glove Co. No. 116,396; May 1; v. 238; p. 305.
- Gloves, Fabric. Littauer Brothers. No. 116,906; June 5; v. 239; p. 314.
- Gloves, Leather. L. Meyers & Son. Nos. 118,070-1; Aug. 14; v. 241; p. 618.
- Gloves, Leather. L. Meyers & Son. No. 118,313; Aug. 28; v. 241; p. 1152.
- Glue. Kalt-Leim-Fabrik O. Messmer. No. 114,803; Jan. 2; v. 234; p. 371.
- Glue. Progressive Glue Co. No. 118,916; Oct. 9; v. 243; p. 521.
- Glue compound of animal and vegetable matter. The Holliston Mills. No. 119,534; Nov. 27; v. 244; p. 1082.
- Glycerin substitute in the manufacture of glazed kid. The Creedolin Co. No. 117,835; Aug. 7; v. 241; p. 294.
- Glycerin substitutes. W. J. Bush & Co. No. 115,731; Mar. 6; v. 236; p. 277.
- Goggles and eye-protectors for use by X-ray specialists. F. A. Hardy & Company. No. 115,761; Mar. 6; v. 236; p. 278.
- Golf accessories. J. P. Cochrane. No. 114,946; Jan. 16; v. 234; p. 1040.
- Golf-club heads, Iron. J. P. Cochrane. No. 116,599; v. 238; p. 976.
- Golf-club shafts and golf-clubs. J. P. Cochrane. No. 118,160; Aug. 21; v. 241; p. 906.
- Grain-driers. The International Grain Drier & Mill Equipment Co. No. 114,768; Jan. 2; v. 234; p. 370.
- Grain used as a cereal food, Uncooked. E. B. Hinckley. No. 118,187; Aug. 21; v. 241; p. 906.
- Gramophones, phonographs, and records for the same. Barnett Samuel & Sons. No. 115,901; Mar. 20; v. 236; p. 885.
- Granite, building and paving blocks, curbing, flaggings, Cut. R. B. Marriott & Sons. No. 119,342; Nov. 13; v. 244; p. 560.
- Grape-fruit or pomelo juice. The Thomas Advertising Service. No. 116,705; May 15; v. 238; p. 979.
- Grape-juice. All-Package Grocery Stores Co. No. 118,731; Oct. 2; v. 243; p. 235.
- Grape-juice. Gordon, Sewell & Co. No. 119,439; Nov. 20; v. 244; p. 813.
- Grape-juice and apple nectar. Austin, Nichols & Co. No. 114,859; Jan. 9; v. 234; p. 667.
- Grapes. J. R. Pinkham. No. 115,998; Mar. 27; v. 236; p. 1217.
- Grease-cups for automobiles, motors, and other vehicles and machinery. Marvel Engineering Company. No. 117,176; June 19; v. 239; p. 936.
- Grease. Transmission and gear-case. Swan & Finch Co. No. 115,412; Feb. 6; v. 235; p. 321.
- Grenades and bombs and their parts, fuses, projectiles, &c. W. Mills. No. 115,987; Mar. 27; v. 236; p. 1217.

- Grinding and pulverizing machines for the manufacture of Portland cement. F. L. Smidth & Co. No. 115,680; Feb. 27; v. 235; p. 1352.
- Grinding compound. D. R. Hawes. No. 119,448; Nov. 20; v. 244; p. 814.
- Grinding-machines. The Blanchard Machine Company. No. 119,496; Nov. 27; v. 244; p. 1081.
- Grinding-wheels. Springfield Grinding Co. No. 116,467; May 1; v. 238; p. 307.
- Grinding-wheels. The Sterling Grinding Wheel Co. Nos. 118,237-8; Aug. 21; v. 241; p. 908.
- Grit, Crushed-limestone chicken-. Kentucky Lithograph Stone Co. No. 118,540; Sept. 18; v. 242; p. 745.
- Groats. Keen Robinson and Company. No. 115,765; Mar. 6; v. 236; p. 278.
- Groceries and canned goods, Dry. H. H. Palmer & Co. No. 116,354; Apr. 24; v. 237; p. 1259.
- Groceries, Dry. A. Ehlers. No. 117,428; July 10; v. 240; p. 635.
- Gromets, metal washers, rivets, nails, &c. Edwin B. Stimpson Company. No. 116,929; June 5; v. 239; p. 314.
- Grounds. United States Spot Ground Corporation. Nos. 117,228-9; June 19; v. 239; p. 937.
- Grounds. United States Spot Ground Corporation. No. 118,243; Aug. 21; v. 241; p. 908.
- Growth-controlling substance derived from the anterior lobe of the pituitary gland. T. B. Robertson. No. 115,667; Feb. 27; v. 235; p. 1352.
- Guaialcol carbonate. Preparation of. Lyster Chemical Company. No. 118,068; Aug. 14; v. 241; p. 618.
- Guaialcol sulfonate with magnesium. Lyster Chemical Company. No. 118,056; Aug. 14; v. 241; p. 617.
- Gum and mints, Chewing-. J. J. Dalton. No. 119,275; Nov. 13; v. 244; p. 558.
- Gum and mints, Chewing-. The Vanola Company. No. 116,720; May 15; v. 238; p. 979.
- Gum-arabic and mucilage. Chas. Morningstar & Co. No. 119,750; Dec. 11; v. 245; p. 549.
- Gum, candy, sweetmeats, and confections, Chewing-. Mint Products Company. No. 115,650; Feb. 27; v. 235; p. 1351.
- Gum, candy, sweetmeats, and confections, Chewing-. Mint Products Company. No. 115,895; Mar. 20; v. 236; p. 885.
- Gum, Chewing-. Adams Brothers. No. 116,571; May 15; v. 238; p. 975.
- Gum, Chewing-. Adams Brothers. No. 116,740; May 22; v. 238; p. 1325.
- Gum, Chewing-. American Chicle Co. No. 117,018; June 12; v. 239; p. 651.
- Gum, Chewing-. American Chicle Co. No. 117,501; July 17; v. 240; p. 935.
- Gum, Chewing-. The Aromint Company. No. 118,258; Aug. 28; v. 241; p. 1151.
- Gum, Chewing-. The Bee Bee Confection Company. No. 116,279; Apr. 24; v. 237; p. 1213.
- Gum, Chewing-. Common Sense Gum Co. Nos. 118,275-6; Aug. 28; v. 241; p. 1151.
- Gum, Chewing-. Common Sense Gum Company. No. 118,954; Oct. 16; v. 243; p. 789.
- Gum, Chewing-. Detroit Dental Manufacturing Co. No. 117,744; July 31; v. 240; p. 1445.
- Gum, Chewing-. George Brothers Company. No. 119,068; Oct. 23; v. 243; p. 1060.
- Gum, Chewing-. The Helmet Company. No. 115,961; Mar. 27; v. 236; p. 1216.
- Gum, Chewing-. Independent Gum Co. Nos. 117,760-2; July 31; v. 240; p. 1446.
- Gum, Chewing-. Love-Me-Gum Co. No. 117,767; July 31; v. 240; p. 1446.
- Gum, Chewing-. J. B. Robbins. No. 115,111; Jan. 23; v. 234; p. 1309.
- Gum, Chewing-. Wm. Wrigley, Jr., Company. No. 117,966; Aug. 7; v. 241; p. 298.
- Gum or candied chewing-gum, Chewing-. Rueckheim Bros. & Eckstein. No. 115,107; Jan. 23; v. 234; p. 1309.
- Hacksaw-blades. L. C. Blancke Co. No. 118,621; Sept. 25; v. 242; p. 987.
- Hair and scalp remedy. The Flash Company. No. 116,132; Apr. 10; v. 237; p. 617.
- Hair cleansing of all nits, vermin, dandruff, germs, and dirt. L. Baron. No. 115,280; Feb. 6; v. 235; p. 317.
- Hair-curlers. M. J. Peppard. No. 119,098; Oct. 23; v. 243; p. 1061.
- Hair-cutters. T. Yeomans. No. 117,394; July 3; v. 240; p. 336.
- Hair-dressing. The Herolin Medicine Company. No. 116,316; Apr. 24; v. 237; p. 1214.
- Hair-dressing. Hopfinger & Roth. No. 116,644; May 15; v. 238; p. 977.
- Hair dressing and growing preparation. I. Alexander. No. 119,621; Dec. 11; v. 245; p. 515.
- Hair dressing and growing preparation. L. O'Dell. No. 116,154; Apr. 10; v. 237; p. 618.
- Hair-grower. N. L. Beane. No. 117,284; July 3; v. 240; p. 333.
- Hair-grower. M. E. Phillips. No. 116,156; Apr. 10; v. 237; p. 618.
- Hair growers and tonics. G. A. Strahlke. No. 115,551; Feb. 20; v. 235; p. 1051.
- Hair-growing composition. F. O. McColloch. No. 114,789; Jan. 2; v. 234; p. 370.
- Hair-growing preparation. R. M. Daly. No. 117,649; July 24; v. 240; p. 1161.
- Hair-nets. Anderson Meyer & Company. No. 116,965; June 5; v. 239; p. 315.
- Hair-nets. J. S. Bender Co. No. 114,865; Jan. 9; v. 234; p. 667.
- Hair-nets. J. S. Bender Company. No. 118,378; Sept. 4; v. 242; p. 249.
- Hair-nets. Theo. H. Gary Co. No. 114,962; Jan. 16; v. 234; p. 1040.
- Hair-nets. Hartmann Brothers. No. 119,709; Dec. 11; v. 245; p. 547.
- Hair-nets. M. Herzog. No. 116,845; May 29; v. 238; p. 1636.
- Hair-nets. M. Herzog. No. 117,038; June 12; v. 239; p. 651.
- Hair-nets. Mills & Gibb Corporation. No. 118,906; Oct. 9; v. 243; p. 521.
- Hair-nets. E. L. Mittelstaedt. No. 119,749; Dec. 11; v. 245; p. 549.
- Hair-nets. Samstag & Hilder Bros. No. 115,229; Jan. 30; v. 234; p. 1579.
- Hair, Preparation or dressing for. C. J. Haller. No. 114,970; Jan. 16; v. 234; p. 1040.
- Hair-remedy compound. P. S. Harris. No. 118,523; Sept. 18; v. 242; p. 744.
- Hair-remover. H. S. Belber. No. 117,979; Aug. 14; v. 241; p. 615.
- Hair-remover. D. A. Saltz. No. 115,810; Mar. 6; v. 236; p. 280.
- Hair remover, Superfluous-. L. M. Smidt. No. 115,814; Mar. 6; v. 236; p. 280.
- Hair-removing preparation, Superfluous-. J. V. Daniels. No. 118,500; Sept. 18; v. 242; p. 743.
- Hair-restoring preparations. J. F. Murray. No. 119,911; Dec. 18; v. 245; p. 840.
- Hair-tonic. Crusellas y Ca. No. 114,937; Jan. 16; v. 234; p. 1039.
- Hair-tonic. Dr. A. C. Daniels, Inc. No. 115,164; Jan. 30; v. 234; p. 1577.
- Hair-tonic. V. De Cosmis. No. 119,276; Nov. 13; v. 244; p. 558.
- Hair-tonic. The Extirpo Specialty Co. No. 115,442; Feb. 13; v. 235; p. 691.
- Hair-tonic. C. Green. No. 115,447; Feb. 13; v. 235; p. 691.
- Hair-tonic. Karatol Laboratories. No. 118,667; Sept. 25; v. 242; p. 988.
- Hair-tonic. La Guardias and Company. No. 115,773; Mar. 6; v. 236; p. 278.
- Hair-tonic. Larivière and Jourdain. No. 114,893; Jan. 9; v. 234; p. 668.
- Hair-tonic. J. P. Mang. No. 119,341; Nov. 13; v. 244; p. 560.
- Hair-tonics. C. N. Reider. No. 119,570; Nov. 27; v. 244; p. 1083.
- Hair-tonic. Strohmeier & Arpe Company. No. 116,375; Apr. 24; v. 237; p. 1216.
- Hair-tonic. L. P. Wickland. No. 116,106; Apr. 3; v. 237; p. 307.
- Hair-tonic and scalp treatment. M. A. Hall. No. 118,657; Sept. 25; v. 242; p. 988.
- Hair-tonic, Certain named. S. B. Wallace. No. 115,123; Jan. 23; v. 234; p. 1309.
- Hair-tonic, dandruff-remover, and scalp-cleanser. Cocotone Chemical Company. No. 118,498; Sept. 18; v. 242; p. 743.
- Hair-tonic, shampoo preparations, cold-cream, powder, and rouge. O. L. Prather. No. 115,019; Jan. 16; v. 234; p. 1042.
- Hair-tonics. H. A. Cassebeer. No. 114,943; Jan. 16; v. 234; p. 1040.
- Hair-tonics. C. R. London. No. 118,611; Sept. 18; v. 242; p. 747.
- Hair-tonics. A. Nelson. No. 115,103; Jan. 23; v. 234; p. 1308.
- Hair-tonics. M. Zimmer. No. 119,418; Nov. 13; v. 244; p. 562.
- Hair-wash. Cloutier & Jarvis. No. 118,385; Sept. 4; v. 242; p. 249.
- Hair-water for dandruff and medicated injection and pills for the treatment of venereal diseases. H. V. Clausen. No. 116,508; May 8; v. 238; p. 645.
- Ham, bacon, lard, bologna, &c. Fried & Reineman Packing Company. No. 117,542; July 17; v. 240; p. 936.
- Hams. Jacob E. Deckert & Sons. No. 115,165; Jan. 30; v. 234; p. 1578.
- Hams, bacon, pork heads and plates, mess, short-clear, and fat-back pork. International Provision Co. No. 117,562; July 17; v. 240; p. 937.
- Hammers. W. A. McFadden. No. 116,438; May 1; v. 238; p. 306.
- Hammers, Pile-. McKiernan-Terry Drill Company. No. 119,608; Dec. 4; v. 245; p. 275.
- Hammers, saws, and ice-picks. Steel and Iron Mongers. No. 118,716; Sept. 25; v. 242; p. 990.
- Handcuffs. Peerless Handcuff Company. No. 114,817; Jan. 2; v. 234; p. 371.
- Handkerchiefs. George Borgfeldt & Co. No. 116,281; Apr. 24; v. 237; p. 1213.
- Handkerchiefs. Braudon, Magnus & Leon. No. 118,948; Oct. 16; v. 243; p. 789.
- Handkerchiefs. Cluett, Peabody & Co. No. 118,860; Oct. 9; v. 243; p. 519.

Alphabetical list of trade-marks—Continued.

- Handkerchiefs. Goodell & Company. No. 118,177; Aug. 21; v. 241; p. 906.
- Handkerchiefs. The International Handkerchief Mfg. Co. Nos. 119,960-1; Dec. 25; v. 245; p. 1021.
- Handkerchiefs. Smith's Handy Handkerchief Co. No. 114,835; Jan. 2; v. 234; p. 372.
- Handles for hand-bags and other transportable articles, Protective. Rice & Wallenstein. No. 116,003; Mar. 27; v. 236; p. 1217.
- Hardware and plumbing and steam-fitting supplies. L. R. Lenich. No. 119,607; Dec. 4; v. 248; p. 275.
- Hardware and plumbing and steam-fitting supplies, Certain named. American Steel Export Company. No. 118,734; Oct. 2; v. 243; p. 235.
- Hardware and plumbing and steam-fitting supplies, Certain named. Bridgeport Brass Company. No. 119,500; Nov. 27; v. 244; p. 1081.
- Hardware and plumbing and steam-fitting supplies, Certain named. Columbian Enameling & Stamping Company. No. 118,751; Oct. 2; v. 243; p. 235.
- Hardware and plumbing and steam-fitting supplies, Certain named. The F. A. Neider Company. No. 118,804; Oct. 2; v. 243; p. 237.
- Hardware and plumbing and steam-fitting supplies, Certain named. Walter G. Ruggles Company. No. 117,362; July 3; v. 240; p. 335.
- Hardware, Certain named. The Republic Metalware Co. No. 115,806; Mar. 6; v. 236; p. 279.
- Hardware, plumbing, and steam-fitting supplies, Certain named. A. Kreamer Inc. No. 118,673; Sept. 25; v. 242; p. 988.
- Hardwood and fine timber and lumber. S. K. Taylor. No. 116,166; Apr. 10; v. 237; p. 618.
- Hardwood and pine lumber. Mississippi Lumber Company. No. 117,184; June 19; v. 239; p. 936.
- Harmonic strings. Hawkes & Son. No. 118,970; Oct. 16; v. 243; p. 790.
- Harness and saddle pads. Norfolk Woolen Co. No. 115,374; Feb. 6; v. 235; p. 320.
- Harrows and land-rollers, Disk. T. E. Bissell Company. No. 115,582; Feb. 27; v. 235; p. 1349.
- Hat-blocks, shoe-last. J. M. Daffron. No. 119,883; Dec. 18; v. 245; p. 840.
- Hat sweat-bands. Brigham Hopkins Co. No. 118,880; Oct. 9; v. 243; p. 520.
- Hats. Ariston Hat Mfg. Co. No. 115,573; Feb. 27; v. 235; p. 1349.
- Hats. Leyser, Green Co. No. 115,096; Jan. 23; v. 234; p. 1308.
- Hats. The Thistle Hat Co. No. 116,704; May 15; v. 238; p. 979.
- Hats and caps. George Borgfeldt & Co. No. 117,242; June 26; v. 239; p. 1205.
- Hats and caps. The Hat Manufacturers Supply Company. No. 118,036; Aug. 14; v. 241; p. 617.
- Hats and caps for men, women, and children. George Borgfeldt & Co. No. 117,098; June 19; v. 239; p. 933.
- Hats and caps, Men's, women's, and children's. Holtime Thistle Company. No. 115,762; Mar. 6; v. 236; p. 278.
- Hats, bonnets, toques, cloaks, dresses, outer suits, Ladies'. Joseph. No. 116,955; June 5; v. 239; p. 315.
- Hats, caps, shirts, collars, cuffs, and leather shoes. A. M. Malouf. No. 114,794; Jan. 2; v. 234; p. 370.
- Hats for men. F. Berg & Co. No. 116,938; June 5; v. 239; p. 315.
- Hats, Ladies'. M. E. Haupt. No. 114,755; Jan. 2; v. 234; p. 369.
- Hats, Ladies'. M. Uffand & Co. No. 114,846; Jan. 2; v. 234; p. 372.
- Hats, Ladies'. M. Uffand & Co. No. 116,018; Mar. 27; v. 236; p. 1218.
- Hats, Ladies', misses', and children's. J. I. Guedalia. No. 119,701; Dec. 11; v. 245; p. 547.
- Hats, Men's and women's fur-felt. E. A. Mallory and Sons. Nos. 114,792-3; Jan. 2; v. 234; p. 370.
- Hats, Straw. S. Well. No. 115,421; Feb. 6; v. 235; p. 321.
- Hatchets, axes, chisels, &c. The Williams Hardware Co. No. 115,263; Jan. 30; v. 234; p. 1581.
- Headache-powders and remedies for constipation, liver complaint, &c. H. C. Haak. No. 118,034; Aug. 14; v. 241; p. 617.
- Headlight-lenses. The Legalite Corporation. No. 116,225; Apr. 17; v. 237; p. 914.
- Headlight-lenses. Super-Lighting Company. No. 119,218; Oct. 30; v. 243; p. 1306.
- Headlight non-glare devices, Automobile. J. E. Ryan. No. 117,925; Aug. 7; v. 241; p. 296.
- Hearing. Mechanical device used as an aid to. E. B. Meyrowitz, Inc. No. 118,209; Aug. 21; v. 241; p. 909.
- Heat-insulating cans. O'Brien-Hicks Iceless Container Co. No. 119,233; Nov. 6; v. 244; p. 287.
- Heaters and can-driers, being essentially parts of dairy machines or equipments. Jensen Creamery Machinery Company. No. 115,619; Feb. 27; v. 235; p. 1350.
- Heaters and stoves, Coal. C. V. Hill. No. 114,758; Jan. 2; v. 234; p. 369.
- Heating apparatus, Certain named. Gas Appliance Company. No. 116,306; Apr. 24; v. 237; p. 1214.
- Heating, lighting, and ventilating apparatus, Certain named. W. N. Best, Inc. No. 119,639; Dec. 11; v. 245; p. 545.
- Heating, lighting, and ventilating apparatus, Certain named. The Edward Katzinger Company. No. 115,516; Feb. 20; v. 235; p. 1050.
- Heating, lighting, and ventilating apparatus, Certain named. Warren Webster and Company. Nos. 118,601-2; Sept. 18; v. 242; pp. 746-7.
- Heel lifts and levelers. A. E. Block. No. 114,688; Jan. 2; v. 234; p. 367.
- Heels, heel-lifts, and soles, Composition. Elberite Heel and Leather Co. No. 114,877; Jan. 9; v. 234; p. 667.
- Hemostatics for local application. Eli Lilly and Company. No. 119,739; Dec. 11; v. 245; p. 548.
- Herb compounds (bitters) remedial in cases of stomach and bowel disorders. J. Gretsche. No. 117,660; July 24; v. 240; p. 1162.
- Herbs for the treatment of certain named diseases. Z. Gatkowski. No. 117,309; July 3; v. 240; p. 334.
- Hog and chicken cholera, Preparation for treatment of. W. P. Snyder. No. 115,471; Feb. 13; v. 235; p. 692.
- Hog and pig rings. W. E. Pratt. No. 114,909; Jan. 9; v. 234; p. 668.
- Hog-cholera and foot-and-mouth disease. N. Chennaux. No. 114,703; Jan. 2; v. 234; p. 368.
- Hog-cholera, Preparation for the treatment of. W. E. Crutcher. No. 117,299; July 3; v. 240; p. 333.
- Hog-conditioner and worm-destroyer. W. Pageler. No. 119,760; Dec. 11; v. 245; p. 549.
- Hog-oilers. American Steel Products Co. No. 117,502; July 17; v. 240; p. 935.
- Hog-tonic. G. R. Corl. No. 117,298; July 3; v. 240; p. 333.
- Horns, Manually-operable automobile. Warnola Manufacturing Company. No. 117,621; July 17; v. 240; p. 938.
- Horns, spark-plugs, batteries, and battery-boxes, Electric auto-. The Mutual Motor Stores Company. No. 119,612; Dec. 4; v. 245; p. 275.
- Horse-collars. The Boncamp Manufacturing Company. No. 118,853; Oct. 9; v. 243; p. 519.
- Horse-collars. Hermann-Sanford Saddlery Company. Nos. 115,336-7; Feb. 6; v. 235; p. 319.
- Horse-radish, piccalilli, maysonnaise, chow-chow, &c. Aunt Jane Co. No. 119,723; Dec. 11; v. 245; p. 548.
- Hose and machinery packing made of rubber and cotton. The Manhattan Rubber Mfg. Co. No. 114,796; Jan. 2; v. 234; p. 371.
- Hose made partly of rubber and partly of cotton. The Manhattan Rubber Mfg. Co. No. 116,776; May 22; v. 238; p. 1326.
- Hose of rubber and fabric, Conducting-. Fabric Tire Hose Company. No. 119,954; Dec. 25; v. 245; p. 1021.
- Hose, Rubber and cotton. The Manhattan Rubber Mfg. Co. No. 115,000; Jan. 16; v. 234; p. 1041.
- Hosiery. The Beebe-Howes Company. No. 118,852; Oct. 9; v. 243; p. 519.
- Hosiery. The Friedman Company. No. 117,307; July 3; v. 240; p. 333.
- Hosiery. W. T. Grant Company. No. 115,887; Mar. 20; v. 236; p. 885.
- Hosiery. S. H. Kress & Company. Nos. 116,902-3; June 5; v. 239; p. 314.
- Hosiery. Linowear Hosiery Company. No. 117,258; June 26; v. 239; p. 1205.
- Hosiery. W. H. Marler Company. No. 119,229; Nov. 6; v. 244; p. 287.
- Hosiery. May Hosiery Mills. No. 117,260; June 26; v. 239; p. 1205.
- Hosiery. Paramount Knitting Company. Nos. 116,449-50; May 1; v. 238; p. 307.
- Hosiery. Rice-Stix Dry Goods Company. No. 116,921; June 5; v. 239; p. 314.
- Hosiery. Richmond Hosiery Mills. No. 117,921; Aug. 7; v. 241; p. 296.
- Hosiery. Snyder Brothers. No. 115,405; Feb. 6; v. 235; p. 321.
- Hosiery. Sulloway Mills. No. 118,446; Sept. 4; v. 242; p. 251.
- Hosiery. A. V. Victorius & Co. No. 115,703; Feb. 27; v. 235; p. 1353.
- Hosiery. A. V. Victorius & Co. No. 119,836; Dec. 11; v. 245; p. 551.
- Hosiery. Wallach & Mayer. No. 115,044; Jan. 16; v. 234; p. 1043.
- Hosiery. The Wilmington Hosiery Mills. No. 116,731; May 15; v. 238; p. 980.
- Hosiery and knitted underwear. H. E. Schwarz. No. 117,476; July 10; v. 240; p. 637.
- Hosiery-feet. Carson, Pirie, Scott & Co. No. 116,881; June 5; v. 239; p. 313.
- Hosiery, knit underwear and jerseys, sweaters, work-shirts. Consolidated Mills Co. No. 118,163; Aug. 21; v. 241; p. 906.
- Hot-water-bag, &c., cover and hanger. E. M. Peters. No. 116,679; May 15; v. 238; p. 978.
- Hot-water-boiler covering. H. W. Johns-Manville Co. No. 114,974; Jan. 16; v. 234; p. 1040.
- Hot-water bottles. A. S. Campbell Company. No. 115,879; Mar. 20; v. 236; p. 885.
- Hot-water bottles and fountain-syringes. Peninsular Chemical Company. No. 115,015; Jan. 16; v. 234; p. 1042.
- Hot-water bottles, syringes, ice-caps, &c. Geo. L. Clafflin Company. No. 118,156; Aug. 21; v. 241; p. 905.

- House organ issued monthly. John F. Jelke Company. No. 115,089; Jan. 23; v. 234; p. 1308.
- House organ published intermittently. The Farmers' Review. No. 116,948; June 5; v. 239; p. 315.
- Houses, Knockdown. Sears, Roebuck and Co. No. 117,210; June 19; v. 239; p. 937.
- Houses, Portable. Nicolai Door Manufacturing Co. No. 116,351; Apr. 24; v. 237; p. 1259.
- Houses, Sectional. Manchester Manufacturing Company. No. 118,979; Oct. 16; v. 243; p. 790.
- Humidifiers, atomizers, humidity-controllers for use in ventilating buildings. American Moistening Company. No. 116,110; Apr. 10; v. 237; p. 617.
- Humidifiers for internal-combustion engines. Esta Water Auxiliator Co. Nos. 118,644-5; Sept. 25; v. 242; p. 988.
- Hydrocarbon used in the treatment of certain named diseases. Soluble sulfonated. J. A. Cushing. No. 116,827; May 29; v. 238; p. 1635.
- Hydrocarbons and derivatives thereof, as toluol, anilin, and nitrobenzene. R. H. Brownlee. No. 117,638; July 24; v. 240; p. 1161.
- Hypophosphites, Preparation of. Fellows Medical Manufacturing Company. Nos. 118,019-20; Aug. 14; v. 241; p. 616.
- Hypophosphites, Preparation of. Fellows Medical Manufacturing Company. No. 118,398; Sept. 4; v. 242; p. 249.
- Ice-cream. United Cigar Stores Company of America. No. 119,406; Nov. 13; v. 244; p. 562.
- Ice-cream and candies. P. C. Spraul. No. 119,990; Dec. 25; v. 245; p. 1022.
- Ice-cream, butter, milk, and sweet cream. Mono Service Cream Co. No. 117,049; June 12; v. 239; p. 652.
- Ice-cream, condensed milk, butter, cheese, &c. F. W. Lange. No. 117,164; June 19; v. 239; p. 935.
- Ice-cream cones. Consolidated Wafer Company. No. 119,268; Nov. 13; v. 244; p. 558.
- Ice-cream cones. Eagle Manufacturing Co. No. 117,427; July 10; v. 240; p. 635.
- Ice-cream cones. Roberts Cone Manufacturing Company. No. 116,555; May 8; v. 238; p. 646.
- Ice making and dispensing machines. Fruit. Snolo Company. No. 119,806; Dec. 11; v. 245; p. 550.
- Incense vessels. Aladdin Products Co. No. 118,481; Sept. 18; v. 242; p. 743.
- Incubators and brooders. X-Ray Incubator Company. No. 117,967; Aug. 7; v. 241; p. 298.
- Indexes, Card-. Mellicke Calculator Company. No. 114,902; Jan. 9; v. 234; p. 668.
- Indicators and index devices, card-indexes, &c. The Rand Company. No. 116,458; May 1; v. 238; p. 307.
- Indigestion, flatulency, vertigo, &c. F. S. Hanf. No. 117,037; June 12; v. 239; p. 651.
- Inflammations, eruptions, and irritations of the skin. L. Baron. No. 115,580; Feb. 27; v. 235; p. 1349.
- Ingots, castings, &c., and Babbitt metal. The Ajax Metal Company. No. 114,668; Jan. 2; v. 234; p. 367.
- Injection and capsules for treatment of gonorrhea. Patterson Drug Co. No. 116,356; Apr. 24; v. 237; p. 1215.
- Ink and writing-ink in tablet form. Writing. The General Eclipse Company. No. 114,881; Jan. 9; v. 234; p. 668.
- Ink constituent, Orange mineral used as an. Picher Lead Company. No. 114,908; Jan. 9; v. 234; p. 668.
- Ink-well. H. Chesson & Son. No. 117,295; July 3; v. 240; p. 333.
- Ink-wells. The General Eclipse Company. No. 116,212; Apr. 17; v. 237; p. 913.
- Inks and inking materials, Certain named. Goldman Costume Company. No. 118,289; Aug. 28; v. 241; p. 1152.
- Inks and writing fluids, Writing, &c. Diamond Ink Co. No. 118,633; Sept. 25; v. 242; p. 987.
- Inks, Compositions for use with printers' and lithographers'. Roko Manufacturing Co. No. 116,461; May 1; v. 238; p. 307.
- Inks, Duplicating-. Meuser & Meuser. No. 116,964; June 5; v. 239; p. 315.
- Inks in both liquid and soluble tablet form. De Luxe Mfg. Co. No. 115,595; Feb. 27; v. 235; p. 1349.
- Inks, Printing-. F. E. Okie Company. No. 116,677; May 15; v. 238; p. 978.
- Inks, Writing and drawing. J. Ulrich. No. 115,695; Feb. 27; v. 235; p. 1353.
- Insect-destroying powder. H. T. Tomsitt. No. 116,380; Apr. 24; v. 237; p. 1216.
- Insecticide. W. J. Bixler. No. 118,745; Oct. 2; v. 243; p. 235.
- Insecticide. National Paper Products Company. No. 116,349; Apr. 24; v. 237; p. 1215.
- Insecticide and deodorizer. White Cross Chemical Company. No. 119,154; Oct. 23; v. 243; p. 1063.
- Insecticide, germ-killer and disinfectant, fly-killer and insecticide. Northern Insecticide Specialty Co. No. 117,699; July 24; v. 240; p. 1163.
- Insecticides. The H. E. Allen Mfg. Co. No. 117,280; July 3; v. 240; p. 333.
- Insecticides and fungicides for spraying plants and trees. R. A. Harris. No. 119,307; Nov. 13; v. 244; p. 559.
- Insecticides, germicides, disinfectants, &c. Midland Chemical Company. No. 119,099; Oct. 23; v. 243; p. 1061.
- Insoles. Britton West and Charles R. Cooper, a Firm. No. 116,385; Apr. 24; v. 237; p. 1216.
- Insoles, box-toes, and heel-counters for boots and shoes. Composition. United States Rubber Company. Nos. 116,665-6; May 8; v. 238; p. 647.
- Instep-arch supports. Schoell Manufacturing Company. No. 117,207; June 19; v. 239; p. 937.
- Insulated wire. Atlantic Insulated Wire & Cable Company. No. 114,858; Jan. 9; v. 234; p. 667.
- Insulated wire and friction-tape. United States Rubber Company. No. 119,143; Oct. 23; v. 243; p. 1063.
- Insulating material. Electrical. The Continental Fibre Company. No. 117,249; June 26; v. 239; p. 1205.
- Insulating material, Felted-vegetable-fiber heat-. Northern Insulating Company. No. 115,375; Feb. 6; v. 235; p. 320.
- Insulator-knobs, Porcelain. The Findlay Electric Porcelain Company. No. 114,735; Jan. 2; v. 234; p. 369.
- Insulator, Thermal and acoustic. Union Fibre Company. No. 116,867; May 29; v. 238; p. 1636.
- Intestinal astringent and antispasmodic. The Bayer Company. No. 119,637; Dec. 11; v. 245; p. 545.
- Iron and steel building materials, Structural. Concrete Engineering Company. No. 118,162; Aug. 21; v. 241; p. 906.
- Jackets and vests. W. W. Brown. No. 115,437; Feb. 13; v. 235; p. 691.
- Jacks, Automobile and tire-saver. The Ashland Products Co. No. 119,491; Nov. 27; v. 244; p. 1081.
- Jar-rings. The Mechanical Rubber Company. No. 119,198; Oct. 30; v. 243; p. 1306.
- Jar rings, Fruit-. R. E. Tongue & Bros. Co. No. 117,271; June 26; v. 239; p. 1206.
- Jellies, preserves, and marmalades, Fruit. Florida Fruit Preserving Co. No. 116,511; May 8; v. 238; p. 645.
- Jelly and ice-cream powders, gelatins. Waukesha Pure Food Company. No. 115,420; Feb. 6; v. 235; p. 321.
- Jelly, guava paste, and guava cream, Guava. The Cuban Confectionery and Trading Company. No. 119,672; Dec. 11; v. 245; p. 546.
- Jewelry. North American Watch Co. No. 119,562; Nov. 27; v. 244; p. 1083.
- Jewelry and precious-metal ware, Certain named. Henry W. Fishel & Sons. No. 119,521; Nov. 27; v. 244; p. 1082.
- Jewelry and precious-metal ware, Certain named. J. M. Fisher Company. No. 118,965; Oct. 16; v. 243; p. 789.
- Jewelry and precious-metal ware, Certain named. Goldman Costume Company. No. 118,517; Sept. 18; v. 242; p. 744.
- Jewelry and precious-metal ware, Certain named. May & Malone. No. 114,901; Jan. 9; v. 234; p. 668.
- Jewelry, Certain named articles of. The C. M. Abbott Company. No. 116,570; May 15; v. 238; p. 975.
- Joints, Universal. Arvac Manufacturing Company. No. 115,576; Feb. 27; v. 235; p. 1349.
- Journal and market-paper issued triweekly, Trade. R. Keitel. No. 118,199; Aug. 21; v. 241; p. 907.
- Journal, Monthly aeronautical. J. F. L. Collins. No. 115,736; Mar. 6; v. 236; p. 277.
- Journal, Monthly trade. Isko, Incorporated. No. 119,320; Nov. 13; v. 244; p. 559.
- Kerosene. The Texas Company. No. 118,717; Sept. 25; v. 242; p. 990.
- Kerosene used as a hair-dressing and dandruff-remover. Odorless. C. Kervan. No. 116,526; May 8; v. 238; p. 646.
- Knit and cut underwear, Men's and boys'. Elder Manufacturing Co. No. 115,948; Mar. 27; v. 236; p. 1216.
- Knit underwear, Ladies', misses', and children's. Achuff Knitting Mill. No. 114,916; Jan. 16; v. 234; p. 1039.
- Knitted and textile material, Certain named underwear of. The Friedman Company. No. 118,872; Oct. 9; v. 243; p. 520.
- Knitted and textile sweaters, hosiery, &c. Delson Knitting Mills. No. 115,072; Jan. 23; v. 234; p. 1307.
- Knitted and textile underwear and sweaters. Kuttner & Siegel. No. 115,093; Jan. 23; v. 234; p. 1308.
- Knitted fabrics in the piece. L. F. Wanner Co. No. 116,384; Apr. 24; v. 237; p. 1216.
- Knitted, netted, and textile fabrics, Certain. Leshner, Whitman & Co. No. 117,045; June 12; v. 239; p. 651.
- Knitted, netted, and textile fabrics, Certain named. L. C. Chase & Company. No. 117,294; July 3; v. 240; p. 333.
- Knitted, netted, and textile fabrics, Certain named. L. C. Chase & Company. No. 118,383; Sept. 4; v. 242; p. 249.
- Knitted, netted, and textile fabrics, Certain named. Derrysale Linen Company. No. 118,866; Oct. 9; v. 243; p. 519.
- Knitted, netted, and textile fabrics, Certain named. Goldman Costume Company. No. 118,403; Sept. 4; v. 242; p. 250.
- Knitted, netted, and textile fabrics, Certain named. James A. Hearn & Son. No. 117,439; July 10; v. 240; p. 636.
- Knitted, netted, and textile fabrics, Certain named. A. M. Malouf. No. 118,897; Oct. 9; v. 243; p. 520.
- Knitted, netted, and textile fabrics, Certain named. John Wanamaker. No. 115,705; Feb. 27; v. 235; p. 1353.
- Knitted piece goods of wool, worsted, or silk or mixtures thereof, Woven. R. Deutsch. No. 118,164; Aug. 21; v. 241; p. 906.
- Knitted underwear. Duofold Health Underwear Company. No. 115,317; Feb. 6; v. 235; p. 318.

Alphabetical list of trade-marks—Continued.

- Knitted underwear in one and two piece garments. Lax & Burghimer. No. 114,894; Jan. 9; v. 234; p. 668.
- Knitted underwear, sweaters, and stockings, corsets. Union Special Machine Company. No. 115,697; Feb. 27; v. 235; p. 1353.
- Knitted underwear, sweaters, and sweater-coats. Union Mills. No. 117,796; July 31; v. 240; p. 1447.
- Knives. John Chatillon & Sons. Nos. 119,506-7; Nov. 27; v. 244; p. 1081.
- Knives and fruit-knives, Table. Landers, Frary & Clark. No. 114,780; Jan. 2; v. 234; p. 370.
- Labels, Blank. The Rose Patch & Label Co. No. 118,575; Sept. 18; v. 242; p. 746.
- Labels, Coupon-books of address. C. D. Meeker. No. 116,913; June 5; v. 239; p. 314.
- Labels, Printed. The Rose Patch and Label Co. No. 118,094; Aug. 14; v. 241; p. 619.
- Laboratory appliances, Chemical and scientific. The Laboratory Supply Co. No. 117,569; July 17; v. 240; p. 937.
- Laboratory-ware, Resistant chemical. Pacific Platinum Works. No. 116,081; Apr. 3; v. 237; p. 306.
- Lace. Richmond Lace Works. No. 117,061; June 12; v. 239; p. 652.
- Laces and cotton goods in the piece. M. Smolowitz. No. 114,910; Jan. 9; v. 234; p. 668.
- Laces by the piece. Atlas Embroidery Works. No. 117,734; July 31; v. 240; p. 1445.
- Laces, knitted insertion and edgings for underwear. R. S. Byram. No. 117,245; June 26; v. 239; p. 1205.
- Lacquer and thinners. United States Lacquer Company. No. 117,001; June 5; v. 239; p. 317.
- Lactic-acid culture. M. Wahl. No. 117,798; July 31; v. 240; p. 1447.
- Ladders. The John S. Tilley Ladders Co. No. 116,992; June 5; v. 239; p. 316.
- Lamp receptacles, Electric. Pass & Seymour. No. 115,863; Mar. 13; v. 236; p. 592.
- Lamps and lanterns. Gasolene and oil. The Yale Light Co. No. 117,802; July 31; v. 240; p. 1447.
- Lamps and parts thereof, Electric. The Adams-Bagnall Electric Co. No. 116,739; May 22; v. 238; p. 1325.
- Lamps, Burning. Silver & Co. No. 115,543; Feb. 20; v. 235; p. 1051.
- Lamps, Electric. H. Boker & Co. No. 116,201; Apr. 17; v. 237; p. 913.
- Lamps, Electric. H. Boker & Co. No. 118,622; Sept. 25; v. 242; p. 987.
- Lamps, Electric. The Hawthorne Manufacturing Company. No. 115,334; Feb. 6; v. 235; p. 319.
- Lamps, Electric. Howe Manufacturing Company. No. 118,663; Sept. 25; v. 242; p. 988.
- Lamps, Electric. J. O'Connor. No. 115,216; Jan. 30; v. 234; p. 1579.
- Lamps, Electric. Retherford Brothers Company. No. 119,917; Dec. 18; v. 245; p. 841.
- Lamps, Electric. Stewart-Warner Speedometer Corporation. Nos. 117,217-18; June 19; v. 239; p. 937.
- Lamps, Electric incandescent. General Electric Company. No. 118,028; Aug. 14; v. 241; p. 616.
- Lamps, Miners' electric. The Concordia Safety Lamp Co. No. 116,292; Apr. 24; v. 237; p. 1213.
- Lamps of electric form. H. Kienzle. No. 114,775; Jan. 2; v. 234; p. 370.
- Lamps, their accessories and supplies, Arc and electric. Kötting & Mathiesen Aktiengesellschaft. No. 116,775; May 22; v. 238; p. 1326.
- Lantern-lenses. Johnston Glass Co. No. 119,191; Oct. 30; v. 243; p. 1306.
- Lanterns, Gasolene-burning. National Stamping and Electric Works. No. 117,904; Aug. 7; v. 241; p. 296.
- Lap-robots, Plush. Sidney Blumenthal & Co. No. 115,584; Feb. 27; v. 235; p. 1349.
- Lard compound. Geo. P. Braun Company. No. 117,411; July 10; v. 240; p. 635.
- Lard compound. The Procter and Gamble Company. No. 119,372; Nov. 13; v. 244; p. 561.
- Lard substitute. Geo. P. Braun Company. No. 117,514; July 17; v. 240; p. 935.
- Lard substitute. Interstate Cotton Oil Refining Co. No. 117,151; June 19; v. 239; p. 935.
- Lard substitute composed of cotton-seed oil and oleostearin. Interstate Cotton Oil Refining Co. No. 117,149; June 19; v. 239; p. 935.
- Lard-substitute compound. Armstrong Packing Company. No. 118,484; Sept. 18; v. 242; p. 743.
- Lathes. Dalton Machine Co. No. 119,051; Oct. 23; v. 243; p. 1060.
- Lathes. Machinery Merchants, Inc. No. 116,439; May 1; v. 238; p. 306.
- Lathes, drills, planers, and grinders, Engine, &c. The Cincinnati Iron & Steel Company. No. 115,844; Mar. 13; v. 236; p. 591.
- Laundry appliances and machines, Certain named. Goldman Costume Company. No. 118,874; Oct. 9; v. 243; p. 520.
- Lavatories. Kohler Co. No. 116,066; Apr. 3; v. 237; p. 306.
- Lavatories. Kohler Co. No. 118,788; Oct. 2; v. 243; p. 237.
- Laxative. Calotabs Company. No. 119,257; Nov. 13; v. 244; p. 557.
- Laxative. Tryalax Mfg. Co. No. 116,477; May 1; v. 238; p. 307.
- Laxative in tablet form. Independent Trading Co. No. 118,531; Sept. 18; v. 242; p. 744.
- Laxative jam. Cantrell & Dawson. No. 116,820; May 29; v. 238; p. 1635.
- Laxative preparation. The Mu-Col Company. No. 114,809; Jan. 2; v. 234; p. 371.
- Laxative preparation. L. Rubenstein. No. 119,379; Nov. 13; v. 244; p. 561.
- Laxatives. R. Martin. No. 115,004; Jan. 16; v. 234; p. 1041.
- Leather. F. Blumenthal Company. No. 118,490; Sept. 18; v. 242; p. 743.
- Leather. F. Blumenthal Company. No. 119,642; Dec. 11; v. 245; p. 545.
- Leather. The Joseph N. Eisendrath Company. No. 117,429; July 10; v. 240; p. 636.
- Leather. The Joseph N. Eisendrath Company. No. 118,396; Sept. 4; v. 242; p. 249.
- Leather. The Joseph N. Eisendrath Company. No. 119,284; Nov. 13; v. 244; p. 558.
- Leather. Graton and Knight Manufacturing Company, The. No. 114,749; Jan. 2; v. 234; p. 369.
- Leather. Geo. Kipp & Son. No. 117,449; July 10; v. 240; p. 636.
- Leather. A. C. Lawrence Leather Co. No. 116,329; Apr. 24; v. 237; p. 1215.
- Leather. Carl E. Schmidt & Co. No. 116,737; May 22; v. 238; p. 1325.
- Leather and rubber substitute. A. L. Hatfield. No. 116,764; May 22; v. 238; p. 1325.
- Leather and skins. Anciens Etablissements A. Combe & Fils & Cie. No. 118,459; Sept. 11; v. 242; p. 513.
- Leather, Artificial and imitation. Titus Blatter & Company. No. 117,948; Aug. 7; v. 241; p. 297.
- Leather, Calf, elk, and side upper. L. F. Robertson & Sons. No. 115,666; Feb. 27; v. 235; p. 1352.
- Leather, coated textile fabrics, and a leather substitute, Artificial. L. C. Chase & Company. No. 117,416; July 10; v. 240; p. 635.
- Leather-dressing. P. D. Ballard. No. 118,140; Aug. 21; v. 241; p. 905.
- Leather-filler in liquid form containing no oil. T. A. Flynn & Son Company. No. 118,169; Aug. 21; v. 241; p. 906.
- Leather for boots and shoes, Upper. Beggs & Cobb. No. 119,638; Dec. 11; v. 245; p. 545.
- Leather, Imitation. Felsenthal Bros. & Co. No. 118,511; Sept. 18; v. 242; p. 744.
- Leather in the form of tanned hides. Casco Tanning Company. No. 117,292; July 3; v. 240; p. 333.
- Leather in the piece, specially-prepared leather, rawhide, hydraulic-cup leather, and curried mill-butts. Chas. A. Schieren Company. No. 117,928; Aug. 7; v. 241; p. 296.
- Leather, including curried and sole leathers and leather strapping. Alexander Brothers. No. 119,857; Dec. 18; v. 245; p. 839.
- Leather, Kid, calf, patent, sheep, cabrites, splits, and sole. N. J. Reilly & Company. No. 115,664; Feb. 27; v. 235; p. 1352.
- Leather, Manufactured. Salomon & Phillips. No. 117,474; July 10; v. 240; p. 637.
- Leather, particularly japanned or "patent" leather. W. D. Byron & Sons. No. 114,936; Jan. 16; v. 234; p. 1039.
- Leather, Prepared and partly-prepared, tanned, and sole. Chas. Stoecker Tanning Co. No. 119,814; Dec. 11; v. 245; p. 551.
- Leather-pressing machine, Fabric rolls for. E. J. F. Quirin. No. 115,020; Jan. 16; v. 234; p. 1042.
- Leather, Rawhide and lace. Chas. A. Schieren Company. No. 116,984; June 5; v. 239; p. 316.
- Leather, Sole. J. Paskus & Son. No. 116,786; May 22; v. 238; p. 1326.
- Leather substitute, Shoe. The Goodyear's Metallic Rubber Shoe Co. No. 115,507; Feb. 20; v. 235; p. 1050.
- Leather, Washable. L. Meyers & Son. No. 115,205; Jan. 30; v. 234; p. 1579.
- Leathers, Patent upper. Adirondack Leather Co. No. 118,370; Sept. 4; v. 242; p. 249.
- Lemon and club sodas, ginger-ale, orangeade, &c. Great Radium Spring Water Company. No. 118,521; Sept. 18; v. 242; p. 744.
- Lemon and club sodas, ginger-ale, orangeade, &c. Great Radium Spring Water Company. No. 119,527; Nov. 27; v. 244; p. 1082.
- Lemons. Murphy Oil Company. No. 115,785; Mar. 6; v. 236; p. 279.
- Lemons. San Fernando Lemon Association. No. 117,926; Aug. 7; v. 241; p. 296.
- Lemons. Tustin Lemon Association. No. 117,226; June 19; v. 239; p. 937.
- Lemons and oranges. American Fruit Distributors of California. No. 117,080; June 19; v. 239; p. 935.
- Lemons, grape-fruit, and oranges. San Fernando Heights Lemon Co. No. 119,380; Nov. 13; v. 244; p. 561.
- Lemons, oranges, and grape-fruit. San Fernando Heights Lemon Co. No. 117,205; June 19; v. 239; p. 936.
- Lens-testing instruments. F. A. Hardy & Company. No. 116,058; Apr. 3; v. 237; p. 306.
- Lenses for lanterns. F. A. Hardy & Co. No. 116,762; May 22; v. 238; p. 1325.

- Lenses for vault-light construction. Davis Carpenter & Co. No. 115,943; Mar. 27; v. 236; p. 1216.
- Lenses, Ophthalmic. F. A. Hardy & Co. No. 117,138; June 19; v. 239; p. 935.
- Lenses, Optical. General Optical Company. No. 117,310; July 3; v. 240; p. 334.
- Lenses, Spectacle-. United States Lens Company. No. 115,869; Mar. 13; v. 236; p. 592.
- Letter-cases, wallets, and pocket-books. H. Scheuer & Sons. No. 116,368; Apr. 24; v. 237; p. 1216.
- Letters, mailing-lists, catalogues of mailing-lists, &c. Form-. Buckley, Dement & Company. No. 117,993; Aug. 14; v. 241; p. 615.
- Lettuce. C. W. Zuck & Sons. No. 119,159; Oct. 23; v. 243; p. 1063.
- Licorice, Manufactured. National Licorice Co. No. 116,153; Apr. 10; v. 237; p. 618.
- Lighting apparatus and parts, Certain named. Welsbach Co. No. 118,247; Aug. 21; v. 241; p. 908.
- Lighting-cabinets equipped with electric lamps. M. J. Wohl & Co. No. 117,893; July 3; v. 240; p. 336.
- Lighting-fixtures. General Electric Company. No. 118,174; Aug. 22; v. 241; p. 906.
- Lighting-standards, poles, piling, brick blocks, and tiles. H. A. Landwehr. No. 116,326; Apr. 24; v. 237; p. 1214.
- Limbs, Sockets and corsets of artificial. J. E. Hanger, Inc. No. 118,293; Aug. 28; v. 241; p. 1152.
- Lime, Agricultural. The Agricultural and Commercial Lime Company. No. 118,729; Oct. 2; v. 243; p. 235.
- Lime, Agricultural. The Agricultural and Commercial Lime Company. No. 118,843; Oct. 9; v. 243; p. 519.
- Lime and raw limestone, Mixture of hydrated. Charles Warner Company. No. 119,840; Dec. 11; v. 245; p. 551.
- Lime, Ground. Chemical Lime & Sand Company. No. 115,491; Feb. 20; v. 235; p. 1049.
- Lime, Hydrated. The Agricultural and Commercial Lime Company. No. 118,180; Aug. 21; v. 241; p. 905.
- Lime-juice. L. D. Huntington, Jr. No. 118,467; Sept. 11; v. 242; p. 513.
- Limestone, Agricultural ground. Kentucky Lithograph Stone Co. No. 118,885; Oct. 9; v. 243; p. 520.
- Linen and half-linen piece goods. Remy, Schmidt & Pleissner. No. 118,919; Oct. 9; v. 243; p. 521.
- Liniment for certain named diseases. W. Richman. No. 117,707; July 24; v. 240; p. 1163.
- Liniment for certain named ailments. J. G. Roussel. No. 118,576; Sept. 18; v. 242; p. 746.
- Liniment for certain named purposes. D. Wróblewski. No. 115,132; Jan. 23; v. 234; p. 1309.
- Liniment for rheumatism. B. A. Bennie. No. 115,724; Mar. 6; v. 236; p. 277.
- Liniment for rheumatism, asthma, colds, &c. A. Centanni. No. 116,037; Apr. 3; v. 237; p. 305.
- Liniment for rheumatism, scalds, burns, sprains, and backache. G. J. Seidenspinner. No. 116,924; June 5; v. 239; p. 314.
- Liniment for rheumatism, sprains, corns, cuts, &c. G. M. Seiple. No. 117,370; July 3; v. 240; p. 335.
- Liniment for sprains, stiff joints, bruises, &c., Antiseptic. Senger Drug Co. No. 116,796; May 22; v. 238; p. 1326.
- Liniment for use in treating all abrasions of the skin of animals. J. W. Pinkerton Veterinary Medicine Co. No. 119,367; Nov. 13; v. 244; p. 560.
- Liniment, salve, and tonic for pellagra, piles, and blood impurities. A. Brown. No. 119,037; Oct. 23; v. 243; p. 1059.
- Liniments and medicinal preparations for treating certain named ailments and diseases. The Imperial Chemical Co. No. 118,414; Sept. 4; v. 242; p. 250.
- Liniments and remedies for bruises, sores, wounds, abrasions. C. E. Maley. No. 118,424; Sept. 4; v. 242; p. 250.
- Liniments for croup, chest-colds, pneumonia, bruises, &c. Valley Chemical Co. No. 115,256; Jan. 30; v. 234; p. 1580.
- Liquors, Malt. M. Bailey. No. 118,616; Sept. 25; v. 242; p. 987.
- Locomotives, Steam-. Lima Locomotive Works. No. 118,679; Sept. 25; v. 242; p. 989.
- Logs. S. K. Taylor. No. 116,991; June 5; v. 239; p. 316.
- Looms. The Stafford Company. Nos. 118,099-100; Aug. 14; v. 241; p. 619.
- Lotion, Antiseptic. The Baptistine Pharmacal Co. No. 116,112; Apr. 10; v. 237; p. 617.
- Lotion, Antiseptic and healing. Entol Products Co. No. 115,746; Mar. 6; v. 236; p. 278.
- Lotion for use after shaving and for chapped skin, burns, and headache, Antiseptic. S. R. Hambleton. No. 115,331; Feb. 6; v. 235; p. 319.
- Lotion for use on the skin. Toilet. The Edward Wesley Company. No. 118,122; Aug. 14; v. 241; p. 619.
- Lotion, Lip-reducing. L. Gardner. No. 116,305; Apr. 24; v. 237; p. 1214.
- Lotion, Shaving-. Manufacturing Chemists' Agency. No. 116,337; Apr. 24; v. 237; p. 1215.
- Lotion, Toilet. E. J. Barry. No. 119,865; Dec. 18; v. 245; p. 839.
- Lotions, Face-. The J. B. Williams Company. No. 115,470; Feb. 13; v. 235; p. 692.
- Lotions for the cure of sore nipples, chapped hands and lips, burns, bruises. S. W. Oehler. No. 119,363; Nov. 13; v. 244; p. 560.
- Lotions, pomades, and powders for use in the treatment of wounds. R. A. Odier. No. 115,793; Mar. 6; v. 236; p. 279.
- Lotions, Tooth-. Curry Chemical Company. No. 117,836; Aug. 7; v. 241; p. 294.
- Lozenges, Mint. L. N. Moss. No. 118,987; Oct. 16; v. 243; p. 790.
- Lozenges, Mint. L. N. Moss. No. 119,463; Nov. 20; v. 244; p. 814.
- Lubricant for internal-combustion-engine cylinders and carbon-forming preventive. C. E. Paden. No. 115,462; Feb. 13; v. 235; p. 692.
- Lubricants, Apex Manufacturing Co. No. 116,028; Apr. 3; v. 237; p. 305.
- Lubricants. L. D. Pettit. No. 118,085; Aug. 14; v. 241; p. 618.
- Lubricants consisting of oils and greases. A. C. Buzby. No. 115,157; Jan. 30; v. 234; p. 1577.
- Lubricating-greases, lubricating and illuminating oils, &c. Riverside Oil Company. No. 118,702; Sept. 25; v. 242; p. 989.
- Lumber. Central Timber Export Co. No. 119,657; Dec. 11; v. 245; p. 546.
- Lumber. Willapa Lumber Co. No. 118,363; Aug. 28; v. 241; p. 1154.
- Lumber and shingles. H. C. Angell. No. 115,273; Feb. 6; v. 235; p. 317.
- Lumber and timber, Yellow-pine. Eastman, Gardiner & Company. No. 115,882; Mar. 20; v. 236; p. 885.
- Lumber, Finished and unfinished. The Long-Bell Lumber Company. No. 116,332; Apr. 24; v. 237; p. 1215.
- Lumber, Hardwood. The Bayou Land & Lumber Company. No. 114,864; Jan. 9; v. 234; p. 667.
- Lumber, Hardwood. The Bayou Land & Lumber Company. No. 119,494; Nov. 27; v. 244; p. 1081.
- Luminous compounds. Schlesinger Radium Co. No. 117,063; June 12; v. 239; p. 652.
- Luminous materials containing radium for general use. Radium Luminous Material Corporation. No. 115,021; Jan. 16; v. 234; p. 1042.
- Lures—viz., spoons, wabblers, and spinners, Artificial. Min-Nix Company. No. 116,779; May 22; v. 238; p. 1326.
- Lye, Powdered. Brookman Manufacturing Company. No. 115,436; Feb. 13; v. 235; p. 691.
- Macaroni. F. Amerise. No. 115,913; Mar. 27; v. 236; p. 1215.
- Macaroni. L. Formenti. No. 119,291; Nov. 13; v. 244; p. 558.
- Macaroni. Mother's Macaroni Company. No. 115,988; Mar. 27; v. 236; p. 1217.
- Macaroni. The Pompeian Co. No. 115,386; Feb. 6; v. 235; p. 320.
- Macaroni. Tharinger Macaroni Co. No. 117,616; July 17; v. 240; p. 938.
- Macaroni. Vineland Preserving Company. No. 117,070; June 12; v. 239; p. 652.
- Macaroni. The Youngstown Macaroni Co. No. 115,713; Feb. 27; v. 235; p. 1353.
- Macaroni and canned sardines. V. Marrone. No. 119,972; Dec. 25; v. 245; p. 1022.
- Macaroni and spaghetti. Viviano Bros. Macaroni Co. No. 119,996; Dec. 25; v. 245; p. 1023.
- Macaroni, preserved figs, ripe olives. Austin, Nichols & Co. No. 115,720; Mar. 6; v. 236; p. 277.
- Macaroni products. Scarpelli Bros. No. 118,223; Aug. 21; v. 241; p. 908.
- Macaroni, spaghetti, and noodles. National Macaroni Company. No. 118,319; Aug. 28; v. 241; p. 1153.
- Macaroni, spaghetti, and vermicelli. B. Fabien & Company. No. 117,536; July 17; v. 240; p. 936.
- Macaroni, vermicelli, and spaghetti. Imperial Macaroni Manufacturing Company. No. 119,317; Nov. 13; v. 244; p. 559.
- Machine parts—viz., couplings and nuts. The Leslie Company. No. 115,198; Jan. 30; v. 234; p. 1579.
- Magazine devoted to sign-painters, display-advertisers, and the like, Monthly. The Signs Of The Times Publishing Company. No. 117,372; July 5; v. 240; p. 335.
- Magazine, Monthly. American Automobile Association Publishing Company. No. 118,132; Aug. 21; v. 241; p. 905.
- Magazine, Monthly. American Farming Publishing Company. No. 118,134; Aug. 21; v. 241; p. 905.
- Magazine, Monthly. The Atlas Portland Cement Company. No. 114,677; Jan. 2; v. 234; p. 367.
- Magazine, Monthly. Automobile Club of Rochester. No. 118,139; Aug. 21; v. 241; p. 905.
- Magazine, Monthly. Automotive Engineering Publishing Co. No. 117,404; July 10; v. 240; p. 635.
- Magazine, Monthly. L. E. Covington. No. 118,278; Aug. 28; v. 241; p. 1151.
- Magazine, Monthly. B. V. Crandall. No. 118,280; Aug. 28; v. 241; p. 1151.
- Magazine, Monthly. B. V. Crandall. No. 119,880; Dec. 18; v. 245; p. 839.
- Magazine, Monthly. Sea Power Publishing Company. No. 115,236; Jan. 30; v. 234; p. 1580.
- Magazine, Monthly. Service Motor Supply Co. No. 114,833; Jan. 2; v. 234; p. 372.

- Magazine, Monthly. Service Motor Supply Company. No. 118,578; Sept. 18; v. 242; p. 746.
- Magazine, Monthly. C. D. Tuska. No. 115,088; Jan. 16; v. 234; p. 1042.
- Magazine, Monthly. Welding Engineer Publishing Co. No. 118,246; Aug. 21; v. 241; p. 908.
- Magazine or journal, Monthly. Art Metal Construction Co. No. 115,142; Jan. 30; v. 234; p. 1577.
- Magazine or periodical, Monthly. Realty Service Publishing Co., by change of name Realty Publishing Co. No. 116,979; June 5; v. 239; p. 316.
- Magazine published monthly. B. V. Crandall. No. 119,671; Dec. 11; v. 245; p. 546.
- Magazine published weekly. The Class Journal Co. No. 119,659; Dec. 11; v. 245; p. 546.
- Magazine-section of a monthly publication. Scott Publishing Company. No. 117,933; Aug. 7; v. 241; p. 297.
- Magazine-section title. Charles Scribner's Sons. No. 118,226; Aug. 21; v. 241; p. 908.
- Magazine, Semimonthly. Earl Studios. No. 116,947; June 5; v. 239; p. 315.
- Magazines, Monthly. Briggs-Weaver Machinery Co. No. 118,149; Aug. 21; v. 241; p. 905.
- Magazines, Monthly. Hubbard Milling Co. No. 118,779; Oct. 2; v. 243; p. 236.
- Magazines, Monthly. The Rudder Publishing Co. No. 116,242; Apr. 17; v. 237; p. 914.
- Magazines or periodicals, Monthly. American Optical Company. No. 118,733; Oct. 2; v. 243; p. 235.
- Magazines, Weekly. F. C. Gunning. No. 116,951; June 5; v. 239; p. 315.
- Magnesia, Calcined. Frazar & Company. No. 117,033; June 12; v. 239; p. 651.
- Magnetos. J. J. Hill, Jr. No. 119,533; Nov. 27; v. 244; p. 1082.
- Magnetos and magneto parts. Sumter Electrical Co. No. 115,031; Jan. 16; v. 234; p. 1042.
- Magnetos, electric starters, and electrical motors for automobiles. Menominee Electric Products. No. 119,610; Dec. 4; v. 245; p. 275.
- Malt, non-intoxicating beverage, Brewed. Evansville Brewing Assn. No. 117,653; July 24; v. 240; p. 1161.
- Malt sugar and flour. G. A. Buhl. No. 117,824; Aug. 7; v. 241; p. 293.
- Mandolins, guitars, music-rolls, &c. Sears, Roebuck and Co. No. 119,126; Oct. 23; v. 243; p. 1062.
- Manganese salts. Frazar & Company. No. 116,211; Apr. 17; v. 237; p. 913.
- Manicure buffers, sticks, and files, emery-boards. Northam Warren Corporation. No. 117,584; July 17; v. 240; p. 937.
- Manifolds, carbureters, air-filters, internal-combustion motors. The Kerosene Motor Co. No. 118,045; Aug. 14; v. 241; p. 617.
- Maps, Geographical. P. Parnitzky. No. 116,785; May 22; v. 238; p. 1326.
- Marble-dust, hydrated and other limes. Vermont Marble Company. No. 115,561; Feb. 20; v. 235; p. 1052.
- Marking-pots. A. Kreamer, Inc. No. 118,674; Sept. 25; v. 242; p. 989.
- Marmalades. C. B. Drake. No. 117,532; July 17; v. 240; p. 936.
- Marmalades and jams. Glencrest Food Co. No. 115,750; Mar. 6; v. 236; p. 278.
- Marshmallows. Imperial Candy Company. No. 117,667; July 24; v. 240; p. 1162.
- Massage-vibrators and electric-massage-treatment apparatus. Adbro Manufacturing Company. No. 118,728; Oct. 2; v. 243; p. 235.
- Mat and runner, Sole-leather. F. Alexe. No. 118,482; Sept. 18; v. 242; p. 743.
- Mats, Cocoa. F. G. Ruddiman Company. No. 118,815; Oct. 2; v. 243; p. 237.
- Matting, tapestry, carpets, rugs, mats. A. M. Malouf. No. 118,978; Oct. 16; v. 243; p. 790.
- Matches. The Louis Hilfer Company. No. 116,636; May 15; v. 238; p. 977.
- Matrices, Mergenthaler Linotype Company. No. 116,340; Apr. 24; v. 237; p. 1215.
- Matrices, type-setting, type-casting, and line-casting and the parts thereof, Machines for composing. The Linograph Company. No. 115,977; Mar. 27; v. 236; p. 1217.
- Mattresses. The Cudahy Packing Company. No. 118,752; Oct. 2; v. 243; p. 235.
- Mattresses and upholstering. L. R. Gans. No. 114,743; Jan. 2; v. 234; p. 369.
- Mattresses, pillows, bolsters, cushions, bedsteads. Ostermoor & Co. No. 117,909; Aug. 7; v. 241; p. 296.
- Mayonnaise and olivenaise. The Schlorer Delicatessen Company. No. 117,929; Aug. 7; v. 241; p. 296.
- Mayonnaise dressing. R. C. Williams & Company. No. 115,712; Feb. 27; v. 235; p. 1353.
- Meal, Cotton-seed. Bowen & Murphy. No. 114,691; Jan. 2; v. 234; p. 367.
- Meal, Cotton-seed. Gulfport Grocery Co. No. 115,329; Feb. 6; v. 235; p. 319.
- Meal, Cotton-seed. J. P. Keeton. No. 115,193; Jan. 30; v. 234; p. 1578.
- Meal for food. Cotton-seed. Bowen & Murphy. No. 114,690; Jan. 2; v. 234; p. 367.
- Measures, Liquid. A. Kreamer, Inc. No. 118,302; Aug. 28; v. 241; p. 1152.
- Measuring and scientific apparatus, Certain named. H. Forester. No. 119,888; Dec. 18; v. 245; p. 840.
- Measuring and scientific appliances, Certain named. American Optical Company. No. 119,022; Oct. 23; v. 243; p. 1059.
- Measuring and scientific appliances, Certain named. Bausch & Lomb Optical Co. No. 117,976; Aug. 14; v. 241; p. 615.
- Measuring and scientific appliances, Certain named. Goldman Costume Company. No. 118,653; Sept. 25; v. 242; p. 988.
- Measuring and scientific appliances, Certain named. F. A. Hardy & Company. No. 114,883; Jan. 9; v. 234; p. 668.
- Measuring and scientific appliances, Certain named. Westinghouse Electric & Manufacturing Company. No. 118,722; Sept. 25; v. 242; p. 990.
- Meats and lard, Fresh, smoked, and salted. G. Lang. No. 115,195; Jan. 30; v. 234; p. 1578.
- Meats, dried salt meats, and lard, Smoked. Wilson Provision Company. No. 114,852; Jan. 2; v. 234; p. 372.
- Meats, sausages, lard, oleomargarin, Fresh, cured, &c. Kingan & Company. No. 115,766; Mar. 6; v. 236; p. 278.
- Medical and pharmaceutical preparation for the curing of corns. S. K. Saleeby. No. 115,027; Jan. 16; v. 234; p. 1042.
- Medical and surgical applications, Certain named. The Mechanical Rubber Company. No. 118,311; Aug. 28; v. 241; p. 1152.
- Medical and surgical supplies, Certain named. The Faultless Rubber Co. No. 115,601; Feb. 27; v. 235; p. 1350.
- Medical compound for preventing and treating certain named diseases in cattle and cornstalks. Schultz Pharmacy. No. 117,368; July 3; v. 240; p. 335.
- Medical compound for the treatment of certain named affections. Kernrex Medicated Earth Co. No. 118,048; Aug. 14; v. 241; p. 617.
- Medical preparation for diseases of the human feet. The Fe-Te-Zo Company. No. 118,513; Sept. 18; v. 242; p. 744.
- Medical preparation for gastro-intestinal disturbances. Berlin Laboratory. No. 119,035; Oct. 23; v. 243; p. 1059.
- Medicaments for rectal and vaginal application. E. M. Pond. No. 116,550; May 8; v. 238; p. 646.
- Medicinal alternative-eliminant pharmaceutical compound. John Wyeth & Brother. No. 118,127; Aug. 14; v. 241; p. 620.
- Medicinal chemical for the treatment of rheumatism. Röhm & Haas. No. 115,025; Jan. 16; v. 234; p. 1042.
- Medicinal compound for constipation and indigestion. C. D. Hoffar. No. 117,664; July 24; v. 240; p. 1162.
- Medicinal compound for nourishing the blood, nerves, and tissues. E. I. Runner. No. 118,095; Aug. 14; v. 241; p. 619.
- Medicinal compound for the treatment of certain named diseases. Royal Remedies Company. No. 119,120; Oct. 23; v. 243; p. 1062.
- Medicinal compound for the treatment of lung trouble. Ignatius Lempera Co. No. 119,714; Dec. 11; v. 245; p. 548.
- Medicinal compounds, Certain. G. Pizzo. No. 119,772; Dec. 11; v. 245; p. 549.
- Medicinal powders taken internally for relief of pains in the stomach. Bellingham Chemical Co. No. 119,869; Dec. 18; v. 245; p. 839.
- Medicinal preparation. The Abbott Laboratories. No. 114,666; Jan. 2; v. 234; p. 367.
- Medicinal preparation for burns, frost-bites, and skin abrasions generally. The Abbott Laboratories. No. 117,626; July 24; v. 240; p. 1161.
- Medicinal preparation for indigestion. The Wobb Drug Co. No. 119,850; Dec. 11; v. 245; p. 552.
- Medicinal preparation for inoculating swine against cholera. Fowler Packing Co. No. 117,657; July 24; v. 240; p. 1162.
- Medicinal preparation for internal uses. Dae Health Laboratories. No. 119,673; Dec. 11; v. 245; p. 546.
- Medicinal preparation for stomach and nervous troubles, la grippe, &c. Young & Howard. No. 119,854; Dec. 11; v. 245; p. 552.
- Medicinal preparation for the kidneys and liver. F. L. Baca. No. 114,924; Jan. 16; v. 234; p. 1039.
- Medicinal preparation for the treatment of certain named diseases. The Columbus Pharmacal Company. No. 115,162; Jan. 30; v. 234; p. 1577.
- Medicinal preparation for treating certain named diseases. W. W. Alexander. No. 119,622; Dec. 11; v. 245; p. 545.
- Medicinal preparation for treating hog-cholera. A. J. Hager. No. 114,752; Jan. 2; v. 234; p. 369.
- Medicinal preparation having laxative or cathartic properties. Beggs Manufacturing Company. No. 118,488; Sept. 18; v. 242; p. 743.
- Medicinal preparation on the order of the Bulgarian bacillus. The Arlington Chemical Co. No. 119,489; Nov. 27; v. 244; p. 1081.
- Medicinal preparation or tonic for use in certain named conditions. H. P. Wilkins. No. 116,569; May 8; v. 238; p. 647.
- Medicinal preparations, Certain. M. Illiceto. No. 119,316; Nov. 13; v. 244; p. 559.

- Medicinal preparations for internal use. McKesson & Robbins. No. 119,742; Dec. 11; v. 245; p. 548.
- Medicinal preparations for treating certain named diseases. B. O. & G. C. Wilson. No. 116,871; May 29; v. 238; p. 1637.
- Medicinal preparations useful in the treatment of diseases due to deficiency in diet. McKesson & Robbins. No. 117,892; Aug. 7; v. 241; p. 295.
- Medicinal tablets for headaches, rheumatism, la grippe, &c. The Antikamnia Chemical Company. No. 119,629; Dec. 11; v. 245; p. 545.
- Medicinal tonic. Cantrell & Dawson. No. 116,821; May 29; v. 238; p. 1635.
- Medicinal tonic. Centennial Drug & Supply Company. No. 119,877; Dec. 18; v. 245; p. 839.
- Medicinal tonic and nutrient. E. I. Runner. No. 118,096; Aug. 14; v. 241; p. 619.
- Medicine for asthma and bronchial trouble. A. J. Le Faivre. No. 116,330; Apr. 24; v. 237; p. 1215.
- Medicine for certain named diseases. L. W. Griser. No. 118,033; Aug. 14; v. 241; p. 617.
- Medicine for certain named diseases. E. J. Lipscombe. Nos. 115,097-8; Jan. 23; v. 234; p. 1308.
- Medicine for certain named diseases. W. J. Peppett. No. 116,452; May 1; v. 238; p. 307.
- Medicine for dogs, cats, rabbits, &c. Spratt's Patent (America). No. 116,466; May 1; v. 238; p. 307.
- Medicine for external use in the treatment of charbon, lump-jaw, weak back, and rheumatism. A. Geoffroy. No. 117,850; Aug. 7; v. 241; p. 294.
- Medicine for indigestion. Essen Remedy Company. No. 115,883; Mar. 20; v. 236; p. 885.
- Medicine for indigestion, &c. C. Wittenbacker. No. 119,933; Dec. 18; v. 245; p. 841.
- Medicine for indigestion, &c. Liquid. Foster & Mutton. No. 116,303; Apr. 24; v. 237; p. 1214.
- Medicine for influenza and distemper among horses. Liquid. O. G. Wilson. No. 115,426; Feb. 6; v. 235; p. 322.
- Medicine for irregular bowels and constipation. Hubbard Medical Mfg. Co. No. 118,773; Oct. 2; v. 243; p. 236.
- Medicine for kidney and bladder disorders. A. E. Besosa. No. 116,875; June 5; v. 239; p. 313.
- Medicine for rheumatic pains. F. Phillips. No. 115,384; Feb. 6; v. 235; p. 320.
- Medicine for rheumatic pains, gout, and lumbago. E. F. Davis. No. 116,885; June 5; v. 239; p. 313.
- Medicine for rheumatism and gout. C. Brizzolara. No. 116,115; Apr. 10; v. 237; p. 617.
- Medicine for the treatment of certain named diseases. Pitino Brothers & Company. No. 116,357; Apr. 24; v. 237; p. 1215.
- Medicine for treatment of certain named diseases. Sulfero-Sol Company. No. 119,133; Oct. 23; v. 243; p. 1062.
- Medicine, Liver. I. F. Chanslor. No. 119,260; Nov. 13; v. 244; p. 557.
- Medicine, Menstrual. M. Akamatsu. No. 119,486; Nov. 27; v. 244; p. 1081.
- Medicine, Nerve. C. L. Caron-Morin. No. 115,588; Feb. 27; v. 235; p. 1349.
- Medicine, Rheumatism and neuritis. Newberry-Edmondson Co. No. 115,009; Jan. 16; v. 234; p. 1042.
- Medicine to be used as an oxytocic. Society of Chemical Industry in Basle. No. 119,393; Nov. 13; v. 244; p. 561.
- Medicine to be used as hypnotic and sedative especially for producing a twilight sleep during labor. Society of Chemical Industry in Basle. No. 119,392; Nov. 13; v. 244; p. 561.
- Medicines and pharmaceutical preparations, Certain named. The Avalon Farms Company. No. 115,723; Mar. 6; v. 236; p. 277.
- Medicines and pharmaceutical preparations, Certain named. P. A. Dietrich. No. 116,680; May 15; v. 238; p. 978.
- Medicines and pharmaceutical preparations, Certain named. D. F. Fryer. No. 115,502; Feb. 20; v. 235; p. 1050.
- Medicines and pharmaceutical preparations, Certain named. Nave McCord Mercantile Company. No. 114,813; Jan. 2; v. 234; p. 371.
- Medicines and pharmaceutical preparations, Certain named. The Tropical Pharmacal Co. No. 115,417; Feb. 6; v. 235; p. 321.
- Medicines and remedies for treatment of certain named diseases. Proprietary. World's Dispensary Medical Association. No. 119,157; Oct. 23; v. 243; p. 1063.
- Medicines and specifics for treating certain named diseases. The C. Nelson Smith Company. No. 116,926; June 5; v. 239; p. 314.
- Medicines for preventing hog-cholera and for removal of worms, &c. Sweet & Hodgman. No. 114,843; Jan. 2; v. 234; p. 372.
- Medicines used as a tonic, stomachic, diuretic, and laxative in stomach, kidney, and liver ills. E. S. Gebhart. No. 119,295; Nov. 13; v. 244; p. 558.
- Metal and antirustification metal. Babbitt. North Atlantic Metal Corporation. No. 115,860; Mar. 13; v. 236; p. 592.
- Metal, Babbitt. The Ajax Metal Company. No. 114,670; Jan. 2; v. 234; p. 367.
- Metal, Babbitt. Hoyt Metal Company. No. 115,854; Mar. 13; v. 236; p. 591.
- Metal, Babbitt. A. H. Lemon. No. 115,637; Feb. 27; v. 235; p. 1351.
- Metal, Babbitt. Syracuse Smelting Works. No. 119,134; Oct. 23; v. 243; p. 1062.
- Metal, Chemically-alloyed high-speed bearing. Frictionless Metal Co. No. 116,425; May 1; v. 238; p. 306.
- Metal, Expanded. The Berger Manufacturing Company. No. 115,480; Feb. 20; v. 235; p. 1049.
- Metal-grinding compound. The Blu Streek Company. No. 117,815; Aug. 7; v. 241; p. 293.
- Metal or aluminum compounds in ingots, rods, &c. The Acieral Company of America. Nos. 117,235-6; June 26; v. 239; p. 1205.
- Metal-pickling compounds and ingredients thereof. The Grasselli Chemical Company. No. 115,180; Jan. 30; v. 234; p. 1578.
- Metal-polish. G. Baer. No. 114,681; Jan. 2; v. 234; p. 367.
- Metal-polish. Bendus-Cooper & Co. No. 115,929; Mar. 27; v. 236; p. 1215.
- Metal-polish. W. Korbach. No. 115,636; Feb. 27; v. 235; p. 1351.
- Metal-polish. W. E. Martin. No. 116,441; May 1; v. 238; p. 306.
- Metal-polish applicator. W. V. Bennett. No. 119,941; Dec. 25; v. 245; p. 1021.
- Metal-polish for automobile and harness trimmings, door-knobs, and brass. Economic Products Inc. No. 116,888; June 5; v. 239; p. 313.
- Metal-polishes. The Aluminex Co. No. 115,473; Feb. 20; v. 235; p. 1049.
- Metal-polishes. The Grady Mfg. Co. No. 118,291; Aug. 28; v. 241; p. 1152.
- Metal, Silvel. Silvel Metal Manufacturing Company. No. 115,241; Jan. 30; v. 234; p. 1580.
- Metal ware of brass, copper, bronze, pewter, aluminum, &c., Hollow. George Borgfeldt & Co. No. 118,854; Oct. 9; v. 243; p. 519.
- Metals and metal castings and forgings, Certain named. The Cincinnati Iron & Steel Company. No. 116,118; Apr. 10; v. 237; p. 617.
- Metals and metal castings and forgings, Certain named. The Fairley-Davidson Steel Co. Nos. 116,833-5; May 29; v. 208; p. 1635.
- Metals and metal castings and forgings, Certain named. The Fairley-Davidson Steel Co. No. 118,646; Sept. 25; v. 242; p. 988.
- Metals and metal castings and forgings, Certain named. The Fairley-Davidson Steel Co. No. 119,520; Nov. 27; v. 244; p. 1082.
- Metals and metal castings and forgings, Certain named. The Jeffrey Manufacturing Co. No. 114,772; Jan. 2; v. 234; p. 370.
- Metals and metal castings and forgings, Certain named. Sterling Metal Co. No. 118,101; Aug. 14; v. 241; p. 619.
- Metals and metal castings and forgings, Certain named. United Smelting & Aluminum Company. No. 119,142; Oct. 23; v. 243; p. 1063.
- Metals and metal castings, Certain named. American Steel Export Company. No. 119,598; Dec. 4; v. 245; p. 275.
- Metals from hydrometallurgical solutions containing same, Materials for precipitating valuable. Merrill Metallurgical Company. No. 115,003; Jan. 16; v. 234; p. 1041.
- Metals, Reclaimed. Sullivan Metal Co. No. 119,926; Dec. 18; v. 245; p. 841.
- Metals resembling bronze and castings made from said metal. American Metal Products Company. No. 117,240; June 26; v. 239; p. 1205.
- Metallic particles for rubbing, polishing, and grinding purposes. The Globe Steel Company. No. 116,897; June 5; v. 239; p. 313.
- Mica powder. Richmond Mica Company. No. 115,227; Jan. 30; v. 234; p. 1579.
- Micrometer-calipers and parts thereof. The Central Tool Company. No. 118,273; Aug. 28; v. 241; p. 1151.
- Middy-blouses and children's dresses. Rice-Stix Dry Goods Company. No. 116,091; Apr. 3; v. 237; p. 307.
- Middy-blouses, children's dresses, misses' and ladies' cotton suits. Maas & Kemper (a New Jersey Corporation). No. 118,423; Sept. 4; v. 242; p. 250.
- Middy-blouses, skirts, and suits for children, misses, and ladies, and children's dresses. Carmel & Goldman. No. 118,626; Sept. 25; v. 242; p. 987.
- Milk, Canned condensed. Helvetia Milk Condensing Company. Nos. 118,295-6; Aug. 28; v. 241; p. 1152.
- Milk-coagulant. Frederick Stearns & Co. No. 117,788; July 31; v. 240; p. 1446.
- Milk, Condensed. The Denmark Condensed Milk Company. No. 115,944; Mar. 27; v. 236; p. 1216.
- Milk, Condensed. G. R. Hardie. No. 116,522; May 8; v. 238; p. 646.
- Milk, Condensed. Holland Food Corporation. No. 116,638; May 15; v. 238; p. 977.
- Milk, Condensed. Holland Food Corporation. No. 117,040; June 12; v. 239; p. 651.
- Milk, Condensed evaporated. Federal Condensed Milk Company. No. 117,752; July 31; v. 240; p. 1445.
- Milk curdling products. Digestive Ferments Co. No. 118,634; Sept. 25; v. 242; p. 987.
- Milk, Dessicated. The Dry Milk Company. No. 118,503; Sept. 18; v. 242; p. 743.

Alphabetical list of trade-marks—Continued.

- Milk, Evaporated. C. L. Le Baron. No. 119,734; Dec. 11; v. 245; p. 548.
- Milk, Evaporated. Valacia Evaporated Milk Company. No. 115,468; Feb. 13; v. 235; p. 692.
- Milk, Evaporated. Waterloo Creamery Company. No. 118,453; Sept. 4; v. 242; p. 251.
- Milk powder, Skimmed. Merton Dairy Products Company. No. 114,802; Jan. 2; v. 234; p. 371.
- Milk, Sweetened and condensed skimmed. P. E. Sharpless Company. No. 117,934; Aug. 7; v. 241; p. 297.
- Milling, grinding, and relieving machines and cutters. The Cleveland Milling Machine Company. No. 117,998; Aug. 14; v. 241; p. 616.
- Mills, Flour. The Anglo-American Mills Co. No. 118,613; Sept. 25; v. 242; p. 987.
- Miniature paintings on porcelain to be placed upon jewelry. A. B. Commons. No. 118,277; Aug. 28; v. 241; p. 1151.
- Mirrors. Defiance Check Writer Corporation. No. 119,053; Oct. 23; v. 243; p. 1060.
- Mops, window-cleaners, brushes for household cleaning and dusting, swab and mop squeezers. A. W. Grant. No. 117,549; July 17; v. 240; p. 936.
- Mosquito-sting preventive. E. Moore. No. 116,852; May 29; v. 238; p. 1636.
- Mosquito-stinging preventive. Yellow Pine Medicine Co. No. 115,871; Mar. 13; v. 236; p. 592.
- Motor-cycles. The Schickel Motor Co. No. 118,474; Sept. 11; v. 242; p. 513.
- Motor-fuel intensifier or improver. Motorade Chemical Co. No. 119,555; Nov. 27; v. 244; p. 1083.
- Motors and electric-motor driving mechanisms for sound-reproducing machines, Electric. W. F. Hitchcock. No. 118,038; Aug. 14; v. 241; p. 617.
- Motors, Direct and alternating current electric. The Reliance Electric & Engineering Company. No. 118,698; Sept. 25; v. 242; p. 989.
- Motors, dynamos, &c., Electric. The Northwestern Manufacturing Company. No. 118,690; Sept. 25; v. 242; p. 989.
- Motors for sewing-machines and controllers therefor, Electric. The Singer Manufacturing Company. Nos. 118,708-11; Sept. 25; v. 242; p. 990.
- Mouth and dental washes. Colgate & Co. No. 118,000; Aug. 14; v. 241; p. 616.
- Mouth-wash. L. Alford. No. 117,628; July 24; v. 240; p. 1161.
- Mouth-wash, antiseptic and astringent. The Dental and Toilet Products Corporation. No. 116,123; Apr. 10; v. 237; p. 617.
- Mowers, Lawn. The Philadelphia Lawn Mower Company. Nos. 116,453-6; May 1; v. 238; p. 307.
- Mowers, Lawn. The Philadelphia Lawn Mower Company. Nos. 117,596-8; July 17; v. 240; p. 938.
- Mucilage. The Cushman & Denison Manufacturing Company. No. 116,041; Apr. 3; v. 237; p. 305.
- Music-paper. West Virginia Pulp & Paper Company. No. 119,846; Dec. 11; v. 245; p. 552.
- Music-rolls for automatic musical instruments. Imperial Player Roll Co. No. 116,219; Apr. 17; v. 237; p. 913.
- Music, Sheet. Triangle Music Pub. Co. No. 116,102; Apr. 3; v. 237; p. 307.
- Music, Sheet, pamphlets, and books of. H. A. Rodeheaver. No. 119,794; Dec. 11; v. 245; p. 550.
- Music sheets or rolls, Perforated. Standard Music Roll Co. No. 115,244; Jan. 30; v. 234; p. 1580.
- Musical instruments and supplies, Certain named. Goldman Costume Company. No. 118,290; Aug. 28; v. 241; p. 1152.
- Musical instruments and supplies, Certain named. Sonora Phonograph Corporation. No. 119,474; Nov. 20; v. 244; p. 814.
- Musical instruments and supplies, Certain named. The Starr Piano Company. No. 118,345; Aug. 28; v. 241; p. 1153.
- Musical instruments of the xylophone type. J. C. Deagan. No. 116,412; May 1; v. 238; p. 305.
- Musical instruments, strings for such instruments, and bows for playing the same. H. T. Heberlein, Jr. No. 114,884; Jan. 9; v. 234; p. 668.
- Mustard, catsup, jellies, vinegar. Duprey-Faulmann Company. No. 117,843; Aug. 7; v. 241; p. 294.
- Naphtha, gasoline, benzine, &c. Tide Water Oil Co. No. 119,138; Oct. 23; v. 243; p. 1062.
- Neckties. B. Altman & Co. No. 115,716; Mar. 6; v. 236; p. 277.
- Neckties. Carter & Holmes. No. 116,941; June 5; v. 239; p. 315.
- Neckties and mufflers. T. E. Greaney. No. 117,317; July 3; v. 240; p. 334.
- Neckties and neckscarfs. Church, Webb & Close. No. 116,203; Apr. 17; v. 237; p. 913.
- Nerve food, Medicated tonic. Casein, Limited. No. 115,159; Jan. 30; v. 234; p. 1577.
- Nettings, veils, and veillings. E. & Z. Van Raalte. No. 114,849; Jan. 2; v. 234; p. 872.
- Nettings, veils, and veillings in the piece. E. & Z. Van Raalte. No. 116,450; May 1; v. 238; p. 307.
- Nettings, veils, and veillings in the piece. E. & Z. Van Raalte. No. 118,934; Oct. 9; v. 243; p. 522.
- Newspaper. E. T. Earl. No. 114,953; Jan. 16; v. 234; p. 1040.
- Newspaper. E. T. Earl. No. 115,169; Jan. 30; v. 234; p. 1578.
- Newspaper and magazine articles, a magazine-section published periodically. E. M. Gilmer. No. 115,850; Mar. 13; v. 236; p. 591.
- Newspaper and magazine articles, magazine-section published periodically. E. Schorer. No. 116,371; Apr. 24; v. 237; p. 1216.
- Newspaper, Daily. Evening Herald Publishing Company. No. 115,177; Jan. 30; v. 234; p. 1578.
- Newspaper publication. The Newspaper Enterprise Association. No. 117,698; July 24; v. 240; p. 1163.
- Newspaper-section. International News Service. No. 116,062; Apr. 3; v. 237; p. 306.
- Newspaper-section. E. V. Kemper. No. 115,349; Feb. 6; v. 235; p. 319.
- Newspaper-section. King Feature Syndicate. No. 118,975; Oct. 16; v. 243; p. 790.
- Newspaper-section. Newspaper Feature Service. No. 115,010; Jan. 16; v. 234; p. 1042.
- Newspaper-section. Newspaper Feature Service. No. 117,465; July 10; v. 240; p. 637.
- Newspaper-section. Star Company. No. 114,842; Jan. 2; v. 234; p. 372.
- Newspaper-section. Star Company. No. 116,804; May 22; v. 238; p. 1327.
- Newspaper-section published periodically. Press Publishing Company. Nos. 119,775-86; Dec. 11; v. 245; pp. 549-50.
- Newspaper-section published weekly. Periodical Publishing Co. No. 119,763; Dec. 11; v. 245; p. 549.
- Newspaper-sections. Star Company. No. 115,410; Feb. 6; v. 235; p. 321.
- Newspaper-sections. Star Company. Nos. 116,247-9; Apr. 17; v. 237; p. 914.
- Newspaper-sections. Star Company. Nos. 118,234-6; Aug. 21; v. 241; p. 908.
- Newspaper-supplements. The Picture Press. No. 116,787; May 22; v. 238; p. 1326.
- Newspaper-supplements. Rotofotos, Inc. No. 116,793; May 22; v. 238; p. 1326.
- Night-lights, candles, and tapers. George Borgfeldt & Co. No. 115,154; Jan. 30; v. 234; p. 1577.
- Noodles. R. Elsinger. No. 116,299; Apr. 24; v. 237; p. 1214.
- Nurses, nursing-bottles, and rubber nipples. D. B. Smith. No. 116,798; May 22; v. 238; p. 1327.
- Nut-meats. R. E. Funsten Dried Fruit & Nut Co. No. 114,742; Jan. 2; v. 234; p. 369.
- Nuts. Western Screw & Lock-Nut Co. No. 116,810; May 22; v. 238; p. 1327.
- Nuts, bolts, and metal washers. Grip Nut Company. No. 116,429; May 1; v. 238; p. 306.
- Nuts, Salted. Marple Bros. No. 115,982; Mar. 27; v. 236; p. 1217.
- Nuts, Salted. Marple Bros. No. 116,338; Apr. 24; v. 237; p. 1215.
- Oakum for packing and calking. American Manufacturing Company. No. 115,920; Jan. 16; v. 234; p. 1039.
- Oats and barley, Mixture of clipped white. Armour Grain Company. No. 115,141; Jan. 30; v. 234; p. 1577.
- Oats, Clipped white. Armour Grain Company. Nos. 114,856-7; Jan. 9; v. 234; p. 667.
- Oats, Rolled white. Armour Grain Company. No. 117,089; June 19; v. 239; p. 933.
- Oil, a liniment, and a medicinal compound, Antiseptic. H. Vickery. No. 117,722; July 24; v. 240; p. 1164.
- Oil and petroleum belt-dressing, Petroleum harness. Standard Oil Company. No. 119,991; Dec. 25; v. 245; p. 1022.
- Oil and ready-mixed paints, Linseed. W. R. Grace & Co. No. 116,427; May 1; v. 238; p. 306.
- Oil and salt, beta-naphthol, indulin, ponceau 2 G, scarlet 2 R, Anilin. The Calco Chemical Company. No. 119,875; Dec. 18; v. 245; p. 839.
- Oil, Castor. G. G. Bowman. No. 117,290; July 3; v. 240; p. 333.
- Oil-cloth. The Cott-a-lap Company. No. 114,949; Jan. 16; v. 234; p. 1040.
- Oil, Cod-liver. Russia Cement Company. No. 115,398; Feb. 6; v. 235; p. 321.
- Oil, Cooking. Armstrong Packing Company. No. 117,732; July 31; v. 240; p. 1445.
- Oil emulsion, Olive. The Pompeian Co. No. 115,018; Jan. 16; v. 234; p. 1042.
- Oil for cleaning and polishing, Liquid. Magic Mist, Incorporated. No. 114,791; Jan. 2; v. 234; p. 370.
- Oil for dustless mops and dust-cloths. Sears, Roebuck & Co. No. 118,098; Aug. 14; v. 241; p. 619.
- Oil for human and animal use and paranitranilin, Medicinal linseed. The Sherwin-Williams Co. No. 116,008; Mar. 27; v. 236; p. 1218.
- Oil for polishing, Atomizing-dispensers for liquid. Magic Mist, Incorporated. No. 116,227; Apr. 17; v. 237; p. 914.
- Oil for screw-cutting and all other lubricating purposes, Cotton-seed. The American Cotton Oil Company. No. 114,854; Jan. 9; v. 234; p. 667.
- Oil for use in sizing cotton, silk, and woolen yarns, Sulfonated. Wm. C. Robinson & Son Co. No. 119,378; Nov. 13; v. 244; p. 561.
- Oil for use in the manufacture of printing-inks, Cotton-seed. The American Cotton Oil Company. No. 115,137; Jan. 30; v. 234; p. 1577.

- Oil, Hair-. W. Bess. No. 115,433; Feb. 13; v. 235; p. 691.
- Oil, Hair-. Madam's Buford & Owens. No. 115,878; Mar. 20; v. 236; p. 885.
- Oil, Hair and scalp. Hairpidermis Cosmetic Manufacturing Co. No. 118,774; Oct. 2; v. 243; p. 236.
- Oil, Harness-. J. C. Nourse. No. 117,700; July 24; v. 240; p. 1162.
- Oil, Illuminating-. Tide Water Oil Co. No. 116,017; Mar. 27; v. 236; p. 1218.
- Oil, Lubricating-. W. D. Kibler Co. No. 117,257; June 26; v. 239; p. 1205.
- Oil, Lubricating-. F. W. Kimball. No. 117,336; July 3; v. 240; p. 334.
- Oil, Lubricating-. Tide Water Oil Co. No. 118,109; Aug. 14; v. 241; p. 619.
- Oil, Lubricating motor-. Motor Sales Garage Company. No. 118,687; Sept. 25; v. 242; p. 989.
- Oil, Machinery-lubricating. Beacon Motor Supply Company. No. 114,684; Jan. 2; v. 234; p. 367.
- Oil, Medicinal preparation of olive-. The Jelol Company. No. 115,764; Mar. 6; v. 236; p. 278.
- Oil, Olive-. F. Albano. No. 119,619; Dec. 11; v. 245; p. 545.
- Oil, Olive-. Elysée Olive Oil Co. No. 115,745; Mar. 6; v. 236; p. 278.
- Oil, Olive-. N. Goodman & son. No. 119,698; Dec. 11; v. 245; p. 547.
- Oil, Olive-. Hijos de Ybarra. No. 119,279; Nov. 13; v. 244; p. 558.
- Oil, Olive-. Italian Products Distributing Co. Nos. 118,194-5; Aug. 21; v. 241; p. 907.
- Oil, Olive-. Kakarakis Brothers. No. 117,565; July 17; v. 240; p. 937.
- Oil, Olive-. F. & J. di Palma. No. 119,949; Dec. 25; v. 245; p. 1021.
- Oil, Olive-. L. E. Schoenfeld. No. 118,818; Oct. 2; v. 243; p. 238.
- Oil, Peanut-. Bosman & Lohman Co. No. 115,155; Jan. 30; v. 234; p. 1577.
- Oil, Refined petroleum-. The Tide Water Oil Co. No. 118,718; Sept. 25; v. 242; p. 990.
- Oil, Salad-. Armstrong Packing Company. No. 117,733; July 31; v. 240; p. 1445.
- Oil, transmission-grease, and differential-grease, Lubricating-. The Warren Refining & Chemical Co. No. 118,120; Aug. 14; v. 241; p. 619.
- Oil used for food purposes, Vegetable. The Southern Cotton Oil Company. No. 115,681; Feb. 27; v. 235; p. 1352.
- Oil used in a process for sterilizing eggs, Neutral mineral. Sterilized Egg Co. No. 118,587; Sept. 18; v. 242; p. 746.
- Oil used in the treatment of textile fabrics. Kali Manufacturing Co. No. 119,322; Nov. 13; v. 244; p. 559.
- Oil-well supplies. Bradford Motor Works. No. 118,624; Sept. 25; v. 242; p. 987.
- Oils and greases. Crew Levick Company. Nos. 116,404-7; May 1; v. 238; p. 305.
- Oils and greases. Crew Levick Company. No. 116,826; May 29; v. 238; p. 1635.
- Oils and greases. Crew Levick Company. Nos. 117,114-5; June 19; v. 239; p. 934.
- Oils and greases. Crew Levick Company. Nos. 117,520-6; July 17; v. 240; p. 935.
- Oils and greases. Crew Levick Company. No. 118,001; Aug. 14; v. 241; p. 616.
- Oils and greases. Crew Levick Company. No. 118,053; Aug. 14; v. 241; p. 617.
- Oils and greases. Crew Levick Company. No. 119,050; Oct. 23; v. 243; p. 1060.
- Oils and greases. Speedway Motor Oil Co. No. 117,213; June 19; v. 239; p. 937.
- Oils and greases, Certain named. The Atlantic Refining Company. No. 117,283; July 3; v. 240; p. 333.
- Oils and greases, Certain named. Mutual Oil Company. No. 118,079; Aug. 14; v. 241; p. 618.
- Oils and greases, Certain named. Standard Oil Company of New York. No. 114,840; Jan. 2; v. 234; p. 372.
- Oils and greases, Certain named. Union Petroleum Company. Nos. 119,588-9; Nov. 27; v. 244; p. 1084.
- Oils and greases, Illuminating and lubricating. Galena-Signal Oil Company. No. 114,879; Jan. 9; v. 234; p. 668.
- Oils and greases, Illuminating and lubricating. Warren Oil Company. Nos. 115,260-1; Jan. 30; v. 234; p. 1580.
- Oils and greases, Illuminating, heating, and lubricating. Vacuum Oil Company. No. 115,043; Jan. 16; v. 234; p. 1043.
- Oils and greases, Lubricating. Durkee-Atwood Co. No. 116,417; May 1; v. 238; p. 306.
- Oils and greases, Lubricating. Lubrex Oil & Grease Company. No. 118,680; Sept. 25; v. 242; p. 989.
- Oils and greases, Lubricating. Winona Oil Company. No. 118,724; Sept. 25; v. 242; p. 990.
- Oils and greases made from petroleum. Sinclair Oil & Refining Corporation. No. 116,693; May 15; v. 238; p. 978.
- Oils and greases, Motor-lubricating. H. E. Rogers. No. 116,159; Apr. 10; v. 237; p. 618.
- Oils and lubricant, Lubricating-. B. G. Desmond. No. 119,057; Oct. 23; v. 243; p. 1060.
- Oils and petroleum asphalts and pitches, Road and roofing. The Atlantic Refining Company. No. 119,631; Dec. 11; v. 245; p. 548.
- Oils and stains, Finishing. M. Bariffi. No. 114,683; Jan. 2; v. 234; p. 367.
- Oils, chemicals, and compounds, Carbon-removing and gasoline-saving. J. C. Caldwell. No. 114,696; Jan. 2; v. 234; p. 368.
- Oils for lubricating and cushioning purposes, Petroleum-. Standard Oil Company. No. 116,698; May 15; v. 238; p. 979.
- Oils, Fuel-. Mexican Petroleum Corporation. No. 116,667; May 15; v. 238; p. 978.
- Oils, Fuel-. Mexican Petroleum Corporation. No. 118,075; Aug. 14; v. 241; p. 618.
- Oils, Illuminating-. Tide Water Oil Co. No. 116,167; Apr. 10; v. 237; p. 618.
- Oils, Illuminating, lubricating, and fuel. The Topeka Oil Company. No. 116,475; May 1; v. 238; p. 307.
- Oils, Laxative mineral. W. B. Jacobs. No. 118,196; Aug. 21; v. 241; p. 907.
- Oils, Leather-dressing. The Pierce Company. No. 119,111; Oct. 23; v. 243; p. 1062.
- Oils, Lubricating-. The Cudahy Refining Company. No. 119,882; Dec. 18; v. 245; p. 839.
- Oils, Lubricating-. P. Frohlich. No. 114,741; Jan. 2; v. 234; p. 369.
- Oils, Lubricating-. The Swan Process Oil Company. No. 119,583; Nov. 27; v. 244; p. 1084.
- Oils, Lubricating-. True's Oil Company. Nos. 117,222-4; June 19; v. 239; p. 937.
- Oils, Polishing-. H. B. Denton. No. 115,596; Feb. 27; v. 235; p. 1349.
- Oils, Polishing-. W. B. Jacobs. No. 116,648; May 15; v. 238; p. 977.
- Oils, Soluble lubricating-. The Phoenix Oil Company. No. 115,797; Mar. 6; v. 236; p. 279.
- Oils, Soluble lubricating and cutting. The Phoenix Oil Company. No. 115,997; Mar. 27; v. 236; p. 1217.
- Oiled clothing. A. J. Tower Company. No. 115,120; Jan. 23; v. 234; p. 1309.
- Ointment. N. Graziano. No. 119,700; Dec. 11; v. 245; p. 547.
- Ointment. H. Newton. No. 119,756; Dec. 11; v. 245; p. 549.
- Ointment. Szel Import and Export Co. No. 118,105; Aug. 14; v. 241; p. 619.
- Ointment and pills. F. M. Robinson. No. 118,092; Aug. 14; v. 241; p. 618.
- Ointment especially prepared for the eye, ear, and nose, but can be used on any portion of the body. E. E. Miller. No. 116,539; May 8; v. 233; p. 646.
- Ointment for coughs, chest-colds, croup, pneumonia, &c. S. D. Clegg. No. 117,025; June 12; v. 239; p. 651.
- Ointment for skin eruptions. H. S. Lambdin. No. 116,224; Apr. 17; v. 237; p. 914.
- Ointment for sores, ulcers, and piles. Habbard Medical Mfg. Co. No. 118,772; Oct. 2; v. 243; p. 236.
- Ointment for the treatment of certain named diseases. J. E. Holmes. No. 119,312; Nov. 13; v. 244; p. 559.
- Ointment for treating certain named afflictions. Schering & Glatz. No. 119,578; Nov. 27; v. 244; p. 1084.
- Ointment for treating ulcers, running sores, swellings, and tuberculosis of the bones. M. T. Moorehead. No. 119,554; Nov. 27; v. 244; p. 1083.
- Ointment for treatment of certain named ailments. G. E. Sawyer. No. 119,800; Dec. 11; v. 245; p. 550.
- Ointment for treatment of eczema, hay-fever, coughs, &c. F. W. Israel. No. 114,771; Jan. 2; v. 234; p. 370.
- Ointment for treatment of sores, sore eyes, and eruptions. F. Mills. No. 119,433; Nov. 20; v. 244; p. 813.
- Ointment for use in the treatment of piles. W. M. Paulson. No. 119,565; Nov. 27; v. 244; p. 1083.
- Ointment, Pile-. E. D. Blaisdell. No. 116,031; Apr. 3; v. 237; p. 305.
- Ointment, Veterinary. Troy Chemical Co. No. 116,997; June 5; v. 239; p. 316.
- Ointments for headache. The William S. Merrell Chemical Company. No. 118,074; Aug. 14; v. 241; p. 618.
- Ointments for skin diseases. A. Plough. No. 119,368; Nov. 13; v. 244; p. 561.
- Oleomargarin. Capital City Dairy Co. No. 116,590; May 15; v. 238; p. 975.
- Oleomargarin. Capital City Dairy Company. No. 118,463; Sept. 11; v. 242; p. 513.
- Oleomargarin. J. H. Filbert. No. 115,602; Feb. 27; v. 235; p. 1350.
- Oleomargarin. John F. Jelke Company. No. 115,190; Jan. 30; v. 234; p. 1578.
- Oleomargarin. John F. Jelke Company. No. 117,153; June 19; v. 239; p. 935.
- Oleomargarin. John F. Jelke Company. No. 117,871; Aug. 7; v. 241; p. 295.
- Oleomargarin. J. F. Jelke Company. No. 118,534; Sept. 18; v. 242; p. 744.
- Oleomargarin. Kinney Brothers. No. 119,730; Dec. 11; v. 245; p. 548.
- Oleomargarin. A. H. Kuhlemann Company. No. 119,456; Nov. 20; v. 244; p. 814.
- Oleomargarin. Wm. J. Moxley, Inc. No. 119,347; Nov. 13; v. 244; p. 560.
- Oleomargarin. The Ohio Butterine Co. No. 117,586; July 17; v. 240; p. 937.
- Olive-naise. The Schlorer Delicatessen Company. No. 118,335; Aug. 28; v. 241; p. 1153.
- Olives. California Associated Olive Growers. No. 118,265; Aug. 28; v. 241; p. 1151.

Alphabetical list of trade-marks—Continued.

- Olives. S. J. Valk & Bro. No. 115,419; Feb. 6; v. 235; p. 321.
- Olives, pressed figs, honey, and mayonnaise dressing, Ripe. California Ripe Olive Co. No. 118,266; Aug. 28; v. 241; p. 1151.
- Olives, Stuffed ripe and ripe. Alexander & Callen. No. 116,496; May 8; v. 238; p. 645.
- Onions, Domestic. Bridge & Souter Co. No. 116,284; Apr. 24; v. 237; p. 1213.
- Optical supplies, Certain named. Universal Optical Corporation. No. 116,718; May 15; v. 238; p. 979.
- Oranges. Anaheim Citrus Fruit Association. No. 118,136; Aug. 21; v. 241; p. 905.
- Oranges, Tustin Hills Citrus Association. Nos. 117,949-50; Aug. 7; v. 241; p. 297.
- Oranges and grape-fruit. Del Oro Groves. No. 117,553; July 17; v. 240; p. 936.
- Oranges and grape-fruit. A. C. Terwilliger. No. 115,689; Feb. 27; v. 235; p. 1352.
- Oranges and lemons. Randolph Marketing Co. No. 117,265; June 26; v. 239; p. 1206.
- Oranges and lemons. Randolph Marketing Co. No. 117,920; Aug. 7; v. 241; p. 296.
- Oranges, grape-fruit, and cantaloups. American Fruit Distributors of California. No. 117,981; June 19; v. 239; p. 933.
- Oranges, grape-fruit, lemons, &c. Nocatee Citrus Growers' Association. No. 117,052; June 12; v. 239; p. 652.
- Oranges, grape-fruit, lemons, and all citrus fruits. Nocatee Citrus Growers' Association. No. 116,676; May 15; v. 238; p. 978.
- Oranges, grape-fruit, tangerines. J. T. McLain. No. 117,893; Aug. 7; v. 241; p. 295.
- Oranges, lemons, and grape-fruit. American Fruit Distributors of California. No. 117,079; June 19; v. 239; p. 933.
- Oranges, lemons, and grape-fruit. E. B. Leach. No. 118,977; Oct. 16; v. 243; p. 790.
- Oranges, lemons, and grape-fruit. Murphy Oil Company. No. 116,344; Apr. 24; v. 237; p. 1215.
- Oranges, lemons, grape-fruit, tangerines. Randolph Marketing Co. No. 117,780; July 31; v. 240; p. 1446.
- Orchestrions, Pneumatically-operated. The American Photo Player Sales Company. No. 119,024; Oct. 23; v. 243; p. 1059.
- Order-sheet and envelop, Combined. American Loose Leaf Mfg. Co. No. 118,845; Oct. 9; v. 243; p. 519.
- Organ published monthly. House. R. E. Taylor Corporation. No. 115,872; Mar. 13; v. 236; p. 592.
- Organs and parts thereof. Marr and Colton Organ Co. No. 116,663; May 15; v. 238; p. 977.
- Ornamental figures for use on various articles and structures. Geo. Borgfeldt & Co. No. 116,033; Apr. 3; v. 237; p. 305.
- Ornamental heads adapted to be applied to any article of manufacture. E. & G. Quackenbush. No. 115,224; Jan. 30; v. 234; p. 1579.
- Outlet-boxes, switch-boxes, &c. The Adapti Mfg. Company. Nos. 119,483-4; Nov. 27; v. 244; p. 1081.
- Ovens, Portable and other. Hubbard Portable Oven Co. No. 115,966; Mar. 27; v. 236; p. 1216.
- Overalls. H. A. Baker Company. No. 118,944; Oct. 16; v. 243; p. 789.
- Overalls. Burnham-Munger-Root Dry Goods Co. No. 118,151; Aug. 21; v. 241; p. 905.
- Overalls. Cohn-Goldwater & Company. No. 117,827; Aug. 7; v. 241; p. 293.
- Overalls. Reliance Manufacturing Company. No. 116,552; May 8; v. 238; p. 646.
- Overalls. Segal and Pransky. No. 115,678; Feb. 27; v. 235; p. 1352.
- Overalls. Sherman Overall Mfg. Co. No. 119,387; Nov. 13; v. 244; p. 561.
- Overalls. Levi Strauss & Co. No. 119,816; Dec. 11; v. 245; p. 551.
- Overalls and jackets. E. E. Wagner. No. 116,482; May 1; v. 238; p. 308.
- Overalls and one-piece overall-suits. The Crown Overall Manufacturing Company. No. 118,629; Sept. 25; v. 242; p. 987.
- Overalls and work-pants, shirts, and jumpers. N. B. Tichenor. Nos. 118,925-6; Oct. 9; v. 243; p. 521.
- Overalls, dress-shirts, negligees, and work-shirts. Hosch Bros. Co. No. 118,413; Sept. 4; v. 242; p. 250.
- Overalls for men, women, boys, and girls. M. W. Taylor. No. 117,068; June 12; v. 239; p. 652.
- Overalls, jackets, trousers, coats, and work-shirts, Men's. W. M. Finck & Company. No. 116,422; May 1; v. 238; p. 306.
- Overalls, jumpers, trousers, and boys' overalls. Kingsbery Manufacturing Co. Nos. 115,633-4; Feb. 27; v. 235; p. 1351.
- Overalls, one-piece outer suits, &c., Children's. Sackman Brothers Company. No. 119,796; Dec. 11; v. 245; p. 550.
- Overalls, outside shirts, and trousers. J. F. Holbert. No. 114,761; Jan. 2; v. 234; p. 369.
- Overalls, overall coats and pants. Jobbers Overall Co. No. 116,433; May 1; v. 238; p. 306.
- Overalls, work-pants, and shirts, Men's and women's. D. L. Marx Co. No. 118,681; Sept. 25; v. 242; p. 989.
- Overalls, work-shirts, and hosiery. Bittner Hunsicker & Co. No. 116,582; May 15; v. 238; p. 975.
- Overcoats. F. W. Hawck. No. 116,632; May 15; v. 238; p. 977.
- Overcoats. United States Rubber Company. Nos. 116,170-82; Apr. 10; v. 237; p. 619.
- Overcoats. L. F. Wanner Co. No. 119,839; Dec. 11; v. 245; p. 551.
- Overcoats, and summer-clothing consisting of men's suits, coats, vests, and trousers. Rosenwald & Weil. No. 119,001; Oct. 16; v. 243; p. 791.
- Overcoats, Men's. Thexton & Wright. No. 116,015; Mar. 27; v. 236; p. 1218.
- Overcoats, outer suits, hats, shirts, &c., Men's and boys'. Harrison & Littrell. No. 115,333; Feb. 6; v. 235; p. 319.
- Overlays, sheet-rubber, and rubber fabric. The Typolith Company. No. 115,557; Feb. 20; v. 235; p. 1051.
- Overshirts, overalls, underwear, and workmen's garments. Wise Brothers. No. 116,189; Apr. 10; v. 237; p. 619.
- Oxygen, acetylene, and nitrogen. Air Reduction Company. No. 119,238; Nov. 13; v. 244; p. 557.
- Oxygen and peroxid of hydrogen, Materials for the generation of. The Roessler & Hasslacher Chemical Co. No. 119,573; Nov. 27; v. 244; p. 1084.
- Oxygen, Electrolytic. The Burdett Oxygen Company. No. 117,994; Aug. 14; v. 241; p. 615.
- Oxygen gas. Pintsch Compressing Company. No. 114,821; Jan. 2; v. 234; p. 371.
- Oyster-display cases. American Can Co. No. 115,919; Jan. 16; v. 234; p. 1059.
- Oysters. Trupakt, Inc. No. 119,479; Nov. 20; v. 244; p. 814.
- Oysters, clams, &c., Fresh, salted, smoked, canned, and pickled. Booth Fisheries Company. No. 119,643; Dec. 11; v. 245; p. 545.
- Oysters, Fresh. J. H. Michaels Co. No. 117,048; June 12; v. 239; p. 652.
- Oyzo, koniak, matika, and arak. S. F. Zaloom & Co. No. 116,813; May 22; v. 238; p. 1327.
- Pacifiers. Julius Schmid, Incorporated. No. 118,334; Aug. 28; v. 241; p. 1153.
- Packing, Asbestos-fiber sheet. Home Rubber Co. No. 117,145; June 19; v. 239; p. 935.
- Packing, Asbestos sheet. H. W. Johns-Manville Company. No. 117,155; June 19; v. 239; p. 935.
- Packing, Certain named. Associated Manufacturers Company. No. 115,143; Jan. 30; v. 234; p. 1577.
- Packing, Compressed-fiber sheet. Asbestos Fibre & Rubber Co. No. 116,936; June 5; v. 239; p. 315.
- Packing, hose, belting. Small & Parks. No. 119,388; Nov. 13; v. 244; p. 561.
- Packing, hose, tubes, and tires. Polack Tyre & Rubber Co. No. 115,385; Feb. 6; v. 235; p. 320.
- Packing, Machinery. The Manhattan Rubber Mfg. Co. No. 116,777; May 22; v. 238; p. 1326.
- Packing, Machinery. Metric Packing Company. No. 117,182; June 19; v. 239; p. 936.
- Packings and gaskets composed of or containing rubber, Sheet and piston. La Favorite Rubber Manufacturing Co. No. 118,544; Sept. 18; v. 242; p. 745.
- Packings, Flax and braided fiber. G. C. Penboss. No. 119,762; Dec. 11; v. 245; p. 549.
- Pads, Score. Radbridge Company. No. 117,264; June 26; v. 239; p. 1206.
- Pails and cans and cans used in making artificial ice, Garbage. The Cincinnati Galvanizing Company. No. 116,596; May 15; v. 238; p. 975.
- Paint and varnish remover. C. McAdam. No. 114,787; Jan. 2; v. 234; p. 370.
- Paint, Asphalt. American Asphalt Paint Co. No. 114,918; Jan. 16; v. 234; p. 1039.
- Paint constituent, Orange mineral pigment used as a. Picher Lead Company. No. 114,820; Jan. 2; v. 234; p. 371.
- Paint, Disinfecting. Tmco Mfg. Co. No. 114,911; Jan. 9; v. 234; p. 668.
- Paint, Enamel. Carpenter-Morton Co. No. 116,822; May 29; v. 238; p. 1655.
- Paint for interior use, Oil. Patton Paint Company. No. 117,588; July 17; v. 240; p. 937.
- Paint from peeling off galvanized iron, Fluid for preventing. American Chemical Paint Company. No. 119,019; Oct. 23; v. 243; p. 1059.
- Paint, Oil. The Cussins & Fearn Co. No. 117,301; July 3; v. 240; p. 333.
- Paint-pigments, enamels, and ready-mixed paints. Durez Chemical Corporation. No. 118,636; Sept. 25; v. 242; p. 987.
- Paint, Ready-mixed. W. W. Lawrence Company. No. 115,353; Feb. 6; v. 235; p. 319.
- Paint, Ready-mixed. National Lead Company. No. 118,803; Oct. 2; v. 243; p. 237.
- Paint, Ready-mixed. Standard Oil Company. No. 116,697; May 15; v. 238; p. 979.
- Paint, Ready-mixed and paste. The Duquesne Paint Company. No. 118,009; Aug. 14; v. 241; p. 616.
- Paint, Ready-mixed white enamel. O'Brien Varnish Co. No. 119,202; Oct. 30; v. 243; p. 1306.
- Paint, roofing-paint, and tank-coating. Waterproof. The Texas Company. No. 119,586; Nov. 27; v. 244; p. 1084.
- Paint-thinning materials. The Peerless Thinner Company. No. 116,976; June 5; v. 239; p. 316.

- Paint, varnish, nail, hair, shaving, and clothes brushes. Rubber and Celluloid Harness Trimming Co. No. 117,472; July 10; v. 240; p. 637.
- Paint, Water-. A. H. Knight. No. 116,848; May 29; v. 238; p. 1636.
- Paints and coatings, Flat and enamel. Wadsworth, Howland & Co. No. 116,259; Apr. 17; v. 237; p. 915.
- Paints and enamels, varnishes, japans, Ready-mixed. W. W. Lawrence & Co. No. 115,974; Mar. 27; v. 236; p. 1217.
- Paints and enamels, White liquid. Patton Paint Company. No. 116,085; Apr. 3; v. 237; p. 306.
- Paints and paint-pigments. Paint Manufacturers Association of the U. S. No. 119,566; Nov. 27; v. 244; p. 1083.
- Paints and painters' material, Certain named. The Delscamp-Roemhildt Company. No. 118,631; Sept. 25; v. 242; p. 987.
- Paints and painters' materials, Certain named. Carpenter-Morton Company. No. 119,876; Dec. 18; v. 245; p. 839.
- Paints and painters' materials, Certain named. Certain-teed Products Corporation. No. 119,039; Oct. 23; v. 243; p. 1059.
- Paints and painters' materials, Certain named. Felton, Sibley & Co. No. 119,887; Dec. 18; v. 245; p. 840.
- Paints and painters' materials, Certain named. Goldman Costume Company. No. 118,405; Sept. 4; v. 242; p. 250.
- Paints and painters' materials, Certain named. Pe-La Chemical Co. No. 119,913; Dec. 18; v. 245; p. 840.
- Paints and painters' materials, Certain named. The A. Wilhelm Company. No. 116,730; May 15; v. 238; p. 980.
- Paints and painters' materials, Ingredient used in. Durex Chemical Corporation. No. 118,760; Oct. 2; v. 243; p. 236.
- Paints and painters' supplies, Certain named. Durkee-Atwood Co. No. 115,597; Feb. 27; v. 235; p. 1350.
- Paints and painters' supplies, Certain named. The Wilhelm Company. No. 116,811; May 22; v. 238; p. 1327.
- Paints and varnish, Enamel. Keystone Varnish Company. No. 118,049; Aug. 14; v. 241; p. 617.
- Paints and varnishes, Ready-mixed. Patek Brothers. No. 119,109; Oct. 23; v. 243; p. 1062.
- Paints, Dry. G. A. H. Muller. No. 114,810; Jan. 2; v. 234; p. 371.
- Paints, driers, enamels, stains, &c. The Patterson-Sargent Company. No. 115,656; Feb. 27; v. 235; p. 1351.
- Paints, driers, enamels, stains, &c. The Patterson-Sargent Company. No. 116,451; May 1; v. 238; p. 307.
- Paints, driers, enamels, stains, lacs, fillers, varnishes. The Patterson-Sargent Company. Nos. 116,855-6; May 29; v. 238; p. 1636.
- Paints, Enamel. Keystone Varnish Company. Nos. 115,625-6; Feb. 27; v. 235; p. 1350.
- Paints, especially shingle-paint. H. A. Gardner. No. 116,757; May 22; v. 238; p. 1325.
- Paints for the bottoms of vessels, Preservative. Tarr & Wonson. Nos. 119,136-7; Oct. 23; v. 243; p. 1062.
- Paints, Liquid. P. A. Seidel. No. 119,127; Oct. 23; v. 243; p. 1062.
- Paints, Mixed liquid. The Cussins & Fearn Co. No. 116,828; May 29; v. 238; p. 1635.
- Paints, paint-colors, Paste. F. M. Moran. No. 119,909; Dec. 18; v. 245; p. 840.
- Paints, Paste. The Charles H. Brown Paint Co. No. 116,399; May 1; v. 238; p. 305.
- Paints, Prepared. The Arco Company. No. 117,504; July 17; v. 240; p. 935.
- Paints, Ready-mixed. Hartman Furniture and Carpet Company. No. 118,035; Aug. 14; v. 241; p. 617.
- Paints, Ready-mixed. James Hermiston Manufacturing Company. No. 118,037; Aug. 14; v. 241; p. 617.
- Paints, Ready-mixed. The Lowe Brothers Company. No. 115,642; Feb. 27; v. 235; p. 1351.
- Paints, Ready-mixed. Morton & Maguire. No. 118,685; Sept. 25; v. 242; p. 889.
- Paints, Ready-mixed. G. A. H. Muller. No. 117,261; June 26; v. 239; p. 1205.
- Paints, Ready-mixed. Oakley Varnish Co. No. 116,079; Apr. 3; v. 237; p. 306.
- Paints, Ready-mixed. The Paraffine Paint Company. No. 116,854; May 29; v. 238; p. 1636.
- Paints, Ready-mixed and solid-block. Wailes Dove Bitumastic Limited. No. 114,867; Jan. 9; v. 234; p. 667.
- Paints, Roofing and preservative. Flintkote Manufacturing Company. No. 118,022; Aug. 14; v. 241; p. 616.
- Paints, varnish, and painters' oils, Dry and ready-mixed. California Paint Company. No. 119,503; Nov. 27; v. 244; p. 1081.
- Paints, varnishes, and fillers, Ready-mixed. The Arco Company. No. 117,503; July 17; v. 240; p. 935.
- Paints, varnishes, and paint-oils. R. Kelly. No. 118,043; Aug. 14; v. 241; p. 617.
- Paints, wood and varnish stains, &c., Paste and liquid. The A. Burdsal Co. No. 114,869; Jan. 9; v. 234; p. 667.
- Painters' materials. The Peerless Thinner Company. No. 118,082; Aug. 14; v. 241; p. 618.
- Palliative for cancer, eczema, gangrene or blood-poison, &c. D. W. Boyer. No. 115,060; Jan. 23; v. 234; p. 1307.
- Pamphlets and news or style letters. W. H. McElwain Company. No. 118,307; Aug. 28; v. 241; p. 1152.
- Pamphlets published from time to time at intervals. New York Evening Post Co. No. 119,356; Nov. 13; v. 244; p. 560.
- Pans, Baking-. Edward Katzinger Company. No. 118,787; Oct. 2; v. 243; p. 237.
- Paper and cards, Correspondence. T. W. Burgess. No. 117,291; July 3; v. 240; p. 333.
- Paper and envelopes, Bond-. Manhattan Card & Paper Company. No. 117,686; July 24; v. 240; p. 1162.
- Paper and envelopes, Bond, bank-note, writing, &c. Fox River Paper Company. No. 117,849; Aug. 7; v. 241; p. 294.
- Paper and envelopes, Writing-. Waters-Walch Mfg. Co. No. 117,958; Aug. 7; v. 241; p. 297.
- Paper and envelopes, Writing-. Charles E. Weyand & Co. No. 117,726; July 24; v. 240; p. 1164.
- Paper and envelopes, Writing-. Charles E. Weyand & Co. Nos. 118,604-7; Sept. 18; v. 242; p. 747.
- Paper and fiber boards, Machinery for handling and treating. M. D. Knowlton Company. No. 116,223; Apr. 17; v. 237; p. 913.
- Paper and paper towels, napkins, and doilies, Toilet, tissue, and waxed. Paper Mills Specialty Co. No. 116,234; Apr. 17; v. 237; p. 914.
- Paper and paper towels, Toilet-. Albany Perforated Wrapping Paper Company. Nos. 116,388-9; May 1; v. 238; p. 305.
- Paper and paper towels, Toilet-. Albany Perforated Wrapping Paper Company. Nos. 116,572-3; May 15; v. 238; p. 975.
- Paper and paper towels, Toilet-. Albany Perforated Wrapping Paper Company. Nos. 116,741-2; May 22; v. 238; p. 1325.
- Paper and paper towels, Toilet-. Albany Perforated Wrapping Paper Company. No. 117,398; July 3; v. 240; p. 336.
- Paper and paper towels, Toilet-. Albany Perforated Wrapping Paper Company. No. 117,804; Aug. 7; v. 241; p. 293.
- Paper and paper towels, Toilet-. Wortendyke Manufacturing Co. No. 114,915; Jan. 9; v. 234; p. 669.
- Paper and paper towels, Toilet-. Wortendyke Manufacturing Co. Nos. 116,489-91; May 1; v. 238; p. 308.
- Paper and paper towels, Toilet-. Wortendyke Manufacturing Co. Nos. 117,272-6; June 26; v. 239; p. 1206.
- Paper and stationery, Certain named. American Pad & Paper Company. No. 118,846; Oct. 9; v. 243; p. 519.
- Paper and stationery, Certain named. Geo. Borgfeldt & Co. No. 115,931; Mar. 27; v. 236; p. 1215.
- Paper and stationery, Certain named. George Borgfeldt & Co. No. 118,147; Aug. 21; v. 241; p. 905.
- Paper and stationery, Certain named. H. W. Carter Paper Company. No. 117,246; June 26; v. 239; p. 1205.
- Paper and stationery, Certain named. J. L. Garfield. No. 117,308; July 3; v. 240; p. 333.
- Paper and stationery, Certain named. Goldman Costume Company. No. 118,176; Aug. 21; v. 241; p. 906.
- Paper and stationery, Certain named. The Heinn Co. No. 118,185; Aug. 21; v. 241; p. 906.
- Paper and stationery, Certain named. Northern Paper Mills. No. 115,376; Feb. 6; v. 235; p. 320.
- Paper and stationery, Certain named. Samuel D. Page & Co. No. 119,466; Nov. 20; v. 244; p. 814.
- Paper and stationery, Certain named. Shea Smith & Co. No. 118,580; Sept. 18; v. 242; p. 746.
- Paper and stationery, Certain named. Stenography & Reporting Company. No. 115,117; Jan. 23; v. 234; p. 1309.
- Paper and stationery, Certain named. Wanderer-Werke vorm. Winkhofer & Jaenicke Aktiengesellschaft. No. 117,009; June 5; v. 239; p. 317.
- Paper and writing-papers, Bond and ledger. Neenah Paper Company. No. 119,559; Nov. 27; v. 244; p. 1083.
- Paper bags. Capital Paper Company. No. 115,486; Feb. 20; v. 235; p. 1049.
- Paper bags and boxes. Waltham Bag and Paper Company. No. 119,537; Dec. 11; v. 245; p. 551.
- Paper bags and receptacles. Waltham Bag & Paper Company. Nos. 119,147-8; Oct. 23; v. 243; p. 1063.
- Paper, Blotting-. The Albemarle Paper Mfg. Co. No. 119,934; Dec. 25; v. 245; p. 1021.
- Paper, Blue-print. New York Blue Print Paper Company. No. 119,106; Oct. 23; v. 243; p. 1061.
- Paper, Bond-. Chope-Stevens Paper Co. No. 115,300; Feb. 6; v. 235; p. 318.
- Paper, Bond and ledger. Neenah Paper Company. No. 115,008; Jan. 16; v. 234; p. 1041.
- Paper boxes. York-Bradford Co. No. 118,478; Sept. 11; v. 242; p. 513.
- Paper, cardboard, envelopes, &c., Book, blotting, tag, writing, &c. D. L. Ward Company. No. 120,001; Dec. 25; v. 245; p. 1023.
- Paper cartons, Shave-. B. Long. No. 114,785; Jan. 2; v. 234; p. 370.
- Paper, Cigarette-. Waldes & Co. Nos. 117,955-6; Aug. 7; v. 241; p. 297.
- Paper cleaner, Wall-. Acme Cleaner Manufacturing Company. No. 117,076; June 19; v. 239; p. 933.
- Paper, Coated lithographic. West Virginia Pulp & Paper Co. No. 116,487; May 1; v. 238; p. 308.

- Paper, Daily sugar-. Willett & Gray. No. 116,107; Apr. 3; v. 237; p. 307.
- Paper drinking-cups. H. Hill. No. 118,777; Oct. 2; v. 243; p. 236.
- Paper drinking-cups, lunch rolls or wrappers, egg-carriers. Paper Mills Specialty Co. No. 117,466; July 10; v. 240; p. 637.
- Paper, envelopes, tablets, &c., Writing and printing. Eaton, Crane & Pike Company. No. 114,954; Jan. 16; v. 234; p. 1040.
- Paper for building purposes and in packing-cases, Lining-. H. H. Hopkins Company. No. 115,087; Jan. 23; v. 234; p. 1308.
- Paper illustration mat, photo-mount, &c., boards. Hurlock Bros. Company. No. 118,530; Sept. 18; v. 242; p. 744.
- Paper in sheet form, Print-. The Mead Pulp and Paper Co. Nos. 118,552-3; Sept. 18; v. 242; p. 745.
- Paper issued monthly, Farm-. The Threshermen's Review Company. No. 116,100; Apr. 3; v. 237; p. 307.
- Paper, Ledger-. Neenah Paper Company. No. 118,213; Aug. 21; v. 241; p. 907.
- Paper napkins and toilet-tissue. All-Package Grocery Stores Co. No. 119,935; Dec. 25; v. 245; p. 1025.
- Paper, News-print. Pejepscot Paper Company. No. 118,429; Sept. 4; v. 242; p. 250.
- Paper, News-print. Pejepscot Paper Company. No. 118,809; Oct. 2; v. 243; p. 237.
- Paper or cardboard, Boxes of. F. Forristall. No. 116,837; May 29; v. 238; p. 1635.
- Paper, painters' paper stencils and patterns, Stencil-. J. T. Pope. No. 119,774; Dec. 11; v. 245; p. 549.
- Paper, paper toweling and napkins, Toilet-. The John Hoberg Co. No. 115,085; Jan. 23; v. 234; p. 1308.
- Paper, paper toweling and napkins, Toilet-. The John Hoberg Co. No. 117,324; July 3; v. 240; p. 334.
- Paper, Powder-. Waldeis & Co. No. 119,593; Nov. 27; v. 244; p. 1084.
- Paper, Printing and writing. American Papeterie Company. No. 117,630; July 24; v. 240; p. 1161.
- Paper, Printing and writing. H. Lindenmeyr & Sons. No. 116,958; June 5; v. 239; p. 315.
- Paper, Printing, writing, and wrapping. The Union Paper & Twine Company. No. 116,999; June 5; v. 239; p. 316.
- Paper receptacles, Tubular. W. L. Van Dame. No. 118,355; Aug. 28; v. 241; p. 1154.
- Paper sheeting for ornamental purposes. J. Schack. No. 119,123; Oct. 23; v. 243; p. 1062.
- Paper spoons. Sanispoon Co. No. 114,828; Jan. 2; v. 234; p. 371.
- Paper table-mats, Corrugated-. Kentucky Corrugated Paper Company. No. 116,065; Apr. 3; v. 237; p. 306.
- Paper, Toilet-. Albany Perforated Wrapping Paper Company. No. 117,288; June 26; v. 239; p. 1205.
- Paper, Toilet-. Albany Perforated Wrapping Paper Company. No. 117,278; July 3; v. 240; p. 333.
- Paper, Toilet-. Albany Perforated Wrapping Paper Company. No. 117,627; July 24; v. 240; p. 1161.
- Paper, Toilet-. Dixie Paper & Box Company. No. 118,758; Oct. 2; v. 243; p. 236.
- Paper, Toilet-. The John Hoberg Co. No. 115,512; Feb. 20; v. 235; p. 1050.
- Paper, Toilet-. The John Hoberg Co. No. 115,964; Mar. 27; v. 236; p. 1216.
- Paper, Toilet-. The John Hoberg Co. No. 116,217; Apr. 17; v. 237; p. 913.
- Paper, Toilet-. The John Hoberg Co. Nos. 117,662-3; July 24; v. 240; p. 1162.
- Paper, Toilet-. Sauquoit Toilet Paper Co. No. 115,028; Jan. 16; v. 234; p. 1042.
- Paper, Toilet-. Sauquoit Toilet Paper Co. No. 115,541; Feb. 20; v. 235; p. 1051.
- Paper, Toilet-. Sauquoit Toilet Paper Co. No. 117,711; July 24; v. 240; p. 1163.
- Paper, Toilet-. Sauquoit Toilet Paper Co. Nos. 118,704-5; Sept. 25; v. 242; pp. 989-90.
- Paper, Toilet-. Sauquoit Toilet Paper Co. No. 118,817; Oct. 2; v. 243; p. 237.
- Paper, Toilet-. S. S. Selig, Jr. No. 116,093; Apr. 3; v. 237; p. 307.
- Paper, Toilet-. Wortendyke Manufacturing Company. No. 115,567; Feb. 20; v. 235; p. 1052.
- Paper, Waterproofed. Tate Electrolytic Waterproofing Company. No. 116,703; May 15; v. 238; p. 979.
- Paper, Waxed wrappings-. Kuhmarker Manufacturing Company. No. 118,543; Sept. 18; v. 242; p. 745.
- Paper, Weekly sugar-. Willett & Gray. No. 116,108; Apr. 3; v. 237; p. 307.
- Paper-weights, Desk. B. W. Moser. No. 114,904; Jan. 9; v. 234; p. 668.
- Paper, Wrapping-. The Alling & Cory Co. No. 119,623; Dec. 11; v. 245; p. 545.
- Paper, Wrapping-. Cheboygan Paper Company. Nos. 119,042-3; Oct. 23; v. 243; p. 1060.
- Paper, Wrapping-. Crown Willamette Paper Company. Nos. 116,408-10; May 1; v. 238; p. 305.
- Paper, Wrapping-. Crown Willamette Paper Company. No. 119,948; Dec. 25; v. 245; p. 1021.
- Paper, Wrapping-. Nekoosa-Edwards Paper Company. No. 119,754; Dec. 11; v. 245; p. 549.
- Paper, Wrapping-. Saniwax Paper Co. No. 117,366; July 3; v. 240; p. 335.
- Paper, Wrapping-. Thoms Bros. Co. No. 117,795; July 31; v. 240; p. 1447.
- Paper, Wrapping and packing. La Salle Paper Co. No. 119,733; Dec. 11; v. 245; p. 543.
- Paper, Wrapping, writing, printing, and toilet. The Central-Topeka Paper Co. No. 115,489; Feb. 20; v. 235; p. 1049.
- Paper, Writing-. American Papeterie Company. No. 116,391; May 1; v. 238; p. 305.
- Paper, Writing-. American Papeterie Company. No. 118,483; Sept. 18; v. 242; p. 743.
- Paper, Writing-. American Papeterie Company. No. 119,936; Dec. 25; v. 245; p. 1021.
- Paper, Writing-. Gala Tea Co. No. 115,953; Mar. 27; v. 236; p. 1216.
- Paper, Writing-. Guardian Safety Paper Co. No. 119,957; Dec. 25; v. 245; p. 1021.
- Paper, Writing-. The A. N. Palmer Company. No. 118,692; Sept. 25; v. 242; p. 989.
- Paper, Writing and printing. American Writing Paper Co. No. 115,052; Jan. 23; v. 234; p. 1307.
- Paper, Writing and printing. C. Fernandez & Sons. No. 118,512; Sept. 18; v. 242; p. 744.
- Paper, Writing or letter. W. E. Blake. No. 115,286; Feb. 6; v. 235; p. 317.
- Papers and envelopes, Ledger, record, bond, book, and cover, &c. Taylor-Logan Co. Papermakers. No. 116,012; Mar. 27; v. 236; p. 1218.
- Papers, Bond and waxing. Munising Paper Company. No. 115,102; Jan. 23; v. 234; p. 1308.
- Papers, Book-. West Virginia Pulp & Paper Company. No. 116,187; Apr. 10; v. 237; p. 619.
- Papers, Certain named. Esleek Manufacturing Co. No. 119,519; Nov. 27; v. 244; p. 1082.
- Papers, Certain named. Taylor-Logan Co. Papermakers. No. 119,585; Nov. 27; v. 244; p. 1084.
- Papers, paper flower-pot covers, Water-crape and tissue-crape. Papyrus Artificial Paper Manufacturing Co. No. 115,105; Jan. 23; v. 234; p. 1308.
- Papers, Printing-. West Virginia Pulp & Paper Company. Nos. 119,847-8; Dec. 11; v. 245; p. 552.
- Papers, Printing and writing. National Papeterie Company. No. 116,675; May 15; v. 238; p. 978.
- Papers, Writing-. Whiting Paper Company. No. 116,488; May 1; v. 238; p. 308.
- Papers, Writing and printing. Beekman Paper and Card Company. No. 115,926; Mar. 27; v. 236; p. 1215.
- Papers, Writing and printing. Keith Paper Company. No. 115,970; Mar. 27; v. 236; p. 1216.
- Paprika. Austin, Nichols & Co. No. 114,678; Jan. 2; v. 234; p. 367.
- Paraffin-wax and stearin, Commodity composed of. West India Oil Company. No. 119,932; Dec. 18; v. 245; p. 841.
- Parasols. H. R. Mallinson & Co. No. 116,336; Apr. 24; v. 237; p. 1215.
- Paring-machine. J. H. Hamlin. No. 118,659; Sept. 25; v. 242; p. 988.
- Partitions, doors, metallic gratings for banks, &c., railings, stairs. Art Metal Construction Co. No. 117,091; June 19; v. 239; p. 933.
- Paste. Sanford Manufacturing Company. No. 119,235; Nov. 6; v. 244; p. 287.
- Paste and ready-mixed paints. Parker Preservative Products Co. No. 115,218; Jan. 30; v. 234; p. 1579.
- Paste for cakes, cookies, pie, candy, and ice-cream. California Bakers Specialty Co. No. 117,024; June 12; v. 239; p. 651.
- Paste for treatment of soft bleeding gums. Duane Laboratories. No. 115,742; Mar. 6; v. 236; p. 277.
- Paste, Root-canal. L. M. Darling. No. 119,052; Oct. 23; v. 243; p. 1060.
- Pastry, cakes, confections, ices, and ice-cream. J. H. Halloran. No. 116,196; Apr. 10; v. 237; p. 619.
- Pastry-shortening. Atlanta Refining & Manufacturing Company. No. 115,923; Mar. 27; v. 236; p. 1215.
- Patches and fabrics, Adhesive vulcanizing. W. E. Spencer. No. 117,214; June 19; v. 239; p. 937.
- Patches, Blow-out. The Beckley-Ralston Co. No. 117,634; Paving and paving materials, Bituminous. Willite Road Construction Company of America. No. 115,425; Feb. 6; v. 235; p. 322.
- July 24; v. 240; p. 1161.
- Paving, Wood-block. Pacific Creosoting Co. No. 116,678; May 15; v. 238; p. 978.
- Peanut-butter. Farrell & Co. No. 118,964; Oct. 16; v. 243; p. 789.
- Peanut-butter. Perkins brothers. No. 117,197; June 19; v. 239; p. 936.
- Peanut-butter and honey food compound. D. C. Gilham. No. 116,621; May 15; v. 238; p. 976.
- Peanuts. American Peanut Corporation. No. 117,401; July 10; v. 240; p. 635.
- Peanuts. The Bain Peanut Co. No. 116,272; Apr. 24; v. 237; p. 1213.
- Peanuts, Burnt. National Candy Company. No. 118,991; Oct. 16; v. 243; p. 790.
- Peanuts, peanut butter and oil, coffee, sugar, tea, Salted. The Brundage Bros. Co. No. 116,503; May 8; v. 238; p. 645.
- Peanuts, Shelled and unshelled. The Hale Company. Nos. 118,181-2; Aug. 21; v. 241; p. 906.

- Pearl necklaces and imitation pearls. Goldsmith, Stern & Co. No. 117,853; Aug. 7; v. 241; p. 294.
- Pearls. Abraham & Straus. No. 119,615; Dec. 11; v. 245; p. 545.
- Pearls, real and imitation, loose and mounted. J. J. Felsenfeld & Co. No. 117,655; July 24; v. 240; p. 1161.
- Pecan-nuts, Thin-shell. E. G. Hess. No. 118,971; Oct. 16; v. 243; p. 790.
- Pecans, walnuts, almonds, &c., Shelled. Ives Sales Service. No. 119,722; Dec. 11; v. 245; p. 548.
- Pen-racks. Cushman & Denison Mfg. Co. No. 116,411; May 1; v. 238; p. 305.
- Pens, Fountain-. The Evans Dollar Pen Company. No. 118,168; Aug. 21; v. 241; p. 906.
- Pens, Fountain-. C. Fernandez & Sons. No. 117,643; July 24; v. 240; p. 1161.
- Pens, Fountain-. Weidlich-Simpson Pen Company. No. 118,721; Sept. 25; v. 242; p. 990.
- Pens, Fountain and stylographic. E. Hugetz. No. 115,967; Mar. 27; v. 236; p. 1216.
- Pens of all kinds, Writing-. The Esterbrook Steel Pen Mfg. Co. No. 118,509; Sept. 18; v. 242; p. 744.
- Pencil-sharpeners. Automatic Pencil Sharpener Company. No. 119,166; Oct. 30; v. 243; p. 1305.
- Pencils, Lead-. American Lead Pencil Company. No. 117,282; July 3; v. 240; p. 333.
- Pencils, Lead-. Joseph Dixon Crucible Company. Nos. 119,675-7; Dec. 11; v. 245; pp. 546-7.
- Penstocks and steel tanks. The Petroleum Iron Works Company. No. 119,769; Dec. 11; v. 245; p. 549.
- Pepper sauce. Nortropic Cabarrus Co. No. 118,321; Aug. 28; v. 241; p. 1153.
- Peppermint. F. Vaal. No. 118,113; Aug. 14; v. 241; p. 619.
- Peptic coagulant. Parke Davis & Co. No. 116,082; Apr. 3; v. 237; p. 306.
- Percalines in the piece. Carson, Pirie, Scott & Co. No. 119,171; Oct. 30; v. 243; p. 1305.
- Perfume, toilet water, creams, and powders, bath-salts. Lundborg Company. No. 119,334; Nov. 13; v. 244; p. 559.
- Perfumes. W. Kropff. No. 119,902; Dec. 18; v. 245; p. 840.
- Perfumes. Frederick Stearns & Co. No. 116,927; June 5; v. 239; p. 314.
- Perfumes and deodorizers. E. A. F. Scott. No. 118,819; Oct. 2; v. 243; p. 238.
- Perfumes and toilet waters. Parfumerie Marceau Inc. No. 115,001; Jan. 16; v. 234; p. 1041.
- Perfumes, cold and massage creams, toilet water, face-powder. Salux Drug Company. No. 116,558; May 8; v. 238; p. 647.
- Perfumes, face and sachet powders, creams, toilet waters. Jaquet & Maxwell. No. 116,649; May 15; v. 238; p. 977.
- Perfumes, toilet powders and waters, sachets. Colgate & Co. No. 117,026; June 12; v. 239; p. 651.
- Perfumes, toilet water, face and talcum powder, Extract. Aubry Sisters. No. 119,632; Dec. 11; v. 245; p. 545.
- Perfumes, toilet waters and powders, cosmetics. Melba Manufacturing Co. No. 119,343; Nov. 13; v. 244; p. 560.
- Perfumes, toilet water, smelling-salts, &c. The C. L. Cotton Perfume & Extract Co. No. 115,309; Feb. 6; v. 235; p. 318.
- Perfumes, toilet waters, face creams and powders, talcum powders. Faxon & Gallagher Drug Co. No. 116,050; Apr. 3; v. 237; p. 305.
- Perfumes, toilet waters, rouge, creams, and powders. Maricatte et Cie. No. 116,912; June 5; v. 239; p. 314.
- Perfumery. McKesson & Robbins. No. 117,682; July 24; v. 240; p. 1162.
- Perfumery, talcum and sachet powders, sachets. McKesson & Robbins. No. 116,226; Apr. 17; v. 237; p. 914.
- Perfumery, toilet waters, face-powders, and pastes. The New York Shield Company. No. 116,077; Apr. 3; v. 237; p. 306.
- Periodical issued three times yearly. The Class Journal Company. No. 116,119; Apr. 10; v. 237; p. 617.
- Periodical, Monthly. Chalmers Publishing Company. No. 118,155; Aug. 21; v. 241; p. 905.
- Periodical, Monthly. Childs Company. No. 118,384; Sept. 4; v. 242; p. 249.
- Periodical, Monthly. The Edison Electric Illuminating Company of Boston. No. 118,961; Oct. 16; v. 243; p. 789.
- Periodical, Monthly. The National Petroleum Publishing Company. No. 116,968; June 5; v. 239; p. 316.
- Periodical, Monthly. Periodical Publishing Co. No. 118,995; Oct. 16; v. 243; p. 790.
- Periodical, Monthly. Periodical Publishing Co. No. 119,110; Oct. 23; v. 243; p. 1062.
- Periodical, Monthly. Periodical Publishing Co. No. 119,210; Oct. 30; v. 243; p. 1306.
- Periodical, Monthly. Women's Institute of Domestic Arts & Sciences. No. 119,417; Nov. 13; v. 244; p. 562.
- Periodical or journal published monthly. Franklin MacVeach & Company. No. 116,774; May 22; v. 238; p. 1326.
- Periodical published monthly. Edward Lyman Bill, Inc. No. 118,146; Aug. 21; v. 241; p. 905.
- Periodical published monthly. Periodical Publishing Co. Nos. 119,764-6; Dec. 11; v. 245; p. 549.
- Periodical published weekly. Trade. Domestic Sugar Producers. No. 118,166; Aug. 21; v. 241; p. 906.
- Periodical, Weekly. J. Rosenbaum Grain Company. No. 116,241; Apr. 17; v. 237; p. 914.
- Periodicals issued monthly. J. F. Murray. No. 116,345; Apr. 24; v. 237; p. 1215.
- Periodicals issued weekly. National Industrial Conference Board. No. 119,351; Nov. 13; v. 244; p. 560.
- Periodicals, Monthly. The Bruce Publishing Company. No. 114,935; Jan. 16; v. 234; p. 1039.
- Periodicals, Monthly. The Holt Manufacturing Company. No. 115,514; Feb. 20; v. 235; p. 1050.
- Periodicals, Monthly. McKesson & Robbins. No. 116,960; June 5; v. 239; p. 315.
- Periodicals, Monthly. H. S. Reavis. No. 115,804; Mar. 6; v. 236; p. 279.
- Periodicals, Monthly. H. S. Reavis. No. 116,089; Apr. 3; v. 237; p. 307.
- Periodicals, Monthly furniture house organ. The General Fireproofing Company. No. 118,515; Sept. 18; v. 242; p. 744.
- Periodicals, Monthly house-organ. The General Fireproofing Company. No. 115,505; Feb. 20; v. 235; p. 1050.
- Periodicals published monthly. Porcupine Publishing Company. No. 118,572; Sept. 18; v. 242; p. 746.
- Periodicals, Weekly and monthly religious. Pacific Press Publishing Association. No. 117,354; July 3; v. 240; p. 335.
- Peroxid. John Bene & Sons. No. 118,145; Aug. 21; v. 241; p. 905.
- Peroxid of hydrogen. Chone Peroxide Company. No. 119,262; Nov. 13; v. 244; p. 567.
- Petroleum, Crude. Warren Oil Company. No. 115,870; Mar. 13; v. 236; p. 592.
- Petroleum products. Tide Water Oil Company. No. 117,381; July 3; v. 240; p. 336.
- Petroleum, Refined. Tide Water Oil Co. No. 115,822; Mar. 6; v. 236; p. 280.
- Petroleum, Refined. Tide Water Oil Co. No. 118,108; Aug. 14; v. 241; p. 619.
- Petroleum to be used as a remedy or emollient, Refined. Central Commercial Company. No. 114,870; Jan. 9; v. 234; p. 667.
- Petticoats. The Lewis-Leopold Skirt Co. No. 119,330; Nov. 13; v. 244; p. 559.
- Petticoats, Manhattan Petticoat Co. No. 115,645; Feb. 27; v. 235; p. 1351.
- Petticoats. Meyer Mayers Inc. No. 117,896; Aug. 7; v. 241; p. 295.
- Petticoats. The National Garment Company. No. 115,654; Feb. 27; v. 235; p. 1351.
- Petticoats, union-suits, corset-covers, &c. E. B. Amsden. No. 114,855; Jan. 9; v. 234; p. 667.
- Pharmaceutical preparation. Griffith Chemical Company. No. 115,757; Mar. 6; v. 236; p. 278.
- Pharmaceutical preparations and veterinary and poultry remedies, Certain. Cinnakol Chemical Sales Co. No. 117,997; Aug. 14; v. 241; p. 616.
- Pharmaceutical preparations, Certain named. G. Borgfeldt & Co. Nos. 116,816-18; May 29; v. 238; p. 1635.
- Pharmaceutical preparations, Certain named. Davis & Geck. No. 116,042; Apr. 3; v. 237; p. 305.
- Pharmaceutical preparations, Certain named. K. Érdeky. No. 118,508; Sept. 18; v. 242; p. 744.
- Pharmaceutical preparations, Certain named. C. A. Hawkins. No. 118,776; Oct. 2; v. 243; p. 236.
- Pharmaceutical preparations, Certain named. Lazell Perfumer. No. 119,090; Oct. 23; v. 243; p. 1061.
- Pharmaceutical preparations, Certain named. J. H. McCormick. No. 115,980; Mar. 27; v. 236; p. 1217.
- Pharmaceutical preparations, Certain named. Puritan Pharmaceutical Co. No. 119,568; Nov. 27; v. 244; p. 1083.
- Pharmaceutical preparations, Certain named. The Remiller Co. No. 119,571; Nov. 27; v. 244; p. 1083.
- Pharmaceutical preparations, Certain named. The Scholl Manufacturing Company. No. 115,866; Mar. 13; v. 236; p. 592.
- Pharmaceutical preparations, Certain named. United Drug Company. No. 119,407; Nov. 13; v. 244; p. 562.
- Pharmaceutical preparations, Certain named. The S. S. White Manufacturing Company. No. 116,870; May 29; v. 238; p. 1637.
- Pharmaceutical preparation for external use. E. D. McCrary. No. 119,335; Nov. 13; v. 244; p. 559.
- Pharmaceutical preparations for external use, Certain named. A. D. H. Kelsey. No. 119,900; Dec. 18; v. 245; p. 840.
- Pharmaceutical preparations for toilet purposes. The Bonney Company. No. 114,689; Jan. 2; v. 234; p. 367.
- Pharmaceutical preparations for toilet purposes, Certain. L. D. Gordon. No. 117,316; July 3; v. 240; p. 334.
- Pharmaceutical preparations for toilet purposes, Certain. R. Hudnut. No. 114,764; Jan. 2; v. 234; p. 370.
- Pharmaceutical preparations for toilet purposes, Certain named. Hikel Mfg. Co. No. 115,615; Feb. 27; v. 235; p. 1350.
- Pharmaceutical preparations for toilet purposes, Certain named. Richard Hudnut. No. 115,450; Feb. 13; v. 235; p. 691.

Alphabetical list of trade-marks—Continued.

- Pharmaceutical preparations for toilet purposes, Certain named. D. Lowenstein. No. 116,907; June 5; v. 239; p. 314.
- Pharmaceutical preparations for toilet purposes, Certain named. H. E. Zutz. No. 119,855; Dec. 11; v. 245; p. 552.
- Pharmaceutical preparations for toilet use, Certain named. George Borgfeldt & Co. No. 115,482; Feb. 20; v. 235; p. 1049.
- Pharmaceutical product. Society of Chemical Industry in Basle. No. 118,583; Sept. 18; v. 242; p. 746.
- Pharmaceutical product, Certain named. Society of Chemical Industry in Basle. No. 115,546; Feb. 20; v. 235; p. 1051.
- Pharmaceutical product containing all the alkaloids of opium. Society of Chemical Industry in Basle. No. 118,582; Sept. 18; v. 242; p. 746.
- Phonograph. The Compton-Price Company. No. 114,872; Jan. 9; v. 234; p. 667.
- Phonograph-cabinets. The Classique-Phonograph Corporation. No. 118,859; Oct. 9; v. 243; p. 519.
- Phonograph records or disks. Bell Talking Machine Corporation. No. 119,424; Nov. 20; v. 244; p. 813.
- Phonographs. Fritsch Phonograph Co. No. 119,435; Nov. 20; v. 244; p. 813.
- Phonographs. The Fritsch Phonograph Co. No. 119,690; Dec. 11; v. 245; p. 547.
- Phonographs. James Manoll Company. No. 115,528; Feb. 20; v. 235; p. 1050.
- Phonographs. Noyes Bros. & Cutler. No. 118,323; Aug. 28; v. 241; p. 1153.
- Phonographs. S. J. Travis. No. 116,711; May 15; v. 238; p. 979.
- Phonographs and like articles, Attachments for. Compressed Metal Company. No. 115,492; Feb. 20; v. 235; p. 1049.
- Phonographs and parts, mechanical phonograph-motors. L. Markels. No. 117,688; July 24; v. 240; p. 1163.
- Phonographs and parts thereof. Vicsonia Mfg. Co. No. 117,723; July 24; v. 240; p. 1164.
- Phonographs and phonograph-records. F. A. Dennett. No. 117,028; June 12; v. 239; p. 651.
- Phonographs and phonograph-records. The A. Strassburger Co. No. 117,484; July 10; v. 240; p. 637.
- Phonographs and phonograph-records. United Phonographs Corporation. No. 116,717; May 15; v. 238; p. 979.
- Phonographs and phonograph parts. P. J. McCoy & Company. No. 117,890; Aug. 7; v. 241; p. 295.
- Phonographs and talking-machines and records therefor. P. Reinherz. No. 116,157; Apr. 10; v. 237; p. 618.
- Phonographs, talking-machines. Melodograph Corporation. No. 119,609; Dec. 4; v. 245; p. 275.
- Phonographs, talking-machines, records. A. Silwiersky. No. 119,579; Nov. 27; v. 244; p. 1084.
- Phosphate, Pebble. Coronet Phosphate Company. No. 116,602; May 15; v. 238; p. 976.
- Phosphoric paste and phosphates. Innis, Speiden & Co. No. 119,539; Nov. 27; v. 244; p. 1082.
- Phosphorus compounds, Organic. The Grain Chemical Co. No. 114,969; Jan. 16; v. 234; p. 1040.
- Phosphorus compounds, Organic. The Grain Chemical Company. No. 116,520; May 8; v. 238; p. 645.
- Photo materials—viz., flash machines and pans, &c. The Shoberg Company. No. 117,371; July 3; v. 240; p. 335.
- Photographic developer. Eastman Kodak Co. No. 119,282; Nov. 13; v. 244; p. 558.
- Photographic developers. Berlin Aniline Works. No. 119,495; Nov. 27; v. 244; p. 1081.
- Photographic developers. Eastman Kodak Co. No. 115,743; Mar. 6; v. 236; p. 277.
- Photographic developers. Struss-Anderson Laboratories. Nos. 116,562-3; May 8; v. 238; p. 647.
- Photographic developers. United Dyestuff and Photochemical Co. No. 115,559; Feb. 20; v. 235; p. 1051.
- Photographic dry plates and films and prepared paper for photographic purposes. Ilford Limited. Nos. 116,138-9; Apr. 10; v. 237; p. 618.
- Photographic film. Eastman Kodak Co. Nos. 116,125-9; Apr. 10; v. 237; p. 617.
- Photographic film. Eastman Kodak Company. No. 119,836; Dec. 18; v. 245; p. 840.
- Photographic films, including motion-picture films. Peter Pan Film Corporation. No. 118,693; Sept. 25; v. 242; p. 989.
- Photographic negative and paper developing compound. Burke & James. No. 116,202; Apr. 17; v. 237; p. 913.
- Photographic paper. Eastman Kodak Co. Nos. 116,613-14; May 15; v. 238; p. 976.
- Photographic paper. Eastman Kodak Co. Nos. 118,638-9; Sept. 25; v. 242; p. 987.
- Photographic paper and photographic backing-paper, Sensitized. Eastman Kodak Company. No. 119,514; Nov. 27; v. 244; p. 1082.
- Photographic plates. Eastman Kodak Co. No. 116,612; May 15; v. 238; p. 976.
- Photographic plates. Eastman Kodak Co. No. 116,615; May 15; v. 238; p. 976.
- Photographic plates. Eastman Kodak Co. No. 118,637; Sept. 25; v. 242; p. 987.
- Photographic toning chemicals and solutions, mat-surfacing preparation, and negative-varnish. Eastman Kodak Co. No. 119,515; Nov. 27; v. 244; p. 1082.
- Photographic toning solution, hardener, &c. Eastman Kodak Company. No. 119,681; Dec. 11; v. 245; p. 547.
- Photographs and photographic enlargements. J. J. Weaver. No. 118,600; Sept. 18; v. 242; p. 746.
- Piano and furniture and automobile-body polishes. Kemo-sayne Manufacturing Company. No. 115,517; Feb. 20; v. 235; p. 1050.
- Piano and piano-player regulating devices, Player-. J. & C. Fischer. No. 116,051; Apr. 3; v. 237; p. 305.
- Piano, furniture, floor, automobile, &c., polish. C. F. Stein. No. 116,699; May 15; v. 238; p. 979.
- Piano-players. People's Outfitting Company. No. 119,468; Nov. 20; v. 244; p. 814.
- Pianos. American Piano Company. No. 115,051; Jan. 23; v. 234; p. 1307.
- Pianos. C. E. Byrne Piano Co. No. 117,105; June 19; v. 239; p. 934.
- Pianos. Continental Piano Company. No. 117,648; July 24; v. 240; p. 1161.
- Pianos. Jesse French and Sons Piano Company. Nos. 116,052-3; Apr. 3; v. 237; pp. 305-6.
- Pianos. Kranich & Bach. No. 118,790; Oct. 2; v. 243; p. 237.
- Pianos. Lyon & Healy. No. 119,459; Nov. 20; v. 244; p. 814.
- Pianos. H. W. Perlman. No. 117,914; Aug. 7; v. 241; p. 296.
- Pianos. Sohmer & Co. No. 119,130; Oct. 23; v. 243; p. 1062.
- Pianos and organs. The Charles William Stores, Inc. No. 119,003; Oct. 16; v. 243; p. 791.
- Pianos, Grand, upright, player, and electric player. William Tonk & Bro. No. 115,692; Feb. 27; v. 235; p. 1352.
- Pianos. Player-actions for. Otto Higel Company. No. 117,255; June 26; v. 239; p. 1205.
- Pianos, player-pianos, and talking-machines. Cable-Nelson Piano Co. No. 119,943; Dec. 25; v. 245; p. 1021.
- Pianos. Pneumatic player-. The Cunningham Piano Company. No. 117,527; July 17; v. 240; p. 935.
- Pickles. J. J. Wilson. Nos. 118,364-5; Aug. 28; v. 241; p. 1154.
- Pickles, catsup, cakes, candies, and ice-cream. Fox and Fox. No. 118,025; Aug. 14; v. 241; p. 616.
- Picture films and stereopticon-slides, Motion-. Screen Advertising. Nos. 119,124-5; Oct. 23; v. 243; p. 1062.
- Picture films, Motion-. The British Film Stock Company. No. 116,035; Apr. 3; v. 237; p. 305.
- Picture films, Motion-. General Film Company. No. 119,890; Dec. 18; v. 245; p. 840.
- Picture films, Motion-. The Keeley-Handy Syndicate. No. 118,042; Aug. 14; v. 241; p. 617.
- Picture films, Motion-. A. Lorimore. No. 115,362; Feb. 6; v. 235; p. 320.
- Picture films, Motion-. E. Reinhold. No. 116,002; Mar. 27; v. 236; p. 1217.
- Picture films, Motion-. Rothacker Film Mfg. Co. No. 117,361; July 3; v. 240; p. 335.
- Picture films, Motion-. Thomas A. Edison, Incorporated. Nos. 118,011-12; Aug. 14; v. 241; p. 616.
- Picture films, Motion-. Triangle Film Corporation. No. 116,253; Apr. 17; v. 237; p. 914.
- Picture films, Motion-. United States Motion Picture Corporation. No. 116,478; May 1; v. 238; p. 307.
- Picture films, Moving-. Acorn Movie Cartoon Company. No. 115,136; Jan. 30; v. 234; p. 1577.
- Picture-films, Moving-. Artaft Pictures Corporation. No. 117,974; Aug. 14; v. 241; p. 615.
- Picture films, Moving-. Boy Scouts of America. No. 114,692; Jan. 2; v. 234; p. 367.
- Picture films, Moving-. G. L. Derr. Nos. 116,414-16; May 1; v. 238; pp. 305-6.
- Picture films, Moving-. Essanay Film Manufacturing Company. No. 116,831; May 29; v. 238; p. 1635.
- Picture films, Moving-. Famous Players Film Company. No. 118,017; Aug. 14; v. 241; p. 616.
- Picture films, Moving-. Klever Pictures. No. 116,143; Apr. 10; v. 237; p. 618.
- Picture films, Moving-. J. Stern. No. 118,346; Aug. 28; v. 241; p. 1153.
- Picture-films, Moving-. Vernam Pictures Co. No. 118,116; Aug. 14; v. 241; p. 619.
- Picture films, Moving-. Ziegfeld Cinema Corporation. No. 116,494; May 1; v. 238; p. 308.
- Picture films of animated cartoons issued serially, Motion-. P. H. Terry. No. 115,250; Jan. 30; v. 234; p. 1580.
- Picture-films, Positive and negative. Artfilm Studios. No. 116,270; Apr. 24; v. 237; p. 1213.
- Picture films showing animated cartoons, Moving-. E. Hurd. No. 119,536; Nov. 27; v. 244; p. 1082.
- Picture-frame moldings, picture-frames, and parts of frames. The H. Lieber Company. No. 114,994; Jan. 16; v. 234; p. 1041.
- Picture-frames. L. Lillienstern. No. 118,304; Aug. 28; v. 241; p. 1152.
- Picture or cinematograph supplies, Certain named moving-. Inter-Ocean Film Corporation. No. 117,331; July 3; v. 240; p. 334.
- Picture photoplays, Series of different motion-. J. Stern. No. 119,581; Nov. 27; v. 244; p. 1084.
- Picture-projecting apparatus and parts thereof, screens, &c., Motion-. G. W. Newgass. No. 115,212; Jan. 30; v. 234; p. 1579.

- Piece goods of cotton warp with worsted, &c., filling and dress fabrics of cotton, silk, &c. Lesher, Whitman & Co. No. 115,975; Mar. 27; v. 236; p. 1217.
- Piece goods with cotton warp and filling of wool, mohair, or alpaca. Lesher, Whitman & Co. No. 115,638; Feb. 27; v. 235; p. 1351.
- Pigments. Titanium Pigment Company. No. 117,382; July 3; v. 240; p. 336.
- Pigments for use in the rubber and linoleum industries. Orrs Zinc White Limited. No. 115,379; Feb. 6; v. 235; p. 320.
- Pillow-cases, dresser-scarfs, doilies, sheets. J. W. Eshelman & Co. No. 118,014; Aug. 14; v. 241; p. 616.
- Pillow-cases, Embroidered. S. Fix. No. 118,871; Oct. 9; v. 243; p. 520.
- Pillow-tubing, sheeting, and cotton piece goods. The Continental Mills. No. 116,601; May 15; v. 238; p. 976.
- Pillows, Feather. Star Bedding Co. No. 114,841; Jan. 2; v. 234; p. 372.
- Pillows, Pneumatic. United States Rubber Company. No. 118,928; Oct. 9; v. 243; p. 521.
- Pills. Antimalarial. Pildoras Nacionales Corporation. No. 119,112; Oct. 23; v. 243; p. 1062.
- Pills, Cathartic. Oporugo Co. No. 114,816; Jan. 2; v. 234; p. 371.
- Pills, Laxative. R. C. White. No. 119,849; Dec. 11; v. 245; p. 552.
- Pills, Liver. E. H. Hechler. No. 119,896; Dec. 18; v. 245; p. 840.
- Pills or tablets for the treatment of piles. Henry Thayer & Company. No. 118,590; Sept. 18; v. 242; p. 746.
- Pins, hooks, eyes, shoe and corset laces, &c. Toilet and safety. Samstag & Hilder Bros. No. 116,982; June 5; v. 239; p. 316.
- Pins, Safety-. Waldes & Company. No. 115,126; Jan. 23; v. 234; p. 1309.
- Pipe cleaning and thawing compound, Chemical. The Chamberlain Company. No. 116,038; Apr. 3; v. 237; p. 305.
- Pipe-cleaning substance. W. B. McVicker Company. No. 116,072; Apr. 3; v. 237; p. 306.
- Pipe-fittings. Malleable Iron Fittings Co. No. 119,903; Dec. 18; v. 245; p. 840.
- Pipes and mouthpieces, Smoking-. Reiss Brothers & Company. No. 115,898; Mar. 20; v. 236; p. 885.
- Pipes, cigar and cigarette holders. Kaufmann Bros. & Bondy. No. 115,347; Feb. 6; v. 235; p. 319.
- Pipes, cigar and cigarette holders, Smokers'. W. P. Dunham. No. 119,679; Dec. 11; v. 245; p. 547.
- Pipes, cigar and cigarette holders, tobacco-pouches, &c. Kaufmann Bros. & Bondy. No. 118,883; Oct. 9; v. 243; p. 520.
- Pipes, Hard-rubber acid-conducting. India Rubber Company. No. 116,767; May 22; v. 238; p. 1326.
- Pipes, Smokers'. W. P. Dunham. No. 118,868; Oct. 9; v. 243; p. 519.
- Pipes, Smoking-. The Breechloader Pipe Co. No. 116,034; Apr. 3; v. 237; p. 305.
- Pipes, Smoking-. Mocha Pipe Company. No. 116,780; May 22; v. 238; p. 1326.
- Pistols or guns for throwing shells and such shells. S. C. Davidson. Nos. 117,839-40; Aug. 7; v. 241; p. 294.
- Piston-rings. Automobile Accessories Co. No. 118,486; Sept. 18; v. 242; p. 743.
- Piston-rings. Continental Piston Ring Co. No. 114,719; Jan. 2; v. 234; p. 368.
- Piston-rings. Hope Machine Company. No. 117,866; Aug. 7; v. 241; p. 295.
- Piston-rings. Machine Products Co. No. 119,743; Dec. 11; v. 245; p. 549.
- Piston-rings. Micro Piston Ring Co. No. 115,985; Mar. 27; v. 236; p. 1217.
- Piston-rings. Pressure Proof Piston Ring Co. No. 117,919; Aug. 7; v. 241; p. 296.
- Piston-rings. Stevens Piston Ring Company. No. 117,943; Aug. 7; v. 241; p. 297.
- Plants, flowers, &c. Food and tonic for. G. A. Lippen-cott. No. 115,360; Feb. 6; v. 235; p. 320.
- Plaster. Blister. Wilford Hall Laboratories. No. 119,531; Nov. 27; v. 244; p. 1082.
- Plaster, Cement. Windsor Material Company. No. 119,155; Oct. 23; v. 243; p. 1063.
- Plaster, wall and composition boards. Schumacher Wall Board Company. No. 117,612; July 17; v. 240; p. 938.
- Plasters, Adhesive. Goldman Costume Co. No. 117,135; June 19; v. 239; p. 934.
- Plasters, beauty-spots, fumigators, and deodorizers. Medicated, court, &c. Bauer & Black. No. 118,742; Oct. 2; v. 243; p. 235.
- Plasters, callus remedy, soft-corn remedy, &c., Corn and bunion. Foot Remedy Company. No. 119,689; Dec. 11; v. 245; p. 547.
- Plasters, Corn-. Scholl Manufacturing Company. No. 117,206; June 19; v. 239; p. 936.
- Plastic molding material for making statuary, ornamental plastic panels, monuments, &c. Bernardini Statuary Co. No. 118,744; Oct. 2; v. 243; p. 235.
- Plates, Etched and engraved. The Colorplate Engraving Company. No. 116,290; Apr. 24; v. 237; p. 1213.
- Plows. Sears, Roebuck and Co. No. 115,671; Feb. 27; v. 235; p. 1352.
- Plows, cultivators, disk harrows, and listers. Grand De-tour Plow Company. No. 117,548; July 17; v. 240; p. 936.
- Plug receptacles, Attachment-. The Bryant Electric Com-pany. No. 115,836; Mar. 13; v. 236; p. 591.
- Plush in the piece. Pile-fabric seal. Sidney Blumenthal & Co. No. 117,986; Aug. 14; v. 241; p. 615.
- Plushes in the piece. Sidney Blumenthal & Company. No. 114,868; Jan. 9; v. 234; p. 667.
- Polish for cleaning and polishing painted, varnished, and auto-body enameled surfaces, Rapid-Shine Products Co. No. 118,696; Sept. 25; v. 242; p. 989.
- Polish for cleaning, polishing, and renewing furniture, &c. H. Krueger. No. 119,549; Nov. 27; v. 244; p. 1083.
- Polish for furniture, automobile-bodies, pianos, &c. J. E. Perrault. No. 115,382; Feb. 6; v. 235; p. 320.
- Polish for furniture, pianos, &c., Liquid. The Columbia Polish Co. No. 119,511; Nov. 27; v. 244; p. 1082.
- Polish for retaining and enhancing varnished or enameled surfaces. R. B. Goff. No. 119,071; Oct. 23; v. 243; p. 1060.
- Polish for varnished, enameled, lacquered, and painted surfaces. The Lancaster Polish & Paste Co. No. 119,550; Nov. 27; v. 244; p. 1083.
- Polishes for woodwork, floors, furniture, &c. H. M. Hallett & Co. No. 118,658; Sept. 25; v. 242; p. 988.
- Polishing-cloth for gold and silver. F. A. Le Count. No. 116,145; Apr. 10; v. 236; p. 618.
- Polishing-cloths. Crew Levick Company. No. 115,357; Feb. 6; v. 235; p. 319.
- Polishing compound for woodwork, floors, automobiles, &c. Eaton's Uzon Company. No. 119,516; Nov. 27; v. 244; p. 1082.
- Polishing preparation for auto-bodies, pianos, &c. Hiscox & Co. No. 115,339; Feb. 6; v. 235; p. 319.
- Pomade preparation for the hair. F. E. Williams. No. 119,415; Nov. 13; v. 244; p. 562.
- Pompons. M. Herman. No. 115,449; Feb. 13; v. 235; p. 691.
- Porcelain, china, or earthenware articles. W. H. Goss, a firm. No. 118,407; Sept. 4; v. 242; p. 250.
- Pork. Morris & Company. No. 116,542; May 8; v. 238; p. 646.
- Pork and beans and canned beans. W. H. Dyer Company, Evansville, Ind. No. 119,680; Dec. 11; v. 245; p. 547.
- Post-cards, folders, booklets, &c., Lithographed. Stecher Lithographic Co. No. 119,002; Oct. 16; v. 243; p. 791.
- Potatoes, Sweet. H. Peres. No. 118,326; Aug. 28; v. 241; p. 1153.
- Poultry and cheese. Fairmont Creamery Company. No. 119,432; Nov. 20; v. 244; p. 813.
- Poultry and eggs. F. M. Brown. No. 117,412; July 10; v. 240; p. 635.
- Poultry appliances, Certain named. O. B. Andrews' Com-pany. No. 115,139; Jan. 30; v. 234; p. 1577.
- Poultry, Dressed. Grant Brothers Co. No. 116,311; Apr. 24; v. 237; p. 1214.
- Poultry, Dressed. H. G. Peterson. No. 117,198; June 19; v. 239; p. 936.
- Poultry-feeders. C. D. Karr. No. 118,537; Sept. 18; v. 242; p. 744.
- Poultry, particularly a strain of Rhode Island Reds, Live. C. C. Whiteley. No. 116,188; Apr. 10; v. 237; p. 619.
- Powder and cream, Face and liquid face. H. Korn. No. 116,770; May 22; v. 238; p. 1326.
- Powder and cream, Tooth. A. Bérubé. No. 116,580; May 15; v. 238; p. 975.
- Powder and paste, Tooth. J. C. Devlin. No. 116,043; Apr. 3; v. 237; p. 305.
- Powder and rouge, Face. A. Bourjois & Co. Nos. 115,434-5; Feb. 13; v. 235; p. 691.
- Powder and rouge, Face. A. Bourjois & Co. No. 119,498; Nov. 27; v. 244; p. 1081.
- Powder and rouge or solid face-powder, Toilet. A. Bourjois & Co. No. 115,287; Feb. 6; v. 235; p. 317.
- Powder, Bath-. Farquhar-Moon Manufacturing Company, No. 119,684; Dec. 11; v. 245; p. 547.
- Powder, cold-cream, hair-wash, &c., Face. The Armand Company. No. 115,053; Jan. 23; v. 234; p. 1307.
- Powder, cold-cream, hair-wash, rouge, &c., Face-. The Armand Company. No. 115,274; Feb. 6; v. 235; p. 317.
- Powder, Complexion-. J. Lincoln. No. 115,359; Feb. 6; v. 235; p. 320.
- Powder, Deodorant toilet. The Fitch Chemical Corpora-tion. No. 119,686; Dec. 11; v. 245; p. 547.
- Powder, Face. George Borgfeldt & Co. No. 117,817; Aug. 7; v. 241; p. 293.
- Powder, Face-. A. Bourjois & Co. No. 119,499; Nov. 27; v. 244; p. 1081.
- Powder, Face-. A. Bourjois & Co. No. 119,874; Dec. 18; v. 245; p. 839.
- Powder, Face-. C. Isenberg. No. 117,869; Aug. 7; v. 241; p. 295.
- Powder for cleaning eyeglasses, goggles, &c. C. H. Kehl & Co. No. 116,142; Apr. 10; v. 237; p. 618.
- Powder for dandruff. B. Lemohn. No. 115,356; Feb. 6; v. 235; p. 320.
- Powder for treatment of exudations of the skin, Anti-septic. J. L. McKenna. No. 116,070; Apr. 3; v. 237; p. 306.
- Powder-paper. Waldes & Co. Nos. 115,824-5; Mar. 6; v. 236; p. 280.
- Powder, rouge and powder compacts, creams, toilet water, perfume, Face-. Philip Munter Co. No. 117,348; July 3; v. 240; p. 935.
- Powder. Talcum. Fuller-Morrison Company. Nos. 118,026-7; Aug. 14; v. 241; p. 616.

Alphabetical list of trade-marks—Continued.

- Powder, Talcum. A. S. Hinds. No. 116,901; June 5; v. 239; p. 314.
- Powder, Talcum. A. Plough. No. 115,463; Feb. 13; v. 235; p. 692.
- Powder, Talcum. The Rydale Remedy Company. No. 119,121; Oct. 23; v. 243; p. 1062.
- Powder, Toilet. George Borgfeldt & Co. No. 119,645; Dec. 11; v. 245; p. 546.
- Powder, Toilet. A. Bourjois & Co. No. 116,283; Apr. 24; v. 237; p. 1213.
- Powder, Toilet. A. Bourjois & Co. No. 117,289; July 3; v. 240; p. 333.
- Powder, Toilet. A. Bourjois & Co. Inc. No. 119,872; Dec. 18; v. 245; p. 839.
- Powder, toilet waters, perfumes, and pomades, &c. Face-A. Bourjois & Co. No. 119,497; Nov. 27; v. 244; p. 1081.
- Powder, toilet waters, rouge, lip-sticks, &c. Face-A. Bourjois & Co. No. 119,647; Dec. 11; v. 245; p. 546.
- Powder, Tooth-. G. E. Theodoropoulos. No. 118,591; Sept. 18; v. 242; p. 746.
- Powder, Tooth-. University Chemical Co. No. 116,479; May 1; v. 238; p. 307.
- Powders, Face-. Estate Henry C. Miner. No. 118,426; Sept. 4; v. 242; p. 250.
- Powders for application to wounds, Healing-. Cunardi Pharmacal Company. No. 117,800; July 3; v. 240; p. 333.
- Powders for treating certain named affections. A.-F. Marks. No. 117,047; June 12; v. 239; p. 652.
- Powders, perfume, cold-cream, toilet water, Talcum, sachet, and face. James S. Kirk & Company. No. 117,043; June 12; v. 239; p. 651.
- Powders, perfumes, Talcum, sachet, and face. Smith, Kline & French Company. No. 117,938; Aug. 7; v. 241; p. 297.
- Powders, Rice, face, and talcum. Rice Cereal & Milling Co. No. 118,091; Aug. 14; v. 241; p. 618.
- Precious materials, Certain named articles made of. Elgin American Manufacturing Co. No. 116,616; May 15; v. 238; p. 976.
- Precious-metal alloy. The Electro Metal Products Co. No. 116,208; Apr. 17; v. 237; p. 913.
- Precious metal, Articles made of or plated with. Talbot Manufacturing Co. No. 119,135; Oct. 23; v. 243; p. 1062.
- Precious metal, Certain articles made of or plated with. Wachenheimer Bros. No. 119,010; Oct. 16; v. 243; p. 791.
- Precious metal, Certain named articles having parts plated with. Landers, Frary & Clark. No. 114,892; Jan. 9; v. 234; p. 668.
- Precious metal, Certain named articles made of or plated with. Samstag & Hilder Bros. No. 119,986; Dec. 25; v. 245; p. 1022.
- Precious metals, Articles made of or plated with. R. & G. Co. No. 118,329; Aug. 23; v. 241; p. 1153.
- Precious or plated metal, Certain named articles made of. A. A. Greene & Co. No. 118,968; Oct. 16; v. 243; p. 790.
- Precious-stone settings. Joseph Frackman Company. No. 116,949; June 5; v. 239; p. 315.
- Pregnancy-testers. W. Höhn. No. 115,889; Mar. 20; v. 236; p. 885.
- Preheating devices for inlet-air for stoves, ranges, heaters, and furnaces. Pre-Heated Air Company. No. 119,371; Nov. 13; v. 244; p. 561.
- Preparation and saline for use in the treatment of the eyes. Liquid. G. W. Needham. No. 117,351; July 3; v. 240; p. 335.
- Preparation, Blood-modifying. Marion Stock Remedy Company. No. 116,074; Apr. 3; v. 237; p. 306.
- Preparation destructive or repellent to flies, lice, ticks, &c. Carpenter-Morton Company. No. 116,591; May 15; v. 238; p. 975.
- Preparation for blood, stomach, liver, and kidney ailments. D. L. Leyerle. No. 118,054; Aug. 14; v. 241; p. 617.
- Preparation for cancers. J. M. Stephens. No. 117,376; July 3; v. 240; p. 336.
- Preparation for checking excessive secretions of the skin and preventing the odor, Pharmaceutical. Royal Remedies Company. No. 115,396; Feb. 6; v. 235; p. 321.
- Preparation for cleaning articles made of white leather or white fabrics. I. Miller. No. 115,101; Jan. 23; v. 234; p. 1308.
- Preparation for corns, calluses, ingrown nails, &c. E. L. Wiseman. No. 119,416; Nov. 13; v. 244; p. 562.
- Preparation for curing aphthæ and aphthous fever. R. C. Etcheverry. No. 116,893; June 5; v. 239; p. 313.
- Preparation for curing perspiration of the feet. C. O. Shatto. No. 118,579; Sept. 18; v. 242; p. 746.
- Preparation for destroying bots and worms. French and Leslie. No. 118,172; Aug. 21; v. 241; p. 906.
- Preparation for destroying vermin. Gofeld Company. No. 119,694; Dec. 11; v. 245; p. 547.
- Preparation for diseases of the skin, Antiseptic. J. H. O'Grady. No. 115,217; Jan. 30; v. 234; p. 1579.
- Preparation for disinfecting purposes and for exterminating insects, &c. A. P. Padgett. No. 117,355; July 3; v. 240; p. 335.
- Preparation for disorders of the blood, Chemical. International Druggists' & Chemists' Laboratories. No. 119,319; Nov. 13; v. 244; p. 559.
- Preparation for foot-powder and chilblains. Foot Friend Company. No. 117,306; July 3; v. 240; p. 333.
- Preparation for killing trees, stumps, roots, &c. Summerfield Bros. No. 119,818; Dec. 11; v. 245; p. 551.
- Preparation for relief of stomach troubles, rheumatism, and kidney ailments. J. M. Morrison. No. 119,095; Oct. 23; v. 243; p. 1061.
- Preparation for removing dirt and grease, which is also a polish, Liquid. Burch and Collins. No. 116,116; Apr. 10; v. 237; p. 617.
- Preparation for removing oils and greases from the skin, Liquid. W. L. Voigt. No. 116,257; Apr. 17; v. 237; p. 915.
- Preparation for removing oils and greases from woollens and other textile fabrics, Liquid. W. L. Voigt. No. 116,256; Apr. 17; v. 237; p. 914.
- Preparation for removing tar and similar spots from vehicle-bodies, fabrics, &c. Mohawk Valley Supply Co. No. 118,557; Sept. 18; v. 242; p. 745.
- Preparation for rheumatism and weak lungs. Black and Walter. No. 119,036; Oct. 23; v. 243; p. 1059.
- Preparation for stimulating the growth of eye brows and lashes. T. L. Williams. No. 116,386; Apr. 24; v. 237; p. 1216.
- Preparation for the destruction and prevention of roaches and water-bugs. Van Antwerp's Drug Corporation. No. 118,354; Aug. 28; v. 241; p. 1154.
- Preparation for the kidneys. S. Thomas. No. 115,554; Feb. 20; v. 235; p. 1051.
- Preparation for the kidneys and blood and a pepsin compound. A. R. Pruett. No. 119,787; Dec. 11; v. 245; p. 550.
- Preparation for the relief of all raw and irritated skin surfaces. Van Antwerp's Drug Corporation. No. 118,596; Sept. 18; v. 242; p. 746.
- Preparation for the relief of foot affections, Liquid. H. Heller. No. 117,859; Aug. 7; v. 241; p. 294.
- Preparation for the relief of indigestion, Pharmaceutical. Fairchild Bros. & Foster. No. 116,049; Apr. 3; v. 237; p. 305.
- Preparation for the relief of malaria and biliousness, &c. D. C. Ruscoe. No. 119,577; Nov. 27; v. 244; p. 1084.
- Preparation for the removal of freckles. Kintho Manufacturing Company. No. 119,326; Nov. 13; v. 244; p. 559.
- Preparation for the treatment of cancer and eczema. J. Varga. No. 118,114; Aug. 14; v. 241; p. 619.
- Preparation for the treatment of cancer and for charging water with radio-active therapeutic properties. J. F. Wallis. No. 116,567; May 8; v. 238; p. 647.
- Preparation for the treatment of cancers. P. M. A. Roberts. No. 117,359; July 3; v. 240; p. 335.
- Preparation for the treatment of cancers. B. F. Swindell. No. 119,584; Nov. 27; v. 244; p. 1084.
- Preparation for the treatment of certain named diseases. S. Fargo. No. 116,510; May 8; v. 238; p. 645.
- Preparation for the treatment of certain named diseases. M. W. Weinberg. No. 117,012; June 5; v. 239; p. 317.
- Preparation for the treatment of certain named diseases. Yost-Merchant Co. No. 119,853; Dec. 11; v. 245; p. 552.
- Preparation for the treatment of cough, cold, bronchitis, &c. Dr. J. O. Lambert Limited. No. 117,885; Aug. 7; v. 241; p. 295.
- Preparation for the treatment of diarrhea and dysentery. G. Krouser. No. 117,044; June 12; v. 239; p. 651.
- Preparation for the treatment of diseases of the respiratory mucous membranes. Ireland Chemical Co. No. 116,647; May 15; v. 238; p. 977.
- Preparation for the treatment of dropsy. Roberts Dropsy Cure Co. No. 115,024; Jan. 16; v. 234; p. 1042.
- Preparation for the treatment of dyspepsia. The Tracy Company. No. 116,995; June 5; v. 239; p. 316.
- Preparation for the treatment of gravel, bladder, back-ache, and kidney trouble. A. Robart. No. 116,554; May 8; v. 238; p. 646.
- Preparation for the treatment of headaches, fever, nervousness, &c. H.-d-Tone Company. No. 115,084; Jan. 23; v. 234; p. 1308.
- Preparation for the treatment of kidney and blood diseases. G. Ash. No. 116,873; June 5; v. 239; p. 313.
- Preparation for the treatment of lumbago, rheumatism, and swollen joints. M. Tynion. No. 116,382; Apr. 24; v. 237; p. 1216.
- Preparation for the treatment of piles. M. Pelky. No. 119,914; Dec. 18; v. 245; p. 840.
- Preparation for the treatment of rheumatism. Delta Chemical Company. No. 119,277; Nov. 13; v. 244; p. 558.
- Preparation for the treatment of rheumatism. J. Lewis. No. 116,905; June 5; v. 239; p. 314.
- Preparation for the treatment of rheumatism. The Sal-Oda Chemical Co. No. 117,364; July 3; v. 240; p. 335.
- Preparation for the treatment of rheumatism. Vis Vitæ Company. No. 116,481; May 1; v. 238; p. 307.
- Preparation for the treatment of rheumatism, ailments of the kidneys, backache, and excess of uric acid. H. E. Kendall. No. 119,544; Nov. 27; v. 244; p. 1083.
- Preparations for the treatment of rheumatism, catarrh, &c. L. A. Howard Company. No. 116,060; Apr. 3; v. 237; p. 306.
- Preparation for the treatment of the nervous system. Kronberger's Polyglot Pharmacy. No. 119,327; Nov. 13; v. 244; p. 559.

- Preparation for the treatment of the scalp. S. F. Del Valle. No. 118,755; Oct. 2; v. 243; p. 236.
- Preparation for the treatment of the scalp. J. Neclaus. No. 117,350; July 3; v. 240; p. 335.
- Preparation for the treatment of the stomach. A. A. Maillett Co. No. 119,744; Dec. 11; v. 245; p. 549.
- Preparation for the treatment of whooping-cough and like ailments. Zol, Limited. No. 115,134; Jan. 23; v. 234; p. 1309.
- Preparation for treatment of certain named diseases. A. M. Kay. No. 119,543; Nov. 27; v. 244; p. 1083.
- Preparation for treatment of certain named diseases. Medicinal. P. Donohue. No. 116,610; May 15; v. 238; p. 976.
- Preparation for treatment of diabetes. Medical. J. Barling. No. 116,394; May 1; v. 238; p. 305.
- Preparation for treatment of diseases of the skin. G. W. Cates. No. 114,699; Jan. 2; v. 234; p. 368.
- Preparation for use in the treatment for constipation. The Tracy Company. No. 116,930; June 5; v. 239; p. 314.
- Preparation for use in the treatment for indigestion. The Tracy Company. No. 116,931; June 5; v. 239; p. 314.
- Preparation intended to destroy all kinds of minute vermin affecting the human body, also a dental antiseptic. A. J. Odenwelder, Jr. No. 119,362; Nov. 13; v. 244; p. 560.
- Preparation, Non-alcoholic. Pabst Brewing Company. No. 115,862; Mar. 13; v. 236; p. 592.
- Preparation to be applied to coal to render the combustion more complete. Lloyds of America. No. 114,997; Jan. 16; v. 234; p. 1041.
- Preparation to increase the vaporization and intensify hydrocarbon fuels. The Culmer Chemical Company. No. 116,294; Apr. 24; v. 237; p. 1214.
- Preparation to protect potato vines and tubers, Chemical. W. R. Grace & Co. No. 115,179; Jan. 30; v. 234; p. 1578.
- Preparations for certain named diseases and affections. E. J. Fazakerley. No. 118,018; Aug. 14; v. 241; p. 616.
- Preparations for colds, grippé, &c., Homeopathic. E. F. McKay. No. 115,202; Jan. 30; v. 234; p. 1579.
- Preparations for external use for treating certain named diseases. Medicinal. S. Haydock. No. 117,321; July 3; v. 240; p. 334.
- Preparations for sore throat, pyorrhea, catarrh, &c., Medicinal. A. De Courcy. No. 116,413; May 1; v. 238; p. 305.
- Preparations for the treatment of certain named diseases. E. S. Glass. No. 116,896; June 5; v. 239; p. 313.
- Preparations for the treatment of certain named diseases and affections. N. Zarpas. No. 116,387; Apr. 24; v. 237; p. 1216.
- Preparations for the treatment of constipation, rheumatism, gall-stones, &c. C. S. Carlisle. No. 114,939; Jan. 16; v. 234; p. 1039.
- Preparations for treating certain named diseases and affections. The Aseptol Company. No. 119,241; Nov. 13; v. 244; p. 557.
- Preservative dressings or compositions for wood, stone, and brick work, and metal. Plastic Cements & Fibrastic. No. 115,659; Feb. 27; v. 235; p. 1351.
- Preservative for fruit, vegetables, and meats. B. F. Smeyers. No. 116,464; May 1; v. 238; p. 307.
- Preservative for impregnating wood. The Kettle River Company. Nos. 118,046-7; Aug. 14; v. 241; p. 617.
- Preservative for wire rope and cable, chains, &c. Cling-Surface Company. No. 119,264; Nov. 13; v. 244; p. 557.
- Press-clippings. Henry Romeike, Inc. No. 119,984; Dec. 25; v. 245; p. 1022.
- Pressure-indicating devices. Bear & Glick. No. 116,577; May 15; v. 238; p. 975.
- Pretzels. American Pretzel Company. Nos. 119,420-1; Nov. 20; v. 244; p. 813.
- Pretzels, cakes, crackers, and biscuits. York Pretzel Bakery. No. 119,852; Dec. 11; v. 245; p. 552.
- Print-cloth, wall-paper, and the like designs. Toepfer & Schreff. No. 116,993; June 5; v. 239; p. 316.
- Prints and publications, Certain. United Association of Plumbers and Steam Fitters of the United States and Canada. No. 118,594; Sept. 18; v. 242; p. 746.
- Prints and publications, Certain named. F. W. Ballard & Company. No. 117,632; July 24; v. 240; p. 1161.
- Prints and publications, Certain named. Frost Brothers Company. No. 117,435; July 10; v. 240; p. 636.
- Prints and publications, Certain named. Textile Publishing Company. No. 118,589; Sept. 18; v. 242; p. 746.
- Prints and publications, Certain named. Waldes & Co. Nos. 119,221-2; Oct. 30; v. 243; p. 1307.
- Prints, Decorative. Toepfer & Schreff. No. 117,716; July 24; v. 240; p. 1163.
- Printed and published rhymes and short prose compositions, Series of. M. M. Hankins. No. 119,705; Dec. 11; v. 245; p. 547.
- Printing machinery, Certain named. The Estate of Walter Scott. Nos. 114,830-31; Jan. 2; v. 234; p. 372.
- Printing-machines, and more particularly check-writers and check-protectors. Defiance Check Writer Corporation. No. 115,594; Feb. 27; v. 235; p. 1349.
- Prunes. Strohmeier & Arpe Company. No. 115,118; Jan. 23; v. 234; p. 1309.
- Publication. Linograph Company. No. 118,547; Sept. 18; v. 242; p. 745.
- Publication, Bimonthly. J. E. Sitterley. No. 118,824; Oct. 2; v. 243; p. 238.
- Publication column of humorous matter, Title or heading of. D. Kamnetzky. No. 118,416; Sept. 4; v. 242; p. 250.
- Publication distributed for advertising purposes, Monthly. The Firestone Tire and Rubber Company. No. 117,845; Aug. 7; v. 241; p. 294.
- Publication issued quarterly. Brad Stephens & Co. No. 115,248; Jan. 30; v. 234; p. 1580.
- Publication, Monthly. Baers'. No. 118,487; Sept. 18; v. 242; p. 743.
- Publication, Monthly. J. D. Bates. No. 118,142; Aug. 21; v. 241; p. 905.
- Publication, Monthly. Dwinell-Wright Company. No. 118,761; Oct. 2; v. 243; p. 236.
- Publication, Monthly. W. Jones. No. 117,334; July 3; v. 240; p. 334.
- Publication, Monthly. The Marconi Publishing Corporation. No. 115,855; Mar. 13; v. 236; p. 591.
- Publication, Monthly. The Monitor Stove & Range Co. No. 118,800; Oct. 2; v. 243; p. 237.
- Publication, Monthly. The Motor Print Company. No. 115,211; Jan. 30; v. 234; p. 1579.
- Publication, Monthly. The Stern & Saalberg Company. No. 115,685; Feb. 27; v. 235; p. 1352.
- Publication, Quarterly. Remington Typewriter Company. No. 118,998; Oct. 16; v. 243; p. 790.
- Publication, Semi-annual. Motion Picture News. No. 116,152; Apr. 10; v. 237; p. 618.
- Publication, Semimonthly. Commercial Vehicle. No. 119,176; Oct. 30; v. 243; p. 1305.
- Publication, Serial. Draper Corporation. No. 118,502; Sept. 18; v. 242; p. 743.
- Publication title, Monthly. R. G. Dun & Co. No. 118,504; Sept. 18; v. 242; p. 743.
- Publication title, Monthly. The Emerson Electric Manufacturing Company. No. 118,507; Sept. 18; v. 242; p. 744.
- Publication, Weekly. E. W. Briggs. No. 115,586; Feb. 27; v. 235; p. 1349.
- Publication, Weekly. Class Journal Co. No. 119,173; Oct. 30; v. 243; p. 1305.
- Publication, Weekly. G. E. Jennings. No. 118,535; Sept. 18; v. 242; p. 744.
- Publication, Weekly. Markets Publishing Corporation. No. 116,229; Apr. 17; v. 237; p. 914.
- Publication, Weekly. F. W. Shepperd. No. 115,240; Jan. 30; v. 234; p. 1580.
- Publications, and particularly such publications in card form, Language-teaching. Old-Wil Publishing Co. No. 115,378; Feb. 6; v. 235; p. 320.
- Publications issued biannually. The Horn-Shafer Company. No. 117,146; June 19; v. 239; p. 935.
- Publications issued biweekly. B. Wolff. No. 118,250; Aug. 21; v. 241; p. 908.
- Publications used in teaching scientific salesmanship, Periodical. The Sheldon School. Nos. 118,439-40; Sept. 4; v. 242; p. 251.
- Publications, Weekly. The Motor World Publishing Co. No. 115,370; Feb. 6; v. 235; p. 320.
- Publications, Weekly and monthly. Kelley-Clarke Co. No. 118,539; Sept. 18; v. 242; p. 745.
- Pump, Electric motor-driven. Otto Higel Company. No. 117,559; July 17; v. 240; p. 936.
- Pump for automobile-tires, Engine-driven air. West Side Foundry Co. No. 117,495; July 10; v. 240; p. 638.
- Pump-rod couplings. E. E. Johnson. No. 115,968; Mar. 27; v. 236; p. 1216.
- Pumps, air-compressors, Single and duplex steam and jet and bilge. Blakeslee Manufacturing Co. No. 116,114; Apr. 10; v. 237; p. 617.
- Pumps and compressors. Isko, Incorporated. No. 116,846; May 29; v. 238; p. 1636.
- Pumps and fluid-pressure motors. The Burnett-Larsh Manufacturing Co. No. 119,502; Nov. 27; v. 244; p. 1081.
- Pumps and wrenches. The Hill Pump Valve Company. No. 115,511; Feb. 20; v. 235; p. 1050.
- Pumps, Automobile and bicycle tire. Bridgeport Brass Company. No. 115,728; Mar. 6; v. 236; p. 277.
- Pumps, Automobile-tire. Bridgeport Brass Company. No. 115,585; Feb. 27; v. 235; p. 1349.
- Pumps, conveyers, butter-cutters, &c., Sanitary. Jensen Creamery Machinery Company. No. 115,191; Jan. 30; v. 234; p. 1578.
- Pumps, Rotary. Blackmer Rotary Pump Co. No. 115,583; Feb. 27; v. 235; p. 1349.
- Pumps, Tire. Bridgeport Brass Company. No. 119,501; Nov. 27; v. 244; p. 1081.
- Punches and pliers. C. C. Harris. No. 116,763; May 22; v. 238; p. 1325.
- Punching-machines for perforating sheets. The Samuel C. Tatum Co. No. 115,034; Jan. 16; v. 234; p. 1042.
- Puncture-proof solution. J. N. Neal. No. 115,532; Feb. 20; v. 235; p. 1051.
- Purgative. Hubbard Medical Mfg. Co. No. 118,771; Oct. 2; v. 243; p. 236.
- Puttees. L. W. Conklin. No. 119,879; Dec. 18; v. 245; p. 832.
- Putty, Puncture-. Columbia Chemical Co. No. 118,862; Oct. 9; v. 243; p. 519.

Alphabetical list of trade-marks—Continued.

- Puzzles. A. Clark. No. 115,304; Feb. 6; v. 235; p. 318.
- Pyrometers, tachometers, operation-recorders, &c. The Brown Instrument Company. No. 116,393; May 1; v. 238; p. 305.
- Pyrometric cones, Standard. E. Orton, Jr. No. 118,691; Sept. 25; v. 242; p. 989.
- Racks, registers, bulletins, and the like, Certain named. Universal Register Co. No. 116,719; May 15; v. 238; p. 979.
- Railway signaling and interlocking systems, Apparatus and machinery for. The Union Switch & Signal Company. No. 115,558; Feb. 20; v. 235; p. 1051.
- Rain-coats. B. Fligel. No. 118,648; Sept. 25; v. 242; p. 988.
- Rain-coats. F. W. Howard. No. 116,953; June 5; v. 239; p. 315.
- Rain-coats. Kling Bros. & Co. No. 118,887; Oct. 9; v. 243; p. 520.
- Rain-coats. C. B. Shane Co. No. 118,227; Aug. 21; v. 241; p. 908.
- Rain-coats made of textiles treated with waterproofing materials. American Rubber Company. No. 118,940; Oct. 16; v. 243; p. 789.
- Raisins and dried fruits, Seeded. Rosenberg Bros. & Co. No. 119,118; Oct. 23; v. 243; p. 1062.
- Raisins, Seeded, dried peaches, pitted plums, figs, &c. Castle Brothers. No. 119,656; Dec. 11; v. 245; p. 546.
- Rakes. The Casement Hardware Co. No. 117,293; July 3; v. 240; p. 333.
- Rakes, Hand-. A. K. Gilson. No. 114,964; Jan. 16; v. 234; p. 1040.
- Ranges and stoves, Wood and coal burning. The Stamford Foundry Company. No. 115,682; Feb. 27; v. 235; p. 1352.
- Raw or partly-prepared materials, Certain named. The Scranton Button Company. No. 118,339; Aug. 28; v. 241; p. 1153.
- Razor honers and stoppers. R. & H. Manufacturing Corporation. No. 116,087; Apr. 3; v. 237; p. 307.
- Razor-strops. L. A. Flinker. No. 115,078; Jan. 23; v. 234; p. 1308.
- Razors. Theo. A. Kochs Company. No. 118,050; Aug. 14; v. 241; p. 617.
- Razors. Krusius Brothers. No. 114,778; Jan. 2; v. 234; p. 370.
- Razors and shears. F. Dolle. No. 114,952; Jan. 16; v. 234; p. 1040.
- Razors, knives of base metal other than surgical knives, and shears. Matthews & Lively Co. No. 116,150; Apr. 10; v. 237; p. 618.
- Razors, knives, pitchforks, axes, &c. A. M. Malouf. No. 117,571; July 17; v. 240; p. 937.
- Razors, knives, scissors, shears, and parts thereof. Geneva Cutlery Company. No. 118,029; Aug. 14; v. 241; p. 617.
- Receptacles, Certain named. Goldman Costume Company. No. 119,696; Dec. 11; v. 245; p. 547.
- Receptacles, Certain named. A. Kreamer. No. 118,301; Aug. 28; v. 241; p. 1152.
- Receptacles, Certain named. Wanderer-Werke vorm. Winkhofer & Jaenicke Aktiengesellschaft. No. 116,721; May 15; v. 238; p. 979.
- Receptacles having electric attachments, Certain. Manhattan Electrical Supply Company. No. 115,527; Feb. 20; v. 235; p. 1050.
- Receptacles made of metal, Certain named. The Republic Metalware Co. No. 117,202; June 19; v. 239; p. 936.
- Refinishing preparation, Liquid. The Western Specialty Manufacturing Company. No. 119,594; Nov. 27; v. 244; p. 1084.
- Reflectors for lighting-fixtures, Metal. The Duplex Lighting System. No. 117,842; Aug. 7; v. 241; p. 294.
- Reflectors, Metal. National X-Ray Reflector Company. No. 114,812; Jan. 2; v. 234; p. 371.
- Refrigerating-machines and parts thereof, &c. F. W. Wolf. No. 119,156; Oct. 23; v. 243; p. 1063.
- Refrigerating-machines and parts thereof and refrigerator-boxes. F. W. Wolf. No. 119,225; Oct. 30; v. 243; p. 1307.
- Refrigerators. The Baldwin Refrigerator Co. No. 117,508; July 17; v. 240; p. 935.
- Refrigerators. R. H. Krall. No. 118,789; Oct. 2; v. 243; p. 237.
- Refrigerators. United Refrigerator Companies. No. 119,480; Nov. 20; v. 244; p. 814.
- Refrigerators and ice-boxes. Bernard Gloekler Company. No. 117,753; July 31; v. 240; p. 1445.
- Relish, Vegetable. G. H. Conover. No. 117,742; July 31; v. 240; p. 1445.
- Relishes and pickles, Mixed vegetable. D. E. Phillips. No. 116,457; May 1; v. 238; p. 307.
- Remedies, antiseptic powder, cathartic pills, Catarrh, pile, &c. Doc. Strock Remedy Co. No. 116,700; May 15; v. 238; p. 979.
- Remedies for certain complaints and disorders. The Dr. J. H. McLean Medicine Co. No. 115,456; Feb. 13; v. 235; p. 691.
- Remedies for certain named affections. Marathon Laboratory. No. 118,072; Aug. 14; v. 241; p. 618.
- Remedies for diseases such as indigestion, dyspepsia, and constipation. C. Allen. No. 116,268; Apr. 24; v. 237; p. 1213.
- Remedies for external use. Savon Chemical Co. No. 117,927; Aug. 7; v. 241; p. 296.
- Remedies for indigestion and stomach disorders. W. J. Ritchie. No. 118,574; Sept. 18; v. 242; p. 746.
- Remedies for rheumatism, headache, &c., lotions and creams, ointments, salves. K. Kovacs. No. 115,972; Mar. 27; v. 236; p. 1216.
- Remedies for treating certain named diseases and ailments. Capa Drug Company. No. 115,938; Mar. 27; v. 236; p. 1215.
- Remedies, ointments, and liniments for certain named diseases and affections. N. Teplow. No. 115,413; Feb. 6; v. 235; p. 321.
- Remedies, Rheumatic. The Bromo Remedy Co. No. 116,086; Apr. 3; v. 237; p. 305.
- Remedy and hair-restorer. Dandruff. S. Levy. No. 114,993; Jan. 16; v. 234; p. 1041.
- Remedy and ointment for certain named diseases and affections. B. P. Maza & Co. No. 118,073; Aug. 14; v. 241; p. 618.
- Remedy, Certain pile. Ajax Pile Remedy Company. No. 116,495; May 8; v. 238; p. 645.
- Remedy, Cough. W. Curbo. No. 119,274; Nov. 13; v. 244; p. 558.
- Remedy, Eczema. Star Eczema Co. No. 115,903; Mar. 20; v. 236; p. 886.
- Remedy, Eye. O. R. Remington. No. 118,700; Sept. 25; v. 242; p. 989.
- Remedy for asthma. Frost Remedy Company. No. 116,514; May 8; v. 238; p. 645.
- Remedy for asthma and bronchial trouble. A. J. Le Faivre. No. 117,675; July 24; v. 240; p. 1162.
- Remedy for asthma, croup, coughs, catarrh, and throat trouble. Mrs. L. J. Craft. No. 119,271; Nov. 13; v. 244; p. 558.
- Remedy for catarrh. S. H. Davis. No. 114,721; Jan. 2; v. 234; p. 368.
- Remedy for catarrh, hay-fever, rose cold, &c. M. Henry. No. 119,309; Nov. 13; v. 244; p. 559.
- Remedy for certain named ailments and all skin diseases. W. A. Minick. No. 115,457; Feb. 13; v. 235; p. 692.
- Remedy for certain named diseases. K. G. Bouzoukls. No. 116,583; May 15; v. 238; p. 975.
- Remedy for certain named diseases and affections. B. D. G. Liniment Co. No. 115,478; Feb. 20; v. 235; p. 1049.
- Remedy for cholera affecting cattle and fowl. M. Klambenes. No. 116,528; May 8; v. 238; p. 646.
- Remedy for constipation, colic. D. Kovacs. No. 118,672; Sept. 25; v. 242; p. 988.
- Remedy for constipation, dyspepsia, &c. G. J. Thomasen. No. 118,106; Aug. 14; v. 241; p. 619.
- Remedy for corns, bunions, &c. K. Erdeky. No. 118,013; Aug. 14; v. 241; p. 616.
- Remedy for coughs and colds. A. P. Foosse. No. 117,848; Aug. 7; v. 241; p. 294.
- Remedy for coughs, colds, and la grippe. G. C. V. Fesler. No. 115,952; Mar. 27; v. 236; p. 1216.
- Remedy for coughs, hoarseness, laryngitis, &c. L. W. Kirchner. No. 116,527; May 8; v. 238; p. 646.
- Remedy for dandruff, eczema, and falling hair. Tinas Company. No. 116,101; Apr. 3; v. 237; p. 307.
- Remedy for diphtheria and sore throat. C. P. Ashburn. No. 115,476; Feb. 20; v. 235; p. 1049.
- Remedy for diseases and disorders of the uterus. B. L. Cole. No. 116,289; Apr. 24; v. 237; p. 1213.
- Remedy for diseases of the lungs, coughs, catarrh, and asthma. K. S. Ramashausk. No. 117,058; June 12; v. 239; p. 652.
- Remedy for epileptic fits and convulsions. Poland and Savage. No. 115,800; Mar. 3; v. 236; p. 279.
- Remedy for gonorrhoea. P. Chovanecz. No. 115,301; Feb. 6; v. 235; p. 318.
- Remedy for gonorrhoea and gleet. San-Cura-Con Co. No. 117,365; July 3; v. 240; p. 335.
- Remedy for headaches, nervous fatigue, neuralgia, &c. The Sidney Ross Co. No. 119,804; Dec. 11; v. 245; p. 550.
- Remedy for hereditary and acquired syphilis and all conditions arising from same. W. B. Lingo. No. 115,454; Feb. 13; v. 235; p. 691.
- Remedy for impure condition of the blood. Boericke & Tafel. No. 117,987; Aug. 14; v. 241; p. 615.
- Remedy for indigestion. L. A. Foix. No. 116,133; Apr. 10; v. 237; p. 617.
- Remedy for indigestion, constipation, heartburn, &c. S. B. Goff & Sons Co. No. 114,967; Jan. 16; v. 234; p. 1040.
- Remedy for intestinal stasis and constipation. F. H. Glazebrook. No. 114,965; Jan. 16; v. 234; p. 1040.
- Remedy for la grippe, colds, neuralgia, &c. C. W. Holzhauser. No. 115,340; Feb. 6; v. 235; p. 319.
- Remedy for la grippe, hay-fever, asthma, &c. The S. Shearer Co. No. 116,925; June 5; v. 239; p. 314.
- Remedy for muscular rheumatism. A. P. Foosse. No. 116,513; May 8; v. 238; p. 645.
- Remedy for neuralgia and rheumatism in all forms. The Smith-Dorsey Company. No. 118,825; Oct. 2; v. 243; p. 238.
- Remedy for piles, in powder form. S. D. Lance. No. 116,532; May 8; v. 238; p. 646.
- Remedy for removing dandruff. The Favorita Co. No. 118,510; Sept. 18; v. 242; p. 744.
- Remedy for rheumatism. S. Anthony. No. 115,914; Mar. 27; v. 236; p. 1215.

- Remedy for rheumatism. E. Hickey. No. 117,039; June 12; v. 239; p. 651.
- Remedy for rheumatism. G. Nikolow. No. 115,460; Feb. 13; v. 235; p. 962.
- Remedy for rheumatism and kidney diseases. W. J. Davis. No. 115,314; Feb. 6; v. 235; p. 318.
- Remedy for rheumatism, in powder form. B. Kind. No. 119,546; Nov. 27; v. 244; p. 1083.
- Remedy for rheumatism, liver, kidney, &c., complaints, Internal. AlleRhome Remedy Co. No. 115,873; Mar. 20; v. 236; p. 885.
- Remedy for syphilis, Medical. E. J. Latta. No. 116,851; May 29; v. 238; p. 1636.
- Remedy for the treatment of ingrowing nails. A. M. Samson. No. 116,367; Apr. 24; v. 238; p. 1216.
- Remedy for trachoma and other eye affections. Monahan Medicine Co. No. 115,782; Mar. 6; v. 236; p. 279.
- Remedy for treating certain named diseases, Blood. Comar Remedy Company. No. 116,824; May 29; v. 238; p. 1635.
- Remedy for treatment of the feet. C. F. Eha. No. 114,732; Jan. 2; v. 234; p. 369.
- Remedy, Gall. R. H. Hamilton. No. 117,856; Aug. 7; v. 241; p. 294.
- Remedy, Pile. Clo-Vo Chemical Co. No. 117,999; Aug. 14; v. 241; p. 616.
- Remedy, Pile. E. Francis. No. 119,292; Nov. 13; v. 244; p. 558.
- Remedy, Pile. J. W. Williams. No. 117,234; June 19; v. 239; p. 937.
- Remedy, Poultry. Burrell-Miller. No. 115,730; Mar. 6; v. 236; p. 277.
- Remedy, Stomach, liver, and bowel. W. A. Knoll. No. 115,351; Feb. 6; v. 235; p. 319.
- Remedy, Tetter. J. A. Weatherall. No. 119,413; Nov. 13; v. 244; p. 562.
- Remedy to be injected into the veins for treating certain named diseases. E. B. Witte. No. 117,727; July 24; v. 240; p. 1164.
- Rheostats. Wirt Company. No. 115,235; Jan. 30; v. 234; p. 1581.
- Rheostats. Wirt Company. No. 118,126; Aug. 14; v. 241; p. 620.
- Rhubarb, asparagus, and cantaloups, Fresh. California Vegetable Union. No. 119,256; Nov. 13; v. 244; p. 557.
- Ribbon-wire, button-hooks, corset and shoe laces, &c. George Borgfeldt & Co. No. 117,287; July 3; v. 240; p. 333.
- Ribbons. Johnson, Cowdin & Co. Nos. 119,726-7; Dec. 11; v. 245; p. 548.
- Ribbons. U. R. T. Lund. No. 116,148; Apr. 10; v. 237; p. 618.
- Ribbons. Rice-Stix Dry Goods Company. No. 119,982; Dec. 25; v. 245; p. 1022.
- Ribbons. H. H. Weil & Son. No. 115,045; Jan. 16; v. 234; p. 1043.
- Ribbons and silk piece goods. C. M. Offray. No. 118,914; Oct. 9; v. 243; p. 521.
- Rice. M. M. Baumgartner. No. 117,510; July 17; v. 240; p. 935.
- Rice. C. F. Blanke Tea & Coffee Co. No. 115,725; Mar. 6; v. 236; p. 277.
- Rice. Fort Smith Coffee Company. No. 118,401; Sept. 4; v. 242; p. 250.
- Rice. New Orleans Coffee Co. No. 115,213; Jan. 30; v. 234; p. 1579.
- Rice. New Orleans Coffee Co. Nos. 115,990-1; Mar. 27; v. 236; p. 1217.
- Rice. New Orleans Coffee Co. No. 116,352; Apr. 24; v. 237; p. 1259.
- Rice. Panama Rice Milling Co. No. 117,056; June 12; v. 239; p. 652.
- Rice and prepared rice used as a breakfast cereal. Rice Cereal & Milling Co. No. 118,331; Aug. 28; v. 241; p. 1153.
- Rice, rice-bran, and rice-polish used for a stock food. Stuttgart Rice Mill Company. No. 117,067; June 12; p. 239; p. 652.
- Rifle, pistol, and shotgun cartridges and molds for bullets, Loading implements for. P. M. Talcott. No. 116,866; May 29; v. 238; p. 1636.
- Ring-buffs—viz., buff-sticks. S. J. Sanger. No. 115,400; Feb. 6; v. 235; p. 321.
- Rings. Nusystem Jewelry Mfg. Co. No. 118,994; Oct. 16; v. 243; p. 790.
- Rings, Finger-. Goldsmith, Stern & Co. No. 116,950; June 5; v. 239; p. 315.
- Rings, Finger-. F. H. Noble & Company. No. 115,897; Mar. 20; v. 236; p. 885.
- Rings, Finger-. The Traub Manufacturing Company. No. 115,556; Feb. 20; v. 235; p. 1051.
- Rings, Finger-. The Traub Manufacturing Company. No. 116,996; June 5; v. 239; p. 316.
- Rings, lavallières, bracelets, brooches, Finger-. A. Wiss. No. 117,015; June 5; v. 239; p. 317.
- Rings of all kinds, Finger-. J. B. Bowden & Company. No. 118,491; Sept. 18; v. 242; p. 743.
- Roach-destroyer. B. Heller & Co. No. 119,308; Nov. 13; v. 244; p. 559.
- Road-binder, Bituminous-tar. American Tar Products Company. No. 115,912; Mar. 27; v. 236; p. 1215.
- Road-construction blocks and slabs. The Anglo-Mexican Petroleum Products Co. No. 116,111; Apr. 10; v. 237; p. 617.
- Road-making machines. American Road Machinery Company. No. 116,392; May 1; v. 238; p. 305.
- Road-surfacing materials, Asphaltic. The Oakland Paving Company. No. 117,585; July 17; v. 240; p. 937.
- Rock and rye, sloe and dry gins, Lemon hoarhound. Stein Brothers. No. 116,164; Apr. 10; v. 237; p. 618.
- Rodent-poison. Wood, Putnam & Wood Co. No. 117,965; Aug. 7; v. 241; p. 298.
- Rollers for window-shades, awnings, maps, cars, &c., Spring-. C. W. Breneman. No. 116,585; May 15; v. 238; p. 975.
- Rompers and children's sleeping-garments. Elder Manufacturing Co. No. 116,889; June 5; v. 239; p. 313.
- Rompers, dresses, and play-suits, Children's. J. W. Chester. No. 119,656; Dec. 11; v. 245; p. 546.
- Rompers, dresses, and play-suits, Children's. L. Wohl & Co. No. 117,964; Aug. 7; v. 241; p. 298.
- Rompers or play-suits for children. E. J. Levin. No. 115,893; Mar. 20; v. 236; p. 885.
- Roof-covering compound, Plastic. G. A. Fisher. No. 118,400; Sept. 4; v. 242; p. 250.
- Roofing and floorings, shingles, strip-shingles, &c., Prepared. Flintkote Manufacturing Company. No. 117,540; July 17; v. 240; p. 936.
- Roofing, Asbestos. H. W. Johns-Manville Co. No. 118,881; Oct. 9; v. 243; p. 520.
- Roofing, Asphalt. Apco Asphalt Roofing Co. No. 117,088; June 19; v. 239; p. 935.
- Roofing, Composition. The Blount Lumber Co. No. 116,032; Apr. 3; v. 237; p. 305.
- Roofing, Composition. Imperial Roofing Mfg. Company. No. 118,040; Aug. 14; v. 241; p. 617.
- Roofing-felt or the like. The Norton Brothers Company. No. 119,758; Dec. 11; v. 245; p. 549.
- Roofing, Lime and composition. The Alexander Lumber Company. No. 117,400; July 10; v. 240; p. 635.
- Roofing material. H. H. Hopkins Company. No. 114,886; Jan. 9; v. 234; p. 668.
- Roofing material, Rolled ready-to-lay. Banks Supply Co. No. 119,031; Oct. 23; v. 243; p. 1059.
- Roofing, Prepared. The Reckitt Corporation. No. 119,117; Oct. 23; v. 243; p. 1062.
- Roofing, Prepared asphalt. Baltimore Roofing and Asbestos Mfg. Co. No. 115,279; Feb. 6; v. 235; p. 317.
- Roofing, Prepared asphalt. Baltimore Roofing & Asbestos Manufacturing Co. No. 116,576; May 15; v. 238; p. 975.
- Roofings, Felt, asphalt, &c. R. Kelly. No. 118,200; Aug. 21; v. 241; p. 907.
- Rope and cordage, Manila. Geo. B. Carpenter & Co. No. 118,272; Aug. 28; v. 241; p. 1151.
- Rope, cord, lines, and twine, Vegetable-fiber. American Manufacturing Company. No. 115,269; Feb. 6; v. 235; p. 317.
- Rope, Manila. Waterbury Company. No. 117,233; June 19; v. 239; p. 937.
- Rouge. A. Bourgeois & Co. No. 119,873; Dec. 18; v. 245; p. 839.
- Rouge. The Pompeian Mfg. Co. No. 119,369; Nov. 13; v. 244; p. 561.
- Rouge and powder, Face. El Moro Co. No. 118,397; Sept. 4; v. 242; p. 249.
- Rubber. Acushnet Process Co. No. 118,479; Sept. 18; v. 242; p. 743.
- Rubber and composition disks for use as a universal-joint member. F. R. Blair & Co. No. 116,200; Apr. 17; v. 237; p. 913.
- Rubber and composition soles and heels. The Marathon Tire & Rubber Co. Nos. 118,899-900; Oct. 9; v. 243; p. 520.
- Rubber and duck beltings and hose and rubber, flax, and asbestos machinery packings. The Cincinnati Rubber Manufacturing Company. No. 116,746; May 22; v. 238; p. 1325.
- Rubber and fabric belting. The Gutta Percha & Rubber Manufacturing Company. No. 119,304; Nov. 13; v. 244; p. 559.
- Rubber and fabric belting and hose. The Gutta Percha & Rubber Manufacturing Company. No. 119,303; Nov. 13; v. 244; p. 559.
- Rubber and fabric belting and hose. Gutta Percha & Rubber Manufacturing Company. No. 119,443; Nov. 20; v. 244; p. 813.
- Rubber and fabric belting and hose. The Gutta Percha & Rubber Manufacturing Company. Nos. 119,894-5; Dec. 18; v. 245; p. 840.
- Rubber and fabric, Certain named articles made of. The Mechanical Rubber Company. No. 118,207; Aug. 21; v. 241; p. 907.
- Rubber and fabric hose, rubber belting and packing. Southern Railway Supply and Equipment Co. No. 118,442; Sept. 4; v. 242; p. 251.
- Rubber and leather and rubber boots and shoes, slippers. A. J. Bates Company. No. 119,246; Nov. 13; v. 244; p. 557.
- Rubber and rubber-lined-fabric hose. Peerless Rubber Manufacturing Company. No. 115,996; Mar. 27; v. 236; p. 1217.
- Rubber bands. E. Faber. No. 119,517; Nov. 27; v. 244; p. 1082.

Alphabetical list of trade-marks—Continued.

- Rubber bands. Goodyear Rubber Company. No. 117,659; July 24; v. 240; p. 1162.
- Rubber belting and hose. Crandall Packing Company. No. 116,748; May 22; v. 238; p. 1325.
- Rubber belting and hose. New York Rubber Company. Nos. 119,357-8; Nov. 13; v. 244; p. 560.
- Rubber belting and hose, duck belting and hose. The Cincinnati Rubber Manufacturing Company. No. 114,710; Jan. 2; v. 234; p. 368.
- Rubber belting and hose, duck belting and hose, rubber and asbestos machinery packing, &c. The Cincinnati Rubber Manufacturing Co. Nos. 115,302-3; Feb. 6; v. 235; p. 318.
- Rubber belting and hose, rubber and asbestos machinery packing, asbestos brake-band lining, &c. The Cincinnati Rubber Manufacturing Company. Nos. 114,704-5; Jan. 2; v. 234; p. 368.
- Rubber belting, hose, packing, and tires. The Wirthlin-Mann Company. No. 115,829; Mar. 6; v. 236; p. 280.
- Rubber boots and shoes. The Beacon Falls Rubber Shoe Company. No. 115,431; Feb. 13; v. 235; p. 691.
- Rubber boots and shoes. The Beacon Falls Rubber Shoe Company. No. 118,851; Oct. 9; v. 243; p. 519.
- Rubber boots and shoes. L. Candee & Company. No. 116,939; June 5; v. 239; p. 315.
- Rubber boots and shoes. Goodyear Rubber Company. No. 115,082; Jan. 23; v. 234; p. 1308.
- Rubber boots and shoes. Goodyear Rubber Company. Nos. 119,299-300; Nov. 13; v. 244; p. 558.
- Rubber boots and shoes. Lambertville Rubber Company. No. 115,892; Mar. 20; v. 236; p. 885.
- Rubber boots and shoes. Selz, Schwab & Company. Nos. 119,884-5; Nov. 13; v. 244; p. 561.
- Rubber boots and shoes and fabric shoes having rubber soles. United States Rubber Company. Nos. 117,003-5; June 5; v. 239; p. 317.
- Rubber boots, shoes, and overshoes, rubber-sole canvas shoes. Hood Rubber Company. Nos. 116,640-3; May 15; v. 238; p. 977.
- Rubber boots, shoes, and shoe-packs and rubber shoes with leather tops. The B. F. Goodrich Company. No. 118,173; Aug. 21; v. 241; p. 906.
- Rubber brushes for bottle-washing machines. The S. S. Wenzell Machine Company. No. 117,623; July 17; v. 240; p. 938.
- Rubber cement. United States Rubber Company. No. 118,930; Oct. 9; v. 243; p. 521.
- Rubber-cement and tire-tape. The Mutual Motor Stores Company. No. 118,802; Oct. 2; v. 243; p. 237.
- Rubber composition in sheet form. The Manhattan Rubber Mfg. Co. No. 116,778; May 22; v. 238; p. 1326.
- Rubber compound for electrical purposes. Hard-American Hard Rubber Co. No. 115,718; Mar. 6; v. 236; p. 277.
- Rubber dolls and foot-balls, foot-ball bladders, base-ball chest-protectors. United States Rubber Company. No. 119,408; Nov. 13; v. 244; p. 562.
- Rubber filler and cement, patching and vulcanizing cements, &c. Durkee-Atwood Co. No. 117,535; July 17; v. 240; p. 936.
- Rubber gloves, Household. The Faultless Rubber Co. No. 115,322; Feb. 6; v. 235; p. 318.
- Rubber gloves, Household. The Faultless Rubber Co. No. 118,284; Aug. 28; v. 241; p. 1152.
- Rubber goods. United Drug Company. No. 115,418; Feb. 6; v. 235; p. 321.
- Rubber goods, Certain named. United Drug Company. No. 118,835; Oct. 2; v. 243; p. 238.
- Rubber heels. J. H. Brown. No. 116,880; June 5; v. 239; p. 313.
- Rubber heels. Geo. E. Keith Company. No. 116,063; Apr. 3; v. 237; p. 306.
- Rubber heels. Panther Rubber Manufacturing Company. No. 118,081; Aug. 14; v. 241; p. 618.
- Rubber heels and composition soles. Sears, Roebuck and Co. No. 116,688; May 15; v. 238; p. 978.
- Rubber heels and soles. Beacon Rubber Company. No. 117,813; Aug. 7; v. 241; p. 293.
- Rubber heels for boots and shoes. O'Sullivan Rubber Company. No. 117,778; July 31; v. 240; p. 1446.
- Rubber horseshoes and horseshoe-pads. United States Rubber Company. No. 118,931; Oct. 9; v. 243; p. 521.
- Rubber matting. Standard Woven Fabric Company. No. 116,803; May 22; v. 238; p. 1327.
- Rubber nipples. United Drug Company. No. 116,808; May 22; v. 238; p. 1327.
- Rubber nipples, baby comforters or pacifiers, babies' nursing-bottles. The Stork Company. No. 117,945; Aug. 7; v. 241; p. 297.
- Rubber or rubber compound for making rubber soles for shoes. Sheets of. Quabaug Rubber Company. No. 119,789; Dec. 11; v. 245; p. 550.
- Rubber pails and hat-bags. United States Rubber Company. No. 118,932; Oct. 9; v. 243; p. 521.
- Rubber pedal-covers. Mattson Rubber Company. No. 115,529; Feb. 20; v. 235; p. 1050.
- Rubber-preserving compound, Chemical. Save-O. Co. No. 116,463; May 1; v. 238; p. 307.
- Rubber rings for fruit-jars. Fisher, Bruce & Co. No. 119,685; Dec. 11; v. 245; p. 547.
- Rubber roofing, and is a prepared roofing made of asphalt, rags, &c. Buffalo House Wrecking & Salvage Co. No. 118,462; Sept. 11; v. 242; p. 513.
- Rubber sheeting, matting, and blankets, and fireman's rubber landing-mats. United States Rubber Company. No. 119,835; Dec. 11; v. 245; p. 551.
- Rubber shoe-heels. E. S. Helwitz. No. 118,186; Aug. 21; v. 241; p. 906.
- Rubber soles and heels. Quabaug Rubber Company. No. 116,551; May 8; v. 238; p. 646.
- Rubber sponges. The Faultless Rubber Co. No. 118,283; Aug. 28; v. 241; p. 1152.
- Rubber-stamp outfit and inking-pad combined. M. Tinker. No. 116,474; May 1; v. 238; p. 307.
- Rubber stamps, rubber-type printing outfits, dating and numbering stamps. Fulton Rubber Type Co. No. 119,436; Nov. 20; v. 244; p. 813.
- Rubber substitute, Solid blocks of. F. H. Appleton & Son. No. 119,026; Oct. 23; v. 243; p. 1059.
- Rubbers, Light-weight. Mishawaka Woolen Manufacturing Company. Nos. 116,914-16; June 5; v. 239; p. 314.
- Rubberized air-craft fabrics. United States Rubber Company. No. 117,002; June 5; v. 239; p. 317.
- Rugs, carpets, and mats, Textile. M. A. Peters. No. 118,084; Aug. 14; v. 241; p. 618.
- Rugs, Textile. Model Mills Company. No. 116,672; May 15; v. 238; p. 978.
- Rum. B. Camp y Ca S. En C. No. 119,504; Nov. 27; v. 244; p. 1081.
- Rum. B. Camp y Ca., S. En C. No. 119,651; Dec. 11; v. 245; p. 546.
- Rum. Les fils de P. Bardinet. No. 118,141; Aug. 21; v. 241; p. 905.
- Rum, cognac, anise-seed spirit, fruit-cream liquors. F. del Castillo. No. 117,529; July 17; v. 240; p. 936.
- Rum, High-class. F. del Castillo. No. 117,530; July 17; v. 240; p. 936.
- Rust and scale and carbon removers, Prussian blue, &c. Durkee-Atwood Co. No. 116,046; Apr. 3; v. 237; p. 305.
- Rust-penetrant. Polygon Products Co. No. 118,088; Aug. 14; v. 241; p. 618.
- Rust-preventive or non-electrolytic coating for metals. C. L. Howes. No. 119,314; Nov. 13; v. 244; p. 559.
- Sad-irons. Chattanooga Implement & Manufacturing Co. No. 118,157; Aug. 21; v. 241; p. 905.
- Safes. Art Metal Construction Co. No. 117,090; June 19; v. 239; p. 933.
- Safety-deposit boxes. Art Metal Construction Co. No. 117,092; June 19; v. 239; p. 933.
- Salad and mayonnaise dressings. C. C. Swann. No. 119,005; Oct. 16; v. 243; p. 791.
- Salad-dressing, peanut-butter, mustard, pepper sauce, vinegar. Squibb, Dingee Company. No. 115,408; Feb. 6; v. 235; p. 321.
- Salt, bluing. Astin, Nichols & Co. No. 116,874; June 5; v. 239; p. 313.
- Salt cake for stock, Medicated. I. N. Glover. No. 117,852; Aug. 7; v. 241; p. 294.
- Salt, Effervescent. General Chemical Company. No. 116,426; May 1; v. 238; p. 306.
- Salt, Inorganic-acid. Commonwealth Chemical Corporation. No. 119,667; Dec. 11; v. 245; p. 546.
- Salts, Minted Epsom. C. S. Berry. No. 116,397; May 1; v. 238; p. 305.
- Salt preparations for live stock, Medicated. G. L. Owens. No. 118,568; Sept. 18; v. 242; p. 745.
- Salt, Table. The Anthony Ice & Salt Company. No. 119,488; Nov. 27; v. 244; p. 1081.
- Salt, Table. The Barton Salt Company. No. 119,493; Nov. 27; v. 244; p. 1081.
- Salt used by bakers and confectioners, Inorganic-acid. Commonwealth Chemical Corporation. No. 119,666; Dec. 11; v. 245; p. 546.
- Salve. Hubbard Medical Mfg. Co. No. 119,305; Nov. 13; v. 244; p. 559.
- Salve. V. C. Powers. No. 119,370; Nov. 13; v. 244; p. 561.
- Salve and cough medicine for certain named diseases. R. Geis. No. 116,619; May 15; v. 238; p. 976.
- Salve, Corn-. M. Achfeldt. No. 118,727; Oct. 2; v. 243; p. 235.
- Salve for blood-poisoning, boils, abscesses, &c. Q. Vallaster. No. 117,954; Aug. 7; v. 241; p. 297.
- Salve for boils, carbuncles, &c. B. Kornau. No. 119,548; Nov. 27; v. 244; p. 1083.
- Salve for boils, ulcers, and wounds. W. MacMaster. No. 117,683; July 24; v. 240; p. 1162.
- Salve for burns, scalds, cuts, bruises, lameness, and wounds. Reade Manufacturing Co. No. 116,236; Apr. 17; v. 237; p. 914.
- Salve for catarrh, sore throat, tonsillitis, and croup. J. S. McClanahan. No. 114,998; Jan. 16; v. 234; p. 1041.
- Salve for certain named affections. N. H. Rhoads. No. 117,706; July 24; v. 240; p. 1163.
- Salve for colds, coughs, piles, &c. Thomas Medicine Co. No. 117,379; July 3; v. 240; p. 336.
- Salve for cuts, bruises, boils, &c. L. J. Vredeveld. No. 118,118; Aug. 14; v. 241; p. 619.
- Salve for cuts, bruises, lacerations, and skin and muscular injuries. M. Chejlava. No. 115,490; Feb. 20; v. 235; p. 1049.
- Salve for external use. MacMillan Chemical Co. No. 114,999; Jan. 16; v. 234; p. 1041.
- Salve for piles, boils, abscesses, cuts, &c. G. C. Hlins. No. 115,307; Feb. 6; v. 235; p. 318.

- Salve for tired feet, corns, and chilblains. W. MacMaster. No. 117,684; July 24; v. 240; p. 1162.
- Salve for the treatment of cancers. J. W. Hardy. No. 119,706; Dec. 11; v. 245; p. 547.
- Salve, Nasal. The Noryzon Company. No. 116,547; May 8; v. 238; p. 646.
- Salve or balm for treatment of certain named affections and diseases. F. S. Colwell. No. 119,266; Nov. 13; v. 244; p. 557.
- Salve or ointment, Medical. F. Buss. No. 115,732; Mar. 6; v. 236; p. 277.
- Salve, Pile-. A. J. Miller. No. 119,345; Nov. 13; v. 244; p. 560.
- Salve used as an emollient in treating certain named affections. F. W. S. Elstroth. No. 115,599; Feb. 27; v. 235; p. 1350.
- Salves and ointments for cuts, bruises, burns, and skin diseases. Takamine Laboratory. No. 117,946; Aug. 7; v. 241; p. 297.
- Salves and ointments for sores, bruises, burns, &c. The Elacs Co. No. 118,506; Sept. 18; v. 242; p. 744.
- Salves and pastes for diseases of the skin, external infections, sores, burns, &c. A. H. Busch. No. 118,495; Sept. 18; v. 242; p. 743.
- Salves for certain named skin diseases. R. F. Beauchamp. No. 115,282; Feb. 6; v. 235; p. 317.
- Salves for healing wounds and skin diseases. A. Carson. No. 115,590; Feb. 27; v. 235; p. 1349.
- Salves, liniments, and tablets for certain named affections and diseases. Sonoma Remedy Co. No. 119,921; Dec. 18; v. 245; p. 841.
- Salves used on suppurating sores, boils, contusions, and wounds. J. Sagan. No. 118,816; Oct. 2; v. 243; p. 237.
- Sand, Sand-blast. United States Silica Co. No. 117,383; July 3; v. 240; p. 336.
- Sanitary and sanitary napkins, sanitary aprons, bloomers, &c., Compressed. Perfect Notion Co. No. 115,795; Mar. 6; v. 236; p. 279.
- Sanitary napkins, Ladies'. Duenna Manufacturing Company. No. 118,270; Aug. 28; v. 241; p. 1151.
- Sardellen-butter, salmon caviar, mustard, &c. The Triangle Pure Food Co. No. 119,140; Oct. 23; v. 243; p. 1063.
- Sardines. Bayside Fish Co. No. 119,247; Nov. 13; v. 244; p. 557.
- Sardines in oil, canned fish, preserved fruits, &c. Stroh-meyer & Arpe Company. No. 118,831; Oct. 2; v. 243; p. 238.
- Sarsaparilla, ginger-ale, root and birch beers, grape and loganberry juices. The Tebbetts and Garland Store. No. 117,712; July 24; v. 240; p. 1163.
- Satins in the piece. S. Cramer. No. 115,739; Mar. 6; v. 236; p. 277.
- Sauce, Creole. Alonzo Slack. No. 114,834; Jan. 2; v. 234; p. 372.
- Sauce for meats, fish, chop-suey. S. Ohki. No. 118,217; Aug. 21; v. 241; p. 907.
- Sauce to be used with meats, cutlets, shell-fish, soups, sauces, salads, Table. Y. Kawakami. No. 118,884; Oct. 9; v. 243; p. 520.
- Sauce, Tomato. F. Romeo and Co. No. 114,825; Jan. 2; v. 234; p. 371.
- Saucepan, Metal. The Wagner Manufacturing Company. No. 117,008; June 5; v. 239; p. 317.
- Sauer-kraut and dill pickles. M. A. Gedney Company. No. 118,514; Sept. 18; v. 242; p. 744.
- Sausage, Pork. J. H. Ranson. No. 118,917; Oct. 9; v. 243; p. 521.
- Saws, chisels, hatchets, files, axes, and adzes. Southern Railway Supply and Equipment Co. No. 116,800; May 22; v. 238; p. 1327.
- Scale, Weighing-. L. M. Myers. No. 119,556; Nov. 27; v. 244; p. 1083.
- Scales, Weighing-. John Chatillon & Sons. No. 116,117; Apr. 10; v. 237; p. 617.
- Scales, Weighing-. John Chatillon & Sons. No. 116,401; May 1; v. 238; p. 305.
- Scales, Weighing-. John Chatillon & Sons. Nos. 116,592-4; May 15; v. 238; p. 975.
- Scales, Weighing-. John Chatillon & Sons. No. 116,883; June 5; v. 239; p. 313.
- Scales, weighing-machines, and weight-indicators. The General Automatic Scale Company. No. 119,889; Dec. 18; v. 245; p. 840.
- Scarfs, cravats, and neckties. Wallach Bros. No. 119,146; Oct. 23; v. 243; p. 1063.
- Scarfs for personal wear. A. S. Rosenthal Company. No. 115,466; Feb. 13; v. 235; p. 692.
- Scissors, razors, pocket-knives, steel table-cutlery. U. J. Ulery Co. No. 116,019; Mar. 27; v. 236; p. 1218.
- Scoops, shovels, spades, picks, and hoes. Southern Railway Supply and Equipment Co. No. 118,713; Sept. 25; v. 242; p. 990.
- Scouring, cleaning, and polishing preparation for silver, glassware, and metals. J. D. Jidas Bros. & Co. No. 119,965; Dec. 25; v. 245; p. 1022.
- Scouring-powder. Celluloid Starch Company. No. 117,644; July 24; v. 240; p. 1161.
- Scouring-powders. Celluloid Starch Company. No. 117,109; June 19; v. 239; p. 934.
- Screens and racks, folding and combination. The Beaver Company. Nos. 116,276-8; Apr. 24; v. 237; p. 1213.
- Screens, folding and combination. The Beaver Company. No. 116,199; Apr. 17; v. 237; p. 913.
- Screws, Iron and brass wood-. Muller, Maclean & Co. No. 115,784; Mar. 6; v. 236; p. 279.
- Seal. Signode System. No. 116,862; May 29; v. 238; p. 1636.
- Sealing material for forming joints between pipes having sulfur as a base. R. B. Howell. No. 119,716; Dec. 11; v. 245; p. 548.
- Search-lights, Electric. Williams M'fg Co. No. 115,264; Jan. 30; v. 234; p. 1581.
- Seeds. Alfred J. Brown Seed Co. No. 118,379; Sept. 4; v. 242; p. 249.
- Seeds. America Seedtape Company. No. 114,672; Jan. 2; v. 234; p. 367.
- Seeds. Barkemeyer Grain & Seed Co. No. 119,167; Oct. 30; v. 243; p. 1305.
- Seeds, Field and garden. Ingram Drug Company. No. 119,719; Dec. 11; v. 245; p. 548.
- Separators, churns, milk-pumps, &c., Liquid and turbine. Aktiebolaget Salenius' Werkstader. No. 119,856; Dec. 18; v. 245; p. 839.
- Sewer and the like traps, union sleeves, studs, and quarter-bends, tray legs and brackets. H. C. Nichols. No. 115,859; Mar. 13; v. 236; p. 591.
- Sewing-machines. The Charles William Stores, Inc. No. 118,124; Aug. 14; v. 241; p. 619.
- Sewing-machines. The Charles William Stores, Inc. No. 118,723; Sept. 25; v. 242; p. 990.
- Sewing-machines. Main & Main. No. 118,069; Aug. 14; v. 241; p. 618.
- Sewing-machines and parts thereof. Free Sewing Machine Co. No. 119,066; Oct. 23; v. 243; p. 1060.
- Sewing-machines for stitching leather. E. James. No. 118,041; Aug. 14; v. 241; p. 617.
- Sewing-machines, parts thereof, and attachments. Hexagon Sewing Machine Company. Nos. 117,141-4; June 19; v. 239; p. 935.
- Sewing-machines, parts thereof, and attachments. Hexagon Sewing Machine Company. Nos. 118,661-2; Sept. 25; v. 242; p. 988.
- Shade-cloth. Stewart Hartshorn Co. Nos. 118,102-3; Aug. 14; v. 241; p. 619.
- Shade-cloths of sized and oil-painted fabrics. Interstate Shade Cloth Co. Nos. 119,963-4; Dec. 25; v. 245; p. 1022.
- Shade-cloths of sized and oil-painted fabrics, Window-. The Estate of George Pabst, Dec'd. Nos. 116,447-8; May 1; v. 238; pp. 306-7.
- Shade-fittings, Metal. Ordinator Company. No. 118,805; Oct. 2; v. 243; p. 237.
- Shades and screens made principally but not wholly of glass, Light. T. G. Allen. No. 116,932; June 5; v. 239; p. 314.
- Shaft-couplings. F. R. Blair & Co. No. 119,871; Dec. 18; v. 245; p. 839.
- Shampoo, Lemon. Citrus Fruit Juice Co. No. 114,711; Jan. 2; v. 234; p. 368.
- Shampoo, Liquid. E. W. Youngken. No. 118,128; Aug. 14; v. 241; p. 620.
- Shampoo powder and liquid, pile-ointment. H. E. Zutz. No. 117,397; July 3; v. 240; p. 336.
- Shampoo preparation. J. J. Wittwer, Sr. No. 118,456; Sept. 4; v. 242; p. 251.
- Shampoos. Paris Fashion Company. No. 118,218; Aug. 21; v. 241; p. 907.
- Shampoos and corn remedies. M. Kaplan. No. 115,346; Feb. 6; v. 235; p. 319.
- Shampooing apparatus. W. Faerber. No. 115,321; Feb. 6; v. 235; p. 318.
- Sheetings, sheets, and pillow-cases. Carleton Dry Goods Co. No. 114,940; Jan. 16; v. 234; p. 1039.
- Sheets and pillow-cases. R. H. Macy & Co. No. 116,910; June 5; v. 239; p. 314.
- Sheets and pillow-cases. Naumkeag Steam Cotton Co. No. 118,910; Oct. 9; v. 243; p. 521.
- Sheets, pillow cases, and tubing. Carson, Pirie, Scott & Co. No. 119,170; Oct. 30; v. 243; p. 1305.
- Shingles, laths, sawed and planed lumber and timbers. Great Southern Lumber Company. No. 119,188; Oct. 30; v. 243; p. 1306.
- Shirt-waists for women. Bloom & Millman. No. 117,095; June 19; v. 239; p. 933.
- Shirt-waists, Ladies'. Sternfeld and Polin. No. 116,990; June 5; v. 239; p. 316.
- Shirts. Brownstein-Louis Company. No. 115,587; Feb. 27; v. 235; p. 1349.
- Shirts and blouses, Negligée. Master Shirt and Blouse Company. No. 119,097; Oct. 23; v. 243; p. 1061.
- Shirts and men's athletic underwear of textile material. Joseph Fels Company. No. 115,499; Feb. 20; v. 235; p. 1050.
- Shirts, collars, cuffs, pajamas, kimonos, Dress and negligée. Yamatoya Shirt Co. No. 118,368; Aug. 28; v. 241; p. 1154.
- Shirts, Custom top dress, negligée, and work. Charles E. Shedaker & Sons. No. 118,707; Sept. 25; v. 242; p. 990.
- Shirts, drawers, and union-suits, both knit and textile. Robert Rels & Co. No. 117,358; July 3; v. 240; p. 335.
- Shirts, Dress and negligée. A. Bernstein. No. 118,947; Oct. 16; v. 243; p. 789.
- Shirts, Dress, negligée, and work. C. M. Flora. No. 117,250; June 26; v. 239; p. 1205.
- Shirts, Dress, negligée, work, and under-. Brownstein-Louis Company. No. 115,877; Mar. 20; v. 236; p. 885.

Alphabetical list of trade-marks—Continued.

- Shirts, gowns, pajamas, and garments for night-wear. M. E. Smith & Co. No. 119,389; Nov. 13; v. 244; p. 561.
- Shirts, including dress, negligée, and work shirts, Outer. B. A. Hackner. No. 118,522; Sept. 18; v. 242; p. 744.
- Shirts, Men's and boys'. Elder Manufacturing Co. No. 116,418; May 1; v. 238; p. 306.
- Shirts, Men's dress and negligée. C. L. Levi. No. 114,992; Jan. 16; v. 234; p. 1041.
- Shirts, Negligée, work, and under. Elder Manufacturing Company. No. 114,875; Jan. 9; v. 234; p. 667.
- Shirts, Negligée, work, and under. Elder Manufacturing Co. No. 116,891; June 5; v. 239; p. 313.
- Shirts, overalls, jumpers, rompers, work, negligée, and under. Edson Moore & Company. No. 115,441; Feb. 13; v. 235; p. 691.
- Shirts, pajamas, nightgowns, underwear. Brownstein-Louis Company. No. 115,294; Feb. 6; v. 235; p. 318.
- Shirts, undershirts, overalls, jumpers, rompers, Work and negligée. Edson Moore & Company. No. 114,874; Jan. 9; v. 234; p. 667.
- Shirts, Work-. A. P. Eigenmann. No. 116,509; May 8; v. 238; p. 645.
- Shirts, Work-. Joseph Fels Company. No. 114,734; Jan. 2; v. 234; p. 369.
- Shirts, Work-. Reliance Manufacturing Company. No. 115,023; Jan. 16; v. 234; p. 1042.
- Shirtings, all-wool flannels and worsteds, Silk. R. H. Linton. No. 115,776; Mar. 6; v. 236; p. 278.
- Shirtings in the piece, Cotton. Everett Mills. No. 115,319; Feb. 6; v. 235; p. 318.
- Shock-absorbers. The H. & D. Company. No. 115,330; Feb. 6; v. 235; p. 319.
- Shock-absorbers. The H. & D. Company. No. 115,509; Feb. 20; v. 235; p. 1050.
- Shoe cleaner, polish, and dressing, Liquid. C. A. Zoes. No. 116,024; Mar. 27; v. 236; p. 1218.
- Shoe cleaning paste, Canvas and leather. Hart Sales Company. No. 115,610; Feb. 27; v. 235; p. 1350.
- Shoe-cloth. H. Gitterman & Co. No. 118,288; Aug. 28; v. 241; p. 1152.
- Shoe-cloth. H. Gitterman & Co. No. 118,873; Oct. 9; v. 243; p. 520.
- Shoe-cloth. Helburn Leather Company. No. 116,899; June 5; v. 239; p. 313.
- Shoe-dressing. J. I. Leist. No. 116,331; Apr. 24; v. 237; p. 1215.
- Shoe-dressing for white shoes. Sacks & Clyman. No. 115,228; Jan. 30; v. 234; p. 1579.
- Shoe dressing, White-leather-. The Sunrise Shoe Polish Company. No. 115,688; Feb. 27; v. 235; p. 1352.
- Shoe-heels. Rochester Heel Company. No. 115,465; Feb. 13; v. 235; p. 692.
- Shoe-heels. A. L. Runyan. No. 119,576; Nov. 27; v. 244; p. 1084.
- Shoe-insoles, Material for use in the manufacture of. Armstrong Cork Company. No. 119,162; Oct. 30; v. 243; p. 1305.
- Shoe-polish. W. A. Elliott. No. 116,419; May 1; v. 238; p. 306.
- Shoe-polish. A. C. Erickson. No. 115,175; Jan. 30; v. 234; p. 1578.
- Shoe-polish. Tube Brush Co. No. 116,254; Apr. 17; v. 237; p. 914.
- Shoe-polish pastes. Fulton Shoe Polish Company. No. 117,133; June 19; v. 239; p. 934.
- Shoe-polishes. Fulton Shoe Polish Co. No. 114,503; Feb. 20; v. 236; p. 1050.
- Shoe-polishing preparation. D. H. Boykin. No. 115,934; Mar. 27; v. 236; p. 1215.
- Shoe sole and heel edge stain. The Goodyear Tire & Rubber Company. No. 118,655; Sept. 25; v. 242; p. 988.
- Shoe-stretchers. A. E. Block. No. 115,481; Feb. 20; v. 235; p. 1049.
- Shoe strings and lacings, tapes, galloons. Cordo-Hyde Company. No. 116,945; June 5; v. 239; p. 315.
- Shoes and rubber overshoes. Batterman Rubber Company. No. 118,850; Oct. 9; v. 243; p. 519.
- Shoes and sandals made from leather and fabric. Hagers-town Shoe & Legging Co. No. 118,876; Oct. 9; v. 243; p. 520.
- Shoes, Baby or infant. The Swan Shoe Company. No. 115,467; Feb. 13; v. 235; p. 692.
- Shoes, Bathing and gymnasium. The Milbury Atlantic Mfg. Co. No. 116,669; May 15; v. 238; p. 978.
- Shoes, boots, and rubbers made of leather, rubber, and canvas. J. G. Tavares. No. 119,398; Nov. 13; v. 244; p. 561.
- Shoes from slipping up and down on the heel when in wear. Devices for preventing. Phillips Patents. No. 118,915; Oct. 9; v. 243; p. 521.
- Shoes, Innersoling for. Armstrong Cork Company. No. 116,744; May 22; v. 238; p. 1325.
- Shoes, Ladies' leather. L. Spitz. No. 116,246; Apr. 17; v. 237; p. 914.
- Shoes, Leather. Craddock-Terry Company. No. 116,946; June 5; v. 239; p. 315.
- Shoes, Leather. Craddock-Terry Company. No. 118,279; Aug. 28; v. 241; p. 1151.
- Shoes, Leather. Devine & Yungel Shoe Mfg. Co. No. 116,124; Apr. 10; v. 237; p. 617.
- Shoes, Leather. John Meier Shoe Company. No. 119,747; Dec. 11; v. 245; p. 549.
- Shoes, Leather. Lange & Janke Mfg. Co. No. 115,452; Feb. 13; v. 235; p. 691.
- Shoes, Leather. Marshall Field & Company. No. 119,905; Dec. 18; v. 245; p. 840.
- Shoes, Leather. Samuels Shoe Company. No. 115,811; Mar. 6; v. 236; p. 280.
- Shoes, Leather. Sears, Roebuck and Co. No. 115,902; Mar. 20; v. 236; p. 886.
- Shoes, Leather. Sears, Roebuck and Co. No. 116,559; May 8; v. 238; p. 647.
- Shoes, Leather and cloth. Boyd-Welsh Shoe Company. No. 116,736; May 22; v. 238; p. 1325.
- Shoes, Leather, canvas, and fabric. The Excelsior Shoe Company. No. 117,751; July 31; v. 240; p. 1445.
- Shoes, Leather, rubber, and canvas. Mrs. A. R. King, Incorporated. No. 117,880; Aug. 7; v. 241; p. 295.
- Shoes, Leather, rubber, and canvas. J. P. Schnellbacher. No. 119,801; Dec. 11; v. 245; p. 550.
- Shoes made of certain named materials. Brokaw Brothers. No. 115,290; Feb. 6; v. 235; p. 317.
- Shoes made of leather, canvas, rubber, cloth, and other fabrics. Churchill & Alden Co. No. 117,519; July 17; v. 240; p. 935.
- Shoes made of leather, Men's, boys', and youths'. Bradley & Metcalf Co. No. 117,243; June 26; v. 239; p. 1205.
- Shoes, Men's leather. Brown Shoe Company. No. 118,857; Oct. 9; v. 243; p. 519.
- Shoes, Men's leather. Sears, Roebuck and Co. Nos. 115,673-5; Feb. 27; v. 235; p. 1352.
- Shoes, Men's, women's, and children's leather. Sears, Roebuck and Co. No. 115,672; Feb. 27; v. 235; p. 1352.
- Shoes, outing-shoes, and soles, Canvas and cloth top. Apsley Rubber Co. No. 119,860; Dec. 18; v. 245; p. 839.
- Shoes, Women's leather and canvas. J. Millar. No. 118,904; Oct. 9; v. 243; p. 521.
- Shortening. Interstate Cotton Oil Refining Co. No. 117,150; June 19; v. 239; p. 935.
- Shortening. Interstate Cotton Oil Refining Co. No. 118,783; Oct. 2; v. 243; p. 236.
- Shortening composed of cotton-seed oil and oleo-stearin. Armstrong Packing Company. No. 118,485; Sept. 18; v. 242; p. 743.
- Shortening composed of cotton-seed oil and oleo-stearin. Interstate Cotton Oil Refining Co. No. 117,868; Aug. 7; v. 241; p. 295.
- Shortening composed of cotton-seed oil and stearin. W. S. Forbes & Company. No. 119,955; Dec. 25; v. 245; p. 1021.
- Shovels, spades, and scoops. Ames Shovel & Tool Company. Nos. 114,673-4; Jan. 12; v. 234; p. 367.
- Shovels, spades, and scoops. The Wyoming Shovel Works. No. 118,726; Sept. 25; v. 242; p. 990.
- Shovels, spades, handles for shovels, spades, and agricultural forks. The Steel Basket Company. No. 116,469; May 1; v. 238; p. 307.
- Shower-heads. Speakman Supply & Pipe Company. No. 115,407; Feb. 6; v. 235; p. 321.
- Shuttles for looms, Self-threading. H. W. Hakes. No. 116,057; Apr. 3; v. 237; p. 306.
- Signaling devices, Electric sound-producing. Benjamin Electric Manufacturing Company. No. 117,981; Aug. 14; v. 241; p. 615.
- Signaling devices for motor-vehicles, Electric. The Flaray Signal Co. No. 119,064; Oct. 23; v. 243; p. 1060.
- Signs, Advertising-. B. & B. Sign Co. No. 118,259; Aug. 28; v. 241; p. 1151.
- Signs, Electric. American Advertising Association. No. 116,872; June 5; v. 239; p. 313.
- Silk and cotton and silk piece goods. Reiling & Schoen. No. 118,918; Oct. 9; v. 243; p. 521.
- Silk and cotton fabric in the piece. New Hampton Mills. No. 116,232; Apr. 17; v. 237; p. 914.
- Silk and crape piece goods, Woven and knitted. H. R. Mallinson & Co. No. 116,073; Apr. 3; v. 237; p. 306.
- Silk and silk-mixed goods in the piece. Dundee Textile Co. No. 118,960; Oct. 16; v. 243; p. 789.
- Silk and velvet piece goods. Acorn Silk Co. Nos. 115,267-8; Feb. 6; v. 235; p. 317.
- Silk, Broad. Berfelden Mills. No. 117,406; July 10; v. 240; p. 635.
- Silk, Broad. Follmer, Clogg & Co. No. 118,023; Aug. 14; v. 241; p. 616.
- Silk cloth in the piece, both knitted and textile. Schuyl-kill Silk Mills. No. 116,985; June 5; v. 239; p. 316.
- Silk fabrics. M. Heminway & Sons Silk Co. No. 118,879; Oct. 9; v. 243; p. 520.
- Silk fabrics in the piece. The Brainerd and Armstrong Company. No. 117,410; July 10; v. 240; p. 635.
- Silk in the piece, Broad. J. A. Migel. No. 115,206; Jan. 30; v. 234; p. 1579.
- Silk in the piece, Broad. Schwarzenbach-Huber Company. No. 118,337; Aug. 28; v. 241; p. 1153.
- Silk negligées and dressing-sacks, silk envelop-chemise, combination-suits, petticoats, &c., Ladies'. B. Cohen & Co. No. 116,120; Apr. 10; v. 237; p. 617.
- Silk piece goods. Bentley & Twohey Silk Co. No. 116,937; June 5; v. 239; p. 315.
- Silk piece goods. Bentley & Twohey Silk Co. No. 118,261; Aug. 28; v. 241; p. 1151.
- Silk piece goods. Berfelden Mills. No. 118,946; Oct. 16; v. 243; p. 789.

- Silk piece goods. Egypt Silk Mills Corporation. No. 118,464; Sept. 11; v. 242; p. 513.
- Silk piece goods. Empire Silk Co. Nos. 118,962-3; Oct. 16; v. 243; p. 789.
- Silk piece goods. N. Erlanger, Blumgart & Co. Nos. 117,749-50; July 31; v. 240; p. 1445.
- Silk piece goods. M. Heminway & Sons Silk Co. No. 117,441; July 10; v. 240; p. 636.
- Silk piece goods. H. R. Mallinson & Co. No. 115,779; Mar. 6; v. 236; p. 279.
- Silk piece goods. H. R. Mallinson & Co. Nos. 115,856-7; Mar. 13; v. 236; p. 591.
- Silk piece goods. H. R. Mallinson & Co. No. 116,149; Apr. 10; v. 237; p. 618.
- Silk piece goods. H. R. Mallinson & Co. No. 118,896; Oct. 9; v. 243; p. 520.
- Silk piece goods. H. R. Mallinson & Co. No. 119,340; Nov. 13; v. 244; p. 560.
- Silk piece goods. Nonotuck Silk Company. No. 118,912; Oct. 9; v. 243; p. 521.
- Silk piece goods. Pennsylvania Textile Company. No. 115,864; Mar. 13; v. 236; p. 592.
- Silk piece goods. L. Roessel & Co. No. 119,983; Dec. 25; v. 245; p. 1022.
- Silk piece goods. R. & H. Simon Company. No. 115,679; Feb. 27; v. 235; p. 1352.
- Silk piece goods. R. & H. Simon Company. No. 116,162; Apr. 10; v. 237; p. 618.
- Silk piece goods. D. Valentine. No. 117,797; July 31; v. 240; p. 1447.
- Silk piece goods and ribbons. Smith & Kaufmann. No. 117,066; June 12; v. 239; p. 652.
- Silk piece goods, silk and cotton fabrics, cotton piece goods and handkerchiefs. A. S. Rosenthal Company. No. 115,809; Mar. 6; v. 236; p. 279.
- Silks and silk jersey-cloth known as piece goods, Dress, lining, and clothiers'. S. Blum & Bros. No. 117,409; July 10; v. 240; p. 635.
- Silks in the piece. K. H. Macy & Co. No. 116,911; June 5; v. 239; p. 314.
- Silks in the piece. T. J. Mitchell & Co. No. 118,211; Aug. 21; v. 241; p. 907.
- Silver or plated electrically with precious metals. Certain named articles made of sterling. W. Suckling & Sons. No. 118,348; Aug. 28; v. 241; p. 1153.
- Silver-plated flat and hollow ware and cutlery. Wm. A. Rogers, Limited. No. 115,395; Feb. 6; v. 235; p. 321.
- Silver-polish. Boston Electro Cleaner Co. No. 115,933; Mar. 27; v. 236; p. 1215.
- Silver-polish. F. Piner. No. 116,920; June 5; v. 239; p. 314.
- Size adapted for covering walls, ceilings, &c., Wall-paper. The Cott-a-lap Company. No. 116,825; May 29; v. 238; p. 1636.
- Skates and parts thereof, Ice-. E. Hunold. No. 116,645; May 15; v. 238; p. 977.
- Skin irritations, sun and wind burn, poison-oak, cuts, &c. Olivoint Chemical Company. No. 118,566; Sept. 18; v. 242; p. 745.
- Skins and furs. J. Hollander & Co. No. 117,665; July 24; v. 240; p. 1162.
- Skins, Dyed animal-. Reliable Fur Dressing & Dyeing Co. No. 117,469; July 10; v. 240; p. 637.
- Skins, Finished cabareita-. Maurice B. Alter Co. No. 119,239; Nov. 13; v. 244; p. 557.
- Skirts. L. H. Teller and Company. No. 117,792; July 31; v. 240; p. 1447.
- Skirts, Ladies' and children's. Fan Tan Dress Co. No. 117,303; July 3; v. 240; p. 333.
- Skirts, Outer. Carl Bonwit, Inc. No. 117,738; July 31; v. 240; p. 1445.
- Skirts, Outer. M. Markun. No. 117,769; July 31; v. 240; p. 1446.
- Skirts, suits, coats, Ladies'. Bernstein, Baum, Cravis & Company. No. 114,866; Jan. 9; v. 234; p. 667.
- Skylights. E. Van Noorden & Co. No. 116,020; Mar. 27; v. 236; p. 1218.
- Slate for use as a surfacing-grit for prepared roofings, Crushed. Staso Laminated Slate Company. No. 118,444; Sept. 4; v. 242; p. 251.
- Slate, Roofing-. H. H. Mathews. No. 117,177; June 19; v. 239; p. 936.
- Snap and placket fasteners. Walde & Company of New Jersey. No. 118,359; Aug. 28; v. 241; p. 1154.
- Snap and placket fasteners. Walde & Company of New Jersey. No. 118,599; Sept. 18; v. 242; p. 746.
- Snap-buttons used as garment-fasteners. Walde & Co. No. 117,385; July 3; v. 240; p. 336.
- Snap-buttons used as garment-fasteners. Walde & Co. No. 117,492; July 10; v. 240; p. 637.
- Snap-fasteners. V. Anzelewitz. No. 119,938; Dec. 25; v. 245; p. 1021.
- Snap-fasteners. Autoyre Co. No. 119,422; Nov. 20; v. 244; p. 813.
- Snap-fasteners. Keystone Snap Fastener Corporation. Nos. 117,878-9; Aug. 7; v. 241; p. 295.
- Snap-fasteners. Robert Treat Manufacturing Company. No. 119,139; Oct. 23; v. 243; p. 1062.
- Snap-fasteners. Samstag & Hilder Bros. Nos. 119,471-2; Nov. 20; v. 244; p. 814.
- Snap-fasteners. Vulcanite Manufacturing Co. No. 117,231; June 19; v. 239; p. 937.
- Snap-fasteners. Vulcanite Manufacturing Co. No. 119,145; Oct. 23; v. 243; p. 1063.
- Snap-fasteners. Walde & Company of New Jersey. No. 118,360; Aug. 28; v. 241; p. 1154.
- Snap-fasteners of all kinds. Walde & Co. No. 118,450; Sept. 4; v. 242; p. 251.
- Snap-fasteners or snap-fastening buttons or clasps, Metal. Hero Snap Fastener Company. No. 116,635; May 15; v. 238; p. 977.
- Snap-fasteners, safety-pins, &c. Mills & Gibb Corporation. No. 119,977; Dec. 25; v. 245; p. 1022.
- Snap-fasteners, snap-fastening or push buttons, Metal. Hero Snap Fastener Co. No. 119,449; Nov. 20; v. 244; p. 814.
- Soap. Bamacea Company. No. 119,635; Dec. 11; v. 245; p. 545.
- Soap. A. Bourjois & Co. No. 116,282; Apr. 24; v. 237; p. 1213.
- Soap. A. Bourjois & Co. No. 116,879; June 5; v. 239; p. 313.
- Soap. Interstate Cotton Oil Refining Co. No. 117,332; July 3; v. 240; p. 334.
- Soap. James S. Kirk & Company. No. 118,202; Aug. 21; v. 241; p. 907.
- Soap. James S. Kirk and Company. No. 118,300; Aug. 28; v. 241; p. 1152.
- Soap. John T. Stanley Co. No. 118,827; Oct. 2; v. 243; p. 238.
- Soap. Kellogg Toasted Corn Flake Co. Nos. 118,668-9; Sept. 25; v. 242; p. 988.
- Soap. G. C. Krusen & Son. No. 119,329; Nov. 13; v. 244; p. 559.
- Soap. Lutz Bros. & Co. No. 115,973; Mar. 27; v. 236; p. 1217.
- Soap. Lutz Bros. & Co. No. 117,339; July 3; v. 240; p. 334.
- Soap. J. V. Meyer. No. 117,345; July 3; v. 240; p. 335.
- Soap. Feet Bros. Mfg. Co. No. 117,196; June 19; v. 239; p. 936.
- Soap. Royal Palm Soap Co. No. 115,112; Jan. 23; v. 234; p. 1309.
- Soap. Rub-No-More Co. No. 117,266; June 26; v. 239; p. 1206.
- Soap. Standard Polish Company. No. 115,409; Feb. 6; v. 235; p. 321.
- Soap. Swift and Company. No. 119,994; Dec. 25; v. 245; p. 1022.
- Soap. F. Turner. No. 116,168; Apr. 10; v. 237; p. 618.
- Soap. West Coast Soap Company. No. 117,960; Aug. 7; v. 241; p. 297.
- Soap, and more particularly powdered soap. S. B. Penick & Company. No. 117,589; July 17; v. 240; p. 937.
- Soap and soap and washing powders. The Globe Soap Company. No. 117,311; July 3; v. 240; p. 334.
- Soap, Castile-. L. E. Schoenfeld. No. 119,802; Dec. 11; v. 245; p. 550.
- Soap compound. The Bon Aurora Manufacturing & Machine Company. No. 118,746; Oct. 2; v. 243; p. 235.
- Soap-dispensers. Interstate Chemical Company. No. 119,081; Oct. 23; v. 243; p. 1061.
- Soap. Foot-. Scholl Manufacturing Company. No. 115,232; Jan. 30; v. 234; p. 1580.
- Soap for removing spots. H. J. Kohl. No. 117,672; July 24; v. 240; p. 1162.
- Soap having in solution a pure soluble iodine. Medicinal. L. C. Wedgefuth. No. 116,260; Apr. 17; v. 237; p. 915.
- Soap, Kitchen and laundry. Newell & Bro. No. 117,696; July 24; v. 240; p. 1163.
- Soap, Laundry. Interstate Cotton Oil Refining Co. No. 119,962; Dec. 25; v. 245; p. 1022.
- Soap, Liquid. Bristol-Myers Company. No. 115,935; Mar. 27; v. 236; p. 1215.
- Soap made in part by the use of cochineal or cocoanut oil, Cakes of. Edgar Roberts Manufacturing Company. No. 116,460; May 1; v. 238; p. 307.
- Soap, Medicated. The Sydney Ross Co. No. 118,239; Aug. 21; v. 241; p. 908.
- Soap powder. B. T. Babbitt. No. 118,615; Sept. 25; v. 242; p. 987.
- Soap powder. Canadian Economic Lubricant Company. No. 117,516; July 17; v. 240; p. 935.
- Soap. Powdered shaving-. B. H. Turecan & Co. No. 119,828; Dec. 11; v. 245; p. 551.
- Soap, Purely vegetable. W. H. Morley. No. 119,346; Nov. 13; v. 244; p. 560.
- Soap, Scouring-. Domestic Soap Mfg. Co. No. 118,165; Aug. 21; v. 241; p. 906.
- Soap, Scouring-. The Holbrook Mfg. Co. No. 117,256; June 26; v. 239; p. 1205.
- Soap, Scouring-. Newell & Bro. No. 117,695; July 24; v. 240; p. 1163.
- Soap, Scouring-. Newell & Bro. No. 117,697; July 24; v. 240; p. 1163.
- Soap, Soft. International Soap & Manufacturing Co. No. 118,666; Sept. 25; v. 242; p. 988.
- Soap, (solid and liquid). Richard Hudnut. No. 117,326; July 3; v. 240; p. 334.
- Soap, Toilet. The Gordon-Thorne Co. No. 117,544; July 17; v. 240; p. 936.
- Soap, Toilet. John T. Stanley Co. No. 118,233; Aug. 21; v. 241; p. 908.
- Soaps. Barclay & Barclay. No. 115,578; Feb. 27; v. 235; p. 1349.

Alphabetical list of trade-marks—Continued.

- Soaps. Colgate & Co. No. 118,627; Sept. 25; v. 242; p. 987.
- Soaps. Colgate & Co. No. 119,509; Nov. 27; v. 244; p. 1081.
- Soaps. Interstate Chemical Company. No. 118,193; Aug. 21; v. 241; p. 907.
- Soaps, Foot-. Scholl Manufacturing Company. No. 116,245; Apr. 17; v. 237; p. 914.
- Soaps, powdered cleanser, washing-powder. All-Package Grocery Stores Co. No. 118,730; Oct. 2; v. 243; p. 235.
- Soaps, Shaving and toilet. The J. B. Williams Company. No. 115,131; Jan. 23; v. 234; p. 1309.
- Soaps, shaving powder and cream. The Remiller Co. No. 119,981; Dec. 25; v. 245; p. 1022.
- Soaps, Toilet. The Armand Company. No. 117,631; July 24; v. 240; p. 1161.
- Soaps, Toilet. International Drug Company. No. 117,328; July 3; v. 240; p. 334.
- Soaps, Toilet. G. E. Sawyer. No. 119,987; Dec. 25; v. 245; p. 1022.
- Soaps, Toilet, laundry, powdered, and liquid. Crystal Soap Company. No. 118,955; Oct. 16; v. 243; p. 789.
- Soaps, washing powder and tablets, silver-polish, Toilet, &c. Union Pacific Tea Company. No. 116,806; May 22; v. 238; p. 1327.
- Soaps, washing-powders, cleansers, and metal-polish. The Tebbetts & Garland Store. No. 116,472; May 1; v. 238; p. 307.
- Soapstone, Powdered. United States Rubber Company. No. 119,009; Oct. 16; v. 243; p. 791.
- Soda and potash, manganate of soda, &c., Caustic. The United Alkali Company. No. 117,951; Aug. 7; v. 241; p. 297.
- Soda-ash, caustic soda, chlorate of potash, bichromate of soda. B. Brown & Bro. No. 116,502; May 8; v. 238; p. 645.
- Soda, Caustic. Burgess Sulphite Fibre Co. No. 118,494; Sept. 18; v. 242; p. 743.
- Soda mints. Kellogg Toasted Corn Flake Company. No. 115,622; Feb. 27; v. 235; p. 1350.
- Soda-water. H. Plenge. No. 118,087; Aug. 14; v. 241; p. 618.
- Sodium silicate. Philadelphia Quartz Company. No. 116,549; May 8; v. 238; p. 646.
- Sodium silicate. Philadelphia Quartz Company. No. 118,571; Sept. 18; v. 242; p. 745.
- Soil corrective and fertilizer. Ash Grove Lime & Portland Cement Co. No. 118,460; Sept. 11; v. 242; p. 513.
- Solder, Cold. Freiden Mfg. Co. No. 119,524; Nov. 27; v. 244; p. 1082.
- Solder-strips. I. Stern & Co. No. 119,131; Oct. 23; v. 243; p. 1062.
- Solders, Platinum, gold, and silver. National Smelting & Refining Corporation. No. 117,263; June 26; v. 239; p. 1206.
- Soldering compound. A. J. Nye. No. 115,791; Mar. 6; v. 236; p. 279.
- Soldering fluid. L. E. Rothlein. No. 117,923; Aug. 7; v. 241; p. 296.
- Sole-strips. N. R. Allen's Sons Company. No. 117,729; July 31; v. 240; p. 1445.
- Soles used on rubber and woolen footwear, Composition. Mishawaka Woolen Manufacturing Company. No. 116,917; June 5; v. 239; p. 314.
- Solvent and thinner. Standard Oil Company. Nos. 119,922-4; Dec. 18; v. 245; p. 841.
- Sound-deadener made of vegetable fibers, Composite. Union Fibre Company. No. 118,477; Sept. 11; v. 242; p. 513.
- Sound-records and sound-record blanks. Thomas A. Edison, Incorporated. No. 115,171; Jan. 30; v. 234; p. 1578.
- Sound-reproducers and phonographs. Mills Novelty Company. No. 118,314; Aug. 28; v. 241; p. 1152.
- Soup and purée, &c., Concentrated vegetable. A. F. P. Du Pont. No. 119,951; Dec. 25; v. 245; p. 1021.
- Soup and purée tablets and packages, &c., Concentrated vegetable. A. F. P. Du Pont. No. 119,060; Oct. 23; v. 234; p. 1060.
- Soups. American Health Soup Co. No. 115,049; Jan. 23; v. 234; p. 1307.
- Sowers and manure-spreaders, Lime and fertilizer. Kentucky Wagon Manufacturing Co. No. 115,623; Feb. 27; v. 235; p. 1350.
- Spaghetti, apple-butter, mince-meat, marmalades. Glencrest Food Co. No. 116,517; May 8; v. 238; p. 645.
- Spark and priming plugs. E. A. Bowman Co. No. 116,584; May 15; v. 238; p. 975.
- Spark-plug spark-gaps. Jubilee Manufacturing Company. No. 117,564; July 17; v. 240; p. 937.
- Spark-plugs. Efficiency Motor-Device Corporation. No. 116,207; Apr. 17; v. 237; p. 913.
- Spark-plugs. Emil Grossman Manufacturing Corporation. No. 116,758; May 22; v. 238; p. 1325.
- Spark-plugs. Emil Grossman Manufacturing Corporation. No. 116,843; May 29; v. 238; p. 1636.
- Spark-plugs. A. R. Mosler & Co. No. 115,208; Jan. 30; v. 234; p. 1579.
- Spark-plugs. The Reflex Ignition Co. No. 115,805; Mar. 6; v. 236; p. 279.
- Spark-plugs. Stewart-Warner Speedometer Corporation. No. 115,249; Jan. 30; v. 234; p. 1580.
- Spark-plugs. Stewart-Warner Speedometer Corporation. No. 117,216; June 19; v. 239; p. 937.
- Spark-plugs and spark-plug porcelains. Champion Ignition Co. No. 115,160; Jan. 30; v. 234; p. 1577.
- Spark-plugs, Electric. Splittorf Electrical Company. No. 115,548; Feb. 20; v. 235; p. 1051.
- Specific, Diphtheria. S. C. Mathis. No. 116,536; May 8; v. 238; p. 646.
- Specific for certain named affections. Mrs. Jno. J. Medlin. No. 118,208; Aug. 21; v. 241; p. 907.
- Spectacles. The Stenopaic Optical Co. No. 115,550; Feb. 20; v. 235; p. 1051.
- Spectacles, eyeglasses, magnifiers, and ophthalmic goods generally, Cases for. American Optical Company. No. 119,021; Oct. 23; v. 243; p. 1059.
- Spelter or zinc. Anaconda Copper Mining Company. No. 115,138; Jan. 30; v. 234; p. 1577.
- Spelter, sheet-zinc, zinc oxid, copper ingots. Illinois Zinc Company. No. 118,299; Aug. 28; v. 241; p. 1152.
- Spices, Whole and ground. William Schotten Coffee Company. No. 118,336; Aug. 28; v. 241; p. 1153.
- Splicing wire cables, &c., Pulling implement for use in. W. P. Walsh. No. 118,119; Aug. 14; v. 241; p. 619.
- Sporting goods, Certain named. Hillerich & Bradshy Company. No. 116,637; May 15; v. 238; p. 977.
- Spraying apparatus. The E. C. Brown Co. No. 117,992; Aug. 14; v. 241; p. 615.
- Squabs. G. W. Helme. No. 117,860; Aug. 7; v. 241; p. 294.
- Stains and fillers, varnishes, enamels, and paints, Wood. Pratt & Lambert. No. 115,999; Mar. 27; v. 236; p. 1217.
- Stage-settings, scenery, and theatrical properties. Siedle Studios. No. 118,229; Aug. 21; v. 241; p. 908.
- Stamp-vending machines. American Banking Machine Corporation. No. 117,969; Aug. 14; v. 241; p. 615.
- Stamps, Hand-. Hill-Independent Mfg. Co. Nos. 119,077-8; Oct. 23; v. 243; p. 1061.
- Stamps, Trading-. The Moneyback Corporation. No. 115,652; Feb. 27; v. 235; p. 1351.
- Statuettes and ornamental heads and figures adapted to be applied to any article of manufacture. George Borgfeldt & Co. No. 115,932; Mar. 27; v. 236; p. 1215.
- Staying and fastening material. M. D. Knowlton Company. No. 116,653; May 15; v. 238; p. 977.
- Staying-machines. M. D. Knowlton Company. Nos. 114,977-87; Jan. 16; v. 234; p. 1041.
- Steam-condenser tubes and pipes of seamless drawn brass. Wheeler Condenser and Engineering Co. No. 118,249; Aug. 21; v. 241; p. 908.
- Steam generators and radiators. Bayley Manufacturing Company. No. 118,743; Oct. 2; v. 243; p. 235.
- Steam regulating devices, Pumps, engines, and certain named. Mason Regulator Company. No. 115,002; Jan. 16; v. 234; p. 1041.
- Steam-traps for heating apparatus, feed-water controllers for steam-boilers, &c. The C. E. Squires Co. No. 115,867; Mar. 13; v. 236; p. 592.
- Steel. L. C. Blancke Co. No. 117,513; July 17; v. 240; p. 935.
- Steel. L. C. Blancke Co. No. 117,983; Aug. 14; v. 241; p. 615.
- Steel. Colonial Steel Company. No. 117,111; June 19; v. 239; p. 934.
- Steel. Latrobe Electric Steel Company. No. 119,089; Oct. 23; v. 243; p. 1061.
- Steel. Onondaga Steel Company. No. 117,194; June 19; v. 239; p. 936.
- Steel and brass dies. Keller Mechanical Engraving Company. No. 116,064; Apr. 3; v. 237; p. 306.
- Steel bars, High-speed-. W. E. Nagle & Son. No. 119,557; Nov. 27; v. 244; p. 1083.
- Steel, Certain named structural. American Steel Export Company. No. 119,628; Dec. 11; v. 245; p. 545.
- Steel-hardening and heat treatment of steel. Substances or materials used in. Park Chemical Company. No. 117,356; July 3; v. 240; p. 335.
- Steel ingots, billets, slabs, and sheet-bars. Andrews Steel Company. No. 119,599; Dec. 4; v. 245; p. 275.
- Steel rods, bars, and wires, cold-rolled sheet and strip steel. Peter A. Frasse & Co. No. 118,651; Sept. 25; v. 242; p. 988.
- Steel rods and bars, cold-rolled sheet and strip steel and steel wires. Peter A. Frasse & Co. No. 119,065; Oct. 23; v. 243; p. 1060.
- Steel, Rustless pickle for. American Chemical Paint Company. No. 117,281; July 3; v. 240; p. 333.
- Steel, steel castings, and particularly manganese-steel castings. American Manganese Steel Company. No. 116,390; May 1; v. 238; p. 305.
- Steel, Tool-. Braeburn Steel Company. Nos. 117,989-91; Aug. 14; v. 241; p. 615.
- Steels, Tool-. Atlas Crucible Steel Company. Nos. 115,275-6; Feb. 6; v. 235; p. 317.
- Steels, Tool-. Atlas Crucible Steel Company. No. 116,393; May 1; v. 238; p. 305.
- Steels, Tool-. Atlas Crucible Steel Company. Nos. 117,505-6; July 17; v. 240; p. 935.
- Stencil-cutting machines. Ideal Stencil Machine Company. No. 117,327; July 3; v. 240; p. 334.
- Stencils, Card-. Rapid Addressing Machine Co. No. 119,113; Oct. 23; v. 243; p. 1062.
- Stereopticon and moving-picture screens. The J. H. Genter Co. No. 119,603; Dec. 4; v. 245; p. 275.

- Stock-dip, insecticides, germicides, and disinfectants. National Paper Products Company. No. 116,350; Apr. 24; v. 237; p. 1259.
- Stock-feeding troughs. Monarch Sanitary Stock Trough Company. No. 119,553; Nov. 27; v. 244; p. 1083.
- Stomach-warmers and douche-pans. A. Kreamer, Inc. No. 117,162; June 19; v. 239; p. 935.
- Stone, Crushed granitized. G. G. Kirtley. No. 115,522; Feb. 20; v. 235; p. 1050.
- Stone, Enamel-coated natural. The Euclid Stone & Brick Co. No. 114,957; Jan. 16; v. 234; p. 1040.
- Stone possessing the property of absorbing sound, Artificial. H. W. Johns-Manville Co. No. 114,973; Jan. 16; v. 234; p. 1040.
- Stoppers and closures made wholly or partly of cork or compositions resembling cork, Certain named. International Cork Company. No. 116,140; Apr. 10; v. 237; p. 618.
- Stove-polish. J. C. Bender. No. 117,094; June 19; v. 239; p. 933.
- Stove-polish. J. Diamond & Sons. No. 115,495; Feb. 20; v. 235; p. 1049.
- Stove-polish. Liberty Stove Polish Co. No. 119,969; Dec. 25; v. 245; p. 1022.
- Stove-polish. Russia Cement Company. No. 119,985; Dec. 25; v. 245; p. 1022.
- Stoves and heaters, Gas and oil. Reznor Manufacturing Company. No. 117,470; July 10; v. 240; p. 637.
- Stoves and kerosene-oil torches. Kerosene-oil. F. B. Lovett. Nos. 119,740-1; Dec. 11; v. 245; p. 548.
- Stoves and ranges. Belleville Stove & Range Co. No. 119,168; Oct. 30; v. 243; p. 1305.
- Stoves and ranges, Coal, wood, gas, oil, and vapor. Summit Foundry Co. No. 119,004; Oct. 16; v. 243; p. 791.
- Stoves and ranges, Electric. Rathbone Sard Electric Company. No. 118,697; Sept. 25; v. 242; p. 989.
- Stoves and ranges, Electric cooking and heating. American Stove Company. No. 119,025; Oct. 23; v. 243; p. 1059.
- Stoves and ranges, Wood, coal, gas, oil, and vapor. The Ohio State Stove Co. No. 116,971; June 5; v. 239; p. 316.
- Stoves, Cooking-. Consolidated Car-Heating Co. No. 117,833; Aug. 7; v. 241; p. 294.
- Stoves, Fireless. Durham Manufacturing Company. No. 115,946; Mar. 27; v. 236; p. 1215.
- Stoves, Gas and coal. The Cussins & Fearn Co. No. 117,117; June 19; v. 239; p. 934.
- Stoves or ranges, Coal, wood, gas, and oil. Chicago Air-Tight Stove Co. No. 118,274; Aug. 28; v. 241; p. 1151.
- Stoves, ranges, and hot-air furnaces and parts of same. Cribben & Sexton Company. No. 116,122; Apr. 10; v. 237; p. 617.
- Strapping for box-fastenings or the like, Metal. Signode System. No. 116,863; May 29; v. 238; p. 1636.
- Sugar. The American Sugar Refining Company. Nos. 115,270-1; Feb. 6; v. 235; p. 317.
- Sugar. The American Sugar Refining Company. No. 116,497; May 8; v. 238; p. 645.
- Sugar. Imperial Sugar Company. No. 119,080; Oct. 23; v. 243; p. 1061.
- Sugar, Confectioners' powdered. James A. McAteer & Sons. No. 115,979; Mar. 27; v. 236; p. 1217.
- Sugar for use as a food, Invert-. The American Sugar Refining Company. No. 115,571; Feb. 27; v. 235; p. 1349.
- Sugar-of-milk tablets. Disc Chemical Company. No. 117,029; June 12; v. 239; p. 651.
- Sugar, Refined. Zuckerraffinerie Tangermünde Fr. Meyers Sohn, Aktiengesellschaft. No. 120,004; Dec. 25; v. 245; p. 1023.
- Suits and boys' outer garments, Certain named children's. S. J. Twyman. No. 116,713; May 15; v. 238; p. 979.
- Suits and coats, Women's, misses', juniors', and girls'. M. R. Silverman. No. 116,989; June 5; v. 239; p. 316.
- Suits and overcoats and ladies' dresses, coats, and cloaks, Children's, men's, and young men's outer. H. M. Lindenthal & Sons. No. 118,892; Oct. 9; v. 243; p. 520.
- Suits and overcoats, Men's. The A. Nash Company. No. 117,903; Aug. 7; v. 241; p. 296.
- Suits and overcoats, Men's, youths', boys', and children's outer. H. Kuhn & Sons. No. 115,451; Feb. 13; v. 235; p. 691.
- Suits, coats, overcoats, and trousers, Men's and boys' outer. Isaac Hamburger & Sons. No. 115,182; Jan. 30; v. 234; p. 1578.
- Suits, coats, vests, trousers, and overcoats, Men's. Jamerson Clothes Shops. No. 118,197; Aug. 21; v. 241; p. 907.
- Suits, coats, waists, dresses, and skirts, Ladies', misses', and children's. J. Eckstein. No. 115,170; Jan. 30; v. 234; p. 1578.
- Suits, jackets, overcoats, hats, caps, &c., Boys' outer. E. E. Lion. No. 117,167; June 19; v. 239; p. 935.
- Suits, overcoats, and trousers, Men's and boys'. S. C. Applefeld. No. 117,972; Aug. 14; v. 241; p. 615.
- Suits, overcoats, jackets, &c., Men's cloth. Morris, Goldschmidt and Company. No. 115,653; Feb. 27; v. 235; p. 1351.
- Suits, overcoats, rain-coats, gabardines, Men's. Rogers Brothers. No. 117,783; July 31; v. 240; p. 1446.
- Sulfur, red and yellow phosphorus, cod-liver oil, &c. Takamine Laboratory. No. 119,927; Dec. 18; v. 245; p. 841.
- Sulfuret of antimony, a pigment used to impart color to rubber goods. Magnolia Metal Company. No. 119,339; Nov. 13; v. 244; p. 560.
- Suppositories for the relief of hemorrhoids. The E. L. Patch Co. No. 115,220; Jan. 30; v. 234; p. 1579.
- Surgical dressing in the form of a wax. A. A. Munsch. No. 119,103; Oct. 23; v. 243; p. 1061.
- Surgical spraying instrument. The De Vilbiss Manufacturing Company. No. 118,757; Oct. 2; v. 243; p. 236.
- Suspenders. The Gluckauf Company. Nos. 115,445-6; Feb. 13; v. 235; p. 691.
- Suspenders. The Gluckauf Company. No. 115,754; Mar. 6; v. 236; p. 278.
- Suspenders. Pioneer Suspender Company. No. 117,917; Aug. 7; v. 241; p. 296.
- Suspenders. President Suspender Company. No. 118,573; Sept. 18; v. 242; p. 746.
- Suspenders. J. Ziff. No. 118,937; Oct. 9; v. 243; p. 522.
- Suspenders and garters, Combination. Pioneer Suspender Company. No. 119,771; Dec. 11; v. 245; p. 549.
- Suspenders, belts and garters. J. Ziff. No. 116,734; May 15; v. 238; p. 980.
- Suspenders, belts, garters, and armbands. Lion Manufacturing Co. No. 118,305; Aug. 28; v. 241; p. 1152.
- Suspensory bandages or jock-straps. Johnson & Johnson. No. 117,156; June 19; v. 239; p. 935.
- Sweaters and sweater-coats. Elder Manufacturing Co. No. 116,890; June 5; v. 239; p. 313.
- Sweaters, jerseys, coats, caps, shirts, &c. C. H. Dudley. No. 119,280; Nov. 13; v. 244; p. 558.
- Sweeping compound. R. C. Cantwell, Jr. No. 118,153; Aug. 21; v. 241; p. 905.
- Sweeping compounds. Richmond Waterproof Products Co. No. 116,361; Apr. 24; v. 237; p. 1215.
- Swimming-suits. A. G. Spalding & Bros. No. 114,838; Jan. 2; v. 234; p. 372.
- Swing, Baby-crib. Valley Supply Company. No. 119,591; Nov. 27; v. 244; p. 1084.
- Swings and beds. Perfection Manufacturing Company. No. 117,590; July 17; v. 240; p. 937.
- Sword-blades, matchets, and matchet-knives. Robt. Mole & Sons. No. 115,005; Jan. 16; v. 234; p. 1041.
- Syringes. W. C. Halleck. No. 119,189; Oct. 30; v. 243; p. 1306.
- Syringes for use with fire-extinguishing compounds. Pyrene Manufacturing Company. No. 119,569; Nov. 27; v. 244; p. 1083.
- Syrup and coffee. New Orleans Coffee Co. No. 115,989; Mar. 27; v. 236; p. 1217.
- Syrup and molasses. The Towle Maple Products Company. No. 115,693; Feb. 27; v. 235; p. 1353.
- Syrup, Cane table-. Dothan Syrup Company. No. 119,678; Dec. 11; v. 245; p. 547.
- Syrup, Soda-fountain. S. Blackman & Co. No. 118,263; Aug. 28; v. 241; p. 1151.
- Syrup, Soda-fountain. S. Blackman & Co. No. 119,251; Nov. 13; v. 244; p. 557.
- Syrup, Table-. Griggs, Cooper & Company. No. 117,755; July 31; v. 240; p. 1445.
- Syrup, Table-. W. M. Jenkins. No. 119,724; Dec. 11; v. 245; p. 548.
- Syrups and bottled non-alcoholic still or carbonated beverages made from such syrups. Florida Citrajuice Co. No. 116,836; May 29; v. 238; p. 1635.
- Syrups for certain named purposes. Richardson Corporation. No. 115,110; Jan. 23; v. 234; p. 1309.
- Syrups, molasses, honey, &c., Food maple and sugar. Rigney and Company. No. 118,999; Oct. 16; v. 243; p. 790.
- Table-tops. The Enamel Products Company. No. 116,830; May 29; v. 238; p. 1635.
- Table-tops, Porcelain. Wasmuth-Endicott Company. No. 119,149; Oct. 23; v. 243; p. 1063.
- Table-tops, Steel. Chattanooga Stamping & Enameling Company. No. 118,749; Oct. 2; v. 243; p. 235.
- Tables, Baby-dressing. Wabash Sanitary Company. No. 117,619; July 17; v. 240; p. 938.
- Tables, chairs, beds, &c., Fiber. The R. L. Kenyon Co. No. 115,624; Feb. 27; v. 235; p. 1350.
- Tables, chairs, beds, wardrobes, &c. Goldman Bros. Nos. 116,622-3; May 15; v. 238; p. 976.
- Tables, chairs, serving-cabinets, &c. J. F. Daschner. No. 114,720; Jan. 2; v. 234; p. 368.
- Tables, desks, mattresses, pillows, &c., made of wood or metal. A. M. Malouf. No. 118,795; Oct. 2; v. 243; p. 237.
- Tables, Folding. Metal Stampings Corporation. No. 118,797; Oct. 2; v. 243; p. 237.
- Tableware of porcelain and earthenware, Decorated. Lenox Incorporated. No. 119,736; Dec. 11; v. 245; p. 548.
- Tableware of porcelain and earthenware, Undecorated. Lenox Incorporated. No. 118,204; Aug. 21; v. 241; p. 907.
- Tablet, Laxative. The S. S. Nettles Co. No. 116,546; May 8; v. 238; p. 646.
- Tablet, Tonic laxative. W. C. Doan. No. 117,302; July 3; v. 240; p. 333.

Alphabetical list of trade-marks—Continued.

- Tablet triturates, compressed tablets, and chemical elements in lozenge form for certain named uses. The Tracy Company. No. 116,994; June 5; v. 239; p. 316.
- Tablet when used in gasoline removes carbon and gives more power and mileage, Chemical. F. A. Whartenby. No. 119,481; Nov. 20; v. 244; p. 815.
- Tablets, Anemia-. C. M. Riveroll. No. 118,701; Sept. 25; v. 242; p. 989.
- Tablets, Candy. The Aromint Company. No. 117,811; Aug. 7; v. 241; p. 293.
- Tablets, Dyspepsia and laxative. B. Heller & Company. No. 119,532; Nov. 27; v. 244; p. 1082.
- Tablets for coughs, colds, asthmatic and bronchial troubles. Eckman Manufacturing Company. No. 115,598; Feb. 27; v. 235; p. 1350.
- Tablets for indigestion and associated ailments, Stomach-. International Pharmaceutical Company. No. 119,541; Nov. 27; v. 244; p. 1082.
- Tablets for the treatment of anemic conditions of the blood. Conway & Hall. No. 115,737; Mar. 6; v. 236; p. 277.
- Tablets for toning and building up the stomach, lungs, &c. C. E. Biel. No. 119,870; Dec. 18; v. 245; p. 839.
- Tablets for treatment of la grippe and colds. S. L. Haseltine. No. 116,631; May 15; v. 238; p. 976.
- Tablets, Headache and neuralgia. W. A. Wallace. No. 119,411; Nov. 13; v. 244; p. 562.
- Tablets, Laxative. Fellows Medical Manufacturing Company. No. 118,021; Aug. 14; v. 241; p. 616.
- Tablets, Laxative. C. M. C. Stewart Sulphur Co. No. 116,865; May 29; v. 238; p. 1636.
- Talc, nail-polishes, deodorizer, shampoo preparations, &c. Philo Hay Specialties Co. No. 116,136; Apr. 10; v. 237; p. 617.
- Talking-machine, Cabinet. H. D. Darlington. No. 117,423; July 10; v. 240; p. 635.
- Talking-machine motors and drives. Victor Electrical Equipment Co. No. 115,125; Jan. 23; v. 234; p. 1309.
- Talking-machine motors and drives. Victor Electrical Equipment Co. No. 115,258; Jan. 30; v. 234; p. 1580.
- Talking-machine records. Paroquette Record Mfg. Co. No. 114,906; Jan. 9; v. 234; p. 668.
- Talking-machine turn-tables. J. A. Davis. No. 115,071; Jan. 23; v. 234; p. 1307.
- Talking-machines. The Austin Company. No. 115,056; Jan. 23; v. 234; p. 1307.
- Talking-machines. Barker Bros. No. 119,939; Dec. 25; v. 245; p. 1021.
- Talking-machines. C. J. Bousfield. No. 115,059; Jan. 23; v. 234; p. 1307.
- Talking-machines. The Colorado Phonograph Company. No. 117,828; Aug. 7; v. 241; p. 293.
- Talking-machines. E. P. Johnson Piano Co. No. 116,525; May 8; v. 238; p. 646.
- Talking-machines. Montgomery Ward & Co. Inc. No. 114,903; Jan. 9; v. 234; p. 668.
- Talking-machines. Shapleigh Hardware Company. No. 116,690; May 15; v. 238; p. 978.
- Talking-machines and parts thereof. The Centrola Talking Machine Co. No. 119,172; Oct. 30; v. 243; p. 1305.
- Talking-machines and their parts. J. Hoffay. No. 119,451; Nov. 20; v. 244; p. 814.
- Talking-machines, grafonolas, and phonographs and parts thereof. Republic Phonograph Co. No. 118,330; Aug. 28; v. 241; p. 1153.
- Talking-machines, phonographs, &c. Lyon & Healy. No. 119,094; Oct. 23; v. 243; p. 1061.
- Talking-machines, phonographs, records, &c. Sonora Phonograph Corporation. No. 118,584; Sept. 18; v. 242; p. 746.
- Talking-machines, records, needles, and parts thereof, except horns. The Master Talking Machine Company. No. 116,665; May 15; v. 238; p. 978.
- Tank heater, Stock-. Wills Mfg. Co. No. 118,841; Oct. 2; v. 243; p. 238.
- Tanks and stand or range boilers. Riverside Boiler Works. No. 115,539; Feb. 20; v. 235; p. 1051.
- Tapioca product made from corn. Kellogg Toasted Corn Flake Company. No. 119,324; Nov. 13; v. 244; p. 559.
- Taps and thread-cutting metal-working tools. The National Acme Company. No. 119,558; Nov. 27; v. 244; p. 1083.
- Tea. Donald Company. No. 119,430; Nov. 20; v. 244; p. 813.
- Tea. J. A. Folger & Company. No. 117,032; June 12; v. 239; p. 651.
- Tea. Rice Bros. No. 115,392; Feb. 6; v. 235; p. 321.
- Tea. The "Salada" Tea Company. No. 116,557; May 8; v. 238; p. 647.
- Tea. Sears, Roebuck and Co. Nos. 117,478-9; July 10; v. 240; p. 637.
- Tea. Sprague, Warner & Company. No. 116,696; May 15; v. 238; p. 979.
- Tea-. Weddle Tea Company. No. 119,843; Dec. 11; v. 245; p. 552.
- Tea and coffee. J. M. McCracken Co. No. 115,200; Jan. 30; v. 234; p. 1579.
- Tea, coffee, and cocoa. M. L. Todd. No. 119,995; Dec. 25; v. 245; p. 1022.
- Tea, coffee, cocoa, spices, &c. The Temple Garden Company. No. 117,488; July 10; v. 240; p. 637.
- Teas. The Globe Tea Co. No. 118,175; Aug. 21; v. 241; p. 906.
- Teas and coffees. Arbuckle Brothers. No. 118,257; Aug. 28; v. 241; p. 1151.
- Teas and spices. Johnson & Murray. No. 115,345; Feb. 6; v. 235; p. 319.
- Teeth. The S. S. White Dental Manufacturing Company. No. 118,362; Aug. 28; v. 241; p. 1154.
- Teeth, platinum-pin facings, combination sets, &c., Porcelain. G. Steele. No. 119,216; Oct. 30; v. 243; p. 1306.
- Teething-rings for babies, hot-water bags and covers for same. J. H. Joseph. No. 119,729; Dec. 11; v. 245; p. 548.
- Telegraph, Wireless detector for. Eugene T. Turney Co. Inc. No. 114,845; Jan. 2; v. 234; p. 372.
- Telephone devices. The Weillaphone, Inc. No. 116,261; Apr. 17; v. 237; p. 915.
- Telephones and parts thereof. Naamlooze Vennootschap De Nederlandsche Thermo-Telefoon Maatschappij. No. 119,104; Oct. 23; v. 243; p. 1061.
- Telephones, electric cigar-lighters and lamps. Spielman Electric Co. No. 116,465; May 1; v. 238; p. 307.
- Temperature-gages. National Gauge & Equipment Co. No. 115,007; Jan. 16; v. 234; p. 1041.
- Tennis-racket strings. A. G. Spalding & Bros. No. 118,826; Oct. 2; v. 243; p. 238.
- Tennis-rackets. C. B. Mueller. No. 115,371; Feb. 6; v. 235; p. 320.
- Tennis rackets and balls, base and golf balls, &c. C. J. O. Riely. No. 115,534; Feb. 20; v. 235; p. 1051.
- Tents. I. S. Purcell. No. 118,327; Aug. 28; v. 241; p. 1153.
- Terne plates. Lyon, Conklin & Co. No. 114,898; Jan. 9; v. 234; p. 668.
- Textile fabrics comprising cloths made from certain materials or a mixture of said materials. Morton Sundour Fabrics. No. 118,686; Sept. 25; v. 242; p. 989.
- Therapeutic apparatus and appliances and parts and attachments thereof, Electrically-operated. Manhattan Electrical Supply Company. No. 116,662; May 15; v. 238; p. 977.
- Thermometers, Clinical. Union Thermometer Company. No. 119,833; Dec. 11; v. 245; p. 551.
- Thread and yarn, Certain named. A. M. Malouf. No. 117,685; July 24; v. 240; p. 1162.
- Thread and yarn made of silk, cotton, or wool. Nonotuck Silk Company. No. 118,993; Oct. 16; v. 243; p. 790.
- Thread and yarn made of silk, cotton, or wool. Nonotuck Silk Company. No. 119,757; Dec. 11; v. 245; p. 549.
- Threads and yarns. Certain named. Goldman Costume Company. No. 119,298; Nov. 13; v. 244; p. 558.
- Threads and yarns, Certain named. Richardson Silk Co. No. 117,471; July 10; v. 240; p. 637.
- Threads and yarns, Cotton. Marshall Field & Company. No. 115,748; Mar. 6; v. 236; p. 278.
- Threads and yarns, Cotton and silk. M. Brodsky & Co. No. 119,169; Oct. 30; v. 243; p. 1305.
- Threads and yarns of cotton, silk, linen, jute, and ramie. Dollfus-Mieg & Cie. Société Anonyme. No. 114,726; Jan. 2; v. 234; p. 368.
- Threads, Pure and artificial silk. M. Heminway & Sons Silk Co. No. 117,661; July 24; v. 240; p. 1162.
- Tile, Ventilating. Fairway Manufacturing Co. No. 119,287; Nov. 13; v. 244; p. 558.
- Tiles or building-blocks, Hollow. J. T. Taylor. No. 118,240; Aug. 21; v. 241; p. 908.
- Tiles, Wall, floor, and ceiling. American Encaustic Tiling Co. No. 115,717; Mar. 6; v. 236; p. 277.
- Tinctures. The William S. Merrell Chemical Company. No. 115,649; Feb. 27; v. 235; p. 1351.
- Tinting silk underwear, crêpe de chine, Georgette crape, and silk blouses. E. La Haye. No. 117,883; Aug. 7; v. 241; p. 295.
- Tire-casings and tire-tubes, Automobile. The National Tire & Rubber Company. No. 114,811; Jan. 2; v. 234; p. 371.
- Tire casings and tubes of rubber, Automobile-. The National Tire & Rubber Company. No. 115,531; Feb. 20; v. 235; p. 1051.
- Tire-fillers. The Antifi Company. No. 114,679; Jan. 2; v. 234; p. 367.
- Tire-gages and speedometers. Protex Manufacturing Co. No. 118,089; Aug. 14; v. 241; p. 618.
- Tire-powder and tire-mica. Durkee-Atwood Co. No. 117,121; June 19; v. 239; p. 934.
- Tire-repair material, Vulcanizable fabric. W. U. Cowan. No. 115,310; Feb. 6; v. 235; p. 318.
- Tire-repair-patches, repair-boots, Double-tread. The Miller Rubber Company. No. 115,986; Mar. 27; v. 236; p. 1217.
- Tire-repairing cement. G. K. Cogswell. No. 117,740; July 31; v. 240; p. 1445.
- Tire-sealing compound. Cline, Crowell & McCorkle. No. 117,417; July 10; v. 240; p. 635.
- Tire-vulcanizing outfit. The Akron Rubber Mold & Machine Company. No. 119,617; Dec. 11; v. 245; p. 545.
- Tire-vulcanizing outfits and self-vulcanizing patches. A. R. Sales Co. No. 119,215; Oct. 30; v. 243; p. 1306.
- Tire-vulcanizing outfits, Rubber-. F. O. Lake. No. 118,418; Sept. 4; v. 242; p. 250.
- Tires, and non-metallic tires and tire-casings composed of rubber or rubber and fabric. Inner tubes for. Racine Auto Tire Company. No. 115,225; Jan. 30; v. 234; p. 1579.

- Tires and rubber inner tubes therefor, Pneumatic rubber. The Pharris Tire & Rubber Co. No. 119,211; Oct. 30; v. 243; p. 1306.
- Tires and tubing, Rubber. The Miller Rubber Company. No. 118,799; Oct. 2; v. 243; p. 237.
- Tires, belting, hose, tire-shoes, Rubber, &c. The Midland Tire & Rubber Co. No. 116,966; June 5; v. 239; p. 315.
- Tires, casings, and tubes, Rubber. Marathon Tire & Rubber Co. Nos. 118,980-1; Oct. 16; v. 243; p. 790.
- Tires, Composition for healing punctures in pneumatic. The Tireoid Company. No. 115,415; Feb. 6; v. 235; p. 321.
- Tires, Compound for closing holes or punctures in pneumatic. National Chemical Co. No. 118,909; Oct. 9; v. 243; p. 521.
- Tires, Elastic vehicle-. The American Rubber and Tire Company. No. 116,289; Apr. 24; v. 237; p. 1213.
- Tires, Filler or pigment for use in the manufacture of rubber. Durex Chemical Corporation. No. 118,393; Sept. 4; v. 242; p. 249.
- Tires for automobiles, Rubber. W. B. Buckley. No. 118,150; Aug. 21; v. 241; p. 905.
- Tires for automobiles, &c., Rubber. The Colonial Tyre & Rubber Co. No. 116,942; June 5; v. 239; p. 315.
- Tires for pleasure-cars, Rubber pneumatic automobile-. P. S. Malikson. No. 116,228; Apr. 17; v. 237; p. 914.
- Tires, Inner tubes for automobile and motor-cycle pneumatic. Simple Rubber Company. No. 116,986; June 5; v. 239; p. 316.
- Tires, inner tubes, liners, and patches for the same, Rubber. Keystone Rubber Manufacturing Company. No. 119,193; Oct. 30; v. 243; p. 1306.
- Tires of rubber and fabric, Automobile and bicycle. Ajax Rubber Company. No. 115,570; Feb. 27; v. 235; p. 1349.
- Tires of rubber and fabric, Automobile and bicycle. Ajax Rubber Company. No. 119,616; Dec. 11; v. 245; p. 545.
- Tires or tire-casings and inner tubes for pneumatic tires. The General Tire and Rubber Company. No. 114,963; Jan. 16; v. 234; p. 1040.
- Tires or tire-casings and inner tubes for pneumatic tires, Rubber. The General Tire & Rubber Company. No. 115,605; Feb. 27; v. 235; p. 1350.
- Tires, Pneumatic rubber automobile-. Beacon Tire Company. No. 114,685; Jan. 2; v. 234; p. 367.
- Tires, Puncture-pluggers for. Bales Puncture Plugger Company. No. 117,736; July 31; v. 240; p. 1445.
- Tires, Rubber. Converse Rubber Shoe Company. No. 117,834; Aug. 7; v. 241; p. 294.
- Tires, Rubber. The Fisk Rubber Company. No. 116,756; May 22; v. 238; p. 1325.
- Tires, Rubber. The Gordon Tire & Rubber Co. No. 116,309; Apr. 24; v. 237; p. 1214.
- Tires, Rubber. The Gordon Tire & Rubber Company. No. 119,699; Dec. 11; v. 245; p. 547.
- Tires, Rubber. Gryphon Rubber and Tire Corporation. No. 116,213; Apr. 17; v. 237; p. 913.
- Tires, Rubber. The Miller Rubber Company. No. 117,898; Aug. 7; v. 241; p. 296.
- Tires, Rubber. Rubber Insulated Metals Corporation. No. 117,924; Aug. 7; v. 241; p. 296.
- Tires, Rubber. Southern Hardware & Bicycle Company. No. 116,373; Apr. 24; v. 237; p. 1216.
- Tires, Rubber. H. B. Wallace. No. 115,704; Feb. 27; v. 235; p. 1353.
- Tires, Rubber and fabric casings or shoes for pneumatic. The Standard Tire and Rubber Manufacturing Company. No. 116,095; Apr. 3; v. 237; p. 307.
- Tires, Rubber patch for repairing inner tubes of automobile-. H. E. Dickard. No. 117,651; July 24; v. 240; p. 1161.
- Tires, Rubber pneumatic. Continental Rubber Works. No. 116,293; Apr. 24; v. 237; p. 1213.
- Titanium or its compounds employed as purifiers in metallurgical operations, Compositions containing. The Titanium Alloy Manufacturing Company. No. 118,593; Sept. 18; v. 242; p. 746.
- Tobacco and cigarettes, Smoking and chewing. Liggett & Myers Tobacco Company. No. 119,195; Oct. 30; v. 243; p. 1306.
- Tobacco, Chewing and smoking. Joseph G. Dill, Inc. No. 116,206; Apr. 17; v. 237; p. 913.
- Tobacco, Leaf-. Luckett-Wake Tobacco Co. No. 119,333; Nov. 13; v. 244; p. 559.
- Tobacco, Plug and twist. R. J. Reynolds Tobacco Company. No. 117,203; June 19; v. 239; p. 936.
- Tobacco-pouches, Self-closing. C. Marshall, Jr. No. 115,366; Feb. 6; v. 235; p. 320.
- Tobacco products, Certain named. Goldman Costume Company. No. 118,030; Aug. 14; v. 241; p. 617.
- Tobacco-seed. B. L. Kelley & Sons. No. 117,876; Aug. 7; v. 241; p. 295.
- Tobacco, Smoking-. G. Gund. No. 116,760; May 22; v. 238; p. 1325.
- Tobacco, Smoking-. Shields & Son. No. 116,372; Apr. 24; v. 237; p. 1216.
- Tobacco, Smoking-. The Texas Tobacco Co. No. 115,035; Jan. 16; v. 234; p. 1042.
- Tobacco, Smoking and chewing. Christian Peper Tobacco Co. No. 115,221; Jan. 30; v. 234; p. 1579.
- Tobacco, Smoking and chewing. Christian Peper Tobacco Co. No. 115,591; Feb. 27; v. 235; p. 1349.
- Tobacco, Smoking and chewing. H. B. Turner. No. 119,219; Oct. 30; v. 243; p. 1306.
- Tobacco, tobacco plugs, and cigarettes, Smoking and chewing. The American Tobacco Co. No. 118,372; Sept. 4; v. 242; p. 249.
- Tobaccos and snuff, Smoking, chewing, and leaf. MacLinn-Zimmer-McGill Tobacco Co. Nos. 117,456-7; July 10; v. 240; p. 636.
- Tobaccos, Chewing and smoking. Joseph G. Dill, Inc. No. 116,751; May 22; v. 238; p. 1325.
- Toilet-article containers. Eiseman, Kaiser & Co. No. 116,131; Apr. 10; v. 237; p. 617.
- Toilet-article containers. Eiseman, Kaiser & Co. No. 118,869; Oct. 9; v. 243; p. 519.
- Toilet articles, Certain named. E. Adams. No. 118,938; Oct. 16; v. 243; p. 789.
- Toilet articles, Certain named. Zauder Bros. No. 115,133; Jan. 23; v. 234; p. 1309.
- Toilet preparations, Certain named. J. C. Allen. No. 114,917; Jan. 16; v. 234; p. 1039.
- Toilet preparations, Certain named. Crystal Soap Company. No. 119,273; Nov. 13; v. 244; p. 558.
- Toilet preparations, Certain named. Lundborg Company. No. 116,334; Apr. 24; v. 237; p. 1215.
- Toilet preparations, Certain named. L. Smith. No. 115,243; Jan. 30; v. 234; p. 1580.
- Toilet preparations for the skin. Octava Co. No. 117,701; July 24; v. 240; p. 1163.
- Toilet water, perfumes, nail-polish. Goodrich Drug Company. No. 116,518; May 8; v. 238; p. 645.
- Toilet waters, handkerchief extracts, perfumed powders, sachets. Colgate & Co. No. 118,750; Oct. 2; v. 243; p. 235.
- Tomato sauce. A. R. Purpura. No. 118,328; Aug. 28; v. 241; p. 1153.
- Tonic and nerve-sedative. S. Britton. No. 114,934; Jan. 16; v. 234; p. 1039.
- Tonic and salve for treating certain named diseases, Medicinal. M. L. C. V. De Vessey. No. 119,058; Oct. 23; v. 243; p. 1060.
- Tonic and system-cleanser. Sanpan Distributing Company. No. 119,382; Nov. 13; v. 244; p. 561.
- Tonic, blood and tissue builder, Medicinal. F. W. Clements. No. 116,039; Apr. 3; v. 237; p. 305.
- Tonic, Chill-. Molo Medicine Co. No. 115,458; Feb. 13; v. 235; p. 692.
- Tonic for horses and live stock. R. J. Elson. No. 116,892; June 5; v. 239; p. 313.
- Tonic for the sexual organs. Cantrell and Dawson. No. 117,414; July 10; v. 240; p. 635.
- Tonic for the treatment of biliousness, constipation, &c., Liver-. R. J. Estes. No. 116,302; Apr. 24; v. 237; p. 1214.
- Tonic for treatment of syphilis, scrofula, Bright's disease, &c. W. A. Minick. No. 117,692; July 24; v. 240; p. 1163.
- Tonic for use in certain diseases and disorders. Chattanooga Drug & Chemical Co. No. 119,261; Nov. 13; v. 244; p. 557.
- Tonic laxative. Bell-Loids Chemical Co. No. 117,980; Aug. 14; v. 241; p. 615.
- Tonic, Laxative chill-. R. W. Hesser. No. 117,861; Aug. 7; v. 241; p. 294.
- Tonic, Liver-. E. P. Sherman. No. 117,212; June 19; v. 239; p. 937.
- Tonic, Liver-. The Traveler Remedy Co. No. 115,037; Jan. 16; v. 234; p. 1042.
- Tonics, Medicinal. Rigo-Tone Chemical Co. No. 116,362; Apr. 24; v. 237; p. 1215.
- Tonic, Nerve-. Munyon's Homoeopathic Home Remedy Co. No. 115,006; Jan. 16; v. 234; p. 1041.
- Tonic, Nerve-. The Sentinel Remedies Company. No. 119,919; Dec. 18; v. 245; p. 841.
- Tonic, Reconstructive. Frederick Stearns & Co. No. 115,818; Mar. 6; v. 236; p. 280.
- Tonic, Stomach-. S. Galt. No. 119,294; Nov. 13; v. 244; p. 558.
- Tonic, Stomach-. D. Perrucci. No. 115,016; Jan. 16; v. 234; p. 1042.
- Tonic to increase the red corpuscles of the blood, strengthen the nerves, and correct faulty metabolism. S. H. McKean. No. 117,678; July 24; v. 240; p. 1162.
- Tonic to relieve certain named conditions, Bitter. J. H. Albert. No. 119,016; Oct. 23; v. 243; p. 1059.
- Tonic to strengthen the nerves, increase the red corpuscles of the blood, and correct faulty metabolism. S. H. McKean. No. 117,891; Aug. 7; v. 241; p. 295.
- Tonics for weak, nervous, anemic, &c., people, Medicinal. Kovacs Brothers. No. 117,674; July 24; v. 240; p. 1162.
- Tool, Sealing-. Signode System. No. 116,692; May 15; v. 238; p. 978.
- Tool, Stretching-. Signode System. No. 116,691; May 15; v. 238; p. 978.
- Tools for cutting, forming, or holding, Certain named metal. V. F. J. Tlach. No. 116,709; May 15; v. 238; p. 979.
- Tooth-cleaning preparations. A. A. Libby. No. 115,453; Feb. 13; v. 235; p. 691.
- Tooth-paste. The Dental and Toilet Products Corporation. No. 117,841; Aug. 7; v. 241; p. 294.
- Tooth-paste. Lambert Pharmaceutical Company. No. 118,052; Aug. 14; v. 241; p. 617.

Alphabetical list of trade-marks—Continued.

- Tooth-paste. The Omega Chemical Company. No. 117,908; Aug. 7; v. 241; p. 296.
- Tooth-paste. Wrigley & Company. No. 115,832; Mar. 6; v. 236; p. 280.
- Tooth-paste and beauty-powder—viz., face and toilet powder. The Pompeian Mfg. Co. No. 116,788; May 22; v. 238; p. 1326.
- Tooth-paste, talcum and face powders, cold-cream, &c. Euvenol Company. No. 117,123; June 19; v. 239; p. 934.
- Tooth-wash, an antiseptic compound. D. J. Little. No. 117,341; July 3; v. 240; p. 334.
- Tooth-wash, Gum. J. L. Greenbaum. No. 115,852; Mar. 13; v. 236; p. 591.
- Towel-racks, follower-boards, and lugs. Diamond Individual Towel System Co. No. 115,316; Feb. 6; v. 235; p. 318.
- Towels, washrags, face-cloths, bath-mats, and textile bath-room rugs. Hohlfeld Manufacturing Co. Nos. 119,711-12; Dec. 11; v. 245; p. 548.
- Towelings and towels. Remy, Schmidt and Pleissner. No. 115,389; Feb. 6; v. 235; p. 320.
- Toy. J. E. Brown. No. 115,293; Feb. 6; v. 235; p. 317.
- Toy balloons. The Miller Rubber Company. No. 116,670; May 15; v. 238; p. 978.
- Toy building-blocks. W. G. Anderson. No. 119,161; Oct. 30; v. 243; p. 1305.
- Toy cannons. Milton Bradley Co. No. 114,804; Jan. 2; v. 234; p. 371.
- Toy cannons. Peg Leg Block Company. No. 115,017; Jan. 16; v. 234; p. 1042.
- Toy, Certain named. J. E. Brown. No. 115,291; Feb. 6; v. 235; p. 317.
- Toy cycles. The Kadooliator People, Inc. No. 116,324; Apr. 24; v. 237; p. 1214.
- Toy dressmaking outfit. K. A. Rauser. No. 116,789; May 22; v. 238; p. 1326.
- Toy electric motors. The Alexander-Kramer Company. No. 118,131; Aug. 21; v. 241; p. 905.
- Toy figures and dolls. The Beaver Company. No. 116,578; May 15; v. 238; p. 975.
- Toy furniture. Platt-Maschek Company. No. 119,212; Oct. 30; v. 243; p. 1306.
- Toy gas-cannons. J. H. Willy. No. 117,799; July 31; v. 240; p. 1447.
- Toy kites. Samuel F. Perkins, Inc. No. 119,979; Dec. 25; v. 245; p. 1022.
- Toy moving-picture machines. A. S. Ferguson. No. 116,754; May 22; v. 238; p. 1325.
- Toy, Optical. Marvel Mfg. Co. No. 116,664; May 15; v. 238; p. 978.
- Toy push-cars. C. J. McKnight. No. 116,661; May 15; v. 238; p. 977.
- Toy vehicles, Children's. The Pittsburgh Toy Vehicle Co. No. 117,599; July 17; v. 240; p. 938.
- Toy wooden construction-blocks. Commonwealth Toy Corporation. No. 117,832; Aug. 7; v. 241; p. 293.
- Toys, Building and construction. Benjamin-Sellar Mfg. Co. No. 115,284; Feb. 6; v. 235; p. 317.
- Toys, Cardboard cut-out. Oxford-Print. No. 115,380; Feb. 6; v. 235; p. 320.
- Toys, Certain named. G. A. Baker. No. 119,028; Oct. 23; v. 243; p. 1059.
- Toys, Certain named. George Borgfeldt & Co. No. 119,644; Dec. 11; v. 245; p. 546.
- Toys, Certain named. M. M. Mason. No. 116,339; Apr. 24; v. 237; p. 1215.
- Toys, Construction. The A. C. Gilbert Company. No. 119,069; Oct. 23; v. 243; p. 1060.
- Toys, Mechanical. G. W. Parker. No. 117,912; Aug. 7; v. 241; p. 296.
- Toys simulating parts of animals, Educational. A. H. Sweet. No. 115,552; Feb. 20; v. 235; p. 1051.
- Toys, Sound-operated. Submarine Wireless Company. No. 117,485; July 10; v. 240; p. 637.
- Toys, Wooden figure. Reading Toy Manufacturing Co. No. 117,782; July 31; v. 240; p. 1446.
- Tractors. The Happy Farmer Tractor Co. No. 115,960; Mar. 27; v. 236; p. 1216.
- Tractors, Interstate Engine & Tractor Company. No. 116,432; May 1; v. 238; p. 306.
- Tractors, Mayer Brothers Company. No. 116,666; May 15; v. 238; p. 978.
- Tractors. E. G. Staude Manufacturing Co. No. 118,715; Sept. 25; v. 242; p. 990.
- Tractors. Wallis Tractor Company. No. 117,388; July 3; v. 240; p. 336.
- Tractors and fluid-pressure engines and parts thereof. International Harvester Corporation. No. 119,540; Nov. 27; v. 244; p. 1082.
- Tractors and internal-combustion engines and parts thereof. International Harvester Corporation. Nos. 117,329-30; July 3; v. 240; p. 334.
- Tractors and parts thereof, Farm. Ford Motor Company. No. 119,602; Dec. 4; v. 245; p. 275.
- Tractors for farm, industrial, and commercial uses, Power-driven. W. S. Barnes. Nos. 114,925-6; Jan. 16; v. 234; p. 1039.
- Traps, Animal. Oneida Community. No. 118,567; Sept. 18; v. 242; p. 745.
- Traps, Game. Triumph Trap Co. No. 119,827; Dec. 11; v. 245; p. 551.
- Treatment for coughs, bronchitis, asthma, &c. Martin H. Smith Co. No. 117,373; July 3; v. 240; p. 336.
- Treatment for diabetes and diabetic disorders, Herbal. The Ames Chemical Co. No. 117,809; Aug. 7; v. 241; p. 293.
- Treatment for rheumatism and sore muscles. W. Yick. No. 119,851; Dec. 11; v. 245; p. 552.
- Treatment for sore throat, hoarseness, tonsillitis, &c. Internal. H. E. Long. No. 115,455; Feb. 13; v. 235; p. 691.
- Treatment for the hair and scalp and for eczema. J. L. McKenna. No. 116,071; Apr. 3; v. 237; p. 306.
- Treatment of hogs for cholera, thumps, colds, &c. W. A. Craig. No. 119,272; Nov. 13; v. 244; p. 558.
- Trees and plants and hardy ornamentals, Fruit. Stark Bro's Nurseries & Orchards Co. No. 115,549; Feb. 20; v. 235; p. 1051.
- Trees, Fruit. Stark Bro's Nurseries and Orchards Co. No. 115,246; Jan. 30; v. 234; p. 1580.
- Trimnings, Certain named. The H. B. Claffin Corporation. No. 117,296; July 3; v. 240; p. 333.
- Trolley-wire clamps. The Ohio Brass Company. No. 115,861; Mar. 13; v. 236; p. 592.
- Trousers and boys' suits and trousers, Men's. Kaplan Bros. No. 114,975; Jan. 16; v. 234; p. 1041.
- Trousers and rain-coats. S. Newman. No. 115,373; Feb. 6; v. 235; p. 320.
- Trousers, Men's, boys', and youths'. F. E. Abeles & Co. No. 118,842; Oct. 9; v. 243; p. 519.
- Trucks and automobiles, Motor. E. Goldman. No. 118,767; Oct. 2; v. 243; p. 236.
- Trucks and radiator-frames thereof, Motor. Nelson Bros. Co. No. 119,755; Dec. 11; v. 245; p. 549.
- Trucks and units for converting pleasure-car vehicles into trucks, Motor. Commercial Car Unit Company. No. 119,665; Dec. 11; v. 245; p. 546.
- Trucks, Auto or motor. Cadillac Auto Truck Company. No. 115,298; Feb. 6; v. 235; p. 318.
- Trucks, Elevating. Barrett-Cravens Company. No. 119,636; Dec. 11; v. 245; p. 545.
- Trucks, Elevating. Lewis-Shepard Company. No. 119,194; Oct. 30; v. 243; p. 1306.
- Trucks, Gasolene. Kentucky Wagon Manufacturing Co. No. 117,447; July 10; v. 240; p. 636.
- Trucks, Industrial elevating. Lewis-Shepard Company. No. 119,331; Nov. 13; v. 244; p. 559.
- Trunks. Frederick & Nelson. No. 114,961; Jan. 16; v. 234; p. 1040.
- Trunks. M. J. Peppard. No. 119,613; Dec. 4; v. 245; p. 275.
- Trunks, suitcases, and traveling-bags. Weber & Heilbroner. No. 119,842; Dec. 11; v. 245; p. 552.
- Trunks, Wardrobe. Seward Trunk and Bag Company. No. 119,128; Oct. 23; v. 243; p. 1062.
- Trunks, Wardrobe. Seward Trunk & Bag Co. No. 119,803; Dec. 11; v. 245; p. 550.
- Trusses. C. Cluthe, Sr. No. 116,598; May 15; v. 238; p. 975.
- Tubes, Inner. Lee Tire & Rubber Co. No. 115,355; Feb. 6; v. 235; p. 319.
- Tubes, Inner. Standard Tire and Rubber Manufacturing Company. No. 116,802; May 22; v. 238; p. 1327.
- Tubes, liners, and patches for the same, Inner. Keystone Rubber Manufacturing Company. No. 116,769; May 22; v. 238; p. 1326.
- Turkeys. L. Renaker. No. 115,390; Feb. 6; v. 235; p. 320.
- Turpentine and turpentine substitute. C. A. Hansen. No. 115,185; Jan. 30; v. 234; p. 1578.
- Turpentine cups and aprons. Fuel City Manufacturing Co. No. 117,251; June 26; v. 239; p. 1205.
- Twine. Auburn Converting Company. No. 119,165; Oct. 30; v. 243; p. 1305.
- Twines and ropes made from shredded fibers of palmetto or palm leaves. Palmetto Products Company. Nos. 115,013-14; Jan. 16; v. 234; p. 1042.
- Type-metal. Imperial Type Metal Co. No. 114,767; Jan. 2; v. 234; p. 370.
- Type-metals, solders, metal alloys, lead bars, &c. American Lead Company. No. 117,082; June 19; v. 239; p. 933.
- Type-writer copy-holding and indicating devices. The Point-O-Graph Co. No. 119,567; Nov. 27; v. 244; p. 1083.
- Type-writing machines. Yu Ess Manufacturing Corporation. No. 119,614; Dec. 4; v. 245; p. 275.
- Ukuleles, musical instruments made in Hawaii. Honolulu Ad Club. No. 118,529; Sept. 18; v. 242; p. 744.
- Underdrawers and envelop-chemise. Imperial Underwear Co. No. 119,718; Dec. 11; v. 245; p. 548.
- Undergarments, Ladies' silk. Kovar Company. No. 117,337; July 3; v. 240; p. 334.
- Undermuslins, Certain named. Sears, Roebuck and Co. No. 118,437; Sept. 4; v. 242; p. 251.
- Underwaists for boys and girls. John Wanamaker, New York. No. 116,183; Apr. 10; v. 237; p. 619.
- Underwear and sweaters. Union Special Machine Company. No. 116,255; Apr. 17; v. 237; p. 914.
- Underwear, as follows: shirts, drawers, and union-suits. Robert Reis & Co. No. 117,060; June 12; v. 239; p. 652.
- Underwear, Certain named men's, boys', and children's. Elder Manufacturing Co. No. 119,682; Dec. 11; v. 245; p. 547.

- Underwear, Infants' flat and knitted. W. K. Jones. No. 116,651; May 15; v. 238; p. 977.
- Underwear, Ladies' muslin. Simon & Mendelsohn. No. 118,231; Aug. 21; v. 241; p. 908.
- Underwear, Ladies' muslin and silk. Rosenberg & Cohen. No. 117,922; Aug. 7; v. 241; p. 296.
- Unguent. L. R. Swope. No. 119,397; Nov. 13; v. 244; p. 561.
- Union-suits, undershirts, drawers, and pajamas, Textile. P. A. Luckett. No. 114,897; Jan. 9; v. 234; p. 668.
- Union-suits, underwear, drawers, and pajamas, Textile. P. A. Luckett. No. 116,069; Apr. 3; v. 237; p. 306.
- Vaccins, Bacterial. Swan-Myers Co. No. 116,376; Apr. 24; v. 237; p. 1216.
- Valve-grinders, valve-spring lifters, gas-engines, cone-machines, batter-mixers. The Turnbull Manufacturing Company. No. 117,617; July 17; v. 240; p. 938.
- Valve-grinding compound. H. H. Chandler. No. 116,507; May 8; v. 238; p. 645.
- Valves and other metallic valves for general purposes, Regulating and reducing. The Bastian-Blessing Company. No. 115,833; Mar. 13; v. 236; p. 591.
- Valves and parts thereof, Metallic. Jenkins Bros. No. 117,154; June 19; v. 239; p. 935.
- Valves, Blow-off. Engineers Specialties Co. No. 119,180; Oct. 30; v. 243; p. 1305.
- Valves, expansion-joints, flanges, laterals, &c. Crane Company. No. 119,049; Oct. 23; v. 243; p. 1060.
- Valves for general purposes, and particularly valves used for high-pressure shipping-containers, Metallic. Welding Supply Company. No. 118,838; Oct. 2; v. 243; p. 238.
- Valves, Metallic rotary suction and check. The M. Smolensky Manufacturing Co. No. 116,799; May 22; v. 238; p. 1327.
- Vanilla and tonka compound. The Hudson Mfg. Co. No. 115,341; Feb. 6; v. 235; p. 319.
- Vaporizing device, Certain named. The Hydragas Corporation. No. 116,646; May 15; v. 238; p. 977.
- Varnish. Floor-Shine Manufacturing Company. No. 115,325; Feb. 6; v. 235; p. 319.
- Varnish. Sears, Roebuck and Co. No. 118,097; Aug. 14; v. 241; p. 619.
- Varnish, enamel, furniture-polish, and varnish-remover. Continental Varnish Company. No. 115,308; Feb. 6; v. 235; p. 318.
- Varnish-finish, Colored. Fort Wayne Drug Company. No. 115,604; Feb. 27; v. 235; p. 1350.
- Varnish, paint, Japan, &c. Chicago Varnish Company. No. 116,745; May 22; v. 238; p. 1325.
- Varnishes. W. E. Spencer. No. 116,864; May 29; v. 238; p. 1636.
- Varnishes. Wood & Van Derwerken Varnish Co. No. 118,725; Sept. 25; v. 242; p. 990.
- Varnishes, Japan-colors, Japans, driers, &c. Atlantic Drier & Varnish Co. Nos. 116,574-5; May 15; v. 238; p. 975.
- Varnishes, Japans, driers, stains, &c. Standard Varnish Works. No. 115,245; Jan. 30; v. 234; p. 1580.
- Vault-light panels or slabs. Davis Carpenter & Co. No. 115,589; Feb. 27; v. 235; p. 1349.
- Vegetables, Dried. H. J. McGrath Co. No. 115,201; Jan. 30; v. 234; p. 1579.
- Vehicle-body and the like polish. B. Heller & Co. No. 116,765; May 22; v. 238; p. 1326.
- Vehicle, Child's. The Wilkinson Manufacturing Co. No. 115,424; Feb. 6; v. 235; p. 321.
- Vehicles, Bodies and tops and parts of same for certain named. Rex Manufacturing Company. No. 116,859; May 29; v. 238; p. 1636.
- Vehicles, Certain named. Federal Export Corporation. No. 119,288; Nov. 13; v. 244; p. 558.
- Vehicles, Children's. H. C. White Co. No. 115,422; Feb. 6; v. 235; p. 321.
- Vehicles for towing automobiles, &c. Weaver Manufacturing Company. No. 115,565; Feb. 20; v. 235; p. 1052.
- Vehicles, not including engines, and parts thereof, Certain named. Fore River Shipbuilding Corporation. No. 116,134; Apr. 10; v. 237; p. 617.
- Vehicles, not including engines, Certain named. Wilcox, Crittenden & Co. No. 116,263; Apr. 17; v. 237; p. 915.
- Veiling. Jules Levy & Bro. No. 119,737; Dec. 11; v. 245; p. 548.
- Velvets and plushes in the piece. The Salt's Textile Manufacturing Company. No. 116,243; Apr. 17; v. 237; p. 914.
- Velvets and plushes in the piece. The Salt's Textile Manufacturing Company. No. 116,861; May 29; v. 238; p. 1636.
- Velvets and velveteens. New York Mills Corporation. No. 116,969; June 5; v. 239; p. 316.
- Velvets, velveteens, corded velvets, corduroys, &c. Louis Roessel & Co. No. 118,093; Aug. 14; v. 241; p. 618.
- Velvets, velveteens, satens, cords, &c. Balstone, Cooke & Co. No. 115,058; Jan. 23; v. 234; p. 1307.
- Velvets, velvettas, velveteens, corduroys, &c. Balstone, Cooke & Co. No. 115,924; Mar. 27; v. 236; p. 1215.
- Vencer, Liquid stone. The Paraffine Paint Company. No. 119,761; Dec. 11; v. 245; p. 549.
- Ventilating apparatus, Certain. Champion Manufacturing & Sales Company. No. 119,040; Oct. 23; v. 243; p. 1059.
- Ventilators. T. B. Hallock. No. 117,137; June 19; v. 239; p. 935.
- Ventilators, stovepipe, elbows, &c. Sheet Metal Mfg. Co. No. 118,820; Oct. 2; v. 243; p. 238.
- Veterinary remedy. E. R. Rodgers. No. 116,556; May 8; v. 238; p. 647.
- Vinegar and dried fruits. National Grocery Co. No. 117,693; July 24; v. 240; p. 1163.
- Wadding, Medicated. The Thermogene Co. No. 116,379; Apr. 24; v. 237; p. 1216.
- Wagon and truck bodies. American Wagon Company. No. 117,808; Aug. 7; v. 241; p. 293.
- Wagons, buggies, sleds, auto-trailers, &c. Emerson-Brantingham Company. No. 115,600; Feb. 27; v. 235; p. 1350.
- Waists for outer wear, Ladies'. Weil & Weil. No. 118,121; Aug. 14; v. 241; p. 619.
- Waists for women and girls, Outer. Cobden-Scott Co. No. 117,418; July 10; v. 240; p. 635.
- Wall-board. The Beaver Company. No. 118,144; Aug. 21; v. 241; p. 905.
- Wall-cases. Quincy Show Case Works. No. 118,472; Sept. 11; v. 242; p. 513.
- Warming-pads and rectal dilators. Electric. Scientific Products Company. No. 118,338; Aug. 28; v. 241; p. 1153.
- Warming-pads, vulcanizers, toasters, and flat-irons, Electric. Scientific Products Co. No. 115,234; Jan. 30; v. 234; p. 1580.
- Washboilers, washkettles, suction clothes-washers, hat-baths, clothes-sprinklers. A. Creamer, Inc. No. 117,568; July 17; v. 240; p. 937.
- Washers, Felt. T. R. Brawley. No. 114,931; Jan. 16; v. 234; p. 1039.
- Washing and caustic sodas, chlorated lime, and causticized carbonate of soda. The P. W. Drackett & Sons Company. No. 118,008; Aug. 14; v. 241; p. 616.
- Washing fluid. Hand & Hitchner. No. 119,306; Nov. 13; v. 244; p. 559.
- Washing, ironing, and clothes-wringing machines, Clothes. Hurley Machine Company. No. 119,454; Nov. 20; v. 244; p. 814.
- Washing machine, Laundry-. Grinnell Washing Machine Company. No. 115,328; Feb. 6; v. 235; p. 319.
- Washing machine, Laundry-. Grinnell Washing Machine Company. No. 115,508; Feb. 20; v. 235; p. 1050.
- Washing-powder. Haskin Products Co. No. 117,320; July 3; v. 240; p. 334.
- Washing-powders. D. Todd. No. 119,006; Oct. 16; v. 243; p. 791.
- Washing-tablets. Farquhar-Moon Manufacturing Company. No. 116,894; June 5; v. 239; p. 313.
- Watch-glass. K. Konishi. No. 118,542; Sept. 18; v. 242; p. 745.
- Watch-glasses. Hammel, Riglander & Co. No. 115,184; Jan. 30; v. 234; p. 1578.
- Watches. J. Bulova Company. No. 116,587; May 15; v. 238; p. 975.
- Watches. Dubois Watch Case Company. No. 118,635; Sept. 25; v. 242; p. 987.
- Watches. Dubois Watch Case Company. No. 118,958; Oct. 16; v. 243; p. 789.
- Watches. Goldsmith, Stein & Co. No. 119,070; Oct. 23; v. 243; p. 1060.
- Watches. Marshall Field & Company. No. 119,746; Dec. 11; v. 245; p. 549.
- Watches. People's Outfitting Company. No. 117,913; Aug. 7; v. 241; p. 296.
- Watches. Rode Watch Company. No. 118,703; Sept. 25; v. 242; p. 989.
- Watches. Waltham Watch Company. Nos. 119,997-120,000; Dec. 25; v. 245; p. 1023.
- Watches and clocks. Robt. H. Ingersoll & Bro. No. 119,538; Nov. 27; v. 244; p. 1082.
- Watches and watch-movements. Elgin National Watch Company. No. 118,762; Oct. 2; v. 243; p. 236.
- Watches and watch-movements. Elgin National Watch Company. No. 119,061; Oct. 23; v. 243; p. 1060.
- Watches and watch-movements. Goldsmith, Stern & Co. No. 117,854; Aug. 7; v. 241; p. 294.
- Watches and watch-movements. The Hampden Watch Company. No. 115,888; Mar. 20; v. 236; p. 885.
- Watches, watch cases and dials. U. V. J. Rauschenbach's Erben Vormals: International Watch Co. No. 119,141; Oct. 23; v. 243; p. 1063.
- Watches, watchcases, parts of watches, and watch-movements. Waltham Watch Company. No. 114,912; Jan. 9; v. 234; p. 669.
- Watches, watchcases, watch-movements, and parts thereof. The Keystone Watch Case Company. Nos. 115,518-20; Feb. 20; v. 235; p. 1050.
- Watchcases and watch-movements. I. Ollendorff Co. Nos. 116,972-3; June 5; v. 239; p. 316.
- Water and other fluid meters and parts thereof. Neptune Meter Company. No. 117,581; July 17; v. 240; p. 937.
- Water and soft drinks, Natural and carbonated mineral. Bartlett Springs Co. No. 114,863; Jan. 9; v. 234; p. 667.
- Water-bottles, fountain and combination syringes, and face and ice bags. The Seamless Rubber Company. No. 116,687; May 15; v. 238; p. 978.
- Water-closets. Wheeling Sanitary Mfg. Co. No. 119,595; Nov. 27; v. 244; p. 1084.

Alphabetical list of trade-marks—Continued.

- Water, concentrated, Mineral. Dawson Springs Company. No. 117,119; June 19; v. 239; p. 934.
- Water in its natural state and carbonated water. Sieur de Monts Spring Company. No. 118,230; Aug. 21; v. 241; p. 908.
- Water, Mineral. The Altamont Springs Hotel Co. No. 119,624; Dec. 11; v. 245; p. 545.
- Water, Mineral. Johnson Bros. No. 114,889; Jan. 9; v. 234; p. 668.
- Water, Natural and artificial mineral. J. C. Hagan. No. 116,761; May 22; v. 238; p. 1325.
- Water, Natural laxative medicinal. Watertown Carbonating Co. No. 115,128; Jan. 23; v. 234; p. 1309.
- Water-softening compound. Hike-Dirt Co. No. 119,310; Nov. 13; v. 244; p. 559.
- Water, Spring-. California Medicinal Springs Co. No. 119,227; Nov. 6; v. 244; p. 287.
- Water, Spring-. H. D. Comerford. No. 119,664; Dec. 11; v. 245; p. 546.
- Water used as a beverage, Natural spring-. White Rock Mineral Springs Company. No. 115,828; Mar. 6; v. 236; p. 280.
- Waters, ginger-ale, and carbonated water of different flavors. Still and sparkling or carbonated. Caproni Brothers Company. No. 117,108; June 19; v. 239; p. 934.
- Waters, ginger-ale, tonics, and soft drinks. Still and sparkling or carbonated. Nobscot Mountain Spring Co. No. 116,078; Apr. 3; v. 237; p. 306.
- Waters, Mineral. MacDonell-Chow Corp. No. 116,660; May 15; v. 238; p. 977.
- Waters, Mineral. A/S Norske Mineralkilder. No. 116,784; May 22; v. 238; p. 1326.
- Waters, Mineral, carbonic, and table. J. Marti. No. 116,535; May 8; v. 238; p. 646.
- Waterproof automobile and carriage fabrics. F. S. Carr Company. No. 114,942; Jan. 16; v. 234; p. 1039.
- Waterproof clothing. New York Mackintosh Clothing Company. No. 115,459; Feb. 13; v. 235; p. 692.
- Waterproof coats, slickers, jackets, pants, hats, aprons, ponchos. H. M. Sawyer & Son. No. 117,270; June 26; v. 239; p. 1206.
- Waterproof fabrics in the piece. New York Mills Corporation. No. 119,912; Dec. 18; v. 245; p. 840.
- Waterproof fabrics used in the manufacture of waterproof garments. C. Kenyon Company. No. 115,971; Mar. 27; v. 236; p. 1216.
- Waterproof garments. G. A. Johnson, Jr. No. 115,090; Jan. 23; v. 234; p. 1308.
- Waterproof roofing-sheets, Bituminous. The Barber Asphalt Paving Company. No. 118,260; Aug. 28; v. 241; p. 1151.
- Waterproofed coats for men and women. The Buckley-Newhall Company. No. 115,065; Jan. 23; v. 234; p. 1307.
- Waterproofed fabric. Tate Electrolytic Waterproofing Company. No. 115,032; Jan. 16; v. 234; p. 1042.
- Waterproofed textile fabrics for tops, curtains, and upholstery for automobiles, &c. L. J. Mutty Company. No. 117,902; Aug. 7; v. 241; p. 296.
- Waterproofed threads and yarns. Tate Electrolytic Waterproofing Company. No. 115,033; Jan. 16; v. 234; p. 1042.
- Waterproofing composition for wood, concrete, brick, &c., surfaces. G. L. Simonds. No. 115,544; Feb. 20; v. 235; p. 1051.
- Waterproofing preparation for incorporating in cement, plaster, bricks, and stucco. J. Strzyckowski. No. 115,411; Feb. 6; v. 235; p. 321.
- Wax, Mineral. Pierce Fordyce Oil Association. No. 116,681; May 15; v. 238; p. 978.
- Wax preparation for application to the edges of collars, cuffs, and neckbands of shirts. K. J. Schultz. No. 117,367; July 3; v. 240; p. 335.
- Waxes, and particularly electrotypers' wax, Mineral. J. R. Anderson & Company. No. 117,971; Aug. 14; v. 241; p. 615.
- Waxen preparation used as a dressing for burns. Johnson & Johnson. No. 117,333; July 3; v. 240; p. 334.
- Weather-stripping. W. J. Dennis & Company. No. 119,055; Oct. 23; v. 243; p. 1060.
- Weather-stripping. W. J. Dennis & Company. No. 119,177; Oct. 30; v. 243; p. 1305.
- Welding and cutting apparatus. Oxy-acetylene. Air Reduction Company. No. 119,485; Nov. 27; v. 244; p. 1081.
- Wheat-meal and entire-wheat flour. Potter & Wrightington. No. 117,605; July 17; v. 240; p. 938.
- Wheel-rims, tire-holders, seat-covers, bumpers, fenders. The Gibson Company. No. 116,620; May 15; v. 238; p. 976.
- Wheels and gearings, Toothed. Aktiebolaget Svenska Kullagerfabriken. No. 117,968; Aug. 14; v. 241; p. 615.
- Wheels, Grinding-. Star Corundum Wheel Co. No. 115,116; Jan. 23; v. 234; p. 1309.
- Whisky. The Geo. Bieler Sons Co. No. 114,686; Jan. 2; v. 234; p. 367.
- Whisky. Cahn, Belt & Company. No. 115,066; Jan. 23; v. 234; p. 1307.
- Whisky. William J. Sheehan Co. No. 117,481; July 10; v. 240; p. 637.
- Whisky. The Shoemaker Co. No. 118,228; Aug. 21; v. 241; p. 908.
- Whisky. Stein Brothers. No. 116,374; Apr. 24; v. 237; v. 1216.
- Whisky. The Tebbetts & Garland Store. No. 116,805; May 22; v. 238; p. 1327.
- Whisky. The Tivoli Mercantile Co. No. 115,555; Feb. 20; v. 235; p. 1051.
- Whisky, Bottled. M. Sander. No. 114,827; Jan. 2; v. 234; p. 371.
- Whisky, brandy, and gin. Hurley Bros. Incorporated. No. 114,766; Jan. 2; v. 234; p. 370.
- Whisky, rum, ethyl alcohol, brandy, gin, cordials. Daniel Aberle & Sons. No. 117,728; July 31; v. 240; p. 1445.
- Whisky, Scotch. The Gordon's Dry Gin Co. No. 115,606; Feb. 27; v. 235; p. 1350.
- Whisky, Scotch. The Hollywood Company. No. 114,763; Jan. 2; v. 234; p. 370.
- Whisky, Scotch. Sample & Company. No. 117,609; July 17; v. 240; p. 938.
- Whistle-calls. J. Hudson. No. 119,079; Oct. 23; v. 243; p. 1061.
- Whistles, Watchmen's. W. R. Noe & Sons. No. 115,533; Feb. 20; v. 235; p. 1051.
- Wind, stringed, and percussion instruments. C. G. Conn, Ltd. No. 116,403; May 1; v. 238; p. 305.
- Windlass and its appurtenances. Folding. Multipull Manufacturing Company. No. 119,611; Dec. 4; v. 245; p. 275.
- Window-backgrounds, office-partitions, folding and sewing screens, &c. The Beaver Company. No. 115,925; Mar. 27; v. 236; p. 1215.
- Window-cleaners. Squeegee. W. J. Dennis & Company. No. 119,056; Oct. 23; v. 243; p. 1060.
- Window-cleaning preparation. T. S. Ballard. No. 115,477; Feb. 20; v. 235; p. 1049.
- Wine. F. Kalina. No. 115,192; Jan. 30; v. 234; p. 1578.
- Wine, Appetizing. Societe Anonyme Dubonnet. No. 119,580; Nov. 27; v. 244; p. 1084.
- Wines. Garrett and Company. No. 119,692; Dec. 11; v. 245; p. 547.
- Wines, Bottled sparkling. Ripin & Company. No. 115,665; Feb. 27; v. 235; p. 1352.
- Wines, Certain named. Goldman Costume Company. No. 117,312; July 3; v. 240; p. 334.
- Wines, Italian. G. Aquino. No. 118,736; Oct. 2; v. 243; p. 235.
- Wines, Sparkling. L. Bosca & Figli. No. 116,657; May 15; v. 238; p. 977.
- Wines, Sparkling. G. Grasso. No. 115,506; Feb. 20; v. 235; p. 1050.
- Wiping and polishing cloths. Mill Remnants Company. No. 117,897; Aug. 7; v. 241; p. 295.
- Wire. Eugenio C. Moe & Co. No. 115,011; Jan. 16; v. 234; p. 1042.
- Wire and metallic strips highly resistant to heat and of low electrical conductivity. Driver Harris Wire Company. No. 115,496; Feb. 20; v. 235; p. 1049.
- Wire cloth or fabric. Buffalo Wire Works Co. Nos. 114,694-5; Jan. 2; v. 234; pp. 367-8.
- Wire rope and cable, chains, &c. Preservative for. Cling-Surface Company. No. 119,213; Oct. 30; v. 243; p. 1306.
- Wire screen-cloth. Reynolds Wire Co. Nos. 116,237-40; Apr. 17; v. 237; p. 914.
- Wire screen-cloth. Reynolds Wire Co. No. 116,858; May 29; v. 238; p. 1636.
- Wood, Preservative for impregnating. The Kettle River Company. No. 119,325; Nov. 13; v. 244; p. 559.
- Wood-preservatives. C. A. Peters Limited. No. 117,703; July 24; v. 240; p. 1163.
- Wood-preservatives and creosote shingle-stains. General Roofing Manufacturing Company. No. 116,515; May 8; v. 238; p. 645.
- Wood-preservatives, fungicides, insecticides, and disinfectants. The Northeastern Company. No. 119,359; Nov. 13; v. 244; p. 560.
- Wood-surface polish. S. C. Borom. No. 114,933; Jan. 16; v. 234; p. 1039.
- Wool. American Wool Improvement Association. No. 117,083; June 19; v. 239; p. 933.
- Wool. William G. Davidson & Company. No. 118,956; Oct. 16; v. 243; p. 789.
- Wool, cotton, linen, silk, and combination piece goods. Klaber Bros. & Co. No. 116,434; May 1; v. 238; p. 306.
- Woolen and worsted piece goods. Forstmann & Huffmann Co. Nos. 116,838-42; May 29; v. 238; p. 1636.
- Woolen and worsted piece goods. Forstmann & Huffmann Co. Nos. 117,430-3; July 10; v. 240; p. 636.
- Woolen and worsted piece goods. Forstmann & Huffmann Co. No. 118,024; Aug. 14; v. 241; p. 616.
- Woolen and worsted piece goods. Forstmann & Huffmann Co. No. 118,650; Sept. 25; v. 242; p. 988.
- Woolen, cotton, silk, velvet, &c., piece goods. Wheeler & Motter Mercantile Company. No. 115,046; Jan. 16; v. 234; p. 1043.
- Woolen fabrics in the piece. Detmer, Woolen Co. No. 114,722; Jan. 2; v. 234; p. 368.
- Woolen goods in the piece. Detmer Woolen Co. No. 115,439; Feb. 13; v. 235; p. 691.
- Woolen goods in the piece. Worumbo Manufacturing Company. Nos. 116,265-6; Apr. 17; v. 237; p. 915.
- Woolen goods in the piece. Worumbo Manufacturing Company. No. 116,493; May 1; v. 238; p. 308.

- Woolen piece goods. Hager, Clark & Co. No. 116,312; Apr. 24; v. 237; p. 1214.
- Woolen piece goods. Hager, Clark & Co. No. 116,898; June 5; v. 239; p. 313.
- Woolen piece goods. Hager, Clark & Co. No. 117,036; June 12; v. 239; p. 651.
- Woolen piece goods. The Rappahannock Woolen Mills Co. No. 117,781; July 31; v. 240; p. 1446.
- Woolen piece goods. Worumbo Manufacturing Company. No. 115,908; Mar. 20; v. 236; p. 886.
- Woolen piece goods. Worumbo Manufacturing Company. No. 117,801; July 31; v. 240; p. 1447.
- Woolen piece goods and worsteds. Hager, Clark & Co. No. 118,180; Aug. 21; v. 241; p. 906.
- Wrenches, clamps, and clamp-carriers. James L. Taylor Mfg. Co. No. 116,471; May 1; v. 238; p. 307.
- Wringers and parts thereof. Sears, Roebuck and Company. No. 117,209; June 19; v. 239; p. 937.
- Wringers and parts thereof. Clothes-. The American Wringer Company. No. 118,458; Sept. 11; v. 242; p. 513.
- Writing fluid, red ink, fountain-pen ink. Diamond Ink Co. No. 118,392; Sept. 4; v. 242; p. 249.
- Yarn. City Manufacturing Corporation. No. 114,945; Jan. 16; v. 234; p. 1040.
- Yarns, Carded and combed. Mays Mills. No. 116,963; June 5; v. 239; p. 315.
- Yarns, Cotton. Cynthia Mills. No. 118,753; Oct. 2; v. 243; p. 235.
- Yarns, Fine combed. Rex Spinning Co. No. 115,807; Mar. 6; v. 236; p. 279.
- Yarns, Hosiery-. King Cotton Mills Corporation. No. 118,201; Aug. 21; v. 241; p. 907.
- Yarns of wool, worsted, or hair. J. and J. Baldwin and Partners. No. 116,273; Apr. 24; v. 237; p. 1213.
- Yarns, Worsted. Arlington Mills. No. 119,861; Dec. 18; v. 245; p. 839.
- Yeast. Whitney Yeast Company. No. 117,963; Aug. 7; v. 241; p. 297.
- Yeast, Compressed. Philadelphia Yeast Manufacturing Company. No. 118,219; Aug. 21; v. 241; p. 907.
- Zithers. The Phonoharp Company. No. 116,056; Apr. 3; v. 237; p. 307.

ALPHABETICAL LIST OF LABELS.

- "A 100% Cigar Par A 100% Cigar." (For Cigars.) W. B. Glenn. No. 20,025; Apr. 17; v. 237; p. 916.
- "A Weather Proof Cement Vermont White Cement." (For a Cement for Setting and Repairing Monuments and the Like.) The L. D. Caulk Company. No. 19,923; Feb. 27; v. 235; p. 1354.
- "Above All." (For Oranges.) Hunt, Hatch & Company. No. 20,386; Nov. 27; v. 244; p. 1085.
- "Accordion." (For Hosiery.) Chas. Chipman's Sons Co. No. 20,395; Dec. 18; v. 245; p. 843.
- "Acidulated Cartridges." (For Confectionery.) M. L. Wenz. No. 20,311; Oct. 2; v. 243; p. 239.
- "Ad-El-Ite Double Lustre Paint." (For Paint.) Adams & Elting Company. No. 19,866; Feb. 13; v. 235; p. 693.
- "Ad-El-Ite Motor Carbon Remover." (For a Carbon-Remover.) Adams & Elting Company. No. 19,867; Feb. 13; v. 235; p. 693.
- "Adel's Rye Bread." (For Bread.) New York Golden Star Bread Co. No. 19,982; Mar. 20; v. 236; p. 887.
- "Aden." (For Succotash.) E. W. Gates & Son Co. No. 20,044; Apr. 24; v. 237; p. 1217.
- "Aden." (For Canned Sauer-Kraut.) E. W. Gates & Son Co. No. 20,154; June 19; v. 239; p. 938.
- "Aden." (For Canned Mixed Vegetables.) E. W. Gates & Son Co. No. 20,155; June 19; v. 239; p. 938.
- "Aden." (For Canned Peaches.) E. W. Gates & Son Co. No. 20,156; June 19; v. 239; p. 938.
- "Aden." (For Canned Beans.) E. W. Gates & Son Co. No. 20,157; June 19; v. 239; p. 938.
- "Aden." (For Canned Corn.) E. W. Gates & Son Co. No. 20,158; June 19; v. 239; p. 938.
- "Aden." (For Canned Peas.) E. W. Gates & Son Co. No. 20,159; June 19; v. 239; p. 938.
- "Aden." (For Canned Tomatoes.) E. W. Gates & Son Co. No. 20,160; June 19; v. 239; p. 938.
- "Aden." (For Canned Pineapple.) E. W. Gates & Son Co. No. 20,202; July 10; v. 240; p. 639.
- "Advance Cork Insert Fan Belt." (For Fan-Belts.) Advance Automobile Accessories Corp. No. 20,220; July 31; v. 240; p. 1448.
- "Advance Cork Insert Transmission Linings." (For Transmission-Linings.) Advance Automobile Accessories Corp. No. 20,189; June 26; v. 239; p. 1207.
- "Agate Floor." (For Varnishes.) Wadsworth, Howland & Co. No. 19,920; Feb. 20; v. 235; p. 1053.
- "Aguinaldo." (For Cigars.) Manila Commercial Company. No. 19,911; Feb. 20; v. 235; p. 1053.
- "Al-Brento." (For Material for Cleaning Glass and the Like Surfaces and for Preventing Depositing of Moisture on the Same.) W. G. Albrecht. No. 20,187; June 26; v. 239; p. 1207.
- "Albano's." (For Peppers.) F. Albano. No. 20,152; June 19; v. 239; p. 938.
- "Albert L. Dunn Mint Julep Gum." (For Mint-Julep Gum.) A. L. Dunn. No. 19,928; Feb. 27; v. 235; p. 1354.
- "Alfalfa Tonic E & K." (For Alfalfa Tonic.) Alfalfa Laboratories. No. 20,192; July 10; v. 240; p. 639.
- "All Wright Salve." (For Salve.) E. A. Wright. No. 20,261; Aug. 28; v. 241; p. 1155.
- "Allen Soldering Stick." (For Soldering-Flux, Solid Form.) L. B. Allen Co., Inc. No. 20,367; Nov. 20; v. 244; p. 816.
- "Allen's Herbal Hair Health Tonic." (For a Hair-Tonic.) J. E. Allen. No. 19,942; Mar. 6; v. 236; p. 281.
- "Allenrhu." (For Remedy for Rheumatism, Liver, Kidney, and Bowel Complaints.) Alle-Rhume Remedy Company. No. 20,188; June 26; v. 239; p. 1207.
- "Altman's Blue Ribbon." (For Brick-Cheese.) John G. Neumeister Co. No. 20,414; Dec. 18; v. 245; p. 843.
- "Ambassador." (For Sardines.) Smith & Nettle Co. No. 20,351; Oct. 30; v. 243; p. 1308.
- "Amber." (For a Non-Intoxicating Cereal Beverage.) St. Louis Beverage Company. No. 20,035; Apr. 17; v. 237; p. 916.
- "America's Junior Reserve." (For Boys' Uniforms, Including Blouses, Trousers, Caps, and Puttees.) Riverside Mfg. Co. No. 20,420; Dec. 18; v. 245; p. 843.
- "American Hunyadi Split." (For a Cathartic Water.) Hunyadi Split Corporation. No. 19,886; Feb. 13; v. 235; p. 693.
- "American Lady." (For Fasteners.) Snap Fastener Sales Co. Corp. No. 20,134; May 29; v. 238; p. 1638.
- "American Milk." (For Evaporated Milk.) R. D. Pineo. No. 20,308; Oct. 2; v. 243; p. 239.
- "American Tutti-Frutti Uncle Sam's Choice Confections." (For Tutti-Frutti Tablets.) H. R. Crowley. No. 20,266; Sept. 4; v. 242; p. 252.
- "Amor y Arte." (For Cigars.) The Moehle Lithographic Company. No. 19,931; Feb. 27; v. 235; p. 1354.
- "Anaheim Supreme." (For Oranges.) Anaheim Citrus Fruit Association. No. 20,136; June 5; v. 239; p. 318.
- "Anchor Portland Cement." (For Portland Cement.) Coplay Cement Manufacturing Company. No. 20,181; June 19; v. 239; p. 938.
- "Annette Kellermann Two in One Bathing Suit." (For Bathing-Suits.) L. C. Asch. No. 20,298; Oct. 2; v. 243; p. 239.
- "Apella' Nature's Best Beverage." (For Non-Alcoholic Beverages.) National Fruit Juice Co. No. 20,031; Apr. 17; v. 237; p. 916.
- "Apollo Water." (For Artificially-Prepared Medicinal Water.) Modern Drug & Commercial Co. No. 20,324; Oct. 16; v. 243; p. 792.
- "Appetito." (For a Medicinal Preparation.) Oriental Herb Importing Co. No. 20,376; Nov. 20; v. 244; p. 816.
- "Appo." (For Unfermented Apple-Juice.) H. Weinhard Estate. No. 20,176; June 19; v. 239; p. 938.
- "Apropo." (For Cigars.) Ruy Suarez & Co. No. 19,952; Mar. 6; v. 236; p. 281.
- "Aquila Brand." (For Tomatoes.) L. Vitelli & Son. No. 20,391; Nov. 27; v. 244; p. 1085.
- "Arbeco." (For Pepper.) R. Buttlar. No. 20,343; Oct. 30; v. 243; p. 1308.
- "Arbella." (For Cigars.) L. Rodriguez. No. 20,268; Sept. 4; v. 242; p. 252.
- "Aroma Gold Medal Coffee." (For Coffee.) The Caldwell Coffee Co. No. 19,964; Mar. 20; v. 236; p. 887.
- "Assorted Chocolates To-morrows." (For Candy-Boxes.) Val Blatz Jr. Candy Co. No. 20,270; Sept. 4; v. 242; p. 252.
- "At the Sign of Potassaphen 'First Aid.'" (For Antiseptic Compounds.) A. M. Hance. No. 20,212; July 24; v. 240; p. 1165.
- "Aunt Jemima." (For Pancake, Buckwheat, Corn, and Wheat Flours.) Aunt Jemima Mills Company. No. 20,103; May 22; v. 238; p. 1328.
- "Auto Head Light Amplifier." (For Auto-Headlight Amplifier.) Night-Glow Novelty Company. No. 20,010; Apr. 10; v. 237; p. 620.
- "Autotox Tablets." (For a Medicinal Preparation.) M. F. Deehan. No. 19,878; Feb. 13; v. 235; p. 693.
- "Autotox Tablets." (For Medicinal Preparation.) M. F. Deehan. No. 19,998; Apr. 10; v. 237; p. 620.
- "Avalon." (For Sardines in Oil.) South Coast Canning Co. No. 20,034; Apr. 17; v. 237; p. 916.
- "Avanti." (For Cans of Pure Olive-Oil.) C. Maspero. No. 20,389; Nov. 27; v. 244; p. 1085.
- "B. N. Universal." (For a Polish.) B. Nirdlinger. No. 20,347; Oct. 30; v. 243; p. 1308.

Alphabetical list of labels—Continued.

- "Baby Bunting Powder." (For Toilet Powder.) Gordon-Thorne Company. No. 20,301; Oct. 2; v. 243; p. 239.
- "Baby Midget Hose Supporter." (For Hose-Supporters.) George Frost Company. No. 19,883; Feb. 13; v. 235; p. 693.
- "Bald-E-No." (For a Hair-Restorative.) L. S. Gray. No. 20,042; Apr. 24; v. 237; p. 1217.
- "Barbour Coffee." (For Coffee.) S. Barbour. No. 20,117; May 29; v. 238; p. 1638.
- "Barma." (For a Non-Intoxicating Cereal Beverage.) Val Blatz Brewing Co. No. 19,994; Mar. 20; v. 236; p. 887.
- "Beauties." (For Cigars.) The Moehle Lithographic Company. No. 19,932; Feb. 27; v. 235; p. 1354.
- "Beaver Brand Steel Wool." (For Steel-Wool.) Universal Steel Wool Company. No. 20,429; Dec. 18; v. 245; p. 843.
- "Beech-Nut Brand." (For a Beverage.) Beech-Nut Packing Company. No. 20,118; May 29; v. 238; p. 1638.
- "Beerella." (For a Non-Intoxicating Beverage.) J. F. Oertel Co. No. 20,218; July 24; v. 240; p. 1165.
- "Bella Farm Brand." (For Tomato Sauce.) G. Migliaccio. No. 20,214; July 24; v. 240; p. 1165.
- "Best Made." (For Ready-Mixed Paints.) The Becker-Moore Paint Company. No. 20,194; July 10; v. 240; p. 639.
- "Best Value." (For Cigars.) The Weideman Co. No. 20,018; Apr. 10; v. 237; p. 620.
- "Bestyette." (For Hair-Nets.) N. B. Cohen. No. 20,345; Oct. 30; v. 243; p. 1308.
- "Betsy Ross." (For Bread.) The H. Korn Baking Co. No. 19,973; Mar. 20; v. 236; p. 887.
- "Big Game Hunter." (For a Toy.) The A. Schoenhut Company. No. 19,993; Mar. 20; v. 236; p. 887.
- "Big Six." (For Cigars.) La Kurba Cigar Company. No. 20,029; Apr. 17; v. 237; p. 916.
- "Birchwood." (For Coffee.) The Copps Co. No. 19,904; Feb. 20; v. 235; p. 1053.
- "Birth-Heart." (For a Game.) W. G. Young. No. 20,351; Nov. 20; v. 244; p. 816.
- "Bite O." (For Bread.) Saniwax Paper Co. No. 19,948; Mar. 6; v. 236; p. 281.
- "Black Cat." (For Hosiery.) Black Cat Textiles Company. Nos. 20,238-40; Aug. 21; v. 241; p. 910.
- "Black Leaf 40." (For Nicotin Solutions for Insecticides.) The Kentucky Tobacco Product Company. No. 20,213; July 24; v. 240; p. 1165.
- "Blue Bird." (For Ginger-Ale.) Blue Bird Beverage Company. No. 20,288; Sept. 25; v. 242; p. 991.
- "Blue Bird Ginger Ale." (For Ginger-Ale.) Atlantic Beverage Corporation. No. 20,153; June 19; v. 239; p. 938.
- "Blue Bird Pearl Buttons." (For Pearl-Button-Display Sales-Boxes.) Iowa Pearl Button Company. No. 20,303; Oct. 2; v. 243; p. 239.
- "Blue Domino." (For Apples.) Earl Fruit Company of the Northwest. No. 20,233; Aug. 14; v. 241; p. 621.
- "Blue Label 'Cutters That Cut.'" (For Cutters.) John Royle & Sons. No. 19,988; Mar. 20; v. 236; p. 887.
- "Blue Snow Shoe." (For Apples.) Earl Fruit Company of the Northwest. No. 20,229; Aug. 14; v. 241; p. 621.
- "Blue Stripe." (For Apples.) Yakima Valley Fruit Growers' Association. No. 19,841; Jan. 16; v. 234; p. 1044.
- "Bo." (For Cigars.) R. P. Richardson, Jr. & Co. No. 20,087; May 8; v. 238; p. 648.
- "Boone's Trail." (For Canned Tomatoes.) Ritchie Canning Co. No. 19,945; Mar. 6; v. 236; p. 281.
- "Br'er Rabbit." (For Candies.) Farley Candy Company. No. 19,970; Mar. 20; v. 236; p. 887.
- "Bra-So." (For a Soft Drink.) Inter-State Product Co. No. 20,165; June 19; v. 239; p. 938.
- "Bradley's Corn Remover." (For the Treatment of Corns.) Bradley Manufacturing Co. No. 19,847; Jan. 30; v. 234; p. 1582.
- "Breakfast Barley." (For Specially-Prepared Barley.) Barley Foods Co. No. 19,872; Feb. 13; v. 235; p. 693.
- "Brockton Brand Macaroni." (For Macaroni.) Brockton Macaroni Manufacturing Company. No. 20,052; May 1; v. 238; p. 309.
- "Buffalo Special." (For Overalls.) L. Gerstman. No. 20,203; July 10; v. 240; p. 639.
- "Bul-Zi Nut." (For Nuts for Holding Push-Buttons on Top of Automobile Steering-Posts.) L. E. Nofsinger. No. 20,216; July 24; v. 240; p. 1165.
- "Bunker Hill Varnishes." (For Varnish.) New England Oil Paint & Varnish Co. No. 19,981; Mar. 20; v. 236; p. 887.
- "Burgess Batteries Full of Pep." (For Electric Batteries.) Burgess Battery Company. No. 20,139; June 5; v. 239; p. 318.
- "Burgess Battery." (For Electric Batteries.) C. F. Burgess Laboratories. Nos. 20,038-9; Apr. 24; v. 237; p. 1217.
- "Burn=Dres." (For a Burn Treatment.) J. L. Wambaugh. No. 20,135; May 29; v. 238; p. 1638.
- "Burt Bros." (For Canned California Olives.) Northern California Olive Corporation. No. 20,416; Dec. 18; v. 245; p. 843.
- "C. C. C." (For Carbonated Pure Apple Cider.) M. G. Fox. No. 20,401; Dec. 18; v. 245; p. 843.
- "C. V." (For a Non-Intoxicating Beverage.) Terre Haute Brewing Co. No. 20,269; Sept. 4; v. 242; p. 252.
- "C. V." (For a Non-Intoxicating Beverage Known as Champagne Velvet.) Terre Haute Brewing Company. Nos. 20,352-3; Oct. 30; v. 243; p. 1308.
- "Café Spumante." (For Coffee.) N. Cappiello. No. 19,853; Jan. 30; v. 234; p. 1582.
- "Caldwell's Aroma Electric Cut Coffee." (For Coffee.) The Caldwell Coffee Company. No. 19,963; Mar. 20; v. 236; p. 887.
- "Caldwell's Aroma Golden Blend Coffee." (For Coffee.) The Caldwell Coffee Co. No. 19,962; Mar. 20; v. 236; p. 887.
- "Caldwell's Dinner Cup Blend Coffee." (For Coffee.) The Caldwell Coffee Co. No. 119,966; Mar. 20; v. 236; p. 887.
- "California Beauty." (For Oranges.) Worthley & Strong Fruit Co. No. 20,341; Oct. 23; v. 243; p. 1064.
- "Can-You Beat-It? (Solitaire)." (For a Game.) W. G. Young. No. 20,065; May 1; v. 238; p. 309.
- "Canvas Back Patching Stock." (For Tire-Repair Material.) The Beckley-Ralston Co. No. 19,959; Mar. 20; v. 236; p. 887.
- "Caramel." (For Non-Alcoholic Beverages.) H. Schreier. No. 19,954; Mar. 6; v. 236; p. 281.
- "Cardinal." (For Non-Alcoholic Beverages.) H. Schreier. No. 19,953; Mar. 6; v. 236; p. 281.
- "Carnation." (For Milk Products and More Particularly Butter.) Carnation Milk Products Company. No. 20,313; Oct. 9; v. 243; p. 523.
- "Carried Home." (For Cigars.) E. B. Read & Son Co. No. 20,349; Oct. 30; v. 243; p. 1308.
- "Casco Easy Polish." (For Polish for Pianos, Furniture, Woodwork, Leatherwork, and Automobiles.) C. A. Swoyer Co. No. 20,365; Nov. 6; v. 244; p. 288.
- "Casson's Cream Liniment." (For Liniment.) W. Casson. No. 19,832; Jan. 16; v. 234; p. 1044.
- "Cerella." (For a Non-Intoxicating Beverage.) J. F. Oertel Co. No. 20,217; July 24; v. 240; p. 1165.
- "Chamois." (For Book-Paper.) The Mead Pulp and Paper Company. No. 20,057; May 1; v. 238; p. 309.
- "Chardeau." (For Vermuth.) The Chardeau Company. No. 20,196; July 10; v. 240; p. 639.
- "Chick-Adee." (For Candies.) Farley Candy Company. No. 19,969; Mar. 20; v. 236; p. 887.
- "Chlorinated Lime." (For Chlorinated Lime.) G. Mendieson's Sons. No. 20,361; Nov. 6; v. 244; p. 288.
- "Chocolate-Splash." (For a Game.) W. G. Young. No. 20,064; May 1; v. 238; p. 309.
- "Clarabelle." (For Claret-Wine.) Wm. H. Lee & Co. No. 20,412; Dec. 18; v. 245; p. 843.
- "Clickquot Dry Gin." (For Dry Gin.) The Eddy and Fisher Co. No. 19,905; Feb. 20; v. 235; p. 1053.
- "Climbers & Creepers." (For a Game.) W. G. Young. No. 20,440; Dec. 18; v. 245; p. 844.
- "Colliers." (For Cigars.) L. J. Stadeker. No. 19,919; Feb. 20; v. 235; p. 1053.
- "Colonial Furniture Polish." (For Furniture-Polish.) D. Moore. No. 20,325; Oct. 16; v. 243; p. 792.
- "Colonial Girl." (For Coffee.) Dwinwell-Wright Company. No. 19,999; Apr. 10; v. 237; p. 620.
- "Columbia Corn Distillers Grains." (For Dried Distillers' Grains Made from Corn and Malt.) J. M. Murphy. No. 20,295; Sept. 25; v. 242; p. 991.
- "Columbia Motor Oil." (For Lubricating-Oil.) E. C. Anthony. No. 19,843; Jan. 16; v. 234; p. 1044.
- "Combination Stogies." (For Stogies.) D. Golden. No. 20,006; Apr. 10; v. 237; p. 620.
- "Commercial Club." (For Cigars.) The Commercial Cigar Co. No. 19,834; Jan. 16; v. 234; p. 1044.
- "Complete Party Outfit." (For Halloween Decorations.) The Beistle Company. No. 20,179; June 19; v. 239; p. 938.
- "Cooper's Beannington Summer Wear." (For Summer Wear.) Black Cat Textiles Company. No. 20,342; Oct. 30; v. 243; p. 1308.
- "Corduroy." (For Paper.) The Alling & Cory Co. No. 20,221; July 31; v. 240; p. 1448.
- "Cotton-Top." (For Non-Intoxicating Beverages.) J. F. Tieberman. No. 20,088; May 8; v. 238; p. 648.
- "Cowboy." (For Prunes.) Castle Brothers. No. 19,922; Feb. 27; v. 235; p. 1554.
- "Cream Nut Brand Peanut Butter." (For Peanut-Butter Packages.) The Bel-Car-Mo Nut Butter Company. No. 20,384; Nov. 27; v. 244; p. 1085.
- "Cream-O-Lasses." (For Candy-Boxes.) D. M. Tree. No. 19,896; Feb. 13; v. 235; p. 693.
- "Creamettes." (For Macaroni and other Paste Products.) Mother's Macaroni Company. No. 19,837; Jan. 16; v. 234; p. 1044.
- "Creamettes." (For Macaroni.) Mother's Macaroni Company. No. 20,097; May 15; v. 238; p. 981.
- "Creme de Mon Reve." (For a Cream for Purifying the Skin.) J. H. Gleason. No. 20,001; Apr. 10; v. 237; p. 620.
- "Creme Fleur de Neiges." (For a Cream for Purifying the Skin.) J. H. Gleason. No. 20,004; Apr. 10; v. 237; p. 620.

- "Creme La Reine." (For a Cream for Softening and Whiting the Skin.) J. H. Gleason. No. 20,002; Apr. 10; v. 237; p. 620.
- "Creme Mauveine." (For Cold-Cream.) J. H. Gleason. No. 20,003; Apr. 10; v. 237; p. 620.
- "Cuoco's." (For Tomatoes.) F. Albano. No. 20,178; June 19; v. 239; p. 938.
- "Dan-D." (For a Beverage.) H. B. Minnick. No. 20,096; May 15; v. 238; p. 981.
- "Daun." (For Toilet Powder.) J. E. Bunting. No. 20,368; Nov. 20; v. 244; p. 816.
- "Davis' New Life Polish." (For a Polish.) Davis New Life Co. No. 20,198; July 10; v. 240; p. 639.
- "De Luxe." (For Canned Caviar.) S. Schmidt & Co. No. 20,016; Apr. 10; v. 237; p. 620.
- "Denservo." (For Tooth-Paste.) C. W. Westenfelder. No. 19,997; Mar. 20; v. 236; p. 887.
- "Dentola." (For a Dentifrice.) A. J. Clapham. No. 19,903; Feb. 20; v. 235; p. 1053.
- "Dependon." (For Clear Gloss Varnish.) M. Feigel & Bros. No. 20,385; Nov. 27; v. 244; p. 1085.
- "Derryvale." (For Irish Linen.) Derryvale Linen Company. No. 20,046; Apr. 24; v. 237; p. 1217.
- "Diana Sosborszesz." (For Salt Spirits.) The A. Strassburger Company. No. 20,364; Nov. 6; v. 244; p. 288.
- "Diplomacy Chocolates." (For Chocolate Candy.) Geo. Haas & Sons. No. 20,143; June 5; v. 239; p. 318.
- "Directions." (For E-Z Marvel Cleaner.) G. Hess. No. 20,091; May 8; v. 238; p. 648.
- "Dixie Highway." (For Canned Tomatoes.) A. B. Ritchie. No. 19,944; Mar. 6; v. 236; p. 281.
- "Dodge." (For Canned Oysters.) Dodge, Sweeney & Co. No. 20,141; June 5; v. 239; p. 318.
- "Dolly Varden Whiskey." (For Bottles of Whisky.) J. Harris. No. 20,297; Sept. 25; v. 242; p. 991.
- "Domino." (For Alcoholic Liquors.) C. Person's Sons. No. 20,442; Dec. 25; v. 245; p. 1024.
- "Don't Forget Gopherget For Gophers." (For Poison for Gophers, Squirrels, Moles, and other Pest Animals.) The Felix Girard Company. No. 20,055; May 1; v. 238; p. 309.
- "Dr. Chas. Pratt's Olive-Nectar." (For a Beverage.) Pratt Olive Company. No. 20,377; Nov. 20; v. 244; p. 816.
- "Dr. Conrad's Health Food." (For Food.) C. F. Conrad. No. 20,299; Oct. 2; v. 243; p. 239.
- "Dr. Engels' Anti-Diphtheritis." (For a Remedy of Diphtheria.) H. Engels. No. 20,398; Dec. 18; v. 245; p. 443.
- "Dr. King's Headache Powders." (For a Headache-Powder.) H. C. Haak & Company. No. 20,285; Sept. 18; v. 242; p. 748.
- "Dr. King's Health Pills." (For a Health-Restorative Pill.) H. C. Haak & Company. No. 20,284; Sept. 18; v. 242; p. 748.
- "Drackett's Chlorinated Lime." (For Chlorinated Lime.) P. W. Drackett & Sons Company. No. 20,199; July 10; v. 240; p. 639.
- "Dry-Cure." (For Non-Intoxicating Cereal Beverages.) Walter Bros. Brewing Co. No. 20,319; Oct. 9; v. 243; p. 523.
- "Du Pont Concentrated Vegetable Dish." (For Concentrated Vegetable Dish Containing Beans.) A. F. P. Du Pont. No. 20,277; Sept. 4; v. 242; p. 252.
- "Du Pont Concentrated Vegetable Soup." (For Soups Made of Vegetables.) A. F. P. Du Pont. No. 20,276; Sept. 4; v. 242; p. 252.
- "Du Pont Pure Tri-Color Brand." (For Concentrated Vegetable Dish Other Than Soups.) A. F. P. Du Pont. No. 20,275; Sept. 4; v. 242; p. 252.
- "Du Pont Soups Tri-Color Brand." (For Concentrated Soups Containing Green Vegetables.) A. F. P. Du Pont. No. 20,274; Sept. 4; v. 242; p. 252.
- "Durabl-Inks." (For Inks.) Durabl-Ink Company. No. 20,286; Sept. 25; v. 242; p. 991.
- "E-Z Marvel Kleaner." (For a Cleaner.) G. Hess. No. 20,092; May 8; v. 238; p. 648.
- "Easy Feet Foot Powder." (For Foot-Powder.) H. S. Harrison. No. 20,161; June 19; v. 239; p. 938.
- "Eatsum." (For Bread.) Sanlax Paper Co. No. 19,950; Mar. 6; v. 236; p. 281.
- "Edelweiss." (For Cream-Cheese.) The Purity Cream Cheese Co. No. 19,985; Mar. 20; v. 236; p. 887.
- "Eden Orchards." (For Boxed Apples.) Wenatchee Realty & Investment Co. No. 20,283; Sept. 11; v. 242; p. 514.
- "Edible." (For Canned Corn.) R. G. Charles. No. 19,833; Jan. 16; v. 234; p. 1044.
- "Egola." (For a Substitute for Eggs.) Egola M'fg Co. No. 20,056; May 1; v. 238; p. 309.
- "Electric Engine Steel." (For Steel.) Old Dominion Iron & Nail Works Co. No. 20,098; May 15; v. 238; p. 981.
- "Elko." (For a Non-Intoxicating Beverage.) Elk Brewing Co. No. 20,142; June 5; v. 239; p. 318.
- "Emazol." (For Mouth and Throat Wash.) Takalon, Inc. No. 19,956; Mar. 6; v. 236; p. 281.
- "Emerson Record." (For Phonograph-Record Disks.) Emerson Phonograph Company. Nos. 19,880-1; Feb. 13; v. 235; p. 693.
- "Ever Ready." (For Canned Salmon.) Sockeye Salmon Company. No. 20,422; Dec. 18; v. 245; p. 843.
- "Ever-Ready Safety Razor." (For Safety-Razors.) American Safety Razor Co. No. 19,901; Feb. 20; v. 235; p. 1053.
- "Everybody Loves 'Lovers.'" (For Rolled White Oats.) Spencer-Hogin Grocery & Fruit Co. No. 20,206; July 17; v. 240; p. 940.
- "Everybody Loves 'Lovers.'" (For Blended Coffee.) Spencer-Hogin Grocery & Fruit Co. No. 20,207; July 17; v. 240; p. 940.
- "Excello." (For a Polish for Furniture.) Excello Polish Co. No. 20,093; May 15; v. 238; p. 981.
- "Excello Brand, Grand Prize Guatemala Coffee." (For Coffee.) I. M. Caskel. No. 19,875; Feb. 13; v. 235; p. 693.
- "Extra Duro Colours." (For Colors.) W. P. Stephens. No. 20,020; Apr. 10; v. 237; p. 620.
- "Fairy Bread." (For Bread.) Newark Paraffine & Parchment Paper Co. No. 20,362; Nov. 6; v. 244; p. 288.
- "Fairy Bread." (For Bread.) Newark Paraffine & Parchment Paper Co. No. 20,375; Nov. 20; v. 244; p. 816.
- "Famo." (For Non-Intoxicating Beverage.) Jos. Schlitz Brewing Co. No. 19,989; Mar. 20; v. 236; p. 887.
- "Fig-Mill." (For a Game.) W. G. Young. No. 20,067; May 1; v. 238; p. 309.
- "(Fill Easy) Bin Baler." (For Balers.) K & B Co. No. 20,028; Apr. 17; v. 237; p. 916.
- "Fir Balm Emulsion." (For a Remedy for the Treatment of Coughs, Colds, Hoarseness, and All Affections of the Throat and Lungs.) C. R. Hillberg. No. 19,972; Mar. 20; v. 236; p. 887.
- "Flora de Ark Bloom of Eden Lotion." (For a Complexion-Lotion.) M. E. Turner Mfg. Co. No. 20,287; Sept. 25; v. 242; p. 991.
- "Fluffy Ruffles Starch." (For Laundry Starch.) Independent Starch Company. No. 19,835; Jan. 16; v. 234; p. 1044.
- "For Dry People." (For Non-Alcoholic Beverage.) The Quencho Co. No. 20,083; May 8; v. 238; p. 648.
- "For Goodness Sake." (For Non-Alcoholic Beverage.) The Quencho Co. No. 20,084; May 8; v. 238; p. 648.
- "For Playtime And All Times." (For Boys' and Girls' Outer Garments.) McCawley & Co. No. 20,079; May 8; v. 238; p. 648.
- "For That Thirst." (For Non-Alcoholic Beverage.) The Quencho Co. No. 20,082; May 8; v. 238; p. 648.
- "Ford." (For Fountain-Pens.) Gem Fountain Pen Corporation. No. 20,184; June 19; v. 239; p. 938.
- "Foster." (For Cigars.) The Foster & Hays Co., Inc. No. 20,201; July 10; v. 240; p. 639.
- "Fountain Brand Bathing Soda." (For Bathing-Soda.) Davis Co. No. 19,968; Mar. 20; v. 236; p. 887.
- "Foxy Grandpa Washing Liquid." (For a Liquid Cleansing Preparation.) Amedee Houle & Sons. No. 20,392; Dec. 18; v. 245; p. 843.
- "Francita." (For Cigars.) A. C. Henschel & Co. No. 20,163; June 19; v. 239; p. 938.
- "French Eau de Quinine." (For Hair-Wash.) J. Palazolo. No. 20,173; June 19; v. 239; p. 938.
- "French Rheumatism Cure." (For a Cure for Rheumatism.) E. Hazell. No. 20,115; May 22; v. 238; p. 1328.
- "Fruited Oats." (For Food Products Comprising a Combination of Oats and Fruits.) The Fruited Cereal Company. No. 20,403; Dec. 18; v. 245; p. 843.
- "Fruited Wheat." (For Food Extracts Comprising a Combination of Whole Wheat and Fruits.) The Fruited Cereal Company. No. 20,402; Dec. 18; v. 245; p. 843.
- "Fruity Bar." (For Candy-Boxes.) Milwaukee Paper Box Co. No. 20,390; Nov. 27; v. 244; p. 1085.
- "Ful-Ripe." (For Canned Peaches.) California Sanitary Canning Co. No. 20,322; Oct. 16; v. 243; p. 792.
- "Garage Vitagas." (For a Chemical Compound for Use in Gasolene.) The Howard-Vaughan Co. No. 19,885; Feb. 13; v. 235; p. 693.
- "Geo. Washington." (For Oranges.) Tustin Hills Citrus Association. No. 20,062; May 1; v. 238; p. 309.
- "Germicide Ointment." (For an Ointment.) Owl Drug Co. No. 20,147; June 5; v. 239; p. 318.
- "Getzbest." (For Canned Peaches.) Getz Bros. & Co. No. 20,359; Nov. 6; v. 244; p. 288.
- "Glad." (For Stockings.) Chas. Chapman's Sons Co. No. 20,344; Oct. 30; v. 243; p. 1308.
- "Glyco-Iodine." (For Iodin.) Tincture & Extract Company. No. 20,354; Oct. 30; v. 243; p. 1308.
- "Gloss." (For Furniture and Automobile Polish.) M. Sodter. No. 19,939; Feb. 27; v. 235; p. 1354.
- "Glover's Medicated Salt Cake." (For a Medicated Salt Cake for Stock.) I. N. Glover. No. 20,026; Apr. 17; v. 237; p. 916.
- "Gold Medal Steel Cut Coffee." (For Coffee.) The Caldwell Coffee Co. No. 19,961; Mar. 20; v. 236; p. 887.
- "Gold Value Auger." (For Augers.) The Fenn Manufacturing Co. No. 20,200; July 10; v. 240; p. 639.
- "Golden Glow Orange Marmalade." (For Marmalade.) Lawrence & Harrison Co. No. 19,910; Feb. 20; v. 235; p. 1053.
- "Golden State." (For Butter.) California Central Creameries. No. 20,222; Aug. 7; v. 241; p. 299.

Alphabetical list of labels—Continued.

- "Goodstuf." (For a Cleanser.) American Goodstuf Company. No. 20,383; Nov. 27; v. 244; p. 1085.
- "Gosman's Ginger Ale." (For Ginger-Ale.) The Gosman Ginger Ale Company. No. 20,211; July 24; v. 240; p. 1165.
- "Gould Embroidered Initials." (For Embroidered Initials.) Gould Embroidery Works. No. 20,105; May 22; v. 238; p. 1328.
- "Graino." (For a Soft Drink.) Grain Juice Co. No. 20,404; Dec. 18; v. 245; p. 843.
- "Grandma." (For Coffee.) Dwinell-Wright Company. No. 20,000; Apr. 10; v. 237; p. 620.
- "Grayson." (For Soap.) Interstate Cotton Oil Refining Co. No. 20,166; June 19; v. 239; p. 938.
- "Grotto." (For Vermuth.) Caproni Brothers Company. No. 20,394; Dec. 18; v. 245; p. 843.
- "Guth Chocolate Fruit & Nut Easter Egg." (For Candy.) Guth Chocolate Company. No. 20,094; May 15; v. 238; p. 981.
- "Hamlet y Ofelia." (For Cigars.) G. A. Mueller. No. 19,838; Jan. 16; v. 234; p. 1044.
- "Happy Hollow." (For Coffee.) Olson Coffee Co. No. 20,081; May 8; v. 238; p. 648.
- "Hauck Green Label Beverage." (For Non-Intoxicating Beverages.) C. J. Hauck. No. 20,406; Dec. 18; v. 245; p. 843.
- "Have Some Junket!" (For Hansen's Junket Tablets.) Chr. Hansen's Laboratory. No. 20,314; Oct. 9; v. 243; p. 523.
- "Hawaiian Cloth." (For Cloth.) Burton Bros. & Co. No. 20,393; Dec. 18; v. 245; p. 843.
- "Hay's Coconut Oil Shampoo." (For a Hair-Shampoo.) Philo Hay Specialties Co. No. 19,916; Feb. 20; v. 235; p. 1053.
- "Hay's Eau De Quinine Tonic." (For a Hair-Tonic.) Philo Hay Specialties Co. No. 19,914; Feb. 20; v. 235; p. 1053.
- "Hazeloch." (For a Liquid Herb Remedy.) Hazeloch Medicine Company. No. 19,907; Feb. 20; v. 235; p. 1053.
- "Health Food." (For Bread.) J. W. Hamilton. No. 20,071; May 8; v. 238; p. 648.
- "Health Food." (For Candy.) J. W. Hamilton. No. 20,072; May 8; v. 238; p. 648.
- "Hebrew words reading: 'Tuv (good) venooim (sweet) Kosher (Kosher) chamen (oil).'" (For Cotton-Seed Oil.) S. Leibsiger. No. 19,974; Mar. 20; v. 236; p. 887.
- "Hiker." (For Canvas Rubber-Sole Shoes.) Hood Rubber Co. No. 19,909; Feb. 20; v. 235; p. 1053.
- "Hitt's Flashcracka." (For Fire-Crackers.) T. G. Hitt. No. 20,372; Nov. 20; v. 244; p. 816.
- "Hoff's." (For a Liniment.) Goodrich Drug Co. No. 20,405; Dec. 18; v. 245; p. 843.
- "Hoffex." (For a Non-Alcoholic Beverage.) Eisner-Mendelson Co. No. 20,300; Oct. 2; v. 243; p. 239.
- "Home Made." (For Cough-Drops.) C. B. Truesdell. No. 20,061; May 1; v. 238; p. 309.
- "Honolulu Fruit Gum." (For Chewing-Gum.) The National Pepsin Gum Company. No. 20,133; May 29; v. 238; p. 1638.
- "Honor Brand." (For Crape-Tissue.) Sauquoit Toilet Paper Co. No. 20,113; May 22; v. 238; p. 1328.
- "Honytone." (For a Medicinal Preparation.) Honytone Manufacturing Company. No. 20,302; Oct. 2; v. 243; p. 239.
- "Huffman & Van Camp Asthma Remedy." (For a Medicinal Preparation.) Huffman & Van Camp. No. 20,346; Oct. 30; v. 243; p. 1308.
- "Hydroproof-Racket-Lak." (For a Finishing Lacquer & Varnish.) Providence Specialty Company. No. 19,984; Mar. 20; v. 236; p. 887.
- "I Am Old Doc Carbo-Sal." (For a Medicine for Hog-Cholera.) National Drug & Mfg. Co. No. 20,169; June 19; v. 239; p. 938.
- "Imperial." (For Non-Alcoholic Beverages.) H. Schreier. No. 19,955; Mar. 6; v. 236; p. 281.
- "Inorout." (For Varnishes.) Wadsworth, Howland & Co. No. 20,333; Oct. 16; v. 243; p. 792.
- "Interwoven Socks." (For Socks.) Interwoven Stocking Company. No. 20,185; June 19; v. 239; p. 938.
- "Ironclad Khaki Twills." (For Woven Fabric Piece Goods.) Franklin Mfg. Co. No. 20,123; May 29; v. 238; p. 1638.
- "It's All." (For Bread.) Saniwax Paper Co. No. 19,949; Mar. 6; v. 236; p. 281.
- "Iten's Korn Crackers." (For Crackers.) Iten Biscuit Co. No. 20,290; Sept. 25; v. 242; p. 991.
- "J-M Flexstone Asbestos Roofing." (For Asbestos Roofing.) H. W. Johns-Manville Co. No. 20,167; June 19; v. 239; p. 938.
- "James Surratts." (For a Flesh-Whitening Solution.) F. K. James Company. No. 20,250; Aug. 28; v. 241; p. 1155.
- "Jersey Cream." (For Wheat-Flour.) Dahnke-Walker Mfg. Co. No. 19,848; Jan. 30; v. 234; p. 1582.
- "Jewel Stoves and Furnaces Detroit Stove Works." (For Stoves and Furnaces.) Detroit Stove Works. No. 20,070; May 8; v. 238; p. 648.
- "Jonteel." (For Cold-Cream.) United Drug Company. No. 20,049; Apr. 24; v. 237; p. 1217.
- "Just Out' Baby Bantam Candy Eggs." (For Candies.) Farley Candy Company. No. 20,023; Apr. 17; v. 237; p. 916.
- "Justite." (For Bread.) Saniwax Paper Co. No. 19,946; Mar. 6; v. 236; p. 281.
- "K K." (For Cleaning Compound.) The Chamberlain Company. No. 20,191; June 26; v. 239; p. 1207.
- "Ka-Dene." (For Ointment.) The Ku-Rail Medicine Co. No. 20,106; May 22; v. 238; p. 1328.
- "Kal-I-Fornia Bathing Suit." (For Bathing-Suits.) Asbury Mills. No. 20,292; Sept. 25; v. 242; p. 991.
- "Keil's Deep Well Sparkling Ginger Ale." (For Ginger-Ale.) J. M. Keil. No. 19,856; Jan. 16; v. 234; p. 1044.
- "Kerr Ex-O-Dent." (For Chewing-Gum.) Detroit Dental Manufacturing Co. No. 20,022; Apr. 17; v. 237; p. 916.
- "Khaki-Tex." (For Khaki-Colored Cloth.) Windsor Print Works. No. 20,293; Sept. 25; v. 242; p. 991.
- "Kindermeel." (For Baby Food.) N. V. Kroze. No. 20,281; Sept. 11; v. 242; p. 514.
- "King Kuhl Klothies." (For Clothing.) Firm of J. Schoeneman. No. 19,892; Feb. 13; v. 235; p. 693.
- "King of Cholera." (For a Remedy for Chicken and Hog Cholera.) M. E. Wright. No. 20,237; Aug. 14; v. 241; p. 621.
- "Kleanlof." (For Bread.) The R. B. Biscuit Co. No. 20,253; Aug. 28; v. 241; p. 1155.
- "Kleanrapt." (For Bread.) Saniwax Paper Co. No. 19,947; Mar. 6; v. 236; p. 281.
- "Klearfax Linen." (For Envelopes and Writing-Paper.) White & Wyckoff Mfg. Co. No. 20,434; Dec. 18; v. 245; p. 844.
- "Kleen-a-Pipe." (For a Dissolving Cleaning Disinfecting Compound.) R. T. Davis. No. 20,021; Apr. 17; v. 237; p. 916.
- "Kleene K-S Sweep." (For Brooms.) Victoria Broom & Whisk Factory. No. 20,063; May 1; v. 238; p. 309.
- "Knights." (For Dill Pickles.) Knight Packing Company. No. 20,411; Dec. 18; v. 245; p. 843.
- "Kof Not." (For Candy Cough-Tablets.) The Aromint Company. No. 20,051; May 1; v. 238; p. 309.
- "Kofetax." (For a Coffee-Flavored Taffy.) H. Jevine Co. No. 20,409; Dec. 18; v. 245; p. 843.
- "Ku-Rall." (For an Ointment.) J. W. Taylor, Jr. No. 19,895; Feb. 13; v. 235; p. 693.
- "La Bella Carmen." (For Tobacco-Packages.) Herrero Bros. No. 20,068; May 1; v. 238; p. 309.
- "La Culta." (For Cigars.) The Moehle Lithographic Company. No. 19,934; Feb. 27; v. 235; p. 1354.
- "Labor Temple." (For Cigars.) Pacific Cigar Box Co. No. 20,128; May 29; v. 238; p. 1638.
- "Lady Lu's Laxative." (For Cough-Syrup.) L. C. Hutchins. No. 20,145; June 5; v. 239; p. 818.
- "Ladylike waists." (For Ladies' Shirt-Waists.) Kramer & Sauber. No. 20,241; Aug. 21; v. 241; p. 910.
- "Lark." (For Coffee.) S. M. Newmark. No. 20,415; Dec. 18; v. 245; p. 843.
- "Leak-Proof Piston Ring." (For Piston-Rings.) McQuay-Norris Mfg. Co. No. 19,912; Feb. 20; v. 235; p. 1053.
- "Lecithinol." (For a Medicinal Preparation.) United States Apothecaries Association. No. 19,898; Feb. 13; v. 235; p. 693.
- "Lily Mayonnaise." (For Mayonnaise Dressing.) S. H. Lieb. No. 20,030; Apr. 17; v. 237; p. 916.
- "Lipton's Tea." (For Tea.) T. J. Lipton. No. 20,011; Apr. 10; v. 237; p. 620.
- "Liquid Fish Glue." (For Glue.) Progressive Glue Co. No. 20,174; June 19; v. 239; p. 938.
- "Little Cook On Every Box." (For Macaroni.) The Foulds-Briggs Co. No. 20,024; Apr. 17; v. 237; p. 916.
- "Little Men and Little Women Sterling Silver Tableware." (For Babies' and Children's Sterling Silver Tableware.) Rogers, Lunt & Bowlen Co. No. 19,936; Feb. 27; v. 235; p. 1354.
- "LockTite." (For Hair-Nets.) S. Glemby. No. 19,844; Jan. 16; v. 234; p. 1044.
- "Luncheon." (For Canned Salmon.) Alaska-Pacific Fisheries. No. 19,846; Jan. 30; v. 234; p. 1582.
- "Lustr-Klene." (For a Cleaner and Polisher of Articles of White Kid.) G. W. Trainor. No. 20,379; Nov. 20; v. 244; p. 816.
- "Luxo." (For a Non-Intoxicating Beverage.) Henry Weinhard Estate. No. 19,992; Mar. 20; v. 236; p. 887.
- "Magic Whistle." (For Cartons Containing Whistles.) E. G. Fawkes & Co. No. 20,054; May 1; v. 238; p. 309.
- "Maid Marion Dresses." (For Ladies' Dresses.) Marion Dress Co. No. 19,975; Mar. 20; v. 236; p. 887.
- "Man-A-Cea." (For a Natural Mineral Water.) Manacea Water Company. No. 19,850; Jan. 30; v. 234; p. 1582.
- "Mankertz Malted Milk Bread." (For Bread.) G. Mankertz. No. 20,168; June 19; v. 239; p. 938.
- "Marbleoid Asphalt Roofing." (For Roofing-Paper.) S. D. Dunlap. No. 20,122; May 29; v. 238; p. 1638.
- "Margona." (For Cigars.) A. C. Henschel & Co. No. 20,162; June 19; v. 239; p. 938.

- "Maryland Farms, Registered Holstein Milk." (For Milk.) D. E. Waters. No. 19,996; Mar. 20; v. 236; p. 887.
- "Mauveine Gleason." (For a Tonic for the Skin.) J. H. Gleason. No. 20,005; Apr. 10; v. 237; p. 620.
- "Mayflower." (For Ginger-Ale.) Great Radium Spring Water Company. No. 20,336; Oct. 23; v. 243; p. 1064.
- "Meade's Corn & Bunion Cure." (For a Medicinal Preparation.) E. B. Meade. No. 20,224; Aug. 7; v. 241; p. 299.
- "Meat-O-Wheat." (For Bread.) Saniwax Paper Co. No. 19,951; Mar. 6; v. 236; p. 281.
- "Mecopa." (For Bond-Paper.) The Mead Pulp & Paper Company. No. 20,126; May 29; v. 238; p. 1638.
- "Medicinal." (For Peroxid.) National Peroxide Company. No. 20,032; Apr. 17; v. 237; p. 916.
- "Men's Suit Buttons." (For Buttons.) Independent Button & Machine Company. No. 20,075; May 8; v. 238; p. 648.
- "Mennen's Shaving Cream." (For Mennen's Shaving-Cream.) G. Mennen Chemical Co. No. 19,851; Jan. 30; v. 234; p. 1582.
- "Mennen's Tar Shampooing Cream." (For Mennen's Tar Shampooing-Cream.) G. Mennen Chemical Co. No. 19,852; Jan. 30; v. 234; p. 1582.
- "Mepacote." (For Book-Paper.) The Mead Pulp and Paper Company. No. 20,125; May 29; v. 238; p. 1638.
- "Meteor Liquor Special." (For Brandy.) Italo American Distilling Co., Inc. No. 20,374; Nov. 20; v. 244; p. 816.
- "Micajah's Medicated Wafers." (For a Proprietary Medicine.) Micajah & Co. No. 20,235; Aug. 14; v. 241; p. 621.
- "Milk Cluster." (For Candy-Boxes.) Val Blatz, Jr. Candy Co. No. 20,430; Dec. 18; v. 245; p. 843.
- "Milk of Magnesia Lime." (For a Manufactured Lime Product.) Allwood Lime Company. No. 20,177; June 19; v. 239; p. 938.
- "Mir-A-Co Nature's Gift." (For Artificial Mineral Water.) The Mir-A-Co Company. No. 20,008; Apr. 10; v. 237; p. 620.
- "Miss Stifel Indigo." (For Woven Fabric Cloth.) J. L. Stifel & Sons. No. 20,246; Aug. 21; v. 241; p. 910.
- "Miss Tilly Tinker The Terpsichorean Queen." (For a Wooden Toy.) The Toy Tinkers. No. 20,254; Aug. 28; v. 241; p. 1155.
- "Montana Sport." (For Cigars.) C. Garnier. No. 19,906; Feb. 20; v. 235; p. 1053.
- "Moose Brand Coffee." (For Coffee.) The Caldwell Coffee Co. No. 19,965; Mar. 20; v. 236; p. 887.
- "Morris Miller's Original Liniment." (For Morris Miller's Original Liniment.) M. Miller. No. 19,977; Mar. 20; v. 236; p. 887.
- "Morton's." (For Chewing-Gum.) Independent Gum Co. Nos. 20,073-4; May 8; v. 238; p. 648.
- "Morton's." (For Chewing-Gum.) Independent Gum Co., now by change of name J. T. Morton Gum Company. No. 20,360; Nov. 6; v. 244; p. 288.
- "Mother Goose." (For Cane and Maple Syrup.) R. P. Mosson. No. 20,251; Aug. 28; v. 241; p. 1155.
- "Mount Logan Patent Flour." (For Flour.) The Chatfield & Wood Sack Company. No. 20,197; July 10; v. 240; p. 639.
- "Mountain Gem." (For Apples.) Wilson Orchard Company. No. 20,380; Nov. 20; v. 244; p. 816.
- "Mountain Rock Ginger Ale." (For Ginger-Ale.) West Virginia Beverage Co. No. 20,227; Aug. 7; v. 241; p. 299.
- "Movie-Inn." (For a Game.) W. G. Young. No. 20,441; Dec. 18; v. 245; p. 844.
- "Mt. Fuji." (For Beer.) T. K. Tanaka. No. 20,036; Apr. 17; v. 237; p. 916.
- "Mt. Purn Brand Cognac." (For Brandies.) Shore Distilling Co. No. 20,060; May 1; v. 238; p. 309.
- "Multimotor Cylinder Oil." (For Lubricating-Oil.) E. C. Anthony. No. 19,830; Jan. 16; v. 234; p. 1044.
- "Murphy Ranch One Star." (For Lemons.) Murphy Oil Company. No. 19,888; Feb. 13; v. 235; p. 693.
- "Murphy Ranch One Star." (For Oranges.) Murphy Oil Company. No. 20,244; Aug. 21; v. 241; p. 910.
- "Murphy Ranch Three Star." (For Oranges.) Murphy Oil Company. No. 20,243; Aug. 21; v. 241; p. 910.
- "Murphy Ranch Two Crown." (For Oranges.) Murphy Oil Company. No. 20,242; Aug. 21; v. 241; p. 910.
- "Nail Bright." (For Nail-Polish.) Wheeler Beauty Co. No. 20,089; May 8; v. 238; p. 648.
- "National." (For Peroxid.) National Peroxide Company. No. 20,033; Apr. 17; v. 237; p. 916.
- "Nature's Blood and Cell-Food." (For a Medicinal Preparation.) L. Pohland. No. 19,917; Feb. 20; v. 235; p. 1053.
- "Nebline." (For a Cuticle-Salve.) N. E. Berry. No. 19,902; Feb. 20; v. 235; p. 1053.
- "Neo-Tono." (For a Medicinal Tonic.) Neo-Tono Medicine Company. No. 20,146; June 5; v. 239; p. 318.
- "Nevada Honey." (For Extracted Honey.) G. H. Wright. No. 19,958; Mar. 6; v. 236; p. 281.
- "Newbro's Herpicide." (For Hair-Dressing.) The Herpicide Company. No. 20,371; Nov. 20; v. 244; p. 816.
- "No Spot." (For a Cleaning Fluid.) J. A. Eicholtz. No. 19,879; Feb. 13; v. 235; p. 693.
- "Northfield." (For Canned Evaporated Milk.) Northfield Milk Products Co. No. 20,417; Dec. 18; v. 245; p. 843.
- "Nowater Cleanser Made In U. S. A." (For Cleansers.) The Nowater Soap and Cleanser Co. of U. S. A. No. 20,080; May 8; v. 238; p. 648.
- "Nu-Tone." (For Preparation for Restoring Phonographic Records.) Nu-Tone Company. No. 20,418; Dec. 18; v. 245; p. 843.
- "O-Cedar Dust Cloths." (For O-Cedar Dust-Cloths.) Channell Chemical Company. No. 19,925; Feb. 27; v. 235; p. 1354.
- "O-K." (For Olive-Oil.) C. S. Galanopoulos. No. 20,234; Aug. 14; v. 241; p. 621.
- "Okolene." (For a Solution for Poison-Oak Infection.) Okolene Co. No. 19,983; Mar. 20; v. 236; p. 887.
- "Old Curtis Whiskey." (For Whisky.) I. Michelson & Brothers. No. 19,913; Feb. 20; v. 235; p. 1053.
- "Old English." (For Furniture-Polish.) F. Darvill. No. 20,045; Apr. 24; v. 237; p. 1217.
- "Old Morris 1878 Brand." (For Whisky.) I. Michelson & Brothers. No. 20,078; May 8; v. 238; p. 648.
- "Old Salem Lawn." (For Envelops and Writing-Paper.) White & Wyckoff Mfg. Co. No. 20,437; Dec. 18; v. 245; p. 844.
- "Old String Whiskey." (For Whisky.) J. A. Bokel Company. No. 19,874; Feb. 13; v. 235; p. 693.
- "Oma." (For a Non-Alcoholic Beverage.) Omaha Beverage Company. No. 20,348; Oct. 30; v. 243; p. 1308.
- "\$1,000 Pure Straight Whiskey." (For Whisky.) Charles S. Gove Company. No. 20,337; Oct. 23; v. 243; p. 1064.
- "Onilla Polish." (For a Cleaning and Polishing Compound.) O. F. Smith. No. 20,017; Apr. 10; v. 237; p. 620.
- "Open-Cylinder Pump." (For Electric Deep-Well Pumps.) The Valle-Kimes Company. No. 19,865; Jan. 30; v. 234; p. 1582.
- "Orchard Blossom." (For a Disinfectant and Deodorizer.) H. Krahn. No. 20,124; May 29; v. 238; p. 1638.
- "Orcine." (For Shampoo.) Graham Brothers & Company. No. 20,223; Aug. 7; v. 241; p. 299.
- "Pacific." (For Fresh Apples.) Pacific Fruit & Produce Co. No. 20,419; Dec. 18; v. 245; p. 843.
- "Packard Klassy White." (For a Cleaner.) Packard Dressing Co. No. 20,225; Aug. 7; v. 241; p. 299.
- "Packed At The Water's Edge." (For Preserved Shrimp in Cans.) U. H. Dudley & Company. No. 20,370; Nov. 20; v. 244; p. 816.
- "Para." (For Ready-Mixed Paints.) The Para Paint Co. No. 20,204; July 10; v. 240; p. 639.
- "Paradise." (For Apples.) Earl Fruit Company of the Northwest. No. 20,230; Aug. 14; v. 241; p. 621.
- "Parodi." (For Cigars.) Parodi Cigar Company. No. 19,839; Jan. 16; v. 234; p. 1044.
- "Peace (P. O. E.)." (For Cigars.) C. F. Conrad. No. 20,278; Sept. 11; v. 242; p. 514.
- "Peace (P. O. E.)." (For Cigarettes.) C. F. Conrad. No. 20,279; Sept. 11; v. 242; p. 514.
- "Peacock." (For Apples.) Earl Fruit Company of the Northwest. No. 20,231; Aug. 14; v. 241; p. 621.
- "Pearl Barley." (For Pearl-Barley.) Barley Foods Co. No. 19,873; Feb. 13; v. 235; p. 693.
- "Pearl Buttons of Distinction." (For Pearl-Button-Display Sales-Boxes.) Iowa Pearl Button Company. No. 20,304; Oct. 2; v. 243; p. 239.
- "Peat's Waterproof Leather Dressing." (For Leather-Dressing.) C. W. Peat. Nos. 20,129-30; May 29; v. 238; p. 1638.
- "Pendergast Nutritious Bean Bread." (For Bread.) D. A. Pendergast. No. 20,182; June 19; v. 239; p. 938.
- "Pep." (For Smoking-Tobacco.) G. Gund. No. 19,884; Feb. 13; v. 235; p. 693.
- "Peppermint Pepsogum, Pure Rings Of Pepsin Gum." (For Chewing-Gum.) Qualite Products Company. No. 19,889; Feb. 13; v. 235; p. 693.
- "Permanent Pigment for Coloring Vermont White Cement." (For a Pigment for Coloring Cement.) The L. D. Caulk Company. No. 19,924; Feb. 27; v. 235; p. 1354.
- "Person's Pennsylvania Pure Rye Whiskey." (For Whisky.) C. Person's Sons. No. 19,855; Jan. 30; v. 234; p. 1582.
- "Phonograph Stove Polish. It Talks for Itself." (For a Powder Stove-Polish.) C. Lortie. No. 19,887; Feb. 13; v. 235; p. 693.
- "Pilcher's 'Guaranteed' Bachelor Buttons." (For Buttons.) J. V. Pilcher Manufacturing Company. No. 19,845; Jan. 23; v. 234; p. 1310.
- "Pin Nock'l." (For a Game.) W. G. Young. No. 20,382; Nov. 20; v. 244; p. 816.
- "Plates for Stock Tags." (For Tags for Live Stock to Indicate That They Have Been Tested for Various Diseases.) A. Byrd. No. 19,960; Mar. 20; v. 236; p. 887.
- "Postage Saver." (For Writing-Paper and Envelops.) Kalamazoo Stationery Co. No. 20,388; Nov. 27; v. 244; p. 1085.
- "Potage Du Pont." (For Concentrated Vegetable Soups Containing Beans.) A. F. P. Du Pont. No. 20,272; Sept. 4; v. 242; p. 252.

Alphabetical list of labels—Continued.

- "Potlicker." (For Rings.) McQuay-Norris Mfg. Co. No. 20,307; Oct. 2; v. 243; p. 239.
- "Powerene." (For a Fuel Intensifier and Decarbonizer.) W. P. Barnes. No. 20,137; June 5; v. 239; p. 318.
- "Prest-O-Nu." (For Automobile-Polish.) B-Nu Manufacturing Company. No. 20,012; Apr. 10; v. 237; p. 620.
- "Price's Pure Pork Sausage & Lard." (For Pork Sausage and Lard.) S. S. Price. No. 20,013; Apr. 10; v. 237; p. 620.
- "Pride of Scotland County." (For Cantaloups.) H. Weinstein. No. 20,149; June 5; v. 239; p. 318.
- "Puree Du Pont." (For Concentrated Vegetable Dish Containing Peas but Not Soup.) A. F. P. Du Pont. No. 20,273; Sept. 4; v. 242; p. 252.
- "Purity Fancy Patent Rolled Oats." (For Rolled Oats.) Purity Oats Company. No. 20,252; Aug. 28; v. 241; p. 1155.
- "Pyorrhea Remedy." (For Preparations for the Treatment of Pyorrhea.) J. J. Nesom. No. 20,009; Apr. 10; v. 237; p. 620.
- "Pyramid." (For Flour.) Tacoma Grain Company. No. 20,291; Sept. 25; v. 242; p. 991.
- "Quality." (For Canned Tuna Fish.) Lower California Fisheries Co. No. 19,929; Feb. 27; v. 235; p. 1354.
- "Quality Cigars." (For Cigars.) American Lithographic Company. No. 20,090; May 8; v. 238; p. 648.
- "Queens Choice." (For Canned Salmon.) Cascade Packing Company. No. 20,369; Nov. 20; v. 244; p. 816.
- "Queen's Taste." (For Cigars.) The Mochle Lithographic Company. No. 19,933; Feb. 27; v. 235; p. 1354.
- "Quick Suds." (For Borax Soap Powder.) Moore-Shenckberg Grocer Co. No. 20,326; Oct. 16; v. 243; p. 792.
- "Quizz." (For Non-Intoxicating Non-Malt Beverage.) The Geo. Wiedemann Brewing Company. No. 19,998; Mar. 20; v. 236; p. 887.
- "R-Porter." (For Beverages and Non-Alcoholic Drinks.) Puritan Manufacturing Co. No. 20,339; Oct. 23; v. 243; p. 1064.
- "R. E. Maier's Veribest." (For a Polishing and Cleaning Compound.) R. E. Maier & Co. No. 20,107; May 22; v. 238; p. 1328.
- "Radio." (For Golf-Balls.) Radium Golf Ball Co. No. 20,282; Sept. 11; v. 242; p. 514.
- "Rainbow Game." (For Rainbow Game.) F. J. Batchelder. No. 19,921; Feb. 27; v. 235; p. 1354.
- "Ralston Wheat Food." (For Cereal Food.) Ralston Purina Company. No. 20,236; Aug. 14; v. 241; p. 621.
- "Randolph Cuties." (For Children's Hosiery.) H. I. Connet. No. 20,180; June 19; v. 239; p. 938.
- "Randolph Special." (For Oranges.) Randolph Fruit Co. No. 20,085; May 8; v. 238; p. 648.
- "Reach Meteor Golf Balls." (For Golf-Balls.) A. J. Reach Co. No. 20,111; May 22; v. 238; p. 1328.
- "Reach New Scotty Golf Balls." (For Golf-Balls.) A. J. Reach Co. No. 20,112; May 22; v. 238; p. 1328.
- "Reach Paramount Golf Balls." (For Golf-Balls.) A. J. Reach Co. No. 20,110; May 22; v. 238; p. 1328.
- "Reach Whippet Golf Balls." (For Golf-Balls.) A. J. Reach Co. No. 20,109; May 22; v. 238; p. 1328.
- "Red Domino." (For Apples.) Earl Fruit Company of the Northwest. No. 20,232; Aug. 14; v. 241; p. 621.
- "Red Label 'Cutters That Cut.'" (For Cutters.) John Royle & Sons. No. 19,987; Mar. 20; v. 236; p. 887.
- "Red-Ripe." (For Canned Tomatoes.) California Sanitary Canning Co. No. 20,321; Oct. 16; v. 243; p. 792.
- "Red Stripe." (For Apples.) Yakima Valley Fruit Growers' Association. No. 19,842; Jan. 16; v. 234; p. 1044.
- "Redel's Whole Cherries Chocolate Coated." (For Candy-Boxes.) Milwaukee Paper Box Co. No. 20,215; July 24; v. 240; p. 1165.
- "Revivient Liquid Massage and Bleach." (For Toilet Preparations.) M. E. Montgomery. No. 20,047; Apr. 24; v. 237; p. 1217.
- "Rex Floor Varnish." (For Floor-Varnish.) Hehry Bonn Co. No. 20,037; Apr. 24; v. 237; p. 1217.
- "Richardson's Cubanola Automobile Polish." (For Automobile-Polish.) G. J. Richardson. No. 20,363; Nov. 6; v. 244; p. 288.
- "Ridgways Tea." (For Packages of Ridgways Tea.) Ridgways Incorporated. Nos. 19,890-1; Feb. 13; v. 235; p. 693.
- "Rittwagen Allash Kummel." (For Allash Kummel.) A. E. Rittwagen. No. 20,315; Oct. 9; v. 243; p. 523.
- "Rob Roy." (For Coffee.) The Donald Company. No. 20,334; Oct. 23; v. 243; p. 1064.
- "Rob Roy." (For Tea.) The Donald Company. No. 20,397; Dec. 18; v. 245; p. 843.
- "Rough & Tumble Play Suits." (For Boys' Cotton Fabric Play-Suits.) Clawson & Wilson Company. No. 20,040; Apr. 24; v. 237; p. 1217.
- "Rowe's Medicated Oil." (For Medicated Oil.) Rowe Manufacturing Co. No. 20,171; June 19; v. 239; p. 938.
- "Royal Windsor Table Sauce." (For Table Sauce.) A. D. Mack. No. 19,930; Feb. 27; v. 235; p. 1354.
- "Rubino Vino Puro Da Pasto." (For Wine.) G. E. Pagani Importing Co. No. 19,854; Jan. 30; v. 234; p. 1582.
- "S. S. White Mouth Wash." (For a Mouth-Wash.) The S. S. White Dental Mfg. Co. No. 19,855; Jan. 30; v. 234; p. 1582.
- "S. S. White Mouth Wash." (For a Mouth-Wash.) S. S. White Dental Mfg. Co. No. 19,863; Jan. 30; v. 234; p. 1582.
- "S. S. White Tooth Brush." (For a Tooth-Brush.) The S. S. White Dental Mfg. Co. No. 19,858; Jan. 30; v. 234; p. 1582.
- "S. S. White Tooth Paste." (For Tooth-Paste.) S. S. White Dental Mfg. Co. No. 19,856; Jan. 30; v. 234; p. 1582.
- "S. S. White Tooth Powder." (For Tooth-Powder.) The S. S. White Dental Mfg. Co. No. 19,862; Jan. 30; v. 234; p. 1582.
- "S. S. White Tooth Powder." (For Tooth-Powder.) S. S. White Dental Mfg. Co. No. 19,864; Jan. 30; v. 234; p. 1582.
- "Sammees." (For Tobacco Cigarettes.) C. R. Smith. No. 20,247; Aug. 21; v. 241; p. 910.
- "Sammie's Hay-A-Sac." (For Chocolate Chips.) W. E. Taylor. No. 20,309; Oct. 2; v. 243; p. 239.
- "San Delco." (For Cigar-Boxes.) Moeller & Zapp. No. 19,978; Mar. 20; v. 236; p. 887.
- "San Julia." (For Cigars.) A. C. Henschel & Co. No. 20,164; June 19; v. 239; p. 938.
- "Sandwich." (For Meat Paste.) F. L. Warner. No. 20,431; Dec. 18; v. 245; p. 843.
- "Sandwich." (For Prepared Creamed Mustard.) F. L. Warner. No. 20,432; Dec. 18; v. 245; p. 844.
- "Sani-Dust." (For a Disinfectant and Odor-Killer.) Sani-Dust Chemical Co. No. 20,219; July 24; v. 240; p. 1165.
- "Sanitary Tooth Pick." (For Toothpicks.) L. Alden. No. 19,941; Mar. 6; v. 236; p. 281.
- "Sanitol, Death to Germs." (For a Germicide.) The Sanitol Manufacturing Company. No. 19,937; Feb. 27; v. 235; p. 1354.
- "Sanna." (For Cheese.) Sanna Co. No. 20,148; June 5; v. 239; p. 318.
- "Sans O Dor." (For Foot-Powders.) Lynn Rubber Manufacturing Company. No. 20,095; May 15; v. 238; p. 981.
- "Santa Barbara." (For Canned Sardines.) C. E. Van Landingham Co. No. 19,995; Mar. 20; v. 236; p. 887.
- "Sapfoam." (For Liquid Shampoo.) The Albany Pharmacal Co. No. 20,190; June 26; v. 239; p. 1207.
- "Save-the-Cow." (For Medicine for Cows.) G. H. Lape. No. 20,076; May 8; v. 238; p. 648.
- "Schafer's The Bread That Nourishes." (For Bread.) Schafer Bakery. No. 20,014; Apr. 10; v. 237; p. 620.
- "Schreiber's Kloster Beer." (For Beer.) A. Schreiber Brewing Co. No. 20,100; May 15; v. 238; p. 981.
- "Schulze's Liberty Loaf." (For Bread.) Schulze Baking Company. No. 20,421; Dec. 18; v. 245; p. 843.
- "Sealshipt Oysters." (For Oysters.) North Atlantic Oyster Farms. No. 19,935; Feb. 27; v. 235; p. 1354.
- "Security." (For Ready-Mixed Paints.) The Becker-Moore Paint Company. No. 20,193; July 10; v. 240; p. 639.
- "Security." (For Matches.) The Louis Hilfer Company. No. 19,849; Jan. 30; v. 234; p. 1582.
- "Sel-Wyn Process Welt." (For Welts.) C. S. Holt. No. 20,373; Nov. 20; v. 244; p. 816.
- "Selecion Especial Cigars." (For Cigars.) American Lithographic Company. No. 20,151; June 19; v. 239; p. 938.
- "Serra California Ripe Olives." (For Olives.) California Associated Olive Growers. No. 20,140; June 5; v. 239; p. 318.
- "Servo." (For a Non-Intoxicating Beverage.) Jung Brewing Company. No. 20,408; Dec. 18; v. 245; p. 843.
- "Shredded Whole Wheat." (For Shredded Whole Wheat.) The Shredded Wheat Company. No. 19,918; Feb. 20; v. 235; p. 1053.
- "Shur-Klean." (For White-Shoe Polish.) A. E. Perkins. No. 20,226; Aug. 7; v. 241; p. 299.
- "Si-Ya-Ma." (For a Blood-Purifier.) R. R. Walker and J. M. Owen. No. 20,356; Oct. 30; v. 243; p. 1308.
- "Side Seam, No Leak." (For Paper Bags.) J. Clochessy. No. 20,396; Dec. 18; v. 245; p. 843.
- "Sigari Italiani." (For Cigars.) Alpino Cigar Co. No. 19,868; Feb. 13; v. 235; p. 693.
- "Silver Tip." (For Potato Chips.) J. H. Smith & Son. No. 20,350; Oct. 30; v. 243; p. 1308.
- "Sister Susie." (For Human-Hair Nets.) The B. Frankel Company. No. 19,882; Feb. 13; v. 235; p. 693.
- "Sky Lark Brand." (For Salsina.) Fredonia Salsina Canning Co. No. 20,358; Nov. 6; v. 244; p. 288.
- "Slick-Shine." (For Automobile-Body Polish.) A. T. Schlichting. No. 20,099; May 15; v. 238; p. 981.
- "Slip-pon." (For Vells.) Silverberg Import Co. No. 19,938; Feb. 27; v. 235; p. 1354.
- "Smoked Salmon Paste." (For Canned Salmon Paste.) S. Schmidt & Co. No. 20,015; Apr. 10; v. 237; p. 620.
- "Smokewell." (For Cigars.) Emze Cigar Co. No. 19,943; Mar. 6; v. 236; p. 281.
- "Snapfast." (For Garment-Fasteners.) The Goedecke Specialty-Manufacturing Company. No. 19,971; Mar. 20; v. 236; p. 887.
- "Snell's Imperial Flour." (For Flour.) The Snell Mill and Grain Co. No. 19,893; Feb. 13; v. 235; p. 693.

- "Sno Buck." (For Upper-Leather for Boots and Shoes.) Beggs & Cobb. No. 20,228; Aug. 14; v. 241; p. 621.
- "Sno-Kist." (For Apples.) Yakima Valley Fruit Growers' Association. No. 19,840; Jan. 16; v. 234; p. 1044.
- "Snow Bank." (For a Food Product.) Banks Bros. Packing Co. No. 20,120; May 29; v. 238; p. 1638.
- "Spalding Floating Honor Golf Ball." (For Golf-Balls.) A. G. Spalding & Bros. No. 20,132; May 29; v. 238; p. 1638.
- "Spalding Midget Honor Golf Ball." (For Golf-Balls.) A. G. Spalding & Bros. No. 20,131; May 29; v. 238; p. 1638.
- "Spearminits Cloves." (For Candy.) H. Spear & Co. No. 20,424; Dec. 18; v. 245; p. 843.
- "Spearminits Peppermint." (For Candy.) H. Spear & Co. No. 20,423; Dec. 18; v. 245; p. 843.
- "St. Joseph's." (For Tea.) J. M. Hollander. No. 20,338; Oct. 23; v. 243; p. 1064.
- "Star Dust." (For Silver-Cleaner.) Central Mfg. Co. No. 19,967; Mar. 20; v. 236; p. 887.
- "Sterling." (For a Non-Intoxicating Beverage.) Evansville Brewing Assn. No. 20,041; Apr. 24; v. 237; p. 1217.
- "Stimpson-Rivets." (For Rivets.) Edwin B. Stimpson Company. No. 20,059; May 1; v. 238; p. 309.
- "Stop." (For Hair-Tonic.) G. Melches. No. 20,108; May 22; v. 238; p. 1328.
- "Straight Line." (For Writing-Tablets.) Kalamazoo Stationery Co. No. 20,410; Dec. 18; v. 245; p. 843.
- "Styleplus Clothes \$17 and \$21." (For Clothing of Men and Boys.) Henry Sonneborn & Co. No. 20,327; Oct. 16; v. 243; p. 792.
- "Styleplus Clothes \$17 and \$21." (For Clothing of Men and Boys.) Henry Sonneborn & Co. No. 20,329; Oct. 16; v. 243; p. 792.
- "Styleplus Clothes \$21." (For Clothing for Men and Boys.) Henry Sonneborn & Co. No. 20,328; Oct. 16; v. 243; p. 792.
- "Styleplus Clothes \$21 and \$25." (For Clothing of Men and Boys.) Henry Sonneborn & Co. No. 20,330; Oct. 16; v. 243; p. 792.
- "Styleplus Clothes \$25." (For Clothing of Men and Boys.) Henry Sonneborn & Co. No. 20,331; Oct. 16; v. 243; p. 792.
- "Sugar Doodle." (For Candy.) W. J. Bader. No. 19,831; Jan. 16; v. 234; p. 1044.
- "Sulpho-Sage." (For a Compound for Coloring Gray and Faded Hair, to Assist in Removing Dandruff, as a Corrective of Itching Scalp, and as a Dressing for the Hair.) Philo Hay Specialties Co. No. 19,915; Feb. 20; v. 235; p. 1053.
- "Sunapee." (For Fine Yarn Chambray.) Reliance Manufacturing Company. No. 20,086; May 8; v. 238; p. 648.
- "Sunshine Brand Pure Lard With Oleo Stearine Added." (For Lard.) Banks Bros. Packing Co. No. 20,119; May 29; v. 238; p. 1638.
- "Sunsweet." (For Dried Prunes.) California Prune and Apricot Growers. No. 20,289; Sept. 25; v. 242; p. 991.
- "Super-Six." (For Electric Batteries.) C. F. Burgess Laboratories. No. 20,116; May 29; v. 238; p. 1638.
- "Superoyl." (For Rings.) McQuay-Norris Mfg. Co. No. 20,306; Oct. 2; v. 243; p. 239.
- "Surgeons Purified Iodine." (For Iodin.) Tincture & Extract Company. No. 20,248; Aug. 21; v. 241; p. 910.
- "Swanson's S'Wheat Bread." (For Bread.) Worcester Baking Company. No. 19,900; Feb. 13; v. 235; p. 693.
- "Sweet Spearmint." (For Chewing-Gum.) The Helmet Company. No. 19,908; Feb. 20; v. 235; p. 1053.
- "T. M. & G." (For Honaba Melons.) Turlock Merchants & Growers Incorporated. No. 20,427; Dec. 18; v. 245; p. 843.
- "Take a Nip of Nippo." (For Mineral Water.) Macdonell-Chow Corp. No. 20,007; Apr. 10; v. 237; p. 620.
- "Tang." (For a Non-Intoxicating Beverage.) The Crown Brewing Company. No. 20,121; May 29; v. 238; p. 1638.
- "Tarpley's White Mixture." (For Tarpley's White Mixture.) E. J. Tarpley. No. 19,894; Feb. 13; v. 235; p. 693.
- "Taylor Butter-Pan." (For Butter-Pans.) C. M. Taylor, Jr. No. 20,175; June 19; v. 239; p. 938.
- "Taylor's Beef Tamale." (For Canned Tamales.) A. Taylor. No. 20,426; Dec. 18; v. 245; p. 843.
- "Taylor's Boneless Chicken Tamale." (For Canned Tamales.) A. Taylor. No. 20,425; Dec. 18; v. 245; p. 843.
- "Taylor's 6T6 Takes The Place of Quinine." (For a Medicinal Preparation.) M. M. Taylor. No. 20,378; Nov. 20; v. 244; p. 816.
- "The Billow Washable Pillow." (For Pillows.) The Billow Washable Pillow Company. No. 20,195; July 10; v. 240; p. 639.
- "The Chiropactor." (For Cigars.) C. F. Conrad. No. 20,208; July 24; v. 240; p. 1165.
- "The Chiropactor." (For Cigarettes.) C. F. Conrad. No. 20,209; July 24; v. 240; p. 1165.
- "The Cleanest Hand In Town." (For Hand Soap Powder.) A. F. R. Anderson. No. 19,870; Feb. 13; v. 235; p. 693.
- "The Cordo-Hyde Lace." (For Shoe-Laces.) Cordo-Hyde Company. No. 19,877; Feb. 13; v. 235; p. 693.
- "The E. B. Water Proof Polish For Cleaning and Polishing." (For Waterproof Polish.) E. B. Polish Co. No. 20,267; Sept. 4; v. 242; p. 252.
- "The Emblem Shirt." (For Shirts.) Drew & Lipke. No. 19,926; Feb. 27; v. 235; p. 1854.
- "The Face Veil." (For Veils.) N. B. Cohen. No. 20,104; May 22; v. 238; p. 1328.
- "The Fleur de Lis Shirt." (For Shirts.) Drew & Lipke. No. 19,927; Feb. 27; v. 235; p. 1354.
- "The Garden Of Allah Oriental Incense." (For Incense.) H. Le Roy. No. 20,323; Oct. 16; v. 243; p. 792.
- "The Naturopath." (For Cigarettes.) C. F. Conrad. No. 20,262; Sept. 4; v. 242; p. 252.
- "The Naturopath." (For Cigars.) C. F. Conrad. No. 20,263; Sept. 4; v. 242; p. 252.
- "The O. V. Hand Painted Paper Dolls." (For Dolls.) C. O. Tucker. No. 20,318; Oct. 9; v. 243; p. 523.
- "The Oak Brand." (For Hats.) United Hat Stores. No. 19,897; Feb. 13; v. 235; p. 693.
- "The Osteopath." (For Cigars.) C. F. Conrad. No. 20,264; Sept. 4; v. 242; p. 252.
- "The Osteopath." (For Cigarettes.) C. F. Conrad. No. 20,265; Sept. 4; v. 242; p. 252.
- "The Pure Cola Drink Lymola." (For a Beverage.) West Virginia Beverage Co. No. 20,205; July 10; v. 240; p. 639.
- "The Ranger." (For Cigars.) I. Hagler. No. 20,027; Apr. 17; v. 237; p. 916.
- "The Tea the Russians Drink." (For Tea.) Musher & Co. No. 19,979; Mar. 20; v. 236; p. 887.
- "The 20th Century Shirt." (For Men's Work-Shirts.) McCawley & Co. No. 20,058; May 1; v. 238; p. 309.
- "The Vogue Waist." (For Ladies' Waists.) A. & S. Needleman. No. 20,413; Dec. 18; v. 245; p. 843.
- "The World's Safest Safe." (For Safes.) The Safe-Cabinet Company. No. 20,186; June 19; v. 239; p. 938.
- "Thermolene." (For an Antifreezing Solution.) J. Roche. No. 20,048; Apr. 24; v. 237; p. 1217.
- "Thomsen's Elk." (For Cigars.) T. Thomsen & Son. No. 19,990; Mar. 20; v. 236; p. 887.
- "Thornton Mineral Water." (For Mineral Waters.) Thornton Mineral Springs Company. Nos. 20,316-17; Oct. 9; v. 243; p. 523.
- "Thymo-Boroline." (For a Medicinal Preparation.) United States Apothecaries Association. No. 19,899; Feb. 13; v. 235; p. 693.
- "Tipperary." (For Dry Gin.) The Triaca Company. No. 20,101; May 15; v. 238; p. 981.
- "To-day's Chocolates Assorted." (For Candy-Boxes.) Val. Blatz, Jr. Candy Co. No. 20,310; Oct. 2; v. 243; p. 239.
- "Toesan Rubbers For Women." (For Women's Rubbers.) Batterman Rubber Company. No. 20,249; Aug. 28; v. 241; p. 1155.
- "Toko." (For a Non-Intoxicating Beverage.) Henry Weinhard Estate. No. 19,991; Mar. 20; v. 236; p. 887.
- "Tony." (For Pickles.) A. D. Teixeira. No. 19,940; Feb. 27; v. 235; p. 1354.
- "Top-Pacheeza." (For a Game.) W. G. Young. No. 20,066; May 1; v. 238; p. 309.
- "Transparosa." Complexion Glycerine Soap." (For Toilet Soap.) Armour & Company. No. 20,312; Oct. 9; v. 243; p. 523.
- "Tre-Col-Ore." (For Macaroni.) M. Strollo and Sons. No. 20,296; Sept. 25; v. 242; p. 991.
- "Tri-Way." (For Sport-Clothes.) E. Newgass. No. 20,170; June 19; v. 239; p. 938.
- "Triple A. A. A. Oil Metal Polish." (For Metal-Polish.) Ohio Chemical Company. No. 20,245; Aug. 21; v. 241; p. 910.
- "True Blue." (For a Compound of Camphor and Menthol Balm.) True Blue Drug Co. No. 20,102; May 15; v. 238; p. 981.
- "True Fruit Cherry Flavored Soda Water." (For Soda-Water.) Warner Jenkinson Company. No. 20,256; Aug. 28; v. 241; p. 1155.
- "True Fruit Lemon Flavored Soda Water." (For Soda-Water.) Warner Jenkinson Company. No. 20,255; Aug. 28; v. 241; p. 1155.
- "True Fruit Orange Flavored Soda Water." (For Soda-Water.) Warner Jenkinson Company. No. 20,257; Aug. 28; v. 241; p. 1155.
- "True Fruit Pineapple Flavored Soda Water." (For Soda-Water.) Warner Jenkinson Company. No. 20,259; Aug. 28; v. 241; p. 1155.
- "True Fruit Raspberry Flavored Soda Water." (For Soda-Water.) Warner Jenkinson Company. No. 20,258; Aug. 28; v. 241; p. 1155.
- "True Fruit Strawberry Flavored Soda Water." (For Soda-Water.) Warner Jenkinson Company. No. 20,260; Aug. 28; v. 241; p. 1155.
- "Try Me." (For a Cleaner for Silver, Glassware, and Polished Metals.) J. D. Jidas, Bros. & Co. No. 20,305; Oct. 2; v. 243; p. 239.
- "Tub Corduroy." (For Corduroy.) New York Mills Corporation. No. 20,127; May 29; v. 238; p. 1638.

Alphabetical list of labels—Continued.

- "Tulip Brand." (For Cream Tulip.) Hydro Pure Company. No. 20,407; Dec. 18; v. 245; p. 843.
- "Twin-Six." (For Electric Batteries.) C. F. Burgess Laboratories. No. 20,138; June 5; v. 239; p. 318.
- "Two Quart Brand." (For Whisky.) American Pure Food Company. No. 19,869; Feb. 13; v. 235; p. 693.
- "U-Ar-Das Bath Tablets." (For Bath-Tablets.) Woodard, Clarke & Co. No. 19,957; Mar. 6; v. 236; p. 281.
- "Un-Gro-Co. Products." (For Pork and Beans.) United Grocers Corporation. No. 20,366; Nov. 6; v. 244; p. 288.
- "Universal Steel Wool." (For Steel-Wool.) Universal Steel Wool Company. No. 20,428; Dec. 18; v. 245; p. 843.
- "Uzit Hand Soap Powder." (For Hand Soap Powder.) A. F. R. Anderson. No. 19,871; Feb. 13; v. 235; p. 693.
- "Victor." (For Bread.) P. Schulze. No. 20,340; Oct. 23; v. 243; p. 1064.
- "Victorine." (For Polish.) J. R. A. Aufrecht. No. 20,320; Oct. 16; v. 243; p. 792.
- "W. H. Dyer's Own Pack." (For Pork and Beans.) W. H. Dyer Company Evansville, Ind. No. 20,335; Oct. 23; v. 243; p. 1064.
- "W. H. Dyer's Own Pack Triple A. A. A." (For Pork and Beans.) W. H. Dyer Co. No. 20,357; Nov. 6; v. 244; p. 288.
- "Wa-Ke-Za For Sore Feet." (For Liquid for the Prevention and Cure of Sore Feet.) Burly Drug Co. No. 20,053; May 1; v. 238; p. 309.
- "Wakelee's." (For Liquid Complexion-Powder.) Wakelee's Inc. No. 20,355; Oct. 30; v. 243; p. 1308.
- "Wartime." (For Flour.) Bay State Milling Co. No. 20,294; Sept. 25; v. 242; p. 991.
- "Wash-White." (For Clothes-Washing Compound.) The National Clock and Manufacturing Co. No. 19,980; Mar. 20; v. 236; p. 887.
- "Waterman's Ideal Ink." (For Ink.) L. E. Waterman Company. No. 20,050; Apr. 24; v. 237; p. 1217.
- "Waterman's Ideal Ink." (For Ink.) L. E. Waterman Company. No. 20,069; May 1; v. 238; p. 309.
- "Watson's Soluble Arsenoid." (For Insecticides.) J. Watson & Co. No. 20,433; Dec. 18; v. 245; p. 844.
- "Waverly Fine Linen." (For Envelops and Writing-Paper.) White & Wyckoff Mfg. Co. No. 20,435; Dec. 18; v. 245; p. 844.
- "We Root For Forbes' Pure Food Products." (For Lard.) W. S. Forbes & Co. No. 20,280; Sept. 11; v. 242; p. 514.
- "Wel-Bak't Golden Crust Butter-Cream Bread." (For Bread.) R. L. Nafzigen. No. 20,172; June 19; v. 239; p. 938.
- "White King Squab Soup." (For Squab Soup.) White King Squab Products Co. No. 20,114; May 22; v. 238; p. 1328.
- "White Label 'Cutters That Cut.'" (For Cutters.) John Royle & Sons. No. 19,986; Mar. 20; v. 236; p. 887.
- "White Lily Brand Butter." (For Butter.) S. Leshim. No. 20,077; May 8; v. 238; p. 648.
- "White Ribbon." (For a Temperance Beverage.) Consumers Brewing Company. No. 20,210; July 24; v. 240; p. 1165.
- "Whiteflax Linen." (For Envelops and Writing-Paper.) White & Wyckoff Mfg. Co. No. 20,436; Dec. 18; v. 245; p. 844.
- "Wild Cherry Drops." (For Wild-Cherry Drops.) George H. Fritz & Sons. No. 20,399; Dec. 18; v. 245; p. 843.
- "Wilson's Custom House Coffee." (For Coffee.) Wilson Coffee Company. No. 20,439; Dec. 18; v. 245; p. 844.
- "Wilson's Orange Blossom Coffee." (For Coffee.) Wilson Coffee Company. No. 20,438; Dec. 18; v. 245; p. 844.
- "Wino Maryańskie." (For Bitter Tonic.) Honytone Manufacturing Co. No. 20,150; June 5; v. 239; p. 318.
- "Woosley's Liniment." (For Liniment.) Woosley Medicine Company. No. 20,019; Apr. 10; v. 237; p. 620.
- "Wyte All." (For Shoe-Polish.) E. G. Gray. No. 20,183; June 19; v. 239; p. 938.
- "Yako." (For Beer.) The Cleveland Home Brewing Co. No. 19,876; Feb. 13; v. 235; p. 693.
- "Yargodine." (For a Dandruff Cure.) L. S. Gray. No. 20,043; Apr. 24; v. 237; p. 1217.
- "Yesterday's Chocolates Assorted." (For Candy-Boxes.) Val Blatz Jr. Candy Co. No. 20,271; Sept. 4; v. 242; p. 252.
- "Youghurt Bulgarian Ferment." (For Bottled Fermented Milk.) Knudsen's Laboratory. No. 20,144; June 5; v. 239; p. 318.
- "Zephyr Powder Blower." (For Powder-Blower.) E. Jackson. No. 20,387; Nov. 27; v. 244; p. 1085.
- "Zinc Cement." (For S. S. White Oxyphosphate-Zinc Cement.) The S. S. White Dental Mfg. Co. No. 19,857; Jan. 30; v. 234; p. 1582.
- "Zinc Cement." (For S. S. White Oxyphosphate Zinc.) The S. S. White Dental Mfg. Co. No. 19,860; Jan. 30; v. 234; p. 1582.
- "Zinc Cement." (For S. S. White Oxyphosphate-Zinc Cement.) The S. S. White Dental Mfg. Co. No. 19,861; Jan. 30; v. 234; p. 1582.
- "Zip." (For Snap-Fasteners.) Robert Treat Mfg. Co. No. 20,332; Oct. 16; v. 243; p. 792.
- "Zonite the World-War Antiseptic Stabilized." (For an Antiseptic, Germicide, and Deodorant.) The Foose Chemical Company. No. 20,400; Dec. 18; v. 245; p. 844.

PRINTS.

- "A Brisk Walk in B. V. D." (For Athletic Underwear.) The B. V. D. Company. No. 4,746; Aug. 14; v. 241; p. 621.
- "A Dip And B. V. D. For Coolness." (For Athletic Underwear.) The B. V. D. Company. No. 4,750; Aug. 14; v. 241; p. 621.
- "A Good Smoke." (For Cigars.) Kaufmann & Strauss Company. No. 4,759; Aug. 21; v. 241; p. 910.
- "A Happy Suggestion." (For Post Toasties.) Postum Cereal Company. No. 4,709; June 19; v. 239; p. 938.
- "A Safe Antiseptic for General Family use." (For Listerine.) Lambert Pharmacal Co. No. 4,612; Jan. 30; v. 234; p. 1582.
- "A Seal of Satisfaction." (For Furniture.) C. S. Reuter. No. 4,704; June 5; v. 239; p. 318.
- "A Serving of Kellogg's for Less Than a Cent. The Most Delicious Things Sometimes Cost the Least. What is there more tempting at breakfast, between meals, or for the evening snack, than these delicate thin flakes with their appetizing flavor and the wholesome quality of toasted corn! Keep some packages of Kellogg's—the original Toasted Corn Flakes—always in the cupboard, ready for the call of the healthy, hungry young folks of the family." (For Toasted Corn Flakes.) Kellogg Toasted Corn Flake Co. No. 4,800; Oct. 2; v. 243; p. 239.
- "Acorn Brand Quality Furniture." (For Furniture.) C. S. Reuter. No. 4,674; Apr. 17; v. 237; p. 916.
- "Ad-El-It Motor Carbon Remover." (For Carbon-Remover.) Adams & Elting Co. No. 4,643; Mar. 20; v. 236; p. 888.
- "Advisor." (For Hosiery.) David Well's Sons Lithographic Co. No. 4,695; May 22; v. 238; p. 1328.
- "Always Improving." (For Stoves and Ranges.) Rathbone Sard & Company. No. 4,688; May 8; v. 238; p. 648.
- "Always Improving." (For Ranges and Heaters.) Rathbone Sard & Company. No. 4,689; May 8; v. 238; p. 648.
- "Always ready for Kellogg's Toasted Corn Flakes. Children tire of drinking milk; but the wise mother smiles and pours the milk plentifully into a big bowlful of Kellogg's. Children are always ready for Kellogg's—the original Toasted Corn Flakes—thin, crisp and appetizing." (For Toasted Corn Flakes.) Kellogg Toasted Corn Flake Co. No. 4,673; Apr. 17; v. 237; p. 916.
- "American Institutions—Baseball and B. V. D." (For Athletic Underwear.) The B. V. D. Company. No. 4,751; Aug. 14; v. 241; p. 621.
- "Armour's Oats." (For Armour's Oats.) Armour Grain Company. No. 4,645; Mar. 20; v. 236; p. 888.
- "Art-Reignskin ———— Newest Shoe Artistry." (For Shoe-Cloth.) Peters Manufacturing Co. No. 4,708; June 19; v. 239; p. 938.
- "Ask the American Boy Why He Prefers Kellogg's—These are the flakes that are delicately toasted and thin—the original toasted corn flakes, tender and crisp, with that appetizing 'come to breakfast' flavor you can't mistake or forget." (For a Food, Specifically Toasted Corn Flakes.) Kellogg Toasted Corn Flake Co. No. 4,661; Apr. 10; v. 237; p. 620.
- "Aunt Jemima Pancake Flour Delicious! Economical! Convenient!" (For Pancake-Flour.) Aunt Jemima Mills Company. No. 4,823; Nov. 6; v. 244; p. 288.
- "B. V. D. Lessens The Irk In Desk Work." (For Athletic Underwear.) The B. V. D. Company. No. 4,748; Aug. 14; v. 241; p. 621.
- "B. V. D. 1917 Men's Two Piece Suit." (For Athletic Underwear.) The B. V. D. Company. No. 4,622; Feb. 20; v. 235; p. 1053.
- "B. V. D. 1917 Men's Two Piece Suit." (For Athletic Underwear.) The B. V. D. Company. No. 4,624; Feb. 20; v. 235; p. 1053.
- "B. V. D. 1917 Men's Union Suit." (For Athletic Underwear.) The B. V. D. Company. No. 4,621; Feb. 20; v. 235; p. 1053.

- "B. V. D. 1917 Men's Union Suit." (For Athletic Underwear.) The B. V. D. Company. No. 4,623; Feb. 20; v. 235; p. 1053.
- "Baby Grand Piano." (For Pianos.) Brambach Piano Co. No. 4,783; Aug. 28; v. 241; p. 1155.
- "Battery Display Sign." (For Storage Batteries.) The Willard Storage Battery Company. No. 4,803; Oct. 2; v. 243; p. 239.
- "Be Fair to the Little Folks — —, They Are Worth It. In most homes 'nothing is too good for the children' and the little folks enjoy the tender crispness and delicate flavor of Kellogg's—the Original Toasted Corn Flakes. In other homes the motto is 'anything will do for the children'—even the tough, tasteless imitations of Kellogg's." (For Toasted Corn Flakes.) Kellogg Toasted Corn Flake Co. No. 4,671; Apr. 17; v. 237; p. 916.
- "Beauty is Within the Reach of All." (For a Toilet Preparation.) E. R. Beall. No. 4,755; Aug. 21; v. 241; p. 910.
- "Black Cat." (For Hosiery.) Black Cat Textiles Company. No. 4,756; Aug. 21; v. 241; p. 910.
- "Bocabelli." (For Soap.) Enos F. Jones Chem. Co. No. 4,641; Mar. 6; v. 236; p. 281.
- "Brains In The Rear Axle Power To The Wheel That Can Use It." (For Differentials for Motor-Driven Vehicles.) Bailey Non-Still Differential Corporation. No. 4,814; Oct. 23; v. 243; p. 1064.
- "Breakfast, Luncheon and Dinner Armour's Oats." (For Armour's Oats.) Armour Grain Company. No. 4,644; Mar. 20; v. 236; p. 888.
- "Bromo-Seltzer For Headaches Keeps Your Head Well Balanced." (For Preparations for the Cure of Headaches.) Emerson Drug Co. No. 4,726; July 24; v. 240; p. 1165.
- "Bulletin B-601." (For Lathes.) Dalton Machine Co. No. 4,686; May 8; v. 238; p. 648.
- "Bulletin B-602." (For Lathes.) Dalton Machine Co. No. 4,685; May 8; v. 238; p. 648.
- "Bulletin B-603." (For Lathes.) Dalton Machine Co. No. 4,687; May 8; v. 238; p. 648.
- "Bunte 'Made'." (For Cocoa.) Bunte Brothers. No. 4,815; Oct. 23; v. 243; p. 1064.
- "Carter Ink." (For Carter's Inks and Paste.) The Carter's Ink Company. No. 4,667; Apr. 17; v. 237; p. 916.
- "Cham-Pay." (For a Soft Drink.) Cham-Pay Products Co. No. 4,658; Apr. 10; v. 237; p. 620.
- "Cheerfully Bright Wherever O-Cedar Polish is used." (For O-Cedar Polish.) Channell Chemical Company. No. 4,683; May 8; v. 238; p. 648.
- "Chocolate Cream Coffee." (For Coffee.) Western Grocer Mills. No. 4,735; July 31; v. 240; p. 1448.
- "Colorite." (For a Dye for Satin, Silk, and Canvas Slippers and Basketry.) Carpenter-Morton Co. No. 4,793; Sept. 25; v. 242; p. 991.
- "Cook by wire." (For Electric Ranges.) Rathbone Sard Electric Company. No. 4,636; Feb. 27; v. 235; p. 1354.
- "Cook By Wire." (For Electric Stoves and Ranges.) Rathbone Sard Electric Company. Nos. 4,732-3; July 31; v. 240; p. 1448.
- "Cook by Wire." (For Electric Stoves and Ranges.) Rathbone Sard Electric Company. No. 4,786; Aug. 28; v. 241; p. 1155.
- "Cooking Mama's Breakfast." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 4,625; Feb. 20; v. 235; p. 1053.
- "Cooper's Bennington Summer Wear." (For Summer Wear.) Black Cat Textiles Company. No. 4,818; Oct. 30; v. 243; p. 1308.
- "Creamettes." (For Macaroni.) Mother's Macaroni Company. No. 4,601; Jan. 16; v. 234; p. 1044.
- "Cultivate Cool Comfort In B. V. D. Underwear." (For Athletic Underwear.) The B. V. D. Company. No. 4,752; Aug. 14; v. 241; p. 621.
- "Cuticura Soap and Ointment." (For Cuticura Soap and Ointment.) Potter Drug & Chemical Corp. No. 4,615; Jan. 30; v. 234; p. 1582.
- "Cuticura Soap and Ointment." (For Cuticura Soap and Ointment.) Potter Drug & Chemical Corp. No. 4,656; Mar. 20; v. 236; p. 888.
- "Darn It All." (For a Darning-Last.) E. M. Olson. No. 4,721; July 10; v. 240; p. 639.
- "Detmer Woolens Over 500 Designs to Select From." (For Woolens.) Detmer Woolen Co. No. 4,838; Dec. 18; v. 245; p. 844.
- "Dexter Knitting Cotton." (For Knitting-Cotton.) Dexter Yarn Company. No. 4,816; Oct. 23; v. 243; p. 1064.
- "Dividends of real tobacco happiness for you via." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,834; Nov. 27; v. 244; p. 1085.
- "Don't say Beer,—say Schlitz." (For Beer.) Jos. Schlitz Brewing Company. No. 4,670; Apr. 17; v. 237; p. 916.
- "Double Eccentric Piston Ring Corporation." (For Piston-Rings.) W. H. Baumann. No. 4,757; Aug. 21; v. 241; p. 910.
- "Drink Coca-Cola." (For Coca Cola.) The Coca-Cola Co. No. 4,736; Aug. 7; v. 241; p. 299.
- "Drink Moxie." (For Moxie.) The Moxie Co. No. 4,613; Jan. 30; v. 234; p. 1582.
- "Drink Moxie." (For a Drink or Beverage.) The Moxie Company. No. 4,753; Aug. 14; v. 241; p. 621.
- "Each Hour's Recreation Is 60 Minutes Comfort In B. V. D." (For Athletic Underwear.) The B. V. D. Company. No. 4,744; Aug. 14; v. 241; p. 621.
- "Evangeline Tampico Sauce." (For Pepper Sauce.) E. Bulliard. No. 4,599; Jan. 16; v. 234; p. 1044.
- "Ever Ready Lubricant." (For a Lubricant.) Dixie Oil & Refining Co. No. 4,819; Oct. 30; v. 243; p. 1308.
- "Every Day's A Holiday in Cool B. V. D." (For Athletic Underwear.) The B. V. D. Company. No. 4,749; Aug. 14; v. 241; p. 621.
- "Every Helping of Kellogg's Proves How Good Corn Flakes Can Be. Over a thousand-million dishes of Kellogg's Toasted Corn Flakes were eaten last year. No wonder people prefer Kellogg's—the Original. These tender golden flakes are crisp and appetizing, thin delicately toasted, with a flavor tempting to the last spoonful. The right package has this signature: W. K. Kellogg." (For Toasted Corn Flakes.) Kellogg Toasted Corn Flake Co. No. 4,672; Apr. 17; v. 237; p. 916.
- "Family Cambric." (For Cambric.) M. Smolowitz. No. 4,627; Feb. 20; v. 235; p. 1053.
- "Fast as Niagara." (For Washable Name-Tapes.) H. S. Case. No. 4,831; Nov. 27; v. 244; p. 1085.
- "Fehr's Ambrosia, Nectar of the Gods." (For Beverages.) Central Consumers Company. No. 4,723; July 17; v. 240; p. 940.
- "Financially Embarrassed." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 4,606; Jan. 30; v. 234; p. 1582.
- "For Daddy, Mother, Brother and Me." (For Shredded Wheat.) The Shredded Wheat Company. No. 4,638; Feb. 27; v. 235; p. 1354.
- "For Men of Brains." (For Cigars.) Cortez Cigar Co. No. 4,719; July 10; v. 240; p. 639.
- "For Protection Bestol." (For Bestol Dental Cream.) The Bestol Co. No. 4,795; Sept. 25; v. 242; p. 991.
- "For Sturdy Boys And Girls." (For Cereal Food, and Particularly for Shredded Wheat.) The Shredded Wheat Company. No. 4,664; Apr. 10; v. 237; p. 620.
- "For The Desk-Man." (For Cereal Food and Particularly for Shredded Wheat.) The Shredded Wheat Company. No. 4,666; Apr. 10; v. 237; p. 620.
- "For The Home-Maker." (For Cereal Food, and Particularly for Shredded Wheat.) The Shredded Wheat Company. No. 4,663; Apr. 10; v. 237; p. 620.
- "For The Workers Of The World." (For Cereal Food, and Particularly for Shredded Wheat.) The Shredded Wheat Company. No. 4,665; Apr. 10; v. 237; p. 620.
- "For Work Or For Play, the Best Food Is Shredded Wheat With Hot Milk." (For Shredded Wheat.) The Shredded Wheat Company. No. 4,637; Feb. 27; v. 235; p. 1354.
- "Foursome." (For Automobiles.) King Motor Car Company. No. 4,626; Feb. 20; v. 235; p. 1053.
- "French Market Rice." (For Rice.) New Orleans Coffee Co. No. 4,731; July 31; v. 240; p. 1448.
- "Furnace Heat For Every Home." (For Pipeless Hot-Air Furnaces.) The Monitor Stove & Range Co. No. 4,792; Sept. 11; v. 242; p. 514.
- "Good Soap Cheaper Than New Clothes." (For Soap.) James S. Kirk Company. No. 4,813; Oct. 16; v. 243; p. 792.
- "Goodyear Service Station." (For Cushion-Tires.) The Goodyear Tire & Rubber Company. No. 4,648; Mar. 20; v. 236; p. 888.
- "Gosman's Ginger Ale." (For Ginger-Ale.) The Gosman Ginger Ale Co. No. 4,677; Apr. 24; v. 237; p. 1217.
- "Greene's Combination Sole." (For Shoe-Soles.) Mount Union Tanning & Extract Co. No. 4,730; July 31; v. 240; p. 1448.
- "Guests are coming." (For Biscuit.) National Biscuit Company. No. 4,602; Jan. 16; v. 234; p. 1044.
- "Hayward Buckets Dig For All The World." (For Buckets.) The Hayward Company. No. 4,798; Oct. 2; v. 243; p. 239.
- "Health First." (For Postum Cereal.) Postum Cereal Company. No. 4,614; Jan. 30; v. 234; p. 1582.
- "Help the Food Situation by Eating More Corn. Boys and girls, if you don't know how delicious a food corn can be, try Kellogg's Toasted Corn Flakes. Patriotic housewives who are seeking foods that are tempting and inexpensive, find that Kellogg's costs less than a penny a serving. Kellogg's are the Flakes that are delicately toasted and thin—the original Toasted Corn Flakes—tender and crisp, with that appetizing flavor you can't mistake or forget." (For Toasted Corn Flakes.) Kellogg Toasted Corn Flake Co. No. 4,801; Oct. 2; v. 243; p. 239.
- "Heminway's Crochet Silks." (For Crochet and Embroidery Silks.) M. Heminway & Sons Silk Co. No. 4,799; Oct. 2; v. 243; p. 239.
- "Henrys Cough Buster." (For Coughs and Colds.) H. M. Sanders. No. 4,722; July 10; v. 240; p. 639.
- "Here You Are." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 4,647; Mar. 20; v. 236; p. 888.
- "Here's Something for You!" (For Shoes.) The Stetson Shoe Co. No. 4,794; Sept. 25; v. 242; p. 991.

- "Hickory Maple Syrup." (For Maple-Syrup.) New Orleans Coffee Co. No. 4,620; Feb. 13; v. 235; p. 694.
- "Hitt's All-Healing Tobacco Ointment, For External Use Only." (For Tobacco Ointment.) J. O. Hitt. No. 4,817; Oct. 23; v. 243; p. 1064.
- "How To Cut the High Cost of Living With Creamettes." (For Macaroni.) The Creamette Company. No. 4,692; May 15; v. 238; p. 981.
- "Hygeian." (For a Disinfectant.) E. F. Ballard. No. 4,696; May 29; v. 238; p. 1638.
- "I'll Just Try It." (For Lard.) Cudahy Brothers Company. No. 4,827; Nov. 6; v. 244; p. 288.
- "If you're out for tobacco quality then fire up P. A.!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,835; Nov. 27; v. 244; p. 1085.
- "In Crowded Cars, Stuff Offices, Hot Streets—Cool B. V. D." (For Athletic Underwear.) The B. V. D. Company. No. 4,742; Aug. 14; v. 241; p. 621.
- "In War as in Peace." (For Socks.) Interwoven Stocking Company. No. 4,784; Aug. 28; v. 241; p. 1155.
- "Instant Service." (For Salt and Pepper Sifters.) E. J. Osterbauer. No. 4,828; Nov. 20; v. 244; p. 816.
- "Interwoven Socks." (For Socks.) Interwoven Stocking Company. No. 4,785; Aug. 28; v. 241; p. 1155.
- "It is cheaper to buy good soap than new clothes." (For Soap.) James S. Kirk & Company. No. 4,804; Oct. 9; v. 243; p. 523.
- "It Saves Mother." (For Individual Electric Power Plants.) Swartz Electric Company. No. 4,811; Oct. 16; v. 243; p. 792.
- "It's a Wise Lad That Listens to Dad and Wears Monito Silk Socks." (For Socks.) Moorhead Knitting Co. No. 4,729; July 31; v. 240; p. 1448.
- "It's P. A. quality that chases that blight off your smoke career!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,842; Dec. 25; v. 245; p. 1024.
- "It's Toasted." (For Cigarettes.) The American Tobacco Company. No. 4,630; Feb. 27; v. 235; p. 1354.
- "Jap Rose With The True Rose Odor." (For Talcum Powder.) James S. Kirk & Company. No. 4,703; June 5; v. 239; p. 318.
- "Jardin De Rose." (For Toilet Requisites.) American Toilet Goods Co. No. 4,639; Mar. 6; v. 236; p. 281.
- "Jazz Rag." (For Music-Roll for Automatic Musical Instruments.) Imperial Player Roll Co. No. 4,600; Jan. 16; v. 234; p. 1044.
- "Keep Your Head Well Balanced Bromo-Seltzer for Headache." (For Preparations for the Cure of Headache.) Emerson Drug Co. No. 4,725; July 24; v. 240; p. 1165.
- "Kellogg's Will Always Maintain Quality. You can be sure of Kellogg's—the Original Toasted Corn Flakes—the Flakes that are delicate and thin. Whatever the times or the tendency, the quality of Kellogg's has our pledge and warranty—the finest Corn Flakes possible to produce." (For Toasted Corn Flakes.) Kellogg Toasted Corn Flake Co. No. 4,702; June 5; v. 239; p. 318.
- "Krumbles—A Good Winter Cereal—Krumbles is a strengthening winter cereal for children because of the richness of the Durum Wheat. Try it with hot milk." (For a Cereal Breakfast Food.) Kellogg Toasted Corn Flake Co. No. 4,651; Mar. 20; v. 236; p. 888.
- "Krumbles—The Strengthening Cereal—Better than any other wheat food, Krumbles gratifies the palate, satisfies the appetite and nourishes the body. Children like Krumbles." (For a Cereal Breakfast Food.) Kellogg Toasted Corn Flake Co. No. 4,650; Mar. 20; v. 236; p. 888.
- "Krumbles—Whole Wheat Cereal—Krumbles is Kellogg's whole Durum Wheat Food—every single tiny shred is thoroughly toasted. The flavor is delicious." (For a Cereal Breakfast Food.) Kellogg Toasted Corn Flake Co. No. 4,649; Mar. 20; v. 236; p. 888.
- "La Barlo." (For Cigars.) F. J. Barlow. No. 4,691; May 15; v. 238; p. 981.
- "La Gera." (For Cigars.) A. Moskowitz. No. 4,707; June 19; v. 239; p. 938.
- "Le Lait Des Roses." (For Antiseptic and Tonic of the Skin.) The Cosmetic Product Company. No. 4,699; May 29; v. 238; p. 1638.
- "Lemp St. Louis." (For Beer.) Lemp Brewing Co. No. 4,738; Aug. 7; v. 241; p. 299.
- "Listerine." (For Listerine.) Lambert Pharmacal Co. No. 4,652; Mar. 20; v. 236; p. 888.
- "Listerine—The Safe Antiseptic." (For Listerine.) Lambert Pharmacal Co. No. 4,609; Jan. 30; v. 234; p. 1582.
- "Listerine—The Safe Antiseptic." (For Listerine.) Lambert Pharmacal Co. No. 4,611; Jan. 30; v. 234; p. 1582.
- "Listerine—The Safe Antiseptic Prevents Infection and is a Beneficial, Refreshing Lotion After Shaving." (For Listerine.) Lambert Pharmacal Co. No. 4,610; Jan. 30; v. 234; p. 1582.
- "Look for the Band." (For Cigars.) Seiter & Kappes Lithographing Company. No. 4,662; Apr. 10; v. 237; p. 620.
- "Made in a minute and so good." (For Pancake-Flour.) Aunt Jemima Mills Company. No. 4,825; Nov. 6; v. 244; p. 288.
- "Make You a Champion." (For Lard.) Cudahy Brothers Company. No. 4,826; Nov. 6; v. 244; p. 288.
- "Mallory Hats." (For Hats.) E. A. Mallory & Sons, Inc. No. 4,642; Mar. 6; v. 236; p. 281.
- "Mallory Hats." (For Hats.) E. A. Mallory & Sons. No. 4,791; Sept. 11; v. 242; p. 514.
- "Marbeloid Asphalt Roofing." (For Roofing-Paper.) S. D. Dunlap. No. 4,659; Apr. 10; v. 237; p. 620.
- "Mennen's Borated Talcum." (For Talcum Powder.) G. Mennen Chemical Co. No. 4,713; June 26; v. 239; p. 1207.
- "Mennen's Cold Cream." (For Cold-Cream.) G. Mennen Chemical Co. No. 4,715; June 26; v. 239; p. 1207.
- "Mennen's Cold Cream and Cream Tint Talcum." (For Cold-Cream and Talcum Powder.) G. Mennen Chemical Co. No. 4,740; Aug. 7; v. 241; p. 299.
- "Mennen's Cold Cream Improves The Complexion." (For Cold-Cream.) G. Mennen Chemical Co. No. 4,655; Mar. 20; v. 236; p. 888.
- "Mennen's Cream Dentifrice." (For Cream Dentifrice.) G. Mennen Chemical Co. No. 4,714; June 26; v. 239; p. 1207.
- "Mennen's Cream Dentifrice." (For Cream Dentifrice.) G. Mennen Chemical Co. No. 4,717; June 26; v. 239; p. 1207.
- "Mennen's Shaving Cream." (For Shaving-Cream.) G. Mennen Chemical Co. No. 4,716; June 26; v. 239; p. 1207.
- "Mennen's Talcum For Men." (For Mennen's Talcum Powder.) G. Mennen Chemical Co. No. 4,654; Mar. 20; v. 236; p. 888.
- "Mrs. Santa Claus." (For Toys.) I. Rothstein. No. 4,701; May 29; v. 238; p. 1638.
- "Nesnah." (For Nesnah.) Chr. Hansen's Lab. No. 4,608; Jan. 30; v. 234; p. 1582.
- "Nesnah Made In a Jiffy." (For Nesnah.) Chr. Hansen's Lab. No. 4,634; Feb. 27; v. 235; p. 1354.
- "New South Pure Sugar Cane Syrup." (For Cane Syrup.) New Orleans Coffee Co. No. 4,619; Feb. 13; v. 235; p. 694.
- "Nite Lite." (For an Apparatus for Illumination.) H. F. Marston. No. 4,616; Feb. 6; v. 235; p. 322.
- "No. 8 Cream City Dwarf Display Cut-Outs." (For Cream City Ware.) Geuder, Paeschke & Frey Co. No. 4,640; Mar. 6; v. 236; p. 281.
- "No. 7 Cream City Roaster Display." (For Cream City Roasters.) Geuder Paeschke & Frey Co. No. 4,633; Feb. 27; v. 235; p. 1354.
- "Noglare Auto Lens." (For Lenses for Automobile Lamps.) Noglare Auto Lens Co. No. 4,802; Oct. 2; v. 243; p. 239.
- "Nu-Eat-A Nut Cereal." (For Breakfast Food.) A. R. Howe. No. 4,604; Jan. 16; v. 234; p. 1044.
- "Nugget Fastener." (For Spring Snap-Fasteners.) Spring Snap Fastener Company. No. 4,690; May 8; v. 238; p. 648.
- "Off The Track But Perfectly Safe On Rubber Tires." (For Rubber Tires for Automobiles.) A. B. Wicker. No. 4,718; June 26; v. 239; p. 1207.
- "Old Hickory Sausage." (For Sausage.) C. B. Wilcox. No. 4,812; Oct. 16; v. 243; p. 792.
- "Old King Rubberstet." (For Brushes.) Rubber & Celluloid Products Company. No. 4,693; May 15; v. 238; p. 981.
- "Open your mouth and shut your eyes, And I'll give you something to make you wise." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 4,706; June 19; v. 239; p. 938.
- "Outdoors In Your Heart, B. V. D. On Your Back." (For Athletic Underwear.) The B. V. D. Company. No. 4,743; Aug. 14; v. 241; p. 621.
- "P. A. punches new tobacco notions about quality into the keenest smokeappetite!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,781; Aug. 21; v. 241; p. 911.
- "P. A. puts a new slant on the sport of smoking!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,778; Aug. 21; v. 241; p. 911.
- "P. A. quality slips such smoke-gladdness right down the line!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,776; Aug. 21; v. 241; p. 911.
- "P. A. quality wins men quick to smoking joy!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,773; Aug. 21; v. 241; p. 911.
- "P. A. quality wins men who smoke for real satisfaction!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,764; Aug. 21; v. 241; p. 910.
- "Pablo The Happy Hoppy Drink." (For a Non-Intoxicating Beverage.) Pabst Brewing Company. No. 4,820; Oct. 30; v. 243; p. 1308.
- "Pilcher's Automatic Bachelor-Button." (For Buttons.) J. V. Pilcher Manufacturing Company. No. 4,605; Jan. 23; v. 234; p. 1310.
- "Polar-Kloth." (For Shoe-Cloth.) Thomas, Lake & Whiton, Inc. No. 4,720; July 10; v. 240; p. 639.
- "Prince Albert answers your smoke appetite's demand for quality." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,754; Aug. 14; v. 241; p. 621.
- "Prince Albert certainly does wallop the wrinkles out of smoke worries." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,843; Dec. 25; v. 245; p. 1024.

- "Prince Albert Certainly Will Bring You Back." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,769; Aug. 21; v. 241; p. 910.
- "Prince Albert has a value coupons or premiums can't produce—quality!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,765; Aug. 21; v. 241; p. 910.
- "Prince Albert surely proves its quality with each fire up!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,767; Aug. 21; v. 241; p. 910.
- "Prince Albert the national joy smoke—Prince Albert's quality puts a new and keener edge on your smoke-appetite—and never tires it!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,779; Aug. 21; v. 241; p. 911.
- "Prince Albert tobacco has made three men smoke pipes where one smoked before!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,770; Aug. 21; v. 241; p. 910.
- "Prince Albert's quality gives joy that makes smokers glad they're on the job!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,772; Aug. 21; v. 241; p. 911.
- "Prince Albert's quality hands such a new punch to the joys of smoking." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,775; Aug. 21; v. 241; p. 911.
- "Prince Albert's quality puts you on the express track and signals full-speed-smokes!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,766; Aug. 21; v. 241; p. 911.
- "Preparedness." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 4,789; Sept. 11; v. 242; p. 514.
- "Prolong The Life Of The Child's First Teeth." (For Mennen's Cream Dentifrice.) G. Mennen Chemical Co. No. 4,739; Aug. 7; v. 241; p. 299.
- "Puff your way into the joys of 'Prince Albert.'" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,833; Nov. 27; v. 244; p. 1085.
- "Quality makes P. A. the best partner you ever met on smoke trails!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,774; Aug. 21; v. 241; p. 911.
- "Quality makes Prince Albert such a real man-gift!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,768; Aug. 21; v. 241; p. 910.
- "Quality slips the 'unlimited' sign on P. A. smokes!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,780; Aug. 21; v. 241; p. 911.
- "Rastus Art Gallery." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 4,737; Aug. 7; v. 241; p. 299.
- "Realize right off the trigger that P. A. is sold on its quality!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,771; Aug. 21; v. 241; p. 910.
- "Rink-ly." (For Mops and Dust-Cloths.) G. H. Allen. No. 4,629; Feb. 27; v. 235; p. 1354.
- "Rubberet The Brush that puts the Pay in Painting." (For Paint-Brushes.) Rubber & Celluloid Products Company. No. 4,761; Aug. 21; v. 241; p. 910.
- "Rucos Rheumacure." (For Rheumatism Medicine.) G. Maneatakos. No. 4,760; Aug. 21; v. 241; p. 910.
- "Safety Engineering. The Magazine Of Safety—Accident Indicator." (For Safety Engineering Magazine.) The Safety Press Inc. No. 4,821; Oct. 30; v. 243; p. 1308.
- "Samoset Chocolates." (For Chocolates.) The Samoset Chocolates Company. Nos. 4,679-82; Apr. 24; v. 237; p. 1217.
- "Say! I'm In My B. V. D.s—Be Right Over." (For Athletic Underwear.) The B. V. D. Company. No. 4,632; Feb. 27; v. 235; p. 1354.
- "Saying Grace." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 4,837; Dec. 18; v. 245; p. 844.
- "See how this listens to your smokeappetite!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,763; Aug. 21; v. 241; p. 910.
- "Shady Brook Farm." (For Toy Farms.) F. W. Kramer. No. 4,635; Feb. 27; v. 235; p. 1354.
- "'61' Floor Varnish." (For Floor-Varnish.) Pratt & Lambert. No. 4,724; July 17; v. 240; p. 940.
- "'61' Floor Varnish." (For '61' Floor-Varnish.) Pratt & Lambert. No. 4,797; Sept. 25; v. 242; p. 991.
- "So economical and so delicious! Try it and see." (For Pancake-Flour.) Aunt Jemima Mills Company. No. 4,822; Nov. 6; v. 244; p. 288.
- "Solid Comfort and Stalwart Wear In B. V. D." (For Athletic Underwear.) The B. V. D. Company. No. 4,745; Aug. 14; v. 241; p. 621.
- "Spoco." (For Automobile-Oil.) The Swan Process Oil Co. No. 4,700; May 29; v. 238; p. 1638.
- "Start Your Day This Way—B. V. D." (For Athletic Underwear.) The B. V. D. Company. No. 4,631; Feb. 27; v. 235; p. 1354.
- "Stedem's Formula Fairmount Weed Killer." (For a Weed-Killing Chemical.) Stedem Chemical Laboratory. No. 4,698; May 29; v. 238; p. 1638.
- "Sterno Canned-Heat." (For Canned-Heat and Sterno Kitchenette.) S. Sternau & Company. No. 4,676; Apr. 24; v. 237; p. 1217.
- "Styleplus Clothes \$17 and \$21." (For Clothing for Men and Boys.) Henry Sonneborn & Co. No. 4,809; Oct. 16; v. 243; p. 792.
- "Styleplus Clothes \$17 and \$21." (For Clothing for Men and Boys.) Henry Sonneborn & Co. No. 4,810; Oct. 16; v. 243; p. 792.
- "Styleplus Clothes \$21." (For Clothing for Men and Boys.) Henry Sonneborn & Co. No. 4,808; Oct. 16; v. 243; p. 792.
- "Styleplus Clothes \$21 and \$25." (For Clothing for Men and Boys.) Henry Sonneborn & Co. No. 4,806; Oct. 16; v. 243; p. 792.
- "Styleplus Clothes \$25." (For Clothing for Men and Boys.) Henry Sonneborn & Co. No. 4,807; Oct. 16; v. 243; p. 792.
- "Surgical Sutures Exclusively." (For Surgical Sutures.) Davis & Geck. No. 4,758; Aug. 21; v. 241; p. 910.
- "Taylor Butter-Pan." (For Butter-Pans.) C. M. Taylor, Jr. No. 4,710; June 19; v. 239; p. 938.
- "That Wonderful White Laundry Soap." (For Soap.) James S. Kirk & Company. No. 4,788; Sept. 4; v. 242; p. 252.
- "The Atherton Veil." (For Veils.) J. A. Dunham. No. 4,728; July 31; v. 240; p. 1448.
- "The Cool-Off Three, Wind, Wave and B. V. D." (For Athletic Underwear.) The B. V. D. Company. No. 4,747; Aug. 14; v. 241; p. 621.
- "The Easy Slip Tie Holder." (For a Tie-Holder.) T. W. Smith. No. 4,787; Aug. 28; v. 241; p. 1155.
- "The Eclipse Interchangeable Counterbore Co., Inc." (For Boring-Tools.) Eclipse Interchangeable Counterbore Co. No. 4,618; Feb. 13; v. 235; p. 694.
- "The Fleur de Lys." (For a Decorative Shoe-Emblem.) S. H. Cragg. No. 4,617; Feb. 13; v. 235; p. 694.
- "The Hexagon Sewing Machine." (For Sewing-Machines.) Hexagon Sewing Machine Company. Nos. 4,668-9; Apr. 17; v. 237; p. 916.
- "The Man Who Put Cream Of Wheat On The Calendar." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 4,832; Nov. 27; v. 244; p. 1085.
- "The Most Popular Pancake Flour in America." (For Pancake-Flour.) Aunt Jemima Mills Company. No. 4,824; Nov. 6; v. 244; p. 288.
- "The New Brand Vacuum Cleaner With Sweeper." (For Vacuum-Cleaners.) G. Brand. No. 4,646; Mar. 20; v. 236; p. 888.
- "The New Way." (For Type-Writing Instruction-Manuals, Shorthand Instruction-Manuals, Business-Letter-Writing Manuals, Bookkeeping Instruction-Manuals, and Commercial-Law Books.) The Tulloss School Company. No. 4,628; Feb. 20; v. 235; p. 1053.
- "The O-Cedar Result." (For O-Cedar Polish.) Channell Chemical Company. No. 4,675; Apr. 24; v. 237; p. 1217.
- "The O-Cedar Way." (For O-Cedar Polish.) Channell Chemical Company. No. 4,684; May 8; v. 238; p. 648.
- "The Vivil Boy." (For Vivil Candy Tablets.) The Vivil Company. No. 4,727; July 24; v. 240; p. 1165.
- "The Wonder Food Luxury Peanut Butter Cream of the Goober." (For Peanut-Butter.) Fletcher & Wilson Coffee Co. No. 4,839; Dec. 18; v. 245; p. 844.
- "There's a Reason." (For Postum Cereal.) Postum Cereal Company. No. 4,694; May 22; v. 238; p. 1328.
- "There's health in Postum." (For Postum Cereal.) Postum Cereal Company. No. 4,829; Nov. 20; v. 244; p. 816.
- "They're Starting Right." (For De Laval Cream-Separators.) The De Laval Separator Company. No. 4,607; Jan. 30; v. 234; p. 1582.
- "This Christmas pound-of-pleasure jams—quality—joy into his smokes!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,762; Aug. 21; v. 241; p. 910.
- "This Part Of Your Face Interests The House Of Mennen." (For Mennen's Shaving-Cream.) G. Mennen Chemical Co. No. 4,653; Mar. 20; v. 236; p. 888.
- "Tobie Prinkens." (For Soap.) Kirkman & Son. No. 4,790; Sept. 11; v. 242; p. 514.
- "Toosan Rubbers For Women." (For Women's Rubbers.) Batterman Rubber Company. No. 4,782; Aug. 28; v. 241; p. 1155.
- "Try This Treat Krumbles With Fruit Or Berries. Every home in the land has a hearty welcome for Krumbles—the new whole wheat food, with its delicious flavor, and its high food value at a low price. Children like Krumbles and it builds them up, because of the extra nutrition of Durum wheat which is rich in protein and mineral salts. Krumbles is appetizing with cream or milk, and a special treat with berries, sliced peaches, or bananas." (For a Cereal Breakfast Food.) Kellogg Toasted Corn Flake Co. No. 4,712; June 26; v. 239; p. 1207.
- "Tub Corduroy." (For Corduroy.) New York Mills Corporation. No. 4,697; May 29; v. 238; p. 1638.
- "Twitchell Pneumatic Tire Pressure Gauge." (For Pneumatic-Tire Pressure-Gages.) A. Schrader's Son. No. 4,603; Jan. 16; v. 234; p. 1044.
- "UNXLD Butter." (For Butter.) E. Fleischl & Son. No. 4,660; Apr. 10; v. 237; p. 620.

Alphabetical list of prints—Continued.

- "Vitalite, The Long Life White Enamel." (For Vitalite Enamel.) Pratt & Lambert. No. 4,741; Aug. 7; v. 241; p. 299.
- "Vitalite, The Long Life White Enamel." (For Vitalite Enamel.) Pratt & Lambert. No. 4,796; Sept. 25; v. 242; p. 991.
- "Vogeler Process." (For Honeycombs and Beeswax Scales.) H. Vogeler. No. 4,734; July 31; v. 240; p. 1448.
- "Ward's Tip-Top Bread." (For Bread.) Ward Baking Co. No. 4,705; June 5; v. 239; p. 318.
- "When you buy Prince Albert you are getting quality!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,777; Aug. 21; v. 241; p. 911.
- "Who Can Spell Cream of Wheat." (For Wheat Breakfast Food.) Cream of Wheat Co. No. 4,805; Oct. 16; v. 243; p. 792.
- "Wholesome Films." (For Films for Moving Pictures.) Wholesome Films Corporation. No. 4,830; Nov. 20; v. 244; p. 816.
- "Why Prince Albert hands smokers such delight." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,836; Nov. 27; v. 244; p. 1085.
- "You bet-your-bonnet Prince Albert wins in a walk!" (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,840; Dec. 25; v. 245; p. 1024.
- "You Cant Get On Without It." (For Cresbo Crum Catcher, a Device Which Brings Bread-Box, Bread-Board, Place for Knife, and Receptacle to Catch or Save the Crums All Together.) S. W. Krebs. No. 4,657; Mar. 20; v. 236; p. 888.
- "You'll want to sign a smoke contract as long as your left arm." (For Smoking-Tobacco.) R. J. Reynolds Tobacco Company. No. 4,841; Dec. 25; v. 245; p. 1024.
- "Your Dining Room Furniture." (For O-Cedar Polish.) Channell Chemical Company. No. 4,676; Apr. 24; v. 237; p. 1217.
- "Yuban Chosen for Men by Men." (For Yuban Coffee.) Arbuckle Bros. No. 4,711; June 26; v. 239; p. 1207.

DISCLAIMERS.

- Article-positioning means. S. Brand. No. 1,095,977; date of patent May 5, 1914; disclaimer filed June 2, 1917; v. 239; p. 327.
- Bullet for kinema-targets. T. M. Down. No. 1,107,593; date of patent Aug. 18, 1914; disclaimer filed Sept. 13, 1917; v. 242; p. 521.
- Call-distributing system. H. P. Clausen. No. 1,192,165; date of patent July 25, 1916; disclaimer filed June 26, 1917; v. 240; p. 645.
- Carton and display device, Combined. J. B. Singer. No. 880,410; date of patent Feb. 25, 1908; disclaimer filed July 28, 1917; v. 241; p. 1.
- Closing-machine. W. C. Buhles. No. 1,150,992; date of patent Aug. 24, 1915; disclaimer filed Feb. 7, 1917; v. 235; p. 713.
- Concrete blocks, Machine for making. W. Graf and C. F. Nickel. No. 1,142,696; date of patent June 8, 1915; disclaimer filed Jan. 22, 1917; v. 234; p. 1584.
- Corner-piece. A. P. Cochrane. No. 1,195,910; date of patent Aug. 22, 1916; disclaimer filed Mar. 17, 1917; v. 236; p. 895.
- Cracker-cutting machine. D. K. Allison and B. D. Pinkney. No. 1,112,184; date of patent Sept. 29, 1914; disclaimer filed May 7, 1917; v. 238; p. 653.
- Draft-rigging for locomotive-tenders, Tandem-spring. W. H. Miner. No. 668,656; date of patent, Feb. 26, 1901; disclaimer filed May 31, 1917; v. 239; p. 1.
- Drilling or boring tool. W. M. Treglown and W. Noble. No. 1,169,582; date of patent Jan. 25, 1916; disclaimer filed June 26, 1917; v. 240; p. 645.
- Electric heater. F. H. Smith. No. 1,040,043; date of patent Oct. 1, 1912; disclaimer filed May 2, 1917; v. 238; p. 653.
- Electric-lamp socket. A. Sr., A., Jr., and J. Weber. No. 916,812; date of patent Mar. 30, 1909; disclaimer filed Feb. 19, 1917; v. 235; p. 1059.
- Gases, Apparatus for the production of oxygen and hydrogen. W. Jones. No. 1,212,229; date of patent Jan. 16, 1917; disclaimer filed Sept. 1, 1917; v. 242; p. 521.
- Hardness, Method of and apparatus for testing. A. Ringland and F. H. Schoenfuss. No. 1,125,912; date of patent Jan. 19, 1915; disclaimer filed July 26, 1917; v. 240; p. 1173.
- Oil-guard. R. Huff. No. 1,207,759; date of patent Dec. 12, 1916; disclaimer filed Oct. 15, 1917; v. 243; p. 1069.
- Ore concentration. H. L. Sulman, H. F. Kirkpatrick-Picard, and J. Ballot. No. 835,120; date of patent Nov. 6, 1906; disclaimer filed Mar. 28, 1916; v. 237; p. 311.
- Paper folding and stitching machine. D. J. Scott. No. 1,163,374; date of patent Dec. 7, 1915; disclaimer filed Aug. 15, 1917; v. 241; p. 917.
- Railway-rail stay. E. Laas and H. H. Sponenburg. No. 703,602; date of patent July 1, 1902; disclaimer filed Apr. 9, 1917; v. 237; p. 920.
- Shade and curtain-pole support. J. Neuberger and J. F. Hines. No. 1,074,973; date of patent Oct. 7, 1913; disclaimer filed Apr. 28, 1917; v. 238; p. 321.
- Sodium bisulfite, Making solid. H. Howard. No. 1,084,436; date of patent Jan. 13, 1914; disclaimer filed June 20, 1917; v. 240; p. 1.
- Sodium bisulfite and producing same, Stable crystalline. H. Howard. No. 1,099,177; date of patent June 9, 1914; disclaimer filed June 20, 1917; v. 240; p. 1.
- Splice-bar. F. E. Abbott. No. 1,152,375; date of patent Aug. 31, 1915; disclaimer filed May 1, 1917; v. 238; p. 653.
- Switch-box, Protective. T. E. Murray. No. 1,135,130; date of patent Apr. 13, 1915; disclaimer filed Feb. 12, 1917; v. 235; p. 713.
- Telegraph-repeater. W. Finn. No. 1,160,097; date of patent Nov. 9, 1915; disclaimer filed July 17, 1917; v. 240; p. 945.
- Telephone switching apparatus, Automatic. J. G. Blessing. No. 1,145,542; date of patent July 6, 1915; disclaimer filed Dec. 18, 1916; v. 234; p. 377.
- Tie-plate. J. Lundie. (Reissue.) No. 14,124; date of patent May 2, 1916; disclaimer filed Jan. 15, 1917; v. 234; p. 1051.
- Valve-motion for gas-motors. G. Mees. No. 921,864; date of patent May 18, 1909; disclaimer filed Oct. 18, 1917; v. 244; p. 1.

CLASSIFICATION OF PATENTS.

NOTE.—First number=class, second number=subclass, third number=patent number.

1—	1: 1,213,970 1,232,743 1,236,208 2: 1,212,546 1,214,930 1,235,140 1,238,327 1,241,863 1,212,931 1,246,455 3: 1,222,149 1,238,964 1,244,685 4: 1,239,496 6: 1,221,736 1,223,401 1,225,837 1,247,344 1,247,742 7: 1,215,312 1,226,170 10: 1,213,895 1,225,317 1,226,907 1,230,989 11: 1,211,823 1,250,735 14: 1,224,280 1,236,842 1,244,986 1,248,418 15: 1,214,702 1,214,814 1,232,536 1,219,446 1,219,464 18: 1,225,794 1,242,503 19: 1,218,649 1,250,989 20: 1,250,285 29: 1,245,887 30: 1,249,671 33: 1,234,384 1,249,502 37: 1,246,906 41: 1,216,784 1,224,450 1,228,684 1,250,988 44: 1,240,473 46: 1,230,229 1,238,599 1,241,996 1,250,741 47: 1,222,129 1,222,418 1,237,360 1,246,070 48: 1,217,749 1,224,075 1,224,076 49: 1,238,965 50: 1,213,334 1,250,566 56: 1,220,298 9: 1,215,688 1,217,307 1,219,248 1,224,108 1,225,027 1,225,155 1,235,010 1,237,180 1,238,634 1,238,804 1,239,255 1,241,941 1,243,622 1,244,142 1,250,963 11: 1,211,118 1,212,237 1,215,319 1,219,084 1,219,329 1,219,330 1,219,743 1,226,105 1,226,741	2—	11: 1,232,566 1,232,826 1,234,523 1,243,792 1,243,796 1,244,435 1,244,961 15: 1,212,639 1,222,735 1,223,936 1,226,640 1,234,780 1,239,578 1,239,888 1,246,286 23: 1,213,047 1,220,209 1,226,208 1,238,196 1,245,253 24: 1,247,019 32: 1,212,132 1,219,086 1,219,755 1,222,527 1,225,275 1,237,048 33: 1,218,891 41: 1,212,088 1,212,679 1,213,954 1,214,084 1,225,966 1,233,156 1,246,985 1,251,069 42: 1,221,198 1,228,807 54: 1,216,088 1,231,206 1,243,462 1,251,127 57: 1,239,433 60: 1,215,139 1,220,088 1,226,977 1,229,270 1,246,871 1,249,076 1,250,836 61: 1,211,449 1,223,394 1,234,608 1,236,689 62: 1,211,319 1,213,181 1,219,335 1,220,895 1,238,070 1,248,332 1,236,278 63: 1,223,863 65: 1,215,128 66: 1,218,254 67: 1,226,216 1,231,719 1,233,860 1,234,567 1,243,461 1,243,463 1,250,524 1,250,635 69: 1,213,493 1,237,286 1,239,563 1,240,857 1,243,011 1,243,452 1,246,271 70: 1,216,563 71: 1,211,547 1,233,996 73: 1,212,677 1,212,963 1,213,658 1,214,180 1,214,467 1,215,287 1,215,601 1,215,602	2—	73: 1,216,326 1,216,796 1,218,414 1,220,271 1,221,811 1,224,100 1,226,308 1,227,442 1,232,282 1,233,250 1,233,251 1,234,549 1,235,292 1,240,510 1,242,946 1,244,059 1,245,995 1,247,584 1,249,211 1,226,087 74: 1,228,508 1,241,400 1,248,464 1,248,570 1,250,274 76: 1,212,811 1,212,812 1,212,856 1,212,960 1,212,961 1,213,952 1,213,953 1,213,985 1,216,037 1,221,005 1,224,597 1,231,089 1,240,998 1,242,064 79: 1,239,614 1,236,394 1,239,137 1,239,944 1,241,479 1,241,936 1,250,400 80: 1,211,290 1,242,717 1,247,035 81: 1,212,805 1,227,428 82: 1,238,421 83: 1,227,677 84: 1,225,257 1,225,482 1,227,329 1,234,659 1,235,390 1,237,420 1,241,413 1,247,570 1,248,291 86: 1,214,893 1,224,704 1,234,564 1,239,995 1,243,206 87: 1,210,863 1,250,875 89: 1,231,600 91: 1,223,521 1,230,889 1,231,595 1,235,451 1,248,341 92: R. 14, 328 R. 14, 389 1,215,931 1,249,446 93: 1,248,383 1,248,860 94: 1,214,228 1,236,720 1,245,649 95: 1,221,513 1,227,052 96: 1,218,941 1,235,441 1,235,481	2—	96: 1,243,828 97: 1,229,484 1,250,693 98: 1,210,486 1,210,773 1,212,092 1,213,307 1,226,113 1,226,654 1,231,011 1,231,482 1,235,218 1,237,059 1,237,060 1,237,095 1,237,894 1,239,989 1,242,118 1,243,196 1,247,404 1,248,316 1,250,878 102: 1,216,877 1,237,694 104: 1,215,163 1,225,588 1,235,199 1,250,150 1,251,313 106: 1,213,571 1,215,311 1,221,473 1,223,854 1,234,735 1,239,376 1,242,211 1,242,684 1,243,567 1,246,948 1,247,415 107: 1,238,966 108: 1,214,128 1,215,468 1,219,111 1,221,867 1,222,528 1,230,307 1,232,277 1,238,615 1,242,964 1,256,917 1,249,454 1,250,968 1,251,045 1,251,107 109: 1,239,483 111: 1,234,288 1,236,984 113: 1,211,075 1,216,140 1,225,618 1,247,319 1,248,137 114: 1,228,002 1,234,589 1,235,002 1,238,881 116: 1,222,995 1,241,858 1,231,766
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Classification of patents—Continued.

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1,229,303 1,237,911 1,244,195 1,249,258 30: 1,210,650 1,213,978 1,218,882 1,220,398 1,221,340	4—	30: 1,223,426 1,227,997 1,234,624 1,241,231 1,241,232 32: 1,222,157 1,223,711 1,234,476 1,236,407 1,246,791 1,248,113 1,250,701 33: 1,230,413 1,237,483 1,240,746 35: 1,213,668 1,224,603 1,224,712 1,225,308 1,233,272 1,235,269 1,236,450 1,247,006 36: 1,221,137 1,247,141 38: 1,210,397 1,210,428 1,221,207 1,232,951 1,236,361 1,239,716 1,240,577 1,245,013 1,246,211 39: 1,212,000 1,215,673 1,219,152 1,222,725 1,232,957 1,245,925 40: 1,230,314 1,231,385 1,233,826 1,245,406 5—	1: 1,212,479 1,218,291 1,228,786 3: 1,222,563 1,237,243 1,241,968 1,250,201 4: 1,210,924 1,213,473 1,214,043 1,221,871 1,225,431 1,232,602 1,240,195 1,249,735 5: 1,210,605 1,211,196 1,217,085 1,218,868 1,223,193 1,224,782 1,236,284 1,237,052 1,238,340 1,241,449 1,241,699 1,243,092 1,244,760 1,246,716 1,247,882 8: 1,227,586 1,250,697 9: 1,214,187 1,224,065 1,226,426 1,226,585 1,233,645 1,246,218 1,246,290 1,247,192 1,248,839 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1,240,501 1,246,277 40: 1,213,231 1,241,293 1,243,099 41: 1,212,514 1,215,850 1,216,719 1,217,963 1,218,396 1,218,876 1,230,406 1,234,804 1,236,454 1,240,201 1,245,484 1,246,078 1,247,369 1,250,086 1,250,946 43: 1,214,970 1,222,873 1,229,240 44: 1,227,301 1,239,524 45: 1,238,545 46: 1,220,016	5—	46: 1,229,536 1,234,627 1,247,777 47: 1,223,798 1,232,357 1,240,500 48: 1,228,604 1,231,223 1,232,013 1,244,821 1,248,348 1,248,702 1,249,932 49: 1,218,608 1,233,218 1,241,195 50: 1,210,432 1,216,443 1,237,740 1,246,251 1,248,338 1,250,614 51: 1,213,380 1,214,284 1,216,011 1,216,627 1,216,882 1,217,366 1,223,285 1,229,242 1,229,255 1,239,528 54: 1,218,202 1,224,738 1,228,872 1,229,722 1,230,105 1,233,759 1,234,067 1,242,362 1,249,269 1,249,270 55: 1,211,908 1,212,736 1,213,098 1,213,218 1,214,788 1,226,885 1,228,898 1,230,333 1,230,376 1,238,054 1,239,158 1,245,211 1,246,512 1,249,416 1,249,499 1,246,476 57: 1,227,984 58: 1,211,730 1,211,762 1,212,512 1,216,438 1,216,709 1,217,474 1,219,262 1,220,015 1,223,257 1,230,736 1,231,675 1,234,798 1,242,509 1,244,579 1,248,282 59: 1,215,652 1,218,837 1,227,710 1,229,221 60: 1,235,336 61: 1,224,859 1,231,047 1,231,532 1,234,207 1,238,697 62: 1,214,560 1,214,805 63: 1,214,503 1,235,061 1,245,060 64: 1,230,490 1,240,697 1,243,234 1,244,635 1,247,429 65: 1,221,856 1,229,168 1,239,171 67: 1,211,922 69: 1,210,633 1,211,041 1,222,297 1,228,158	5—	69: 1,242,960 1,211,145 1,242,628 2: 1,211,587 1,212,223 1,235,576 1,247,607 4: 1,243,555 10: 1,239,536 11: 1,224,479 1,238,343 12: 1,237,711 7—	1: 1,229,667 6: 1,218,798 1,227,678 8: 1,245,394 11: 1,226,636 1,232,886 13: 1,231,338 16: 1,247,707 1,250,413 17: 1,239,455 8—	1: R. 1,364 1,210,751 1,210,808 1,211,413 1,213,075 1,213,608 1,215,559 1,216,134 1,216,760 1,216,812 1,216,813 1,216,921 1,217,042 1,217,238 1,218,232 1,218,654 1,219,166 1,221,849 1,227,407 1,228,089 1,232,056 1,232,551 1,232,552 1,233,433 1,233,742 1,234,994 1,235,253 1,237,192 1,237,193 1,238,932 1,242,536 1,243,170 1,243,171 1,244,149 1,244,795 1,244,796 1,247,475 1,247,927 1,251,368 1,251,369 2: 1,213,431 1,217,744 1,224,145 1,227,361 1,234,732 1,235,929 1,237,267 1,243,474 1,247,757 5: 1,210,948 1,214,007 1,225,447 1,227,406 1,231,492 1,236,868 1,239,180 1,242,676 1,245,694 1,250,289 6: 1,219,186 1,231,598 1,224,737 1,237,171 1,239,526 1,243,042 8: 1,219,595 1,235,061 1,249,085 12: 1,213,966 1,222,422 13: 1,213,045 1,216,847 1,238,307 16: 1,246,993 17: 1,211,068 1,230,511 1,245,690 19: 1,215,448 1,218,463 1,220,268 1,229,612	8—	19: 1,230,198 1,231,436 1,232,653 1,236,788 1,243,489 1,245,139 1,246,723 1,246,835 1,246,836 1,249,677 9—	1: 1,251,164 2: 1,215,164 1,227,247 1,231,924 1,240,978 1,246,373 3: 1,220,876 1,232,155 1,238,185 1,249,633 4: 1,212,077 1,226,944 1,227,284 1,238,245 1,244,020 1,244,123 1,245,178 1,248,796 1,249,645 6: 1,243,938 7: 1,245,098 8.3: 1,248,850 8.5: 1,220,905 9: 1,211,989 1,216,132 1,238,538 1,249,486 10: 1,226,098 1,234,826 1,250,807 11: 1,226,274 1,229,123 1,232,713 1,241,367 1,246,129 1,249,887 12: 1,216,707 1,224,679 14: 1,244,325 15: 1,229,426 1,230,838 17: 1,212,315 1,216,457 1,217,824 1,220,609 1,225,023 1,228,292 1,236,365 1,237,404 1,245,033 1,251,394 18: 1,218,909 1,221,467 1,223,730 1,226,768 1,239,088 19: 1,221,852 1,226,857 1,230,290 1,230,858 1,236,310 1,240,686 20: 1,211,042 1,214,478 1,217,756 1,218,904 1,220,625 1,221,417 1,222,508 1,233,160 1,239,296 1,241,598 1,242,752 1,243,415 1,250,911 21: 1,215,063 1,217,681 1,221,950 1,222,114 1,231,646 1,237,392 1,238,380 1,248,013 22: 1,210,530 1,218,087 1,230,760 1,237,085 1,239,821 1,240,100 1,240,453 1,245,752 1,246,778
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Classification of patents—Continued.

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1,230,113 132: 1,236,414 133: 1,218,691 135: 1,246,554 136: 1,238,376 1,244,084 1,247,129 137: 1,213,253 1,224,596 138: 1,219,537 140: 1,235,114 141: 1,210,508 1,232,099 142: 1,232,480 144: 1,214,954 1,224,494 145: 1,234,602 147: 1,221,897 154: 1,215,804 1,216,019 1,232,296 162: R. 14,290	10— 162: 1,218,987 1,249,613 165: 1,243,723 11— 2: 1,212,352 1,215,160 1,230,292 1,231,765 1,235,322 1,243,891 1,246,913 1,250,728 3: 1,230,044 1,243,037 1,249,310 4: 1,220,389 1,238,342 7: 1,216,215 1,222,568 1,225,073 1,234,320 1,234,502 1,236,136 1,239,751 1,241,049 1,247,881 11: 1,211,297 1,215,643 1,217,399 1,221,737 1,241,694 12: 1,210,964 1,222,023 1,222,375 1,229,516 1,232,116 1,245,936 1,248,567 1,250,926 13: 1,211,324 1,219,634 1,221,599 1,222,010 1,222,037 1,225,512 1,225,543 1,227,004 1,240,255 1,245,483 1,248,488 15: 1,212,832 1,231,807 1,232,877 1,234,232 1,240,266 1,246,064 1,249,531 16: 1,224,667 1,235,382 1,243,394 17: 1,219,589 1,220,884 1,222,201 1,228,559 1,238,585 1,250,204 18: 1,217,849 1,237,912 1,242,475 1,241,886 1,249,256 R. 14,258 1,212,279 1,215,831 1,216,562 1,220,589 1,221,988 1,222,060 1,223,566 19: 1,226,111 1,227,653 1,232,844 1,233,481 1,235,956 1,236,475 1,239,285 1,239,977 1,240,621 1,240,691 1,243,726 1,244,089 1,246,843 1,250,706 20: 1,238,655 22: 1,214,438 1,214,541 1,218,364 1,230,997 1,232,389 1,240,820 1,241,371 23: 1,211,819 1,213,419 1,216,770 1,217,166	11— 23: 1,218,700 1,221,111 1,221,931 1,225,500 1,226,277 1,231,418 1,236,665 1,236,666 1,240,613 1,243,695 1,247,628 1,248,960 1,249,310 1,250,174 1,250,443 1,251,241 24: 1,237,537 33: 1,244,861 1,248,252 36: 1,212,509 1,212,584 1,216,312 1,221,521 1,223,759 1,235,677 1,235,933 1,246,632 1,247,891 1,248,543 1,249,893 12— 1: 1,210,655 1,212,724 1,216,299 1,217,122 1,217,360 1,218,017 1,218,637 1,222,838 1,224,428 1,227,786 1,236,397 1,247,214 1,247,312 2: 1,214,317 1,245,659 4: 1,249,185 6: 1,220,817 9: 1,246,300 12: 1,245,117 14: 1,218,783 1,222,125 1,222,126 1,241,087 1,223,363 1,237,356 16: 1,214,908 17: 1,217,595 1,246,237 1,247,519 1,247,893 1,250,057 18: 1,232,429 1,235,960 1,243,228 20: 1,210,696 1,216,130 1,216,497 1,217,456 1,218,046 1,218,561 1,236,467 1,236,715 1,243,951 1,245,411 21: R. 14,351 1,221,214 1,222,866 1,250,378 22: 1,227,729 23: 1,245,091 25: 1,248,791 27: 1,213,793 1,213,802 1,216,072 1,236,660 1,237,523 1,245,594 30: 1,213,770 1,217,455 1,219,792 1,220,691 1,230,691 1,238,268 1,243,944 1,247,836 1,250,776 31: 1,216,304 1,236,422 32: 1,226,941 1,230,860 33: 1,218,961 1,244,776 34: 1,217,405	12— 34: 1,218,983 1,238,865 1,238,866 1,239,664 37: 1,236,636 39: 1,212,203 1,235,191 40: 1,222,855 41: 1,229,237 1,232,427 42: 1,217,201 1,218,302 1,218,303 1,218,304 1,218,305 1,222,623 1,229,130 1,239,208 1,239,209 1,239,210 1,243,627 1,245,495 1,245,496 1,249,884 1,250,488 1,250,489 46: 1,212,807 47: 1,214,871 1,236,763 1,237,925 48: 1,213,052 1,238,391 1,246,299 49: 1,220,437 50: R. 14,368 1,219,659 1,223,728 1,227,818 1,228,948 51: 1,244,405 53: 1,226,503 1,244,650 54: 1,211,982 1,224,259 55: 1,234,677 57: 1,246,323 63: 1,235,983 1,235,984 1,247,846 67: 1,217,856 1,218,148 1,235,955 1,242,504 1,249,590 67.2: 1,234,276 1,238,625 69: 1,232,914 77: 1,246,902 78: 1,225,010 82: 1,213,572 1,226,872 87: 1,214,266 1,238,814 1,238,815 1,247,335 1,248,971 88: 1,231,464 1,235,709 91: 1,246,962 97: 1,235,651 1,247,011 103: 1,211,555 1,212,173 1,228,761 104: 1,228,180 1,231,457 118: 1,217,499 123: 1,222,888 1,224,196 1,224,198 1,237,402 125: 1,228,964 1,245,732 1,251,134 126: 1,227,575 1,238,894 127: 1,217,401 1,229,609 128: 1,272,470 1,226,449 1,231,359 130: 1,223,206 1,237,861 1,244,638 1,244,829 131: 1,229,998 1,248,290 133: 1,237,464 1,247,550 134: 1,237,991 135: 1,236,035 136: 1,212,768	12— 136: 1,224,451 1,230,893 1,232,529 1,237,645 1,240,174 1,242,145 1,242,146 1,242,147 137: 1,222,553 1,245,248 139: 1,230,706 140: 1,233,669 142: 1,211,326 1,215,304 1,215,440 1,215,449 1,216,441 1,221,153 1,221,154 1,221,388 1,224,081 1,229,077 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36: 1,210,410 1,211,639 1,224,629 1,241,237 38: 1,241,052 42: 1,210,715 71: R. 14,313 1,249,719 72: 1,232,437 76: 1,227,565 15— 1: 1,232,212 2: 1,212,572 1,223,195 1,238,837 1,245,869 1,246,873 1,251,321 4: 1,235,349 7: 1,236,954 1,240,516 1,244,132 1,247,675 8: 1,211,659 1,214,628 1,217,352 1,218,137 1,219,051 1,219,712 1,221,704 1,227,138 1,229,778 1,230,120 1,231,940 1,237,047 1,237,205 1,239,295 1,240,799 1,241,222 1,243,473 12: 1,234,721 1,246,956 13: 1,212,423 1,215,239 1,228,621 1,230,476 1,245,697 1,249,894 1,249,895 1,249,900 14: 1,211,948 1,214,513 1,214,849 1,220,074 1,224,292 1,227,047 1,229,648 1,233,822 1,244,400 1,250,131 15: 1,236,156 16: 1,232,065 1,234,452 1,237,475 17: 1,212,183 1,214,093 1,215,078 1,216,969 1,221,480 1,224,771 1,228,773 1,229,127 1,229,737 1,232,294 1,235,536 1,236,841 1,238,385 1,238,681 1,239,293 1,241,114 1,243,562 1,244,009 1,244,071 1,244,083 1,245,629 1,247,054 19: 1,222,237 1,229,027 1,232,832 23: 1,214,447 1,216,909 24: 1,219,293
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1,234,095 1,234,578 1,235,920 1,236,122 1,236,894 1,242,095 1,244,894 51: 1,212,967 1,214,025 1,217,054 1,217,597 1,218,081 1,219,196 1,219,296 1,221,218 1,226,163 1,228,847 1,230,072 1,230,325 1,235,466 1,240,558 1,250,767 52: 1,236,878 1,250,454 53: 1,212,255 1,216,399	15—	62: 1,245,997 65: 1,214,411 66: 1,221,587 1,241,645 71: 1,242,893 3: 1,236,217 4: 1,223,877 1,224,765 1,229,547 1,232,688 5: 1,211,366 1,218,696 1,221,684 1,228,981 1,231,313 1,249,516 1,249,700 6: 1,211,470 1,225,862 1,227,709 1,241,099 1,246,347 1,246,348 1,246,349 1,247,774 1,249,363 7: 1,215,084 1,216,591 1,219,601 1,223,451 1,225,272 1,249,664 8: 1,220,499 1,227,708 1,234,158 1,239,802 1,250,653 9: 1,215,498 1,231,526 10: 1,238,753 1,225,791 1,232,415 1,243,906 16: 1,215,101 1,219,467 1,248,038 17: 1,215,231 1,224,152 1,225,849 1,247,431 18: 1,213,084 1,214,697 1,219,424 1,220,073 1,231,994 1,236,451 1,236,618 1,236,637 1,247,622 19: 1,214,035 1,214,602 1,220,241 1,221,799 1,229,531 1,231,873 1,238,682 1,242,697 1,246,707 1,250,725 1,216,320 1,216,968 1,218,025 1,218,366 1,221,186 1,221,474 1,221,751 1,221,752 1,222,942 1,225,359 1,226,736 1,234,957 1,240,902 1,244,644 23: 1,218,068 24: 1,238,308 25: 1,214,748 1,220,084 1,226,179 1,235,407 1,236,536 1,241,081 1,241,085 1,242,700 1,245,733 1,248,132 1,249,815 26: 1,216,602 28: 1,219,120 1,225,351 1,228,242 1,230,264	16—	28: 1,233,960 1,237,650 1,242,889 1,225,435 29: 1,240,044 30: 1,223,587 1,241,667 35: 1,249,220 46: 1,217,414 1,224,753 1,241,478 1,244,594 48: 1,212,336 1,217,275 1,223,281 1,224,912 49: 1,216,573 1,220,356 1,224,036 1,224,749 1,230,285 1,232,048 1,232,225 1,235,789 1,245,127 51: 1,250,924 1,251,199 52: 1,226,569 1,226,680 1,239,544 1,242,830 53: 1,215,589 1,229,016 1,229,234 1,229,769 1,242,943 1,245,189 54: 1,211,860 1,236,864 58: 1,216,241 1,227,768 1,240,086 61: 1,213,863 1,241,991 1,247,052 1,249,831 63: 1,237,794 1,243,115 64: 1,217,878 1,219,488 1,228,995 1,231,135 1,239,360 1,246,950 1,246,992 1,249,176 65: 1,228,996 71: 1,224,615 73: 1,222,414 1,229,831 1,231,510 1,232,655 1,233,093 1,233,330 74: 1,249,882 76: 1,230,502 77: 1,211,480 1,212,663 1,218,197 1,221,580 1,223,845 1,226,442 1,232,000 1,232,818 1,236,352 1,239,441 78: 1,224,382 80: 1,220,673 82: 1,221,528 1,238,042 83: 1,237,030 84: 1,214,230 1,217,731 1,225,285 85: 1,211,374 87: 1,218,434 1,236,289 1,247,274 88: 1,211,337 1,214,535 1,218,471 1,220,469 1,225,322 1,226,258 1,228,012 1,239,510 1,241,082 1,241,083 1,241,084 1,243,947 1,249,190 1,250,542 90: 1,214,762	16—	90: 1,222,876 1,223,856 1,225,098 1,240,832 91: 1,229,653 1,232,563 1,232,577 96: 1,223,408 1,244,621 1,228,407 1,244,687 100: 1,249,111 103: 1,211,668 1,213,671 1,227,929 1,229,650 1,232,084 1,241,287 1,241,288 104: 1,221,987 1,234,887 1,243,950 1,248,407 105: 1,228,982 1,245,376 106: 1,213,538 1,214,263 1,215,593 1,217,607 1,221,492 1,221,779 1,223,062 1,223,063 1,223,187 1,228,441 1,230,743 1,231,948 1,237,838 107: 1,231,556 1,234,696 110: 1,222,629 1,248,854 112: 1,216,169 1,229,143 113: 1,228,481 115: 1,226,843 1,235,702 1,248,221 116: 1,223,861 1,250,445 1,251,336 119: 1,214,476 1,222,378 1,225,763 1,244,725 122: 1,224,799 124: 1,222,689 129: 1,237,089 1,239,393 135: 1,213,508 136: 1,220,144 142: 1,211,186 1,212,475 1,218,348 143: 1,244,393 144: 1,221,824 1,236,037 1,239,105 1,251,188 145: 1,233,055 146: 1,226,597 1,232,170 1,232,683 1,238,968 1,242,391 1,248,547 148: 1,214,036 150: 1,249,944 151: 1,214,416 1,222,045 1,224,294 156: 1,219,826 1,231,660 157: 1,226,548 163: 1,225,899 164: 1,247,827 165: 1,219,071 1,221,750 169: 1,217,287 171: 1,218,032 173: 1,230,472 6: 1,222,318 1,234,491 1,234,935 1,235,660 1,245,652 10: 1,217,809 1,217,821 1,222,926 1,223,468 1,224,923 1,228,311 1,228,366	17—	10: 1,235,085 1,236,369 1,236,405 1,244,168 1,247,502 1,210,951 1,213,717 1,214,493 1,221,185 1,221,406 1,232,448 1,245,419 1,249,776 12: 1,210,959 13: 1,223,129 1,239,489 1,241,969 14: 1,215,950 1,223,879 1,232,513 1,232,628 1,232,920 1,243,894 18: 1,218,096 1,239,926 20: 1,211,343 1,215,362 1,217,006 1,219,423 1,219,557 1,219,586 1,235,995 1,236,607 1,237,241 1,237,907 1,239,237 1,246,193 22: 1,220,970 24: 1,210,476 1,212,924 1,214,739 1,214,939 1,227,233 1,228,509 1,231,959 1,231,960 1,235,318 1,236,791 1,242,958 1,243,448 1,243,867 1,250,555 29: 1,212,999 30: 1,214,929 1,217,393 1,218,174 1,220,458 1,226,598 1,228,174 1,230,222 1,231,401 1,233,904 31: 1,212,464 1,219,857 1,228,848 1,232,682 1,215,880 1,225,372 1,247,173 1,251,175 2: 1,211,256 1,220,177 1,220,221 1,227,522 1,232,787 1,234,526 1,235,757 1,240,894 1,249,216 5: 1,232,297 1,241,029 5.3: 1,234,451 6: 1,210,938 1,248,541 1,215,910 1,218,100 1,240,931 7: 1,226,766 8: 1,224,070 1,240,675 9: 1,226,949 11: 1,211,081 12: 1,245,898 14: 1,211,370 1,248,962 1,248,963 15: 1,237,587 16: 1,211,176 17: 1,210,926 1,213,223 1,213,224 1,222,604 1,226,289
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Classification of patents—Continued.

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213, 744 1, 215, 211 29: 1, 240, 670 31: 1, 246, 535 33: 1, 218, 658 1, 218, 659 1, 218, 660 1, 238, 673 1, 242, 758 1, 246, 841 34: 1, 210, 873 1, 241, 586 1: 1, 230, 305 1, 241, 720 1.2: 1, 219, 786 1.4: 1, 211, 287 1, 214, 426 1, 218, 240 1, 220, 978 1, 221, 942 1, 224, 443 1, 232, 161 1, 232, 604 1, 240, 135 1, 240, 182 1, 240, 284 1, 243, 129 1, 250, 686 1, 251, 230 1.11: 1, 212, 019 1.12: 1, 241, 445 1.41: 1, 210, 718 1, 213, 592 1, 221, 373 1, 232, 368 2: 1, 221, 672 1, 228, 317 1, 230, 148 1, 232, 168 1, 236, 635 1, 238, 228 1, 249, 011 1, 250, 415 3: 1, 226, 194 1, 246, 614 3.5: 1, 221, 910 1, 230, 553 1, 245, 709 4: 1, 236, 829 1, 239, 770 5: 1, 211, 109 6: 1, 229, 407 9: 1, 212, 172	20—	12: 1, 211, 357 1, 249, 331 13: 1, 236, 283 14: 1, 221, 317 15: 1, 212, 005 1, 247, 381 16: 1, 210, 553 1, 213, 249 1, 213, 945 1, 222, 963 1, 233, 116 1, 233, 274 1, 242, 789 1, 245, 743 18: R. 14, 255 19: 1, 216, 202 1, 221, 766 1, 223, 528 1, 248, 755 1, 248, 756 1, 250, 992 20: 1, 212, 591 1, 220, 910 1, 221, 155 1, 230, 345 1, 243, 499 1, 246, 314 21: 1, 236, 040 22: 1, 211, 505 1, 219, 863 1, 227, 924 1, 234, 032 1, 244, 583 1, 244, 626 1, 245, 666 1, 247, 350 1, 250, 849 1, 251, 405 23: 1, 218, 377 1, 219, 059 1, 220, 436 1, 221, 971 1, 223, 954 1, 237, 731 1, 242, 001 1, 242, 798 1, 248, 426 24: 1, 216, 436 1, 220, 263 1, 242, 268 25: 1, 250, 816 26: 1, 215, 714 1, 215, 715 1, 215, 716 1, 228, 013 1, 228, 548 1, 236, 110 27: 1, 244, 078 28: 1, 229, 996 1, 233, 818 1, 241, 841 30: 1, 211, 309 1, 229, 072 1, 229, 085 1, 238, 586 1, 248, 359 1, 250, 137 31: 1, 212, 820 1, 219, 506 1, 226, 207 1, 242, 000 32: 1, 216, 013 1, 229, 985 35: 1, 244, 649 36: 1, 221, 478 38: 1, 239, 582 39: 1, 249, 703 40: 1, 227, 152 1, 238, 297 1, 238, 689 1, 246, 936 40.5: 1, 236, 439 42: 1, 220, 722 1, 226, 145 1, 235, 979 1, 239, 449 1, 245, 042 1, 249, 091 43: 1, 216, 753 45: 1, 222, 864 46: 1, 242, 290 49: 1, 240, 454 52: 1, 246, 346 52.1: 1, 218, 130 1, 228, 036 1, 238, 704 1, 240, 735 1, 249, 651 52.3: 1, 248, 451 53: 1, 213, 947 55: 1, 216, 121 56: 1, 224, 988 1, 247, 432	20—	56.1: 1, 230, 514 56.2: 1, 211, 959 56.3: 1, 236, 202 56.4: 1, 217, 356 1, 223, 609 56.5: 1, 224, 530 61: 1, 218, 684 64: 1, 210, 535 1, 231, 916 65: 1, 229, 920 67: 1, 215, 021 1, 216, 042 68: 1, 213, 103 1, 216, 524 1, 218, 331 1, 240, 603 1, 240, 685 69: 1, 212, 206 1, 219, 009 1, 221, 001 1, 223, 445 1, 231, 621 1, 231, 622 1, 233, 536 1, 245, 393 1, 245, 473 1, 247, 377 1, 249, 204 71: 1, 215, 462 1, 231, 783 1, 239, 473 1, 240, 025 74: 1, 220, 021 79: 1, 215, 235 81: 1, 211, 446 1, 218, 008 1, 246, 989 1, 250, 699 81.5: 1, 213, 043 1, 231, 014 1, 231, 823 1, 244, 670 1, 251, 066 81.6: 1, 211, 318 81.7: 1, 239, 814 82: 1, 250, 930 83: 1, 211, 069 1, 224, 893 1, 226, 112 1, 234, 510 1, 243, 520 1, 243, 532 1, 248, 228 84: 1, 226, 853 1, 238, 722 1, 238, 724 85: 1, 211, 906 1, 216, 214 1, 219, 870 1, 228, 868 1, 228, 960 1, 243, 732 1, 245, 958 86: 1, 210, 763 1, 214, 094 1, 222, 053 1, 226, 169 1, 241, 335 87: 1, 210, 819 1, 215, 994 1, 218, 321 1, 224, 127 1, 224, 709 1, 226, 858 1, 229, 073 1, 239, 472 1, 241, 424 1, 247, 136 88: 1, 211, 868 89: 1, 212, 073 1, 215, 570 92: 1, 212, 262 1, 214, 261 1, 215, 944 1, 219, 538 1, 226, 419 1, 230, 545 1, 236, 538 1, 239, 043 1, 241, 042 1, 250, 841 1, 251, 298 114: 1, 237, 202 148: 1, 251, 055 21—	21—	7: 1, 210, 721 1, 213, 868 1, 214, 932 1, 216, 153 1, 216, 986 1, 220, 183 1, 220, 999 1, 222, 868 1, 223, 806 1, 223, 912 1, 225, 192 1, 227, 757 1, 228, 138 1, 229, 223 1, 229, 534 1, 229, 589 1, 233, 319 1, 235, 733 1, 236, 286 1, 238, 480 1, 240, 353 1, 240, 704 1, 241, 342 1, 242, 035 1, 242, 221 1, 243, 183 1, 243, 288 1, 243, 958 1, 247, 282 1, 248, 410 1, 249, 793 1, 250, 326 8: R. 14, 306 1, 211, 710 1, 211, 925 1, 212, 781 1, 212, 983 1, 213, 597 1, 214, 046 1, 214, 713 1, 215, 902 1, 216, 597 1, 217, 057 1, 217, 188 1, 217, 591 1, 218, 415 1, 218, 794 1, 219, 073 1, 220, 322 1, 220, 357 1, 220, 605 1, 220, 613 1, 220, 747 1, 221, 623 1, 221, 937 1, 222, 374 1, 222, 839 1, 222, 929 1, 223, 247 1, 224, 826 1, 226, 245 1, 228, 438 1, 228, 734 1, 229, 119 1, 229, 314 1, 229, 535 1, 231, 472 1, 232, 621 1, 232, 678 1, 235, 356 1, 236, 499 1, 236, 500 1, 236, 847 1, 236, 971 1, 237, 108 1, 237, 169 1, 237, 799 1, 238, 301 1, 238, 377 1, 238, 399 1, 239, 194 1, 240, 150 1, 240, 178 1, 243, 696 1, 243, 960 1, 245, 040 1, 248, 955 1, 249, 250 1, 249, 525 1, 249, 722 1, 250, 270 1, 250, 374 9: 1, 211, 011 1, 223, 192 1, 224, 587 1, 228, 033 1, 233, 102 1, 233, 383 1, 241, 035 1, 243, 935 1, 244, 212 1, 244, 354	21—	9: 1, 244, 942 1, 245, 276 1, 249, 811 1, 241, 419 1, 232, 963 1, 235, 361 1, 212, 243 1, 213, 017 1, 213, 251 1, 215, 771 1, 217, 658 1, 223, 766 1, 224, 525 1, 226, 848 1, 235, 347 1, 241, 183 1, 242, 446 1, 245, 339 1, 245, 679 1, 246, 721 1, 247, 485 14: 1, 211, 907 1, 218, 050 1, 233, 159 1, 236, 207 1, 241, 795 1, 251, 433 20: 1, 210, 822 1, 210, 867 1, 211, 601 1, 220, 727 1, 220, 728 1, 220, 945 1, 221, 281 1, 221, 828 1, 223, 462 1, 224, 487 1, 225, 031 1, 225, 562 1, 226, 384 1, 226, 787 1, 235, 045 1, 237, 323 1, 237, 448 1, 237, 796 1, 237, 946 1, 242, 805 1, 243, 635 1, 244, 376 1, 245, 000 1, 245, 651 1, 245, 686 1, 246, 239 1, 248, 024 1, 248, 879 1, 250, 505 1, 251, 399 21: 1, 213, 633 1, 214, 045 1, 214, 386 1, 219, 910 1, 223, 639 1, 223, 822 1, 224, 319 1, 227, 231 1, 227, 332 1, 227, 917 1, 239, 174 1, 239, 899 1, 240, 608 1, 242, 543 1, 242, 860 1, 244, 351 1, 245, 591 1, 245, 881 1, 246, 141 1, 247, 538 1, 247, 778 1, 248, 974 1, 251, 335 23: 1, 211, 135 1, 219, 244 1, 220, 494 1, 222, 011 1, 227, 026 1, 227, 290 1, 228, 211 1, 229, 124 1, 231, 430 1, 235, 251 1, 238, 136 1, 244, 656 26: 1, 227, 656 1, 251, 163 30: 1, 239, 580 1, 249, 676 31: 1, 212, 800 1, 212, 801 1, 216, 040 1, 217, 362 1, 219, 133 1, 219, 810 1, 220, 314
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21— 31: 1, 222, 981	21— 55: 1, 213, 079	21— 65: 1, 231, 030	21— 78: 1, 243, 581	21— 90: 1, 223, 333	21— 90: 1, 242, 682
1, 224, 953	1, 215, 721	1, 234, 667	1, 246, 777	1, 223, 465	1, 242, 712
1, 227, 178	1, 222, 445	1, 234, 668	1, 248, 918	1, 223, 495	1, 243, 593
1, 227, 852	1, 227, 218	1, 234, 797	79: 1, 224, 023	1, 223, 505	1, 243, 862
1, 228, 398	1, 240, 942	1, 239, 498	1, 226, 423	1, 223, 629	1, 243, 863
1, 230, 427	1, 244, 434	1, 244, 506	1, 236, 951	1, 223, 633	1, 244, 001
1, 236, 477	56: 1, 214, 758	1, 244, 970	1, 240, 238	1, 223, 925	1, 244, 045
1, 236, 921	1, 223, 494	1, 245, 004	1, 240, 938	1, 224, 041	1, 244, 221
1, 243, 773	57: 1, 245, 681	68: 1, 221, 579	1, 240, 983	1, 224, 367	1, 244, 778
1, 247, 199	60: 1, 226, 324	1, 232, 387	1, 244, 285	1, 224, 402	1, 250, 677
1, 247, 991	61: 1, 218, 966	1, 242, 418	1, 251, 102	1, 224, 504	92: 1, 225, 829
1, 249, 827	1, 220, 306	1, 243, 432	80: 1, 223, 592	1, 224, 543	1, 233, 358
32: 1, 214, 487	1, 220, 522	1, 249, 252	1, 225, 015	1, 224, 750	1, 234, 374
33: 1, 230, 131	1, 222, 057	69: 1, 211, 076	1, 231, 220	1, 225, 075	94: 1, 212, 212
1, 231, 182	1, 223, 275	1, 211, 422	1, 231, 989	1, 225, 081	1, 212, 409
36: 1, 215, 416	1, 226, 287	1, 211, 572	1, 233, 009	1, 225, 110	1, 216, 009
1, 217, 627	1, 233, 541	1, 212, 798	1, 233, 292	1, 225, 190	1, 217, 903
1, 222, 192	1, 238, 234	1, 212, 799	1, 240, 359	1, 225, 075	1, 219, 042
1, 225, 897	1, 244, 281	1, 212, 802	1, 241, 402	1, 226, 199	1, 224, 575
1, 232, 752	1, 245, 996	1, 212, 803	1, 242, 496	1, 226, 269	1, 226, 672
1, 235, 577	1, 246, 731	1, 213, 241	1, 242, 887	1, 226, 276	1, 238, 285
1, 238, 095	1, 247, 193	1, 215, 552	1, 246, 516	1, 226, 632	1, 241, 315
39: 1, 216, 346	1, 249, 634	1, 215, 553	1, 246, 544	1, 226, 785	1, 242, 514
1, 218, 885	1, 250, 789	1, 215, 554	81: 1, 214, 292	1, 226, 958	1, 244, 075
1, 223, 152	1, 250, 949	1, 216, 161	1, 220, 529	1, 226, 959	1, 245, 227
1, 225, 168	62: 1, 210, 439	1, 216, 474	1, 222, 257	1, 226, 961	1, 247, 046
1, 225, 637	1, 211, 107	1, 219, 022	1, 233, 032	1, 227, 378	1, 247, 098
1, 234, 753	1, 215, 207	1, 220, 535	1, 237, 376	1, 227, 504	96: 1, 212, 277
1, 235, 489	1, 215, 684	1, 220, 768	1, 243, 218	1, 227, 576	1, 214, 685
1, 235, 962	1, 217, 120	1, 220, 769	1, 249, 156	1, 228, 009	1, 215, 091
1, 236, 738	1, 219, 735	1, 222, 094	82: 1, 214, 342	1, 228, 100	1, 215, 832
1, 237, 509	1, 219, 805	1, 223, 088	1, 219, 195	1, 228, 244	1, 217, 200
1, 248, 815	1, 219, 806	1, 223, 743	1, 244, 678	1, 228, 306	1, 218, 128
40: 1, 212, 081	1, 219, 807	1, 226, 421	1, 246, 386	1, 228, 307	1, 218, 467
1, 226, 008	1, 221, 669	1, 227, 381	1, 215, 085	1, 228, 472	1, 227, 882
41: 1, 241, 431	1, 223, 429	1, 227, 651	1, 215, 303	1, 228, 533	1, 228, 055
42: 1, 216, 730	1, 223, 702	1, 227, 841	1, 217, 017	1, 229, 082	1, 229, 058
1, 221, 969	1, 225, 038	1, 228, 310	1, 221, 396	1, 229, 296	1, 232, 222
1, 222, 360	1, 225, 377	1, 230, 016	1, 222, 179	1, 229, 416	1, 233, 735
1, 224, 405	1, 225, 384	1, 230, 616	1, 234, 725	1, 229, 682	1, 233, 792
1, 227, 437	1, 226, 079	1, 232, 081	1, 238, 524	1, 229, 954	1, 234, 200
1, 234, 571	1, 226, 217	1, 233, 126	1, 242, 634	1, 229, 971	1, 234, 775
1, 237, 750	1, 230, 109	1, 234, 387	84: 1, 247, 056	1, 230, 245	1, 238, 333
1, 239, 166	1, 230, 110	1, 234, 428	85: 1, 226, 124	1, 230, 259	1, 239, 196
43: 1, 210, 583	1, 230, 580	1, 235, 642	86: 1, 243, 074	1, 230, 450	1, 246, 784
1, 210, 749	1, 230, 904	1, 239, 794	88: 1, 222, 973	1, 230, 715	1, 251, 423
1, 210, 789	1, 230, 977	1, 239, 824	89: 1, 234, 968	1, 230, 748	1, 251, 445
1, 211, 108	1, 231, 874	1, 240, 003	90: R. 14, 249	1, 231, 163	97: 1, 220, 791
1, 211, 295	1, 231, 892	1, 240, 630	1, 210, 754	1, 231, 474	1, 236, 038
1, 218, 006	1, 231, 962	1, 242, 590	1, 210, 762	1, 231, 885	105: 1, 211, 272
1, 220, 498	1, 232, 103	1, 244, 193	1, 211, 033	1, 232, 232	1, 211, 981
1, 229, 871	1, 232, 194	1, 245, 269	1, 211, 151	1, 232, 244	1, 212, 506
1, 230, 436	1, 233, 405	1, 246, 052	1, 211, 238	1, 232, 335	1, 212, 837
1, 233, 957	1, 233, 425	1, 246, 269	1, 211, 416	1, 232, 402	1, 213, 523
1, 234, 402	1, 233, 586	1, 248, 585	1, 211, 531	1, 232, 487	1, 213, 797
1, 235, 667	1, 233, 880	1, 249, 826	1, 211, 637	1, 232, 550	1, 214, 403
1, 236, 022	1, 233, 946	74: 1, 212, 893	1, 211, 707	1, 232, 648	1, 214, 912
1, 236, 316	1, 235, 731	1, 213, 023	1, 211, 825	1, 232, 737	1, 215, 232
1, 236, 351	1, 235, 874	1, 214, 639	1, 211, 949	1, 232, 781	1, 215, 736
1, 236, 388	1, 236, 143	1, 219, 154	1, 212, 200	1, 233, 320	1, 216, 221
1, 240, 192	1, 237, 173	1, 225, 004	1, 212, 384	1, 233, 372	1, 216, 226
1, 241, 420	1, 237, 902	1, 225, 087	1, 212, 616	1, 233, 447	1, 216, 686
1, 245, 195	1, 239, 986	1, 228, 117	1, 212, 627	1, 233, 846	1, 216, 993
1, 247, 840	1, 240, 006	1, 233, 154	1, 212, 635	1, 234, 026	1, 218, 370
1, 248, 853	1, 240, 091	1, 238, 180	1, 212, 683	1, 234, 290	1, 219, 035
1, 249, 123	1, 242, 673	1, 239, 107	1, 212, 710	1, 234, 294	1, 220, 446
1, 249, 214	1, 243, 687	1, 239, 408	1, 212, 882	1, 234, 561	1, 221, 248
1, 250, 155	1, 244, 366	1, 242, 361	1, 212, 982	1, 234, 683	1, 223, 422
44: 1, 220, 577	1, 244, 402	1, 247, 823	1, 213, 401	1, 234, 752	1, 224, 496
1, 220, 943	1, 244, 692	1, 247, 847	1, 213, 811	1, 234, 854	1, 226, 468
1, 249, 650	1, 245, 278	1, 249, 257	1, 213, 904	1, 235, 215	1, 226, 673
46: 1, 221, 273	1, 246, 352	1, 249, 890	1, 214, 151	1, 235, 538	1, 227, 126
1, 227, 397	1, 246, 449	75: 1, 211, 342	1, 214, 897	1, 235, 719	1, 227, 963
1, 214, 460	1, 246, 482	1, 212, 265	1, 214, 968	1, 235, 747	1, 228, 515
47: 1, 210, 477	1, 247, 243	1, 215, 541	1, 215, 687	1, 235, 875	1, 228, 944
1, 210, 899	1, 247, 315	1, 216, 601	1, 216, 077	1, 235, 952	1, 230, 352
1, 210, 922	1, 248, 116	1, 217, 273	1, 216, 131	1, 235, 968	1, 233, 969
1, 211, 345	1, 249, 208	1, 226, 687	1, 216, 975	1, 235, 973	1, 241, 438
1, 213, 715	1, 249, 730	1, 227, 446	1, 217, 602	1, 236, 030	1, 241, 468
1, 214, 437	1, 249, 828	1, 232, 721	1, 217, 800	1, 236, 646	1, 241, 494
1, 216, 962	1, 249, 897	76: 1, 212, 718	1, 217, 813	1, 237, 207	1, 241, 595
1, 217, 136	1, 251, 259	1, 214, 691	1, 217, 935	1, 237, 288	1, 241, 622
1, 217, 729	63: 1, 210, 694	1, 214, 728	1, 218, 028	1, 237, 714	1, 242, 103
1, 220, 278	1, 217, 764	1, 217, 022	1, 218, 083	1, 237, 743	1, 242, 134
1, 225, 444	1, 226, 829	1, 219, 883	1, 218, 278	1, 237, 867	1, 243, 181
1, 225, 998	1, 234, 843	1, 221, 622	1, 218, 495	1, 238, 067	1, 247, 094
1, 225, 999	65: 1, 210, 690	1, 226, 541	1, 218, 613	1, 238, 105	1, 249, 199
1, 228, 088	1, 213, 938	1, 239, 988	1, 218, 939	1, 238, 173	1, 249, 210
1, 228, 093	1, 215, 633	1, 241, 442	1, 219, 006	1, 238, 946	1, 250, 452
1, 229, 161	1, 219, 274	1, 242, 179	1, 219, 007	1, 239, 505	1, 250, 829
1, 229, 889	1, 220, 269	1, 243, 243	1, 219, 040	1, 239, 521	108: 1, 220, 861
1, 229, 999	1, 220, 732	1, 250, 964	1, 219, 210	1, 239, 714	114: 1, 211, 216
1, 230, 809	1, 221, 997	77: 1, 211, 795	1, 219, 247	1, 239, 990	1, 211, 538
1, 232, 802	1, 224, 574	1, 218, 069	1, 219, 276	1, 239, 996	1, 211, 565
1, 236, 343	1, 224, 759	1, 224, 708	1, 219, 529	1, 240, 302	1, 211, 597
48: 1, 212, 496	1, 225, 859	1, 235, 944	1, 220, 028	1, 240, 302	1, 212, 525
1, 212, 883	1, 226, 894	1, 240, 052	1, 221, 925	1, 241, 355	1, 212, 593
1, 220, 822	1, 227, 875	78: 1, 216, 734	1, 222, 104	1, 241, 473	1, 213, 260
1, 222, 322	1, 229, 933	1, 223, 910	1, 222, 336	1, 241, 609	1, 213, 280
1, 223, 210	1, 230, 326	1, 228, 886	1, 222, 449	1, 241, 870	1, 213, 842
1, 223, 446	1, 230, 341	1, 228, 965	1, 222, 828	1, 241, 961	1, 214, 264
54: 1, 225, 145	1, 230, 709	1, 232, 809	1, 222, 902	1, 242, 588	1, 214, 361
55: 1, 212, 111	1, 230, 839	1, 234, 036	1, 223, 070	1, 242, 677	1, 214, 545

Classification of patents—Continued.

21— 114: 1,214,564	21— 114: 1,242,555	21— 148: 1,212,891	21— 187: 1,214,743	21— 216: 1,229,712	22— 112: 1,211,570
1,214,643	1,243,184	1,214,260	189: 1,224,772	1,232,635	113: 1,224,687
1,214,673	1,243,546	1,215,133	1,242,980	220: 1,219,877	114: 1,245,636
1,215,127	1,243,598	1,215,174	191: 1,212,530	1,240,928	116: 1,228,182
1,215,372	1,243,912	1,215,407	1,213,454	1,242,108	118: 1,235,608
1,216,398	1,245,566	1,216,520	1,218,090	1,245,573	123: 1,226,043
1,216,410	1,245,708	1,217,265	1,220,038	1,251,260	127: 1,212,997
1,216,681	1,245,715	1,218,672	1,223,009	22— 1: 1,216,212	127: 1,215,564
1,217,007	1,245,896	1,218,708	1,227,888	1,246,877	133: 1,233,949
1,217,257	1,245,952	1,218,994	1,230,539	2: 1,221,537	134: 1,218,438
1,217,293	1,246,452	1,219,513	1,232,434	1,223,026	136: 1,221,460
1,217,702	1,247,073	1,221,805	1,240,226	1,244,935	139: 1,210,774
1,217,906	1,247,450	1,222,294	1,241,474	3: 1,240,209	141: 1,223,775
1,218,388	1,249,059	1,223,119	1,244,169	4: 1,250,772	144: 1,243,779
1,218,666	1,249,996	1,223,205	1,245,317	8.5: 1,233,298	145: 1,245,046
1,219,444	1,250,329	1,223,551	1,247,801	10: 1,210,420	147: 1,211,899
1,219,637	1,250,381	1,223,780	1,250,793	1,211,796	153: 1,219,180
1,219,930	1,250,486	1,224,431	R. 14,348	13: 1,226,604	158: 1,225,187
1,220,383	1,219,492	1,225,608	1,211,332	25: 1,221,452	160: 1,221,459
1,220,388	1,246,603	1,226,159	1,212,160	1,227,773	161: 1,242,747
1,220,982	1,239,640	1,226,203	1,224,549	26: 1,243,091	172: 1,237,510
1,221,133	1,249,489	1,227,306	1,225,737	1,249,994	173: 1,211,116
1,221,320	1,250,621	1,227,595	1,246,862	31: 1,221,266	184: 1,241,862
1,221,334	1,213,080	1,228,545	1,249,680	32: 1,211,618	188: 1,215,109
1,221,458	1,241,418	1,229,594	1,223,907	1,220,725	189: 1,218,394
1,221,739	1,243,200	1,231,213	1,228,980	1,243,030	190: 1,238,211
1,222,260	1,230,306	1,235,867	1,234,952	1,248,975	192: 1,233,067
1,222,295	1,232,070	1,236,550	1,246,920	1,248,580	193: 1,224,618
1,222,546	1,234,145	1,237,104	1,248,580	1,212,451	196: 1,239,806
1,222,557	1,242,638	1,238,579	1,227,851	1,232,775	197: 1,215,143
1,222,750	1,214,892	1,238,803	1,232,775	1,245,114	200: 1,210,490
1,222,812	1,229,746	1,240,646	1,232,568	1,245,955	201: 1,250,287
1,222,911	1,230,359	1,240,940	1,233,299	1,214,117	202: 1,239,603
1,222,989	1,232,092	1,243,445	1,250,813	44: 1,214,117	204: 1,213,629
1,224,109	1,229,359	1,243,794	1,234,050	45: 1,228,788	205: 1,222,813
1,224,716	1,212,977	1,243,937	1,232,952	1,242,351	207: 1,211,206
1,225,339	1,215,228	1,244,462	1,238,135	1,242,364	208: 1,229,210
1,226,200	1,216,297	1,244,732	1,239,358	1,242,364	209: 1,210,580
1,227,016	1,224,610	1,244,853	1,222,238	50: 1,213,979	210: 1,212,780
1,227,339	1,241,331	1,244,855	1,243,317	1,248,886	211: 1,242,096
1,227,477	1,217,354	1,247,242	R. 14,385	56: 1,248,886	212: 1,215,780
1,227,630	1,228,594	1,248,218	1,231,292	57: 1,215,784	213: 1,251,435
1,227,878	1,244,620	1,248,285	1,233,025	1,239,806	214: 1,238,541
1,228,134	1,212,949	1,248,855	1,234,014	1,250,803	215: 1,237,235
1,228,179	1,213,385	1,248,921	1,210,490	58: 1,219,289	216: 1,244,044
1,228,688	1,213,440	1,249,397	1,213,057	1,235,779	217: 1,217,961
1,228,709	1,215,108	1,251,332	1,215,168	65: 1,223,676	219: 1,234,254
1,228,902	1,218,947	1,232,597	1,217,442	1,235,994	220: 1,245,687
1,229,465	1,220,214	1,217,442	1,220,852	1,240,546	221: 1,245,687
1,229,865	1,221,086	1,220,852	1,222,335	67: 1,227,175	222: 1,227,573
1,229,901	1,221,608	1,222,335	1,223,050	68: 1,249,919	223: 1,235,071
1,230,014	1,222,666	1,223,050	1,227,005	69: 1,216,341	224: 1,242,827
1,230,293	1,223,093	1,227,005	1,228,687	1,219,357	225: 1,244,257
1,230,340	1,225,428	1,228,687	1,230,504	1,219,359	226: 1,250,502
1,230,402	1,226,960	1,230,504	1,235,915	1,233,182	227: 1,243,471
1,230,655	1,226,962	1,235,915	1,236,638	1,235,857	228: 1,243,795
1,230,752	1,233,396	1,236,638	1,237,814	1,239,807	229: 1,246,444
1,231,408	1,234,068	1,237,814	1,239,288	70: 1,220,056	230: 1,250,601
1,232,245	1,234,224	1,239,288	1,245,001	1,226,408	231: 1,217,581
1,232,414	1,234,788	1,245,001	1,245,293	1,242,938	232: 1,247,645
1,232,420	1,235,055	1,245,293	1,246,097	1,242,939	233: 1,219,553
1,232,482	1,235,082	1,246,097	1,246,742	73: 1,218,091	234: 1,217,581
1,232,505	1,236,513	1,246,742	1,249,166	1,219,710	235: 1,247,645
1,232,629	1,237,355	1,249,166	1,222,356	1,230,254	236: 1,250,612
1,232,689	1,237,507	1,222,356	1,228,024	1,237,092	237: 1,211,249
1,233,849	1,237,546	1,228,024	1,238,603	76: 1,230,587	238: 1,214,904
1,234,074	1,238,603	1,238,603	1,241,786	1,246,549	239: 1,215,243
1,234,148	1,242,390	1,241,786	1,242,390	1,248,453	240: 1,217,662
1,234,355	1,243,177	1,242,390	1,243,177	1,219,553	241: 1,219,553
1,234,457	1,245,276	1,243,177	1,245,276	77: 1,231,808	242: 1,241,687
1,234,604	1,245,677	1,245,276	1,247,201	1,212,284	243: 1,251,282
1,234,813	1,247,201	1,247,201	1,221,665	1,219,323	80: 1,215,677
1,234,869	1,247,410	1,221,665	1,230,106	1,223,816	1,226,496
1,235,014	1,247,895	1,230,106	1,230,713	1,229,404	1,226,651
1,235,400	1,248,300	1,230,713	1,231,066	1,228,793	1,228,793
1,235,413	1,248,765	1,231,066	1,241,481	1,228,794	1,233,068
1,235,687	1,249,705	1,241,481	1,242,650	1,238,072	1,238,072
1,235,822	1,250,066	1,242,650	1,243,255	82: 1,226,653	1,246,783
1,235,888	1,214,331	1,243,255	1,243,662	1,221,226	1,246,783
1,236,709	1,217,116	1,243,662	1,245,433	84: 1,223,479	1,246,783
1,236,813	1,218,516	1,245,433	1,247,705	85: 1,212,860	1,246,783
1,237,494	1,227,029	1,247,705	1,248,833	86: 1,228,665	1,246,783
1,237,642	1,248,833	1,248,833	1,250,156	1,238,108	1,246,783
1,237,939	1,250,156	1,250,156	1,247,993	88: 1,243,718	1,246,783
1,237,970	1,216,360	1,247,993	1,249,069	89: 1,224,659	1,246,783
1,237,975	1,223,469	1,249,069	1,251,104	90: 1,226,256	1,246,783
1,238,079	1,249,616	1,251,104	1,215,322	1,227,775	1,246,783
1,238,732	1,251,348	1,215,322	1,216,195	1,212,780	1,246,783
1,239,328	1,215,208	1,216,195	1,223,949	1,213,663	1,246,783
1,239,484	1,226,809	1,223,949	1,231,531	1,236,109	1,246,783
1,240,338	1,232,923	1,231,531	1,236,263	1,251,435	1,246,783
1,240,423	1,237,463	1,236,263	1,245,219	1,238,541	1,246,783
1,240,488	1,242,779	1,245,219	1,247,674	1,232,866	1,246,783
1,240,650	1,215,528	1,247,674	1,250,477	1,235,718	1,246,783
1,240,761	1,227,872	1,250,477	1,212,332	1,245,335	1,246,783
1,240,782	1,244,223	1,212,332	1,217,904	1,217,904	1,246,783
1,240,985	1,244,238	1,217,904	1,235,468	1,235,557	1,246,783
1,241,034	1,246,443	1,235,468	1,219,150	1,224,144	1,246,783
1,241,563	R. 14,413	1,220,261	1,248,031	1,211,578	1,246,783
1,241,679	1,211,420				1,246,783
1,241,766					1,246,783
1,242,500					1,246,783

Classification of patents—Continued.

23—	1: 1,249,392 1,249,728 3: 1,216,303 1,221,455 1,223,953 1,229,587 1,229,803 1,233,505 1,238,123 1,246,227 1,248,232 5: 1,219,509 1,225,414 1,229,064 1,243,149 1,246,640 1,246,641 1,246,642 1,247,803 10: R.14,277 1,210,570 1,210,651 1,212,281 1,213,921 1,231,853 1,234,380 1,235,664 1,235,953 1,236,570 1,239,516 1,249,863 13: 1,210,714 1,211,181 1,211,564 1,211,713 1,212,007 1,212,504 1,212,702 1,213,375 1,213,414 1,213,415 1,213,429 1,214,991 1,215,351 1,215,545 1,215,576 1,216,452 1,217,247 1,217,471 1,218,588 1,218,638 1,219,819 1,222,640 1,222,960 1,223,356 1,224,578 1,225,722 1,225,832 1,225,872 1,228,516 1,229,611 1,230,162 1,230,163 1,230,343 1,231,423 1,231,471 1,232,169 1,232,334 1,232,471 1,233,977 1,234,260 1,235,552 1,235,887 1,236,978 1,237,128 1,237,488 1,237,815 1,237,840 1,238,147 1,238,242 1,239,768 1,239,885 1,240,570 1,240,571 1,240,572 1,240,607 1,241,020 1,241,834 1,242,355 1,242,434 1,243,190 1,244,082 1,244,884 1,247,165 1,247,278 1,247,510 1,248,867 1,248,880 1,249,125 1,250,063 1,250,471 1,250,642	23—	13: 1,250,874 1,251,295 1,251,296 21: 1,210,598 1,211,393 1,216,059 1,225,755 1,237,485 1,243,382 1,244,580 1,247,060 22: 1,214,003 1,215,517 1,215,518 1,215,543 1,215,544 1,215,546 1,215,574 1,215,575 1,217,388 1,217,389 1,217,390 1,220,989 1,221,506 1,227,781 1,232,156 1,232,977 1,233,273 1,234,626 1,236,903 1,236,564 1,238,916 1,239,616 1,239,787 1,247,619 1,249,314 1,249,708 24: R.14,388 1,210,681 1,210,725 1,210,726 1,210,792 1,211,588 1,211,923 1,212,359 1,212,612 1,212,928 1,213,142 1,213,143 1,213,261 1,213,464 1,213,465 1,213,486 1,213,487 1,213,724 1,213,740 1,214,919 1,214,924 1,215,903 1,216,174 1,216,462 1,217,218 1,217,446 1,217,447 1,217,462 1,217,722 1,217,862 1,218,332 1,218,655 1,218,656 1,218,713 1,219,226 1,219,571 1,219,572 1,219,573 1,219,575 1,219,954 1,220,078 1,220,248 1,220,249 1,220,820 1,220,821 1,221,077 1,221,352 1,221,667 1,222,033 1,222,345 1,224,485 1,225,321 1,225,407 1,226,394 1,227,252 1,227,624 1,227,894 1,228,414 1,228,926 1,229,593 1,230,087 1,230,185 1,230,600 1,230,899 1,230,975	23—	24: 1,231,009 1,231,123 1,232,249 1,232,373 1,233,333 1,233,986 1,234,156 1,234,720 1,234,886 1,235,018 1,235,278 1,235,283 1,235,426 1,236,578 1,236,579 1,237,076 1,237,183 1,237,405 1,237,413 1,237,652 1,237,828 1,238,930 1,239,786 1,239,867 1,240,523 1,240,766 1,241,017 1,241,153 1,241,919 1,241,920 1,241,995 1,242,208 1,242,773 1,244,444 1,244,901 1,244,902 1,245,343 1,245,553 1,245,742 1,246,739 1,247,270 1,247,499 1,247,629 1,248,065 1,249,511 28: 1,211,394 1,215,334 1,215,335 1,215,396 1,216,933 1,222,660 1,223,123 1,226,620 1,226,945 1,232,830 1,236,853 1,238,774 1,251,201 1,251,202 1,251,203 1,251,204 1,251,204 29: 1,230,581 1,234,600 30: 1,221,357 1,231,226 31: 1,230,392 1,211,450 1,211,828 1,215,182 1,219,240 1,231,409 1,231,410 1,231,411 1,231,707 1,240,904 1,248,374 75: 1,243,835 1: 1,218,739 1,245,515 2: 1,226,001 3: 1,211,463 1,212,511 1,212,920 1,213,088 1,215,283 1,216,716 1,217,545 1,220,212 1,225,692 1,234,859 1,245,423 1,247,103 1,250,166 6: 1,210,957 9: 1,233,494 10: 1,213,644 1,228,298 11: 1,224,026 1,236,330 1,236,781 1,244,291 1,246,318	24—	11: 1,247,957 1,250,533 12: 1,227,099 1,241,311 1,248,115 16: 1,230,522 17: 1,220,226 1,225,609 1,225,921 1,234,463 1,238,720 1,245,455 18: 1,219,831 1,222,887 1,223,596 1,228,192 1,230,791 1,233,365 1,239,950 1,240,077 1,241,298 1,241,647 1,242,156 1,243,254 1,244,157 1,246,703 1,247,008 1,247,479 1,249,585 1,249,879 1,250,014 21: 1,247,253 23: 1,218,337 1,226,876 1,241,301 26: 1,219,283 1,219,702 1,240,672 1,251,226 27: 1,236,059 1,248,360 28: 1,222,930 30.5: 1,242,139 1,243,232 1,243,233 1,243,283 1,243,865 1,212,712 1,223,116 1,229,903 1,232,731 1,250,958 32: 1,228,429 1,229,441 1,248,709 33: 1,212,258 1,218,227 1,224,498 1,225,572 1,227,253 1,246,194 1,247,269 1,249,419 34: 1,220,833 35: 1,247,174 36: 1,248,128 1,250,611 37: 1,220,795 1,235,656 40: 1,242,248 41: 1,226,644 43: 1,230,133 48.4: 1,249,182 49: 1,216,510 1,226,577 50: 1,230,000 54: 1,236,958 1,242,629 56: 1,230,519 1,237,500 57: 1,218,224 1,242,216 60: 1,213,524 1,223,229 1,248,086 61: 1,235,469 62: 1,215,092 1,217,173 1,231,512 1,235,982 66: 1,242,451 1,218,276 1,218,675 1,224,998 1,226,992 1,227,719 1,236,698 1,241,306 1,243,326 1,248,981 1,249,615 67: 1,222,500 1,233,912 1,236,336	24—	67: 1,239,701 1,250,016 1,250,343 68: 1,219,482 1,220,435 1,225,839 1,229,146 1,230,146 1,231,068 1,232,554 1,239,610 1,240,703 1,243,291 1,243,469 1,248,724 69: 1,237,605 1,238,631 1,246,725 1,248,326 71.3: 1,215,391 1,248,367 1,241,647 1,242,156 1,243,254 1,244,157 1,246,703 1,247,008 1,247,479 1,249,585 1,249,879 1,250,014 1,247,253 1,218,337 1,226,876 1,241,301 1,219,283 1,219,702 1,240,672 1,251,226 1,236,059 1,248,360 1,222,930 1,242,139 1,243,232 1,243,233 1,243,283 1,243,865 1,212,712 1,223,116 1,229,903 1,232,731 1,250,958 1,228,429 1,229,441 1,248,709 1,212,258 1,218,227 1,224,498 1,225,572 1,227,253 1,246,194 1,247,269 1,249,419 1,220,833 1,247,174 1,248,128 1,250,611 1,220,795 1,235,656 1,242,248 1,226,644 1,230,133 1,249,182 1,216,510 1,226,577 1,230,000 1,236,958 1,242,629 1,230,519 1,237,500 1,218,224 1,242,216 1,213,524 1,223,229 1,248,086 1,235,469 1,215,092 1,217,173 1,231,512 1,235,982 1,242,451 1,218,276 1,218,675 1,224,998 1,226,992 1,227,719 1,236,698 1,241,306 1,243,326 1,248,981 1,249,615 1,222,500 1,233,912 1,236,336	24—	67: 1,239,701 1,250,016 1,250,343 68: 1,219,482 1,220,435 1,225,839 1,229,146 1,230,146 1,231,068 1,232,554 1,239,610 1,240,703 1,243,291 1,243,469 1,248,724 69: 1,237,605 1,238,631 1,246,725 1,248,326 71.3: 1,215,391 1,248,367 1,241,647 1,242,156 1,243,254 1,244,157 1,246,703 1,247,008 1,247,479 1,249,585 1,249,879 1,250,014 1,247,253 1,218,337 1,226,876 1,241,301 1,219,283 1,219,702 1,240,672 1,251,226 1,236,059 1,248,360 1,222,930 1,242,139 1,243,232 1,243,233 1,243,283 1,243,865 1,212,712 1,223,116 1,229,903 1,232,731 1,250,958 1,228,429 1,229,441 1,248,709 1,212,258 1,218,227 1,224,498 1,225,572 1,227,253 1,246,194 1,247,269 1,249,419 1,220,833 1,247,174 1,248,128 1,250,611 1,220,795 1,235,656 1,242,248 1,226,644 1,230,133 1,249,182 1,216,510 1,226,577 1,230,000 1,236,958 1,242,629 1,230,519 1,237,500 1,218,224 1,242,216 1,213,524 1,223,229 1,248,086 1,235,469 1,215,092 1,217,173 1,231,512 1,235,982 1,242,451 1,218,276 1,218,675 1,224,998 1,226,992 1,227,719 1,236,698 1,241,306 1,243,326 1,248,981 1,249,615 1,222,500 1,233,912 1,236,336	24—	102: 1,228,212 1,229,607 1,243,547 1,243,775 1,250,039 1,250,372 103: 1,214,505 1,227,124 1,239,104 104: 1,216,535 1,219,188 1,229,452 1,237,279 1,239,070 105: 1,212,047 1,233,455 1,243,024 106: 1,245,852 108: 1,221,009 110: R.14,342 1,226,692 115: 1,227,168 1,229,855 1,243,459 1,247,168 1,248,328 1,249,371 1,250,046 116: 1,234,208 1,241,477 117: 1,220,629 119: 1,221,656 120: 1,222,835 1,245,023 1,249,461 121: 1,239,355 1,249,949 123: 1,237,465 1,241,230 1,243,493 1,245,099 1,246,175 1,250,525 1,251,375 124: 1,236,115 125: 1,230,215 1,238,811 1,248,973 126: 1,214,709 1,234,435 1,244,093 1,248,991 1,249,093 1,250,003 1,251,103 127: 1,235,964 128: 1,237,020 129: 1,222,850 1,226,623 1,228,019 1,251,048 130: 1,213,479 1,220,698 1,231,309 1,248,101 131: 1,218,811 1,227,394 1,230,397 1,231,725 1,244,797 1,246,864 132: 1,229,590 1,237,599 1,241,379 1,250,590 133: 1,223,908 1,245,554 1,245,880 1,249,228 1,249,405 134: 1,216,575 1,218,752 1,226,221 1,228,535 1,229,690 1,233,866 1,239,061 1,240,966 1,243,103 1,243,104 1,243,105 1,243,106 1,243,107 1,243,109 1,244,136 1,250,776 135: 1,212,708 1,215,201 1,219,015 1,223,961 1,233,939 1,234,038
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Classification of patents—Continued.

24— 135: 1, 234, 928 1, 243, 065 1, 244, 043 136: 1, 218, 138 1, 227, 167 1, 229, 302 1, 229, 408 1, 238, 167 1, 242, 063 137: 1, 223, 710 1, 228, 870 139: 1, 211, 211 1, 220, 714 1, 222, 510 1, 225, 568 1, 225, 630 1, 229, 632 1, 234, 754 1, 237, 856 1, 239, 962 1, 242, 804 1, 245, 892 140: 1, 224, 390 1, 242, 774 141: 1, 235, 184 1, 247, 087 143: 1, 218, 260 1, 233, 863 1, 247, 398 144: 1, 248, 798 145: 1, 246, 724 146: 1, 215, 708 147: 1, 240, 271 1, 250, 873 149: 1, 222, 700 150: 1, 212, 630 1, 213, 540 1, 225, 823 1, 247, 630 1, 248, 450 152: 1, 225, 114 1, 241, 606 153: 1, 211, 158 1, 233, 983 1, 238, 366 1, 238, 568 1, 242, 620 155: 1, 213, 903 1, 215, 015 1, 215, 204 1, 216, 905 1, 219, 070 1, 219, 872 1, 223, 540 1, 227, 238 1, 229, 089 1, 235, 622 1, 237, 049 1, 238, 357 1, 251, 417 156: 1, 224, 733 1, 225, 164 1, 233, 253 1, 241, 948 157: 1, 213, 276 1, 222, 515 1, 228, 025 1, 242, 054 1, 243, 995 158: 1, 214, 633 1, 228, 994 159: 1, 246, 582 160: 1, 249, 519 161: 1, 221, 869 1, 248, 123 162: 1, 214, 312 1, 245, 205 165: 1, 213, 695 166: 1, 242, 571 168: 1, 224, 252 169: 1, 216, 881 1, 221, 741 1, 229, 263 170: 1, 230, 432 1, 231, 130 1, 235, 820 176: 1, 245, 175 178: 1, 212, 765 1, 214, 052 1, 226, 316 1, 227, 591 181: 1, 247, 030 184: 1, 231, 603 191: 1, 212, 622 1, 218, 334 1, 223, 671 1, 232, 546 1, 233, 092 1, 234, 718 1, 236, 121 1, 238, 096 1, 245, 749 1, 249, 812	24— 192: 1, 220, 533 1, 235, 827 194: R. 14, 316 1, 227, 115 196: 1, 212, 328 1, 234, 818 200: 1, 239, 489 1, 240, 825 201: 1, 218, 189 1, 221, 405 1, 222, 217 1, 225, 216 1, 240, 066 1, 243, 018 202: 1, 221, 010 203: 1, 222, 103 1, 223, 641 1, 230, 538 1, 235, 143 1, 236, 308 204: 1, 236, 298 205: 1, 211, 996 1, 219, 881 1, 223, 774 1, 236, 783 1, 243, 458 206: 1, 213, 109 1, 224, 486 1, 226, 582 1, 227, 274 1, 232, 978 1, 249, 092 207: 1, 211, 315 1, 218, 499 1, 220, 602 1, 233, 630 1, 236, 784 208: 1, 224, 177 1, 225, 818 1, 242, 579 209: 1, 219, 146 211: 1, 214, 945 1, 217, 048 1, 217, 640 1, 220, 777 1, 225, 741 1, 228, 627 1, 233, 216 1, 234, 791 1, 246, 654 1, 246, 868 1, 247, 258 1, 251, 380 213: 1, 231, 841 1, 248, 030 214: 1, 237, 201 1, 247, 411 1, 248, 723 215: 1, 226, 310 216: 1, 234, 256 1, 240, 878 217: 1, 219, 179 1, 225, 420 1, 229, 562 1, 243, 859 218: R. 14, 303 1, 215, 217 1, 217, 164 1, 220, 622 1, 222, 096 1, 223, 181 1, 226, 039 1, 233, 235 1, 234, 359 1, 236, 116 1, 237, 469 1, 246, 069 221: 1, 213, 496 1, 223, 146 1, 223, 683 1, 230, 176 1, 230, 520 222: 1, 225, 710 1, 227, 908 1, 228, 181 1, 235, 820 1, 250, 507 223: 1, 226, 387 1, 233, 215 1, 235, 262 1, 216, 263 1, 219, 415 1, 222, 095 1, 232, 502 1, 232, 503 1, 236, 079 1, 245, 542 1, 248, 197 1, 251, 085 225: 1, 221, 717 1, 248, 298 226: 1, 219, 052	24— 226: 1, 229, 795 1, 234, 810 227: 1, 245, 521 1, 249, 357 228: 1, 216, 571 1, 228, 893 1, 235, 529 230: 1, 227, 411 1, 228, 256 1, 232, 733 1, 236, 458 1, 238, 495 1, 242, 159 1, 249, 959 231: 1, 211, 320 1, 214, 717 1, 216, 860 232: 1, 220, 614 1, 231, 191 1, 235, 346 1, 243, 590 1, 249, 241 233: 1, 221, 011 1, 223, 812 1, 246, 520 234: 1, 237, 885 1, 245, 275 1, 240, 810 235: 1, 228, 018 236: 1, 232, 760 1, 235, 854 1, 245, 671 237: 1, 251, 415 1, 231, 742 1, 236, 014 238: 1, 246, 911 1, 249, 104 239: 1, 214, 276 1, 215, 920 1, 223, 957 1, 224, 744 1, 236, 104 1, 239, 745 1, 240, 662 1, 244, 599 1, 250, 596 241: 1, 214, 755 1, 215, 281 1, 219, 871 1, 219, 944 1, 220, 002 1, 228, 513 1, 233, 376 1, 234, 781 1, 235, 480 1, 238, 859 1, 239, 993 1, 244, 303 1, 245, 678 1, 246, 900 242: 1, 232, 417 1, 235, 682 1, 239, 301 1, 240, 381 1, 241, 806 1, 246, 174 1, 248, 596 243: 1, 216, 104 1, 216, 943 1, 216, 959 1, 233, 932 1, 234, 041 1, 247, 437 244: 1, 221, 279 1, 233, 506 1, 235, 600 1, 248, 732 245: 1, 210, 574 1, 219, 162 1, 222, 724 1, 226, 271 1, 228, 480 1, 230, 685 1, 233, 255 1, 235, 921 1, 236, 120 1, 239, 683 1, 240, 240 1, 248, 804 1, 250, 499 246: 1, 214, 130 1, 215, 444 1, 223, 989 1, 245, 070 247: 1, 225, 436 1, 243, 061 1, 229, 198 1, 229, 199 1, 237, 564 1, 242, 780 249: 1, 211, 998 1, 225, 674	24— 249: 1, 229, 977 250: 1, 213, 392 1, 223, 608 1, 234, 896 1, 239, 595 1, 244, 194 1, 245, 756 251: 1, 224, 466 1, 231, 231 1, 234, 125 252: 1, 219, 719 1, 229, 200 1, 231, 120 1, 236, 282 1, 243, 346 253: 1, 212, 529 1, 214, 795 1, 221, 582 1, 250, 264 1, 246, 492 254: 1, 240, 377 257: 1, 240, 870 258: 1, 218, 077 259: 1, 214, 794 1, 215, 058 1, 217, 125 1, 223, 630 1, 224, 762 1, 227, 209 1, 227, 614 1, 232, 747 1, 233, 294 1, 233, 609 1, 236, 654 1, 237, 223 1, 237, 224 260: 1, 242, 122 1, 227, 112 1, 246, 485 261: 1, 222, 250 1, 222, 675 1, 227, 193 1, 231, 016 1, 250, 308 262: 1, 212, 671 1, 251, 308 263: 1, 213, 645 1, 218, 769 1, 236, 261 1, 238, 765 1, 240, 465 265: 1, 227, 053 1, 244, 279 268: 1, 236, 797 1, 250, 498 1, 210, 820 25— 1: 1, 210, 823 1, 212, 838 1, 218, 473 1, 219, 448 1, 220, 555 1, 220, 807 1, 221, 014 1, 221, 765 1, 223, 144 1, 224, 019 1, 225, 753 1, 229, 582 1, 230, 362 1, 234, 098 1, 236, 144 1, 238, 049 1, 241, 007 1, 246, 411 1, 248, 334 1, 249, 520 2: 1, 227, 764 3: 1, 226, 795 5: 1, 226, 313 7: 1, 231, 693 11: 1, 226, 668 12: 1, 242, 120 13: 1, 246, 337 15: 1, 246, 048 17: 1, 220, 902 1, 234, 017 21: 1, 226, 115 24: 1, 230, 017 1, 247, 384 27: 1, 233, 390 30: 1, 211, 787 1, 222, 958 1, 223, 602 1, 233, 239 36: 1, 248, 018 41: 1, 211, 842 1, 214, 530 1, 216, 934 1, 218, 615 1, 219, 660 1, 220, 452 1, 220, 532 1, 221, 283	25— 41: 1, 221, 367 1, 224, 770 1, 226, 765 1, 226, 873 1, 228, 269 1, 232, 177 1, 237, 887 1, 239, 326 1, 241, 228 1, 241, 487 1, 241, 932 1, 245, 994 42: 1, 232, 078 1, 247, 939 43: 1, 214, 706 1, 221, 272 1, 224, 073 1, 250, 084 45: 1, 220, 521 1, 238, 132 1, 238, 415 1, 246, 722 47: 1, 231, 267 55: 1, 239, 072 67: 1, 242, 704 77: 1, 221, 878 83: 1, 219, 773 1, 221, 284 1, 227, 831 84: 1, 213, 219 1, 220, 733 85: 1, 241, 398 89: 1, 223, 457 1, 233, 604 100: 1, 211, 464 101: 1, 210, 664 1, 215, 215 1, 229, 899 103: 1, 247, 213 104: 1, 227, 900 105: 1, 214, 360 1, 243, 969 110: 1, 214, 668 1, 221, 594 1, 245, 432 113: 1, 234, 493 117: 1, 250, 531 118: 1, 214, 870 1, 228, 937 1, 231, 342 1, 234, 944 1, 243, 713 1, 245, 840 1, 246, 404 119: 1, 217, 860 1, 229, 873 1, 244, 484 1, 244, 845 120: 1, 233, 878 121: 1, 214, 431 1, 214, 571 1, 214, 810 1, 215, 961 1, 218, 737 1, 219, 080 1, 219, 127 1, 219, 131 1, 219, 348 1, 219, 689 1, 220, 526 1, 232, 988 1, 233, 241 1, 233, 848 1, 235, 460 1, 235, 858 1, 236, 559 1, 237, 160 1, 242, 439 1, 244, 608 1, 247, 573 1, 249, 867 1, 250, 097 1, 250, 233 122: 1, 211, 632 123: 1, 248, 125 124: 1, 212, 211 1, 212, 397 1, 212, 397 1, 213, 838 1, 215, 318 1, 216, 223 1, 225, 356 1, 227, 255 1, 229, 163 1, 237, 774 127: 1, 212, 021 1, 212, 839 1, 215, 797 1, 225, 182 1, 227, 824 1, 231, 700 1, 236, 410 1, 237, 003	25— 127: 1, 238, 456 1, 248, 691 1, 250, 956 128: 1, 225, 768 1, 228, 455 1, 233, 509 1, 238, 384 1, 242, 092 1, 244, 937 1, 245, 618 1, 249, 942 129: 1, 238, 347 130: 1, 217, 003 1, 247, 784 131: 1, 211, 901 1, 212, 317 1, 212, 499 1, 212, 654 1, 214, 233 1, 214, 829 1, 215, 436 1, 216, 335 1, 217, 416 1, 219, 840 1, 220, 083 1, 220, 461 1, 221, 567 1, 224, 810 1, 227, 041 1, 227, 798 1, 228, 037 1, 228, 353 1, 229, 365 1, 230, 055 1, 235, 542 1, 236, 795 1, 236, 824 1, 236, 852 1, 237, 999 1, 238, 695 1, 238, 696 1, 239, 390 1, 240, 435 1, 240, 436 1, 244, 958 1, 245, 538 1, 246, 532 1, 250, 032 1, 250, 394 1, 251, 256 131.5: R. 14, 278 1, 211, 133 1, 211, 291 1, 211, 812 1, 211, 890 1, 216, 044 1, 219, 434 1, 219, 608 1, 220, 915 1, 220, 916 1, 222, 349 1, 222, 704 1, 223, 926 1, 224, 584 1, 224, 900 1, 227, 769 1, 233, 567 1, 233, 743 1, 236, 628 1, 237, 525 1, 238, 858 1, 241, 124 1, 241, 393 1, 241, 945 1, 243, 910 1, 244, 214 1, 245, 477 1, 247, 856 1, 249, 039 1, 249, 611 131.6: 1, 212, 523 1, 227, 280 1, 227, 281 1, 228, 454 1, 234, 357 1, 249, 084 134: 1, 251, 309 137: 1, 217, 571 138: 1, 226, 535 142: 1, 223, 732 1, 225, 318 1, 246, 148 1, 251, 273 145: 1, 223, 440 1, 251, 333 146: 1, 216, 390 148: R. 14, 251 1, 224, 978 1, 237, 036 150: 1, 223, 590 1, 224, 243 1, 230, 493
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INDEX OF PATENTS ISSUED FROM THE

Classification of patents—Continued.

154: 1, 219, 272	155: 1, 212, 331	1, 233, 847	1, 234, 244	1, 241, 144	1, 249, 290	156: 1, 214, 793	1, 221, 450	1, 228, 538	1, 231, 563	1, 240, 575	157: 1, 213, 982	1, 215, 067	1, 239, 189	1, 245, 846	26— 2: 1, 218, 131	1, 223, 018	1, 229, 415	5: 1, 235, 814	6: 1, 225, 596	1, 247, 200	7: 1, 218, 646	1, 235, 511	1, 241, 689	1, 247, 311	8: 1, 213, 527	1, 215, 419	1, 222, 776	1, 233, 059	1, 238, 742	9: 1, 222, 495	1, 240, 946	1, 248, 205	12: 1, 248, 727	16: 1, 236, 359	1, 246, 910	18: 1, 233, 257	1, 237, 607	19: 1, 217, 129	1, 230, 828	1, 240, 194	27— 2: 1, 242, 410	3: 1, 228, 112	1, 237, 055	1, 238, 219	7: 1, 212, 410	1, 219, 217	1, 219, 751	1, 220, 487	1, 226, 038	1, 230, 115	8: R. 14, 357	1, 211, 684	1, 224, 383	1, 234, 180	1, 234, 470	1, 244, 315	14: 1, 218, 323	1, 220, 580	18: 1, 215, 512	2: 1, 215, 584	1, 213, 601	1, 226, 223	1, 241, 550	1, 243, 142	5: 1, 228, 126	1, 233, 420	6: 1, 212, 668	1, 230, 008	1, 240, 506	1, 247, 463	7: 1, 212, 877	1, 214, 999	1, 230, 714	1, 249, 384	9: 1, 235, 942	14: 1, 222, 975	1, 239, 670	1, 244, 800	1, 246, 284	1, 250, 221	21: 1, 218, 009	1, 219, 958	1, 221, 374	1, 223, 636	1, 239, 560	1, 241, 943	1, 245, 067	1, 247, 462	25: 1, 224, 878	1, 249, 661	27: 1, 238, 390	30: 1, 249, 283	31: 1, 236, 218	33: 1, 241, 758	34: 1, 211, 670	1, 216, 147	1, 233, 592	1, 233, 593	29— 1: R. 14, 393	1, 243, 577	1, 249, 786	
1, 234, 653	1, 240, 293	1, 213, 896	1, 216, 548	1, 235, 026	1, 241, 360	1, 230, 032	1, 241, 094	1, 249, 961	1, 236, 062	1, 226, 198	1, 225, 044	1, 219, 198	1, 212, 049	1, 216, 388	1, 222, 912	1, 230, 577	1, 233, 698	1, 238, 973	1, 239, 525	1, 240, 850	1, 210, 900	1, 237, 762	1, 242, 775	1, 244, 449	1, 219, 813	1, 225, 742	1, 228, 598	1, 242, 583	1, 248, 317	1, 233, 665	1, 221, 844	1, 217, 909	1, 248, 388	1, 250, 234	1, 222, 954	1, 224, 714	38: 1, 216, 742	1, 223, 571	1, 250, 556	41: 1, 215, 000	42: 1, 244, 664	43: 1, 228, 657	46: 1, 211, 551	48: 1, 224, 889	1, 250, 490	49: 1, 227, 486	1, 232, 999	1, 236, 200	1, 236, 997	50: 1, 233, 666	1, 234, 019	53: 1, 226, 302	57: 1, 230, 974	1, 243, 989	58: 1, 231, 315	61: 1, 246, 863	62: 1, 227, 592	65: 1, 224, 955	1, 245, 653	1, 249, 275	67: 1, 219, 935	68: 1, 233, 430	1, 233, 836	69: 1, 215, 527	1, 220, 390	1, 227, 695	70: 1, 227, 304	1, 244, 744	73: 1, 211, 964	1, 216, 669	1, 232, 042	1, 245, 815	76: 1, 219, 041	1, 230, 779	1, 249, 741	1, 250, 646	80: 1, 220, 406	1, 231, 884	1, 233, 598	81: 1, 211, 277	1, 230, 584	1, 232, 014	83: 1, 220, 003	1, 246, 750	84: 1, 216, 657	1, 219, 985	1, 220, 911	1, 223, 046	1, 227, 626	1, 232, 293	1, 232, 527	1, 232, 528	1, 235, 315	1, 239, 420	1, 241, 675	1, 241, 676	1, 243, 539	1, 246, 876	1, 248, 443	1, 250, 306	85: 1, 218, 732	1, 222, 631
1, 227, 583	1, 229, 725	1, 230, 448	1, 232, 558	1, 234, 259	1, 240, 288	1, 247, 489	1, 251, 136	86: 1: 1, 231, 254	1, 236, 016	1, 241, 846	87: 1: 1, 212, 003	1, 214, 572	1, 218, 460	1, 220, 547	1, 222, 229	1, 223, 421	1, 227, 669	1, 234, 967	1, 235, 237	1, 236, 826	1, 241, 488	1, 242, 733	1, 243, 010	1, 245, 667	1, 246, 528	1, 246, 969	88: 1, 236, 849	88. 2: 1, 210, 823	1, 210, 824	1, 222, 507	1, 228, 943	1, 241, 430	1, 241, 819	1, 246, 415	1, 249, 167	89: 1, 214, 960	1, 216, 552	1, 219, 460	1, 220, 507	1, 224, 069	1, 224, 071	1, 225, 651	1, 236, 246	1, 237, 001	1, 220, 917	1, 235, 503	1, 214, 589	1, 221, 432	1, 246, 652	1, 214, 225	1, 215, 830	1, 216, 484	1, 235, 364	1, 237, 021	1, 245, 020	1, 223, 438	1, 245, 959	1, 248, 201	1, 249, 080	1, 220, 324	1, 222, 102	1, 242, 306	1, 214, 347	1, 219, 097	1, 222, 643	1, 229, 174	1, 234, 769	1, 242, 707	1, 242, 708	1, 250, 154	1, 214, 497	1, 214, 498	1, 223, 654	1, 226, 047	1, 239, 459	1, 240, 699	103: 1, 221, 613	1, 235, 604	1, 239, 047	1, 241, 040	1, 241, 291	105: 1, 227, 533	1, 236, 834	1, 237, 516	1, 240, 701	1, 243, 446	1, 244, 665	1, 245, 726	1, 249, 378	1, 250, 869	107: 1, 211, 758	1, 213, 167	108: 1, 233, 174	1, 241, 177	109: 1, 244, 648	111: 1, 241, 296	113: 1, 235, 941	1, 235, 957	115: 1, 225, 089			
1, 250, 864	1, 227, 632	1, 250, 532	1, 231, 322	1, 233, 921	1, 247, 023	1, 211, 633	1, 237, 353	1, 245, 251	1, 249, 439	1, 211, 622	1, 238, 546	1, 239, 873	1, 249, 300	1, 219, 083	1, 236, 453	1, 219, 740	1, 232, 508	1, 249, 766	1, 214, 754	1, 214, 773	1, 222, 320	1, 240, 729	1, 224, 780	1, 210, 692	1, 211, 458	1, 212, 337	1, 214, 549	1, 215, 773	1, 216, 733	1, 217, 537	1, 219, 135	1, 219, 270	1, 220, 748	1, 223, 930	1, 225, 316	1, 225, 915	1, 226, 470	1, 226, 689	1, 228, 352	1, 232, 765	1, 233, 285	1, 233, 726	1, 233, 764	1, 234, 395	1, 234, 878	1, 237, 847	1, 238, 911	1, 240, 530	1, 243, 005	1, 246, 308	1, 246, 382	1, 247, 235	1, 249, 825	1, 249, 948	1, 250, 411	1, 234, 834	1, 235, 040	1, 236, 262	1, 229, 693	1, 236, 470	1, 245, 270	156: 1: 1, 241, 835	1, 241, 836	157: 1, 213, 165	1, 222, 679	1, 223, 059	1, 246, 456	1, 231, 755	166: 1, 229, 219	167: 1, 216, 430	168: 1, 227, 962	1, 242, 127	169: 1, 220, 596	174: 1, 226, 638	181: 1, 215, 727	1, 227, 569	182: 1, 228, 194	1, 248, 506	188: 1, 223, 322	189: 1, 213, 684	1, 232, 062	1, 250, 832	1, 211, 273	1, 214, 430	1, 221, 292	1, 223, 200	1, 227, 216	1, 227, 572	1, 233, 202	1, 238, 061	1, 244, 917	1, 245, 833	1, 246, 734	3: 1, 214, 682	1, 214, 823	1, 215, 019	1, 216, 024	1, 218, 644	1, 218, 648	1, 219, 971	1, 221, 745	1, 223, 485
1, 226, 628	1, 227, 737	1, 228, 121	1, 228, 900	1, 231, 746	1, 232, 948	1, 235, 230	1, 242, 329	1, 244, 972	1, 249, 586	1, 220, 479	1, 227, 679	1, 230, 766	1, 242, 965	8: 1, 224, 436	9: 1, 217, 154	1, 219, 116	1, 222, 366	1, 227, 234	1, 229, 419	1, 229, 696	1, 229, 788	1, 231, 913	1, 239, 626	1, 210, 770	1, 213, 138	1, 228, 409	1, 234, 345	1, 234, 846	1, 243, 852	11: 1, 213, 619	1, 237, 581	1, 246, 685	1, 247, 878	1, 212, 956	1, 214, 609	1, 216, 381	1, 216, 944	1, 217, 288	1, 217, 570	1, 219, 625	1, 220, 837	1, 221, 004	1, 221, 065	1, 224, 444	1, 224, 462	1, 225, 409	1, 226, 322	1, 226, 614	1, 227, 548	1, 227, 641	1, 229, 824	1, 230, 833	1, 231, 215	1, 232, 519	1, 233, 105	1, 234, 834	1, 235, 040	1, 236, 262	1, 236, 926	1, 238, 069	1, 238, 751	1, 239, 419	1, 239, 577	1, 239, 644	1, 241, 798	1, 241, 921	1, 245, 646	1, 246, 219	1, 247, 266	1, 247, 267	1, 247, 268	1, 247, 581	1, 247, 828	1, 248, 525	1, 249, 021	1, 250, 398	1, 250, 775	13: 1, 214, 635	1, 223, 640	1, 227, 333	1, 238, 400	1, 243, 276	1, 243, 540	1, 251, 101	14: 1, 229, 504	20: 1, 236, 233	22: 1, 238, 149	1, 238, 150	23: 1, 212, 589	1, 219, 626	1, 231, 270	24: 1, 210, 768	1, 224, 194	1, 229, 068	1, 232, 291	1, 242, 645	1, 213, 133	1, 215, 908	1, 212, 386	1, 241, 434	1, 244, 175	14: 1, 217, 504
1, 218, 147	1, 221, 583	1, 242, 378	21: 1, 248, 696	1, 249, 801	25: 1, 211, 508	1, 217, 460	1, 231, 731	26: 1, 221, 341	65: 1, 216, 624	1, 219, 738	1, 221, 224	1, 224, 394	1, 225, 602	1, 235, 355	1, 236, 229	1, 240, 387	1, 249, 513	66: 1, 210, 781	1, 210, 782	1, 212, 483	68: 1, 210, 551	1, 210, 552	1, 233, 360	70: 1, 216, 726	73: 1, 210, 818	1, 236, 431	77: 1, 223, 880	1, 242, 876	78: 1, 222, 279	1, 224, 212	79: 1, 242, 718	80: 1, 247, 924	82: 1, 220, 710	84: 1, 232, 134	90: 1, 213, 342	97: 1, 228, 894	98: 1, 210, 468	1, 217, 857	1, 218, 446	1, 218, 447	1, 238, 831	1, 239, 407	1, 240, 765	1, 245, 106	99: 1, 218, 529	1, 226, 842	1, 228, 314	1, 233, 668	1, 236, 952	1, 249, 345	100: 1, 218, 125	1, 221, 483	1, 222, 826	101: 1, 223, 334	1, 236, 413	102: 1, 213, 814	1, 220, 172	1, 221, 654	1, 231, 166	1, 231, 748	1, 236, 036	1, 238, 476	1, 239, 923	1, 242, 212	1, 246, 292	1, 249, 134	1: 1, 211, 254	1, 218, 178	1, 222, 203	1, 228, 667	1, 232, 206	1, 232, 355	4: 1, 211, 944	1, 227, 602	1, 233, 857	1, 242, 989	1, 243, 386	5: 1, 213, 289	1, 228, 124	1, 247, 406	1, 249, 134	1, 234, 958	1, 248, 690	1, 216, 683	9: 1, 210, 460	1, 211, 817	1, 212, 885	1, 212, 935	1, 216, 107	1, 217, 866	1, 218, 078	1, 218, 278	1, 218, 989	1, 219, 019	1, 220, 239	1, 221, 420						

Classification of patents—Continued.

<p>32— 9: 1,223,450 1,224,195 1,230,852 1,230,853 1,232,203 1,233,152 1,234,139 1,238,210 1,238,397 1,240,258 1,241,854 1,243,335 1,245,843 1,246,060 1,246,061 1,247,953 1,248,242 1,248,477 1,249,891 10: 1,214,197 1,216,514 1,216,596 1,220,933 1,227,207 1,227,687 1,229,024 1,230,561 1,232,280 1,233,770 1,244,792 1,245,153 1,245,592 11: 1,216,375 12: 1,211,494 1,212,532 1,218,033 1,227,073 1,228,620 1,232,698 1,235,004 1,243,392 16: 1,229,595 19: 1,215,442 1,217,374 1,240,731 21: 1,224,395 27: 1,246,693 28: 1,250,965 30: 1,213,587 1,228,488 33: 1,222,267 1: 1,211,793 1,214,785 1,223,502 1,225,996 1,226,068 1,236,272 1,239,155 1,245,304 1,245,355 1,248,698 2: 1,218,565 1,224,592 1,248,035 1,248,510 3: 1,221,557 1,229,265 4: 1,226,057 5: 1,239,475 1,239,798 7: 1,215,193 1,237,958 8: 1,225,930 9: 1,213,313 1,218,551 1,219,343 1,224,683 1,229,798 1,235,175 1,236,084 1,244,355 1,247,476 1,248,959 1,249,807 10: 1,229,958 1,237,664 11: 1,214,296 1,241,121 13: 1,218,435 14: 1,219,234 15: 1,221,302 1,222,012 20: 1,218,964 1,227,978 22: 1,219,311 23: 1,215,852 1,219,782 24: 1,223,539 1,230,156 1,241,721 1,241,722 1,241,723 25: 1,229,111</p>	<p>33— 25: 1,235,668 27: 1,241,986 1,244,272 1,248,148 28: 1,230,551 1,248,145 30: 1,224,591 1,230,994 1,235,108 31: 1,226,912 32: 1,227,862 1,238,833 33: 1,216,010 39: 1,220,350 1,220,351 1,220,352 1,242,823 1,246,405 41: 1,241,719 42: 1,234,079 1,238,832 44: 1,220,597 45: 1,217,370 1,248,256 46: 1,210,997 1,217,169 1,246,960 47: 1,216,783 1,222,620 1,223,132 1,225,918 1,226,952 1,237,908 1,238,687 1,240,300 48: 1,211,399 1,211,401 1,211,401 52: 1,225,592 53: 1,242,068 55: 1,235,172 1,238,379 56: 1,247,559 1,250,972 57: 1,220,637 58: 1,221,298 1,229,652 1,237,955 1,248,594 62: 1,217,937 63: 1,215,317 1,235,909 64: 1,219,212 67: 1,213,534 1,240,676 69: 1,214,150 1,224,725 70: 1,224,536 1,231,162 1,239,083 71: 1,215,647 1,229,233 72: 1,240,525 73: 1,234,520 74: 1,220,358 1,224,938 1,227,631 1,246,285 75: 1,220,098 1,222,525 1,225,514 1,226,141 1,228,697 1,231,115 1,243,343 1,245,311 1,247,866 76: 1,232,290 1,233,382 1,237,385 80: 1,242,028 1,247,867 81: 1,213,664 82: 1,221,297 1,225,819 1,229,356 1,236,631 84: 1,235,279 85: 1,234,282 1,241,611 87: 1,219,473 88: 1,222,504 1,245,340 89: 1,221,777 1,225,132 90: 1,222,959 91: 1,215,443 1,236,486 1,243,678 92: 1,212,064 1,237,790 93: 1,217,286 1,237,721</p>	<p>33— 93: 1,241,282 1,242,467 94: 1,213,578 1,246,768 1,249,496 95: 1,242,722 1,250,586 97: 1,239,502 100: 1,230,901 102: 1,223,974 1,229,069 103: 1,243,786 104: 1,221,786 1,225,464 105: 1,216,075 1,237,328 106: 1,212,549 1,249,339 107: 1,213,781 1,213,813 1,215,136 1,223,644 1,249,049 1,249,132 108: 1,238,536 1,249,599 111: 1,215,441 1,215,663 1,219,836 1,223,132 1,235,801 1,248,897 112: 1,226,855 1,227,854 1,232,613 1,243,568 113: 1,236,817 1,239,742 1,241,976 114: 1,213,063 1,215,848 116: 1,216,105 1,240,035 117: 1,245,539 120: 1,226,172 1,228,173 1,227,206 1,239,534 124: 1,230,507 125: 1,228,991 127: 1,214,789 1,226,466 129: 1,225,223 1,228,282 130: 1,218,886 1,238,961 1,250,845 131: 1,238,798 1,242,192 132: 1,218,235 1,222,957 1,228,022 133: 1,250,843 1,250,844 134: 1,223,955 1,225,128 1,237,603 1,246,285 1,251,152 135: 1,214,209 1,227,322 1,237,748 137: 1,214,409 1,240,498 1,248,435 138: 1,216,418 1,233,034 141: 1,234,000 143: 1,213,134 1,220,664 1,222,168 1,231,934 1,238,045 1,248,174 1,249,804 144: 1,211,180 145: 1,220,027 1,224,165 1,242,210 146: 1,212,075 1,239,192 147: 1,210,557 1,223,012 1,234,656 1,243,545 148: 1,219,430 1,221,668 1,235,715 1,237,746 1,238,714 1,245,148 1,248,406 149: 1,225,475</p>	<p>33— 149: 1,227,365 1,250,383 150: 1,238,440 152: 1,237,132 153: 1,250,259 154: 1,219,149 1,226,337 1,234,234 1,237,992 155: 1,244,390 158: 1,211,568 1,238,535 1,240,853 1,245,213 159: 1,219,141 162: 1,228,791 164: 1,216,680 1,223,325 1,226,396 1,226,574 1,233,556 1,241,160 1,241,161 165: 1,230,249 166: 1,235,478 167: 1,234,342 1,244,263 168: 1,217,312 1,225,314 1,225,815 169: 1,216,879 1,225,835 1,233,868 1,235,785 1,245,130 1,248,340 1,251,437 170: 1,217,487 1,230,627 172: 1,217,850 1,218,243 1,232,701 1,234,702 1,235,551 1,236,748 1,238,578 1,239,532 1,239,534 1,241,469 1,245,559 1,250,999 174: 1,216,133 1,219,566 1,227,492 1,231,185 1,245,704 176: 1,234,527 177: 1,216,066 178: 1,210,963 1,213,607 1,217,313 1,229,930 179: 1,216,672 1,233,131 1,238,841 1,240,323 181: 1,249,158 184: 5: 1,228,973 1,232,675 185: 1,224,836 1,225,552 188: 1,210,469 189: 1,233,458 190: 1,211,438 1,225,615 191: 1,219,744 1,225,191 1,225,265 1,230,015 1,230,418 192: 1,246,408 193: 1,222,404 1,233,271 194: 1,236,107 1,244,617 197: 1,223,531 1,224,302 1,243,456 198: 1,236,484 200: 1,219,396 201: 1,250,432 202: 1,222,587 1,240,074 203: 1,218,119 1,240,528 204: 1,221,477 1,226,385 1,242,065 206: 1,251,349 207: 1,215,711 1,221,738 1,229,916 1,234,594</p>	<p>33— 207: 1,236,743 1,241,341 208: 1,235,956 209: 1,216,129 211: 1,212,735 1,213,020 212: 1,233,756 213: 1,222,831 214: 1,211,882 1,215,035 1,221,644 1,239,590 1,241,399 1,246,609 215: 1,219,341 1,230,258 1,239,336 1,240,849 1,242,740 1,250,340 216: 1,212,194 217: 1,230,074 220: 1,220,407 1,229,041 1,232,394 221: 1,219,095 1,227,360 1,238,991 223: 1,216,953 225: 1,215,808 1,241,132 1,210,548 1,215,222 3: 1,212,643 1,215,951 1,228,225 1,228,989 1,232,839 4: 1,215,236 1,215,258 1,227,092 1,234,410 1,240,468 1,248,589 1,250,618 5: 1,212,416 1,212,859 1,213,999 1,221,412 1,224,620 1,225,212 1,229,524 1,231,723 1,240,323 1,241,299 1,243,603 1,247,798 6: 1,216,555 1,229,978 1,233,879 1,238,589 1,240,386 11: 1,247,045 12: 1,213,549 1,214,234 1,216,504 1,221,129 1,222,560 1,227,674 1,231,594 1,235,027 1,237,972 1,245,547 1,246,515 13: 1,240,108 16: 1,211,994 1,227,106 17: 1,213,575 1,214,110 1,244,617 18: 1,221,535 1,221,949 1,222,746 1,231,369 1,236,178 1,249,073 19: 1,211,325 1,211,535 1,213,957 1,214,239 1,217,439 1,221,776 1,224,560 1,229,295 1,230,050 1,230,282 1,232,178 1,232,323 1,238,517</p>	<p>34— 19: 1,242,368 1,243,212 1,244,429 1,246,812 1,248,438 20: 1,216,359 1,248,595 21: 1,218,156 1,218,978 22: 1,233,922 1,240,984 23: 1,216,880 1,220,131 1,237,931 24: 1,216,554 1,218,261 1,218,616 1,219,155 1,219,406 1,232,077 1,232,496 1,250,934 25: 1,249,771 26: 1,211,234 1,211,439 1,212,583 1,215,427 1,215,760 1,217,454 1,220,650 1,223,613 1,224,306 1,225,244 1,228,556 1,231,544 1,236,105 1,236,318 1,236,473 1,240,307 1,240,365 1,241,465 1,246,940 1,248,674 1,248,846 28: 1,217,990 30: 1,212,275 34: 1,219,816 1,224,132 1,232,336 1,239,216 36: 1,222,841 38: 1,225,403 39: 1,216,442 1,219,016 1,220,815 1,225,211 1,225,634 1,228,240 1,228,283 1,229,397 1,237,874 1,251,317 40: 1,247,495 1,249,772 41: 1,233,974 43: 1,213,962 44: 1,237,110 46: 1,215,849 1,221,383 1,231,893 47: 1,228,790 48: 1,212,014 1,213,968 1,214,712 1,228,430 1,232,141 1,235,043 1,238,576 1,242,387 1,245,066 1,241,009 2: 1,211,625 1,218,931 1,218,993 1,224,748 1,228,356 1,228,391 1,228,889 1,233,544 1,240,031 1,243,957 1,244,000 1,248,238 1,250,796 3: 1,223,128 5: 1,239,231 6: 1,213,064 1,225,305 1,228,197 8: 1,216,405 9: 1,224,742</p>
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Classification of patents—Continued.

35—	9: 1,240,556 1,245,475 1,248,286 10: 1,238,569 1,244,877 12: 1,210,608 1,212,737 1,218,979 1,220,428 1,227,489 1,229,142 1,229,638 1,234,204 1,234,323 1,234,743 1,238,492 1,240,629 1,246,999 13: 1,210,656 1,233,035 15: 1,227,205 1,237,636 16: 1,215,087 1,244,994 17: 1,214,832 1,246,076 36— 1: 1,213,030 1,216,579 1,229,913 1,229,940 1,243,993 1,245,802 1,248,147 1,250,312 1,250,852 2: 1,211,411 1,216,366 1,219,507 1,220,806 1,222,737 1,230,652 1,236,328 1,240,082 1,241,217 1,242,150 1,247,370 1,248,239 3: 1,211,542 1,213,941 1,216,795 1,223,042 1,225,455 1,227,981 1,247,467 1,248,873 1,211,962 1,228,884 1,249,639 6: 1,227,750 9: 1,249,817 12: 1,232,591 1,246,942 1,247,313 13: 1,234,445 14: 1,212,834 1,215,450 1,226,318 15: 1,228,720 1,247,132 1,216,358 1,219,585 16: 1,230,216 1,243,421 17: 1,230,478 1,251,354 18: 1,241,579 1,249,923 22: 1,211,168 1,216,073 1,217,153 1,217,708 1,222,309 1,227,483 1,232,691 25: 1,214,666 1,236,244 1,242,233 26: 1,231,263 27: 1,239,575 28: 1,221,632 1,241,142 1,244,197 1,249,702 30: 1,215,751 1,217,215 1,239,361 31: 1,212,985 32: 1,214,889 1,232,509 1,239,628 1,242,977 1,249,292 34: 1,220,660	34: 1,227,202 1,229,585 1,241,643 1,249,667 35: 1,214,065 1,219,991 1,222,639 1,226,247 1,227,493 1,227,722 1,229,581 1,231,296 1,231,777 1,232,518 1,232,790 1,236,174 1,242,213 36: 1,212,796 1,219,551 1,231,767 1,233,725 1,234,508 1,235,013 1,237,893 37: 1,211,806 1,240,153 1,242,363 38: 1,218,391 1,218,392 39: 1,233,504 40: 1,250,828 41: 1,246,505 42: 1,215,080 1,230,775 1,232,677 1,235,324 1,236,350 43: 1,248,108 44: 1,219,890 1,236,427 1,236,528 1,249,000 45: 1,213,036 1,248,416 46: 1,217,463 47: 1,215,020 50: 1,213,533 1,219,584 1,222,678 1,223,694 1,223,804 1,250,940 51: 1,211,127 1,247,435 54: 1,211,544 1,215,198 55: 1,223,297 56: 1,215,767 58.5: 1,217,167 1,235,124 1,239,434 1,246,357 58.6: 1,251,007 59: 1,211,619 1,217,881 1,224,029 1,227,278 1,231,299 1,243,209 1,246,870 1,246,929 60: 1,210,543 1,243,436 61: 1,215,539 1,232,896 62: 1,210,521 1,218,756 1,236,572 1,237,451 63: 1,216,896 1,224,217 1,229,406 1,232,114 64: 1,219,688 1,227,431 1,241,821 1,242,056 65: 1,237,829 66: 1,230,118 67: 1,243,819 68: 1,213,123 1,219,999 1,246,630 70: 1,237,663 1,242,622 71: R. 14,264 1,210,869 1,211,255 1,213,965 1,215,090 1,215,891	36— 71: 1,216,849 1,218,911 1,219,165 1,219,257 1,220,724 1,221,833 1,222,808 1,223,368 1,226,327 1,229,300 1,232,153 1,232,455 1,236,424 1,236,714 1,236,924 1,238,179 1,238,493 1,239,411 1,240,275 1,241,832 1,243,692 1,244,027 1,246,789 1,251,427 72: 1,224,655 1,245,763 73: 1,210,587 1,217,703 1,223,994 1,232,010 1,240,680 1,245,647 1,245,847 75: 1,227,392 1,236,582 76: 1,219,331 1,220,061 1,236,820 1,240,249 1,242,317 1,245,877 1,249,318 77: 1,215,876 1,221,985 1,233,754 1,241,940 1,245,534 78: 1,241,088 37— 5: 1,210,517 1,210,735 1,212,008 1,212,351 1,214,121 1,215,011 1,217,475 1,218,075 1,219,375 1,220,898 1,221,501 1,223,625 1,223,831 1,224,438 1,225,011 1,225,792 1,226,637 1,226,801 1,227,926 1,228,811 1,228,979 1,229,529 1,233,008 1,233,521 1,234,645 1,234,891 1,236,518 1,237,783 1,239,058 1,239,366 1,241,102 1,243,329 1,245,107 1,246,649 1,247,135 1,247,999 1,249,187 1,249,264 6: 1,219,505 1,224,349 7: 1,212,134 1,213,169 1,213,672 1,215,044 1,215,045 1,215,587 1,220,379 1,230,622 1,230,723 1,233,840 1,244,505 9: 1,229,772 1,238,260 1,250,276	37— 11: 1,228,530 1,232,696 1,236,919 1,237,578 13: 1,219,869 14: 1,229,600 1,236,418 16: 1,210,760 1,213,666 1,215,089 1,216,290 1,217,500 1,218,841 1,220,186 1,220,812 1,222,205 1,228,654 1,234,114 1,234,115 1,234,304 1,235,704 1,236,112 1,237,878 1,237,879 1,239,554 1,240,222 1,242,715 1,246,644 1,247,191 1,249,035 1,249,805 1,250,868 17: 1,215,791 1,234,672 1,243,926 1,244,006 1,246,524 1,248,985 18: 1,233,582 19: 1,219,371 1,228,554 1,231,275 1,236,691 1,238,801 1,242,320 1,246,473 1,248,262 1,248,714 1,249,875 1,250,853 22: 1,232,641 1,232,748 23: 1,236,904 1,237,310 24: 1,210,453 1,212,906 1,213,640 1,214,410 1,217,752 1,217,954 1,224,323 1,228,959 1,231,121 1,234,716 1,235,456 1,237,260 1,237,845 1,239,474 1,239,897 1,245,271 1,246,527 25: 1,214,397 1,217,575 1,229,116 1,234,449 1,239,650 1,244,319 1,245,590 27: 1,210,412 29: 1,216,779 1,222,754 1,225,327 1,238,509 1,239,727 1,241,661 1,245,656 1,245,675 1,246,673 30: 1,214,997 1,218,343 1,218,826 1,218,921 1,221,041 1,223,309 1,225,185 1,225,186 1,225,215 1,228,526 1,231,779 1,231,852 1,232,542 1,234,277 1,248,605 1,248,904	37— 30: 1,249,298 32: 1,225,251 1,226,125 33: 1,213,767 1,222,428 1,233,839 1,235,086 1,237,506 1,246,074 1,249,737 34: 1,215,792 35: 1,242,433 39: 1,234,147 1,243,293 1,243,866 1,244,290 40: 1,216,569 1,233,574 1,235,617 1,241,383 1,232,314 1,237,186 1,240,714 1,241,779 1,247,416 45: 1,221,021 1,226,886 47: 1,217,108 1,246,990 48: 1,241,070 49: 1,211,167 1,213,869 1,224,728 1,241,336 1,241,686 1,247,719 1,248,985 50: 1,212,252 1,226,506 1,226,528 1,230,302 1,236,311 1,243,672 51: 1,221,860 1,225,784 1,233,301 1,234,185 1,243,377 1,246,517 53: 1,211,230 1,218,727 54: 1,222,834 1,234,734 1,244,117 1,245,118 38— 7: 1,225,671 8: 1,211,821 1,220,663 1,243,133 12: 1,215,246 1,217,377 1,242,400 1,246,708 154: 1,237,114 1,231,763 39— 1: 1,215,906 1,247,405 5: 1,241,349 7: 1,243,056 9: 1,221,274 11: 1,224,015 12: 1,213,403 14: 1,213,623 1,224,087 1,233,225 1,237,835 1,237,881 18: 1,219,822 1,231,704 1,247,817 19: 1,217,651 22: 1,232,340 1,249,928 31: 1,232,630 32: 1,214,594 33: 1,214,100 1,240,096 34: 1,216,740 1,228,343 36: 1,212,106 1,238,844 38: 1,231,252 1,237,797 39: 1,237,766 41: 1,222,223 1,243,931 43: 1,214,001 1,245,163 1,247,921 1,249,051 44: 1,210,797	39— 44: 1,235,345 52: 1,246,567 56: 1,210,447 1,211,090 1,226,761 1,228,707 1,235,381 1,248,165 60: 1,217,353 1,224,353 61: 1,225,197 1,238,624 1,241,538 62: 1,212,439 64: 1,241,972 70: 1,216,402 73: 1,214,913 1,219,750 74: 1,212,988 1,241,364 75: 1,217,770 1,219,668 1,220,636 1,232,440 80: 1,215,728 1,228,708 1,230,866 1,232,609 1,245,016 81: 1,218,077 83: 1,221,237 84: 1,218,715 86: 1,251,213 87: 1,214,623 1,224,325 1,250,648 93: 1,219,825 40— 1: 1,222,009 1,234,874 1,236,268 1,247,833 1,251,098 1.5: 1,234,559 1,235,580 1.6: 1,220,233 2: 1,214,957 1,216,269 1,216,964 1,220,402 1,224,038 1,225,253 1,229,877 1,234,974 1,236,436 1,245,615 1,246,933 3: 1,232,976 1,249,515 4: 1,221,572 1,226,897 1,238,551 1,245,736 6: 1,234,566 7: 1,231,988 1,239,094 8: 1,212,408 9: 1,237,662 10: 1,211,648 1,219,706 1,219,909 1,220,468 1,222,089 1,222,377 1,224,432 1,225,324 1,242,007 1,245,172 1,246,369 11: 1,214,006 1,224,031 1,224,317 1,230,653 1,238,552 1,241,564 1,248,163 13: 1,221,465 14: 1,211,681 1,227,711 1,245,963 15: 1,213,007 1,221,464 1,236,907 16: 1,218,462 1,222,575 1,224,965 1,225,661 1,239,838 1,248,043 17: 1,212,913 1,214,222 19: 1,210,927 20: 1,217,263 1,217,944
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40— 20: 1,235,631 1,241,302 1,245,171 1,246,653 1,250,151 21: 1,211,630 1,215,051 1,227,122 1,237,700 22: 1,248,047 23: 1,216,468 1,220,907 1,230,412 1,233,404 1,237,769 25: 1,221,903 1,224,183 1,226,281 1,228,817 1,235,618 1,239,545 1,241,290 1,244,832 1,249,325 1,250,662 27: 1,222,595 1,226,050 1,239,844 1,246,499 28: 1,223,074 1,244,065 1,210,955 31: 1,214,962 32: 1,223,887 33: 1,238,960 1,240,090 35: 1,214,732 1,239,662 36: 1,213,272 1,224,261 1,224,512 1,233,219 1,245,365 1,251,244 39: 1,227,090 1,232,895 1,237,678 42: 1,236,565 1,236,653 1,244,743 1,246,240 1,250,811 48: 1,227,409 52: 1,213,456 1,218,864 1,219,693 1,222,658 1,223,169 1,227,186 1,227,226 1,227,387 1,231,736 1,233,189 1,233,646 1,234,329 1,236,152 1,238,638 1,239,832 1,240,380 1,240,647 1,241,373 1,241,421 1,242,690 1,245,864 53: 1,220,509 1,240,637 1,241,873 1,246,979 1,247,981 1,248,719 54: 1,210,554 1,235,036 55: 1,219,933 57: 1,215,070 1,251,419 58: 1,213,406 59: 1,236,975 60: 1,234,005 61: 1,216,207 1,233,833 1,242,449 1,249,798 62: 1,235,737 63: 1,210,670 1,244,061 1,246,407 1,249,024 65: R. 14,285 1,211,497 1,213,338 1,215,710 1,227,661 1,235,335	40— 65: 1,239,324 1,239,342 1,242,896 1,248,712 1,249,980 1,250,671 66: 1,212,876 1,216,899 67: 1,211,215 1,226,683 1,243,320 1,249,952 1,250,265 1,251,322 68: 1,214,819 1,230,234 1,232,375 1,235,024 1,238,959 1,245,019 1,250,543 70: 1,216,876 1,222,000 1,232,120 1,235,826 1,243,510 71: 1,211,540 72: 1,233,931 1,234,415 73: 1,242,639 76: 1,221,758 77: 1,224,022 1,224,695 1,232,023 1,234,546 1,237,498 1,237,502 1,238,419 1,239,093 1,239,511 1,240,024 1,241,771 1,245,731 1,248,177 1,249,539 78: 1,214,013 1,230,313 1,235,168 79: 1,218,277 1,224,232 83: 1,233,315 1,233,316 1,233,317 1,233,318 1,251,145 85: 1,231,455 86: 1,216,393 1,218,699 1,237,940 1,246,860 1,247,227 87: 1,217,737 1,223,270 1,232,424 1,234,011 1,234,815 1,241,422 88: 1,225,214 89: 1,223,183 91: 1,222,280 1,247,589 93: 1,219,619 94: 1,233,201 1,248,779 1,248,780 96: 1,229,944 1,232,236 1,244,282 97: 1,237,844 99: 1,222,015 1,245,384 102: 1,214,477 1,232,189 1,244,622 1,249,669 104: 1,217,840 107: 1,219,987 1,238,037 1,251,195 108: 1,211,356 1,230,761 1,233,111 109: 1,222,655 1,236,108 1,250,882 112: 1,237,271 113: 1,236,973 1,243,269 1,243,965 115: 1,214,935 117: 1,235,442 119: 1,230,037 1,235,016 1,236,974	40— 120: 1,211,574 1,214,605 1,250,479 121: 1,222,612 122: 1,219,173 123: 1,217,422 1,239,220 124: 1,225,454 1,232,037 1,235,225 1,238,988 125: 1,212,898 1,214,119 1,214,534 1,219,596 1,227,989 1,242,429 1,244,306 1,245,461 1,246,095 1,247,886 126: 1,212,741 1,229,654 1,239,040 128: 1,222,417 129: 1,224,446 1,227,746 1,238,749 130: 1,215,600 1,220,678 1,230,403 1,236,862 1,238,832 1,244,959 1,246,500 1,246,847 1,247,874 131: 1,214,621 1,219,218 1,223,700 1,238,763 1,238,816 1,240,347 1,247,408 132: 1,211,115 1,212,069 1,213,713 1,213,784 1,214,224 1,215,203 1,217,223 1,218,320 1,219,236 1,224,253 1,226,357 1,229,483 1,230,348 1,233,670 1,238,750 1,238,936 1,239,154 1,240,379 1,240,470 1,241,904 1,244,990 1,246,375 1,250,162 133: 1,224,037 1,224,056 1,224,480 1,226,550 1,229,208 1,234,787 1,241,292 134: 1,221,277 135: 1,223,803 1,227,074 1,229,527 136: 1,216,012 139: 1,238,739 140: 1,217,192 1,243,893 1,246,077 141: 1,230,644 1,249,880 142: 1,219,284 1,220,588 1,229,716 1,239,983 1,246,600 145: 1,220,716 1,227,339 1,238,976 145.1: 1,210,610 1,223,802 1,242,868 1,248,131 1,251,130 145.2: 1,226,019 145.3: 1,222,530 145.6: 1,242,309 145.7: 1,212,422	40—145.8: 1,224,513 146: 1,224,582 1,232,095 1,242,070 149: 1,213,015 1,236,253 150: 1,217,402 1,236,131 1,236,708 1,247,275 151: 1,237,560 152: 1,215,036 1,225,185 1,226,077 1,250,074 154: 1,223,409 155: 1,218,761 156: 1,220,418 1,222,468 1,246,095 158: 1,249,328 159: 1,220,354 1,249,713 41— 1: 1,223,162 1,247,044 1,250,761 3.5: 1,223,773 4: 1,212,188 1,221,510 1,241,866 1,251,113 5: 1,249,391 7: 1,239,149 1,242,454 1,243,552 1,243,553 9: 1,233,524 1,243,630 10: 1,216,580 1,217,675 1,230,010 1,238,110 11: 1,247,361 1,248,916 14: 1,224,552 15: 1,240,392 16: 1,246,296 R. 14,410 17: 1,235,037 18: 1,215,675 1,227,123 19: 1,212,934 1,233,265 20: 1,232,021 21: 1,214,402 1,232,228 1,241,767 22: 1,212,392 1,219,853 24: 1,217,242 25: 1,237,596 25.5: 1,222,138 1,233,799 26: 1,215,764 1,229,315 1,237,277 1,240,143 1,248,111 29: 1,225,504 1,232,135 30: 1,237,352 31: 1,210,637 32: 1,225,179 33: 1,224,442 34: 1,220,097 1,243,164 35: 1,215,170 36: 1,211,455 1,221,118 38: 1,217,660 1,226,957 1,250,051 38.5: 1,220,850 1,238,906 38.6: 1,215,098 1,231,554 1,243,780 1,244,188 1,244,189 39: 1,240,398 41.5: 1,215,493 1,245,119 1,245,120 43: 1,225,477 1,243,431 46: 1,220,245 1,224,328 1,242,523 1,219,896 3: 1,217,974 1,224,902 1,226,478 1,227,608	42— 3: 1,230,930 1,233,096 1,249,622 4: 1,228,827 7: 1,245,499 1,247,528 10: 1,223,411 16: 1,225,640 1,239,124 17: 1,220,693 1,233,603 18: 1,214,923 1,218,263 1,226,566 1,230,012 1,246,984 19: 1,216,785 1,242,191 25: 1,212,773 41: 1,230,973 42: 1,219,964 49: 1,230,707 50: 1,227,439 1,244,794 53: 1,214,834 1,221,616 1,231,058 1,238,527 1,238,820 1,239,065 1,240,478 1,241,552 1,242,265 1,248,932 54: 1,216,258 1,248,536 56: 1,223,655 1,238,733 57: 1,225,821 1,232,469 1,250,425 59: 1,236,608 65: 1,216,001 69: 1,213,204 1,215,181 1,218,349 1,240,068 1,243,120 1,245,889 70: 1,210,459 1,212,012 1,222,755 1,227,531 1,234,961 1,239,920 1,249,175 1,249,576 71: 1,228,506 73: 1,222,778 1,229,721 1,248,029 74: 1,213,951 1,222,190 1,222,291 1,246,117 75: 1,239,889 76: 1,234,783 77: 1,217,162 1,217,347 1,239,287 78: 1,230,712 79: 1,227,987 84: 1,239,344 86: 1,237,330 1,246,258 1,249,476 88: 1,241,922 89: 1,228,505 1,231,106 90: 1,211,779 1,220,355 1,241,455 1,244,968 1,246,051 91: 1,213,383 1,222,028 1,229,991 1,251,247 92: 1,237,056 93: 1,220,666 94: 1,211,130 1,233,638 1,241,149 1: 1,213,024 1,213,087 1,214,311 1,214,444 1,214,446 1,216,006 1,216,917 1,218,188 1,218,619 1,218,953	43— 1: 1,220,213 1,220,286 1,222,706 1,223,415 1,224,555 1,225,971 1,226,505 1,228,313 1,228,701 1,228,891 1,232,679 1,233,696 1,235,473 1,236,629 1,237,081 1,237,168 1,237,346 1,238,188 1,239,103 1,239,684 1,239,703 1,239,799 1,240,736 1,241,012 1,241,727 1,242,546 1,243,302 1,243,888 1,244,517 1,244,834 1,244,895 1,245,258 1,245,706 1,249,071 1,249,988 1,250,516 4: 1,216,220 1,230,335 1,232,390 1,240,043 1,241,707 1,243,768 1,243,881 5: 1,229,236 1,245,685 6: 1,227,035 1,234,291 7: 1,215,073 1,215,938 1,222,774 1,226,891 1,227,325 1,230,467 1,232,545 1,236,463 1,239,487 1,246,150 1,246,251 1,249,342 1,250,053 1,250,473 9: 1,214,125 1,227,300 1,240,787 11: 1,223,066 1,250,288 12: 1,233,074 14: 1,226,443 1,229,994 1,237,123 1,241,437 16: 1,226,162 1,231,150 1,236,659 1,251,221 17: 1,232,167 19: 1,213,248 1,215,048 1,216,918 1,217,381 1,218,514 1,220,743 1,222,406 1,226,641 1,228,802 1,240,248 1,242,462 1,243,008 1,243,088 1,249,248 1,250,605 1,251,367 20: 1,213,459 1,223,851 1,229,107 1,230,585 1,246,637 21: 1,211,134 1,215,279 1,217,073 1,218,406 1,223,271 1,226,517
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43— 21: 1,230,054 1,231,390 1,232,403 1,233,268 1,241,426 1,213,428 1,248,944 1,249,337 1,249,995 22: 1,250,022 1,212,225 1,212,407 1,212,660 1,213,200 1,217,212 1,217,343 1,217,825 1,218,344 1,219,665 1,221,098 1,223,016 1,223,873 1,225,064 1,225,556 1,228,170 1,229,021 1,231,877 1,233,332 1,235,574 1,236,245 1,236,512 1,238,539 1,239,148 1,242,648 1,244,859 1,247,724 1,248,427 1,248,899 1,249,528 1,249,753 1,249,964 1,250,007 23: 1,214,404 1,220,143 1,221,679 1,222,024 1,222,063 1,224,670 1,226,924 1,231,065 1,231,406 1,234,120 1,238,019 1,238,510 1,238,525 1,238,679 1,239,722 1,240,036 1,241,058 1,242,737 1,243,588 1,246,782 1,247,171 24: 1,213,876 1,213,997 1,214,060 1,216,894 1,217,056 1,217,350 1,218,589 1,222,191 1,222,606 1,223,525 1,226,288 1,227,395 1,228,324 1,230,535 1,231,782 1,232,210 1,233,573 1,234,629 1,237,399 1,238,026 1,242,397 1,244,069 1,245,911 1,246,112 1,246,539 1,247,204 26: 1,213,387 1,221,312 1,222,795 1,231,501 1,235,833 1,244,166 1,245,138 1,246,857 1,249,242 27: 1,214,626 1,244,563 28: 1,216,069 1,221,904 1,231,034	43— 28: 1,231,165 30: R. 14,377 1,212,752 1,217,689 1,217,690 1,220,921 1,224,074 1,226,701 1,230,908 1,232,211 1,232,804 1,233,507 1,235,331 1,237,529 1,239,724 1,239,956 1,239,957 1,242,556 1,243,391 1,246,162 1,247,935 1,247,955 1,248,390 1,249,194 1,250,189 1,250,913 31: 1,212,388 1,215,697 1,217,308 1,217,769 1,220,617 1,237,429 1,238,159 1,242,469 32: 1,220,860 1,225,638 1,232,762 1,239,302 34: 1,239,501 1,247,488 44— 1: 1,212,291 1,213,763 1,216,710 1,219,178 1,224,641 1,233,611 1,236,447 1,241,648 1,246,805 1,246,807 3: 1,222,209 1,222,210 1,229,637 1,233,606 1,251,285 1,251,422 7: 1,223,153 8: 1,222,485 1,225,405 1,230,924 1,239,099 1,239,100 1,248,302 45— 2: 1,211,798 1,215,447 1,216,731 1,223,228 1,227,550 1,228,021 1,231,134 1,231,798 1,234,025 1,235,533 1,238,208 1,240,851 1,241,279 1,241,429 1,242,101 1,242,440 1,242,609 3: 1,218,785 1,218,853 1,225,170 1,227,704 1,241,615 1,245,713 4: 1,240,908 1,250,220 5: 1,229,196 1,245,582 6: 1,237,145 1,244,523 7: 1,211,065 1,214,495 1,215,276 1,221,339 1,222,451 1,225,169 1,227,001	45— 7: 1,229,402 1,238,514 1,247,367 1,249,086 1,251,424 9: 1,215,551 1,215,656 1,217,727 1,227,102 1,228,233 1,237,294 1,239,340 1,242,822 1,247,074 1,251,257 11: 1,215,479 1,217,266 1,217,772 1,221,187 1,221,788 1,222,457 1,229,099 1,233,389 1,234,270 1,235,416 1,235,431 1,235,432 1,235,433 1,235,434 1,236,544 1,236,612 1,236,900 1,237,269 1,239,086 1,240,962 1,240,963 1,240,964 1,247,644 1,248,044 13: 1,216,054 1,218,980 1,219,784 1,220,758 1,225,150 1,229,603 1,231,452 1,233,001 1,233,576 1,236,169 1,238,581 1,240,655 1,241,700 1,241,746 1,243,173 1,246,785 1,248,615 1,249,352 1,249,643 15: 1,213,638 1,218,595 1,221,999 1,242,680 1,248,283 1,248,337 16: 1,213,141 1,213,279 1,215,240 1,215,261 1,216,030 1,219,412 1,221,796 1,225,054 1,226,708 1,227,813 1,231,233 1,231,291 1,234,206 1,235,236 1,235,539 1,240,519 1,240,997 1,241,104 1,243,192 1,243,784 1,246,313 1,251,106 17: 1,219,715 1,221,498 1,240,163 1,244,619 18: 1,242,335 22: 1,243,625 24: 1,216,725 1,219,085 1,219,556 1,221,123 1,223,015 1,227,744 1,229,112 1,229,621 1,229,857 1,231,281 1,232,242	45— 24: 1,232,817 1,232,911 1,232,979 1,233,636 1,233,910 1,235,414 1,237,742 1,237,974 1,239,877 1,242,972 1,244,230 1,244,592 1,245,280 1,247,187 1,248,783 1,249,057 26: 1,212,926 1,217,730 1,221,035 1,225,228 1,226,134 1,235,689 1,242,225 1,244,373 1,245,727 1,249,706 27: 1,222,503 1,227,384 1,229,620 1,243,744 1,245,212 28: 1,211,353 1,212,588 1,215,294 1,219,370 1,226,908 1,227,318 1,231,986 1,233,431 1,235,415 1,237,699 1,239,076 1,239,392 1,242,905 1,245,573 1,249,603 1,250,089 1,251,071 31: 1,218,893 1,220,967 1,224,562 1,226,457 1,227,681 1,233,497 32: 1,218,103 1,222,532 1,224,137 1,225,390 1,227,421 1,227,965 1,229,533 1,240,620 1,241,778 1,243,670 1,248,760 1,248,984 33: 1,216,444 1,218,020 1,228,631 1,231,993 1,235,262 1,239,228 1,244,565 36: 1,239,549 37: 1,212,006 1,212,993 1,219,404 1,225,611 1,226,931 1,228,560 1,235,443 1,235,476 1,245,022 1,249,254 38: 1,216,098 1,247,964 1,248,772 46: 1,220,631 47: 1,212,897 1,234,103 1,250,305 48: 1,211,620 1,216,079 1,225,234 1,240,390 1,243,123 1,243,161 1,246,714 50: 1,219,694 1,232,491 1,243,508 1,249,410 51: 1,210,415	45— 51: 1,213,832 1,224,129 1,232,874 1,239,937 1,250,487 52: 1,235,677 1,235,057 1,236,614 1,237,009 1,239,774 1,246,203 1,247,057 1,247,306 1,249,646 53: 1,231,005 1,237,101 54: 1,238,215 1,251,072 55: 1,211,286 1,227,723 57: 1,214,076 1,218,790 1,232,075 1,226,336 1,228,136 1,233,463 58: 1,224,947 1,238,899 1,239,018 1,240,151 1,247,033 59: 1,232,089 1,235,070 1,239,655 1,241,218 60: 1,215,588 61: 1,228,595 1,245,890 62: 1,235,295 1,244,676 64: 1,214,677 1,219,988 1,233,368 1,241,732 1,245,938 1,246,072 1,249,873 68: 1,219,790 69: 1,229,730 1,250,625 70: 1,211,433 1,221,209 1,221,643 1,231,860 1,232,961 1,233,629 1,247,091 1,247,590 71: 1,211,926 1,213,433 1,218,166 1,219,764 1,228,510 1,229,205 1,235,043 1,235,056 1,235,736 1,239,973 1,240,391 1,248,288 1,249,756 74: 1,238,999 75: 1,216,945 1,223,637 1,237,170 77: 1,212,471 1,213,121 1,226,561 1,227,939 1,245,543 1,247,712 1,248,133 78: 1,216,465 1,219,891 1,221,948 1,238,957 1,243,116 1,245,918 1,250,110 79: 1,221,083 80: 1,216,048 1,219,393 1,220,705 82: 1,211,527 1,213,299 1,215,898 1,216,321 1,217,024 1,217,319 1,217,676 1,218,923 1,219,158	45— 82: 1,220,578 1,221,296 1,222,455 1,223,230 1,228,274 1,228,435 1,231,301 1,231,678 1,232,757 1,233,502 1,235,359 1,236,887 1,244,320 1,246,859 1,247,112 1,247,449 1,247,990 1,248,117 85: 1,245,206 86: 1,245,111 90: 1,217,394 1,232,649 1,239,135 1,245,399 92: 1,220,405 93: 1,218,821 94: 1,225,294 1,235,266 1,240,048 1,241,093 1,247,137 95: 1,219,976 1,227,799 1,242,916 96: 1,220,601 97: 1,214,973 1,249,081 1,250,723 99: 1,242,631 100: 1,220,069 1,248,976 1,225,928 102: 1,242,235 103: 1,248,682 104: 1,210,682 1,212,028 1,213,593 1,228,523 1,245,351 1,248,982 105: 1,221,919 106: 1,222,805 1,238,646 1,244,497 1,245,237 1,250,429 109: 1,249,165 110: 1,213,085 1,230,819 1,246,981 111: 1,229,138 1,243,750 112: 1,225,991 1,236,320 1,237,966 1,243,621 1,248,182 113: 1,224,175 1,232,396 1,232,578 1,236,075 1,246,085 1,244,208 114: 1,210,635 116: 1,210,983 1,213,976 1,214,724 1,220,471 1,223,782 1,229,645 1,235,934 1,238,338 1,242,347 117: 1,215,420 1,219,220 1,225,573 1,227,850 1,239,136 1,241,987 118: 1,211,407 1,218,831 1,229,890 1,231,118 1,238,824 1,249,253 1,249,594 1,251,245 120: 1,235,554 121: 1,220,855 1,232,564
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Classification of patents—Continued.

45— 121: 1,243,856	46— 27: 1,219,913	46— 40: 1,220,451	46— 47: 1,240,434	46— 61: 1,234,618	47— 33: 1,233,099
1,247,525	1,222,622	1,221,157	1,247,342	1,235,119	34: 1,226,311
122: 1,221,646	1,225,506	1,221,314	1,217,704	1,235,439	36: 1,239,994
129: 1,225,642	1,228,011	1,221,589	1,222,858	1,242,194	1,218,333
1,238,594	1,230,103	1,221,970	1,224,935	1,243,334	1,222,253
1,242,151	1,230,104	1,223,280	1,225,894	1,243,642	1,224,692
131: 1,219,959	1,230,998	1,223,508	1,229,975	1,245,684	1,227,898
1,230,398	1,232,407	1,224,044	1,234,479	1,245,820	1,228,006
134: 1,223,964	1,234,473	1,224,430	1,235,455	1,246,733	1,240,733
1,229,011	1,235,506	1,227,129	1,236,149	1,249,413	1,241,816
135: 1,248,284	1,236,962	1,227,393	1,243,295	1,251,442	1,249,355
46— 4: 1,211,708	1,238,151	1,227,686	1,247,108	1,225,260	1,251,315
1,213,014	1,240,285	1,229,102	1,248,618	1,210,614	37: 1,223,817
1,213,370	1,241,138	1,229,906	1,249,797	1,211,103	39: 1,235,520
1,213,382	1,242,194	1,229,953	1,249,967	1,213,718	40: 1,211,441
1,213,679	1,244,411	1,230,263	1,226,835	1,221,244	1,249,916
1,215,316	1,251,305	1,231,145	1,236,433	1,222,693	41: 1,214,057
1,216,094	31: 1,215,617	1,232,601	50: R. 14, 259	1,224,173	1,229,022
1,217,940	32: 1,242,094	1,232,856	1,212,855	1,226,841	48— 4: 1,219,980
1,218,091	1,250,266	1,233,242	1,213,739	1,238,522	1,220,528
1,218,390	35: 1,216,840	1,233,866	1,217,450	1,240,756	1,222,520
1,219,417	1,224,643	1,234,883	1,218,451	1,242,002	1,223,294
1,222,770	1,226,049	1,235,050	1,224,688	1,242,969	1,224,537
1,224,410	1,230,887	1,235,422	1,224,802	1,245,096	1,228,772
1,224,850	1,236,234	1,236,290	1,228,544	1,210,854	1,229,499
1,229,766	1,236,896	1,236,087	1,243,077	1,211,748	1,232,572
1,232,816	1,237,728	1,236,676	1,245,737	1,213,690	1,233,663
1,235,922	1,240,807	1,237,198	1,249,115	1,215,799	1,237,449
1,239,356	1,241,594	1,237,390	51: 1,211,557	1,216,355	1,237,557
1,240,005	1,241,682	1,237,951	1,216,690	1,220,871	1,238,032
1,240,866	1,242,272	1,238,786	1,217,761	1,221,493	1,242,584
1,242,832	1,242,273	1,239,033	1,228,111	1,228,091	1,243,890
1,248,826	1,245,440	1,239,378	1,230,491	1,228,542	10: 1,244,399
1,249,127	1,246,796	1,239,982	1,241,607	1,231,683	23: 1,217,060
1,250,296	1,248,068	1,243,152	52: 1,218,275	1,232,133	1,226,237
1,250,301	36: 1,211,299	1,243,380	53: 1,240,232	1,235,435	1,238,729
6: 1,220,420	1,242,820	1,244,799	1,242,668	1,223,365	1,246,534
1,227,299	37: 1,211,369	1,245,089	54: 1,211,405	65: 1,223,365	27: 1,237,637
1,227,312	1,211,930	1,246,220	1,217,235	66: 1,227,248	30: 1,220,940
1,240,705	1,213,046	1,247,115	1,224,322	1,245,342	36: 1,221,475
1,246,436	1,214,867	1,248,618	1,224,727	67: 1,222,767	1,244,618
7: 1,244,044	1,216,425	1,249,322	1,225,276	1,223,882	38: 1,216,197
8: 1,221,057	1,217,277	1,249,810	1,230,898	1,230,447	1,234,161
1,224,944	1,217,865	1,250,025	1,231,863	1,235,713	1,247,934
9: 1,212,038	1,217,885	41: 1,215,033	1,231,864	1,236,925	41: 1,227,974
1,218,373	1,218,169	1,215,069	1,239,280	1,229,658	44: 1,225,559
1,221,107	1,218,405	1,217,632	1,247,323	68: 1,210,920	46: 1,228,998
1,225,201	1,219,770	1,218,014	55: 1,237,293	69: 1,217,292	52: 1,218,844
1,230,122	1,220,874	1,221,149	1,246,297	1,222,924	53. 1: 1,224,822
1,235,051	1,221,494	1,221,215	56: 1,213,337	1,224,658	1,237,702
1,240,336	1,223,765	1,223,164	1,216,850	1,230,625	53. 2: 1,231,155
1,241,194	1,224,363	1,225,071	1,217,145	1,233,005	53. 3: 1,225,434
1,241,312	1,224,398	1,225,760	1,220,976	1,234,793	1,232,231
1,244,793	1,225,379	1,229,580	1,221,791	1,236,039	1,246,094
1,248,634	1,226,155	1,230,309	1,222,005	1,237,588	1,246,266
11: 1,213,950	1,231,059	1,231,608	1,225,970	1,240,191	53. 4: 1,241,680
12: 1,210,864	1,235,173	1,231,956	1,226,695	1,240,809	56: 1,224,616
1,220,236	1,237,161	1,232,287	1,226,774	1,242,626	1,225,016
1,220,846	1,239,848	1,234,220	1,245,640	1,245,350	57: 1,228,302
1,222,284	1,240,887	1,234,679	1,248,270	1,247,869	63: 1,235,774
1,227,833	1,241,000	1,235,306	59: 1,210,847	1,250,951	1,251,252
1,230,059	1,241,535	1,235,966	1,211,379	1,214,744	65: 1,221,749
1,231,597	1,241,822	1,236,378	1,212,698	1,220,032	1,225,396
1,237,417	1,241,937	1,236,769	1,212,794	1,220,200	66: 1,243,822
1,237,418	1,243,287	1,238,699	1,213,562	1,223,488	68: 1,225,048
1,237,419	1,244,182	1,243,411	1,216,091	1,229,519	69: 1,246,888
13: 1,224,156	1,244,455	1,245,942	1,216,382	1,230,777	74: 1,223,242
1,229,830	1,244,456	1,251,400	1,221,803	1,238,566	76: 1,212,894
1,210,666	1,244,457	45: 1,210,992	1,222,829	1,243,645	82: 1,230,558
1,217,037	1,244,702	1,216,589	1,223,859	1,247,888	85. 1: 1,210,471
1,221,699	1,244,948	1,216,590	1,224,080	1,248,080	1,240,220
1,223,643	1,245,444	1,216,906	1,225,393	1,221,509	1,251,038
21: 1,215,154	1,245,872	1,223,287	1,226,551	1,218,115	85. 2: 1,251,011
22: 1,212,122	1,247,003	1,223,372	1,227,249	1,225,281	1,251,039
1,220,363	1,247,145	1,225,082	1,228,090	1,244,897	1,251,064
1,243,465	1,247,226	1,230,202	1,229,260	18: 1,213,194	86: 1,217,554
1,244,371	1,248,532	1,230,574	1,230,503	1,225,767	1,221,055
1,245,439	1,248,617	1,230,575	1,235,411	19: 1,213,331	87: 1,238,071
1,246,540	1,248,619	1,230,847	1,235,771	1,213,940	95: 1,218,575
1,250,044	1,249,004	1,240,181	1,240,394	1,214,356	102: 1,234,116
24: 1,224,387	1,249,538	1,243,208	1,241,050	1,216,642	103: 1,216,613
1,224,388	1,250,348	1,247,126	1,242,046	1,218,228	107: 1,211,991
1,226,986	40: 1,210,999	1,248,072	1,242,870	1,221,449	1,214,838
1,239,924	1,211,232	1,248,729	1,242,942	1,222,167	1,212,167
1,250,635	1,211,479	1,248,788	1,247,733	1,231,975	1,228,082
25: 1,212,198	1,211,590	1,251,458	1,248,639	1,247,766	1,246,305
1,213,839	1,212,093	46: 1,211,870	1,248,970	1,251,125	1,245,807
1,215,657	1,212,099	1,219,241	1,249,716	1,251,234	118. 1: 1,225,262
1,217,810	1,212,218	1,220,242	1,249,915	1,218,326	1,239,517
1,222,591	1,212,332	1,223,507	61: 1,214,252	1,221,664	1,230,808
1,228,607	1,212,941	1,223,696	1,215,624	1,244,576	178: 1,217,623
1,230,317	1,213,076	1,225,445	1,216,333	1,245,441	1,211,636
1,233,545	1,214,028	1,225,733	1,217,908	23: 1,249,973	1,211,775
1,234,393	1,214,377	1,228,532	1,218,374	27: 1,210,502	1,212,013
1,234,954	1,215,962	1,229,757	1,218,874	1,212,097	1,212,233
1,236,094	1,216,634	1,233,445	1,219,456	1,217,239	1,212,244
1,243,263	1,216,872	1,235,799	1,221,181	1,222,648	1,213,621
1,243,985	1,216,874	1,240,990	1,223,256	29: 1,228,096	1,217,634
1,246,152	1,217,309	1,246,315	1,226,028	30: 1,210,675	1,218,608
1,248,892	1,218,398	1,247,680	1,226,152	1,230,855	1,231,939
27: 1,213,931	1,218,852	1,247,942	1,226,424	1,238,956	1,233,256
1,216,353	1,219,099	1,250,557	1,227,303	31: 1,214,142	1,233,558
1,217,280	1,219,839	47: 1,234,472	1,231,251	1,234,960	1,233,942

Classification of patents—Continued.

48— 180: 1,235,189 1,237,779 1,238,691 1,239,882 1,242,630 1,242,839 1,243,122 1,244,379 1,250,409 184: 1,250,319 191: 1,213,159 1,235,383 1,239,092 1,250,552 198: 1,225,264 202: 1,214,164 210: 1,228,879 1,249,864 211: 1,235,777 212: 1,218,470 213: 1,230,226 214: 1,228,818 219: 1,230,101 220: 1,237,767 49— 1: 1,232,495 2: 1,220,836 3: 1,230,424 1,247,617 1,248,819 5: 1,212,135 1,217,494 1,229,060 1,245,262 1,251,156 7: 1,242,837 1,248,582 8: 1,236,606 9: 1,217,102 1,232,353 1,241,516 13: 1,213,291 1,234,406 14: 1,211,611 1,234,010 1,250,562 15: 1,217,142 17: 1,220,906 1,224,032 1,240,185 1,248,809 17.1: 1,213,285 1,219,709 1,225,591 1,236,241 1,239,024 1,242,055 1,243,023 18: 1,232,703 20: 1,221,332 1,248,664 23: 1,226,700 1,229,028 32: 1,217,614 1,232,107 34: 1,248,478 37: 1,213,853 1,217,635 42: 1,231,188 47: 1,214,217 1,226,633 1,232,798 1,243,777 1,247,890 48: 1,220,201 50: 1,220,632 1,221,076 1,232,366 53: 1,215,571 1,226,022 1,248,483 1,249,868 54: 1,237,282 1,237,283 1,250,893 55: 1,214,089 1,215,507 1,218,492 1,234,934 1,236,496 1,241,790 1,246,764 1,249,401 56: 1,214,349 1,231,776 1,243,564 1,248,372 60: 1,223,959 61: 1,212,031 1,225,541 1,225,542 1,236,240 1,240,937 62: 1,222,243	49— 62: 1,223,393 1,232,494 65: 1,222,784 1,223,392 67: 1,236,937 1,236,938 72: 1,230,867 77: 1,212,189 1,231,610 1,241,229 77.5: 1,242,537 78: 1,238,575 79: 1,210,572 1,239,051 1,247,031 80: 1,231,751 1,235,008 81: 1,223,135 1,230,548 83.1: 1,218,598 1,241,480 1,242,444 84: 1,230,368 85: 1,211,120 87: 1,217,340 4: 1,214,445 5: 1,249,596 11: 1,228,104 1,235,640 1,245,725 14: 1,212,177 1,243,454 15: 1,219,974 1,236,953 21: 1,249,934 22: 1,235,541 1,236,093 23: 1,210,891 1,217,901 1,218,745 1,231,293 1,244,226 25: 1,236,010 26: 1,216,116 27: 1,213,972 31: 1,218,543 1,222,652 1,222,653 33: 1,221,342 34: 1,216,872 1,231,966 35: 1,216,985 1: 1,212,628 1,216,244 1,216,488 1,216,489 1,217,593 1,217,848 1,218,158 1,220,668 1,223,846 1,227,025 1,231,307 1,235,325 1,238,883 1,238,925 1,243,783 1,248,318 3: 1,217,090 1,219,461 1,221,280 1,221,858 1,223,219 1,223,792 1,224,169 1,226,329 1,226,659 1,227,243 1,230,530 1,232,465 1,234,562 1,236,474 1,237,366 1,238,612 1,239,268 1,239,939 1,241,628 1,243,496 1,244,939 1,250,563 1,251,114 1,251,115 4: 1,210,936 1,210,937 1,211,381 1,212,002 1,212,030 1,212,131 1,213,591 1,214,629 1,214,641 1,215,059 1,215,238	51— 4: 1,215,482 1,216,663 1,216,925 1,217,339 1,217,417 1,217,669 1,218,459 1,218,754 1,219,010 1,219,037 1,219,142 1,219,440 1,219,827 1,221,211 1,221,472 1,223,087 1,223,225 1,224,067 1,224,680 1,225,858 1,226,388 1,227,775 1,228,356 1,229,162 1,229,496 1,230,900 1,231,283 1,231,579 1,231,818 1,232,715 1,233,022 1,233,701 1,234,351 1,235,232 1,236,604 1,237,087 1,237,189 1,237,255 1,237,751 1,240,687 1,241,964 1,243,180 1,244,526 1,244,703 1,246,120 1,246,191 1,246,996 1,248,346 1,248,446 1,248,539 1,249,608 1,249,632 1,249,655 1,249,871 1,250,049 1,250,107 1,250,939 1,251,047 5: 1,212,213 1,212,214 1,243,241 1,246,958 6: 1,219,993 1,222,875 1,225,969 7: 1,211,101 1,212,564 1,213,609 1,213,703 1,213,727 1,214,241 1,215,758 1,216,387 1,217,808 1,217,996 1,218,652 1,218,878 1,220,086 1,221,556 1,221,797 1,221,798 1,223,500 1,223,753 1,223,826 1,224,593 1,224,754 1,224,807 1,225,236 1,226,969 1,227,398 1,227,547 1,228,135 1,229,526 1,230,111 1,230,462 1,230,993 1,231,258 1,231,920 1,233,543 1,233,608 1,234,376 1,234,443	51— 7: 1,234,945 1,235,590 1,237,209 1,237,254 1,239,494 1,240,716 1,244,493 1,246,507 1,248,157 1,249,629 1,249,630 1,249,631 8: 1,212,615 1,231,425 1,238,620 1,247,505 10: 1,210,745 1,212,552 1,243,837 1,248,051 1,250,085 11: 1,211,776 1,213,164 1,214,009 1,220,287 1,223,461 1,224,506 1,228,919 1,230,759 1,233,120 1,233,670 1,240,313 1,241,236 1,243,090 1,243,491 1,244,716 1,246,202 1,247,152 1,251,251 12: 1,214,244 1,215,735 1,216,409 1,216,588 1,218,523 1,219,088 1,219,305 1,222,307 1,223,155 1,223,155 1,225,040 1,226,621 1,227,498 1,228,798 1,230,595 1,231,102 1,231,238 1,231,720 1,246,769 1,250,512 13: 1,219,670 1,227,051 1,228,520 1,235,708 1,240,428 1,241,407 1,243,949 1,244,584 1,249,493 14: 1,224,191 15: 1,233,049 1,213,339 1,213,556 1,214,034 1,215,893 1,217,608 1,217,981 1,219,914 1,219,915 1,221,263 1,223,127 1,223,672 16: 1,224,924 1,229,668 1,229,826 1,230,717 1,231,902 1,240,514 1,240,515 1,240,540 1,241,027 1,242,746 1,243,097 1,244,095 1,244,754 1,245,857 17: 1,211,866 1,218,339 1,223,040 1,227,622 1,228,418 1,238,133 1,244,310 1,247,089 60: R. 14,383	52— 1: 1,214,765 1,214,766 1,218,976 1,222,065 1,235,245 1,240,272 1,243,231 1,243,351 3: 1,211,761 1,212,770 1,213,367 1,213,369 1,225,347 1,231,351 1,237,551 1,239,368 1,242,900 1,248,933 4: 1,240,549 6: 1,240,027 1,242,879 1,244,940 53— 1: 1,211,051 1,212,661 1,213,148 1,213,404 1,214,992 1,217,699 1,218,823 1,221,853 1,223,552 1,223,748 1,224,731 1,225,229 1,225,430 1,228,108 1,229,739 1,230,296 1,231,192 1,237,580 1,237,622 1,241,002 1,245,670 1,246,161 1,249,023 1,250,888 2: 1,219,200 1,229,192 1,235,009 3: R. 14,244 1,210,590 1,211,910 1,217,044 1,217,179 1,218,294 1,219,442 1,221,683 1,223,174 1,225,690 1,225,812 1,226,005 1,226,524 1,226,552 1,231,372 1,231,641 1,232,808 1,233,515 1,235,791 1,238,209 1,238,759 1,240,427 1,242,651 1,246,399 1,247,131 1,247,396 1,247,906 1,248,114 1,249,818 1,250,547 1,251,432 4: 1,222,511 1,224,347 1,248,087 1,248,234 1,251,279 1,251,291 1,251,304 5: 1,212,051 1,212,340 1,213,025 1,216,525 1,221,228 1,226,771 1,234,159 1,242,725 1,244,965 1,245,712 6: 1,212,864 1,214,409 1,221,725 1,223,226 1,226,353 1,227,920	53— 6: 1,228,471 1,229,280 1,229,282 1,229,825 1,232,939 1,234,407 1,238,030 1,245,710 1,245,711 7: 1,210,974 1,213,367 1,216,973 1,219,686 1,222,212 1,232,360 1,233,909 1,239,788 1,241,818 1,250,360 8: 1,210,813 1,212,833 1,214,716 1,214,800 1,215,929 1,216,309 1,219,779 1,222,056 1,224,058 1,225,047 1,227,251 1,227,356 1,228,150 1,228,816 1,230,419 1,232,385 1,232,851 1,233,736 1,235,625 1,237,935 1,238,688 1,241,010 1,241,448 1,246,908 1,248,274 9: 1,243,823 1,248,472 10: 1,238,974 11: 1,234,059 1: 1,213,860 1,244,202 4: 1,210,796 5: 1,225,083 6: 1,215,357 7: 1,218,053 1,241,729 9: 1,240,041 19: 1,216,898 1,230,701 1,238,556 1,241,305 21: 1,211,207 24: 1,216,966 1,227,440 1,232,308 1,250,246 25: 1,235,931 30: 1,211,122 1,233,493 1,237,785 1,241,304 31: 1,217,916 33: 1,239,290 34: 1,210,433 1,239,591 36: 1,240,304 37: 1,239,755 1,239,756 41: 1,221,628 44: 1,212,545 1,213,329 1,214,458 1,246,675 46: 1,214,364 1,216,228 1,226,623 1,236,226 49: 1,219,525 1,231,571 1,238,584 1,250,704 50: 1,213,907 52: 1,217,055 1,231,547 1,233,233 53: 1,242,661 56: 1,225,621 59: 1,227,870 1,227,871 1,248,939 64: 1,221,525 1,244,350 67: 1,249,963 71: 1,212,023 1,221,706
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54— 73: 1,212,520 1,227,823 79: 1,218,004 1,221,256 1,234,902 1,239,478 80: 1,215,884 81: 1,218,829 83: 1,218,088 1,225,350 87: 1,218,080 1,248,269 55— 1: 1,223,840 1,245,252 2: 1,213,446 1,216,926 1,233,337 1,234,110 1,236,932 1,245,162 1,246,487 1,246,597 3: 1,237,947 1,245,431 5: 1,235,790 6: 1,218,633 1,237,406 1,250,591 7: 1,239,627 9: 1,213,371 1,216,715 1,222,098 1,228,592 1,232,086 1,239,921 1,241,761 1,247,813 1,249,911 10: 1,213,230 1,224,551 1,227,478 1,239,687 1,239,735 11: 1,213,998 1,227,938 1,230,194 1,233,139 1,239,294 1,249,395 12: 1,217,245 1,225,006 13: 1,237,556 14: 1,225,680 1,233,740 1,247,032 1,247,451 1,248,445 17: 1,211,552 1,216,751 1,223,268 1,241,880 1,243,327 18: 1,217,995 19: 1,218,333 1,219,107 1,251,050 20: 1,241,046 1,241,064 1,248,257 21: 1,221,742 22: 1,217,223 23: 1,222,696 1,228,273 1,241,205 24: 1,219,793 1,225,912 1,229,808 1,230,793 25: 1,223,722 1,226,265 1,245,024 26: 1,224,453 27: 1,244,437 30: 1,220,475 1,230,464 1,241,774 1,241,775 32: 1,210,795 34: 1,212,695 1,220,136 1,222,128 37: 1,225,367 38: 1,239,653 39: 1,221,650 1,232,763 1,246,577 40: 1,240,199 1,245,511 1,245,812 1,250,839 41: 1,229,955 1,231,012 1,239,316	55— 41: 1,244,746 42: 1,224,630 43: 1,229,843 44: 1,211,655 1,244,765 45: 1,224,957 1,228,935 47: 1,214,463 48: 1,211,811 51: 1,214,532 1,215,745 1,218,860 1,241,583 1,249,445 54: 1,215,480 59: 1,231,593 60: 1,214,383 1,218,436 1,219,875 1,221,351 1,222,388 1,226,425 1,227,166 1,234,352 1,234,581 1,243,495 1,244,646 1,247,382 61: 1,222,701 1,237,194 1,247,018 1,249,103 1,249,178 62: 1,219,676 1,248,517 64: 1,220,518 1,222,946 1,233,090 65: 1,225,188 1,239,201 66: 1,228,200 1,223,231 1,248,365 71: 1,222,711 1,236,880 72: 1,222,921 73: 1,219,720 1,220,485 1,249,008 77: 1,237,182 1,250,570 79: 1,235,208 81: 1,221,230 1,225,904 1,239,091 1,246,462 1,247,765 83: 1,213,281 1,219,368 1,223,145 1,245,053 1,247,017 84: 1,212,957 1,230,294 1,239,367 1,244,295 1,244,993 85: 1,218,541 1,226,493 1,240,542 1,244,531 1,248,194 1,251,198 88: 1,225,204 91: 1,221,148 1,221,152 1,232,965 92: 1,214,961 94: 1,213,566 1,229,093 1,243,971 1,246,914 96: 1,247,043 97: 1,218,581 100: 1,249,213 102: 1,219,992 103: 1,222,918 1,232,380 1,235,795 1,243,203 1,244,016 1,245,261 1,248,673 106: 1,211,030 1,231,836 1,235,903 1,248,034 1,248,379 107: 1,212,931 1,214,381 1,217,330 1,220,977 1,221,775	55— 107: 1,222,099 1,225,759 1,225,841 1,231,837 1,233,134 1,235,490 1,235,843 1,248,330 1,251,362 108: 1,240,955 1,241,108 1,250,458 109: 1,221,729 1,229,372 114: 1,232,539 115: 1,223,555 1,232,361 116: 1,211,175 1,213,136 1,221,403 1,240,502 1,241,189 1,247,885 118: 1,212,972 120: 1,235,624 121: 1,215,125 125: 1,249,450 137: 1,239,935 138: 1,226,437 1,233,805 1,237,695 1,248,335 1,251,425 139: 1,239,354 1,243,898 146: 1,217,322 1,230,664 1,234,755 1,244,789 1,251,284 147: 1,212,582 1,233,435 148: 1,212,303 1,224,571 1,226,980 1,242,468 1,244,344 1,245,924 1,246,562 150: 1,218,833 152: 1,244,165 1,218,930 1: 1,212,061 1,214,653 1,214,990 1,218,011 1,226,573 2: 1,212,023 1,217,629 1,220,132 1,229,870 1,233,984 1,249,295 3: 1,222,815 1,239,153 5: 1,251,428 6: 1,213,529 1,217,408 1,220,931 1,223,328 1,237,832 1,239,767 9: 1,219,552 15: 1,217,867 19: 1,210,879 1,211,338 1,214,552 1,215,998 1,216,566 1,216,676 1,217,204 1,218,173 1,218,669 1,220,489 1,221,930 1,222,241 1,222,263 1,222,950 1,225,053 1,225,380 1,226,206 1,228,045 1,229,000 1,229,253 1,230,086 1,230,710 1,235,144 1,235,649 1,240,469 1,240,561	56— 19: 1,241,086 1,241,762 1,245,825 1,246,234 1,247,832 1,248,751 1,251,022 22: 1,236,021 1,241,446 27: 1,218,535 1,236,710 1,245,917 1,247,461 1,250,993 29: 1,222,716 1,222,730 1,244,152 30: 1,221,980 1,229,756 1,232,681 1,244,074 31: 1,212,167 32: 1,211,100 1,224,114 33: 1,211,972 1,215,916 1,216,585 1,224,004 1,242,505 1,251,265 36: 1,224,000 1,237,695 1,237,778 1,240,424 37: 1,218,792 1,235,977 42: 1,245,897 43: 1,224,002 1,228,403 1,228,642 44: 1,210,910 1,212,427 1,212,880 1,214,345 1,218,511 1,218,924 1,227,410 1,231,111 1,233,950 1,239,570 1,240,720 1,243,095 1,248,241 45: 1,219,322 1,221,204 1,231,174 61: 1,217,131 1,219,020 1,224,871 1,230,152 1,237,543 1,250,337 64: 1,229,640 1,237,305 65: 1,221,541 1,225,112 1,250,347 66: 1,225,432 67: 1,230,863 68: 1,212,094 1,224,876 1,227,058 69: 1,219,018 1,230,066 70: 1,222,324 1,237,313 74: 1,213,942 1,217,449 1,229,248 1,234,528 1,237,661 1,237,689 1,237,690 1,240,361 80: 1,212,790 81: 1,222,526 83: 1,226,376 1,247,069 89: 1,217,008 1,224,003 94: 1,227,788 1,229,616 99: 1,212,909 1,214,450 1,216,106 1,217,137 1,222,878 1,223,601 1,225,097 1,228,413 1,233,089 1,235,371 1,235,601	56— 99: 1,240,128 1,241,198 1,241,411 1,241,642 1,242,059 1,245,155 1,246,173 1,251,080 100: 1,214,242 1,223,201 1,223,999 1,241,452 1,249,914 103: 1,214,460 1,239,685 1,242,084 105: 1,222,390 107: 1,239,353 1,240,164 1,245,458 108: 1,234,521 113: 1,219,327 1,221,316 1,227,235 1,233,418 1,238,402 1,240,847 114: 1,211,740 1,219,169 1,236,507 1,244,341 1,248,382 115: 1,240,451 1,241,096 1,251,373 117: 1,212,644 1,219,539 1,221,119 1,223,193 1,228,238 1,229,121 1,235,456 1,238,047 1,239,343 1,239,614 1,241,280 1,242,761 1,247,387 118: 1,210,958 1,212,899 1,215,660 1,219,204 1,227,223 1,229,598 1,230,168 1,233,907 1,234,386 1,245,246 1,243,303 119: 1,247,070 1,211,809 1,211,880 1,214,215 1,215,191 1,216,523 1,217,332 1,218,694 1,220,865 1,220,866 1,221,743 1,221,820 1,222,717 1,222,718 1,222,798 1,222,799 1,226,371 1,226,373 1,226,375 1,226,392 1,232,854 1,233,399 1,233,955 1,236,018 1,236,680 1,239,621 1,240,823 1,241,490 1,242,440 1,246,951 1,246,963 1,247,005 1,248,943 122: 1,222,736 1,222,797 1,226,369 1,226,374 1,231,195 1,234,503 1,242,112 123: 1,232,652 126: 1,211,627 1,216,368	56— 126: 1,225,598 1,226,370 1,226,372 1,226,629 1,239,791 1,240,028 1,243,365 127: 1,239,793 129: 1,228,841 1,231,690 1,250,251 131: 1,217,933 1,224,718 1,241,325 133: 1,237,859 137: 1,219,495 1,239,763 57— 9: 1,211,506 1,211,999 1,212,984 1,213,574 1,214,417 1,215,350 1,216,291 1,216,362 1,216,423 1,217,868 1,218,297 1,219,268 1,219,776 1,219,979 1,220,481 1,220,505 1,221,400 1,221,718 1,221,793 1,222,166 1,223,034 1,223,443 1,223,714 1,223,960 1,225,100 1,225,724 1,228,690 1,229,575 1,231,035 1,231,616 1,234,231 1,234,263 1,234,565 1,234,794 1,237,788 1,240,661 1,241,879 1,242,129 1,243,617 1,243,904 1,244,289 1,245,216 1,246,142 1,247,662 1,249,568 1,249,723 1,249,781 1,249,947 1,250,169 1,250,619 1,250,902 11: 1,218,714 1,221,504 1,221,693 1,222,025 1,222,048 1,224,148 1,228,494 1,230,029 1,230,515 1,239,700 1,244,658 13: 1,218,920 1,221,817 1,240,713 19: 1,235,838 34: 1,220,182 1,231,052 40: 1,231,596 1,245,657 53: 1,210,393 1,220,339 1,221,375 1,229,031 1,233,038 1,235,804 1,243,746 107: 1,243,565 109: 1,244,680 1,248,098 1,250,602 1,251,278 110: 1,213,278 1,217,680
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Classification of patents—Continued.

57— 111: 1, 212, 822	60— 3: 1, 216, 664	61— 31: 1, 243, 981	63— 7: 1, 231, 796	64— 13: 1, 235, 129	64— 25: 1, 233, 072
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1, 228, 141	4: 1, 214, 103	1, 248, 296	1, 219, 172	1, 235, 196	1, 238, 057
1, 239, 868	1, 217, 861	44: 1, 229, 418	1, 224, 193	1, 237, 866	1, 239, 855
113: 1, 218, 109	1, 224, 673	1, 240, 445	1, 228, 663	1, 238, 950	1, 241, 343
1, 231, 116	1, 230, 417	45: 1, 235, 233	1, 232, 986	1, 240, 065	1, 242, 948
1, 243, 150	1, 231, 376	1, 240, 446	1, 250, 070	1, 240, 560	1, 245, 960
1, 247, 918	1, 238, 650	1, 246, 134	1, 245, 201	1, 241, 117	1, 251, 299
116: 1, 221, 390	1, 242, 057	46: 1, 210, 944	17: 1, 217, 097	1, 241, 713	26: 1, 212, 338
1, 238, 466	1, 244, 529	1, 216, 698	19: 1, 239, 405	1, 242, 066	1, 213, 570
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58— 1: 1, 213, 234	1, 250, 196	47: 1, 230, 457	1, 214, 333	1, 244, 253	1, 224, 647
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1, 227, 555	9: 1, 219, 970	1, 247, 209	32: 1, 216, 479	1, 245, 696	1, 230, 823
1, 229, 454	1, 235, 412	4: R. 14, 415	4: 1, 210, 830	1, 245, 813	1, 237, 423
1, 250, 172	11: 1, 231, 181	1, 225, 850	1, 211, 292	1, 246, 445	1, 239, 548
1, 250, 173	15: 1, 214, 531	1, 233, 755	1, 211, 716	1, 248, 423	1, 242, 154
16: 1, 213, 516	16: 1, 229, 323	1, 250, 062	1, 212, 110	1, 251, 065	1, 243, 213
1, 226, 810	24: 1, 250, 087	5: 1, 217, 084	1, 213, 594	1, 212, 474	1, 243, 978
1, 228, 039	29: 1, 226, 226	1, 219, 534	1, 217, 304	1, 221, 233	1, 244, 753
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1, 240, 484	1, 249, 767	1, 225, 408	1, 223, 430	1, 211, 937	1, 217, 259
17: 1, 234, 829	31: 1, 218, 233	1, 242, 559	1, 224, 420	1, 212, 503	1, 218, 129
24: 1, 216, 380	1, 224, 789	1, 245, 544	1, 224, 553	1, 213, 785	1, 225, 577
25: 1, 218, 692	1, 227, 275	8: 1, 230, 230	1, 224, 812	1, 219, 382	1, 226, 786
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26: 1, 251, 171	1, 237, 877	1, 234, 162	1, 225, 660	1, 223, 165	1, 233, 392
30: 1, 239, 507	1, 243, 812	1, 242, 091	1, 240, 537	1, 223, 303	1, 243, 946
33: 1, 214, 989	32: 1, 233, 618	34: 1, 227, 443	1, 241, 036	1, 229, 313	1, 244, 029
41: 1, 217, 310	38: 1, 236, 793	37: 1, 225, 682	5: 1, 220, 656	1, 231, 611	1, 249, 870
1, 217, 557	1, 241, 780	1, 227, 765	1, 227, 541	1, 231, 856	28: 1, 227, 880
1, 219, 108	1, 241, 781	1, 227, 922	1, 233, 516	1, 232, 445	1, 235, 137
1, 219, 749	37: 1, 212, 914	1, 235, 919	1, 238, 822	1, 233, 814	1, 236, 238
1, 228, 819	1, 232, 481	1, 237, 644	1, 244, 943	1, 247, 302	1, 245, 141
1, 236, 799	61— 2: 1, 220, 187	1, 248, 449	7: 1, 223, 917	18: 1, 251, 858	1, 251, 183
1, 241, 055	1, 220, 188	38: 1, 220, 783	8: 1, 224, 558	1, 217, 371	29: 1, 219, 031
1, 242, 132	1, 220, 189	42: 1, 237, 050	1, 230, 718	1, 223, 024	1, 223, 089
1, 244, 164	3: 1, 215, 504	46: 1, 218, 533	1, 235, 794	1, 229, 927	1, 223, 090
1, 250, 782	1, 221, 068	1, 224, 235	1, 237, 147	1, 234, 744	1, 225, 462
46: 1, 226, 402	1, 227, 582	1, 224, 236	1, 241, 726	1, 244, 835	1, 230, 629
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48: 1, 211, 383	5: 1, 213, 624	50: 1, 233, 056	1, 213, 928	1, 233, 673	1, 216, 307
1, 221, 986	1, 215, 781	51: 1, 219, 936	1, 215, 743	1, 241, 186	1, 216, 745
1, 237, 216	1, 215, 817	53: 1, 222, 308	1, 215, 811	1, 249, 196	1, 224, 886
50: 1, 232, 962	1, 218, 873	55: 1, 215, 948	1, 217, 423	22: 1, 211, 037	1, 228, 439
56: 1, 248, 042	1, 219, 681	60: 1, 250, 821	1, 217, 633	1, 212, 089	1, 241, 100
57: 1, 230, 732	1, 220, 519	67: 1, 222, 635	1, 219, 187	1, 214, 840	1, 244, 038
1, 230, 733	1, 221, 251	76: 1, 237, 665	1, 220, 991	1, 221, 108	1, 244, 186
63: 1, 226, 285	1, 225, 160	85: 1, 230, 914	1, 223, 649	1, 223, 649	1, 245, 229
1, 244, 127	1, 226, 662	90: 1, 239, 250	1, 222, 698	1, 223, 650	31: 1, 221, 018
1, 244, 251	1, 230, 980	1, 242, 086	1, 229, 220	1, 224, 260	1, 238, 239
1, 244, 252	1, 232, 794	95: 1, 230, 692	1, 229, 414	1, 225, 361	1, 244, 568
68: 1, 219, 292	1, 234, 894	105: 1, 221, 054	1, 230, 124	1, 226, 240	1, 244, 914
1, 226, 286	1, 237, 544	109: 1, 247, 821	1, 230, 308	1, 227, 342	1, 245, 427
1, 247, 515	1, 241, 708	111: 1, 231, 569	1, 230, 591	1, 232, 343	32: 1, 216, 821
85: 1, 213, 438	1, 243, 525	115: 1, 230, 986	1, 230, 986	1, 232, 305	34: 1, 213, 428
86: 1, 223, 982	7: 1, 223, 515	1, 231, 670	1, 231, 670	1, 232, 343	1, 214, 554
88: 1, 247, 755	1, 226, 148	1, 232, 312	1, 232, 312	1, 234, 251	35: 1, 222, 857
91: 1, 216, 636	1, 228, 300	1, 233, 282	1, 233, 282	1, 234, 552	1, 232, 410
1, 239, 467	1, 230, 702	1, 237, 880	1, 237, 880	1, 234, 953	1, 245, 586
95: 1, 214, 994	1, 238, 952	1, 250, 035	1, 250, 035	1, 235, 470	36: 1, 210, 921
106.5: 1, 247, 470	1, 245, 058	1, 250, 138	1, 250, 138	1, 236, 600	1, 211, 514
111: 1, 249, 946	8: 1, 227, 670	1, 234, 552	1, 234, 552	1, 240, 019	1, 211, 956
117: 1, 213, 716	1, 235, 059	1, 234, 953	1, 234, 953	1, 248, 259	1, 213, 089
1, 232, 285	9: 1, 210, 885	1, 235, 470	1, 235, 470	1, 210, 549	1, 214, 062
126: 1, 216, 556	1, 220, 203	1, 246, 280	1, 246, 280	1, 211, 106	1, 215, 474
1, 222, 369	1, 220, 891	1, 250, 218	1, 250, 218	1, 214, 509	1, 222, 846
129: 1, 222, 757	1, 225, 867	119: 1, 226, 186	1, 241, 493	1, 215, 044	1, 226, 782
134: 1, 216, 727	1, 227, 187	122: 1, 211, 125	1, 241, 659	1, 216, 044	1, 230, 210
137: 1, 249, 324	1, 228, 662	1, 215, 957	1, 245, 471	1, 215, 619	1, 231, 218
139: 1, 241, 148	1, 232, 043	1, 240, 397	1, 246, 262	1, 220, 712	1, 234, 779
140: 1, 236, 175	1, 234, 609	136: 1, 240, 862	1, 248, 040	1, 224, 133	1, 235, 102
59— 9: 1, 222, 535	1, 238, 274	142: 1, 244, 140	1, 251, 430	1, 230, 299	1, 238, 783
12: 1, 242, 324	11: 1, 210, 425	143: 1, 217, 673	1, 224, 874	1, 231, 990	1, 238, 880
1, 242, 325	13: 1, 222, 801	1, 230, 941	1, 236, 768	1, 230, 821	1, 241, 324
23: 1, 244, 448	1, 230, 632	145: 1, 237, 738	1, 211, 865	1, 231, 990	1, 242, 153
29: 1, 249, 628	1, 247, 634	147: 1, 235, 181	1, 212, 543	1, 232, 644	1, 242, 582
35: 1, 219, 431	1, 251, 131	152: 1, 238, 930	1, 213, 698	1, 233, 127	1, 243, 375
44: 1, 249, 858	16: 1, 210, 925	1, 230, 483	1, 214, 307	1, 234, 367	1, 244, 846
61: 1, 246, 440	1, 216, 225	154: 1, 221, 916	1, 216, 227	1, 234, 853	1, 246, 450
78: 1, 210, 624	1, 221, 067	1, 237, 669	1, 217, 465	1, 235, 844	1, 250, 805
1, 238, 847	1, 240, 444	159: 1, 212, 697	1, 218, 822	1, 236, 511	1, 251, 110
79: 1, 211, 631	1, 242, 217	1, 221, 746	1, 218, 929	1, 236, 879	1, 251, 449
1, 215, 776	21: 1, 223, 763	1, 224, 507	1, 219, 943	1, 238, 367	38: 1, 212, 992
1, 250, 153	23: 1, 246, 133	1, 233, 565	1, 220, 185	1, 240, 602	39: 1, 210, 422
80: 1, 214, 135	1, 246, 135	1, 234, 660	1, 223, 924	1, 241, 658	1, 212, 065
1, 219, 683	1, 248, 070	160: 1, 219, 773	1, 225, 951	1, 242, 239	1, 215, 749
1, 224, 585	24: 1, 216, 234	168: 1, 252, 268	1, 225, 518	1, 243, 661	1, 218, 839
1, 246, 598	1, 219, 995	172: R. 14, 321	1, 225, 754	1, 244, 090	1, 220, 633
85: 1, 231, 090	1, 242, 486	R. 14, 390	1, 226, 475	1, 248, 295	1, 224, 346
89: R. 14, 361	1, 248, 660	1, 225, 213	1, 227, 432	1, 248, 754	1, 224, 730
92: 1, 211, 421	1, 249, 227	178: 1, 230, 482	1, 229, 417	1, 249, 920	1, 236, 950
98: 1, 232, 626	25: 1, 246, 007	1, 246, 866	1, 230, 646	1, 249, 920	1, 242, 277
60— 2: 1, 217, 165	27: 1, 234, 053	1, 246, 866	1, 232, 922	1, 227, 907	1, 243, 049
1, 231, 302	30: 1, 229, 152	63— 2: 1, 238, 016	1, 233, 173	1, 229, 291	1, 245, 064
1, 250, 680	1, 230, 680	1, 245, 965	1, 233, 954	1, 229, 291	1, 246, 181
3: 1, 211, 104	1, 231, 426	5: 1, 224, 921	1, 234, 455	1, 229, 306	1, 246, 294

Classification of patents—Continued.

64— 39: 1, 247, 288 1, 247, 289 1, 247, 858 1, 247, 859 1, 249, 431 1, 249, 784 40: 1, 225, 486 1, 238, 627 41: 1, 218, 505 45: 1, 211, 938 1, 217, 270 1, 218, 674 1, 221, 792 47: 1, 243, 429 48: 1, 213, 145 1, 213, 546 1, 214, 289 1, 232, 754 1, 232, 810 1, 235, 841 1, 242, 857 1, 242, 866 1, 246, 111 49: 1, 215, 314 1, 219, 919 1, 219, 920 1, 219, 921 1, 227, 889 1, 227, 992 1, 231, 366 1, 232, 800 1, 239, 904 1, 242, 767 1, 246, 001 1, 246, 321 1, 249, 707 50: 1, 218, 311 1, 218, 312 1, 223, 335 1, 228, 567 51: 1, 250, 571 52: R. 14, 315 1, 212, 461 1, 218, 192 1, 219, 313 1, 220, 065 1, 221, 315 1, 221, 961 1, 227, 085 1, 227, 561 1, 232, 085 1, 239, 266 1, 242, 204 1, 246, 930 1, 248, 794 1, 249, 308 1, 250, 037 53: 1, 218, 686 1, 232, 391 55: 1, 213, 773 1, 215, 374 1, 219, 192 1, 219, 866 1, 219, 978 1, 220, 648 1, 222, 247 1, 226, 188 1, 226, 603 1, 230, 628 1, 231, 320 1, 232, 714 1, 233, 426 1, 234, 808 56: 1, 210, 836 1, 212, 371 1, 219, 112 1, 227, 082 1, 227, 141 1, 240, 803 57: 1, 213, 805 1, 218, 605 58: 1, 243, 929 59: 1, 210, 607 1, 211, 903 1, 214, 325 1, 220, 615 1, 220, 616 1, 221, 020 1, 222, 447 1, 222, 760 1, 222, 927 1, 223, 395 1, 223, 396 1, 223, 492 1, 224, 624 1, 233, 476 1, 233, 583 1, 235, 235 1, 240, 382 1, 241, 669 1, 242, 502 1, 242, 911 60: 1, 216, 781	64— 60: 1, 222, 534 61: 1, 210, 632 1, 222, 059 1, 222, 833 1, 225, 266 1, 236, 017 1, 242, 530 1, 243, 028 1, 245, 145 1, 245, 146 1, 245, 147 1, 246, 934 1, 250, 607 1, 212, 253 1, 212, 550 1, 212, 551 1, 213, 090 1, 217, 141 1, 220, 345 1, 220, 765 1, 223, 482 1, 223, 952 1, 226, 345 1, 226, 685 1, 230, 145 1, 231, 752 1, 232, 523 1, 232, 750 1, 233, 905 1, 234, 080 1, 235, 116 1, 238, 309 1, 239, 619 1, 242, 388 1, 244, 190 1, 247, 928 1, 250, 367 1, 250, 595 1, 251, 004 63: 1, 246, 699 1, 249, 468 64: 1, 212, 436 1, 213, 991 1, 214, 118 1, 214, 580 1, 221, 781 1, 222, 977 1, 222, 978 1, 223, 323 1, 225, 677 1, 225, 678 1, 226, 202 1, 228, 236 1, 228, 280 1, 232, 118 1, 233, 348 1, 236, 478 1, 239, 547 1, 240, 636 1, 244, 781 1, 244, 782 1, 245, 307 1, 245, 372 1, 246, 589 1, 250, 497 1, 251, 090 65: 1, 222, 951 1, 224, 345 1, 226, 729 1, 248, 535 1, 250, 638 66: 1, 213, 670 1, 213, 890 1, 221, 763 1, 233, 601 1, 247, 968 67: 1, 218, 203 1, 231, 630 1, 237, 787 68: 1, 217, 946 1, 221, 257 70: 1, 216, 901 77: 1, 213, 657 80: 1, 246, 409 1, 248, 885 3: 1, 214, 522 1, 219, 818 1, 224, 351 1, 228, 821 1, 237, 317 1, 237, 826 10: 1, 237, 040 1, 250, 890 12: 1, 210, 850 1, 211, 062 1, 211, 098 1, 213, 120 1, 213, 655 1, 214, 631 1, 214, 720 1, 216, 245 1, 221, 261	65— 12: 1, 222, 370 1, 223, 238 1, 224, 457 1, 224, 793 1, 235, 038 1, 238, 669 1, 241, 307 1, 242, 404 1, 246, 242 1, 246, 959 1, 250, 872 13: 1, 213, 319 1, 213, 320 1, 214, 906 1, 217, 661 1, 221, 639 1, 236, 058 1, 237, 462 1, 239, 204 1, 239, 277 1, 246, 624 1, 250, 954 15: 1, 220, 495 1, 234, 507 1, 230, 145 1, 241, 221 1, 243, 405 1, 249, 745 16: 1, 235, 692 1, 243, 033 20: 1, 223, 105 1, 226, 153 1, 238, 860 1, 240, 241 26: 1, 210, 399 1, 211, 695 1, 213, 517 1, 214, 395 1, 215, 253 1, 217, 565 1, 217, 801 1, 219, 347 1, 219, 398 1, 219, 726 1, 222, 206 1, 225, 231 1, 226, 911 1, 227, 183 1, 227, 738 1, 231, 642 1, 233, 187 1, 244, 395 1, 247, 355 1, 250, 448 28: 1, 240, 360 31: 1, 232, 930 1, 241, 912 1, 246, 390 1, 248, 598 32: 1, 213, 882 1, 217, 010 1, 222, 262 1, 224, 308 1, 224, 606 1, 227, 849 1, 228, 420 1, 232, 234 1, 232, 488 1, 232, 890 1, 238, 531 1, 239, 615 1, 242, 465 1, 243, 725 1, 243, 880 1, 249, 082 36: 1, 212, 305 1, 234, 057 45: 1, 214, 801 1, 215, 018 1, 216, 252 1, 217, 045 1, 219, 385 1, 219, 475 1, 221, 630 1, 221, 838 1, 224, 699 1, 226, 759 1, 227, 331 1, 234, 047 1, 234, 340 1, 234, 366 1, 235, 985 1, 237, 632 1, 243, 836 1, 245, 835 1, 246, 618 1, 248, 345 1, 248, 522 1, 250, 848 46: 1, 211, 233 1, 213, 452	65— 46: 1, 214, 802 1, 218, 757 1, 219, 047 1, 226, 827 1, 231, 859 1, 233, 483 1, 246, 491 1, 247, 507 1, 248, 923 47: 1, 219, 203 1, 227, 424 1, 230, 726 1, 235, 195 1, 240, 610 1, 240, 657 1, 240, 833 1, 243, 845 1, 250, 678 48: 1, 219, 510 1, 225, 037 1, 248, 608 51: 1, 213, 034 52: 1, 214, 388 1, 219, 474 1, 250, 422 1, 251, 413 53: 1, 214, 054 1, 215, 223 1, 216, 700 1, 217, 932 1, 222, 390 1, 223, 543 1, 225, 870 1, 229, 806 1, 240, 208 1, 241, 169 1, 242, 785 1, 248, 150 1, 251, 456 55: 1, 215, 333 57: 1, 213, 634 1, 221, 640 1, 226, 278 1, 229, 680 1, 231, 761 1, 237, 100 1, 238, 118 1, 246, 489 1, 251, 160 58: 1, 212, 378 1, 213, 961 1, 227, 423 1, 228, 706 59: 1, 218, 092 1, 226, 218 1, 247, 972 60: 1, 221, 641 61: R. 14, 268 1, 213, 059 1, 216, 180 1, 218, 894 1, 234, 877 1, 235, 206 63: 1, 225, 540 65: 1, 211, 171 1, 215, 834 1, 216, 061 1, 217, 373 1, 229, 226 1, 231, 316 1, 237, 504 66— 4: 1, 210, 711 1, 211, 247 1, 213, 656 1, 216, 374 1, 216, 506 1, 218, 213 1, 219, 252 1, 227, 217 1, 228, 648 1, 228, 664 1, 229, 369 1, 231, 443 1, 232, 218 1, 233, 714 1, 234, 703 1, 234, 927 1, 237, 473 1, 237, 865 1, 238, 607 1, 238, 717 1, 241, 666 5: 1, 221, 807 1, 230, 323 1, 241, 882 1, 248, 020 6: 1, 238, 314 7: 1, 212, 367 1, 212, 912 1, 226, 538 8: 1, 242, 121 9: 1, 238, 716 10: 1, 213, 214	66— 10: 1, 215, 525 1, 222, 176 1, 224, 958 1, 228, 286 1, 241, 369 1, 241, 917 1, 245, 161 12: 1, 210, 881 1, 211, 372 1, 214, 828 1, 216, 682 1, 217, 410 1, 217, 411 1, 219, 251 1, 228, 483 1, 235, 185 1, 236, 770 1, 237, 256 1, 238, 052 1, 239, 527 1, 240, 250 1, 241, 328 1, 244, 503 1, 244, 673 1, 244, 991 1, 248, 206 17: 1, 210, 975 1, 214, 172 1, 235, 605 1, 243, 162 1, 247, 184 21: R. 14, 369 1, 212, 568 1, 213, 004 1, 218, 335 1, 220, 887 1, 220, 918 1, 221, 610 1, 221, 806 1, 224, 870 1, 236, 189 1, 237, 106 1, 239, 713 1, 244, 268 1, 244, 270 1, 244, 672 1, 244, 674 1, 244, 675 1, 245, 007 1, 247, 615 22: 1, 211, 872 1, 215, 411 1, 216, 900 1, 231, 566 1, 247, 972 1, 248, 744 1, 248, 745 23: 1, 210, 837 1, 210, 866 1, 216, 302 1, 218, 073 24: 1, 213, 003 1, 225, 683 1, 227, 683 1, 234, 417 1, 235, 545 1, 247, 324 1, 248, 019 1, 250, 773 25: 1, 241, 575 26: 1, 228, 085 1, 230, 322 1, 235, 155 1, 244, 269 27: 1, 230, 837 1, 232, 230 28: 1, 213, 333 30: 1, 223, 811 1, 225, 848 1, 246, 797 32: 1, 211, 021 1, 245, 546 33: 1, 218, 212 1, 245, 563 67— 4: 1: 1, 239, 801 6: 1, 235, 465 6: 1: 1, 212, 156 1, 244, 747 7: 1, 245, 837 7: 1: 1, 212, 164 10: 1: 1, 225, 647 1, 237, 337 1, 246, 374 1, 216, 824 1, 211, 891 1, 220, 979 1, 229, 742 1, 241, 159 1, 242, 234 1, 242, 488 1, 244, 130 1, 244, 382 20: 1: 1, 212, 155	67— 20: 1: 1, 212, 711 1, 216, 817 1: 1, 226, 850 23: 1, 229, 140 1, 240, 654 24: 1, 211, 156 25: 1, 237, 670 1, 247, 376 26: 1, 248, 496 27: 1, 212, 862 28: 1, 225, 261 1, 235, 282 29: 1, 220, 325 1, 223, 255 1, 251, 222 30: 1, 210, 834 31: 1, 217, 026 1, 221, 063 1, 243, 156 1, 237, 035 38: 1, 211, 163 1, 229, 043 41: 1, 216, 662 1, 220, 234 43: 1, 210, 423 1, 215, 712 1, 228, 376 47: 1, 231, 715 1, 231, 716 49: 1, 214, 139 50: 1, 212, 621 1, 228, 379 1, 231, 673 1, 234, 796 1, 238, 562 53: 1, 218, 889 1, 230, 137 1, 250, 145 58: 1, 212, 571 63: 1, 235, 268 65: 1, 227, 315 1, 241, 125 1, 247, 518 1, 247, 804 70: 1, 216, 511 72: 1, 214, 737 1, 221, 533 1, 225, 239 75: 1, 211, 226 77: 1, 235, 224 78: 1, 211, 354 1, 240, 475 79: 1, 225, 474 87: 1, 213, 463 1, 250, 627 88: 1, 251, 343 94: 1, 222, 627 1, 239, 372 1, 244, 051 96: 1, 215, 153 98: R. 14, 241 R. 14, 242 99: 1, 227, 259 100: 1, 250, 726 103: 1, 227, 260 111: 1, 210, 769 113: 1, 246, 537 115: 1, 218, 089 1, 219, 627 1, 221, 258 1, 234, 420 1, 235, 155 1, 247, 638 1, 250, 984 116: 1, 227, 086 1, 234, 018 117: 1, 224, 586 1, 251, 271 119: 1, 211, 583 121: 1, 221, 660 1, 225, 012 1, 211, 312 1, 214, 469 1, 217, 336 1, 220, 514 1, 220, 713 1, 225, 766 1, 226, 583 1, 230, 186 1, 232, 317 1, 233, 280 1, 235, 352 1, 238, 700 1, 241, 892 1, 242, 867 1, 246, 406 1, 248, 173 1, 251, 119 1, 251, 149 5: 1, 211, 521 1, 216, 519
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68— 5: 1,231,631	68— 20: 1,226,283	68— 32: 1,224,541	70— 16: 1,239,183	70— 45: 1,213,040	70— 74: 1,240,403
1,233,639	1,227,065	1,226,331	1,242,443	1,241,192	1,248,952
6: 1,225,043	1,228,149	1,229,626	1,243,518	1,242,301	75: 1,210,695
1,226,539	1,230,231	1,230,228	1,244,404	1,243,364	1,243,952
1,228,945	21: 1,210,395	1,231,467	1,245,049	46: 1,212,599	76: 1,221,534
1,249,975	1,213,778	1,238,938	1,246,588	1,212,823	78: 1,210,810
9: 1,210,402	1,214,297	1,239,045	1,248,293	1,214,419	80: 1,232,248
1,210,485	1,214,574	1,240,751	18: 1,212,381	1,218,065	1,235,075
1,211,034	1,245,758	1,247,894	1,214,109	1,224,021	1,247,251
1,214,196	1,250,528	1,250,171	1,217,012	1,226,257	1,216,401
1,216,507	23: 1,243,551	1,251,301	1,229,731	1,228,445	1,227,380
1,218,609	24: 1,213,704	34: 1,210,932	1,241,636	1,232,792	82: 1,213,471
1,220,510	26: 1,213,602	1,214,182	1,222,082	1,234,212	1,225,313
1,220,590	1,215,176	1,215,175	1,222,920	1,239,240	1,225,861
1,220,591	1,218,639	1,220,215	1,245,052	1,239,244	1,234,186
1,220,619	1,218,863	1,222,242	1,250,668	1,243,936	1,239,725
1,220,620	1,219,090	1,230,265	23: 1,219,931	1,244,450	1,243,468
1,225,121	1,237,726	1,232,982	1,244,625	1,249,738	83: 1,214,092
1,226,246	1,238,230	1,237,967	1,250,119	47: 1,230,387	1,222,649
1,228,066	1,241,216	1,237,997	1,241,754	1,241,754	1,230,073
1,228,466	27: 1,213,263	1,243,216	27: 1,217,146	1,243,596	1,231,278
1,228,689	1,216,653	1,244,314	1,228,109	1,244,304	1,234,132
1,229,366	1,218,098	1,246,884	1,234,488	49: 1,211,549	1,234,655
1,230,389	1,218,781	1,250,626	1,241,347	1,214,018	1,236,728
1,230,984	1,219,400	35: 1,214,584	28: 1,211,022	1,230,021	1,237,782
1,232,555	1,232,555	1,215,340	1,213,899	1,234,661	1,240,316
1,232,725	1,232,549	1,225,319	1,215,376	1,237,522	1,244,104
1,233,293	1,235,809	1,226,988	1,216,034	1,238,876	1,248,078
1,233,305	1,245,941	37: 1,211,129	1,216,314	1,251,002	1,249,052
1,235,207	1,251,053	1,215,338	1,220,448	50: 1,210,640	87: 1,245,939
1,238,875	28: 1,211,197	1,247,368	1,221,954	1,221,322	90: 1,211,013
1,238,891	1,211,385	76: 1,239,552	1,224,265	1,228,253	1,211,064
1,244,653	1,235,732	1: 1,227,221	1,226,000	1,230,740	1,211,217
1,245,149	1,245,999	1.5: 1,219,026	1,226,120	1,232,182	1,211,674
1,245,230	29: 1,211,298	2: 1,218,369	1,227,863	1,238,345	1,211,835
1,245,314	1,211,359	7: 1,234,950	1,233,674	1,210,807	1,213,288
1,245,562	1,211,360	8: 1,225,790	1,235,560	52: 1,243,433	1,215,323
1,245,571	1,217,915	1,229,277	1,236,255	53: 1,212,767	1,215,465
1,245,989	1,218,411	1,230,332	1,240,242	1,214,441	1,215,837
1,249,267	1,235,950	9: 1,214,683	1,241,671	1,217,751	1,215,871
1,250,420	1,237,066	9.5: 1,218,614	1,242,376	1,217,802	1,216,351
1,250,955	1,237,806	1,218,673	1,245,057	1,219,707	1,216,660
1,251,384	1,237,839	1,230,875	1,245,554	1,224,502	1,216,871
10: 1,213,235	1,240,093	1,232,428	29: 1,212,117	1,228,264	1,217,419
1,213,475	1,240,118	1,247,780	1,213,451	1,231,524	1,218,013
1,214,334	1,247,561	12: 1,225,900	1,215,013	1,232,477	1,218,336
1,215,452	1,249,402	13: 1,217,527	1,215,888	1,232,945	1,218,540
1,217,368	1,250,193	1,232,716	1,219,318	1,235,463	1,218,856
1,221,457	1,250,929	14: 1,238,088	1,220,939	1,237,461	1,218,932
1,221,592	30: 1,223,559	15: 1,224,527	1,224,228	1,238,247	1,219,106
1,223,137	1,228,972	1,224,918	1,233,147	1,238,435	1,219,789
1,223,663	1,234,076	16: 1,210,815	1,236,979	1,238,596	1,220,462
1,226,987	1,234,920	1,236,425	1,238,416	1,239,222	1,220,996
1,227,640	1,235,101	1,236,963	1,241,613	1,240,114	1,221,882
1,228,084	1,238,954	21: 1,214,173	1,242,085	1,240,146	1,221,993
1,228,869	1,239,686	2: 1,232,163	1,242,750	1,240,854	1,221,994
1,233,607	1,243,563	3: 1,210,967	1,244,872	1,240,981	1,222,085
1,234,569	1,243,841	1,212,372	1,245,367	1,241,532	1,222,456
1,235,147	31: 1,211,797	1,214,799	1,249,710	1,242,140	1,223,052
1,239,928	1,217,025	1,217,668	1,250,027	1,242,848	1,223,236
1,242,451	1,224,024	1,222,367	31: 1,211,177	1,244,064	1,223,825
1,244,520	1,234,658	1,222,549	1,221,703	1,246,037	1,223,888
1,245,906	1,238,319	1,223,651	1,224,129	1,246,356	1,224,258
1,246,695	1,240,037	1,226,080	1,231,486	1,246,610	1,224,440
1,248,504	1,243,697	1,227,048	1,238,152	1,249,440	1,225,697
11: 1,214,367	1,248,548	1,227,590	1,248,373	1,249,471	1,227,644
1,219,591	32: 1,211,593	1,229,686	42: 1,210,911	1,250,996	1,229,520
1,221,939	1,211,701	1,229,851	1,211,437	1,250,997	1,230,449
1,239,176	1,211,702	1,234,133	1,214,071	1,251,436	1,230,799
1,239,298	1,213,491	1,239,718	1,214,148	1,231,125	1,231,125
12: 1,211,261	1,215,339	1,241,831	1,215,286	1,229,269	1,235,653
1,220,654	1,216,409	1,245,409	1,215,649	1,236,402	1,236,913
1,228,081	1,217,642	6: 1,237,948	1,215,696	1,238,048	1,236,914
1,246,676	1,219,457	1,243,025	1,215,752	1,238,134	1,243,941
13: 1,234,503	1,219,523	1,243,826	1,215,843	1,238,617	1,244,893
15: 1,211,723	1,220,042	7: 1,223,477	1,216,584	1,240,760	1,248,200
1,217,636	1,220,043	1,241,447	1,216,697	1,241,914	1,250,313
1,220,135	1,220,044	8: 1,243,350	1,218,789	1,247,150	1,214,596
1,227,840	1,220,045	9: 1,237,115	1,218,845	1,222,230	1,215,686
1,244,120	1,220,046	11: 1,244,394	1,221,685	55: 1,222,230	1,229,318
18: 1,210,634	1,220,047	1,213,691	1,223,455	1,236,945	1,229,319
1,213,202	1,220,048	14: 1,213,092	1,223,898	1,251,129	1,229,332
1,220,308	1,220,049	1,215,470	1,230,006	58: 1,237,906	1,229,333
1,224,963	1,220,050	1,227,425	1,230,774	63: 1,219,250	1,229,334
1,225,329	1,220,112	1,227,684	1,235,885	1,251,365	1,229,335
1,234,498	1,220,113	1,228,172	1,236,810	64: 1,212,569	1,232,034
1,239,600	1,220,114	1,228,601	1,242,224	1,215,992	1,234,519
1,243,413	1,220,115	1,235,707	1,246,350	1,221,180	1,236,881
1,246,943	1,220,116	1,242,401	1,249,472	1,221,932	1,237,103
1,247,079	1,220,117	1,243,618	1,249,553	1,223,110	1,246,383
1,248,085	1,220,118	1,250,019	1,221,933	1,245,302	92: 1,220,315
19: 1,211,436	1,220,119	15: 1,214,227	1,222,396	1,246,490	1,243,016
1,211,813	1,220,120	1,233,672	1,242,749	65: 1,235,098	1,216,752
1,215,405	1,220,121	1,238,924	1,250,522	1,242,257	1,216,859
1,217,626	1,220,125	1,245,617	1,242,462	1,247,316	1,221,115
1,217,656	1,220,126	1,245,734	1,229,144	67: 1,225,171	1,232,035
1,220,697	1,220,127	1,250,650	1,229,564	71: 1,235,614	1,233,733
1,221,174	1,221,943	1,221,943	1,229,804	1,235,615	1,235,806
1,226,183	1,222,161	1,217,798	1,243,325	1,235,615	1,235,616
1,228,387	1,222,240	1,220,941	1,250,736	72: 1,251,177	1,241,787
1,235,011	1,224,053	1,223,366	1,251,207	74: 1,213,827	1,244,264
1,240,205	1,224,054	1,227,916	1,212,299	1,221,132	96: 1,246,472
20: 1,213,048	1,224,055	1,233,295		1,235,427	97: 1,217,077

Classification of patents—Continued.

70—	97: 1,233,440 98: 1,215,520 1,219,075 1,219,076 1,234,739 1,240,719 99: 1,219,046 1,225,255 1,231,216 1,235,167 1,237,034 1,239,665 1,239,966 1,245,026 1,248,310 100: 1,227,143 1,232,902 1,234,640 1,237,289 101: 1,232,674 102: R. 14,379 1,210,826 1,211,284 1,212,043 1,213,155 1,213,651 1,216,286 1,216,414 1,216,765 1,217,158 1,217,249 1,221,508 1,222,821 1,223,389 1,223,713 1,226,706 1,229,709 1,230,722 1,232,157 1,232,302 1,234,786 1,241,300 1,243,548 1,247,397 1,248,516 1,250,574 1,251,124 105: 1,233,145 1,235,772 1,249,460 108: 1,222,545 1,223,928 1,226,895 1,240,838 1,240,839 1,243,151 1,246,287 110: 1,248,561 112: 1,217,392 1,222,145 1,223,983 1,239,010 1,241,435 113: 1,218,084 1,219,490 1,224,168 1,224,569 1,224,595 1,227,826 1,231,157 1,234,454 115: 1,214,042 1,214,687 1,214,731 1,215,469 1,215,841 1,218,043 1,229,207 1,229,962 1,231,978 1,237,526 1,250,352 1,251,231 116: 1,211,931 1,214,489 1,225,950 1,229,845 1,232,525 1,237,382 1,241,657 1,245,132 1,247,106 1,247,182 118: 1,235,946 1,244,910 -119: 1,220,210 1,230,920 1,237,602 1,240,578 120: 1,213,105 1,244,443 121: 1,212,905 1,231,421	70—	121: 1,234,286 122: 1,239,292 126: 1,225,130 1,226,241 1,226,467 1,228,123 1,232,746 1,233,788 1,239,374 1,241,239 1,244,154 1,250,575 1,251,243 127: 1,245,124 128: 1,233,785 1,233,786 1,233,787 1,233,790 1,235,034 1,235,035 1,240,346 1,242,256 1,244,857 1,247,202 1,247,512 1,247,532 1,248,011 1,250,122 1,250,711 129: 1,226,720 1,228,633 1,230,907 1,231,050 1,234,023 1,234,369 1,236,098 1,236,124 1,236,889 1,237,683 1,237,753 1,241,471 1,244,237 1,247,594 1,247,896 1,248,204 1,248,620 1,250,127 1,250,207 130: 1,237,770 131: 1,235,730 1,235,863 1,238,557 1,248,126 132: 1,232,872 1,210,408 6: 1,218,573 1,221,979 1,228,567 7: 1,214,008 1,214,346 1,222,112 1,229,684 1,235,025 1,236,812 1,246,636 1,247,059 8: 1,217,051 1,218,678 9: 1,212,196 1,212,484 1,212,573 1,225,825 1,228,361 1,232,032 1,232,446 1,232,452 1,232,553 1,237,197 1,249,739 10: 1,235,906 1: 1,231,998 1,231,607 1,243,281 1,249,031 6: 1,214,418 1,227,928 1,228,278 1,229,002 1,231,091 1,232,607 1,236,053 1,242,012 1,242,420 1,246,872 1,249,970 7: 1,212,519 1,216,085 1,216,649 1,219,725 1,223,374 1,234,740 1,237,823	72—	7: 1,240,100 1,242,344 1,243,492 1,244,109 1,247,338 9: 1,213,478 11: 1,222,411 13: 1,221,728 15: 1,213,483 1,217,536 1,217,645 1,223,529 1,238,726 1,244,641 1,248,049 1,250,588 15.5: 1,227,820 1,242,614 1,243,484 16: 1,213,188 1,215,115 1,222,174 18: 1,225,908 19: 1,241,885 21: 1,214,826 29: 1,226,214 1,232,942 1,233,508 1,240,492 1,241,788 30: 1,228,417 36: 1,227,767 37: 1,250,971 38: 1,216,550 1,224,757 1,225,576 1,234,981 1,236,387 1,236,483 1,242,087 39: 1,214,963 1,214,964 1,227,599 1,246,926 1,248,204 1,250,294 1,250,295 40: 1,251,019 41: R. 14,414 1,212,417 1,215,149 1,234,990 1,241,350 1,241,797 44: 1,240,690 46: 1,226,684 1,238,658 51: 1,216,317 1,219,663 1,223,266 1,238,475 52: 1,212,452 1,213,916 1,220,305 1,230,383 1,237,615 53: 1,226,954 1,241,323 55: 1,248,643 56: 1,225,485 59: 1,227,418 61: 1,212,759 63: 1,226,788 64: 1,235,054 1,250,855 65: 1,242,669 66: 1,214,442 1,215,106 1,217,535 1,217,985 1,218,999 1,219,532 1,231,348 1,239,503 1,241,793 1,243,000 1,244,663 1,250,254 1,251,150 67: 1,244,467 68: 1,229,904 1,241,187 1,244,328 70: 1,221,150 1,221,151 71: 1,218,385 1,224,375 1,233,053 1,235,636 1,245,395 1,247,865 75: 1,236,209 76.5: 1,213,437	72—	76.5: 1,249,442 77: 1,217,128 1,229,364 1,230,373 1,230,475 79: 1,223,735 1,226,444 80: 1,247,750 81: 1,211,164 1,213,441 1,225,385 1,225,855 1,236,556 1,245,289 82: 1,234,601 83: 1,243,933 84: 1,234,893 85: 1,215,872 1,244,652 95: 1,241,824 96: 1,219,614 1,234,013 98: 1,229,293 1,240,121 99: 1,229,631 101: 1,211,525 1,226,045 1,241,470 1,243,367 105: 1,210,451 1,212,990 1,218,211 1,218,378 1,219,762 1,223,595 1,223,939 1,227,627 1,229,287 1,230,603 1,231,010 1,234,176 1,234,177 1,234,178 1,234,179 1,240,993 1,241,827 1,244,034 1,244,992 1,245,414 1,248,440 106: 1,243,235 108: 1,229,070 1,231,433 1,246,538 1,250,202 1,251,276 109: 1,210,560 1,242,039 1,251,020 110: 1,228,789 1,239,649 111: 1,247,862 114: 1,213,589 115: 1,211,562 1,250,966 116: R. 14,352 1,232,522 1,245,198 117: 1,210,849 118: 1,217,603 1,234,903 1,242,609 1,246,585 1,250,537 1,251,151 121: 1,212,740 1,247,627 122: 1,213,919 1,214,790 1,237,159 1,240,137 1,247,554 124: 1,224,077 1,230,400 128: 1,227,308 1,230,093 1,240,507 130: 1,222,586 136: 1,212,826 1,216,908 1,229,630 1,239,671 1,249,580 137: 1,216,915 1,228,890 1,242,479 1,242,913 138: 1,216,389 1: 1,212,290 1,212,729 1,221,179 1,223,875 1,228,467	73—	1: 1,228,656 1,230,583 1,232,027 1,238,453 1,238,463 1,241,170 1,244,340 1,246,613 1,250,176 2: 1,236,296 1,240,790 3: 1,212,027 1,236,686 5: 1,244,485 8: 1,239,457 15: 1,210,970 1,211,026 1,211,820 1,212,751 1,216,463 21: 1,215,988 1,223,544 1,228,078 1,235,090 1,238,058 23: 1,215,638 1,232,983 1,236,532 24: 1,231,529 1,243,671 28: 1,218,726 1,223,593 1,235,200 1,242,869 29: 1,213,168 1,213,318 1,213,987 1,238,370 30: 1,213,620 1,222,787 1,234,392 31: 1,216,831 1,217,074 1,220,488 1,225,883 1,228,325 1,236,524 32: R. 14,280 1,227,337 1,228,678 1,228,803 1,232,408 1,234,203 1,238,468 1,245,609 37: 1,224,654 1,241,814 1,247,583 41: 1,236,166 44: 1,213,984 1,225,395 1,240,123 46: 1,210,644 1,215,594 1,217,334 1,232,960 1,233,124 1,234,430 1,237,706 1,239,481 50: 1,232,413 1,236,123 51: 1,211,598 1,211,942 1,217,735 1,218,060 1,218,154 1,218,253 1,219,594 1,220,037 1,222,289 1,222,392 1,222,590 1,222,817 1,223,377 1,224,142 1,224,321 1,225,627 1,226,762 1,226,998 1,228,820 1,231,045 1,231,580 1,233,177 1,233,222 1,233,343 1,236,064 1,236,067 1,236,706 1,237,127 1,239,013 1,239,014 1,241,849	73—	51: 1,243,345 1,244,023 1,244,245 1,250,101 52: 1,210,513 1,213,939 1,216,827 1,218,031 1,218,327 1,220,150 1,220,635 1,225,570 1,228,164 1,229,704 1,230,035 1,233,385 1,240,813 1,242,100 1,247,426 1,247,440 54: 1,210,467 1,213,986 1,216,544 1,217,693 1,218,525 1,218,661 1,223,456 1,224,752 1,225,604 1,227,196 1,227,305 1,227,728 1,229,289 1,229,848 1,232,574 1,234,191 1,234,597 1,234,924 1,238,127 1,239,304 1,240,251 1,241,384 1,242,081 1,242,176 1,246,270 1,246,752 1,247,855 1,249,886 1,250,056 1,250,300 1,250,321 1,250,664 55: 1,219,126 56: 1,217,687 62: 1,217,588 1,242,032 68: 1,226,158 1,245,740 1,247,330 82: R. 14,314 1,211,482 1,216,744 1,224,713 1,225,108 1,225,178 1,226,618 1,231,300 1,231,339 1,231,774 1,233,065 1,233,338 1,236,347 1,237,426 1,237,478 1,238,231 1,247,256 1,249,010 98: 1,215,177 1,228,693 1,238,203 99: 1,211,881 100: 1,237,361 101: 1,214,745 1,241,672 102: 1,213,934 103: 1,211,057 104: 1,213,294 1,213,296 1,237,365 1,240,084 109: 1,221,548 1,222,315 1,233,297 1,238,109 110: 1,234,126 1,239,565 111: 1,219,865 1,220,272 1,224,786 1,226,828 1,230,527 1,250,414
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73—	119:	1,224,896 1,224,897 1,235,623 1,242,215 1,210,689 1,213,355 1,213,605 1,237,332 1,230,225 1,239,978 1,244,693 1,214,507 1,220,808 1,233,014 1,226,484 1,237,735 1,249,626 1,211,794 1,212,149 1,212,150 1,214,853 1,215,129 1,215,135 1,215,533 1,215,669 1,215,674 1,217,899 1,218,643 1,218,717 1,221,726 1,222,492 1,229,718 1,234,774 1,238,498 1,239,601 1,240,325 1,240,737 1,243,682 1,243,683 1,243,842 1,243,843 1,244,113 1,246,799 1,248,057 1,248,058 1,249,435 1,249,484 1,249,601 1,249,614 1,250,238 1,234,123 1,220,142 1,223,764 1,230,851 1,238,886 1,239,569 1,240,431 1,241,501 1,224,289 1,243,791 1,246,354 1,247,158 1,248,473 1,216,427 1,247,693 1,249,991 1,217,050 1,219,302 1,245,688 1,247,998 1,210,559 1,212,440 1,215,062 1,216,956 1,219,249 1,224,879 1,225,782 1,228,730 1,229,301 1,235,110 1,235,187 1,237,604 1,241,674 1,246,238 1,250,271 R. 14, 292 1,211,517 1,211,529 1,211,605 1,214,325 1,219,231 1,220,853 1,222,540 1,222,969 1,223,346 1,224,835 1,225,267 1,225,558 1,225,931 1,227,741 1,231,015 1,232,101 1,232,728	74—	5:	1,237,125 1,237,666 1,239,020 1,240,370 1,240,562 1,240,715 1,240,801 1,241,728 1,244,945 1,245,587 1,247,603 1,248,832 1,250,456 1,211,488 1,218,689 1,218,719 1,222,032 1,230,205 1,233,485 1,234,978 1,235,153 1,244,396 1,248,124 R. 14, 327 1,210,458 1,211,072 1,212,175 1,212,385 1,212,814 1,213,238 1,213,303 1,214,039 1,215,413 1,215,568 1,217,654 1,217,917 1,217,918 1,219,452 1,219,498 1,219,455 1,219,560 1,220,289 1,220,767 1,220,802 1,220,811 1,220,903 1,222,097 1,224,042 1,224,124 1,224,746 1,224,781 1,225,102 1,225,202 1,225,355 1,226,454 1,226,455 1,226,456 1,226,559 1,227,517 1,227,584 1,227,688 1,227,899 1,228,493 1,228,724 1,229,776 1,229,883 1,230,454 1,231,638 1,231,682 1,233,026 1,233,748 1,234,194 1,236,222 1,236,547 1,236,803 1,237,018 1,238,168 1,238,659 1,238,730 1,238,958 1,240,420 1,240,422 1,240,748 1,241,015 1,241,457 1,241,855 1,242,485 1,242,587 1,242,803 1,242,959 1,243,223 1,243,607 1,243,677 1,244,003 1,244,206 1,244,207 1,244,482 1,244,956 1,245,168 1,245,452 1,245,565 1,245,804 1,246,103	74—	7:	1,246,664 1,246,674 1,247,138 1,247,558 1,247,793 1,248,154 1,248,396 1,248,549 1,249,598 1,250,269 1,250,700 1,251,379 1,213,509 1,220,784 1,221,709 1,222,896 1,224,334 1,225,113 1,225,932 1,226,896 1,228,035 1,229,837 1,230,876 1,230,921 1,231,514 1,237,515 1,237,950 1,238,915 1,240,230 1,240,512 1,241,134 1,242,744 1,244,076 1,244,848 1,246,122 1,246,326 1,248,655 1,250,109 1,251,108 R. 14, 263 1,210,846 1,210,986 1,212,692 1,212,693 1,216,424 1,217,774 1,219,380 1,225,517 1,228,203 1,228,673 1,229,411 1,231,601 1,235,428 1,238,075 1,241,759 1,241,887 1,243,338 1,250,656 1,211,327 1,211,409 1,212,238 1,213,850 1,215,187 1,215,439 1,215,502 1,215,503 1,215,521 1,216,483 1,218,771 1,219,093 1,219,757 1,221,760 1,222,727 1,223,006 1,223,283 1,223,509 1,223,774 1,225,442 1,225,960 1,226,430 1,227,388 1,227,593 1,228,641 1,229,508 1,230,682 1,231,055 1,231,136 1,231,918 1,232,793 1,233,326 1,233,327 1,233,328 1,233,924 1,234,742 1,234,771 1,234,895 1,235,402 1,236,325 1,237,598 1,237,736 1,238,038 1,238,305 1,239,046	74—	14:	1,239,169 1,239,297 1,239,612 1,239,900 1,239,909 1,240,204 1,240,426 1,241,697 1,241,896 1,242,004 1,242,765 1,243,488 1,243,586 1,243,882 1,246,646 1,246,977 1,247,549 1,247,726 1,248,233 1,248,261 1,248,323 1,248,505 1,249,094 1,249,423 1,251,154 1,213,016 1,246,555 1,211,763 1,212,868 1,213,819 1,215,805 1,218,074 1,218,424 1,218,572 1,218,631 1,220,595 1,221,015 1,223,833 1,224,690 1,225,756 1,226,364 1,226,447 1,226,978 1,227,371 1,229,968 1,231,110 1,231,745 1,231,900 1,233,228 1,233,254 1,235,839 1,238,852 1,239,543 1,240,493 1,243,031 1,241,504 1,242,090 1,242,492 1,244,669 1,245,051 1,245,416 1,245,083 1,245,714 R. 14, 376 1,211,484 1,212,395 1,216,445 1,216,508 1,216,769 1,219,521 1,220,310 1,221,638 1,222,268 1,223,524 1,224,286 1,225,174 1,225,199 1,225,308 1,225,524 1,226,688 1,228,166 1,231,249 1,231,722 1,232,540 1,232,600 1,232,829 1,233,487 1,233,612 1,237,135 1,237,163 1,239,608 1,241,118 1,243,347 1,245,379 1,247,290 1,247,291 1,247,466 1,249,545 1,249,546 1,249,547 1,250,349 1,210,783 1,213,418	74—	21:	1,213,430 1,216,749 1,217,457 1,217,674 1,223,107 1,234,685 1,235,182 1,235,834 1,236,749 1,239,066 1,242,166 1,251,220 1,211,293 1,211,335 1,212,462 1,213,398 1,213,636 1,215,076 1,216,626 1,218,564 1,218,812 1,218,825 1,219,553 1,220,554 1,221,680 1,223,603 1,223,966 1,225,371 1,225,925 1,226,751 1,228,014 1,228,208 1,229,401 1,229,879 1,230,011 1,230,153 1,231,344 1,231,363 1,231,422 1,232,243 1,232,349 1,232,780 1,232,937 1,234,000 1,234,007 1,234,811 1,234,868 1,238,834 1,239,272 1,239,401 1,240,450 1,240,802 1,241,630 1,241,859 1,241,864 1,242,976 1,243,649 1,245,064 1,245,448 1,245,865 1,246,683 1,246,823 1,247,732 1,248,178 1,248,387 1,248,726 1,248,776 1,249,174 1,249,504 1,250,652 1,211,174 1,216,087 1,216,456 1,217,823 1,218,021 1,218,626 1,219,287 1,223,754 1,225,578 1,227,552 1,237,910 1,246,036 1,250,013 1,219,387 1,223,216 1,223,648 1,225,856 1,237,443 1,240,126 1,242,141 1,247,022 1,239,608 1,241,118 1,243,347 1,245,379 1,247,290 1,247,291 1,247,466 1,249,545 1,249,546 1,249,547 1,250,349 1,210,783 1,213,418	74—	31:	1,221,471 1,222,625 1,227,353 1,241,678 1,250,903 1,218,368 1,221,617 1,223,652 1,223,972 1,233,534 1,235,321 1,239,232 1,249,904 1,211,585 1,212,169 1,213,227 1,215,747 1,216,670 1,217,746 1,218,753 1,220,104 1,220,877 1,220,878 1,225,622 1,231,981 1,232,779 1,232,969 1,233,284 1,235,549 1,235,647 1,236,148 1,236,455 1,236,587 1,236,588 1,237,242 1,237,489 1,238,262 1,238,598 1,238,609 1,238,654 1,239,943 1,239,948 1,241,359 1,246,244 1,247,425 1,247,734 1,247,911 1,210,461 1,210,497 1,210,775 1,210,829 1,210,861 1,211,023 1,212,795 1,213,243 1,213,258 1,213,427 1,213,531 1,214,855 1,215,581 1,217,059 1,217,104 1,217,427 1,218,176 1,218,493 1,220,373 1,220,738 1,221,113 1,221,626 1,223,259 1,223,400 1,223,514 1,224,868 1,225,307 1,225,360 1,225,842 1,226,048 1,226,854 1,227,382 1,228,145 1,228,504 1,228,713 1,228,984 1,229,548 1,230,209 1,230,573 1,230,798 1,231,362 1,231,529 1,231,938 1,231,983 1,232,004 1,234,622 1,234,802 1,234,822 1,234,863 1,235,046 1,235,498 1,236,789 1,238,044 1,238,226 1,238,565 1,239,213
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Classification of patents—Continued.

74— 34: 1,239,252	74— 39: 1,246,288	74— 46: 1,224,890	74— 50: 1,245,308	74— 58: 1,215,047	74— 59: 1,234,462
1,239,379	1,247,799	1,225,217	1,247,175	1,215,742	1,234,966
1,239,541	1,248,907	1,225,538	1,247,352	1,215,810	1,235,047
1,239,781	1,249,755	1,225,579	51: 1,231,905	1,216,178	1,236,113
1,239,804	1,249,877	1,226,259	1,233,267	1,216,478	1,238,284
1,240,318	1,250,355	1,226,260	1,233,817	1,216,599	1,238,745
1,240,551	40: 1,212,353	1,226,297	1,245,492	1,218,750	1,239,111
1,241,361	1,213,733	1,226,587	52: 1,236,119	1,219,808	1,240,069
1,241,893	1,239,055	1,226,749	53: 1,214,884	1,220,935	1,241,184
1,242,618	1,239,193	1,226,846	1,223,339	1,221,047	1,241,803
1,242,974	1,240,332	1,227,191	1,230,064	1,221,122	1,241,895
1,243,611	1,242,205	1,227,334	1,231,070	1,221,319	1,241,924
1,244,004	1,245,876	1,227,545	1,233,036	1,223,136	1,242,659
1,244,134	1,249,299	1,227,643	1,235,633	1,223,436	1,245,987
1,244,223	1,251,087	1,228,070	1,238,361	1,223,656	1,246,049
1,244,557	41: 1,210,744	1,228,326	1,239,265	1,223,906	1,246,779
1,245,692	1,211,524	1,228,561	1,239,509	1,224,001	1,247,768
1,246,502	1,212,570	1,229,570	1,241,004	1,224,682	1,248,583
1,246,503	1,212,603	1,229,642	1,241,200	1,224,962	1,248,635
1,247,494	1,213,190	1,230,505	1,246,295	1,225,487	1,248,735
1,247,536	1,213,311	1,230,506	1,247,909	1,225,881	1,249,779
1,248,370	1,220,775	1,230,763	1,248,678	1,226,012	1,249,780
1,248,687	1,221,097	1,230,764	1,250,134	1,226,144	1,249,905
1,248,807	1,222,155	1,230,765	54: R. 14, 297	1,227,242	1,250,546
1,249,659	1,222,395	1,230,919	1,211,673	1,228,812	1,251,418
1,250,351	1,223,058	1,231,577	1,212,152	1,228,828	60: 1,217,176
1,250,386	1,224,079	1,231,826	1,212,896	1,229,088	1,239,917
1,250,967	1,225,151	1,234,008	1,214,804	1,229,206	1,246,402
35: 1,218,807	1,227,985	1,234,295	1,215,508	1,229,627	61: 1,244,383
1,226,578	1,228,265	1,234,772	1,218,491	1,229,655	1,244,384
1,231,982	1,232,327	1,235,087	1,219,087	1,230,125	62: 1,215,196
1,232,717	1,234,997	1,235,720	1,220,454	1,230,661	1,223,769
1,246,156	1,236,498	1,235,837	1,222,710	1,230,896	1,223,772
1,246,918	1,239,119	1,235,907	1,223,292	1,231,031	1,238,494
36: 1,210,494	1,245,693	1,236,529	1,229,017	1,231,655	1,249,019
1,213,576	1,246,045	1,236,530	1,229,603	1,231,880	63: 1,216,437
1,214,786	42: 1,214,911	1,236,739	1,230,637	1,232,399	1,219,151
1,216,775	43: 1,235,448	1,236,893	1,233,457	1,233,088	1,224,230
1,218,959	45: 1,211,066	1,237,024	1,233,619	1,233,414	1,225,554
1,222,222	1,212,816	1,237,025	1,235,107	1,233,500	1,228,528
1,222,265	1,216,222	1,237,046	1,236,176	1,233,548	1,250,247
1,222,278	1,221,074	1,237,635	1,236,223	1,233,945	64: 1,236,964
1,230,631	1,221,075	1,238,085	1,236,616	1,235,314	1,243,537
1,231,062	1,223,815	1,238,240	1,237,150	1,236,225	66: 1,223,513
1,231,234	1,224,091	1,238,548	1,237,597	1,236,593	1,224,203
1,231,643	1,224,092	1,239,335	1,237,803	1,237,158	1,243,337
1,232,379	1,225,009	1,239,409	1,238,520	1,237,713	69: 1,212,322
1,236,949	1,232,848	1,239,985	1,239,551	1,238,198	1,214,719
1,241,740	1,236,542	1,240,401	1,239,729	1,238,623	1,220,180
1,241,741	1,238,918	1,240,455	1,240,140	1,238,701	1,224,882
1,241,911	1,239,758	1,240,829	1,242,106	1,239,435	1,228,215
1,242,660	1,240,497	1,241,060	1,242,366	1,239,436	1,230,932
1,245,621	1,241,930	1,241,416	1,243,582	1,240,136	1,240,196
1,246,952	46: R. 14, 257	1,243,285	1,244,426	1,241,362	1,240,778
1,249,931	1,211,110	1,242,289	1,245,371	1,241,415	70: 1,221,880
37: 1,211,742	1,211,143	1,243,174	1,246,198	1,242,193	1,225,963
1,214,778	1,212,311	1,243,435	1,248,392	1,242,678	1,231,590
1,217,260	1,212,486	1,243,609	1,249,971	1,244,185	1,231,633
1,225,555	1,212,496	1,243,769	1,220,196	1,245,225	1,238,313
1,229,624	1,212,604	1,243,877	1,222,712	1,245,404	1,248,512
1,236,392	1,212,872	1,243,986	1,224,989	1,246,568	71: 1,226,832
1,245,065	1,213,199	1,244,458	1,226,321	1,247,190	1,228,297
38: 1,210,996	1,213,203	1,244,079	1,249,775	1,247,229	1,228,992
1,223,071	1,213,354	1,244,458	1,250,914	1,247,279	1,226,882
1,223,993	1,213,956	1,244,551	56: 1,213,848	1,247,509	1,228,061
1,227,188	1,214,181	1,244,550	1,213,862	1,247,829	1,232,619
1,237,869	1,214,806	1,244,636	1,215,603	1,248,817	1,233,527
1,251,389	1,214,987	1,245,522	1,218,740	1,249,347	1,236,204
39: 1,210,683	1,214,987	1,245,574	1,223,681	1,250,363	1,236,993
1,210,684	1,215,039	1,245,922	1,226,576	1,250,695	1,237,027
1,210,914	1,215,440	1,246,821	1,226,610	1,251,246	1,240,872
1,211,550	1,215,578	1,248,533	1,226,742	59: 1,210,798	1,250,592
1,212,026	1,215,750	1,248,707	1,228,079	1,212,210	79: 1,214,144
1,212,528	1,215,972	1,248,811	1,228,875	1,212,578	1,218,071
1,215,509	1,216,143	1,250,353	1,228,920	1,212,625	1,221,688
1,217,155	1,216,168	47: 1,212,016	1,229,694	1,212,626	1,222,290
1,217,875	1,216,645	1,212,980	1,231,189	1,214,369	1,222,872
1,219,344	1,217,502	1,228,350	1,232,881	1,214,648	1,224,869
1,220,790	1,217,971	48: 1,220,052	1,232,953	1,215,490	1,227,455
1,222,429	1,218,560	50: 1,211,221	1,234,292	1,215,664	1,232,148
1,223,084	1,218,988	1,214,703	1,234,353	1,217,284	1,232,281
1,223,316	1,219,379	1,216,865	1,235,068	1,217,540	1,237,188
1,225,135	1,220,785	1,218,778	1,235,370	1,218,667	1,243,379
1,225,289	1,220,786	1,220,366	1,238,454	1,222,153	1,243,889
1,226,411	1,220,787	1,220,838	1,238,590	1,222,393	1,251,111
1,226,711	1,221,285	1,220,862	1,239,915	1,222,715	81: 1,212,153
1,227,797	1,221,476	1,222,050	1,241,933	1,223,099	1,213,283
1,228,332	1,221,859	1,222,785	1,241,974	1,223,862	1,213,824
1,230,528	1,222,331	1,224,961	1,242,813	1,225,532	1,213,825
1,231,403	1,222,408	1,225,896	1,246,246	1,225,851	1,213,826
1,232,449	1,222,695	1,227,267	1,247,715	1,226,392	1,214,027
1,232,889	1,222,974	1,227,335	1,247,723	1,227,135	1,214,107
1,234,265	1,223,041	1,227,733	1,248,264	1,227,298	1,214,619
1,234,344	1,223,397	1,227,783	1,248,493	1,227,456	1,214,866
1,234,748	1,223,690	1,228,887	1,249,889	1,228,087	1,215,206
1,235,676	1,223,770	1,229,687	1,251,223	1,229,020	1,216,028
1,236,396	1,224,266	1,230,542	1,251,307	1,229,782	1,216,498
1,237,116	1,224,301	1,232,920	58: R. 14, 293	1,230,659	1,216,708
1,238,912	1,224,456	1,235,509	1,210,874	1,231,639	1,217,466
1,240,374	1,224,547	1,236,605	1,212,286	1,232,608	1,218,047
1,241,414	1,224,622	1,239,386	1,212,346	1,232,658	1,218,319
1,241,752	1,224,884	1,242,727	1,212,398	1,233,178	1,220,564
1,243,240	1,224,888	1,245,199	1,212,670	1,233,397	1,221,435

74—	81: 1,222,874 1,223,235 1,223,619 1,224,034 1,226,084 1,226,118 1,227,796 1,228,752 1,228,934 1,229,023 1,229,567 1,230,426 1,231,295 1,233,525 1,233,758 1,234,579 1,235,365 1,235,423 1,236,400 1,237,705 1,238,126 1,238,910 1,239,949 1,242,370 1,242,819 1,243,165 1,243,764 1,244,468 1,246,634 1,247,208 1,247,996 1,240,421 1,240,684 1,245,641 1,248,162 1,248,592 1,248,704 1,248,920 1,249,122 1,249,260 1,249,688 1,250,830 84: 1,212,140 1,225,726 85: 1,211,582 1,216,218 1,216,955 1,217,248 1,217,546 1,218,569 1,218,986 1,219,223 1,221,419 1,222,147 1,222,413 1,222,802 1,222,923 1,223,355 1,226,306 1,226,459 1,229,133 1,229,540 1,238,602 1,249,679 87: 1,223,112 1,228,312 1,234,805 1,237,414 1,245,324 1,251,239 89: 1,216,032 90: 1,246,312 93: 1,210,979 1,221,495 1,224,651 1,225,652 94: 1,221,757 95: 1,234,334 97: 1,213,794 1,225,222 1,230,856 1,233,043 1,237,409 1,244,629 1,247,834 98: 1,214,102 99: R. 14,398 1,246,155 1,248,739 100: 1,248,442 104: 1,234,979 1,245,202 105: 1,234,723 1,236,146 1,244,097 1,246,834 1,250,168 106: 1,248,697 190: 1,243,720 75— 1: 1,210,625 1,210,626 1,210,627 1,211,826	75— 1: 1,211,943 1,212,374 1,213,973 1,214,579 1,215,138 1,215,678 1,217,184 1,217,578 1,217,710 1,217,711 1,221,769 1,221,873 1,221,874 1,222,158 1,223,001 1,223,002 1,224,362 1,224,941 1,227,174 1,228,017 1,229,037 1,229,770 1,229,960 1,233,118 1,233,862 1,234,547 1,235,872 1,236,384 1,239,195 1,239,465 1,239,785 1,239,854 1,240,054 1,240,055 1,240,056 1,241,971 1,243,062 1,244,742 1,245,552 1,246,571 1,247,206 1,247,252 1,247,977 1,248,621 1,248,648 1,248,924 1,248,925 1,251,341 14: 1,216,109 17: 1,217,913 1,217,914 1,218,412 1,223,567 1,224,014 1,224,242 1,227,127 1,228,650 1,230,143 1,235,655 1,235,969 1,238,276 1,238,604 1,239,157 1,241,796 1,243,681 1,245,183 1,248,503 18: R. 14,298 1,210,724 1,212,334 1,217,437 1,218,996 1,224,011 1,226,190 1,226,611 1,227,615 1,228,119 1,230,078 1,231,101 1,234,391 1,234,390 1,235,598 1,235,954 1,236,046 1,236,236 1,236,504 1,237,220 1,237,221 1,237,765 1,238,298 1,238,951 1,239,282 1,241,966 1,244,811 1,245,137 1,245,557 1,247,413 1,248,948 19: 1,225,925 1,248,501 1,250,621 27: 1,213,806 1,231,259	75— 27: 1,249,075 45: 1,216,306 1,220,416 1,231,260 46: 1,217,972 1,220,081 1,223,030 1,233,970 49: 1,226,667 1,238,409 50: 1,215,065 1,220,349 54: 1,232,216 58: 1,220,843 60: 1,215,672 1,222,252 62: 1,231,349 65: 1,247,667 67: 1,245,634 73: 1,221,962 1,222,893 1,233,144 1,233,394 1,238,022 75: 1,233,862 153: 1,211,805 1,215,006 1,231,083 1,233,652 1,236,395 1,249,061 185: 1,222,789 1,224,917 1,234,426 1,236,501 187: 1,224,418 1,225,764 1,245,862 1,237,643 1,239,677 1,211,483 1,212,576 1,214,077 1,214,604 1,216,608 1,219,477 1,219,478 1,223,975 5: 1,230,303 1,232,235 1,233,723 1,251,434 12: 1,242,710 17: 1,221,845 25: 1,217,095 1,222,195 1,228,650 27: 1,228,990 30: 1,216,299 31: 1,229,450 1,232,476 32: 1,210,697 1,220,145 1,220,894 1,223,131 1,248,715 35: 1,224,293 36: 1,223,191 37: 1,210,723 1,250,880 40: 1,227,556 1,245,430 41: 1,221,343 45: 1,217,889 46: 1,222,188 1,230,166 1,250,925 47: 1,219,603 1,237,892 1,242,726 48: 1,243,731 59: 1,238,500 60: 1,221,040 1,239,779 63: 1,226,514 64: 1,239,217 1,242,348 65: 1,217,697 66: 1,217,822 1,241,772 69: 1,223,923 70: 1,213,267 1,248,016 77: 1,216,137 78: 1,216,800 1,217,004 1,220,108 1,230,805 1,239,709 82: 1,226,675 1,242,011 83: 1,219,004 87: 1,215,591	76— 101: 1,214,671 1,221,195 1,224,273 103: 1,224,853 104: 1,212,969 107: 1,226,609 107.6: 1,219,472 1,237,238 1,250,403 1,250,404 108: 1,229,790 109: 1,220,060 112: 1,250,377 77— 1: 1,249,642 1,249,794 2: 1,210,843 1,230,020 1,241,543 3: 1,230,034 1,233,994 1,238,478 4: 1,220,399 1,238,362 5: 1,211,621 1,248,276 1,250,362 6: 1,214,680 1,216,047 1,219,190 1,249,045 8: 1,213,350 1,215,978 1,243,187 1,246,144 9: 1,213,306 1,221,708 18: 1,249,584 19: 1,218,041 20: 1,242,029 22: 1,228,110 1,249,379 23: 1,248,750 24: 1,210,450 1,212,472 1,225,235 1,237,017 1,246,250 25: 1,238,929 28: 1,230,386 32: 1,217,911 1,227,828 1,247,341 33: 1,216,689 1,219,803 1,231,721 1,240,158 34: 1,233,344 42: 1,216,284 48: 1,241,428 55: R. 14,311 1,222,466 1,225,209 1,229,601 1,243,100 56: 1,229,867 1,231,347 1,237,185 1,241,073 57: 1,217,481 58: 1,218,992 1,225,745 1,226,164 1,230,569 1,232,411 1,246,607 1,249,839 1,251,139 1,251,140 59: 1,231,438 1,245,360 1,251,046 61: 1,212,634 1,241,175 1,241,176 1,250,450 62: 1,210,942 1,217,572 1,233,813 1,235,031 1,237,143 1,244,112 63: 1,222,506 1,225,599 1,228,053 1,246,005 65: 1,221,247 66: 1,229,565 68: 1,238,537 69: 1,232,926 1,240,553 72: 1,217,834 1,218,862 1,223,938	77— 72: 1,249,240 73: 1,228,951 1,235,074 75: 1,210,903 1,217,833 1,233,044 1,233,045 1,233,683 1,234,003 1,241,953 1,243,502 75.5: 1,210,904 1,240,311 1,244,227 1,246,245 1,250,630 76: 1,210,391 1,214,649 1,217,256 1,241,668 78— 7: 1,211,333 1,242,647 9: 1,244,741 1,244,803 1,251,128 13: 1,232,974 1,236,533 15: 1,233,343 17: 1,224,018 18: 1,224,805 1,224,829 1,234,654 26: 1,236,632 27: 1,221,421 1,224,471 1,228,962 29: 1,225,695 1,246,182 1,246,183 1,246,185 30: 1,242,052 34: 1,216,166 1,246,170 1,248,576 37: 1,246,184 40: 1,225,046 42: 1,238,785 1,239,862 44.5: 1,211,036 1,211,219 1,211,417 1,219,140 1,230,802 1,232,585 1,233,560 46: 1,211,554 1,230,563 1,248,355 47: 1,220,190 48: 1,251,266 49: 1,225,995 1,235,873 1,241,250 51: 1,223,522 1,226,174 53.5: 1,247,380 1,250,645 56: 1,213,099 60: 1,213,878 1,231,324 1,231,470 1,247,524 81: 1,231,323 1,225,074 84: 1,218,751 88: 1,210,531 1,227,482 89: 1,217,221 92: 1,229,774 94: 1,242,589 96: 1,219,317 98: 1,218,143 100: 1,246,168 103: 1,236,044 148: 1,215,775 79— 1: 1,219,455 1,241,467 1,242,644 3: 1,214,481 1,235,213 4: 1,218,742 5: 1,251,078 8: 1,225,599 11: 1,220,751 16: 1,226,464 1,230,688 1,233,613 80— 1: 1,212,534 1,212,535 1,217,750 1,224,839 1,238,002 2: 1,226,435	80— 5: 1,221,029 1,233,647 9: 1,232,875 1,232,876 13: 1,211,070 1,234,245 1,240,513 14: 1,213,539 16: 1,235,514 1,240,913 1,240,914 1,240,915 1,240,916 1,240,917 1,240,916 1,241,482 1,243,050 1,243,051 1,243,052 1,243,053 18: 1,212,325 1,217,748 1,225,765 26: 1,230,523 29: 1,233,680 31.1: 1,248,644 33: 1,233,209 34: 1,228,433 1,229,497 35: 1,241,242 1,229,283 1,236,598 41: 1,234,899 46: 1,228,782 48: 1,217,919 1,220,754 1,239,623 51: 1,217,611 1,239,743 56: 1,218,286 58: 1,211,818 1,244,464 60: 1,229,480 1,240,919 1,247,093 62: 1,219,802 1,223,282 65: 1,212,364 1,212,365 66: 1,226,942 1: 1,222,173 3: 1,211,020 1,219,160 1,220,899 1,222,780 1,224,416 1,225,612 1,230,814 1,234,838 1,237,391 1,237,436 1,242,027 1,242,392 4: 1,242,993 5: 1,232,707 6: 1,240,783 9.5: 1,222,513 13: 1,213,756 14: 1,230,142 1,243,771 15: 1,223,679 1,225,074 1,231,103 1,234,906 1,238,959 1,243,125 1,244,984 1,247,728 1,247,729 1,250,690 17: 1,246,438 1,250,092 18: 1,220,423 19: 1,221,507 1,223,568 1,227,449 1,236,717 1,239,431 21: 1,223,073 25: 1,212,136 1,226,715 1,237,071 26: 1,242,426 1,246,563 30: 1,228,275 33: 1,211,024 1,217,910 35: 1,239,620 36: 1,229,753 38: 1,249,148 41: 1,213,270 1,216,610
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UNITED STATES PATENT OFFICE, 1917.

Classification of patents—Continued.

1239

81— 41: 1, 218, 788 1, 225, 301 1, 225, 981 1, 229, 659 1, 245, 741 1, 245, 828 1, 246, 961 43: 1, 250, 365 45: 1, 214, 448 47: 1, 216, 527 1, 222, 489 1, 231, 167 1, 243, 434 1, 251, 228 48: 1, 236, 138 53: 1, 232, 806 1, 236, 322 55: 1, 220, 937 1, 227, 877 56: 1, 245, 921 57: 1, 210, 825 58: 1, 242, 201 59: 1, 232, 358 60: 1, 214, 423 1, 223, 277 1, 234, 765 61: 1, 222, 482 1, 236, 740 62: 1, 243, 300 63: 1, 213, 583 1, 224, 223 1, 244, 596 66: 1, 217, 503 1, 237, 659 68: 1, 225, 024 70: 1, 245, 062 71: 1, 218, 522 72: 1, 227, 391 1, 231, 262 1, 251, 408 73: 1, 243, 861 74: 1, 215, 227 83: 1, 216, 886 1, 227, 372 1, 245, 169 86: 1, 244, 966 87: 1, 234, 169 88: 1, 214, 967 89: 1, 214, 473 91: 1, 215, 640 1, 218, 488 1, 218, 576 1, 219, 316 1, 225, 909 1, 231, 575 1, 243, 876 94: 1, 237, 126 97: 1, 244, 126 98: 1, 214, 588 99: 1, 238, 487 1, 241, 223 103: 1, 213, 039 1, 240, 171 105: 1, 223, 680 109: 1, 248, 494 110: 1, 243, 210 111: 1, 226, 351 1, 227, 876 1, 244, 273 112: 1, 232, 735 1, 236, 802 1, 242, 097 1, 243, 860 113: 1, 215, 726 119: 1, 224, 875 1, 226, 228 1, 247, 328 126: 1, 220, 624 1, 234, 190 1, 237, 952 1, 240, 762 1, 250, 549 127: 1, 216, 224 1, 229, 322 1, 231, 355 130: 1, 212, 063 1, 230, 656 134: 1, 219, 469 1, 223, 706 1, 245, 581 1, 249, 587 135: 1, 227, 396 138: 1, 250, 082 139: 1, 216, 308 1, 234, 422 140: 1, 221, 101 143: 1, 220, 913 145: 1, 215, 896 146: 1, 239, 156 149: 1, 245, 035 152: 1, 237, 122 157: 1, 228, 850	81— 158: 1, 244, 172 159: 1, 233, 694 1, 237, 177 162: 1, 221, 577 165: 1, 218, 316 1, 239, 883 1, 246, 447 175: 1, 239, 936 177: 1, 211, 783 1, 217, 217 1, 243, 506 1, 246, 000 1, 248, 025 178: 1, 212, 287 1, 214, 973 180: 1, 213, 008 1, 231, 131 183: 1, 213, 351 1, 224, 801 186: 1, 245, 754 187: 1, 244, 299 189: 1, 210, 457 1, 215, 120 1, 215, 121 191: 1, 215, 623 192: 1, 217, 305 1, 242, 931 1, 244, 874 193: 1, 247, 140 194: 1, 240, 779 195: 1, 211, 988 198: 1, 243, 765 199: 1, 247, 716 82— 1: 1, 217, 836 1, 233, 300 1, 237, 165 1, 237, 677 1, 243, 449 1.1: 1, 227, 748 2: 1, 211, 840 1, 212, 257 1, 226, 303 1, 238, 934 1, 238, 935 1, 239, 857 1, 240, 032 1, 240, 474 4: 1, 211, 155 1, 235, 914 1, 239, 369 5: 1, 216, 060 8: 1, 226, 051 11: 1, 230, 647 1, 235, 393 13: 1, 228, 086 14: 1, 234, 225 1, 239, 422 15: 1, 226, 825 17: 1, 222, 021 1, 233, 711 18: 1, 247, 735 19: 1, 214, 236 1, 251, 263 21: 1, 227, 822 1, 237, 511 22: 1, 218, 784 1, 242, 679 24: 1, 231, 946 1, 235, 437 1, 248, 941 26: 1, 250, 572 29: 1, 250, 565 30: 1, 250, 660 31: 1, 239, 352 33: 1, 246, 697 34: 1, 217, 838 1, 225, 117 1, 226, 657 35: 1, 228, 570 1, 240, 221 1, 244, 953 36: 1, 222, 178 1, 229, 802 1, 246, 226 1, 248, 280 37: 1, 217, 895 1, 235, 298 39: R. 14, 299 40: 1, 215, 785 1, 222, 934 41: 1, 232, 325 1, 237, 153 42: 1, 227, 219 44: 1, 232, 704 1, 241, 319 1, 245, 361 133: 1, 238, 507 3: 1, 226, 032 1, 244, 513 1, 244, 514 1, 214, 515 1, 244, 516 1, 248, 814	83— 6: 1, 215, 055 1, 218, 693 1, 238, 117 7: 1, 212, 144 1, 218, 448 1, 221, 952 1, 233, 911 1, 220, 154 1, 223, 497 8: 1, 225, 449 1, 235, 030 1, 241, 935 1, 244, 352 9: 1, 213, 264 1, 214, 776 1, 215, 662 1, 217, 351 1, 220, 155 1, 220, 157 1, 222, 184 1, 222, 382 1, 222, 383 1, 222, 384 1, 222, 385 1, 224, 933 1, 225, 061 1, 226, 555 1, 226, 556 1, 233, 086 1, 235, 449 1, 238, 652 1, 239, 286 1, 242, 423 1, 243, 742 1, 246, 775 1, 249, 494 1, 249, 764 10: 1, 220, 257 1, 226, 275 1, 231, 744 1, 237, 383 1, 241, 749 11: 1, 212, 418 1, 212, 419 1, 212, 991 1, 214, 558 1, 215, 075 1, 215, 424 1, 217, 930 1, 221, 144 1, 231, 478 1, 235, 868 1, 246, 344 1, 250, 358 1, 250, 590 12: 1, 211, 397 1, 218, 634 1, 218, 933 1, 224, 354 1, 224, 406 1, 229, 169 1, 239, 707 1, 244, 774 13: 1, 219, 117 1, 219, 118 15: 1, 222, 249 1, 229, 273 16: 1, 239, 315 18: 1, 213, 149 1, 220, 147 1, 238, 784 1, 247, 394 1, 248, 458 1, 240, 261 24: 1, 211, 278 1, 214, 064 1, 214, 761 1, 216, 257 1, 221, 671 1, 225, 866 1, 226, 295 1, 230, 060 1, 235, 388 1, 236, 923 1, 237, 936 1, 240, 612 1, 240, 852 1, 242, 755 1, 243, 027 1, 244, 318 1, 244, 900 1, 247, 961 1, 250, 316 28: 1, 211, 734 1, 214, 526 1, 218, 114 1, 218, 250 1, 222, 830 1, 234, 305 1, 237, 425 1, 239, 396	83— 28: 1, 244, 761 29: 1, 244, 542 30: 1, 220, 090 1, 221, 855 1, 231, 002 1, 231, 534 1, 239, 397 33: 1, 212, 113 34: 1, 235, 427 1, 240, 775 36: 1, 219, 079 1, 242, 136 38: 1, 210, 989 1, 217, 786 1, 223, 005 39: 1, 216, 891 1, 244, 219 1, 248, 413 42: 1, 234, 662 1, 234, 663 1, 250, 072 44: 1, 215, 739 1, 215, 826 1, 217, 621 1, 220, 958 1, 221, 136 1, 222, 160 1, 226, 108 1, 233, 110 1, 234, 532 1, 247, 409 1, 247, 453 45: 1, 217, 525 1, 218, 403 1, 245, 625 1, 247, 293 1, 247, 633 1, 248, 215 1, 249, 852 46: 1, 216, 185 1, 228, 338 1, 246, 514 49: 1, 222, 305 1, 236, 658 50: 1, 244, 561 52: 1, 221, 241 1, 234, 904 53: 1, 214, 693 1, 247, 701 54: R. 14, 266 1, 210, 868 1, 211, 111 1, 211, 495 1, 212, 393 1, 214, 269 1, 223, 406 1, 223, 612 1, 232, 783 1, 244, 788 1, 250, 553 56: 1, 212, 151 1, 212, 179 1, 212, 264 1, 213, 239 1, 213, 322 1, 214, 506 1, 214, 646 1, 214, 674 1, 217, 342 1, 217, 404 1, 218, 809 1, 220, 197 1, 220, 232 1, 222, 804 1, 222, 903 1, 224, 598 1, 227, 589 1, 229, 542 1, 229, 809 1, 229, 810 1, 229, 811 1, 229, 812 1, 229, 813 1, 229, 814 1, 229, 815 1, 229, 816 1, 229, 817 1, 229, 818 1, 229, 819 1, 229, 820 1, 229, 821 1, 230, 477 1, 230, 697 1, 231, 113 1, 232, 052 1, 234, 299 1, 234, 447 1, 242, 982 1, 244, 591 1, 247, 427 1, 247, 620 1, 248, 686	83— 56: 1, 249, 037 57: 1, 240, 821 58: 1, 230, 433 60: 1, 212, 239 1, 212, 585 1, 213, 009 1, 217, 314 1, 219, 600 1, 221, 816 1, 225, 941 1, 226, 976 1, 228, 779 1, 229, 033 1, 231, 694 1, 232, 784 1, 234, 195 1, 234, 835 1, 237, 218 1, 238, 007 1, 241, 539 1, 241, 677 1, 242, 050 1, 242, 318 1, 245, 595 1, 245, 619 1, 246, 293 1, 248, 081 62: 1, 212, 915 1, 233, 673 64: 1, 211, 212 1, 218, 690 1, 218, 765 1, 221, 984 1, 223, 064 1, 224, 089 1, 226, 903 1, 228, 437 1, 234, 909 1, 236, 307 1, 237, 527 1, 239, 754 1, 248, 847 67: 1, 210, 880 1, 211, 019 1, 211, 729 1, 218, 170 1, 220, 051 1, 221, 347 1, 230, 770 1, 231, 176 1, 231, 420 1, 235, 945 1, 237, 798 68: 1, 221, 461 1, 230, 135 1, 240, 396 1, 246, 195 71: 1, 214, 817 1, 217, 613 1, 218, 916 1, 218, 960 1, 219, 338 1, 224, 580 1, 227, 552 1, 233, 804 1, 238, 949 1, 244, 952 1, 245, 717 1, 250, 554 73: 1, 211, 270 1, 213, 407 1, 215, 558 1, 215, 560 1, 217, 766 1, 218, 347 1, 220, 338 1, 220, 683 1, 221, 368 1, 223, 314 1, 223, 385 1, 224, 656 1, 225, 129 1, 231, 499 1, 232, 605 1, 233, 198 1, 234, 230 1, 235, 589 1, 237, 028 1, 239, 537 1, 241, 212 1, 241, 518 1, 245, 973 1, 247, 148 1, 250, 918 74: 1, 224, 898 75: 1, 211, 736 1, 224, 960 1, 231, 671 1, 231, 672 1, 246, 944 76: 1, 224, 613 1, 226, 065 1, 230, 274	83— 76: 1, 244, 203 1, 248, 052 78: 1, 217, 065 79: 1, 217, 826 1, 225, 157 1, 225, 159 1, 243, 395 1, 244, 240 80: 1, 225, 158 1, 237, 237 81: 1, 211, 518 1, 215, 345 1, 223, 523 1, 247, 717 1, 248, 267 82: 1, 210, 916 1, 215, 230 1, 220, 092 1, 227, 107 1, 228, 133 1, 249, 635 83: 1, 249, 078 84: 1, 219, 408 1, 224, 350 1, 233, 713 1, 237, 691 85: 1, 212, 130 1, 212, 566 1, 218, 400 1, 219, 089 1, 224, 066 1, 224, 138 1, 226, 063 1, 226, 330 1, 228, 183 1, 228, 184 1, 230, 081 1, 232, 772 1, 233, 398 1, 234, 288 1, 235, 083 1, 235, 497 1, 236, 856 1, 236, 857 1, 236, 933 1, 236, 934 1, 237, 961 1, 240, 597 1, 240, 598 1, 240, 599 1, 240, 824 1, 243, 093 1, 243, 814 1, 244, 885 1, 246, 665 1, 250, 303 86: 1, 213, 348 1, 240, 923 87: 1, 236, 839 1, 244, 191 1, 247, 702 88: 1, 210, 778 1, 211, 364 1, 218, 977 1, 219, 128 1, 221, 659 1, 222, 491 1, 224, 281 1, 227, 792 1, 233, 149 1, 241, 954 1, 244, 611 1, 245, 611 89: 1, 216, 798 1, 219, 048 1, 230, 674 1, 231, 297 90: 1, 234, 316 91: 1, 224, 815 1, 245, 328 92: 1, 217, 986 1, 217, 987 1, 217, 988 1, 219, 767 1, 220, 801 1, 220, 922 1, 224, 379 1, 226, 917 1, 229, 838 1, 234, 348 1, 234, 433 1, 234, 434 1, 236, 482 1, 237, 646 1, 242, 214 1, 243, 260 1, 247, 535 1, 221, 026 7: 1, 211, 983 1, 223, 563 1, 228, 016 1, 235, 394
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Classification of patents—Continued.

84—	8:	1,214,625	84—	93:	1,219,747	84—	167:	1,247,265	85—	2.4:	1,248,003	87:	9:	1,249,249	88—	16.4:	1,214,798	
		1,218,057		95:	1,239,698			1,251,000			1,248,004		12:	1,211,704			1,217,391	
		1,222,285		97:	1,226,494		168:	1,214,943			1,248,005			1,217,118			1,217,425	
		1,232,069			1,242,633			1,217,323			1,248,006			1,219,486			1,223,381	
		1,236,173		106:	1,232,862			1,219,145			1,248,007			1,222,608			1,231,710	
		1,240,177		115:	1,238,426			1,223,048			1,248,008			1,224,291			1,232,504	
		1,244,745		116:	1,220,840			1,223,885			1,248,009			1,228,888			1,233,772	
10:		1,214,171			1,223,072			1,225,619			1,224,698			1,232,913			1,247,273	
		1,221,141			1,226,352			1,225,620			1,228,512			1,236,446			1,229,159	
		1,221,142			1,235,368			1,225,902			1,242,569			1,238,137			1,247,646	
		1,223,237			1,238,718			1,227,510			1,242,936			1,240,869			1,219,221	
		1,230,192			1,239,811			1,229,083			1,247,772			1,242,624			1,219,403	
		1,243,207			1,246,058			1,231,809			1,244,461			1,242,667			1,223,341	
12:		1,234,814			1,246,519			1,232,664			1,228,489			1,246,379			1,224,304	
		1,246,068			1,246,635			1,233,864			1,219,167			1,247,095			1,235,776	
14:		1,239,050			1,237,918			1,237,651			1,228,291			1,247,516			1,242,428	
16:		1,224,994			1,241,370			1,241,812			1,231,887			1,247,782			1,245,844	
		1,246,997		117:	1,242,952			1,242,466			1,237,344			1,211,691			1,246,217	
		1,246,998		121:	1,233,881			1,242,919			1,247,993			1,214,113			1,212,884	
17:		1,211,579			1,248,196		169:	1,215,625			1,214,634			1,212,818			1,215,364	
		1,211,751			1,251,360			1,227,368			1,248,301			1,250,540			1,215,534	
		1,213,297		123:	1,215,593			1,241,583			1,210,426			1,221,571			1,215,770	
		1,215,262		124:	1,235,239			1,251,351			1,213,787			1,213,468			1,220,195	
		1,220,077		127:	1,227,496		174:	1,219,063			1,215,259			1,233,101			1,221,515	
		1,220,520			1,232,823		176:	1,243,169			1,214,578			1,235,784			1,225,184	
		1,225,546			1,236,667		178:	1,210,474			1,223,051			1,237,011			1,227,039	
		1,226,280		131:	1,233,306			1,214,865			1,225,589			1,244,463			1,227,081	
		1,228,511			1,245,518			1,218,150			1,233,108			1,248,039			1,229,275	
		1,230,041		132:	1,230,695			1,219,104			1,236,293			1,251,275			1,230,201	
		1,234,404		133:	1,223,744			1,219,105			1,237,142			1,239,629			1,230,351	
		1,235,807			1,241,639			1,223,265			1,244,432			1,229,132			1,231,360	
		1,236,531		134:	1,226,991			1,225,709			1,225,708			1,225,323			1,232,326	
		1,244,749		135:	1,211,744			1,226,326			1,242,924			1,210,977			1,232,418	
		1,248,520			1,212,050			1,227,787			1,247,178			1,216,209			1,234,136	
		1,251,169			1,216,897			1,230,549			1,229,911			1,218,082			1,236,319	
19:		1,232,744			1,219,904			1,233,336			1,241,432			1,218,231			1,240,882	
23:		1,225,666			1,220,313			1,235,759			1,244,100			1,219,731			1,242,605	
		1,230,165			1,231,080			1,235,760		36.5:	1,213,125			1,224,545			1,242,730	
24:		1,226,284			1,235,053			1,246,096			1,223,546			1,225,646			1,242,792	
		1,242,544			1,237,042			1,247,604			1,226,830			1,229,420			1,243,067	
25:		1,239,113			1,237,339			1,249,777			1,243,225			1,236,265			1,243,507	
		1,251,174			1,239,006			1,250,428			1,245,095			1,236,765			1,245,192	
26:		1,215,489			1,248,692		193:	1,217,358			1,243,799			1,245,144			1,245,755	
		1,216,701		139:	1,211,658			1,217,359			1,250,597			1,250,393			1,249,376	
		1,217,240		150:	1,229,257			1,224,693			1,228,239		1.5:	1,219,129			1,250,186	
		1,231,937			1,229,735			1,227,579			1,228,199			1,235,100			1,250,724	
		1,248,192		156:	1,227,738			1,230,324			1,212,029		2.2:	1,226,935		18:	1,214,851	
27:		1,242,790			1,238,040			1,246,053			1,238,636			1,226,936			1,224,500	
28:		1,210,593			1,247,844		222:	1,238,884			1,249,592			1,227,544			1,225,636	
		1,211,791		159:	1,234,539		223:	1,228,339			1,229,560			1,236,196			1,229,673	
		1,212,775			1,235,526			1,231,739			1,235,626			1,250,717			1,229,673	
30:		1,218,019		160:	1,212,240		228:	1,211,623			1,217,968		2.4:	1,218,422			1,230,576	
		1,249,763			1,212,369			1,236,356			1,230,246			1,232,615			1,232,328	
31:		1,210,950			1,217,227		231:	1,213,166			1,241,054			1,246,280			1,235,997	
		1,227,309			1,219,243		233:	1,220,676			1,229,623		2.7:	1,215,162			1,241,650	
		1,234,140			1,228,029			1,229,362			1,221,023			1,229,209			1,244,919	
		1,236,239			1,234,328			1,229,501		86—	1,229,969			1,247,185			1,244,920	
		1,237,873			1,240,412			1,232,198			1,213,277		14:	1,227,528			1,247,786	
40:		1,244,549		161:	1,211,029			1,233,132			1,229,467			1,229,827			1,248,587	
41:		1,236,435			1,211,048			1,233,367			1,229,666			1,230,102			1,251,161	
		1,244,250			1,211,799			1,237,263			1,231,388			1,230,754		18.2:	1,228,255	
		1,248,736			1,212,165			1,245,579			1,240,548			1,232,989		18.4:	1,227,887	
42:		1,243,644			1,212,652		243:	1,224,783			1,244,387			1,234,333		18.6:	1,241,899	
43:		1,212,304			1,215,005			1,231,212			1,245,528			1,242,377			1,245,497	
		1,246,483			1,215,297			1,238,288			1,222,938			1,245,242			1,245,498	
44:		1,214,075			1,215,548			1,210,595			1,239,631			1,245,765		18.7:	1,211,955	
		1,227,358			1,216,448		85—	1:	1,210,599			1,246,331		16:	1,210,887			1,225,905
46:		1,228,737			1,216,852			1,220,841			1,230,734			1,210,934			1,239,504	
		1,238,835			1,217,271			1,228,189			1,232,893			1,210,887			1,242,006	
48:		1,238,864			1,219,235			1,229,528			1,242,086			1,211,200		18.8:	1,236,819	
52:		1,233,682			1,232,197			1,236,063			1,219,485			1,212,115		19:	1,225,392	
54:		1,230,895			1,232,199			1,244,499			1,227,198			1,214,636			1,227,268	
55:		1,232,217			1,232,200			1,247,356			1,248,402			1,216,695		19.1:	1,242,416	
		1,237,057			1,233,130		1.5:	1,216,551			1,212,442			1,218,342		19.3:	1,213,147	
65:		1,250,606			1,233,943			1,216,621			1,219,559			1,226,135			1,214,301	
67:		1,223,412			1,234,239			1,216,622			1,223,518			1,227,075			1,215,887	
		1,233,552			1,234,842			1,218,445			1,227,667			1,229,329			1,224,147	
70:		1,214,237			1,236,125			1,222,292			1,229,247			1,229,681			1,224,187	
		1,224,437			1,240,113			1,225,501			1,231,961			1,231,958			1,227,856	
		1,234,474			1,240,160			1,229,909			1,230,668			1,230,599			1,233,186	
72:		1,228,949			1,242,266			1,229,910			1,234,266			1,235,871			1,233,816	
74:		1,225,566			1,243,330			1,229,961			1,235,214			1,240,774			1,241,828	
		1,227,359			1,243,620			1,230,048			1,234,272			1,242,674			1,244,728	
75:		1,215,973			1,245,081			1,231,898			1,235,721			1,243,354			1,245,970	
78:		1,220,430			1,245,126			1,236,015			1,241,043			1,245,420		19.4:	1,225,801	
		1,223,554			1,246,865			1,236,065			1,241,044			1,248,856		19.5:	1,213,038	
81:																		

Classification of patents—Continued.

88—	22: 1,223,020 1,232,842 1,240,289	88—	47: 1,230,488 1,234,429 1,235,662 1,240,533 1,241,698 1,241,716 1,241,717 1,241,718 1,242,599 1,243,410 1,243,743 1,243,886 1,248,869 1,249,353 1,250,248 1,250,703 48: 1,249,718 50: 1,210,498 1,218,112 1,219,422 1,228,721 1,236,452 1,238,971 1,239,245 1,241,690 1,241,903 1,244,941 1,245,998 51: 1,238,496 52: 1,225,343 1,243,466 53: 1,243,820 54: 1,221,967 1,222,049 1,230,136 56: 1,210,606 1,225,334 1,232,466 1,241,612 1,242,754 57: 1,223,691 1,236,895 60: 1,220,576 67: 1,226,337 1,241,603 1,211,800 1,216,472 1,216,939 1,217,415 1,217,657 1,217,959 1,218,706 1,219,703 1,227,897 1,242,890 1,248,537 2: 1,234,071 1,237,083 4: 1,232,090 6: 1,234,603 1,245,093 7: 1,214,984 1,237,157 10: 1,211,738 1,223,069 1,235,897 1,240,815 11: 1,216,938 1,218,458 1,233,165 12: 1,242,068 14: 1,234,575 16: 1,242,719 1,244,719 20: 1,229,859 31: 1,229,675 1,242,843 34: 1,213,755 1,224,366 35: 1,243,686 1,247,810 1,247,811 36: 1,210,407 1,212,463 1,213,074 1,213,118 1,213,247 1,214,517 1,226,075 1,232,575 1,234,174 1,238,120 1,239,329 42: 1,213,324 1,233,570 1,248,430 43: 1,249,907 44: 1,214,184 47: 1,212,776 1,217,035 1,219,433 1,224,361 1,225,689 1,228,882	89—	40: 1,220,246 1,223,931 1,225,492 1,229,809 1,230,361 1,230,687 1,234,172 1,236,811 1,238,827 1,239,476 1,239,860 1,244,431 1,248,325 1,249,535 1,249,542 41: 1,227,633 1,238,503 1,249,778 42: 1,227,161 43: 1,227,134 44: 1,215,438 4: 1,213,236 1,218,210 1,220,542 1,220,543 1,221,303 1,230,940 1,233,180 1,233,681 1,234,379 1,243,767 5: 1,244,659 9: 1,210,456 1,222,709 1,236,835 1,236,836 1,250,320 11: 1,212,330 1,216,470 1,216,600 1,219,481 1,239,159 1,242,662 1,245,238 12: 1,216,097 1,239,406 1,249,672 12.5: 1,214,138 1,223,218 1,227,499 1,227,500 1,227,511 1,227,512 1,227,513 1,227,514 1,227,515 1,235,959 13: 1,218,653 1,225,539 1,242,105 1,243,810 13.1: 1,219,310 1,237,388 13.2: 1,229,059 13.4: 1,241,910 13.5: 1,239,696 14: 1,218,108 15: 1,216,018 1,216,454 1,217,949 1,223,929 1,239,911 16: 1,223,324 1,248,471 17: 1,225,152 1,229,352 18: 1,213,237 1,216,469 1,218,044 21: 1,213,300 1,215,705 1,231,255 1,241,850 25: 1,212,730 1,217,297 1,218,736 1,236,957 28.1: 1,211,119 1,239,659 1,239,660 33: 1,210,544 1,217,205 1,218,191 1,218,426 1,233,373 1,236,782 42: 1,215,514 52: 1,218,951 53: 1,223,493 1,244,302 56: 1,232,801 57: 1,225,106	90—	59: 1,211,183 1,219,227 1,230,927 1,231,533 60: 1,242,182 1,249,207 2: 1,216,230 3: 1,215,305 1,223,687 1,226,824 1,230,455 7: 1,239,399 7.5: 1,233,400 11: 1,225,982 1,225,983 12.1: 1,244,931 13: 1,212,854 1,219,294 1,229,101 13.5: 1,243,182 14: 1,213,728 14.5: 1,212,873 1,216,763 1,221,302 1,229,403 1,233,157 1,235,566 1,235,967 1,244,708 1,244,837 1,250,790 1,250,791 16: 1,214,658 1,214,659 17: 1,234,704 18: 1,227,618 1,232,121 1,236,002 1,238,144 1,239,815 1,244,015 25: 1,240,017 31: 1,210,442 1,214,618 1,214,998 1,240,154 1,243,808 32: 1,225,290 36: 1,211,429 37: 1,249,563 39: 1,215,505 1,216,539 1,218,155 1,221,170 1,235,252 40: 1,223,402 1,223,403 1,225,828 1,247,995 41: 1,212,360 42: 1,245,407 43: 1,211,341 1,240,625 44: 1,225,013 1,249,734 45: 1,210,500 1,218,279 1,218,718 1,219,642 1,220,552 1,220,942 1,223,586 1,223,810 1,227,617 1,227,619 1,229,344 1,231,222 1,232,510 1,234,378 1,238,128 1,239,074 1,239,075 1,239,283 1,243,514 1,249,725 46: 1,217,071 1,218,241 1,238,619 1,239,738 1,248,766 1,251,032 47: 1,210,441 1,215,194 1,217,989 1,222,940 1,236,832 1,246,793 48: R. 1,345 49: 1,234,233 1,235,326 1,242,925 50: 1,216,039	91—	50: 1,225,270 1,242,561 1,244,537 51: 1,218,419 1,222,983 1,244,764 1,225,649 1,238,810 1,240,279 1,241,938 1,243,595 1,248,642 1,224,768 54.4: 1,217,083 1,223,996 1,235,644 54.5: 1,229,425 1,241,322 1,244,683 56: 1,211,951 1,213,857 57: 1,224,213 59: 1,211,932 1,230,416 1,238,561 59.1: 1,213,851 1,221,397 1,242,532 59.4: 1,224,967 1,250,128 1,226,856 60: 1,229,428 1,230,068 1,230,442 1,231,246 1,237,860 1,239,816 1,239,818 1,250,500 62: 1,223,516 1,223,517 1,226,994 63: 1,238,641 65: 1,211,038 1,213,977 1,231,685 66: 1,227,927 1,236,421 1,238,830 1,248,746 67.1: 1,211,461 1,226,821 1,227,658 67.3: 1,220,531 67.4: 1,243,967 1,244,974 1,244,975 67.5: 1,218,735 1,223,360 1,224,894 67.8: 1,226,984 1,251,158 67.9: 1,218,127 1,228,191 1,248,170 1,249,734 1,250,577 1,250,578 68: 1,210,987 1,211,288 1,211,837 1,214,630 1,215,099 1,218,052 1,218,350 1,218,474 1,218,599 1,218,982 1,219,451 1,222,100 1,223,302 1,223,399 1,223,538 1,223,809 1,227,427 1,228,165 1,229,284 1,230,151 1,233,334 1,234,045 1,234,377 1,234,989 1,235,183 1,236,461 1,236,959 1,236,999 1,237,000 1,237,471 1,237,864 1,238,143 1,238,760 1,238,805 1,239,089	91—	68: 1,239,273 1,240,616 1,240,934 1,242,327 1,242,622 1,244,058 1,244,567 1,245,100 1,245,982 1,247,610 1,247,864 1,248,447 1,249,390 1,251,029 70: 1,210,722 1,217,873 1,219,021 1,219,349 1,222,967 1,228,371 1,228,458 1,233,501 1,236,460 1,239,953 1,240,565 1,240,566 1,240,567 1,249,360 1,249,637 1,249,770 70.1: 1,223,777 1,224,339 1,236,383 1,244,414 70.2: 1,221,104 1,243,654 1,245,536 70.3: 1,231,285 71: 1,226,146 72: 1,217,490 1,237,520 73: 1,221,561 1,221,562 1,230,958 81: 1,236,489 1: 1,241,973 1,249,575 2: 1,223,158 1,249,287 1,232,154 1,234,315 1,245,839 1,249,726 6: 1,229,181 1,250,106 7: 1,228,950 1,236,072 1,236,370 1,236,723 1,251,261 9: 1,212,158 10: 1,224,722 1,225,738 1,238,359 11: 1,229,422 1,240,920 1,244,525 14: 1,226,735 1,235,220 1,235,258 18: 1,231,247 20: 1,222,218 21: 1,228,580 1,229,924 1,231,153 22: 1,212,159 1,216,487 1,225,476 1,245,577 23: 1,244,144 24: 1,229,545 1,233,164 1,236,794 1,244,820 1,250,632 27: 1,217,528 1,225,874 29: 1,213,866 32: 1,236,281 34: 1,225,198 35: 1,210,905 1,210,906 1,210,907 1,212,978 36: 1,237,280 38: 1,244,116 40: 1,217,076 1,230,095 42: 1,211,229 1,225,091 43: 1,223,905
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Classification of patents—Continued.

92—	44: 1,240,589	93—	44: 1,220,566	94—	7: 1,247,223	95—	44: 1,232,333	95—	100: 1,232,900	97—	27: 1,221,764
	45: 1,220,611		1,220,643		8: 1,222,061		1,234,339		1,236,092		1,222,898
	46: 1,225,086		51: 1,212,182		1: 1,245,606		1,238,473		1,237,562		1,227,349
	1,233,738		52: 1,211,757		1.1: 1,210,804		1,238,474		1,237,563		1,243,072
	1,248,972		53: 1,219,427		1,217,653		1,240,651		1,232,589		1,243,833
	1,251,381		54: 1,212,241		1,222,531		1,240,788		1,245,330		1,247,739
	1,228,114		1,226,995		1,224,588		1,210,534		1,210,890		1,214,597
	1,241,272		1,226,996		1,225,757		1,214,453		1,211,968		1,222,031
	48: 1,229,007		1,237,250		1,226,955		1,227,675		1,213,720		1,232,255
	1,231,698		1,244,538		1,230,399		1,239,469		1,216,142		1,237,752
	1,244,562		1,244,539		1,232,771		1,244,254		1,218,527		1,238,595
	1,248,258		1,244,540		1,235,222		1,213,544		1,218,926		1,249,385
	49: 1,221,338		55: 1,210,577		1,236,007		1,217,728		1,220,225		1,210,791
	1,222,601		1,218,907		1,238,504		1,243,934		1,218,926		1,211,241
	1,235,961		1,221,835		1,238,505		1,249,172		1,222,580		1,222,647
	1,237,374		1,247,238		1,238,506		1,210,896		1,226,975		1,230,261
	1,239,895		1,249,095		1,238,674		1,233,095		1,232,580		1,243,019
	51: 1,216,861		58: 1,219,941		1,240,910		1,213,485		1,233,549		1,249,447
	1,231,717		1,225,131		1,249,612		1,216,021		1,239,147		1,217,776
	52: 1,211,739		1,241,506		1,251,105		1,232,768		1,241,451		1,229,355
	1,236,006		60: 1,230,177		2: 1,214,016		1,235,273		1,242,793		1,237,508
	53: 1,234,543		61: 1,215,248		1,222,925		1,233,571		1,243,972		1,241,382
	54: 1,215,516		1,219,407		1,225,246		1,249,351		1,216,139		1,243,306
	1,234,419		1,227,017		1,228,877		1,250,354		1,218,936		1,233,778
	1,246,816		1,233,794		1,238,775		63: 1,214,250		1,218,936		1,236,270
	1,248,381		1,244,501		1,247,116		1,214,699		1,221,503		1,243,758
	57: R. 14,262		1,239,968		1,248,139		1,215,284		1,221,915		1,211,894
	1,218,001		1,250,075		1,248,864		1,238,422		1,225,948		1,224,554
	1,234,418		62: 1,218,597		4.5: 1,237,239		1,238,471		1,225,948		1,230,243
	58: 1,247,066		1,234,512		5: 1,228,640		1,239,025		1,240,758		1,233,731
	59: 1,248,097		64: 1,225,026		1,245,152		1,243,086		1,230,233		1,245,969
	62: 1,249,088		66: R. 14,395		5.1: 1,237,342		1,230,568		1,240,073		1,219,880
	1,249,087		68: 1,230,409		5.4: 1,219,332		1,247,682		1,232,139		1,221,565
	67: 1,225,778		1,249,434		5.6: 1,212,446		1,227,203		1,215,096		1,225,386
	1,231,520		79: 1,213,054		7: 1,225,146		1,216,318		1,218,743		1,225,853
	68: 1,224,650		81: 1,220,377		8: 1,210,400		1,236,201		1,219,013		1,229,157
	70: 1,222,437		1,220,378		1,213,925		1,212,022		1,233,121		1,232,188
	71: 1,246,945		1,221,649		1,219,739		1,222,766		1,233,550		1,234,453
	74: 1,228,726		1,226,034		1,232,796		1,225,729		1,237,610		1,244,274
	1,245,698		1,237,031		1,240,344		1,229,896		1,238,821		1,248,271
93—	1: 1,211,082		83: 1,224,969		9: 1,212,137		1,230,532		1,212,295		1,251,324
	1,211,514		84: 1,219,421		1,212,447		1,231,173		1,214,974		1,212,950
	1,218,249		88: 1,230,107		1,213,514		1,232,219		1,217,983		1,215,642
	1,221,213		91: 1,225,090		1,214,552		1,244,362		1,218,883		1,215,691
	1,229,213		93: 1,210,618		1,221,825		1,247,565		1,219,342		1,216,568
	1,232,541		1,221,196		1,225,951		1,251,076		1,220,181		1,217,172
	1,232,666		1,232,422		1,225,988		1,210,743		1,222,259		1,217,383
	2: R. 14,318		1,249,060		1,232,702		1,212,759		1,213,037		1,226,450
	1,215,464		94: 1,223,933		1,234,770		1,213,037		1,223,447		1,229,010
	1,215,930		1,242,903		1,240,335		1,231,173		1,225,335		1,235,468
	1,218,683		1: 1,215,273		1,249,602		1,232,219		1,228,784		1,237,854
	1,218,787		1,218,218		1,250,099		1,244,362		1,234,061		1,241,110
	1,235,313		1,220,681		1,212,355		1,246,579		1,236,683		1,241,634
	1,235,547		1,220,682		1,222,310		1,246,579		1,237,874		1,244,721
	1,235,690		1,220,766		1,236,419		1,246,580		1,238,816		1,246,896
	1,238,328		1,223,045		1,246,328		1,249,335		1,240,088		1,248,231
	1,239,597		1,223,240		1,225,955		1,234,416		1,251,186		1,249,569
	1,244,277		1,225,055		1,226,144		1,246,620		1,220,071		1,251,096
	1,248,083		1,226,144		1,230,894		1,217,005		1,225,659		1,212,526
	1,248,845		1,230,894		1,231,419		1,225,957		1,246,442		1,212,527
	3: 1,227,600		1,231,419		1,218,273		1,237,701		1,228,682		1,213,336
	4: 1,218,786		1,233,200		1,229,945		1,219,944		1,233,146		1,214,993
	1,247,364		1,234,171		1,236,875		1,234,554		1,237,783		1,215,754
	5: 1,218,854		1,237,542		1,239,542		1,243,264		1,243,378		1,222,517
	1,220,670		1,239,573		1,245,760		1,246,974		1,211,258		1,215,818
	1,226,622		1,239,762		1,239,762		1,223,214		1,219,990		1,222,517
	1,245,952		1,241,405		1,241,405		1,223,164		1,233,808		1,224,101
	6: 1,211,329		1,241,826		1,221,847		1,246,974		1,230,846		1,229,354
	1,217,632		1,244,008		1,223,686		1,223,214		1,232,997		1,232,240
	1,221,313		1,245,349		1,223,858		1,249,699		1,232,149		1,233,734
	1,223,176		1,247,271		1,224,300		1,248,695		1,238,341		1,234,762
	1,225,809		2: 1,221,955		1,224,531		1,232,828		1,234,006		1,235,392
	1,234,605		1,224,448		1,231,878		1,235,320		1,251,068		1,235,891
	1,235,284		1,238,992		1,232,828		1,237,333		1,243,970		1,237,407
	1,245,561		1,244,831		1,235,320		1,239,017		1,217,839		1,238,057
	7: 1,217,694		1,245,689		1,237,333		1,241,773		1,219,278		1,238,969
	1,234,722		1,237,634		1,239,017		1,241,843		1,222,064		1,239,281
	1,235,312		1,238,227		1,238,227		1,242,157		1,230,963		1,241,530
	8: 1,220,276		1,246,696		1,250,521		1,242,745		1,246,393		1,245,204
	13: 1,212,178		1,250,521		1,220,986		1,250,973		1,249,291		1,249,067
	1,214,504		1,221,689		1,222,605		1,225,495		1,212,498		1,250,013
	15: 1,218,356		1,230,768		1,233,107		1,227,692		1,218,498		1,213,050
	19: 1,249,354		1,249,510		1,234,091		1,234,984		1,222,596		1,225,233
	1,249,509		1,249,510		1,236,972		1,238,497		1,222,597		1,229,970
	35: 1,213,769		36: R. 14,267		1,240,481		1,248,501		1,225,803		1,233,015
	1,216,175		1,216,175		1,242,558		1,248,501		1,230,096		1,244,982
	1,220,517		1,222,134		1,247,272		1,248,501		1,237,657		1,245,613
	1,222,134		1,222,135		1,248,501		1,248,501		1,243,403		1,245,871
	1,226,033		1,226,033		1,247,272		1,248,501		1,245,848		1,248,706
	1,228,978		1,228,978		1,250,809		1,248,501		1,251,052		1,237,446
	1,229,512		1,229,512		1,218,328		1,226,838		1,231,237		1,230,022
	1,230,516		1,230,516		1,226,509		1,219,801		1,233,441		1,222,117
	1,235,319		1,235,319		1,231,688		1,215,412		1,233,664		1,233,424
	1,236,443		1,236,443		1,235,446		1,241,825		1,239,438		1,248,914
	1,236,444		1,236,444		1,241,825		1,244,501		1,240,425		1,251,059
	38: 1,249,715		1,249,715		1,244,501		1,245,199		1,237,825		1,212,563
	40: 1,218,417		1,218,417		1,245,199		1,213,731		1,214,408		1,215,188
	1,244,066		1,244,066		1,245,214		1,226,660		1,223,057		1,222,122

Classification of patents—Continued.

97—	42: 1,234,871 1,239,945 1,244,850 1,245,121 1,246,451 43: 1,218,054 1,220,449 1,224,695 1,244,028 1,244,714 1,250,371 44: 1,211,358 1,213,553 1,213,912 1,225,399 1,225,400 1,231,398 1,235,176 1,236,344 1,241,033 45: 1,214,684 1,225,066 1,231,502 1,232,740 1,233,745 1,235,512 1,237,804 1,248,160 46: 1,213,321 1,214,977 1,219,984 1,226,754 1,227,294 1,243,046 1,247,246 1,250,794 49: 1,210,579 1,211,971 1,223,868 1,234,002 50: 1,241,320 1,249,523 1,249,524 52: 1,223,029 53: 1,212,377 1,212,772 1,224,717 1,228,992 54: 1,218,003 1,231,225 1,233,129 1,237,505 55: 1,226,510 1,234,760 58: 1,215,942 1,240,047 59: 1,215,654 1,224,761 1,227,237 1,237,626 60: 1,219,636 61: 1,216,033 62: 1,227,090 1,232,025 63: 1,225,423 1,227,089 64: 1,214,832 1,238,998 66: 1,241,596 67: 1,214,002 1,232,661 1,237,616 68: 1,240,087 1,246,388 1,247,170 1,249,648 69: 1,222,387 1,232,483 1,246,851 70: 1,222,299 1,226,463 1,227,745 1,230,339 1,239,559 71: 1,210,511 1,225,268 1,233,136 1,239,599 1,241,173 72: 1,218,681 1,231,352 1,233,040 1,233,442 1,249,555 73: 1,222,116 1,243,704 74: 1,221,992 1,226,793 75: 1,239,090 76: 1,217,864 1,234,761 77: 1,238,252 78: 1,223,818	97—	79: 1,248,953 80: 1,230,716 81: 1,228,377 1,230,084 1,234,040 1,234,427 1,235,249 1,248,599 82: 1,238,000 83: 1,228,764 1,231,979 1,232,288 84: 1,237,178 85: 1,233,760 1,238,953 1,214,838 1,247,762 89: 1,242,591 91: 1,235,606 92: 1,231,701 98—	3: 1,213,829 1,231,627 1,247,639 4: 1,219,615 1,219,893 1,222,394 1,233,021 1,235,609 7: 1,222,554 9: 1,245,851 21: R. 14, 240 22: 1,211,602 1,215,341 1,218,286 1,220,290 1,220,830 1,223,390 1,223,903 1,228,202 1,229,066 1,234,031 1,242,541 1,245,826 1,247,490 1,249,840 1,250,927 26: 1,214,033 1,219,267 1,225,382 1,226,025 27: 1,213,884 1,216,685 1,218,164 1,219,219 1,225,521 1,228,931 1,234,736 1,236,013 1,236,157 1,243,146 1,247,314 1,222,569 1,228,985 30: 1,218,360 31: 1,211,191 1,211,900 1,215,131 1,217,225 1,217,897 1,218,122 1,221,727 1,224,818 1,231,340 1,233,362 1,233,436 1,233,517 1,234,925 1,236,193 1,238,651 1,240,107 1,240,953 1,241,660 1,243,575 1,244,602 1,249,878 32: 1,249,215 33: 1,223,684 49: 1,233,125 1,247,677 1,251,018 51: 1,250,891 54: 1,233,523 1,245,123 99—	1: 1,232,759 1,239,690 1,241,374 1,242,728 1,249,205 2: 1,213,245 1,214,376 1,214,393 1,215,346 1,217,470 1,220,160 1,222,932 1,224,710 1,224,711 1,226,845 1,230,395 1,233,000 1,234,131 1,234,214 1,237,222 1,238,550 1,243,251 1,243,275 1,245,380 1,247,153 1,248,521 5: 1,211,124 1,212,722 1,213,355 1,213,887 1,215,363 1,215,889 1,219,005 1,219,286 1,221,024 1,222,062 1,225,348 1,226,011 1,226,052 1,226,852 1,226,999 1,228,640 1,233,446 1,234,714 1,235,161 1,236,382 1,236,706 1,240,020 1,240,816 1,245,031 1,246,858 1,249,001 1,250,427 6: 1,210,733 1,210,788 1,211,889 1,216,634 1,218,481 1,220,439 1,221,294 1,221,629 1,221,730 1,222,403 1,223,948 1,224,873 1,226,078 1,229,936 1,235,869 1,236,080 1,242,979 8: 1,212,445 1,214,627 1,216,260 1,219,291 1,219,787 1,221,386 1,222,656 1,225,530 1,229,472 1,229,592 1,230,364 1,230,365 1,230,366 1,231,585 1,232,271 1,235,680 1,235,947 1,238,708 1,240,235 1,241,163 1,242,873 1,245,294 1,245,489 1,250,079 1,250,384 1,250,567 9: 1,219,096 1,219,527 1,219,130 1,210,940 1,211,462	99—	10: 1,212,205 1,213,210 1,213,357 1,213,627 1,214,726 1,215,995 1,218,759 1,219,809 1,220,205 1,222,304 1,224,492 1,225,877 1,225,878 1,226,347 1,227,002 1,228,252 1,230,452 1,231,114 1,231,143 1,232,758 1,233,238 1,234,858 1,235,330 1,235,420 1,236,428 1,238,371 1,238,372 1,238,373 1,242,396 1,242,883 1,242,884 1,244,867 1,247,349 1,251,044 1,251,070 11: R. 14, 391 1,210,542 1,210,589 1,210,667 1,211,126 1,213,545 1,213,854 1,214,134 1,214,168 1,214,218 1,214,392 1,214,598 1,214,729 1,214,730 1,214,875 1,215,597 1,216,052 1,216,383 1,216,671 1,218,190 1,218,536 1,218,914 1,220,010 1,221,973 1,223,121 1,223,383 1,224,271 1,225,450 1,226,147 1,226,439 1,226,983 1,228,175 1,229,052 1,229,555 1,229,656 1,229,919 1,230,091 1,230,184 1,230,479 1,230,817 1,231,286 1,232,267 1,235,450 1,235,666 1,236,831 1,237,723 1,237,724 1,237,962 1,239,555 1,239,667 1,239,930 1,240,016 1,240,165 1,243,068 1,243,244 1,243,855 1,243,964 1,244,586 1,244,847 1,245,255 1,245,751 1,245,818 1,247,334 1,247,678 1,248,884 1,249,044 1,249,259 1,251,359	99—	12: 1,210,491 1,216,729 1,217,559 1,219,388 1,220,164 1,223,890 1,224,204 1,224,205 1,229,439 1,231,007 1,235,895 1,237,521 1,237,558 1,238,202 1,239,429 1,240,443 1,242,168 1,242,188 1,245,029 1,247,105 1,248,711 1,210,918 1,216,674 1,216,675 1,218,758 1,224,910 1,232,016 1,247,482 1,247,483 14: 1,227,725 1,228,152 1,233,387 1,235,661 1,236,535 1,247,261 1,215,254 1,222,892 1,227,101 1,230,751 1,236,380 1,239,313 1,245,669 1,248,961 100—	1: 1,215,613 1,221,220 1,248,753 4: 1,217,921 1,230,605 1,250,558 5: 1,212,658 1,230,200 1,249,750 6: 1,242,232 7: 1,213,551 1,217,969 1,231,354 1,234,078 1,234,937 1,235,975 1,242,158 8: 1,220,870 1,221,573 1,246,371 1,246,759 1,250,310 9: 1,227,761 1,229,628 1,235,088 12: 1,235,088 15: 1,241,483 19: 1,213,158 1,217,893 1,219,301 1,221,767 1,225,095 1,229,563 1,231,286 1,232,267 1,235,450 1,235,666 1,236,831 1,237,723 1,237,724 1,237,962 1,239,555 1,239,667 1,239,930 1,240,016 1,240,165 1,243,068 1,243,244 1,243,855 1,243,964 1,244,586 1,244,847 1,245,255 1,245,751 1,245,818 1,247,334 1,247,678 1,248,884 1,249,044 1,249,259 1,251,359	12: 1,210,491 1,216,729 1,217,559 1,219,388 1,220,164 1,223,890 1,224,204 1,224,205 1,229,439 1,231,007 1,235,895 1,237,521 1,237,558 1,238,202 1,239,429 1,240,443 1,242,168 1,242,188 1,245,029 1,247,105 1,248,711 1,210,918 1,216,674 1,216,675 1,218,758 1,224,910 1,232,016 1,247,482 1,247,483 14: 1,227,725 1,228,152 1,233,387 1,235,661 1,236,535 1,247,261 1,215,254 1,222,892 1,227,101 1,230,751 1,236,380 1,239,313 1,245,669 1,248,961 1: 1,215,613 1,221,220 1,248,753 4: 1,217,921 1,230,605 1,250,558 5: 1,212,658 1,230,200 1,249,750 6: 1,242,232 7: 1,213,551 1,217,969 1,231,354 1,234,078 1,234,937 1,235,975 1,242,158 8: 1,220,870 1,221,573 1,246,371 1,246,759 1,250,310 9: 1,227,761 1,229,628 1,235,088 12: 1,235,088 15: 1,241,483 19: 1,213,158 1,217,893 1,219,301 1,221,767 1,225,095 1,229,563 1,231,286 1,232,267 1,235,450 1,235,666 1,236,831 1,237,723 1,237,724 1,237,962 1,239,555 1,239,667 1,239,930 1,240,016 1,240,165 1,243,068 1,243,244 1,243,855 1,243,964 1,244,586 1,244,847 1,245,255 1,245,751 1,245,818 1,247,334 1,247,678 1,248,884 1,249,044 1,249,259 1,251,359	100—	24: 1,237,586 1,244,360 1,246,569 25: 1,212,637 1,214,112 1,216,407 1,223,211 1,241,318 1,244,035 29: 1,215,014 31: 1,211,745 1,222,856 1,223,542 1,223,565 1,230,773 1,235,217 1,242,471 1,246,557 1,246,740 1,249,109 32: 1,226,900 1,248,248 37: 1,218,559 1,238,289 1,241,905 1,250,666 42: 1,232,251 44: 1,223,642 1,249,348 47: 1,212,116 1,213,573 1,213,722 1,219,927 1,227,145 1,228,178 1,251,025 48: 1,213,171 1,219,279 1,233,930 1,245,950 49: 1,228,342 1,234,146 1,236,406 1,241,338 50: 1,218,544 1,227,739 1,231,929 1,238,981 51: 1,250,147 54: 1,247,941 55: 1,221,219 1,239,652 56: 1,211,105 1,217,957 1,218,416 1,235,893 1,237,916 1,238,389 57: 1,214,872 1,214,896 1,215,655 1,218,314 1,221,886 1,222,199 1,230,922 1,231,028 1,234,577 1,235,094 1,235,729 1,237,971 1,238,248 1,241,226 1,242,135 1,242,303 1,242,531 1,243,361 1,244,096 1,247,403 1,247,539 1,248,002 1,248,061 1,250,550 59: 1,217,923 1,217,991 1,217,992 1,218,000 1,218,355 1,219,237 1,228,416 1,237,351 1,243,406 1,243,407 1,243,408 1,246,334 1,247,722 62: 1,247,296 65: 1,212,044 1,213,255 1,218,174
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Classification of patents—Continued.

100—	65: 1, 227, 355 1, 241, 981 1, 247, 233	101—	74: 1, 231, 661 76: 1, 234, 511 77: 1, 222, 306 79: 1, 210, 576 80: 1, 233, 456 81: 1, 214, 898 1, 217, 092 82: 1, 214, 243 83: 1, 212, 623 1, 214, 085 1, 214, 632 1, 217, 208 88: 1, 216, 181 89: 1, 214, 485 90: 1, 214, 538 1, 222, 359 1, 233, 520 93: 1, 232, 486 1, 233, 699 94: 1, 224, 413 1, 240, 256 95: 1, 228, 946 1, 241, 417 97: 1, 235, 665 99: 1, 220, 584 100: 1, 215, 404 1, 216, 150 1, 217, 646 1, 240, 828 103: 1, 226, 648 1, 226, 874 1, 241, 946 1, 245, 624 105: 1, 227, 204 106: 1, 232, 990 110: 1, 219, 384 1, 235, 424 1, 247, 014 112: 1, 240, 996 113: 1, 247, 305 115: 1, 231, 606 116: 1, 227, 176 118: 1, 237, 820 120: 1, 213, 425 1, 214, 877 1, 214, 878 1, 231, 555 121: 1, 226, 282 124: 1, 232, 639 126: 1, 214, 051 1, 248, 761 127: 1, 221, 389 1, 239, 760 129: 1, 229, 779 130: 1, 215, 494 131: 1, 224, 702 132: 1, 215, 788 1, 220, 863 1, 230, 783 133: 1, 222, 275 1, 226, 649 1, 235, 917 1, 243, 573 134: 1, 234, 310 161: 1, 230, 391 163: 1, 239, 242 165: 1, 230, 897 169: 1, 214, 216 1, 214, 662 172: 1, 217, 480 174: 1, 213, 880 1, 242, 908 178: 1, 223, 892 1, 230, 190 1, 231, 479 180: 1, 231, 737 181: 1, 223, 347 1, 224, 121 182: 1, 210, 862 1, 234, 888 184: 1, 213, 286 186: 1, 231, 282 1, 240, 159 187: 1, 210, 561 1, 210, 971 195: 1, 249, 917 197: 1, 238, 424 1, 243, 333 198: 1, 228, 529 1, 241, 391 199: 1, 224, 964 1, 240, 633 1, 251, 144 204: 1, 222, 743 211: 1, 230, 744 212: 1, 220, 585 213: 1, 229, 476 218: 1, 238, 324 1, 238, 325 1, 238, 326 219: 1, 226, 243 220: 1, 216, 198 224: 1, 222, 914	101—	224: 1, 229, 610 227: 1, 224, 813 231: 1, 240, 893 232: 1, 215, 132 233: 1, 237, 886 236: 1, 243, 740 1, 243, 802 238: 1, 244, 524 240: 1, 245, 645 247: 1, 231, 932 256: 1, 232, 329 273: 1, 220, 582 1, 220, 583 1, 225, 515 277: 1, 218, 049 279: 1, 237, 396 280: 1, 241, 321 282: 1, 227, 774 284: 1, 225, 667 288: 1, 217, 318 1, 235, 805 291: 1, 225, 513 297: 1, 219, 119 1, 245, 759 302: 1, 246, 268 307: 1, 239, 128 316: 1, 230, 966 329: 1, 215, 900 332: 1, 219, 383 333: 1, 327, 538 1, 241, 475 334: 1, 238, 293 1, 248, 184 335: 1, 232, 831 336: 1, 228, 928 338: 1, 228, 829 1, 232, 950 1, 234, 785 1, 247, 876 340: 1, 222, 745 341: 1, 222, 747 1, 244, 979 1, 246, 574 242: 1, 222, 742 1, 235, 135 344: 1, 243, 341 345: 1, 225, 668 1, 231, 747 348: 1, 222, 744 1, 239, 129 1, 240, 078 350: 1, 214, 856 351: 1, 237, 206 1, 242, 259 356: 1, 221, 642 362: 1, 249, 619 363: 1, 225, 800 1, 247, 943 1, 247, 944 1, 249, 681 368: 1, 218, 461 1, 249, 417 369: 1, 243, 289 370: 1, 242, 117 371: 1, 233, 311 374: 1, 221, 815 1, 225, 712 1, 238, 299 375: 1, 248, 319 378: 1, 223, 068 1, 217, 016 1, 240, 247 1, 247, 574 379: 1, 236, 304 1, 238, 229 380: 1, 231, 505 383: 1, 215, 435 1, 240, 315 396: 1, 241, 019 398: 1, 237, 684 400: 1, 238, 795 408: 1, 244, 548 409: 1, 227, 450 411: 1, 225, 670 413: 1, 231, 198 1, 241, 527 414: 1, 241, 241 415: 1, 245, 097 1, 250, 006 416: 1, 251, 173 420: 1, 223, 023 425: 1, 242, 373 426: 1, 217, 250 1, 249, 448	102—	2: 1, 233, 712 1, 234, 790 1, 239, 134 1, 243, 817 3: 1, 212, 048 1, 212, 536 1, 220, 962 1, 226, 196 1, 226, 197 1, 226, 348 1, 228, 753 1, 228, 755 1, 229, 661 1, 229, 797 1, 231, 950 1, 237, 492 1, 244, 377 1, 248, 799 4: 1, 248, 689 5: 1, 219, 609 1, 219, 645 1, 241, 386 1, 242, 838 1, 246, 501 1, 247, 567 6: 1, 220, 208 1, 223, 035 1, 226, 833 1, 230, 121 8: 1, 232, 814 9: 1, 218, 512 1, 239, 613 1, 240, 236 1, 242, 781 10: 1, 215, 329 1, 218, 504 1, 239, 247 1, 244, 346 11: 1, 218, 140 12: 1, 229, 049 13: 1, 243, 253 1, 246, 660 15: 1, 243, 155 16: 1, 233, 071 18: 1, 240, 859 20: 1, 217, 544 21: 1, 244, 046 24: 1, 236, 692 26: 1, 218, 546 1, 222, 142 1, 222, 288 1, 229, 170 1, 229, 421 1, 232, 627 1, 235, 076 1, 239, 309 1, 241, 409 1, 243, 542 1, 246, 204 1, 246, 726 1, 247, 989 1, 249, 372 28: 1, 219, 742 1, 223, 634 1, 243, 857 29: 1, 211, 001 1, 211, 626 1, 211, 936 1, 213, 397 1, 214, 253 1, 216, 364 1, 217, 016 1, 217, 556 1, 218, 832 1, 218, 871 1, 219, 724 1, 220, 803 1, 222, 051 1, 223, 598 1, 223, 599 1, 223, 600 1, 224, 163 1, 224, 885 1, 225, 497 1, 225, 884 1, 228, 723 1, 228, 748 1, 229, 506 1, 231, 228 1, 231, 451 1, 232, 590 1, 233, 224 1, 234, 358 1, 234, 438 1, 234, 657 1, 234, 713 1, 234, 881 1, 234, 943 1, 235, 637 1, 236, 295 1, 236, 736 1, 237, 012 1, 237, 658	102—	29: 1, 240, 217 1, 241, 095 1, 241, 545 1, 242, 053 1, 242, 944 1, 243, 641 1, 243, 781 1, 244, 298 1, 247, 331 1, 247, 430 1, 247, 659 1, 248, 656 31: 1, 231, 227 34: 1, 214, 275 36: 1, 214, 068 1, 214, 069 1, 227, 720 1, 228, 596 1, 230, 217 1, 233, 466 1, 238, 661 37: 1, 214, 586 1, 234, 574 1, 237, 816 1, 250, 410 39: 1, 211, 919 1, 216, 078 1, 216, 802 1, 216, 834 1, 221, 102 1, 221, 453 1, 221, 454 1, 224, 414 1, 224, 631 1, 226, 652 1, 229, 669 1, 230, 933 1, 232, 040 1, 232, 853 1, 236, 011 1, 237, 909 1, 239, 248 1, 250, 919 6: 1, 221, 269 1, 239, 692 1, 240, 550 8: 1, 213, 707 1, 215, 148 1, 215, 221 1, 221, 069 1, 221, 070 1, 221, 637 1, 221, 827 1, 226, 417 1, 230, 028 1, 231, 624 1, 234, 024 1, 237, 308 1, 237, 530 1, 246, 188 1, 250, 417 10: 1, 219, 714 1, 236, 469 1, 242, 231 1, 247, 892 29: 1, 214, 192 1, 249, 462 35: 1, 218, 497 1, 221, 040 1, 227, 032 1, 232, 054 1, 246, 842 1, 251, 325 43: 1, 211, 457 1, 211, 767 1, 213, 889 1, 215, 282 1, 215, 881 1, 220, 403 1, 231, 072 1, 231, 310 1, 232, 029 1, 232, 030 1, 238, 139 1, 241, 208 1, 242, 859 1, 246, 253 1, 250, 267 1, 250, 519 44: 1, 211, 879 1, 214, 300 1, 218, 602 1, 221, 333 1, 223, 036 1, 223, 734 1, 223, 997 1, 224, 567 1, 229, 676 1, 231, 640 1, 232, 257 1, 232, 260	103: 44: 1, 233, 069 1, 233, 599 1, 234, 262 1, 236, 399 1, 237, 273 1, 238, 467 1, 238, 817 1, 239, 706 1, 240, 211 1, 240, 264 1, 240, 489 1, 241, 513 1, 241, 624 1, 241, 704 1, 243, 060 1, 245, 691 1, 246, 241 1, 250, 021 1, 250, 860 1, 251, 095 51: 1, 215, 953 52: 1, 229, 781 1, 244, 552 53: 1, 223, 498 54: 1, 238, 258 1, 248, 230 56: 1, 218, 086 1, 226, 140 1, 247, 113 57: 1, 245, 435 58: 1, 235, 112 60: 1, 213, 776 1, 224, 546 1, 230, 976 1, 239, 574 1, 243, 113 61: 1, 217, 859 1, 225, 041 1, 232, 928 1, 236, 981 1, 249, 244 62: 1, 211, 408 1, 213, 935 1, 216, 415 1, 221, 645 1, 224, 417 1, 227, 014 1, 232, 533 1, 233, 858 1, 241, 604 1, 244, 077 1, 244, 534 1, 247, 203 1, 247, 487 63: 1, 212, 294 1, 214, 696 1, 215, 445 1, 221, 843 1, 224, 999 1, 243, 648 1, 245, 236 1, 248, 263 1, 249, 521 64: 1, 218, 848 1, 231, 477 1, 247, 533 1, 247, 708 65: 1, 218, 549 1, 224, 572 1, 226, 530 1, 234, 119 1, 236, 554 1, 242, 539 1, 251, 155 1, 211, 877 1, 212, 454 1, 214, 396 1, 214, 400 1, 216, 144 1, 216, 354 1, 218, 030 1, 219, 373 1, 219, 848 1, 222, 321 1, 222, 579 66: 1, 224, 447 1, 226, 870 1, 227, 759 1, 229, 455 1, 229, 456 1, 229, 457 1, 229, 459 1, 235, 338 1, 235, 409 1, 235, 558 1, 238, 334 1, 239, 015 1, 240, 461 1, 244, 286 1, 247, 696 1, 248, 026 67: 1, 216, 754
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Classification of patents—Continued.

103—	67:	1,219,867	104—	12:	1,244,307	104—	96:	1,249,912	104—	212:	1,247,781	105—	61:	1,211,654	105—	130:	1,210,935
		1,222,601			1,246,921		98:	1,239,001			1,249,263			1,219,673			1,212,762
		1,224,705			1,247,447		100:	1,210,886			1,250,318			1,221,399			1,212,813
		1,225,274			1,251,024			1,228,080		214:	1,246,478			1,225,161			1,214,049
		1,247,812			1,251,041			1,228,559			1,246,479			1,231,680			1,216,845
		1,250,315		14:	1,212,046		103:	1,244,300			1,249,346			1,243,932			1,217,583
		1,250,368			1,225,218		111:	1,218,200		215:	1,231,287			1,247,340			1,219,602
		1,250,423			1,230,058			1,226,314			1,234,033			1,249,870			1,220,134
70:		1,232,159			1,234,980			1,230,559		217:	1,244,839			1,250,983			1,222,877
71:		1,213,358			1,244,010			1,242,865		223:	1,221,371		67:	1,215,629			1,224,422
		1,225,676			1,246,907			1,244,735		224:	1,248,546			1,215,630			1,228,461
72:		1,233,439		17:	1,216,560			1,248,770		228:	1,222,193			1,215,631			1,229,935
73:		1,225,563		18:	1,220,963			1,249,455			1,222,621			1,215,632			1,239,705
		1,227,890			1,225,020		113:	1,216,694			1,231,513			1,215,690			1,240,141
75:		1,213,693			1,242,915			1,224,605		230:	1,216,639			1,217,892			1,248,935
		1,216,460		19:	1,220,031		116:	1,213,070	105—	4:	1,235,305			1,224,736		131:	1,218,583
		1,233,247			1,244,241			1,230,377		14:	1,224,796			1,235,659			1,229,554
		1,233,438			1,246,432			1,231,405			1,225,176			1,244,739			1,230,911
		1,238,670			1,247,010			1,233,448			1,236,527			1,244,740			1,239,347
		1,240,404		23:	1,223,945			1,235,113			1,244,684			1,245,142		132:	1,212,974
		1,244,160			1,231,481			1,238,005			1,244,698			1,250,229			1,218,066
		1,223,122			1,233,470			1,238,063			1,244,768		68:	1,224,760		137:	1,228,131
		1,224,532			1,239,031			1,244,401			1,213,770			1,219,953			1,232,918
		1,226,693			1,242,735			1,244,439			1,244,772			1,221,563			1,239,212
		1,240,712			1,243,613			1,247,537			1,248,890			1,210,448			1,241,105
		1,242,104			1,243,613		117:	1,236,197			1,249,624			1,214,510		139:	1,225,882
		1,244,913			1,244,738		118:	1,219,794			1,211,089			1,217,685		143:	1,212,487
		1,246,342			1,248,919			1,222,577		15:	1,212,121			1,222,970			1,235,487
77:		1,222,816		24:	1,210,838		119:	1,220,544			1,213,081			1,224,791		144:	1,215,252
		1,224,200			1,216,935			1,231,676			1,214,285			1,224,792		146:	1,226,119
		1,239,060			1,217,043		127:	1,219,733			1,215,892			1,224,866			1,238,676
		1,250,651			1,224,282			1,228,740			1,220,018			1,225,103		149:	1,221,574
78:		1,213,917			1,225,635			1,235,971			1,221,112			1,228,552		150:	1,213,902
		1,222,481			1,229,141			1,235,972			1,224,130			1,234,269			1,218,489
		1,250,050			1,235,379			1,239,191			1,225,302			1,239,458		151:	1,235,067
79:		1,214,902			1,238,006			1,242,847			1,227,034			1,240,064		167:	1,226,127
		1,215,134			1,238,094			1,246,486			1,228,983			1,241,047		172:	1,246,067
		1,243,201			1,238,189			1,251,205			1,229,374			1,244,769		173:	1,217,584
		1,247,544			1,239,262		130:	1,217,163			1,229,714			1,244,780			1,218,117
80:		1,219,799		25:	1,218,956		133:	1,220,122			1,230,484			1,244,824			1,218,957
		1,220,070			1,219,214			1,222,007			1,230,850			1,244,826			1,224,275
		1,221,519			1,234,522		146:	1,216,264			1,231,657			1,247,913			1,224,276
		1,238,036			1,238,889			1,216,930			1,237,088			1,247,914			1,228,952
		1,243,821			1,244,147			1,217,030			1,237,146			1,248,037			1,231,122
		1,246,543			1,245,167			1,219,062			1,237,154		78:	1,210,556			1,231,843
81:		1,241,178			1,246,698			1,226,851			1,238,874			1,221,434			1,235,372
82:		1,211,519			1,233,729		26:	1,232,367			1,243,141			1,227,408			1,245,327
		1,211,764			1,238,887			1,236,291			1,246,467			1,243,979			1,250,314
		1,218,152			1,238,888			1,237,067			1,246,817		84:	1,210,661		178:	1,221,523
		1,219,307			1,251,218			1,238,909			1,247,083			1,214,756		179:	1,220,311
		1,226,967		36:	1,214,406			1,242,835			1,247,230			1,217,197		180:	1,247,948
		1,230,155			1,215,008			1,245,185			1,247,553			1,220,905		181:	1,227,197
		1,230,554			1,233,664			1,246,139			1,250,370			1,221,908		183:	1,214,080
		1,230,612			1,235,445			1,250,002			1,250,982			1,228,938		184:	1,232,822
		1,242,842		38:	1,211,280			1,251,001		16:	1,227,808			1,240,922			1,239,863
		1,244,784			1,211,902		153:	1,211,845		17:	R. 14,350			1,246,880		185:	1,214,508
		1,249,665			1,243,355			1,222,213			1,225,490			1,248,806			1,223,148
83:		1,217,195		40:	1,211,892		155:	1,211,088			1,224,308		86:	1,211,078			1,224,797
84:		1,213,170			1,225,421			1,229,566			1,228,751			1,212,716			1,229,997
		1,214,951			1,233,437			1,240,184			1,230,248			1,219,443			1,233,596
		1,214,952			1,239,269			1,243,457			1,233,153			1,227,642			1,242,226
		1,224,068			1,239,338			1,247,042			1,236,679			1,228,271			1,244,699
		1,227,816			1,245,075		163:	1,216,706			1,242,762			1,241,078			1,248,666
		1,232,393			1,249,147			1,222,956			1,247,731			1,242,828		186:	1,235,739
		1,244,631			1,249,803			1,223,037			1,250,747			1,244,830			1,237,445
85:		1,212,791			1,249,981			1,226,390		19:	1,229,791			1,146,780		190:	1,227,819
		1,217,333			1,250,126			1,226,744			1,234,809			1,248,245			1,230,005
		1,221,921			1,251,123			1,227,288			1,236,943			1,250,659			1,236,165
		1,227,164		45:	1,216,108			1,232,063		21:	1,242,834		87:	1,214,782			1,236,368
		1,228,700			1,216,830			1,243,920		23:	1,225,854			1,239,892			1,245,352
		1,232,258			1,218,767			1,246,062			1,232,720			1,244,370			1,245,866
		1,238,939			1,222,781			1,251,242			1,233,113			1,216,003			1,248,412
		1,239,059			1,222,908		165:	1,239,077			1,242,331			1,220,087		190.2:	1,243,478
		1,213,152			1,241,769		168:	1,231,935			1,249,488			1,240,417		191:	1,210,462
		1,223,844			1,248,662		171:	1,220,612			1,215,083			1,250,797			1,223,031
		1,243,073			1,220,797			1,225,465		32:	1,215,159			1,225,273			1,224,404
		1,244,667			1,240,466			1,233,915			1,219,647		101:	1,224,094			1,232,958
87:		1,242,548			1,248,995			1,236,585			1,247,424		104:	1,243,757			1,232,959
		1,243,509			1,227,856			1,242,037			1,249,467			1,248,312			1,248,411
		1,217,958			1,234,817			1,244,849			1,249,305			1,223,526			1,250,838
		1,247,884			1,246,439		173:	1,231,679		33:	1,211,887			1,215,766			1,212,235
91:		1,250,863		51:	1,213,752		176:	1,224,840			1,220,930			1,222,552		192:	1,212,567
92:		1,214,978			1,214,942			1,225,008			1,226,420			1,224,128			1,221,740
		1,220,823			1,236,459			1,234,138			1,230,463			1,230,268			1,221,960
		1,248,743			1,238,861			1,242,696			1,232,835			1,232,835			1,224,050
93:		1,219,928			1,238,431			1,248,913			1,233,589		1				

105—	192:	1,238,709 1,239,773 1,240,110 1,244,047 1,244,632 1,244,633 1,244,677 1,244,718 1,244,806 1,244,807 1,244,808 1,244,809 1,244,907 1,244,908 1,245,803 1,246,143 1,247,822 1,248,792 1,249,562 1,250,136 1,251,316 194: 1,220,720 199: 1,217,174 201: 1,230,349 1,231,235 1,231,236 1,242,732 1,244,947 1,249,121 202: 1,236,237 205: 1,217,931 1,223,186 1,224,681 1,228,797 1,231,827 1,243,026 1,249,976 206: 1,250,307 207: 1,224,625 1,226,349 1,231,805 1,231,806 1,243,188 208: 1,225,166 211: 1,224,660 217: 1,216,063 218: 1,222,588 220: 1,224,122 1,241,498 1,242,308 223: 1,213,323 1,240,419 1,241,748 1,245,480 226: 1,227,192 1,233,979 227: 1,216,064 1,220,570 234: 1,238,021 238: R. 14, 317 1,217,150 1,218,110 1,222,610 1,238,738 1,241,492 1,242,513 1,242,528 1,242,529 1,242,596 1,242,597 1,245,664 239: 1,237,053 240: 1,229,708 241: 1,214,143 1,216,960 242: 1,231,487 1,232,917 1,242,075 243: 1,210,493 1,211,146 1,211,939 1,212,236 1,214,382 1,215,342 1,222,931 1,225,149 1,226,756 1,229,617 1,233,349 1,237,166 1,237,167 1,240,270 1,243,006 1,243,007 1,244,767 1,246,169 1,246,381 1,247,339 244: 1,213,205 1,213,206 1,213,252 1,215,086 1,220,170	105—	244: 1,229,398 1,235,745 1,238,465 1,239,211 1,240,166 1,241,375 1,241,394 1,241,396 1,241,688 1,247,872 248: 1,245,323 250: 1,212,850 1,214,175 252: 1,227,458 1,241,709 253: 1,223,904 1,238,977 254: 1,220,146 1,225,353 1,236,088 255: 1,212,071 1,219,113 1,237,833 1,237,917 259: 1,233,329 1,239,893 1,241,500 260: 1,219,334 1,223,593 1,228,574 1,233,710 1,240,861 263: 1,217,202 1,217,327 1,219,542 1,219,543 1,226,427 1,234,436 1,235,410 264: 1,224,776 1,226,647 1,229,884 1,231,074 1,237,156 1,245,281 1,245,841 1,245,840 1,248,763 265: 1,211,990 1,221,635 1,249,168 266: 1,221,982 1,228,616 267: 1,218,056 1,240,673 268: 1,217,605 1,246,840 106—	106—	16: 1,233,415 1,233,416 18: 1,228,485 1,228,486 1,230,085 20: 1,230,279 1,245,723 22: 1,210,982 1,211,227 1,211,526 1,213,144 1,214,414 1,215,072 1,216,265 1,216,266 1,216,515 1,216,516 1,216,728 1,217,115 1,218,146 1,225,749 1,225,750 1,228,428 23: 1,215,861 1,216,249 1,217,157 1,219,536 1,221,083 1,223,692 1,230,597 1,234,381 1,236,190 1,242,886 1,245,700 1,245,979 1,246,192 1,247,257 1,248,226 1,250,418 24: 1,212,840 1,213,555 1,217,335 1,218,239 1,220,401 1,223,834 1,226,292 1,226,547 1,226,779 1,230,381 1,234,692 1,241,211 1,242,421 1,242,422 1,244,326 1,244,519 1,249,028 25: 1,214,910 1,220,735 1,221,445 1,223,239 1,239,579 1,239,912 1,242,232 1,242,585 1,248,455 1,250,291 26: 1,244,280 29: 1,210,756 1,212,575 1,241,531 1,220,575 30: 1,216,186 1,220,575 1,237,078 1,245,608 31: 1,211,382 1,217,181 1,220,292 1,220,293 1,220,680 1,227,903 1,231,985 1,233,264 1,234,360 1,234,919 1,235,819 1,235,959 1,237,852 1,237,920 1,237,921 1,239,160 1,240,252 1,240,253 1,240,269 1,240,524 32: 1,235,270 33: 1,212,066	106—	33: 1,245,363 34: 1,211,028 1,211,445 1,231,519 1,241,068 1,245,021 35: 1,239,032 36: 1,246,808 36.1: 1,214,202 1,226,088 1,234,457 1,245,487 36.2: 1,220,253 1,239,112 1,243,362 1,249,937 1,251,459 37: 1,217,123 1,233,374 1,242,783 1,245,976 1,245,983 38: 1,238,528 1,245,975 1,245,977 1,245,984 39: 1,238,072 1,246,806 1,248,033 40: 1,213,115 1,216,581 1,217,027 1,217,028 1,226,339 1,226,340 1,226,341 1,226,342 1,226,343 1,229,485 1,229,486 1,229,487 1,241,738 1,244,107 1,244,347 1,244,348 1,244,349 1,245,476 1,251,237 75: 1,242,069 180: 1,234,918 107—	107—	27: 1,243,668 28: 1,216,665 29: 1,227,713 30: 1,214,465 1,225,138 1,232,697 1,239,847 39: 1,237,585 1,238,461 45: 1,217,345 1,241,165 46: 1,212,040 1,225,221 1,228,288 1,233,184 1,251,026 47: 1,218,116 48: 1,224,007 1,232,309 1,236,279 1,238,429 1,246,032 49: 1,222,039 50: 1,212,039 1,239,593 1,247,162 51: 1,218,389 53: 1,238,656 54: 1,210,496 1,212,900 1,217,891 1,239,167 55: 1,212,390 1,239,246 1,243,605 57: 1,215,144 58: 1,215,556 1,215,829 1,216,274 1,216,275 1,216,292 1,232,820 1,238,544 1,240,909 1,243,318 1,247,090 60: 1,229,946 61: 1,238,663 63: 1,244,502 66: 1,224,564 1,245,008 67: 1,216,703 1,221,914 1,225,864 108—	108—	1: 1,239,331 1,239,332 5: 1,221,891 1,221,892 1,218,340 1,227,714 1,229,375 1,250,779 7: 1,214,302 1,221,321 1,224,600 1,238,897 1,246,335 1,249,294 8: 1,236,837 1,250,470 9: 1,216,512 1,226,248 1,226,249 1,226,250 1,226,251 1,236,505 1,242,079 1,242,753 1,244,801 1,248,629 12: 1,225,481 13: 1,245,597 14: 1,218,985 1,226,642 1,228,495 1,236,555 1,217,778 1,229,188 1,231,396 1,232,192 1,233,335 19: 1,219,711 1,231,626 20: 1,216,936 1,217,341 1,221,423 21: 1,230,288 1,231,279 1,240,000 22: 1,242,542 26: 1,231,817 27: 1,210,946 1,229,671	108—	6: 1,241,146 1,250,622 1,250,623 7: 1,210,855 1,221,870 1,225,972 1,237,270 1,242,675 1,243,064 8: R. 14, 387 1,213,472 1,244,148 9: 1,227,776 10: 1,226,097 1,226,888 1,237,687 1,248,349 1,249,362 1,249,662 12: 1,218,676 1,226,334 1,231,240 13: 1,227,463 1,251,310 16: 1,211,053 1,211,079 1,216,194 1,219,177 1,220,219 1,227,861 1,233,530 1,236,008 1,240,777 1,243,001 1,245,320 17: 1,218,399 1,226,355 1,226,564 1,236,510 19: 1,227,402 20: 1,232,196 1,235,714 25: 1,217,459 1,244,500 26: 1,213,022 1,213,649 1,218,937 1,231,711 1,244,750 1,247,698 1,249,892 27: 1,222,953 1,230,363 28: 1,226,712 1,243,119 29: 1,235,619 31: 1,223,956 1,239,421 32: 1,238,246 54: 1,237,292 59: 1,236,211 109—	109—	1: 1,214,091 1,218,248 1,211,782 1,232,330 1,234,022 1,235,808 1,243,104 2: 1,229,250 1,249,604 3: 1,212,307 4: 1,238,427 8: 1,211,875 12: 1,213,766 15: 1,224,481 1,224,482 3.5: 1,248,816 8: 1,232,894 1,239,403 1,240,737 10: 1,236,986 12: 1,230,380 1,233,288 1,235,452 1,238,034 14: 1,232,724 15: 1,245,914 17: 1,226,943 1,232,138 1,238,420 18: 1,218,325 1,220,849 1,235,918 1,246,416 21: 1,231,535 1,238,698 1,245,385 23: 1,229,706 25: 1,221,627 27: 1,244,311 28: 1,222,344 1,228,769 1,229,685
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110—	28: 1,234,870 29: 1,233,554 30: 1,225,280 31: 1,214,520 1,226,082 1,228,475 1,248,213 1,251,426 35: 1,251,146 37: 1,242,112 1,246,639 1,249,945 38: 1,211,755 1,223,661 1,223,830 1,231,930 39: 1,221,073 1,232,687 40: 1,213,661 1,224,125 1,224,904 1,227,707 1,231,325 1,242,263 1,243,868 1,243,869 1,243,870 1,243,871 1,249,048 43: 1,247,969 44: 1,211,592 1,215,529 1,219,256 1,220,161 1,222,452 1,233,821 1,240,614 47: 1,240,969 1,243,055 48: 1,228,456 49: 1,231,373 1,243,943 52: 1,211,149 54: 1,234,154 1,247,215 1,250,832 55: 1,227,057 58: 1,216,392 1,217,267 1,242,124 60: 1,240,394 65: 1,221,082 1,233,444 1,235,516 66: 1,215,068 73: 1,230,962 1,240,971 74: 1,214,422 75: 1,213,146 1,226,167 1,229,887 1,247,761 1,248,990 1,250,732 76: 1,212,435 1,215,418 1,229,387 86: 1,223,828 87: 1,213,107 1,229,376 1,229,377 1,229,378 1,229,380 1,229,381 1,229,384 1,229,385 1,229,388 1,229,389 1,229,390 1,229,391 1,229,392 1,229,393 1,231,854 95: 1,243,959 97: 1,223,781 1,229,320 98: 1,211,912 1,217,492 101: 1,242,336 103: 1,211,591 1,234,317 1,239,918 104: 1,213,820 1,213,821 1,213,822 1,214,753 1,228,632 1,231,327 1,231,488 1,232,640 1,237,304 1,243,753 109: 1,243,237	110—	114: 1,222,109 1,222,430 1,243,186 115: 1,225,802 118: 1,211,979 1,223,626 119: 1,228,588 1,237,791 1,243,214 121: 1,243,708 122: 1,223,388 1,234,235 1,241,059 124: 1,245,284 150: 1,240,870 151: 1,239,370 154: 1,233,047 165: 1,238,526 167: 1,234,848 168: 1,213,708 171: 1,250,469 175: 1,230,776 1,243,883 177: 1,235,227 1,235,228 178: 1,241,061 182.6: 1,212,293 111—	114—	1: 1,218,712 1,231,353 3: 1,216,377 1,230,806 4: 1,238,756 5: 1,215,478 1,215,607 1,215,943 1,216,281 1,218,820 6: 1,211,368 1,211,558 1,212,067 1,212,414 1,212,477 1,213,112 1,214,041 1,214,571 1,215,626 1,215,627 1,215,628 1,215,960 1,216,419 1,216,449 1,216,788 1,217,011 1,217,780 1,218,159 1,218,961 1,219,644 1,220,684 1,221,192 1,223,838 1,226,187 1,226,515 1,227,018 1,229,988 7: 1,212,946 1,222,228 9: 1,213,830 1,218,421 11: 1,211,603 1,219,996 1,220,014 1,222,386 16: 1,243,541 1,244,957 18: 1,215,472 1,215,809 1,222,644 1,226,707 22: 1,219,361 1,234,592 1,251,021 24: 1,211,004 1,211,365 1,212,412 1,215,599 1,222,522 27: R. 14,238 1,211,861 1,218,919 1,230,465 28: 1,229,941 30: 1,236,562 32: 1,213,411 1,216,171 1,222,884 1,226,800 34: 1,210,636 1,211,836 1,212,849 1,213,711 1,213,737 1,217,863	112—	34: 1,218,773 1,220,249 1,222,113 1,223,967 1,250,559 35: 1,241,502 36: 1,211,929 1,223,142 38: 1,211,596 1,212,835 1,215,955 1,236,028 40: 1,213,554 1,215,614 1,215,615 1,215,616 1,215,794 1,218,866 1,221,863 1,222,208 1,225,873 1,226,746 1,236,358 1,248,717 43: 1,212,413 46: 1,211,265 47: 1,230,353 49: 1,246,975 52: 1,243,560 56: 1,250,297 59: 1,233,375 1,239,646 67: 1,242,061 69: 1,233,010 1,245,208 73: 1,229,158 1,238,170 79: 1,231,558 80: 1,229,194 1,229,604 1,234,525 1,247,763 81: 1,247,744 85: 1,235,892 87: 1,229,721 1,234,372 90: 1,238,393 93: 1,234,478 96: 1,235,139 112—	112—	7: 1,223,564 1,223,719 1,224,311 1,227,119 1,228,866 1,229,836 1,234,393 1,234,741 1,235,148 1,237,927 1,238,392 1,238,033 1,239,115 1,241,022 1,247,264 1,248,555 1,248,556 8: 1,211,804 1,211,808 1,213,788 2,14,063 1,216,687 1,217,328 1,217,329 1,220,007 1,220,726 1,221,138 1,222,339 1,223,570 1,223,628 1,229,393 1,231,133 1,231,824 1,232,091 1,233,428 1,237,322 1,238,174 1,238,197 1,238,541 1,242,402 1,242,403 1,243,089 1,243,160 1,243,745 1,244,115 1,244,479 1,246,795 1,248,827 1,250,437 1,251,353 9: 1,223,860 1,223,156 1,238,857 1,244,201 1,245,306 1,248,841 10: 1,216,298 11: 1,225,045 1,235,587 1,235,751 13: 1,221,291 1,227,980 1,234,965 1,241,733 1,243,809 1,247,081 1,249,560 14: 1,212,516 1,218,517 1,221,857 1,244,361 15: 1,228,125 16: 1,210,671 1,2
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Classification of patents—Continued.

113—	42: 1,229,572 1,235,197 1,210,629 46: 1,212,230 1,245,059 48: 1,239,177 49: 1,213,565 1,219,428 1,228,617 50: 1,241,517 51: 1,216,396 1,234,586 1,248,482 52: 1,240,791 57: 1,237,630 59: 1,233,451 1,233,452 1,233,453 1,238,257 61: 1,223,557 1,244,105 67: 1,214,420 79: 1,214,735 80: 1,223,784 1,227,160 1,234,109 1,237,805 1,245,180 1,249,714 82: 1,211,266 1,237,200 89: 1,237,897 99: 1,242,610 103: 1,240,326 104: 1,239,233 105: 1,221,566 109: 1,232,734 1,233,614 1,233,963 1,234,557 111: R. 14,401 1,215,802 112: 1,220,772 1,231,290 1,233,345 1,233,803 1,242,417 1,246,909 1,247,250 1,248,830 1,248,831 1,250,881 113: 1,216,773 1,218,034 1,242,206 1,244,056 114: 1,226,777 1,233,469 1,236,389 1,250,406 115: 1,212,754 1,236,390 116: 1,213,564 1,220,744 1,223,848 1,224,579 1,225,200 1,225,788 1,228,766 1,232,972 1,232,973 1,235,640 1,236,043 1,245,596 1,247,931 1,251,067 114— .5: 1,220,825 1,225,662 1,228,756 4: 1,247,889 13: 1,236,033 1,236,034 14: 1,243,143 16: 1,213,153 1,216,564 1,219,667 1,222,156 1,222,498 1,224,027 1,224,105 1,228,004 1,232,241 1,232,667 1,232,669 1,232,670 1,232,672 1,234,915 1,235,781 1,239,723 1,240,189 1,244,242 1,244,243 1,247,974	114— 16: 1,245,334 1,250,987 16.5: 1,215,908 1,223,606 1,238,892 1,243,797 16.7: 1,210,840 1,215,905 1,221,282 1,232,668 1,233,489 1,235,780 16.8: 1,234,456 17: 1,215,387 1,235,782 1,242,768 18: 1,247,963 20: 1,232,671 1,234,737 21: 1,212,468 1,223,212 22: 1,250,235 23: 1,221,964 1,228,754 1,250,178 24: 1,233,761 25: 1,223,747 51: 1,236,956 1,240,979 1,246,172 52: 1,236,539 1,240,180 1,240,538 53: 1,250,787 54: 1,228,914 1,233,141 1,239,260 55: 1,240,120 56: 1,220,558 57: 1,227,357 60: 1,233,380 1,233,381 65: 1,228,922 1,240,129 1,244,762 66: 1,247,155 66.5: 1,217,828 1,221,871 1,222,674 1,223,318 1,227,784 1,233,708 1,238,408 1,246,014 68: 1,223,154 1,224,678 1,233,226 1,240,007 1,240,414 1,240,873 1,241,799 1,243,646 69: 1,243,427 72: 1,249,690 74: 1,234,675 77: R. 14,329 1,220,408 1,228,055 1,236,326 78: 1,220,867 1,222,385 1,246,494 1,250,560 79: 1,249,173 82: 1,229,413 1,231,232 89: 1,243,198 91: 1,213,576 107: 1,248,067 122: 1,220,551 123: 1,216,522 125: 1,239,999 145: 1,220,026 1,223,416 1,238,479 146: 1,225,913 148: 1,227,983 150: 1,237,333 151: 1,240,932 1,243,197 152: 1,246,475 163: 1,211,316 1,247,448 164: 1,235,681 170: 1,217,845 174: 1,220,936 185: 1,241,408 188: 1,246,606 190: 1,224,819 191: 1,215,233 192: 1,239,226 1,245,769	114— 194: 1,220,553 195: 1,222,420 1,235,259 1,244,158 1,248,734 1,248,797 200: 1,226,731 201: 1,241,385 202: 1,237,841 203: 1,226,878 208: 1,239,557 211: 1,228,677 219: 1,210,832 1,213,117 1,219,692 1,243,117 1,245,069 1,250,604 221: 1,214,238 1,246,593 1,247,111 222: 1,213,091 224: 1,247,815 225: 1,212,345 227: 1,221,496 1,249,422 229: 1,226,881 230: 1,221,012 235: 1,231,067 238: 1,222,198 1,247,417 240: 1,217,812 1,218,371 1,219,879 1,219,929 1,223,536 1,223,627 1,225,461 1,225,498 1,232,060 1,233,237 1,235,440 1,237,883 1,238,840 1,238,977 1,240,152 1,240,495 1,241,602 1,241,902 1,242,082 1,243,144 1,243,848 1,243,956 1,244,627 1,244,963 1,245,556 1,246,073 1,247,295 1,247,439 1,247,686 1,247,994 1,248,564 1,248,788 1,248,940 1,249,170 1,249,323 1,249,836 1,249,844 1,251,326 241: 1,240,317 1,242,385 1,242,611 1,249,107 1,249,144 115— 1: 1,216,246 1,237,174 1,237,175 12: 1,229,729 1,237,674 14: 1,239,009 16: 1,225,252 17: 1,246,729 18: 1,222,124 1,228,776 1,231,046 1,234,293 1,234,370 1,234,929 19: 1,241,065 22: 1,232,751 23: 1,226,095 1,238,244 1,244,068 24: 1,244,073 25: 1,224,653 31: 1,218,027 33: 1,224,274 34: 1,216,549 1,228,094 1,239,180 1,240,023	115— 34: 1,247,082 35: 1,223,616 37: 1,224,120 1,229,583 1,235,991 1,245,486 42: 1,226,400 1,226,699 63: 1,236,191 116— 1: R. 14,378 1,212,538 1,213,732 1,218,229 1,220,762 1,221,920 1,222,040 1,223,286 1,224,843 1,225,940 1,226,089 1,226,624 1,229,453 1,230,602 1,232,444 1,232,579 1,232,583 1,232,603 1,235,727 1,236,411 1,237,074 1,237,842 1,239,036 1,239,425 1,239,426 1,239,780 1,241,800 1,242,058 1,242,957 1,243,650 1,243,915 1,244,181 1,245,010 1,245,299 1,247,325 1,247,987 1,249,255 1,250,476 1,251,270 9: 1,225,036 1,240,889 1,245,415 11: 1,224,028 1,229,299 1,229,370 1,240,618 12: 1,227,587 1,228,092 1,236,417 1,241,433 13: 1,218,225 1,238,291 15: 1,211,271 1,212,124 1,213,444 1,238,502 22: 1,238,387 1,240,640 1,248,633 1,250,083 31: 1,211,213 1,212,070 1,212,316 1,213,753 1,215,097 1,215,225 1,215,661 1,216,412 1,216,482 1,217,052 1,217,075 1,217,105 1,218,308 1,218,944 1,219,102 1,219,233 1,219,346 1,221,078 1,221,222 1,221,603 1,221,772 1,222,301 1,222,379 1,222,862 1,223,250 1,223,981 1,224,348 1,225,022 1,225,058 1,225,714 1,225,721 1,226,429 1,226,445 1,226,755	116— 31: 1,227,842 1,229,167 1,229,246 1,229,764 1,229,922 1,231,949 1,232,115 1,232,190 1,232,348 1,232,995 1,233,203 1,233,386 1,233,479 1,234,021 1,234,157 1,234,448 1,234,588 1,234,823 1,234,831 1,234,975 1,236,340 1,236,755 1,237,019 1,237,082 1,237,120 1,237,291 1,237,976 1,238,004 1,238,116 1,238,988 1,239,349 1,239,668 1,239,741 1,240,115 1,240,310 1,240,639 1,240,702 1,241,444 1,242,393 1,242,259 1,244,560 1,244,883 1,245,386 1,245,457 1,245,527 1,245,639 1,247,061 1,247,797 1,247,845 1,248,937 1,249,120 1,249,451 1,249,463 1,250,506 1,251,184 31.7: 1,232,124 1,245,593 1,247,691 1,248,229 1,248,641 1,248,938 32: 1,218,383 33: 1,217,476 1,225,489 1,226,010 1,233,959 1,236,117 1,237,384 1,237,818 1,245,508 35: 1,221,700 40: 1,214,831 1,229,549 1,231,357 1,231,358 41: 1,225,787 1,229,080 1,244,313 44: 1,211,732 1,212,285 1,213,389 1,214,695 1,218,038 1,227,991 1,230,267 1,239,497 1,241,484 1,246,915 48: 1,221,470 49: 1,216,631 1,219,418 1,220,696 1,225,387 1,230,474 1,235,767 55: 1,213,058 56: 1,233,469 1,232,965 1,232,549 59: 1,210,898	116— 59: 1,213,402 60: 1,211,737 1,220,926 61: 1,219,168 1,238,618 1,243,983 62: 1,219,973 1,236,287 65: 1,215,209 1,217,773 1,218,292 1,233,002 1,249,956 118— 3: 1,222,405 8: 1,223,560 12: 1,214,211 14: 1,210,641 16: 1,224,800 18: 1,242,947 35: 1,233,591 36: 1,231,564 38: 1,217,067 48: 1,213,741 49: 1,219,314 1,230,097 1,232,685 1,232,686 1,240,214 51: 1,233,988 57: 1,222,840 1,230,272 59: 1,226,661 62: 1,212,222 69: 1,232,374 119— 1: 1,224,305 1,237,983 5: 1,214,637 1,227,732 1,248,169 7: 1,239,558 14: 1,223,697 15: 1,212,771 1,243,136 16: 1,211,839 1,226,783 1,230,624 17: 1,211,546 1,227,814 1,248,220 18: 1,215,417 1,227,471 1,239,151 19: 1,212,540 1,213,124 1,215,740 1,217,677 1,237,624 20: 1,230,237 21: 1,212,289 1,214,780 1,218,259 1,222,901 1,240,467 22: 1,210,592 1,213,526 1,217,278 1,238,349 23: 1,230,780 1,214,412 25: 1,224,453 1,227,647 1,232,136 1,233,533 1,233,703 1,245,159 1,246,705 1,247,471 1,249,202 27: 1,236,326 1,242,322 30: 1,211,977 1,227,377 31: 1,245,829 32: 1,210,438 1,215,982 1,225,063 1,226,235 1,227,120 1,234,782 1,235,350 1,244,111 1,245,041 33: 1,236,086 34: 1,230,917 1,234,425 1,239,637 35: 1,224,336 37: 1,214,053 38: 1,232,868 39: 1,219,643 1,229,091 1,231,029
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Classification of patents—Continued.

119— 39: 1,231,112	119— 77: 1,211,980	119— 150: 1,239,963	120— 46: 1,214,310	121— 19: 1,220,331	121— 91: 1,246,559
40: 1,225,953	1,226,594	1,246,758	1,216,732	1,226,272	94: 1,227,173
42: 1,215,293	1,227,366	152: 1,226,201	1,217,900	20: 1,211,049	97: 1,210,621
43: 1,245,747	1,245,072	153: 1,227,794	1,219,675	1,212,272	1,210,871
44: 1,222,617	78: 1,238,303	1,228,888	1,228,177	1,217,378	1,217,648
1,235,066	80: 1,216,854	154: 1,236,549	1,231,256	1,219,932	1,218,010
1,242,670	81: 1,210,601	156: 1,233,871	1,237,619	1,220,100	1,219,308
1,215,712	1,237,725	157: 1,211,187	1,238,657	1,221,469	1,222,194
45: 1,216,766	82: 1,212,112	1,212,415	1,239,971	1,221,615	1,225,565
1,240,277	1,213,421	1,213,682	1,242,323	1,222,353	1,226,549
1,245,053	1,221,156	1,216,081	1,243,383	1,229,424	1,227,715
46: 1,229,881	1,224,045	1,219,352	1,247,037	1,233,477	1,227,812
47: 1,217,721	1,235,125	1,221,484	1,247,169	1,236,614	1,231,812
1,224,318	1,242,757	1,221,675	1,249,501	1,236,664	1,231,813
1,240,972	1,247,114	1,225,456	1,251,421	1,236,701	1,236,537
48: 1,221,540	84: 1,211,274	1,225,920	1,239,972	1,236,702	1,238,175
1,234,841	85: 1,237,468	1,229,094	1,246,232	1,236,708	1,238,608
49: 1,210,550	1,249,552	1,229,435	48: 1,220,875	1,236,704	1,239,933
1,214,827	88: 1,211,311	1,235,265	1,228,781	1,238,018	1,240,693
1,216,213	1,222,473	1,237,606	50: 1,222,555	1,240,649	1,241,745
1,222,650	1,225,133	1,237,784	1,242,062	1,240,708	1,246,343
1,240,487	1,226,757	1,238,093	55: 1,247,065	1,240,709	1,247,366
1,251,327	1,235,138	1,238,900	57: 1,218,663	1,242,882	1,248,405
1,251,431	1,240,124	1,241,023	58: 1,215,495	1,243,770	1,249,534
50: 1,212,268	1,241,928	1,241,495	59: 1,242,991	1,245,603	98: 1,212,830
1,221,175	1,243,846	1,243,127	1,246,214	1,247,080	1,214,965
1,229,164	1,251,049	1,243,961	64: 1,223,703	1,248,481	1,221,604
1,243,591	91: 1,213,742	1,219,842	68: 1,228,921	1,250,932	1,221,716
51: 1,221,019	96: 1,214,251	1,230,843	1,241,947	1,251,121	1,221,876
52: 1,215,725	1,243,118	1,233,286	71: 1,219,011	1,251,391	1,221,947
1,222,389	97: 1,213,964	1,213,129	72: 1,227,209	24: 1,234,971	1,230,049
1,225,645	1,218,905	1,215,336	1,227,977	25: 1,229,009	1,231,137
1,228,727	1,227,261	1,234,111	74: 1,211,660	1,239,310	1,231,855
1,228,929	1,234,778	1,240,111	1,213,748	27: 1,212,998	1,232,797
1,240,864	98: 1,241,514	3: 1,246,385	1,216,762	29: 1,222,863	1,234,481
53: 1,212,937	1,243,838	5: 1,227,009	1,238,177	1,233,003	1,248,357
1,223,199	99: 1,223,126	6: 1,223,499	1,222,152	35: 1,224,939	99: 1,219,549
1,227,524	1,225,311	1,226,238	1,224,769	1,228,502	1,222,266
1,229,026	1,227,712	1,238,111	1,233,815	39: 1,223,979	1,226,523
1,233,213	1,235,483	1,244,054	1,215,473	42: 1,241,625	1,239,747
1,246,751	102: 1,233,809	1,247,486	1,218,741	43: 1,250,569	1,243,760
1,249,765	103: 1,218,381	8: 1,220,792	1,245,972	45: 1,211,209	1,247,923
1,250,744	1,232,556	1,229,312	89: 1,214,996	1,214,858	103: 1,235,834
54: 1,222,556	1,234,733	13: 1,216,070	90: 1,233,851	1,214,859	1,246,621
1,226,474	105: 1,224,237	14: 1,236,069	1,234,686	1,218,219	1,232,846
1,234,731	1,226,709	1,242,089	1,246,419	1,227,836	1,249,799
1,238,212	1,227,606	17: 1,245,739	1,248,015	1,228,496	1,216,777
1,239,116	1,236,432	18: 1,234,666	91: 1,248,733	1,228,555	1,221,356
1,240,437	1,247,870	21: 1,231,838	93: 1,223,579	1,230,070	1,225,342
55: 1,214,145	110: 1,217,182	23: 1,218,849	1,225,412	1,232,093	1,226,109
56: 1,214,314	115: 1,212,017	1,230,589	1,228,672	1,234,560	1,226,820
1,219,114	1,220,662	24: 1,225,519	1,236,823	1,239,826	1,242,285
58: 1,234,349	1,221,056	25: 1,248,304	1,238,978	1,239,827	1,249,789
1,240,134	1,221,651	26: 1,243,911	1,223,541	1,241,875	1,210,674
60: 1,216,203	1,228,390	28: 1,211,833	1,242,049	1,243,554	1,211,344
61: 1,212,142	1,233,551	1,221,369	1,234,652	1,246,953	1,211,692
1,213,053	1,242,302	1,226,452	95: 1,234,652	1,237,491	1,213,217
1,214,240	1,247,626	1,231,926	96: 1,249,579	1,238,062	1,214,303
1,220,441	120: 1,233,649	1,236,050	97: 1,231,127	48: 1,243,163	1,214,429
1,228,301	126: 1,220,717	1,241,130	98: 1,224,495	52: 1,218,716	1,216,521
1,228,421	1,248,651	1,242,914	1,231,023	54: 1,214,981	1,220,153
1,234,054	128: 1,244,628	1,244,322	101: 1,219,337	1,247,552	1,222,361
1,243,689	130: 1,214,927	1,245,909	1,227,691	58: 1,214,207	1,222,362
1,244,256	1,234,612	1,251,006	1,230,312	1,218,468	1,222,363
1,248,646	1,234,839	1,222,282	1,231,910	1,235,937	1,224,239
1,249,832	1,237,278	1,247,062	1,234,506	1,235,938	1,224,751
63: 1,212,910	136: 1,226,021	1,217,112	1,236,071	1,235,939	1,225,101
1,234,117	1,239,562	1,226,939	1,239,126	1,235,992	1,229,258
1,234,496	1,245,116	1,227,436	1,243,248	1,235,990	1,229,498
1,239,170	138: 1,217,696	33: 1,218,709	1,244,343	1,246,039	1,232,140
1,251,374	1,227,353	1,244,323	1,247,183	1,239,412	1,234,972
65: 1,220,502	1,228,913	34: 1,216,004	106: 1,212,034	62: 1,217,768	1,237,545
1,229,573	139: 1,237,354	1,245,027	107: 1,217,063	63: 1,214,568	1,237,853
1,246,720	1,241,443	1,248,315	108: 1,240,706	64: 1,220,173	1,238,191
68: 1,235,923	1,241,842	1,251,329	109: 1,213,095	1,220,706	1,239,726
70: 1,217,438	1,245,842	35: 1,215,010	110: 1,225,067	1,222,990	1,240,456
1,249,774	142: 1,217,034	36: 1,216,648	113: 1,238,201	1,227,350	1,240,764
72: 1,224,043	1,247,562	1,216,889	1,248,989	1,227,780	1,241,770
73: 1,211,054	1,250,017	1,218,948	116: 1,217,324	1,231,437	1,241,837
1,213,897	147: 1,211,586	1,220,282	1: 1,232,083	1,243,494	1,242,142
1,220,404	148: 1,215,869	1,222,592	4: 1,211,686	1,218,290	1,247,949
1,224,544	1,217,434	1,237,474	8: 1,213,192	1,219,896	1,250,431
1,228,230	1,217,435	1,250,227	10: 1,212,141	1,235,930	1,251,212
1,238,670	1,224,435	38: 1,224,992	1,221,862	1,239,829	1,231,261
1,240,758	1,234,044	1,236,351	1,222,823	1,247,368	1,232,557
1,246,786	149: 1,214,176	1,237,013	1,225,898	67: 1,247,368	1,237,611
1,249,999	1,214,178	1,248,988	1,248,006	68: 1,238,501	1,217,021
1,251,338	1,214,428	39: 1,215,538	1,219,410	69: 1,241,755	1,213,553
74: 1,214,455	1,215,398	40: 1,243,447	1,248,966	73: 1,246,248	1,227,723
1,215,090	1,223,922	1,247,714	11: 1,217,117	74: 1,227,968	1,226,789
1,218,899	1,225,003	41: 1,249,989	14: 1,211,645	1,231,769	1,227,461
1,251,215	1,232,117	1,237,979	1,211,646	1,238,870	1,228,185
75: 1,214,308	1,235,683	42: 1,212,020	1,212,726	1,239,752	1,236,987
1,210,693	1,250,759	1,220,824	1,210,747	75: 1,232,845	1,240,415
1,227,279	150: 1,212,701	1,235,096	1,236,910	78: 1,223,022	1,242,219
1,228,224	1,216,327	43: 1,214,072	1,242,452	1,223,234	1,246,159
1,231,073	1,225,320	44: 1,244,070	1,245,442	1,242,332	1,246,196
1,237,096	1,227,227	46: 1,214,397	1,246,955	80: 1,219,837	1,250,434
1,237,447	1,239,782	1,212,297	1,251,328	84: 1,220,244	1,223,340
1,249,139	1,239,783	1,212,744	1,237,957	86: 1,243,830	1,234,687
1,251,376	1,239,784	1,213,725	1,214,087	1,248,208	1,240,743
76: 1,212,537	1,239,900			87: 1,211,563	1,242,246

INDEX OF PATENTS ISSUED FROM THE

Classification of patents—Continued.

121—	120: 1, 247, 299 1, 250, 219 122: 1, 215, 200 1, 239, 535 122— 1: 1, 234, 201 4: 1, 231, 896 1, 235, 802 1, 243, 572 1, 248, 661 6: 1, 227, 672 1, 240, 950 6.5: 1, 247, 666 7: 1, 234, 396 16: 1, 211, 858 18: 1, 211, 801 1, 227, 806 1, 244, 183 19: 1, 237, 737 20: 1, 216, 811 1, 221, 520 1, 238, 942 22: 1, 244, 924 23: 1, 216, 659 1, 228, 867 1, 239, 303 1, 239, 398 1, 239, 546 1, 244, 775 27: 1, 235, 840 32: 1, 224, 811 33: 1, 220, 344 1, 251, 262 37: 1, 219, 741 39: 1, 235, 811 1, 240, 804 45: 1, 210, 586 1, 238, 877 54: 1, 250, 979 58: 1, 216, 127 1, 249, 790 59: 1, 249, 079 64: 1, 229, 382 1, 229, 383 1, 248, 356 68: 1, 229, 379 1, 241, 985 71: 1, 229, 386 75: 1, 212, 889 1, 235, 916 102: 1, 221, 028 108: 1, 246, 428 115: 1, 225, 417 117: 1, 249, 219 131: 1, 226, 868 143: 1, 236, 574 149: 1, 218, 453 1, 230, 990 155: 1, 230, 167 1, 243, 901 160: 1, 219, 722 1, 250, 867 161: 1, 212, 636 162: 1, 219, 229 165: 1, 220, 312 1, 234, 073 183: 1, 223, 653 212: 1, 210, 766 1, 216, 122 1, 232, 587 1, 244, 375 214: 1, 216, 661 215: 1, 234, 461 216: 1, 215, 814 218: 1, 218, 133 225: 1, 231, 875 1, 235, 007 1, 235, 764 1, 240, 517 1, 242, 856 230: 1, 211, 722 1, 215, 031 235: 1, 223, 108 249: 1, 212, 732 1, 214, 468 1, 217, 133 250: 1, 239, 991 1, 246, 084 1, 246, 813 1, 249, 644 265: 1, 215, 806 1, 244, 603 274: 1, 234, 173 290: 1, 221, 431 1, 236, 641 1, 237, 233 292: 1, 215, 765 296: 1, 225, 304 303: 1, 219, 855 305: 1, 240, 994 349: 1, 229, 171 350: 1, 236, 155 356: 1, 246, 332 359: 1, 244, 316	122— 360: 1, 220, 254 373: 1, 211, 728 374: 1, 224, 159 379: 1, 215, 165 383: 1, 233, 776 389: 1, 222, 564 1, 246, 525 390: 1, 217, 755 392: 1, 222, 177 1, 222, 641 1, 225, 292 1, 231, 276 1, 235, 317 1, 240, 926 1, 243, 464 1, 245, 570 396: 1, 235, 525 1, 238, 172 406: 1, 225, 293 407: 1, 236, 306 408: 1, 238, 773 412: 1, 235, 928 415: 1, 223, 976 421: 1, 219, 320 1, 219, 321 423: 1, 225, 846 1, 229, 787 1, 247, 769 425: 1, 223, 373 428: 1, 224, 662 438: 1, 226, 502 442: 1, 221, 989 444: 1, 239, 377 451: 1, 212, 197 1, 236, 154 1, 242, 131 462: 1, 210, 519 1, 217, 504 1, 224, 990 1, 224, 991 1, 227, 435 1, 231, 928 1, 235, 363 1, 245, 263 465: 1, 222, 476 469: 1, 228, 102 1, 241, 530 476: 1, 214, 195 1, 241, 356 1, 245, 005 478: 1, 210, 976 1, 242, 438 1, 242, 447 1, 242, 448 1, 250, 181 480: 1, 225, 966 491: 1, 212, 556 492: 1, 239, 391 494: 1, 211, 172 1, 251, 035 497: 1, 211, 883 1, 231, 056 498: 1, 211, 884 504: 1, 247, 244 510: 1, 238, 530 1, 210, 897 1, 214, 937 1, 220, 893 1, 238, 223 1, 247, 648 2: 1, 216, 965 4: 1, 211, 095 6: 1, 230, 617 1, 231, 208 1, 233, 951 7: 1, 223, 407 1, 237, 827 8: 1, 217, 789 1, 229, 179 1, 229, 590 9: 1, 214, 434 1, 216, 184 1, 217, 379 1, 219, 297 1, 219, 298 1, 230, 139 1, 237, 302 1, 237, 387 1, 240, 366 1, 241, 303 10: 1, 210, 831 11: 1, 212, 649 1, 221, 081 1, 221, 171 1, 224, 642 1, 231, 995 1, 233, 579 1, 234, 599 1, 250, 859 12: 1, 220, 688 1, 240, 112 1, 242, 826 13: 1, 223, 100 1, 226, 745	123— 13: 1, 229, 949 1, 239, 694 1, 246, 875 1, 246, 885 14: 1, 213, 092 1, 213, 840 1, 213, 841 1, 228, 072 1, 235, 786 1, 239, 853 1, 240, 947 1, 247, 973 15: 1, 216, 378 1, 219, 829 1, 225, 056 1, 242, 693 16: 1, 217, 733 1, 228, 806 1, 229, 001 1, 231, 328 1, 237, 768 1, 238, 806 1, 249, 806 1, 249, 881 17: 1, 220, 594 1, 218, 126 1, 220, 307 1, 220, 563 1, 220, 757 1, 220, 880 1, 222, 475 1, 229, 569 1, 229, 643 18: 1, 232, 850 1, 236, 009 19: 1, 237, 688 23: 1, 216, 403 1, 251, 043 24: 1, 213, 172 25: 1, 211, 665 1, 211, 705 1, 222, 576 1, 224, 441 1, 225, 021 1, 229, 373 1, 230, 158 1, 231, 312 1, 236, 866 1, 237, 539 1, 239, 380 1, 239, 929 1, 242, 148 1, 244, 730 1, 244, 731 1, 245, 188 1, 245, 861 1, 247, 966 1, 249, 412 1, 250, 382 26: 1, 212, 917 27: 1, 225, 295 1, 234, 055 1, 234, 056 1, 235, 491 1, 240,
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UNITED STATES PATENT OFFICE, 1917.
Classification of patents—Continued.

1251

123— 117: 1,251,162 118: 1,223,260 119: 1,232,215 1,232,261 1,236,187 1,236,267 1,238,997 1,244,321 120: 1,245,509 1,245,511 122: 1,212,851 1,218,867 1,220,039 1,224,254 1,227,530 1,227,649 1,228,415 1,230,909 1,231,574 1,232,524 1,233,763 1,234,995 1,235,255 1,237,536 1,244,926 1,244,151 1,245,519 1,246,727 1,247,992 1,249,968 123: 1,212,745 1,219,202 1,227,546 124: 1,214,407 1,220,674 1,221,536 127: 1,210,533 1,215,027 1,233,287 1,238,828 129: 1,243,908 131: 1,244,733 132: 1,222,589 1,234,482 1,235,254 1,246,746 138: 1,230,404 1,230,536 139: 1,224,589 1,236,060 1,240,079 1,243,597 140: 1,220,857 1,221,542 1,222,055 1,222,148 1,222,270 1,225,345 1,249,478 1,250,333 141: 1,229,340 143: 1,225,681 1,227,979 1,236,502 1,241,999 1,243,002 145: 1,223,124 1,232,562 1,237,851 1,249,465 146: 1,249,327 148: 1,211,378 1,213,073 1,216,124 1,216,792 1,217,484 1,219,687 1,221,199 1,221,200 1,221,201 1,223,180 1,224,739 1,225,533 1,225,534 1,225,535 1,225,536 1,226,971 1,227,109 1,227,110 1,227,996 1,230,077 1,230,540 1,230,541 1,231,264 1,235,357 1,236,941 1,248,828 1,248,840 149: R. 14, 252 1,214,015 1,219,520 1,220,277 1,221,607	123— 149: 1,221,998 1,222,869 1,224,214 1,224,245 1,224,247 1,224,535 1,225,330 1,225,457 1,226,233 1,226,234 1,226,658 1,226,817 1,226,933 1,227,313 1,228,864 1,229,045 1,229,351 1,231,043 1,231,126 1,231,149 1,231,919 1,233,587 1,234,192 1,235,077 1,236,732 1,236,790 1,237,729 1,238,534 1,240,615 1,241,273 1,244,124 1,244,260 1,244,261 1,245,830 1,245,831 1,245,832 1,246,128 1,249,732 1,251,216 1,251,217 153: 1,213,019 1,229,823 1,249,909 155: 1,248,210 1,248,219 164: 1,216,651 1,241,309 165: 1,220,124 1,221,812 1,240,442 1,243,470 1,244,155 166: 1,213,495 1,219,704 1,226,982 1,231,681 1,231,768 1,236,989 1,246,818 1,250,904 167: 1,216,151 1,217,566 1,226,083 1,234,278 1,236,590 1,240,965 1,248,631 1,250,105 1,251,224 168: 1,213,789 1,213,790 1,216,125 1,234,275 1,241,412 1,242,895 1,246,822 1,248,459 1,251,249 1,251,314 169: 1,210,668 1,211,018 1,211,157 1,212,449 1,213,681 1,213,687 1,213,697 1,214,390 1,214,401 1,214,471 1,215,611 1,215,836 1,216,092 1,216,139 1,217,784 1,218,215 1,218,298 1,219,590 1,220,472 1,221,906 1,221,922 1,221,923 1,221,940 1,222,768 1,223,188	123— 169: 1,224,123 1,224,296 1,224,299 1,225,467 1,226,191 1,226,399 1,227,470 1,227,699 1,228,241 1,228,487 1,228,628 1,228,767 1,228,958 1,229,193 1,229,409 1,230,287 1,230,795 1,230,796 1,230,797 1,232,038 1,232,039 1,232,303 1,232,732 1,233,630 1,234,757 1,236,935 1,237,264 1,237,265 1,237,926 1,238,990 1,239,117 1,239,121 1,239,363 1,241,339 1,241,560 1,241,561 1,241,562 1,241,734 1,241,751 1,242,367 1,242,375 1,243,094 1,243,205 1,244,091 1,244,416 1,244,844 1,246,376 1,246,414 1,246,735 1,246,890 1,246,966 1,247,012 1,247,049 1,247,102 1,247,345 1,247,816 1,247,975 1,247,978 1,248,046 1,249,316 1,249,573 1,249,830 1,250,009 1,250,242 170: 1,210,631 1,213,273 1,219,646 1,223,078 1,233,100 1,234,042 1,238,853 1,245,578 1,250,055 1,250,912 171: 1,219,607 1,223,622 1,223,668 1,228,909 1,230,257 1,236,274 1,237,119 1,243,549 1,247,819 172: 1,225,702 173: 1,213,340 1,213,736 1,226,595 1,226,600 1,231,903 1,241,024 1,244,333 1,244,869 1,245,451 1,245,642 1,248,808 1,251,142 174: 1,217,587 1,241,681 1,242,797 175: 1,232,041 1,239,133 176: 1,225,401	123— 176: 1,239,081 1,251,387 177: 1,230,291 1,235,329 1,248,801 178: 1,223,079 1,226,180 1,228,765 1,233,518 179: 1,211,935 1,214,048 1,214,555 1,214,917 1,215,676 1,217,574 1,220,165 1,220,206 1,220,362 1,221,378 1,222,544 1,225,879 1,226,972 1,229,584 1,229,754 1,230,562 1,231,637 1,231,738 1,234,676 1,239,648 1,246,941 1,248,460 1,248,524 1,250,465 1,251,293 180: 1,214,365 1,216,485 1,221,620 1,221,782 1,222,562 1,231,124 1,239,518 1,240,080 1,242,258 1,242,871 1,243,875 1,249,224 181: 1,211,410 1,212,779 1,223,935 1,225,816 1,246,351 1,246,361 182: 1,215,877 1,231,522 185: 1,211,307 1,215,257 1,215,783 1,216,416 1,217,300 1,217,762 1,219,759 1,220,511 1,220,572 1,224,401 1,226,395 1,228,304 1,229,147 1,229,148 1,229,956 1,232,892 1,233,773 1,242,723 1,242,724 1,246,233 1,249,344 1,250,449 186: 1,222,399 1,230,174 187: 1,216,376 1,217,563 1,221,301 1,231,563 1,242,998 187.5: 1,217,015 1,221,532 1,230,729 1,249,234 1,249,581 1,251,371 188: 1,213,590 1,214,223 1,215,769 1,227,254 1,230,689 1,232,593 1,235,344 1,235,816 1,236,991 1,240,378 1,244,287 1,246,787 1,247,824 1,249,506	123— 188: 1,250,463 190: 1,215,746 1,215,963 1,218,296 1,224,557 1,225,916 1,230,161 1,236,345 1,242,460 1,249,689 1,250,548 1,250,837 193: 1,210,537 1,212,517 1,220,335 1,226,631 1,227,240 1,228,048 1,228,049 1,228,815 1,228,840 1,231,904 1,233,964 194: 1,216,565 1,217,615 1,225,927 1,229,471 1,244,442 1,245,364 195: 1,237,331 1,237,350 1,246,919 1,248,265 196: 1,222,600 1,235,898 1,244,481 197: 1,220,095 198: 1,213,111 1,214,967 1,215,381 1,220,297 1,221,044 1,221,959 1,225,068 1,225,406 1,228,932 1,229,854 1,230,108 1,230,654 1,233,526 1,238,945 1,240,977 1,241,460 1,243,301 1,247,605 1,247,930 1,248,250 1,250,975 259: 1,249,481 124— 1: 1,213,577 1,223,386 1,223,520 1,227,222 1,228,147 1,237,625 1,250,024 2: 1,213,432 3: 1,222,446 6: 1,220,092 7: 1,231,770 8: 1,214,398 1,214,797 1,217,553 1,234,062 1,240,989 10: 1,237,928 1,240,991 1,248,507 1,250,304 1,250,523 11: 1,220,649 1,240,988 12: 1,213,628 1,214,122 1,226,273 1,229,129 1,235,783 1,237,846 1,244,876 1,244,896 13: 1,213,683 1,215,926 1,218,093 1,223,448 1,226,016 1,231,833 1,232,384 1,240,987 1,249,114 14: 1,224,112 1,234,163 1,235,398	124— 14: 1,240,034 1,247,645 1,248,378 15: 1,210,512 1,212,942 1,212,943 1,215,927 1,217,714 1,220,022 1,220,980 1,222,822 1,223,290 1,223,291 1,223,519 15.5: 1,217,376 1,227,313 1,228,245 1,244,451 16: 1,250,215 17: 1,227,966 48: 1,232,383 71: 1,235,812 2: 1,222,558 1,228,040 1,228,041 1,240,559 1,250,608 1,250,609 5: 1,217,152 1,243,096 6: R. 14, 392 1,214,098 1,214,320 1,219,299 1,219,841 1,223,359 1,227,095 1,228,661 1,230,842 1,236,894 1,236,898 1,239,480 1,245,814 1,248,983 1,250,359 14: 1,212,107 1,212,382 1,212,717 1,215,692 1,217,337 1,219,419 1,225,488 1,226,412 1,228,270 1,233,494 1,234,912 1,244,178 1,244,179 1,244,601 1,244,785 1,244,871 1,245,771 1,245,899 1,247,386 1,247,407 1,247,419 1,247,420 1,247,422 1,247,459 1,249,400 1,249,823 15: 1,219,454 18: 1,230,696 1,242,983 1,247,596 19: 1,212,502 1,220,175 1,229,622 1,244,662 1,248,993 1,249,758 20: 1,228,448 1,237,061 1,237,062 1,237,063 1,250,135 1: 1,214,131 1,227,447 1,229,990 1,238,029 1,248,428 4: 1,213,013 1,236,990 5: 1,225,528 1,238,437 8.5: 1,232,270 9: 1,212,162 1,222,325 1,249,177 1,250,861 15: 1,213,178
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Classification of patents—Continued.

126—	15: 1,220,473 1,249,551 17: 1,238,743 18: 1,230,926 20: 1,216,336 1,226,044 1,239,641 1,245,309 29: 1,221,514 1,238,142 1,238,216 1,250,907 30: 1,211,536 1,241,760 1,244,357 1,244,932 33: 1,213,772 1,217,880 1,247,101 34: 1,212,108 1,242,241 1,242,294 36: 1,211,404 1,211,864 1,211,916 1,212,434 1,212,458 1,213,846 1,214,424 1,217,098 1,217,531 1,218,974 1,221,146 1,227,676 1,231,087 1,231,391 1,234,553 1,234,642 1,235,015 1,241,227 1,242,941 1,244,246 1,245,318 1,245,319 1,248,793 1,251,153 37: 1,224,773 1,244,407 38: 1,236,162 1,247,806 39: 1,210,536 1,211,086 1,220,695 1,222,824 1,224,497 1,224,563 1,225,248 1,225,769 1,230,408 1,231,771 1,233,795 1,235,602 1,236,985 1,237,275 1,238,995 1,239,218 1,239,341 1,241,521 1,249,943 41: 1,223,647 1,228,956 1,229,591 1,251,232 1,217,209 1,232,870 1,235,634 1,244,790 43: 1,214,086 1,228,328 1,237,453 1,238,080 1,238,081 44: 1,220,413 1,229,432 1,231,545 1,240,522 45: 1,210,479 52: 1,212,944 1,236,327 53: 1,216,942 1,217,678 1,218,494 1,220,012 1,241,154 1,244,690 1,247,936 1,248,969 54: 1,245,905 56: 1,213,503 1,232,885 58: 1,218,913 1,222,121 1,236,573	126— 59.5: 1,222,794 1,225,394 1,232,276 1,245,028 67: 1,239,430 1,245,885 1,250,707 77: 1,211,236 1,223,768 85: 1,218,206 1,221,539 1,232,457 1,235,573 1,237,858 1,240,679 1,244,564 1,246,273 1,247,932 86: 1,216,848 1,236,280 1,246,511 87: 1,228,579 88: 1,228,289 89: 1,228,519 90: 1,222,487 1,224,469 1,225,693 1,239,346 91: 1,224,784 1,225,034 1,225,575 1,229,451 1,234,272 1,236,355 1,242,984 1,244,863 1,244,864 93: 1,248,104 99: 1,214,279 1,215,199 1,217,551 1,218,824 1,219,664 1,223,715 1,224,220 1,231,850 1,236,171 1,241,274 101: 1,226,298 1,245,488 102: 1,248,144 103: 1,211,657 104: 1,218,288 1,248,824 105: 1,224,219 112: 1,232,769 1,234,283 1,235,787 113: 1,211,905 1,238,771 1,240,388 114: 1,224,190 116: 1,216,928 1,217,126 1,217,612 1,222,578 1,224,700 1,231,117 1,239,564 1,242,992 120: 1,213,173 1,250,712 121: 1,220,723 126: 1,228,545 129: 1,228,340 1,245,904 146: 1,233,782 1,250,200 147: 1,225,440 152: 1,239,717 157: 1,235,121 167: 1,212,018 1,218,594 1,232,897 168: 1,220,216 169: 1,228,626 1,237,697 1,246,937 173: 1,232,008 176: 1,212,521 1,218,199 1,228,999 1,236,023 1,249,365 179: 1,220,204 180: 1,248,048 1,250,369 190: 1,210,480 1,228,042 194: 1,222,894 202: 1,245,087 1,249,475	126— 204: 1,250,330 211: 1,218,972 214: 1,217,854 1,226,567 1,236,360 1,245,408 215: 1,211,567 1,219,014 1,225,761 1,232,493 1,239,150 1,240,745 1,242,021 1,243,044 216: 1,219,728 224: 1,219,631 234: 1,237,090 240: 1,237,460 243: 1,238,555 245: 1,219,157 1,239,514 248: 1,217,464 1,226,964 1,231,404 249: 1,217,139 1,238,398 252: 1,213,730 1,231,583 1,232,049 1,232,484 1,244,852 1,250,442 256: 1,224,623 1,249,808 261: 1,223,311 1,238,746 263: 1,216,816 266: 1,232,227 267: 1,227,782 270: 1,224,011 271: 1,220,091 1,240,890 1,242,511 1,250,260 271.1: 1,215,620 271.2: 1,215,343 1,223,115 272: R. 14, 248 1,210,563 1,210,860 1,215,212 1,215,561 1,225,172 1,226,592 1,226,593 1,226,726 1,230,811 1,237,458 1,238,225 1,241,168 1,244,643 1,249,740 1,250,244 1,250,764 274: 1,216,008 275: 1,226,230 1,228,367 1,242,181 276: 1,244,489 282: 1,227,103 283: 1,223,273 1,224,590 285: 1,211,136 286: 1,211,600 288: 1,224,516 1,238,017 292: 1,228,023 293: 1,216,102 1,221,008 1,246,770 1,249,312 295: 1,210,390 1,223,133 1,230,882 1,244,198 297: 1,245,303 298: 1,225,762 299: 1,250,762 305: 1,217,939 1,235,593 1,217,805 1,226,002 1,232,436 1,243,441 313: 1,222,380 314: 1,211,132 1,240,133 1,245,895 317: 1,212,609 1,212,824 1,216,737 1,219,576	126— 317: 1,229,061 1,230,385 1,249,209 318: 1,211,349 1,214,105 1,216,618 1,220,987 1,228,321 1,230,321 1,248,207 319: 1,245,359 1,248,244 323: 1,212,858 1,217,758 1,225,601 1,226,367 1,238,593 1,241,378 1,245,174 1,248,391 332: 1,239,632 336: 1,230,411 1,234,153 339: 1,211,984 1,216,164 340: 1,244,440 341: 1,219,885 1,239,938 343.5: 1,243,497 346: 1,212,216 1,248,050 347: 1,230,056 350: 1,210,585 1,211,927 1,218,851 1,228,957 1,233,716 1,235,652 1,240,053 1,243,439 1,246,848 351: 1,212,234 1,213,229 1,214,559 1,218,965 1,221,197 1,231,527 1,232,435 1,237,403 1,238,940 1,243,017 1,256,040 1,246,521 1,247,157 1,248,579 1,248,958 1,249,512 357: 1,225,834 358: 1,236,416 1,237,455 1,240,389 360: 1,216,583 1,227,566 1,229,557 1,240,477 1,241,555 1,249,343 362: 1,246,459 1,247,905 363: 1,245,228 364: 1,226,516 367: 1,234,695 1,237,994 1,239,263 1,239,925 1,240,339 370: 1,241,619 1,217,156 2: 1,219,438 1,249,041 1,250,228 4: 1,240,875 7: 1,233,919 8: 1,233,944 9: 1,212,469 1,213,596 1,213,659 1,215,140 1,220,194 1,228,855 1,232,395 1,234,202 1,236,825 1,238,489 1,239,471 1,243,878 1,248,237 1,250,094 10: 1,214,160 1,218,954 1,220,778 1,227,184 1,242,030	127— 14: 1,244,380 15: 1,221,553 1,221,554 16: 1,216,187 17: 1,217,705 1,228,910 1,229,190 1,230,890 1,236,097 18: 1,213,879 1,221,022 1,222,340 23: 1,214,593 1,221,990 1,224,951 128— 2: R. 14, 325 1,210,772 1,219,309 1,229,615 1,246,213 1,247,088 3: 1,211,055 1,211,699 1,212,731 1,215,028 1,216,679 1,217,441 1,217,562 1,218,313 1,219,453 1,225,833 1,227,700 1,231,194 1,235,419 1,238,872 1,240,109 1,247,222 1,250,273 4: 1,213,606 1,220,707 5: 1,217,014 1,222,890 1,233,811 1,241,652 1,243,693 1,245,655 9: 1,212,945 1,218,513 1,221,103 1,222,494 1,225,341 1,240,246 1,245,845 10: 1,225,422 1,227,476 11: 1,236,597 1,244,498 13: 1,210,939 1,211,647 1,213,160 1,213,302 1,214,941 1,218,906 1,221,246 1,221,387 1,221,446 1,221,778 1,222,421 1,222,619 1,222,683 1,224,180 1,225,269 1,229,050 1,231,787 1,231,862 1,236,591 1,237,244 1,239,576 1,239,634 1,241,056 1,243,900 1,243,939 1,244,661 1,245,867 1,246,247 1,248,487 1,249,377 16: 1,210,809 1,210,929 1,211,576 1,212,443 1,212,845 1,213,137 1,213,701 1,214,305 1,214,306 1,215,996 1,217,886 1,241,952 1,242,314 1,245,325 1,248,613 28: 1,210,720 1,212,861 1,212,927 1,213,001 1,213,673 1,213,786 1,215,117 1,215,823 1,216,099 1,217,567	128— 16: 1,232,075 1,233,496 1,234,536 1,234,619 1,234,700 1,236,127 1,237,570 1,238,091 1,239,522 1,242,598 1,247,301 1,247,372 1,250,118 1,250,636 17: 1,248,891 18: 1,212,819 1,243,806 20: 1,228,384 1,230,512 21: 1,219,496 1,222,825 1,223,284 1,230,112 1,234,383 22: 1,242,415 24: 1,220,252 1,222,478 1,230,873 1,231,702 1,237,121 1,238,001 1,240,320 1,244,819 1,246,338 1,246,339 1,247,346 25: 1,211,246 1,211,304 1,211,928 1,216,361 1,217,630 1,219,937 1,221,084 1,222,424 1,222,814 1,223,243 1,223,963 1,231,497 1,231,772 1,234,582 1,235,142 1,236,426 1,237,111 1,240,033 1,242,806 26: 1,211,250 1,211,666 1,215,550 1,218,664 1,219,032 1,219,094 1,221,016 1,222,763 1,222,904 1,223,751 1,225,177 1,226,645 1,230,451 1,230,665 1,237,480 1,237,667 1,237,709 1,239,314 1,240,732 1,244,766 1,247,925 1,248,156 1,248,810 1,249,195 1,250,407 27: 1,210,857 1,213,005 1,225,180 1,232,956 1,239,000 1,239,016 1,241,952 1,242,314 1,245,325 1,248,613 28: 1,210,720 1,212,861 1,212,927 1,213,001 1,213,673 1,213,786 1,215,117 1,215,823 1,216,099 1,217,567
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Classification of patents—Continued.

128—	28: 1,221,227 1,221,231 1,221,518 1,223,274 1,224,735 1,225,000 1,225,771 1,226,473 1,226,513 1,228,451 1,229,195 1,230,444 1,230,445 1,230,756 1,231,250 1,232,617 1,233,537 1,233,998 1,234,106 1,234,844 1,235,022 1,235,095 1,235,169 1,235,669 1,236,235 1,236,865 1,237,285 1,240,021 1,240,125 1,240,286 1,243,124 1,244,624 1,244,751 1,245,468 1,248,492 1,250,928 32: 1,232,112 38: 1,229,850 39: 1,224,862 1,238,901 1,239,350 1,250,392 42: 1,215,327 1,224,039 43: 1,229,358 44: 1,248,825 1,250,114 45: 1,249,375 46: 1,218,478 47: 1,215,111 1,215,475 1,217,692 1,220,243 1,230,318 1,239,947 1,242,174 1,243,054 51: 1,228,452 1,229,423 52: 1,213,373 1,216,434 1,217,637 1,220,476 1,221,289 1,226,013 1,226,160 1,228,113 1,229,633 1,231,332 1,232,899 1,233,112 1,238,224 1,239,789 1,242,688 1,243,137 1,243,230 1,245,858 1,250,818 54: 1,236,276 59: 1,233,783 129—	129—	12: 1,218,262 1,236,560 1,241,008 13: 1,213,757 1,216,532 1,223,003 1,223,103 1,224,465 1,228,432 1,233,104 1,242,018 1,244,756 1,249,929 15: 1,214,213 16: 1,210,945 1,215,646 1,215,720 1,216,017 1,217,243 1,221,631 1,223,168 1,223,857 1,224,636 1,227,172 1,227,660 1,227,662 1,227,663 1,227,664 1,227,665 1,228,743 1,229,552 1,231,274 1,233,388 1,237,336 1,238,332 1,244,694 1,247,347 1,247,458 1,248,910 16.1: 1,210,437 1,211,690 1,223,113 1,228,854 1,235,502 16.5: 1,215,572 1,224,170 1,224,976 1,232,096 1,246,310 1,247,767 16.7: 1,215,542 1,218,464 1,219,175 1,221,884 1,227,827 1,230,583 1,240,058 1,248,911 1,249,411 1,250,568 16.8: 1,218,557 1,218,558 1,222,058 1,228,860 1,241,692 1,249,015 18: 1,244,233 19: 1,214,270 1,225,886 1,241,381 20: 1,232,898 1,234,800 1,238,333 1,238,735 1,248,922 21: 1,213,378 1,217,962 22: 1,221,466 23: 1,223,160 1,236,415 1,238,472 1,247,945 1,250,293 24: 1,212,565 1,215,371 1,228,866 1,229,891 1,231,816 1,233,897 1,238,846 1,247,438 1,247,704 1,250,203 1,251,010 25: 1,222,074 1,243,319 29: 1,231,154 30: 1,226,790 1,226,791 1,227,749 1,237,821 32: 1,245,494 34: 1,214,681	129—	34: 1,218,484 1,236,199 35: 1,219,721 36: 1,227,490 37: 1,216,062 1,241,610 38: 1,220,294 1,221,953 1,224,467 1,235,900 1,240,691 39: 1,217,625 1,233,990 40: 1,219,777 1,231,942 1,246,243 1,249,507 41: 1,215,496 1,218,733 1,222,668 1,224,664 1,227,685 1,227,717 1,227,718 1,231,317 1,236,466 1,240,356 1,241,220 1,241,801 1,241,802 1,247,047 1,249,666 42: 1,217,013 43: 1,219,610 4: 1,217,905 1,239,913 1,248,500 1,250,613 5: 1,225,806 1,225,807 1,226,365 1,226,718 1,226,719 1,228,971 1,242,973 1,251,403 9: 1,215,563 10: 1,221,336 1,224,474 1,236,995 12: 1,237,437 1,237,896 15: 1,212,344 1,224,484 1,226,562 1,230,437 1,232,947 1,233,421 1,235,899 1,237,004 1,238,267 1,243,284 1,244,102 1,249,966 16: 1,222,111 1,223,014 1,223,607 1,228,800 1,236,256 1,247,493 17: 1,214,565 1,221,110 1,222,003 1,226,263 1,226,588 1,230,757 1,231,778 1,232,064 1,232,126 1,233,965 1,234,168 1,236,147 1,239,561 1,246,108 1,246,949 1,251,892 18: 1,213,101 1,214,189 1,216,803 1,220,657 1,226,189 1,231,158 1,235,479 1,240,693 1,241,045 1,242,683 1,242,811 1,242,840 1,246,572 19: 1,217,364 1,223,352 1,241,980	130—	19: 1,250,768 21: 1,219,211 22: 1,235,596 24: 1,229,063 1,240,999 25: 1,224,377 26: 1,210,571 1,217,299 27: 1,215,940 1,226,601 1,226,865 1,238,102 1,251,187 30: 1,215,167 1,216,149 1,219,416 1,229,966 1,237,565 1,240,912 1,241,028 1,246,100 1,250,462 1,258,466 32: 1,211,473 1,214,519 1,214,821 1,215,846 1,216,629 1,218,782 1,219,056 1,222,842 1,223,941 1,226,441 1,228,044 1,239,922 1,242,034 1,242,573 1,245,086 1,246,463 1,249,179 1,251,003 33: 1,249,663 5: 1,237,874 1,227,549 1,233,048 1,233,850 6: 1,224,703 9: 1,235,595 10: 1,214,153 1,237,102 11: 1,216,031 1,224,691 1,227,608 1,227,933 1,241,840 1,230,388 1,236,634 1,243,827 1,243,994 1,249,183 1,249,184 12: 1,210,404 1,212,590 1,213,021 1,213,156 1,214,887 1,219,678 1,220,328 1,221,864 1,223,757 1,224,488 1,224,980 1,226,922 1,229,943 1,231,485 1,231,876 1,232,310 1,234,341 1,236,398 1,236,545 1,239,589 1,240,399 1,241,462 1,241,683 1,243,803 1,244,410 1,245,078 1,245,316 1,249,171 1,249,984 13: 1,213,215 1,219,734 1,219,734 1,233,410 1,240,641 1,246,710 1,249,618 14: 1,248,540 15: 1,217,496 1,234,279 21: 1,217,495	131—	19: 1,213,116 1,220,376 1,220,415 1,227,176 1,241,330 1,241,695 1,246,252 1,249,490 1,250,395 32: 1,238,122 33: 1,213,118 34: 1,220,068 37: 1,228,066 1,242,478 38: 1,218,830 1,249,105 1,251,300 39: 1,213,061 1,231,132 1,231,814 1,234,284 1,234,285 1,236,019 1,247,736 42: 1,214,193 1,230,067 1,239,004 43: 1,228,525 1,237,760 1,248,314 44: 1,233,662 1,239,002 1,239,003 48: 1,214,194 1,232,935 1,232,936 1,245,012 51: 1,211,071 1,212,185 1,212,995 1,216,856 1,220,167 1,227,444 1,228,508 1,237,014 1,237,763 1,240,329 1,241,820 1,250,877 52: 1,217,590 1,221,634 1,223,862 1,226,074 1,234,209 1,237,026 1,241,840 55: 1,219,356 57: 1,212,441 1,214,336 1,219,077 1,224,848 1,225,240 1,235,722 1,236,078 1,238,077 1,239,115 59: 1,215,519 1,234,580 1,237,831 1,251,191 61: 1,221,424 3: 1,218,440 1,220,105 1,221,578 1,224,199 1,225,402 1,226,527 1,232,005 1,233,956 1,234,616 1,235,404 1,236,757 8: 1,213,501 11: 1,232,933 1,234,595 1,241,977 12: 1,213,667 1,214,362 1,217,779 1,219,986 1,220,409 1,221,586 1,232,695 1,239,633 13: 1,217,264 1,233,687 1,250,953 17: 1,215,851 1,216,977 1,222,484 1,228,221 1,237,268 1,239,964	132—	17: 1,241,286 1,245,463 1,247,908 1,249,334 1,250,077 1,250,446 1,251,292 18: 1,217,816 1,221,437 1,221,447 1,234,942 1,241,240 19: 1,210,394 1,217,610 1,233,060 1,233,185 1,236,818 1,236,871 1,240,508 1,245,157 22: 1,216,970 1,225,831 1,228,629 1,233,195 1,241,337 1,243,834 1,245,173 1,247,414 25: 1,218,838 1,221,624 1,222,281 1,223,008 1,226,836 1,231,219 1,231,454 1,238,639 1,246,071 1,246,341 30: 1,213,948 1,224,846 1,233,422 1,238,432 1,242,615 31: 1,224,403 1,237,792 1,239,951 1,247,787 32: 1,226,669 1,226,723 1,229,286 1,230,453 1,230,912 1,236,844 1,242,821 1,243,896 1,245,951 1,249,140 33: 1,244,771 1,244,798 34: 1,223,985 1,229,285 1,231,383 1,231,384 1,240,944 1,251,028 35: 1,242,293 36: 1,234,845 1,240,485 133—	1: 1,241,632 2: 1,211,530 1,228,459 3: 1,212,215 4: 1,213,532 1,215,408 1,217,498 1,218,455 1,222,659 1,223,354 1,228,370 1,231,578 1,231,781 1,231,858 1,238,736 1,242,016 1,244,812 1,247,618 1,249,869 5: 1,212,052 1,216,606 1,226,181 1,233,845 1,238,711 1,242,358 6: 1,217,189 1,219,092 1,235,910 7: 1,234,029 1,245,470 8: 1,238,083
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INDEX OF PATENTS ISSUED FROM THE

Classification of patents—Continued.

133—	8: 1, 239, 251	134—	60: 1, 220, 391	137—	4: 1, 217, 726	5: 1, 214, 322	137—	17: 1, 226, 003	137—	28: 1, 219, 183
	11: 1, 212, 521		1, 238, 734		1, 217, 747	1, 214, 645		1, 230, 458		1, 219, 273
	1, 212, 522		68: 1, 231, 476		1, 218, 187	1, 218, 877		1, 234, 338		1, 219, 849
14: 1, 233, 229			73: 1, 243, 762		1, 218, 252	1, 219, 392		1, 236, 297		1, 219, 882
1, 242, 739			75: 1, 214, 229		1, 218, 498	1, 221, 052		1, 238, 672		1, 219, 925
134—	1: 1, 215, 471		77: 1, 239, 080		1, 218, 995	1, 225, 479		1, 239, 373		1, 220, 223
	1, 240, 395		78.5: 1, 220, 001		1, 218, 962	1, 226, 380		1, 240, 367		1, 220, 818
7: 1, 216, 182			78.6: 1, 248, 022		1, 219, 923	1, 228, 060		1, 240, 411		1, 220, 868
1, 244, 597			79: 1, 234, 921		1, 219, 945	1, 228, 463		1, 251, 118		1, 221, 425
1, 249, 742			1, 244, 108		1, 220, 729	1, 231, 164		1, 210, 487		1, 221, 935
8: 1, 214, 157		135—	1: 1, 238, 360		1, 220, 944	1, 234, 715	18: 1, 211, 085	20: 1, 211, 085		1, 222, 088
1, 234, 494			1, 239, 550		1, 221, 093	1, 237, 719		1, 211, 523		1, 223, 054
1, 242, 424			1, 249, 883		1, 221, 913	1, 238, 944		1, 224, 477		1, 224, 062
9: 1, 211, 638			2: 1, 219, 905		1, 223, 326	1, 241, 326		1, 230, 971		1, 224, 063
1, 231, 997			4: 1, 210, 573		1, 223, 327	1, 241, 757		1, 237, 871		1, 224, 515
10: 1, 214, 972			1, 219, 847		1, 223, 736	1, 243, 736		1, 240, 532		1, 224, 638
11: 1, 213, 435			1, 245, 944		1, 224, 090	1, 245, 961		1, 241, 916		1, 225, 081
13: 1, 210, 446			5: 1, 225, 917		1, 224, 221	1, 250, 041	6: 1, 211, 718	21: 1, 213, 119		1, 225, 278
14: 1, 223, 150			1, 248, 652		1, 224, 808	1, 213, 504		1, 222, 081		1, 225, 480
15: 1, 231, 687			9: 1, 214, 480		1, 225, 002	1, 217, 433		1, 222, 123		1, 225, 616
1, 244, 062			1, 214, 484		1, 225, 974	1, 238, 521		1, 222, 764		1, 226, 690
16: 1, 240, 345			12: 1, 217, 542		1, 226, 040	1, 250, 985	7: 1, 211, 392		1, 225, 416	1, 227, 179
17: 1, 233, 190			15: 1, 214, 979		1, 226, 175	1, 214, 267		1, 227, 287		1, 227, 563
1, 236, 183			1, 235, 417		1, 226, 436	1, 214, 405		1, 232, 370		1, 228, 323
17.5: 1, 233, 753			20: 1, 217, 515		1, 226, 485	1, 215, 497		1, 232, 425		1, 228, 397
1, 247, 814			25: 1, 223, 138		1, 227, 078	1, 215, 579		1, 234, 444		1, 228, 549
18: 1, 226, 195			1, 230, 888		1, 227, 097	1, 215, 580		1, 235, 079		1, 229, 067
21: 1, 215, 034			1, 249, 007		1, 227, 459	1, 215, 958		1, 238, 622		1, 229, 079
1, 223, 480			1, 250, 292		1, 228, 542	1, 216, 068		1, 244, 710		1, 229, 860
22: 1, 224, 948			26: 1, 211, 610		1, 228, 544	1, 217, 406		1, 246, 394		1, 230, 019
1, 239, 618			1, 215, 369		1, 228, 545	1, 217, 719		1, 247, 097		1, 230, 134
23: 1, 224, 125			1, 218, 526		1, 228, 846	1, 217, 955		1, 247, 336		1, 230, 606
1, 248, 092			1, 240, 001		1, 229, 245	1, 218, 362		1, 248, 121		1, 230, 854
24: 1, 211, 188			1, 250, 788		1, 229, 579	1, 221, 702		1, 249, 427		1, 230, 981
1, 218, 163			28: 1, 213, 855		1, 230, 150	1, 221, 771	26: 1, 212, 806		1, 214, 457	1, 232, 129
1, 222, 441			1, 219, 640		1, 230, 356	1, 222, 068		1, 215, 185		1, 232, 193
1, 232, 460			1, 220, 565		1, 230, 499	1, 222, 171		1, 215, 928		1, 233, 054
1, 235, 136			1, 229, 271		1, 230, 777	1, 222, 172		1, 216, 243		1, 233, 169
1, 239, 416			1, 235, 296		1, 231, 602	1, 222, 972		1, 217, 700		1, 233, 170
1, 240, 544			1, 243, 594		1, 232, 421	1, 223, 118		1, 217, 938		1, 233, 172
1, 240, 545			30: 1, 240, 645		1, 232, 461	1, 223, 353		1, 218, 927		1, 233, 379
26: 1, 212, 738			32: 1, 228, 810		1, 232, 883	1, 226, 106		1, 220, 419		1, 233, 401
1, 214, 611			34: 1, 239, 757		1, 242, 949	1, 226, 575		1, 220, 872		1, 233, 644
1, 226, 760			39: 1, 236, 299		1, 233, 291	1, 226, 671		1, 222, 865		1, 233, 750
1, 236, 996			44: 1, 212, 114		1, 233, 659	1, 226, 938		1, 223, 038		1, 234, 104
1, 242, 161			1, 247, 159		1, 233, 728	1, 227, 571		1, 223, 670		1, 234, 812
1, 243, 312			1, 244, 249		1, 234, 096	1, 233, 262		1, 223, 980		1, 234, 908
1, 245, 981			1, 246, 392		1, 234, 477	1, 233, 406		1, 225, 076		1, 235, 875
1, 246, 392			1, 246, 827		1, 234, 726	1, 233, 482		1, 226, 974		1, 236, 182
1, 246, 827			1, 249, 050		1, 234, 930	1, 233, 825		1, 227, 212		1, 236, 312
27: 1, 228, 885			1, 232, 492		1, 235, 150	1, 233, 873		1, 231, 609		1, 236, 546
1, 238, 963			1, 233, 020		1, 235, 221	1, 235, 980		1, 233, 340		1, 237, 633
28: 1, 226, 884			1, 233, 718		1, 235, 645	1, 237, 482		1, 233, 923		1, 238, 218
35: 1, 237, 136			1, 243, 153		1, 236, 216	1, 237, 922		1, 234, 253		1, 238, 249
36: 1, 224, 668			47: 1, 219, 386		1, 236, 372	1, 237, 980		1, 237, 795		1, 238, 629
1, 233, 962			49: 1, 241, 815		1, 236, 899	1, 237, 981		1, 238, 023		1, 238, 802
1, 234, 264			50: 1, 225, 364		1, 236, 939	1, 238, 843		1, 238, 843		1, 238, 928
37: 1, 228, 259			52: 1, 232, 057		1, 237, 324	1, 238, 926		1, 238, 989		1, 239, 732
1, 248, 385			1, 244, 928		1, 237, 482	1, 239, 898		1, 239, 866		1, 239, 769
39: 1, 211, 346			1, 247, 143		1, 237, 922	1, 240, 265		1, 239, 870		1, 240, 023
1, 213, 330		136—	54: 1, 215, 256		1, 237, 980	1, 240, 848		1, 240, 472		1, 240, 023
1, 215, 022			1: 1, 220, 901		1, 237, 981	1, 241, 316		1, 240, 734		1, 240, 303
1, 222, 980			1, 227, 479		1, 238, 259	1, 241, 878		1, 241, 454		1, 240, 586
1, 225, 105			5: 1, 223, 336		1, 238, 926	1, 241, 989		1, 241, 555		1, 241, 626
1, 226, 934			1, 245, 870		1, 239, 898	1, 242, 003		1, 242, 706		1, 241, 654
1, 239, 190			1, 232, 849		1, 240, 265	1, 242, 245		1, 242, 734		1, 242, 060
1, 241, 067			1, 234, 459		1, 240, 848	1, 242, 613		1, 245, 988		1, 242, 568
1, 245, 968			1, 234, 460		1, 241, 878	1, 242, 621		1, 246, 187		1, 244, 577
45: 1, 229, 337			1, 249, 926		1, 241, 989	1, 242, 713		1, 246, 458		1, 244, 666
1, 247, 595			8: 1, 221, 271		1, 242, 003	1, 242, 864		1, 246, 772		1, 244, 666
46: 1, 217, 331			10: 1, 220, 013		1, 242, 245	1, 248, 649		1, 248, 649		1, 244, 666
1, 244, 033			11: 1, 215, 146		1, 242, 613	1, 248, 683		1, 248, 683		1, 244, 666
1, 247, 128			1, 216, 904		1, 242, 621	1, 248, 781		1, 248, 781		1, 244, 666
47: 1, 237, 368			1, 229, 276		1, 242, 713	1, 250, 299		1, 250, 299		1, 244, 666
49: 1, 249, 034			1, 238, 255		1, 242, 864	1, 251, 453		1, 251, 453		1, 244, 666
60: 1, 227, 071			1, 212, 959		1, 242, 880	1, 215, 819		1, 215, 819		1, 244, 666
1, 238, 797		137—	2: 1, 238, 610		1, 243, 134	1, 216, 051		1, 216, 051		1, 244, 666
1, 247, 900			4: 1, 210, 707		1, 243, 219	1, 216, 730		1, 216, 730		1, 244, 666
1, 247, 901			1, 210, 893		1, 243, 558	1, 216, 815		1, 216, 815		1, 244, 666
51: 1, 220, 947			1, 211, 040		1, 244, 604	1, 217, 814		1, 217, 814		1, 244, 666
1, 223, 458			1, 211, 195		1, 244, 758	1, 218, 950		1, 218, 950		1, 244, 666
1, 226, 889			1, 211, 595		1, 244, 976	1, 220, 296		1, 220, 296		1, 244, 666
1, 234, 777			1, 211, 756		1, 245, 516	1, 224, 534		1, 224, 534		1, 244, 666
52: 1, 234, 816			1, 212, 102		1, 245, 735	1, 226, 747		1, 226, 747		1, 244, 666
54: 1, 229, 964			1, 212, 727		1, 246, 879	1, 229, 429		1, 229, 429		1, 244, 666
56: 1, 244, 521			1, 212, 879		1, 247, 048	1, 239, 704		1, 239, 704		1, 244, 666
1, 244, 777			1, 212, 979		1, 247, 640	1, 245, 625		1, 245, 625		1, 244, 666
58: R. 14, 289			1, 213, 484		1, 248, 957	1, 251, 306		1, 251, 306		1, 244, 666
1, 215, 293			1, 213, 513		1, 249, 090	1, 210, 527		1, 210, 527		1, 244, 666
1, 216, 338			1, 214, 221		1, 249, 233	1, 211, 237		1, 211, 237		1, 244, 666
1, 216, 980			1, 214, 281		1, 249, 293	1, 211, 371		1, 211, 371		1, 244, 666
1, 216, 981			1, 215, 488		1, 249, 846	1, 212, 090		1, 212, 090		1, 244, 666
1, 218, 161			1, 216, 352		1, 250, 091	1, 212, 516		1, 212, 516		1, 244, 666
1, 220, 973			1, 216, 528		1, 250, 123	1, 212, 516		1, 212, 516		1, 244, 666
1, 225, 374			1, 216, 658		1, 250, 237	1, 212, 516		1, 212, 516		1, 244, 666
1, 231, 617			1, 216, 963		1, 250, 433	1, 212, 516		1, 212, 516		1, 244, 666
1, 236, 655			1, 216, 974		1, 250, 527	1, 212, 516		1, 212, 516		1, 244, 666
1, 240, 405			1, 216, 976		1, 211, 237	1, 212, 516		1, 212, 516		1, 244, 666
1, 242, 480			1, 217, 132		1, 211, 371	1, 212, 516		1, 212, 516		1, 244, 666
1, 251, 170			1, 217, 344		1, 212, 090	1, 212, 516		1, 212,		

Classification of patents—Continued.

137—	30: 1,236,151	137—	63: 1,233,875	137—	77: 1,212,886	137—	99: 1,215,530	137—	115: 1,248,129	138—	10: 1,212,965
	1,240,161		1,234,181		1,213,466		1,241,597		1,249,572		1,225,062
31: 1,215,263			1,234,910		1,216,699		1,242,023		1,250,931		1,230,013
1,216,499			1,242,930		1,216,723		1,242,380		1,211,205		1,232,880
1,220,822		64: 1,243,417		1,217,346		1,217,346	100: 1,216,408	116: 1,211,613	1,211,613		1,234,035
1,227,466		65: 1,235,657		1,221,733		1,221,733	101: 1,211,753	1,215,833	1,215,833		1,235,610
1,233,615		66: 1,212,633		1,250,603		1,250,603		1,215,853	1,215,503		1,243,991
1,241,605		1,215,057			78: 1,225,496	1,224,821		1,223,688	1,223,688	14: 1,212,154	
1,245,491		1,215,081			79: 1,234,625	1,225,885		1,232,028	1,232,028	1,214,496	
32: R. 14,412		1,216,746			1,234,949	1,227,540		1,239,028	1,239,028	1,242,928	
1,213,488		1,217,811			1,236,386	1,232,377		1,243,712	1,243,712	16: 1,233,052	
1,214,553		1,220,279			1,240,373	1,233,450		1,245,286	1,245,286	17: 1,230,486	
1,215,756		1,224,095			1,247,374	1,234,413		1,247,642	1,247,642	1,230,492	
1,217,106		1,229,898			1,219,994	1,234,414		1,248,397	1,248,397	1,240,617	
1,218,317		1,231,308			1,221,861	1,242,917		1,211,166	1,211,166	1,241,691	
1,218,482		1,233,119			1,223,083	1,245,809		1,213,274	1,213,274	19: 1,224,008	
1,220,694		1,237,107			1,223,301	1,246,079		1,233,347	1,233,347	22: 1,211,679	
1,222,154		1,244,050			1,225,242	1,248,725		1,241,587	1,241,587	1,211,680	
1,222,316		1,247,166			1,229,030	1,251,092		1,245,002	1,245,002	1,211,961	
1,223,901		1,215,218	67: 1,215,218		1,232,618	1,223,799	102: 1,223,799	1,245,003	1,245,003	1,212,577	
1,225,238		1,218,685			1,233,417	1,212,611	103: 1,212,611	1,210,712	1,210,712	1,212,655	
1,225,744		1,227,190			1,235,109	1,215,854		1,213,033	1,213,033	1,220,424	
1,229,571		1,229,771			1,236,617	1,215,912		1,213,108	1,213,108	1,224,669	
1,230,140		1,241,551			1,239,168	1,218,603		1,213,831	1,213,831	1,227,055	
1,231,506		1,213,870	68: 1,213,870		1,242,359	1,221,178		1,214,443	1,214,443	1,227,967	
1,231,692		1,214,212			1,246,355	1,226,796		1,219,582	1,219,582	1,229,076	
1,232,180		1,215,152			1,250,684	1,227,098		1,223,190	1,223,190	1,231,954	
1,233,391		1,223,584			1,251,455	1,231,144		1,226,291	1,226,291	1,235,817	
1,236,596		1,231,976			1,246,092	1,234,251		1,247,218	1,247,218	1,237,679	
1,236,745		1,233,937			1,215,796	1,210,596	104: 1,210,596	1,247,375	1,247,375	1,238,927	
1,238,664		1,235,316			1,220,045	1,210,630		1,214,220	1,214,220	1,242,033	
1,239,617		1,235,825			1,222,726	1,211,159		1,248,251	1,248,251	1,242,389	
1,242,576		1,240,197			1,222,847	1,211,876		1,211,061	1,211,061	1,243,640	
1,244,689		1,241,005			1,229,327	1,212,056		1,222,806	1,222,806	1,244,878	
1,245,352		1,241,982			1,234,959	1,214,020		1,220,438	1,220,438	1,246,322	
1,248,672		1,249,404			1,230,487	1,219,567		1,248,099	1,248,099	1,250,170	
1,250,639		1,211,599	69: 1,211,599		1,213,563	1,219,690		1,217,316	1,217,316	1,250,564	
1,251,003		1,213,244			1,216,146	1,220,477		1,214,326	1,214,326	1,217,002	
34: 1,213,906		1,215,151			1,216,630	1,222,561		1,223,749	1,223,749	1,220,927	
1,216,395		1,218,261			1,221,945	1,223,170		1,234,955	1,234,955	1,243,905	
1,216,609		1,220,538			1,223,081	1,225,892		1,235,418	1,235,418	1,249,266	
1,220,270		1,230,071			1,225,029	1,226,139		1,247,851	1,247,851	1,249,950	
1,221,707		1,231,378			1,227,352	1,226,840		1,212,085	1,212,085	1,225,446	
1,228,541		1,233,885			1,232,489	1,227,037		1,213,639	1,213,639	1,235,376	
1,228,733		1,236,056			1,245,069	1,227,539		1,213,746	1,213,746	1,246,002	
1,234,537		1,238,103			1,250,600	1,227,817		1,215,017	1,215,017	1,244,449	
1,235,300		1,238,425			1,217,782	1,231,399		1,224,774	1,224,774	1,225,065	
1,235,797		1,241,614			1,232,208	1,232,694		1,227,096	1,227,096	1,213,700	
1,235,798		1,244,177			1,235,813	1,233,654		1,227,883	1,227,883	1,222,524	
1,236,457		1,244,833			1,239,229	1,235,389		1,233,898	1,233,898	1,234,287	
1,237,309		1,215,190	70: 1,215,190		1,239,230	1,236,096		1,237,618	1,237,618	1,244,812	
1,243,438		1,215,461			1,223,645	1,239,267		1,210,991	1,210,991	1,248,223	
1,244,722		1,218,005			1,236,816	1,240,200		1,217,023	1,217,023	20: 1,239,604	
1,245,912		1,220,075			1,213,094	1,241,656		1,227,040	1,227,040	1,239,605	
35: 1,246,368		1,220,336			1,213,110	1,243,766		1,230,481	1,230,481	21: 1,231,096	
40: 1,250,753		1,221,901			1,216,459	1,245,525		1,237,335	1,237,335	1,245,529	
53: 1,210,913		1,224,135			1,217,505	1,246,541		1,213,791	1,213,791	1,247,245	
1,212,148		1,225,739			1,221,240	1,248,650		1,216,204	1,216,204	22: 1,212,952	
1,212,951		1,238,269			1,222,682	1,251,235		1,227,612	1,227,612	1,238,791	
1,213,460		1,239,688			1,236,364	1,225,691	106: 1,225,691	1,231,257	1,231,257	1,244,101	
1,213,710		1,241,894			1,242,874	1,235,641		1,238,374	1,238,374	23: 1,220,687	
1,214,595		1,250,195			1,245,332	1,218,969	108: 1,218,969	1,245,576	1,245,576	1,240,071	
1,215,782		1,216,761	71: 1,216,761		1,245,794	1,228,186		1,240,227	1,240,227	27: 1,212,881	
1,215,947		1,226,030			1,249,074	1,243,126		1,244,292	1,244,292	1,215,578	
1,216,919		1,244,271			1,250,325	1,218,797	109: 1,218,797	1,222,624	1,222,624	1,215,729	
1,221,719		1,238,826	72: 1,238,826		1,250,336	1,222,298		1,219,501	1,219,501	1,226,613	
1,222,071		1,243,973			1,250,895	1,224,084		1,250,900	1,250,900	1,229,578	
1,223,252		1,249,518			1,218,578	1,230,978		1,229,500	1,229,500	1,235,290	
1,229,726		1,213,186	73: 1,213,186		1,220,661	1,232,543		1,230,337	1,230,337	1,236,052	
1,229,885		1,211,500	75: 1,211,500		1,227,690	1,240,260		1,237,203	1,237,203	1,241,076	
1,229,993		1,211,784			1,229,087	1,248,376		1,218,981	1,218,981	1,245,549	
1,231,280		1,212,685			1,235,878	1,250,222		1,211,306	1,211,306	1,247,601	
1,231,330		1,217,254			1,249,038	1,227,311	110: 1,227,311	1,222,756	1,222,756	1,248,077	
1,233,594		1,218,895			1,211,477	1,229,715		1,238,322	1,238,322	1,248,694	
1,233,752		1,219,138			1,231,450	1,236,101		1,240,831	1,240,831	28: 1,233,234	
1,235,019		1,220,343			1,247,756	1,242,538		1,242,481	1,242,481	29: 1,214,953	
1,236,583		1,221,064			1,211,975	1,244,951		1,243,975	1,243,975	1,232,262	
1,237,898		1,222,860			1,218,729	1,248,377		1,248,377	1,248,377	1,234,102	
1,238,779		1,222,852			1,222,758	1,250,587		1,250,280	1,250,280	1,250,139	
1,239,022		1,230,007			1,224,284	1,211,336	111: 1,211,336	1,226,137	1,226,137	30: 1,220,434	
1,240,254		1,232,855			1,217,792	1,212,797		1,239,952	1,239,952	32: 1,225,815	
1,240,682		1,233,739			1,214,064	1,224,297		1,213,721	1,213,721	1,227,059	
1,243,475		1,236,029			1,218,567	1,230,214		1,219,156	1,219,156	1,236,627	
1,243,592		1,236,160			1,220,856	1,235,517	112: 1,235,517	1,221,085	1,221,085	1,214,385	
1,243,604		1,236,329			1,221,223	1,242,473		1,227,639	1,227,639	1,230,792	
1,246,892		1,237,381			1,225,987	1,243,168		1,228,443	1,228,443	1,241,983	
1,246,946		1,239,424			1,227,607	1,246,583		1,228,445	1,228,445	1,244,791	
1,248,578		1,240,957			1,228,653	1,216,394	113: 1,216,394	1,229,543	1,229,543	1,212,278	
1,248,665		1,243,874			1,231,288	1,237,252		1,233,913	1,233,913	1,212,358	
56: 1,219,049		1,246,189			1,231,795	1,242,888		1,243,783	1,243,783	1,212,402	
57: 1,214,038		1,246,839			1,232,852	1,213,494	115: 1,213,494	1,242,474	1,242,474	1,219,708	
1,219,641		1,249,743			1,241,037	1,218,439		1,243,199	1,243,199	1,220,742	
1,228,658		1,213,060	76: 1,213,060		1,242,200	1,222,351		1,245,222	1,245,222	1,221,048	
1,215,202		1,213,221			1,243,351	1,223,453		1,212,757	1,212,757	1,222,004	
1,225,857		1,224,721			1,248,777	1,212,605		1,213,012	1,213,012	1,223,361	
1,249,838</											

Classification of patents—Continued.

139—	46: 1,236,807 1,237,296 1,238,542 1,240,643 1,242,383 1,248,627 48: 1,215,266 1,215,271 1,215,899 1,230,693 1,236,194 1,238,444 1,240,268 1,241,829 1,244,122 1,250,327 49: 1,211,569 1,231,536 1,247,277 52: 1,227,613 54: 1,214,947 1,214,966 1,223,548 1,223,708 1,243,831 58: 1,230,235 1,231,306 1,232,623 1,236,374 59: 1,245,280 60: 1,249,899 6: 1,226,525 68: 1,212,312 69: 1,222,409 1,222,410 71: 1,223,537 1,249,768 72: 1,250,886 73: 1,223,435 78: 1,212,401 79: 1,238,947 1,240,375 1,249,769 84: 1,219,674 1,226,361 85: R. 14,265 1,210,489 1,210,584 1,212,399 1,212,400 1,212,681 1,214,384 1,214,868 1,218,256 1,218,257 1,218,258 1,218,710 1,219,182 1,220,667 1,220,671 1,220,686 1,221,385 1,221,410 1,221,768 1,221,802 1,222,994 1,224,775 1,225,120 1,228,814 1,230,439 1,232,088 1,233,128 1,233,695 1,237,318 1,237,903 1,238,378 1,239,086 1,240,592 1,241,358 1,242,098 1,243,342 1,244,827 1,248,865 1,249,047 1,249,276 1,249,277 1,249,280 1,249,281 1,249,282 1,250,380 87: 1,214,948 89: 1,237,236 1,237,923 1,239,085 91: 1,238,628 92: 1,214,368 1,226,409 1,239,792 1,240,666 1,245,705 94: 1,211,677 1,213,216 1,215,789	139—	94: 1,225,328 1,227,637 1,235,654 95: 1,227,716 1,245,418 3: 1,218,810 7: 1,224,270 1,227,972 1,228,491 8: 1,214,711 1,243,353 12: 1,215,853 29: 1,227,272 53: 1,231,407 71: 1,212,437 1,219,622 1,224,767 1,239,583 73: 1,235,832 75: 1,243,185 86: 1,238,166 90: 1,228,031 1,246,345 91: 1,212,857 1,219,845 1,250,252 1,250,253 92.1: 1,218,295 92.2: 1,244,137 93: 1,222,014 1,226,794 1,229,312 1,229,384 1,250,455 107: 1,248,425 109: 1,237,875 1,239,479 110: 1,247,857 115: 1,213,643 1,249,898 117: 1,237,441 119: 1,211,478 1,242,545 121: 1,212,501 1,232,361 1,233,980 123.5: 1,228,611 130: 1,220,574 1,235,277 131: 1,242,594 1,242,595 138: 1,237,547 148: 1,239,175 149: 1,251,193 253: 1,239,027 3: 1,215,107 1,218,936 1,234,247 6: 1,212,587 1,244,391 1,244,392 7: 1,210,484 1,211,878 1,212,459 1,212,747 1,213,307 1,213,445 1,214,278 1,216,494 1,216,496 1,216,666 1,217,887 1,225,653 1,227,594 1,228,140 1,228,851 1,231,190 1,232,175 1,233,650 1,234,373 1,234,611 1,234,963 1,235,571 1,235,571 1,240,860 1,241,203 1,241,508 1,242,817 1,244,701 1,246,460 1,249,029 1,249,129 8: 1,239,834 9: 1,211,985 1,212,171 1,215,583 1,217,576 1,218,620 1,223,611 1,223,360 1,225,256 1,226,428 1,229,644	141—	9: 1,230,618 1,231,987 1,232,964 1,240,298 1,243,925 1,244,213 1,244,446 1,246,556 1,250,098 11: 1,224,838 1,236,061 1,236,616 112: 1,243,460 117: 1,243,189 133: 1,243,663 1,243,663 208: 1,243,294 142—	1: 1,223,597 15: 1,221,552 1,241,838 27: 1,225,019 40: 1,249,332 42: 1,246,922 55: 1,226,071 1,236,633 143—	1: 1,237,435 4: 1,216,517 6: 1,248,805 12: 1,229,760 17: 1,218,301 19: 1,238,436 25: 1,213,560 26: 1,250,977 32: 1,239,384 33: 1,224,675 34: 1,221,401 41: 1,236,228 42: 1,235,226 43: 1,216,340 1,221,267 49: 1,211,974 1,241,871 1,248,748 52: 1,225,545 55: 1,229,987 63: 1,230,991 68: 1,212,678 1,215,431 1,225,531 1,246,667 69: 1,234,690 72: 1,211,456 86: 1,220,964 88: 1,222,514 1,235,970 1,241,804 1,248,155 89: 1,214,561 1,214,862 1,233,083 1,240,228 1,245,816 1,248,866 90: 1,247,758 97: 1,245,387 105: 1,219,649 107: 1,224,635 113: 1,248,432 118: 1,230,969 1,241,804 1,244,575 122: 1,211,855 124: 1,226,037 126: 1,231,161 132: 1,230,275 133: 1,240,939 135: 1,229,597 1,231,190 139: 1,219,161 151: 1,240,331 159: 1,228,047 1,244,187 1,247,247 163: 1,221,128 1,231,211 168: 1,227,155 2: 1,213,512 1,215,822 1,217,907 1,218,780 1,220,540 1,231,625 1,235,646 1,243,404 1,247,259 3: 1,210,908 1,224,628 1,250,822 7: 1,212,411 12: 1,218,836 15: 1,244,374 19: 1,240,393 23: 1,234,467	144—	27: 1,225,836 46: 1,225,582 50: 1,234,012 1,236,687 1,236,688 52: 1,236,764 57: 1,210,526 58: 1,215,651 61: 1,211,773 1,236,753 1,248,465 1,248,538 62: 1,217,993 64: 1,236,992 65: 1,240,837 69: 1,225,625 70: 1,245,677 85: 1,245,402 90: 1,230,379 91: 1,229,800 93: 1,219,078 95: 1,251,056 105: 1,251,133 106: 1,231,253 1,242,566 114: 1,240,769 117: 1,236,611 118: 1,218,562 119: 1,224,943 1,228,476 128: 1,249,349 130: 1,212,618 1,226,902 136: 1,229,763 1,234,015 1,234,016 1,243,797 137: 1,249,474 1,237,487 144: 1,246,465 1,211,532 1,212,292 1,229,469 1,240,619 1,244,655 1,248,554 154: 1,213,271 162: 1,226,185 172: 1,243,734 186: 1,237,378 193: 1,231,525 197: 1,220,096 202: 1,248,095 203: 1,223,125 206: 1,234,837 208: 1,228,374 1,233,321 1,247,526 1,248,700 209: 1,243,909 1,248,490 216: 1,228,431 218: 1,213,888 1,247,588 219: 1,226,686 222: 1,222,871 224: 1,222,783 234: 1,211,323 1,215,755 238: 1,244,231 1,244,232 242: 1,224,676 1,248,967 1,249,533 245: 1,237,098 1,240,665 250: 1,233,985 1,241,925 1,242,020 251: 1,217,550 1,235,403 1,241,588 1,242,369 254: 1,250,480 259: 1,220,199 263: 1,234,665 267: 1,249,302 278: 1,227,156 286: 1,211,888 1,218,193 1,235,568 288: 1,213,812 1,226,335 1,241,629 289: 1,219,429 1,221,774 1,228,745 291: 1,214,905 1,227,296 1,245,638 292: 1,218,842 1,221,601 1,222,204	144—	292: 1,226,763 293: 1,246,466 296: 1,244,419 298: 1,235,375 299: 1,236,029 301: 1,241,215 303: 1,212,521 1,212,123 1,220,639 1,228,108 304: 1,233,223 306: 1,236,134 309: 1,222,616 1,238,890 1,242,297 1,248,414 145—	1: 1,218,145 1,218,429 2: 1,220,858 5: 1,213,552 1,239,197 8: 1,229,747 1,246,127 10: 1,249,674 12: 1,221,436 18: 1,222,438 24: 1,243,504 29: 1,210,539 1,221,844 30: 1,225,070 1,247,683 31: 1,228,728 1,240,173 33: 1,226,431 1,227,902 1,245,345 34: 1,235,545 35: 1,226,476 1,234,432 47: 1,217,922 1,228,154 1,241,577 50: 1,225,922 1,230,173 1,230,494 1,238,300 1,239,131 1,249,394 52: 1,212,743 1,218,452 1,229,793 1,231,792 1,240,138 1,250,682 61: 1,212,430 1,215,308 1,221,655 1,225,249 1,243,667 1,244,981 1,250,508 62: 1,250,328 64: 1,230,724 1,236,258 68: 1,212,480 1,212,841 69: 1,239,847 71: 1,239,394 1,239,961 75: 1,222,448 79: 1,219,895 1,228,600 81: 1,215,980 83: 1,250,673 92: 1,241,143 106: 1,243,310 107: 1,249,529 110: 1,247,181 117: 1,244,593 120: 1,231,551 1,234,468 121: 1,237,064 1,241,294 124: 1,212,348 127: 1,232,397 1,232,980 146—	3: 1,243,572 1,246,397 1,248,313 5: 1,226,438 1,234,697 1,235,706 6: 1,213,361 1,220,364 1,220,854 1,223,343 1,225,556 1,225,838 1,228,279 1,230,123 1,235,870 1,237,528 1,244,757 1,250,676 7: 1,213,056 1,213,681 1,215,296 1,218,532 1,218,566 1,218,577 1,223,550 1,226,797 1,229,840 1,230,227 1,231,395 1,234,724 1,238,358 1,243,390 1,243,538 1,249,752 8: 1,217,791 1,217,872 9: 1,224,993 1,228,247 1,229,252 11: 1,212,055 1,215,731 1,217,269 1,220,179 1,223,254 1,227,056 1,230,329 1,230,640 1,238,893 1,238,982 1,239,337 1,241,702 1,242,881 1,244,331 1,246,110 1,246,811 1,246,935 1,248,591 12: 1,211,328 1,211,375 1,212,045 1,217,717 1,229,918 1,233,947 1,234,540 1,236,083 1,237,162 1,246,905 14: 1,210,853 1,213,843 1,215,596 1,217,099 1,221,598 1,222,008 1,222,645 1,226,418 1,228,103 1,231,100 1,233,653 1,234,767 1,235,378 1,236,690 1,237,251 1,237,623 1,241,529 1,243,724 1,244,452 1,245,767 1,245,768 1,246,223 1,248,214 15: 1,219,580 1,224,134 1,241,646 1,248,166 23: 1,213,502 26: 1,218,079 1,226,041 1,238,434 1,244,471 1,246,976 1,247,460
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Classification of patents—Continued.

146—	26: 1,249,426 27: 1,217,326 1,236,259 1,236,260 1,241,541 1,247,307 1,249,020 1,250,335 29: 1,213,192 1,221,364 1,222,110 1,226,704 1,248,747 30: 1,211,566 46: 1,247,965 147—	150—	3: 1,211,853 1,214,796 1,236,285 6: 1,219,232 1,246,530 8: 1,220,006 1,221,372 1,237,134 1,237,930 11: 1,218,244 12: 1,233,784 13: 1,230,937 15: 1,228,652 28: 1,214,282 1,228,715 29: 1,217,171 1,220,761 1,223,920 1,235,049 1,239,327 1,240,557 33: 1,248,100 34: 1,213,775 37: 1,247,164 38: 1,211,533 1,223,946 1,228,251 1,230,100 39: 1,211,025 1,239,596 40: 1,220,171 42: 1,240,060 47: 1,213,758 48: 1,225,511 1,232,827 1,233,117 1,243,381 49: 1,222,516 1,231,654 1,233,832 1,240,817 51: 1,219,886 1,237,002 52: 1,215,054 1,217,357 1,220,559 1,221,100 1,228,258 54: 1,220,750 1,238,715 212: 1,250,503 2: 1,212,033 1,216,431 1,237,400 1,238,962 1,240,568 3: 1,210,736 1,216,952 1,224,556 1,235,717 4: 1,246,689 5: 1,212,361 1,218,072 1,218,454 1,226,440 1,228,331 1,234,081 1,241,401 6: 1,225,419 1,250,044 8: 1,220,129 1,240,046 9: 1,210,669 1,211,553 1,216,833 1,225,785 10: 1,227,310 11: 1,211,391 1,212,783 1,221,194 1,221,413 1,223,044 1,226,143 1,236,838 12: 1,212,074 1,216,957 1,228,624 1,230,649 1,235,864 13: 1,225,626 1,229,808 1,246,353 1,247,527 14: 1,212,394 1,239,958 15: 1,213,071 1,216,586 1,216,954 1,226,834 1,229,872 1,245,957 17: 1,220,579 1,222,843	151—	17: 1,228,940 1,235,594 1,244,039 19: 1,212,143 21: 1,210,532 1,210,737 1,216,853 1,217,520 1,221,456 1,228,334 1,238,796 22: 1,210,507 1,210,844 1,228,671 1,228,704 1,245,362 1,250,748 23: 1,219,780 1,240,245 24: 1,218,184 1,247,255 25: R. 14,291 1,213,097 1,215,460 1,220,207 1,223,405 1,223,911 1,231,064 1,232,239 1,240,781 1,242,786 1,246,679 1,247,794 26: 1,218,168 1,239,414 27: 1,212,126 1,217,835 1,229,701 1,230,745 1,249,802 28: 1,216,310 1,235,205 29: 1,216,190 1,236,077 1,241,181 1,242,342 1,245,966 1,249,987 1,250,278 30: 1,217,686 1,226,354 1,242,689 1,247,854 32: 1,229,783 1,231,703 1,246,631 33: 1,215,971 34: 1,250,241 35: 1,216,020 1,227,265 36: 1,214,783 1,245,907 37: 1,231,840 1,234,830 1,251,141 38: 1,234,020 39: 1,210,758 1,210,919 1,228,130 1,228,262 1,228,881 1,229,241 40: 1,238,012 1,249,336 44: 1,232,024 45: 1,230,891 50: 1,233,342 51: 1,241,962 53: 1,228,679 1,238,933 55: 1,212,918 57: 1,226,863 60: 1,242,818 1,247,236 62: 1,231,851 1,246,378 63: 1,235,831 152—	152—	2: 1,244,214 1,246,132 1,249,433 1,249,561 1,249,623 4: 1,235,621 1,251,401 5: 1,215,577 1,217,232 1,223,049 1,223,204 1,225,880 1,226,899 1,227,422 1,228,346 1,231,931 1,233,478 1,237,155 1,237,574 1,238,125 1,241,380 1,241,852 1,245,296 1,249,284 1,251,077 1,251,082 6: 1,234,004 7: 1,223,725 1,235,537 1,238,741 8: 1,210,647 1,211,144 1,211,869 1,212,036 1,212,380 1,213,557 1,214,155 1,214,174 1,214,291 1,214,590 1,214,768 1,215,414 1,216,988 1,217,124 1,217,461 1,217,486 1,217,568 1,217,619 1,217,724 1,218,548 1,219,555 1,219,653 1,220,230 1,220,516 1,220,534 1,220,676 1,221,411 1,222,905 1,224,758 1,224,920 1,225,042 1,225,967 1,226,414 1,226,580 1,226,880 1,227,988 1,228,010 1,228,305 1,229,166 1,229,412 1,229,892 1,230,141 1,231,397 1,232,127 1,232,320 1,232,369 1,232,406 1,232,490 1,232,547 1,232,887 1,232,971 1,232,998 1,233,161 1,233,331 1,233,351 1,234,289 1,234,682 1,235,093 1,235,264 1,235,586 1,235,965 1,236,490 1,236,821 1,237,398 1,237,416 1,239,278 1,239,658 1,240,059 1,240,432 1,241,235 1,241,283 1,241,453 1,242,269	152—	8: 1,242,640 1,242,846 1,243,259 1,243,303 1,243,322 1,244,128 1,244,276 1,244,554 1,244,934 1,245,661 1,246,307 1,246,713 1,247,283 1,247,984 1,248,636 1,249,517 1,249,695 1,249,985 1,250,510 1,250,643 1,250,670 1,250,672 1,250,942 9: 1,214,566 1,230,967 1,232,654 1,235,597 1,241,845 1,246,324 1,246,756 10: 1,213,072 1,213,476 1,214,321 1,215,486 1,215,717 1,217,407 1,217,754 1,221,759 1,222,614 1,222,909 1,227,000 1,231,048 1,231,957 1,232,981 1,235,421 1,243,515 1,244,209 1,245,413 11: 1,217,234 1,225,137 1,228,610 1,229,039 1,234,962 1,241,696 1,243,420 1,246,464 1,250,223 12: 1,210,427 1,210,702 1,211,245 1,211,501 1,211,769 1,212,362 1,212,640 1,212,641 1,213,515 1,214,004 1,214,781 1,216,192 1,216,853 1,218,111 1,219,729 1,220,809 1,220,867 1,223,179 1,223,344 1,223,345 1,223,716 1,225,910 1,226,563 1,226,608 1,226,664 1,229,734 1,229,928 1,231,548 1,234,289 1,232,592 1,232,726 1,234,907 1,234,940 1,236,111 1,237,041 1,237,512 1,240,040 1,242,995 1,243,521 1,244,330 1,244,881 1,245,373 1,245,927 1,247,326 1,249,014 1,249,112	152—	12: 1,249,591 1,250,957 1,211,035 1,213,697 1,213,735 1,213,929 1,214,670 1,216,916 1,217,665 1,218,486 1,219,420 1,221,888 1,227,108 1,227,428 1,228,144 1,228,204 1,228,630 1,231,446 1,232,657 1,234,142 1,234,143 1,234,144 1,235,052 1,235,258 1,235,861 1,235,963 1,236,506 1,236,534 1,237,977 1,237,978 1,238,099 1,238,567 1,239,553 1,239,813 1,242,252 1,243,576 1,245,524 1,247,681 1,249,727 14: 1,210,933 1,211,958 1,212,558 1,213,044 1,213,131 1,213,256 1,213,290 1,213,410 1,213,949 1,214,435 1,214,537 1,214,777 1,215,216 1,215,302 1,215,395 1,217,999 1,218,430 1,219,088 1,220,847 1,221,173 1,222,906 1,225,459 1,226,254 1,226,862 1,226,890 1,228,058 1,228,947 1,229,244 1,229,613 1,230,508 1,233,971 1,234,075 1,234,538 1,234,568 1,235,223 1,235,670 1,236,251 1,236,602 1,236,671 1,237,274 1,237,369 1,237,770 1,237,771 1,237,929 1,238,490 1,239,711 1,239,749 1,239,856 1,241,066 1,241,621 1,242,238 1,243,022 1,243,633 1,243,711 1,244,018 1,244,080 1,244,447 1,246,360 1,246,692 1,247,529 1,248,212 1,249,350
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Classification of patents—Continued.

152—	14:	1,249,969	152—	21:	1,221,721	152—	24:	1,211,427	152—	36:	1,233,462	153—	11:	1,244,985	154—	10:	1,228,196
		1,250,866			1,222,211			1,224,103			1,247,988		16:	1,217,483			1,230,415
		1,250,908			1,222,542			1,224,248			1,248,353			1,221,686			1,241,913
	16:	1,210,594			1,223,312			1,226,909			1,250,158			1,237,195			1,243,076
		1,211,192			1,223,501		26:	R. 14, 405			1,250,159			1,239,851			1,246,488
		1,211,214			1,223,635			1,215,582			1,212,180		17:	1,249,843		11:	1,211,827
		1,212,448			1,223,797			1,215,719			1,215,768		21:	1,235,821			1,250,916
		1,214,273			1,223,900			1,219,577			1,216,650			1,241,915		12:	1,227,791
		1,215,179			1,223,977			1,219,578			1,218,973		23:	1,216,277			1,237,227
		1,215,301			1,224,012			1,221,479			1,219,661		31:	1,219,174		13:	1,250,920
		1,216,870			1,224,511			1,221,912			1,221,393		32:	1,220,360		14:	1,210,434
		1,221,511			1,224,637			1,229,096			1,221,694			1,229,292			1,211,351
		1,221,978			1,224,666		27:	1,211,005			1,222,734			1,234,183			1,213,600
		1,222,283			1,224,706			1,215,349			1,223,829			1,236,465			1,219,163
		1,223,776			1,224,830			1,220,819			1,224,060			1,238,015			1,219,835
		1,226,320			1,225,126			1,223,878			1,225,210			1,239,533			1,220,178
		1,226,358			1,225,557		28:	1,211,504			1,227,024			1,239,678			1,221,687
		1,228,001			1,227,925			1,212,607			1,231,734			1,239,679			1,225,344
		1,228,355			1,227,990			1,213,936			1,237,065			1,240,576			1,228,099
		1,228,447			1,227,995			1,215,124			1,237,913			1,244,422			1,229,175
		1,228,619			1,228,246			1,217,190			1,240,624		37:	1,229,981			1,237,131
		1,232,821			1,228,557			1,220,709			1,242,759		33:	1,224,945			1,239,291
		1,234,193			1,228,795			1,220,890			1,244,822			1,251,172			1,242,073
		1,235,156			1,228,796			1,221,053			1,245,991		39:	1,218,633			1,242,270
		1,235,458			1,228,941			1,224,747			1,246,736			1,231,453			1,245,838
		1,235,877			1,228,970			1,225,225			1,249,678		40:	1,214,551			1,245,859
		1,239,312			1,229,639			1,225,404		38:	1,210,740			1,238,441			1,248,713
		1,241,006			1,229,801			1,228,638			1,219,350			1,238,941			1,248,871
		1,242,078			1,230,075			1,231,389			1,220,329			1,240,605			1,250,917
		1,242,691			1,230,182			1,232,991			1,222,998		46:	1,239,165		15:	1,217,560
		1,243,04C			1,230,431			1,235,243			1,230,588			1,250,896			1,217,888
		1,243,578			1,230,902			1,240,357			1,231,498		48:	1,221,384			1,237,698
		1,243,653			1,231,314			1,241,906			1,234,048			1,239,437			1,244,236
		1,243,657			1,231,538			1,242,459			1,234,273		49:	1,215,332		17:	1,240,438
		1,246,838			1,231,539			1,243,130			1,242,169		51:	1,226,918			1,240,439
		1,247,207			1,231,644			1,243,735			1,243,503		54:	1,227,604		24:	1,245,668
		1,247,393			1,232,306			1,243,751			1,246,518		61:	1,245,827		28:	1,214,185
		1,247,534			1,233,283			1,245,357		39:	1,221,242		64:	1,227,659		31:	1,233,377
		1,250,710			1,233,465			1,246,431		41:	1,225,789			1,238,445		32:	1,243,013
		1,250,742			1,233,705			1,247,591			1,239,333			1,243,179		36:	1,215,195
		1,251,014			1,231,394			1,249,438		42:	1,214,811			1,250,584			1,242,970
17:		1,216,141			1,234,820			1,250,529			1,216,714		65:	1,213,450		39:	1,222,594
		1,218,865			1,235,360		29:	1,213,719			1,251,357		67:	1,210,894		40:	1,210,790
		1,222,070			1,235,401			1,221,307			1,223,785			1,217,101			1,211,706
		1,226,270			1,236,250			1,221,570			1,236,362		68:	1,225,730			1,216,055
		1,227,800			1,236,301			1,229,625			1,236,412			1,240,534			1,220,997
		1,228,539			1,237,349			1,230,220		44:	1,210,998			1,244,598		41:	1,236,994
		1,229,115			1,237,613			1,233,901			1,211,096		69.5:	1,218,183			1,243,728
		1,233,464			1,237,614			1,235,485			1,220,889		71:	1,210,895		42:	1,210,455
		1,234,118			1,237,692			1,242,641			1,230,699		77:	1,211,460			1,217,252
		1,234,331			1,238,176			1,244,543			1,240,805			1,212,482			1,217,253
		1,238,553			1,238,766			1,251,358			1,241,730			1,237,732			1,230,556
		1,242,484			1,238,769		30:	1,213,774		45:	1,215,709			1,246,145			1,224,837
		1,245,232			1,238,879			1,216,283			1,216,052		81:	1,212,489			1,225,734
18:		1,212,973			1,238,996			1,224,399			1,217,997			1,234,680		43:	1,211,624
		1,216,826			1,239,118			1,244,265			1,219,369		82:	1,232,938			1,214,288
		1,218,431			1,239,254		31:	1,215,885			1,221,529			1,235,835			1,225,735
		1,219,033			1,239,506			1,226,362			1,224,360			1,244,997		44:	1,229,835
		1,220,568			1,239,606			1,231,780			1,228,744			1,248,954			1,223,836
		1,220,914			1,240,162			1,236,525			1,233,867	154—	1:	1,210,930			1,227,087
		1,222,729			1,240,789			1,245,184			1,241,109			1,211,848			1,228,378
		1,225,770			1,240,888			1,245,910			1,245,513			1,211,849			1,228,422
		1,226,703			1,241,107			1,251,382			1,247,177			1,211,850			1,233,801
		1,227,289			1,241,345		32:	1,211,885			1,229,095			1,211,851			1,239,106
		1,227,673			1,242,310			1,216,937			1,249,627			1,211,852		45:	1,218,679
		1,228,650			1,242,330			1,221,362			1,212,208			1,212,324			1,220,763
		1,229,104			1,243,087			1,221,995			1,215,511			1,223,894			1,236,694
		1,229,861			1,243,312			1,228,809			1,231,872			1,226,650			1,240,462
		1,232,906			1,243,624			1,233,724			1,233,842			1,228,904			1,251,393
		1,233,277			1,244,014			1,239,891			1,220,425			1,234,866			1,210,575
		1,235,080			1,244,022			1,240,793			1,224,429			1,239,894		45.5:	1,211,476
		1,236,227			1,244,037			1,240,951			1,237,988			1,242,698			1,213,926
		1,240,051			1,244,685			1,242,123			1,245,450			1,245,450			1,215,064
		1,241,792			1,246,115			1,244,681			1,217,361			1,249,733			1,215,399
		1,244,337			1,246,678			1,245,092			1,217,363			1,250,338			1,225,286
		1,247,560			1,247,684			1,245,150			1,218,585		2:	1,211,867			1,230,594
		1,248,045			1,247,789			1,246,177			1,218,593			1,215,382			1,238,156
		1,248,089			1,248,350			1,246,457			1,222,231			1,217,879			1,248,997
		1,250,100			1,248,386			1,247,360			1,222,232			1,223,348		45.9:	R. 14, 346
		1,251,017			1,248,887			1,249,649			1,222,233			1,223,444			1,214,803
		1,251,444			1,249,018			1,213,096			1,222,976			1,224,264			1,245,196
19:		1,223,724			1,249,356		33:	1,213,096			1,223,140			1,226,767			1,211,642
20:		1,220,934			1,249,452			1,224,341			1,226,397			1,228,049		46:	1,211,642
		1,235,546			1,249,922			1,225,803			1,227,848			1,236,462			1,231,141
		1,245,110			1,249,979			1,225,803			1,227,848			1,236,685			1,231,429
21:		1,211,056			1,250,309		34:	1,233,722			1,229,618			1,231,965			1,236,317
		1,212,379			1,250,633			1,243,114			1,231,965			1,238,758			

Classification of patents—Continued.

154—	51: 1,226,904	155—	13: 1,213,920	155—	27: 1,231,148	156—	14: 1,223,535	156—	24: 1,231,441	156—	39: 1,216,704
	52: 1,215,275		1,219,960		1,233,927		1,225,979		1,232,729		1,217,338
	1,230,338		1,226,416		1,238,035		1,226,802		1,233,248		1,217,561
	1,247,658		1,231,129		28: 1,212,808		1,227,734		1,234,064		1,217,793
	53: 1,250,230		1,231,156		1,246,209		1,228,536		1,235,001		1,218,127
	54.5: 1,227,557		1,237,850		30: 1,240,243		1,232,283		1,236,269		1,220,675
	1,231,142		1,238,087		1,241,544		1,233,310		1,236,393		1,220,881
	1,237,493		1,242,406		1,247,303		1,233,432		1,236,724		1,222,137
	1,246,231		1,247,385		31: 1,244,389		1,234,034		1,237,656		1,223,934
	55: 1,212,688		1,247,521		32: 1,211,355		1,235,152		1,238,680		1,229,131
	1,238,668		1,250,691		1,215,689		1,235,694		1,238,931		1,229,400
	1,240,231		1,219,834		1,218,357		1,235,735		1,239,845		1,230,918
	1,250,459		1,231,414		1,220,386		1,238,854		1,242,088		1,232,803
	216: 1,236,349		1,238,078		1,223,065		1,241,687		1,242,345		1,233,658
155—	2: 1,212,533		1,249,609		1,226,554		1,241,794		1,242,521		1,234,105
	1,214,123		1,210,429		1,240,119		1,243,715		1,242,653		1,235,769
	1,214,124		1,211,909		1,242,163		1,245,044		1,247,897		1,240,768
	1,216,885		1,228,521		1,244,911		1,245,045		1,250,823		1,241,425
	1,219,868		1,228,967		33: 1,212,220		1,245,249		1,250,846		1,242,072
	1,220,642		1,230,642		1,213,833		1,245,537		25: 1,215,032		1,242,177
	1,220,644		1,231,151		1,214,256		1,248,857		1,238,014		1,242,878
	1,224,861		1,241,277		1,217,091		1,248,858		1,244,403		1,243,923
	1,228,785		1,241,357		1,220,099		1,250,376		* 26: 1,216,594		1,243,928
	1,231,205		1,230,252		1,221,225		1,218,556		1,217,261		1,245,585
	1,231,914		1,233,419		1,227,062		1,225,060		1,219,378		1,246,410
	1,232,588		1,241,171		1,228,759		1,229,523		1,229,074		1,246,570
	1,232,931		22: 1,216,014		1,230,836		1,238,064		1,230,269		1,249,369
	1,234,267		1,218,857		1,232,537		1,247,599		27: 1,212,354		1,250,827
	1,238,913		1,219,324		1,232,901		1,215,985		1,213,301		40: 1,236,808
	1,240,244		1,219,437		1,233,006		1,233,781		1,214,344		42: 1,217,765
	1,242,041		1,220,316		1,233,051		1,210,472		1,215,671		1,218,725
	1,250,698		1,220,832		1,245,243		1,214,678		1,217,443		1,222,907
3: 1,212,453			1,223,086		34: 1,212,734		1,214,995		1,219,774		1,228,688
	1,212,548		1,223,779		1,221,306		1,220,158		1,221,161		1,232,916
	1,213,812		1,224,539		1,228,618		1,229,874		1,222,434		1,234,983
	1,223,576		1,226,737		1,231,303		1,233,657		1,230,223		1,237,006
	1,228,954		1,227,229		1,231,917		1,234,066		1,230,224		1,246,601
	1,233,625		1,227,803		1,236,517		1,239,905		1,236,577		1,248,227
	1,235,263		1,228,249		1,242,024		1,240,582		1,236,729		1,249,759
	1,239,279		1,231,041		35: 1,212,739		1,245,354		1,238,464		44: 1,212,619
	1,240,692		1,231,689		1,213,783		1,246,046		1,243,561		1,218,591
	1,243,402		1,232,079		1,215,110		1,250,190		1,249,222		1,230,244
	1,242,109		1,233,263		1,215,394		1,210,435		1,249,936		1,231,786
	1,242,110		1,236,960		1,218,194		1,215,126		1,250,043		1,240,179
	1,246,659		1,237,499		1,220,332		1,217,883		1,232,927		1,243,988
	1,250,061		1,237,647		1,220,764		1,233,835		28: 1,232,927		1,248,299
4: 1,212,657			1,237,956		1,228,694		1,239,919		29: R. 14,375		1,250,239
	1,224,891		1,239,185		1,228,825		1,249,972		31: 1,233,314		1,211,662
	1,230,948		1,239,253		1,230,609		1,229,672		21: 1,229,672		1,211,663
5: 1,213,762			1,242,407		1,237,786		1,236,888		33: 1,232,233		1,214,315
	1,222,685		1,244,823		1,238,920		1,238,214		34: 1,222,276		1,214,807
6: 1,210,878			1,245,967		1,240,089		1,244,748		1,222,474		1,216,995
	1,212,675		1,246,261		1,241,951		1,210,473		1,223,837		1,218,881
	1,214,019		24: 1,229,214		1,243,659		1,210,619		35: 1,228,069		1,220,321
	1,214,701		1,245,181		1,247,500		1,210,947		1,235,451		1,227,011
	1,216,172		1,247,625		1,247,577		1,216,983		1,242,362		1,232,292
	1,218,322		25: 1,213,898		1,210,739		1,220,900		1,247,452		1,233,660
	1,220,300		1,213,980		1,214,854		1,227,019		36: 1,212,696		1,234,631
	1,222,678		1,215,790		1,231,686		1,227,020		1,219,210		1,235,308
	1,224,982		1,218,234		1,248,915		1,231,336		1,219,100		1,238,050
	1,229,251		1,218,770		37: 1,246,837		1,231,923		1,219,312		1,238,649
	1,229,980		1,219,654		41: 1,217,268		1,240,863		1,220,567		1,242,409
	1,238,354		1,220,555		1,226,410		1,242,441		1,225,338		1,242,950
	1,238,452		1,221,748		1,230,239		1,242,849		1,227,724		1,243,534
	1,249,415		1,222,175		1,245,182		1,243,139		1,228,303		6: 1,211,571
	1,250,755		1,222,788		42: 1,241,753		1,244,305		1,230,611		1,213,967
	1,251,079		1,229,488		43: R. 14,322		1,248,320		1,234,442		1,215,680
	7: 1,225,811		1,231,386		1,213,559		1,216,128		1,238,642		1,217,009
	1,236,401		1,231,832		1,215,618		1,216,271		1,240,579		1,217,777
8: 1,218,611			1,237,440		1,220,202		1,216,276		1,240,580		1,220,107
	1,218,612		1,242,346		1,220,237		1,216,592		1,242,949		1,220,659
	1,218,940		1,242,996		1,220,393		1,218,280		37: 1,229,983		1,220,956
	1,237,600		1,243,531		1,221,444		1,221,210		1,236,936		1,223,689
	1,241,742		1,243,787		1,221,976		1,221,264		1,237,284		1,233,012
	1,241,907		1,248,956		1,224,909		1,222,632		1,240,627		1,234,141
9: 1,211,260			26: 1,212,713		1,226,600		1,226,422		38: 1,211,560		1,237,553
	1,211,428		1,213,511		1,229,440		1,229,018		1,211,920		1,239,454
	1,215,280		1,215,467		1,234,210		1,231,496		1,212,753		1,246,050
	1,216,492		1,216,287		1,243,903		1,231,656		1,213,213		1,250,180
	1,217,246		1,216,625		1,244,773		1,232,479		1,214,494		11: 1,242,354
	1,218,120		1,217,783		1,249,721		1,233,007		1,217,222		27: 4: 1,237,535
	1,218,518		1,217,950		44: 1,216,878		1,234,486		1,219,811		1,216,096
	1,221,596		1,219,068		1,230,018		1,236,332		1,219,817		158— 1: 1,216,096
	1,228,105		1,219,476		1,233,240		1,239,364		1,220,163		1,231,224
	1,231,107		1,223,272		1,234,603		1,239,387		1,220,259		1,232,756
	1,233,249		1,225,567		45: 1,221,850		1,242,107		1,221,564		1,243,311
	1,233,747		1,225,776		1,222,664		1,251,122		1,227,577		1,248,321
	1,237,749		1,227,516		1,223,707		1,211,094		1,229,695		1.5: 1,218,942
	1,240,301		1,228,073		156— 10: 1,212,270		1,211,719		1,229,744		1,235,855
	1,248,358		1,230,187		1,228,436		1,212,080		1,230,197		4: 1,217,698
	1,249,340		1,234,309		1,230,271		1,214,548		1,231,177		5: 1,246,004
10: 1,245,322			1,238,782		1,240,581		1,217,695		1,231,820		1,250,268
11: 1,216,987			1,239,388		1,249,012		1,218,774		1,232,511		7: 1,213,052
	1,229,657		1,239,470		14: R. 14,360		1,219,103		1,233,590		1,219,072
	1,230,301		1,243,913		1,211,402		1,219,621		1,235,241		1,242,114
12: 1,226,866			1,247,161		1,211,403		1,220,759		1,236,580		7.5: 1,219,499
	1,232,985		1,247,547		1,212,676		1,225,469		1,238,294		1,219,500
	1,233,542		1,248,138		1,213,029		1,227,194		1,238,747		1,222,690
	1,237,301		1,250,857		1,214,162		1,228,137		1,241,185		1,246,114
	1,238,767		1,211,608		27: 1,211,608		1,216,495		1,228,514		1,247,020
	1,242,074		1,219,409		1,224,263		1,219,962		1,228,531		1,248,703
	1,248,931		1,228,771		1,220,888		1,221,595		1,230,778		S: 1,212,613
13: 1,210,518					1,221,595		1,230,813		39: 1,215,651		1,220,385

158— 8: 1,225,718 1,247,025 10: 1,216,780 1,218,012 1,218,284 1,223,442 1,251,179 11: 1,229,517 12: 1,232,324 13: 1,240,333 23.1: 1,210,522 1,228,043 1,237,563 1,238,955 1,242,487 1,242,489 1,244,887 26: 1,230,915 27: 1,218,636 1,249,625 27.4: 1,214,055 1,214,727 1,214,880 1,216,875 1,217,119 1,222,164 1,222,819 1,225,383 1,227,104 1,227,881 1,228,038 1,228,676 1,230,204 1,233,423 1,233,706 1,235,902 1,236,833 1,237,534 1,244,030 1,244,042 1,246,573 1,247,790 1,247,791 1,248,895 1,248,994 27.5: 1,220,103 27.6: 1,216,248 1,248,769 28: 1,226,570 1,227,736 1,231,152 30: 1,225,716 31: 1,225,717 1,225,719 1,234,326 33: 1,216,115 1,231,019 1,237,995 1,240,117 36: R. 1,435,353 1,213,117 1,216,578 1,216,992 1,218,085 1,219,938 1,222,235 1,227,497 1,229,360 1,230,537 1,230,596 1,230,832 1,235,250 1,236,670 1,236,730 1,237,591 1,237,937 1,238,633 1,240,840 1,240,842 1,241,038 1,241,039 1,241,546 1,241,547 1,242,287 1,242,288 1,243,038 1,243,194 1,243,813 1,243,990 1,244,052 1,244,092 1,244,553 1,244,686 1,245,716 1,245,893 1,246,887 1,247,147 1,247,149 1,249,939 1,250,461 38: 1,244,651 1,250,059 1,250,060	158— 41: 1,217,451 1,240,312 42: 1,247,474 46: 1,248,172 46.5: 1,238,073 1,248,403 47: 1,229,921 50.1: 1,212,078 1,235,678 1,240,606 1,245,165 50.2: 1,219,115 50.3: 1,237,891 1,249,668 52: 1,210,597 1,219,365 1,221,448 1,233,123 1,236,699 1,245,195 1,250,692 54: 1,213,412 1,239,775 56: 1,226,798 1,226,871 1,248,835 59: 1,232,026 61: 1,218,647 1,238,395 63: 1,214,432 1,219,881 1,223,141 1,224,372 1,236,305 1,237,904 1,240,130 1,241,404 64: 1,228,599 1,230,772 1,232,878 1,233,547 1,233,577 1,237,044 1,239,276 65: 1,222,792 1,224,854 1,225,994 1,230,735 1,241,334 1,247,513 69: 1,217,538 1,220,655 1,232,693 1,234,129 1,234,890 71: 1,214,370 1,238,003 1,244,146 73: 1,230,657 74: 1,210,856 1,223,011 1,229,008 1,230,883 1,234,088 1,241,135 1,242,183 1,244,329 75: 1,211,792 1,213,675 1,217,019 1,223,337 1,227,867 1,230,725 1,231,447 1,233,359 1,238,016 1,238,089 1,238,513 1,242,291 1,242,567 1,243,559 76: 1,250,160 77: 1,236,073 1,240,683 1,241,069 78: 1,230,982 1,248,875 79: 1,214,657 1,231,969 1,233,676 1,236,172 1,240,061 1,245,663 81: 1,249,425 86: 1,247,792 87: 1,227,239 1,237,427 88: 1,212,901 1,231,394 89: 1,219,906 90: 1,212,902 1,213,328 1,227,245	158— 91: 1,222,346 1,223,441 1,224,478 1,232,592 1,238,780 92: 1,225,551 1,248,055 94: 1,214,547 1,218,777 1,246,878 95: 1,227,930 97: 1,226,625 1,230,078 99: 1,223,248 1,223,308 1,225,381 1,227,277 1,237,780 1,241,111 1,242,408 1,247,740 1,249,366 104: 1,215,679 1,220,412 105: 1,224,157 1,240,780 106: 1,220,128 1,227,189 1,239,681 1,245,347 1,246,523 108: 1,238,632 109: 1,217,367 1,222,084 1,227,829 1,232,321 1,233,217 1,233,461 1,233,779 111: 1,245,891 112: 1,215,229 1,245,346 1,246,522 1,246,682 113: 1,216,741 114: 1,210,654 1,241,032 115: 1,212,510 1,216,529 1,233,702 1,240,369 1,240,835 1,245,548 1,251,112 116: 1,213,885 1,223,182 1,231,726 117: 1,215,653 117.5: 1,213,470 1,222,922 1,223,249 1,229,338 1,239,776 118: 1,210,980 1,210,981 1,214,819 1,218,503 1,228,217 1,242,490 119: 1,249,382 120: 1,227,616 1,229,038 1,210,679 1,214,791 1,214,792 1,220,285 1,224,356 1,224,380 1,224,381 1,224,644 1,224,931 1,228,419 1,240,967 1,243,296 1,243,297 161— 1: 1,214,843 1,216,357 1,219,951 1,232,840 1,237,764 1,251,100 2: 1,233,559 1,243,852 1,245,485 4: 1,237,517 1,248,419 5: 1,217,523 6: 1,229,723 8: 1,231,706 1,232,813 1,240,749 1,246,897	161— 9: 1,231,650 1,232,036 1,233,511 1,239,955 1,240,535 10: 1,211,097 1,214,881 1,216,050 1,239,404 15: 1,223,778 1,225,888 16: 1,211,614 1,229,862 1,229,863 1,230,845 18: 1,228,347 22: 1,215,666 25: 1,229,232 1,235,261 1,241,520 1,242,195 1,250,729 1,250,758 26: 1,211,664 1,212,583 1,217,493 1,223,807 1,227,901 1,230,500 1,230,501 1,238,621 1,247,902 1,250,628 1,251,143 27: 1,214,771 1,215,166 1,215,592 1,217,618 1,218,855 1,220,340 1,220,341 1,221,216 1,224,887 1,228,993 1,233,692 1,237,113 1,238,282 1,245,572 162— 1: 1,212,004 1,220,218 1,225,617 1,227,180 1,233,941 163— 3: 1,223,053 1,230,972 1,248,152 7: 1,228,651 1,230,870 8: 1,246,648 1,250,047 164— 6.5: 1,212,863 1,224,104 1,224,523 6.6: 1,210,848 1,211,362 1,215,061 1,224,877 1,231,888 12: 1,212,689 1,217,501 15: 1,211,987 1,213,275 1,241,259 1,241,260 23: 1,218,433 1,228,834 1,249,930 28: 1,223,893 1,223,942 29: 1,211,556 1,228,961 1,248,394 31: 1,239,289 32: 1,236,338 33: 1,236,620 34: 1,227,621 1,249,026 35: 1,248,253 36: 1,232,344 38: 1,246,327 39: 1,234,834 1,245,190 40: 1,216,426 41: 1,228,838 43: 1,245,410 44: 1,214,575 46: 1,218,521 1,245,460 47: 1,216,315 1,226,460 1,226,536 1,233,355 1,247,651	164— 47: 1,249,441 48: 1,213,265 1,213,266 1,218,418 1,242,107 1,227,162 1,240,237 1,243,673 49: 1,211,185 1,228,543 50: 1,249,621 51: 1,230,319 52: 1,210,858 56: 1,220,369 58: 1,229,736 1,235,216 1,236,508 59: 1,210,516 1,251,454 60: 1,210,454 1,235,192 1,248,079 61: 1,212,507 1,227,370 1,228,365 1,231,845 1,235,006 1,235,691 1,238,312 1,242,720 1,249,550 65: 1,238,080 66: 1,230,635 68: 1,235,393 1,244,005 1,244,654 1,248,023 1,248,588 1,249,544 69: 1,242,448 71: 1,214,295 73: 1,215,388 1,235,459 1,250,538 75: 1,228,826 1,233,872 1,235,847 76: 1,244,055 77: 1,241,313 80: 1,214,894 1,215,406 1,218,157 81: 1,210,553 1,231,021 82: 1,230,038 1,241,018 1,246,925 83: 1,211,777 1,228,318 84: 1,229,120 1,232,398 86: 1,221,881 1,244,017 1,246,886 87: 1,241,246 1,241,247 1,241,251 1,241,252 1,241,253 1,241,254 1,241,255 1,241,256 1,241,258 1,241,263 1,241,265 1,241,266 91: 1,219,170 1,243,656 94: 1,244,595 96: 1,245,388 100: 1,228,326 101: 1,245,235 102: 1,241,257 107: 1,212,176 1,212,187 1,212,319 110: 1,228,655 111: 1,233,528 112: 1,220,058 1,236,891 1,242,721 1,251,407 113: 1,214,983 1,229,057 1,241,248 1,241,264 1,241,268 114: 1,225,365 115: 1,241,267 1,241,269 116: 1,211,616 1,250,028 117: 1,245,530	164— 118: 1,247,228 119: 1,217,870 1,222,961 120: 1,227,869 121: 1,215,932 1,231,020 123: 1,219,336 124: 1,219,677 166— 1: 1,237,139 1,248,881 1,249,232 2: 1,223,796 4: 1,225,005 1,243,364 5: 1,211,415 1,232,534 1,241,003 6: 1,245,170 7: 1,236,615 8: 1,223,969 9: 1,223,098 10: 1,214,622 1,238,165 1,246,957 11: 1,248,882 13: 1,212,664 14: 1,215,244 1,217,853 1,220,998 15: 1,228,686 1,245,934 17: 1,235,294 1,235,770 18: 1,217,066 1,230,666 19: 1,247,092 21: 1,233,858 1,238,355 1,211,389 1,213,810 1,214,149 1,214,179 1,217,113 1,221,516 1,222,044 1,222,677 1,223,032 1,223,244 1,223,490 1,223,675 1,224,201 1,225,471 1,225,627 1,226,993 1,227,860 1,228,464 1,229,363 1,232,187 1,233,039 1,236,712 1,237,375 1,237,938 1,238,068 1,239,515 1,239,584 1,242,321 1,242,770 1,244,581 1,246,529 1,246,899 1,248,181 1,248,211 1,249,514 4: 1,220,557 1,241,950 1,243,729 1,250,132 6: 1,220,593 1,227,454 1,230,648 1,231,741 1,232,909 1,235,285 1,242,954 1,242,955 1,243,323 1,244,453 1,248,977 7: 1,212,888 1,216,046 1,218,209 1,218,472 1,226,229 1,227,525 1,235,179 1,235,195 1,240,694 1,243,349 1,243,501 1,247,522 1,249,331 1,250,345
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Classification of patents—Continued.

167—	9:	1,210,731	169—	17:	1,231,815	171—	34:	1,234,464	171—	223:	1,238,406	171—	313:	1,219,008	172—	120:	1,224,895
		1,211,712			1,233,290			1,236,130			1,250,718			1,219,518			1,226,091
		1,222,144			1,242,254			1,239,339			1,250,719			1,219,519			1,226,406
		1,225,362			1,248,722			1,242,472			1,222,469			1,222,720			1,232,012
		1,236,213			1,250,576		73:	R. 14, 243			1,220,370			1,227,413			1,237,944
		1,239,227			1,250,909			1,221,270			1,230,371			1,231,584			1,238,321
	10:	1,224,860			1,217,671			1,234,515			1,222,412			1,231,991			1,240,018
		1,229,317			1,241,572			1,241,496			1,245,823			1,235,522		126:	1,230,497
		1,244,141			1,250,738			1,242,499			1,215,786			1,236,180			1,232,174
		1,246,059			1,251,303		76:	1,229,308			1,215,787			1,236,916			1,235,149
	12:	1,212,903			1,229,071		95:	1,210,609			1,226,901			1,237,306			1,235,579
		1,222,883			1,246,798			1,215,867			1,228,936			1,238,896			1,237,181
168—	3:	1,237,077			1,233,289			1,219,617			1,238,213			1,239,710			1,250,401
		1,236,203			1,211,014			1,219,961			1,243,966			1,239,772		152:	1,222,090
		1,239,987			1,241,209			1,220,587			1,244,518			1,241,310			1,224,652
		1,241,016			1,210,757			1,220,833			1,210,889			1,241,485			1,225,976
		1,245,032			1,211,452			1,223,306			1,211,803			1,241,908			1,228,075
		1,218,901			1,211,709			1,224,171			1,214,021			1,242,328			1,228,434
		1,232,684			1,212,096			1,227,468			1,215,360			1,244,960			1,235,132
	19:	1,211,268			1,222,397			1,229,699			1,215,361			1,246,852			1,237,329
		1,211,454			1,226,488			1,229,767			1,216,518			1,246,853			1,242,625
		1,219,281			1,226,489			1,231,708			1,216,888			1,246,854			1,246,623
		1,234,747			1,231,515			1,232,253			1,220,255			1,247,946			1,249,043
		1,212,592			1,241,847			1,235,366			1,221,327			1,248,021			1,249,682
		1,212,266			1,213,078			1,236,114			1,223,313			1,249,135		179:	1,213,705
		1,228,358			1,213,749			1,241,275			1,226,142			1,250,152			1,215,847
		1,229,973			1,217,236			1,244,425			1,227,091			1,250,978			1,216,126
	30:	1,223,832			1,217,428			1,247,613			1,227,321			1,217,670			1,221,676
		1,227,133			1,232,907			1,248,246			1,227,921			1,217,670			1,222,207
		1,235,127			1,234,620						1,231,265			1,221,753			1,224,330
	31:	1,212,601			1,242,102		97:	1,217,511			1,233,370			1,222,257			1,225,096
		1,215,368			1,244,293			1,221,050			1,233,671			1,223,471			1,226,255
		1,216,093			1,245,134			1,221,177			1,234,864			1,224,986			1,226,804
		1,222,708			1,247,580			1,221,451			1,234,865			1,225,283			1,227,177
		1,236,494			1,214,061		25:	1,222,215			1,236,179			1,226,284			1,227,386
	34:	1,213,367			1,241,664			1,223,134			1,236,630			1,226,126			1,229,444
		1,245,101			1,221,090			1,224,139			1,238,145			1,227,149			1,229,446
	35:	1,218,630			1,246,484			1,227,070			1,240,930			1,227,771			1,229,544
		1,243,331			1,224,049			1,227,772			1,243,738			1,227,780			1,230,935
		1,250,484			1,225,033			1,234,028			1,248,624			1,227,790			1,231,573
		1,232,656			1,248,305			1,235,244			1,251,446			1,237,638			1,231,598
	41:	1,215,463			1,234,405			1,238,155			1,234,916			1,238,573			1,231,599
		1,225,119			1,219,339			1,238,868			1,213,689			1,240,590			1,231,604
		1,244,098			1,249,206			1,244,926			1,217,348			1,246,855			1,231,605
	42:	1,210,648			1,230,885			1,244,927			1,220,166			1,248,074			1,231,614
		1,233,869			1,212,109			1,245,241			1,227,302			1,248,848			1,231,658
	43:	1,243,332			1,228,660			1,248,375			1,236,675			1,249,223			1,231,662
		1,250,485			1,231,242			1,248,968			1,241,585			1,241,270			1,231,663
	44:	1,231,097			1,211,643			1,250,243			1,211,617			R. 14, 271			1,231,664
		1,231,963			1,241,918			1,250,536		252:	1,212,476			R. 14, 282			1,231,665
	48:	1,229,732			1,249,859		118:	1,211,220			1,212,544			1,216,237			1,231,992
		1,211,834			1,246,008			1,230,003			1,217,943			1,217,244			1,232,152
	5:	1,213,631			1,242,196			1,231,109			1,219,564			1,219,562			1,232,478
		1,220,025			1,214,340			1,235,932			1,220,486			1,219,563			1,232,915
		1,228,412			1,230,191			1,222,885			1,221,208			1,220,101			1,233,364
		1,228,553			1,234,101			1,225,639			1,224,160			1,221,657			1,233,402
		1,230,469			1,237,868			1,227,844			1,224,602			1,223,224			1,233,412
		1,232,773			1,216,080			1,231,628			1,227,414			1,225,643			1,234,151
		1,233,777			1,218,900			1,233,953			1,229,856			1,230,471			1,234,301
		1,236,901			1,227,905			1,235,436			1,231,588			1,231,266			1,236,711
		1,240,292			1,239,970			1,250,834			1,231,620			1,231,753			1,236,726
		1,241,747			1,246,788		123:	1,223,094			1,233,232			1,233,961			1,236,742
		1,244,031			1,224,950			1,224,729			1,234,914			1,234,876			1,236,760
		1,250,281			1,241,297			1,227,809			1,235,803			1,235,012			1,236,774
	6:	1,234,469			1,225,287			1,229,841			1,237,682			1,236,221			1,236,775
		1,214,581			1,228,209			1,231,651			1,238,243			1,236,568			1,236,778
		1,214,660			1,225,072			1,231,652			1,238,304			1,237,172			1,236,779
		1,214,661			1,246,289			1,238,923			1,238,666			1,237,215			1,236,780
		1,224,192			1,220,327			1,244,569			1,239,654			1,237,648			1,237,454
		1,225,944			1,211,398			1,246,700			1,241,503			1,239,647			1,237,518
		1,237,550			1,217,684			1,246,701			1,244,509			1,240,348			1,237,649
		1,238,369			1,217,790			1,246,702			1,244,868			1,240,724			1,238,337
		1,239,259			1,218,356			1,250,164			1,247,650			1,240,725			1,238,516
		1,244,759			1,223,321		206:	1,213,818			1,218,538			1,243,422			1,239,219
		1,212,060			1,228,874			1,221,013			1,226,056			1,246,056			1,239,840
		1,225,624			1,229,243			1,224,518			1,237,775			1,246,643			1,240,877
		1,228,098			1,234,070			1,229,759			1,248,527			1,246,761			1,241,180
	9:	1,235,505			1,237,340			1,237,459			1,219,648			1,247,566			1,241,507
		1,216,789			1,241,166			1,238,280			1,221,560			1,247,649			1,241,510
		1,217,837			1,246,891			1,244,709			1,221,934			1,250,188			1,241,568
		1,221,038			1,248,151		209:	R. 14, 373			1,225,975			1,250,720			1,241,569
		1,236,220			1,220,080			1,210,638			1,226,956			1,215,401			1,242,357
		1,245,878			1,238,838			1,210,639			1,234,976			1,214,528			1,242,910
		1,246,657			1,250,263			1,211,507			1,217,302			1,215,094			1,243,571
	12:	1,214,971			1,241,245			1,214,014			1,238,292			1,215,095			1,244,459
		1,220,162			1,241,651			1,223,096			1,248,511			1,212,282			1,244,491
		1,223,418			1,242,788			1,223,704			1,228,849			1,216,242			1,244,492
		1,227,751			1,213,955			1,224,244			1,216,236						

Classification of patents—Continued.

172—	179: 1, 248, 484 1, 249, 746 1, 249, 747 1, 249, 954 1, 250, 906 1, 251, 286 233: 1, 239, 979 237: 1, 211, 050 1, 213, 611 1, 242, 632 1, 242, 714 238: 1, 224, 255 1, 232, 925 1, 233, 346 1, 233, 411 1, 233, 952 1, 236, 716 1, 242, 936 1, 242, 937 1, 243, 307 1, 243, 430 1, 246, 617 1, 248, 531 1, 249, 782 1, 249, 783 239: 1, 211, 418 1, 212, 554 1, 215, 453 1, 217, 529 1, 219, 569 1, 219, 630 1, 222, 547 1, 223, 095 1, 227, 003 1, 227, 185 1, 228, 963 1, 230, 160 1, 230, 175 1, 232, 372 1, 232, 799 1, 233, 854 1, 233, 877 1, 233, 899 1, 234, 824 1, 235, 162 1, 235, 163 1, 236, 725 1, 238, 060 1, 240, 726 1, 240, 973 1, 241, 115 1, 241, 990 1, 245, 464 1, 245, 532 1, 246, 057 1, 246, 205 1, 246, 206 1, 246, 207 1, 246, 426 1, 246, 690 1, 246, 691 1, 246, 717 1, 246, 718 1, 246, 719 1, 248, 870 1, 250, 708 240: R. 14, 296 1, 232, 050 1, 232, 150 1, 232, 711 1, 236, 005 1, 238, 082 1, 240, 351 1, 240, 623 245: 1, 234, 584 1, 240, 710 1, 248, 568 274: 1, 215, 184 1, 222, 539 1, 227, 815 1, 231, 666 1, 232, 033 1, 232, 863 1, 235, 583 1, 235, 584 1, 235, 585 1, 241, 523 1, 244, 983 1, 245, 762 1, 245, 993 1, 250, 211 275: 1, 217, 877 1, 237, 248 276: 1, 213, 617 1, 214, 980 1, 216, 002 1, 219, 952 1, 220, 763 1, 224, 166 1, 224, 167 1, 227, 571 1, 231, 953 1, 233, 353	172—	276: 1, 233, 354 1, 238, 290 1, 244, 510 1, 244, 511 1, 246, 423 277: 1, 214, 883 1, 248, 474 1, 234, 455 1, 234, 466 1, 240, 711 279: 1, 213, 618 1, 217, 187 1, 232, 209 1, 239, 701 1, 238, 747 1, 228, 449 1, 233, 900 1, 236, 309 1, 237, 681 1, 246, 602 1, 241, 517 1, 215, 820 1, 222, 440 281: 1, 228, 364 282: 1, 233, 569 284: 1, 241, 333 285: R. 14, 370 1, 222, 465 288: R. 14, 394 1, 213, 815 1, 214, 355 1, 214, 663 1, 226, 546 1, 226, 896 1, 227, 810 1, 231, 557 1, 243, 665 1, 245, 194 1, 246, 687 1, 249, 526 1, 250, 641 289: 1, 225, 636 1, 231, 714 1, 237, 226 1, 241, 566 1, 241, 567 1, 222, 852 291: 1, 250, 231 1, 221, 095 1, 234, 170 476: 1, 216, 253 13: 1, 211, 153 1, 220, 679 1, 220, 886 1, 232, 624 1, 232, 625 1, 236, 523 1, 236, 523 28: R. 14, 312 1, 210, 470 1, 212, 707 1, 213, 011 1, 213, 211 1, 218, 480 1, 219, 450 1, 223, 881 1, 224, 970 1, 227, 111 1, 244, 473 31: 1, 214, 652 1, 216, 170 1, 239, 477 1, 239, 774 1, 243, 118 1, 246, 171 1, 251, 037 36: 1, 233, 339 244: 1, 249, 053 251: 1, 210, 687 259: 1, 210, 764 1, 212, 821 1, 213, 393 1, 219, 003 1, 221, 713 1, 228, 858 1, 228, 859 1, 233, 197 1, 234, 840 1, 241, 627 1, 241, 737 1, 241, 737 1, 243, 716 1, 245, 628 1, 245, 916 1, 248, 528 262: 1, 216, 545 263: 1, 225, 366 1, 236, 551 1, 241, 158 1, 241, 809 264: 1, 214, 830 1, 216, 337	173—	264: 1, 223, 434 1, 228, 670 1, 231, 568 1, 239, 410 1, 247, 392 266: 1, 233, 807 267: 1, 215, 365 268: 1, 218, 216 1, 227, 211 1, 237, 401 1, 246, 964 269: 1, 211, 128 1, 213, 632 1, 214, 470 1, 217, 135 1, 218, 571 1, 220, 715 1, 237, 718 1, 240, 186 1, 247, 656 273: 1, 210, 445 1, 219, 228 1, 219, 632 1, 221, 524 1, 223, 791 1, 231, 804 1, 241, 898 1, 244, 339 1, 249, 430 1, 250, 175 1, 250, 467 277: 1, 213, 738 1, 220, 983 278: 1, 214, 005 1, 215, 933 1, 230, 544 1, 238, 462 283: 1, 225, 781 303: 1, 218, 475 1, 220, 326 1, 223, 444 304: 1, 246, 970 311: 1, 215, 430 1, 225, 738 1, 230, 610 1, 236, 188 1, 242, 616 313: 1, 213, 002 1, 215, 245 1, 220, 333 1, 221, 893 1, 221, 894 1, 229, 272 1, 233, 475 1, 234, 583 1, 235, 106 1, 235, 592 1, 236, 668 1, 241, 929 1, 247, 531 1, 249, 820 314: R. 14, 256 1, 212, 547 1, 214, 956 1, 215, 883 1, 217, 315 1, 218, 181 1, 224, 259 1, 228, 349 1, 232, 354 1, 236, 886 1, 240, 330 1, 240, 844 316: 1, 217, 032 1, 230, 521 1, 251, 416 317: 1, 234, 313 318: 1, 215, 549 1, 217, 890 1, 223, 909 1, 228, 711 1, 232, 278 1, 241, 528 1, 242, 907 1, 245, 940 1, 246, 461 1, 247, 343 1, 248, 498 1, 248, 559 1, 2
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175— 214: 1,224,150	175— 276: 1,222,225	175— 282: 1,229,703	175— 293: 1,234,069	175— 345: 1,218,035	176— 7: 1,241,512
254: 1,232,470	1,224,172	1,229,750	1,234,412	1,226,775	7.4: 1,233,883
264: 1,216,211	1,242,333	1,229,768	1,234,749	1,236,177	9: 1,231,494
1,243,262	277: R. 14, 416	1,230,372	1,239,275	346: 1,224,343	16: 1,213,975
1,212,438	1,215,701	1,231,732	1,247,468	347: 1,224,570	1,221,418
1,229,075	1,222,952	1,232,647	1,247,690	349: 1,211,768	1,231,335
1,235,999	1,225,890	1,232,650	1,248,203	1,220,971	1,231,416
1,250,140	1,226,808	1,233,097	1,211,000	1,223,143	1,232,741
267: 1,221,499	1,233,192	1,233,098	1,213,835	1,230,728	1,234,060
1,221,609	1,239,322	1,233,133	1,214,129	1,230,905	1,239,413
1,230,955	1,243,649	1,233,584	1,214,718	352: 1,218,067	1,240,700
1,231,867	1,243,850	1,234,211	1,216,867	1,248,461	1,244,475
1,235,859	1,243,851	1,234,542	1,220,721	354: 1,215,071	1,246,118
1,241,533	1,247,555	1,235,397	1,222,536	1,222,537	1,249,978
268: 1,211,967	1,226,780	1,235,615	1,222,692	1,223,428	1,250,815
1,214,101	1,227,256	1,235,693	1,223,437	1,226,067	24: 1,217,720
1,215,422	1,233,720	1,236,566	1,223,499	1,227,766	26: 1,215,118
1,215,423	1,237,005	1,236,567	1,224,143	1,228,332	28: 1,214,816
1,223,530	1,240,157	1,237,657	1,224,332	1,230,708	32: 1,218,059
1,227,367	1,245,592	1,237,807	1,224,370	1,231,587	38: 1,237,611
1,227,416	280: 1,224,365	1,238,261	1,224,400	1,231,592	39: 1,215,894
1,227,434	281: R. 14, 310	1,238,336	1,224,408	1,234,875	1,223,958
1,232,106	1,210,581	1,238,845	1,228,852	1,240,772	1,234,691
1,233,062	1,210,705	1,239,062	1,229,789	1,244,483	40: 1,217,775
1,241,580	1,211,440	1,239,199	1,230,680	1,246,555	1,222,119
1,244,225	1,214,752	1,239,790	1,235,033	1,246,470	1,247,068
270: 1,212,146	1,214,779	1,239,833	1,236,595	355: 1,223,177	42: 1,214,613
1,212,937	1,215,590	1,240,309	1,238,251	1,228,666	1,224,701
1,216,570	1,217,688	1,240,458	1,239,777	1,248,663	1,244,121
1,217,469	1,218,552	1,241,534	1,239,795	1,250,290	1,248,497
1,220,826	1,220,813	1,242,013	1,239,841	1,224,149	43: 1,221,647
1,227,469	1,222,714	1,242,115	1,241,571	1,224,184	50: 1,226,069
1,230,063	1,225,388	1,242,267	1,246,038	1,224,210	1,235,699
1,237,240	1,227,341	1,244,660	1,247,127	1,224,225	1,227,210
1,240,726	1,227,568	1,244,671	1,251,312	1,227,314	1,228,442
1,250,743	1,228,058	1,246,303	296: 1,211,752	1,227,415	1,228,443
1,250,806	1,229,014	1,246,380	298: 1,214,433	1,242,649	1,235,272
271: 1,231,048	1,229,294	1,246,422	1,226,031	1,246,973	1,236,206
1,248,084	1,229,719	1,247,753	1,234,471	1,216,379	1,241,270
273: R. 14, 239	1,230,934	1,247,842	1,248,415	357: 1,219,300	52: 1,215,147
1,211,778	1,231,271	1,248,272	1,227,904	1,223,947	1,215,772
1,212,603	1,231,412	1,248,384	1,226,947	1,224,246	1,220,063
1,213,777	1,234,999	1,248,572	1,230,946	1,231,875	1,231,549
1,214,903	1,235,684	1,249,027	1,243,922	1,235,051	1,234,302
1,215,491	1,238,667	1,249,245	1,212,567	1,236,796	1,241,515
1,215,722	1,238,719	1,249,396	1,214,074	1,241,549	55: 1,218,509
1,215,999	1,239,114	1,249,872	1,215,621	1,242,497	1,229,950
1,216,429	1,241,157	1,250,502	1,217,440	1,227,404	59: 1,235,271
1,217,289	1,241,592	1,250,754	1,217,513	1,231,648	63: 1,229,876
1,217,741	1,243,166	1,251,159	1,220,546	1,232,834	64: 1,237,033
1,218,106	1,246,722	283: 1,210,765	1,224,147	1,242,962	67: 1,239,720
1,218,221	1,246,085	1,219,002	1,225,901	1,249,800	72: 1,239,759
1,218,553	1,246,363	1,222,439	1,231,561	1,211,380	76: 1,226,451
1,219,850	1,248,344	1,240,314	1,232,456	1,212,774	88: 1,232,638
1,220,152	1,248,508	1,244,110	1,250,210	1,214,106	109: 1,216,404
1,220,384	1,249,673	1,245,103	1,213,702	1,218,952	118: 1,238,277
1,221,275	1,250,674	1,251,120	1,214,081	1,224,689	119: 1,211,016
1,222,937	1,251,120	1,222,214	1,222,633	1,235,607	1,244,048
1,223,378	1,251,294	1,224,119	1,224,126	1,235,741	121: 1,212,610
1,223,623	282: R. 14, 372	1,240,459	1,245,701	1,237,584	1,225,194
1,224,118	1,212,125	1,248,575	1,218,850	1,239,896	1,246,441
1,224,017	1,212,161	1,249,987	1,231,883	1,241,505	125: 1,247,027
1,226,151	1,212,632	1,250,985	311: 1,223,114	1,226,925	132: 1,226,925
1,227,385	1,212,867	1,210,658	315: 1,220,141	1,244,488	134: 1,235,996
1,227,752	1,213,960	1,213,933	318: 1,250,146	1,250,835	136: 1,221,039
1,227,753	1,214,077	1,216,386	1,250,286	1,251,209	1,239,810
1,228,354	1,214,083	1,227,605	1,243,221	1,251,377	1,240,628
1,228,408	1,215,492	1,229,635	1,248,942	1,212,874	1,244,358
1,228,924	1,215,800	1,236,133	1,220,433	1,216,413	1,244,359
1,231,036	1,215,807	1,246,282	1,228,778	1,221,311	1,214,721
1,231,200	1,216,370	1,248,787	1,236,375	1,223,000	1,216,446
1,231,304	1,216,513	1,249,922	1,241,139	1,223,473	1,216,743
1,234,544	1,216,559	1,250,597	324: 1,217,982	1,228,405	1,216,828
1,235,178	1,217,628	1,250,324	1,227,433	1,229,689	1,216,829
1,235,555	1,218,059	1,250,501	1,243,261	1,233,137	1,218,099
1,236,001	1,218,062	1,251,114	1,232,044	1,234,099	1,218,934
1,236,448	1,218,123	1,218,037	1,239,357	1,234,439	1,220,280
1,237,211	1,219,470	1,222,947	1,240,471	1,235,712	1,221,377
1,239,876	1,219,531	1,249,117	1,246,625	1,235,746	1,222,107
1,240,795	1,220,174	1,250,302	1,230,429	1,238,443	1,222,159
1,243,283	1,220,569	1,238,872	327: 1,228,097	1,239,588	1,227,021
1,243,719	1,220,634	1,243,261	328: 1,246,430	1,242,549	1,227,084
1,244,589	1,220,779	1,243,261	330: 1,235,978	1,242,601	1,228,223
1,245,151	1,220,842	1,244,581	335: 1,231,659	1,243,807	1,228,226
1,245,187	1,221,325	1,245,881	336: 1,215,508	1,244,614	1,231,298
1,245,863	1,221,611	1,246,379	1,222,431	1,245,356	1,231,835
1,246,105	1,222,187	1,247,114	1,222,900	1,251,126	1,232,185
1,246,711	1,224,186	1,248,379	1,226,617	1,221,961	1,233,651
1,246,792	1,224,337	1,249,364	338: 1,225,687	1,222,803	1,234,337
1,247,041	1,224,517	1,250,324	1,226,635	1,234,440	1,235,234
1,248,090	1,224,880	1,250,597	1,230,857	1,239,249	1,235,710
1,248,091	1,225,433	1,251,114	1,241,554	1,247,759	1,237,717
274: 1,220,608	1,225,580	1,218,890	1,243,628	366: 1,247,357	1,237,105
275: 1,214,679	1,226,114	1,222,590	1,248,176	2: 1,210,620	1,239,850
1,224,313	1,227,472	1,223,355	1,249,236	1,237,210	1,240,156
1,230,172	1,228,028	1,224,116	1,234,763	7: 1,230,869	1,242,038
1,231,221	1,228,581	1,226,404	1,249,157	1,237,653	1,243,047
1,232,458	1,228,625	1,227,195			
1,238,728	1,228,741	1,228,052			
1,245,014	1,229,211	1,230,480			
276: 1,221,232	1,229,489				

Classification of patents—Continued.

177—	7: 1,243,772	177—	337: 1,236,707	177—	367: 1,221,032	179—	1: 1,238,705	179—	18: 1,231,013	179—	27: 1,240,257
	1,244,013		1,238,348		1,225,937		2: 1,218,563		1,231,085		1,242,010
	1,245,517		1,238,975		1,236,434		3: 1,211,281		1,231,086		1,242,164
	1,250,250		1,239,141		373: 1,224,072		5: R. 14,288		1,232,279		1,242,374
	1,250,589		1,241,151		377: 1,228,000			1,217,241		1,232,338	1,244,488
31.7: R. 14,367			1,241,965		1,239,887			1,218,682		1,232,943	1,244,571
37: 1,234,504			1,242,516		378: 1,218,796			1,225,934		1,233,819	1,244,998
288: 1,215,042			1,243,279		1,224,359			1,225,935		1,233,831	1,244,999
	1,238,323		1,245,048		379: 1,217,069			1,225,936		1,233,870	1,245,341
	1,238,848		1,249,229					1,225,943		1,233,891	1,245,402
311: 1,211,279		338: 1,224,632			1,217,844			1,226,157		1,234,187	1,245,438
	1,211,330		1,236,976		1,218,230			1,228,007		1,234,246	1,245,478
	1,213,282		1,246,210		1,214,515			1,229,034		1,234,610	1,245,490
	1,214,624		1,213,062		1,234,650			1,233,037		1,234,623	1,245,748
	1,215,037		1,220,484		381: 1,230,030			1,240,811		1,235,302	1,246,125
	1,215,169		1,226,826		382: 1,215,909			1,222,895		1,236,859	1,247,353
	1,215,845		1,231,537		1,224,099			1,224,185		1,237,203	1,247,371
	1,216,435		1,231,847		1,240,049			1,227,523		1,237,214	1,248,515
	1,216,481		1,232,745		383: 1,235,242			1,242,655		1,237,433	1,248,868
	1,219,345		1,233,046	177A—353: 1,245,417				1,222,077		1,237,531	1,249,582
	1,220,342		1,234,249		1,249,162			1,241,998		1,237,998	1,249,583
	1,223,771		1,234,664		364: 1,250,769			1,244,816		1,238,039	1,251,350
	1,224,905		1,236,625	178—	1: 1,246,551			1,246,126		1,238,129	1,215,814
	1,225,429		1,240,075		2: 1,220,066			1,221,135		1,238,130	1,215,859
	1,226,004		1,245,853		1,232,224			1,214,969		1,238,193	1,215,860
	1,229,035		1,250,661		1,238,008			1,217,426		1,239,207	1,218,048
	1,229,931	341: 1,232,499			1,251,320			1,225,603		1,240,418	1,226,966
	1,231,008		1,242,756		13: 1,221,780			1,229,347		1,242,384	1,238,106
	1,231,179	342: 1,221,801			17.5: 1,224,956			1,251,219		1,243,747	1,238,162
	1,231,331	343: 1,244,544			22: 1,244,477			1,210,463		1,243,761	1,238,163
	1,233,199		1,250,804		23: 1,218,165			1,213,837		1,245,422	1,238,164
	1,236,099	346: 1,220,110			1,224,640			1,214,466		1,245,436	1,238,194
	1,239,934		1,225,865		1,229,201			1,215,331		1,245,650	1,245,481
	1,240,176		1,232,055		1,229,202			1,221,191		1,246,088	1,246,545
	1,243,608		1,236,543		27: 1,215,604			1,232,891		1,246,176	1,247,399
	1,245,221		1,238,948		1,223,463			1,235,301		1,246,619	1,249,154
	1,246,656		1,251,283		30: 1,249,773			1,230,835		1,246,881	1,249,155
	1,247,689	347: 1,215,665			32: 1,235,748			1,231,319		1,246,882	1,214,638
314: 1,217,175		1,217,715			34: 1,232,045			1,243,721		1,247,197	1,228,634
	1,220,627	1,223,117			38: 1,220,844			1,222,311		1,247,395	31: 1,221,131
	1,223,060	348: 1,220,109			44: 1,210,628			1,250,854	8: 1,222,311	1,247,669	32: 1,217,084
	1,223,583		1,229,463		1,210,684			1,221,430	9: 1,214,694	1,247,770	35: 1,224,425
	1,223,789		1,232,888		1,240,213			1,221,866		1,247,976	1,246,546
	1,226,009		1,237,320		45: 1,219,760			1,236,858		1,248,466	1,247,857
	1,230,247		1,240,770		46: 1,212,755			1,239,587		1,248,479	1,249,036
	1,230,607		1,241,127		1,215,702			1,243,314		1,248,834	36: 1,210,499
	1,236,526	349: 1,218,016			1,221,238			1,243,749		1,249,145	1,236,613
	1,238,363		1,222,091		1,231,516			1,246,362		1,250,116	37: 1,232,250
	1,239,602		1,222,092		1,233,767			1,249,032		1,250,579	40: 1,222,879
	1,241,934		1,231,821		1,233,768			1,250,583		1,251,023	41: 1,235,705
	1,246,239		1,233,005		1,233,769			1,218,182	10: 1,219,700	1,242,008	
	1,250,743		1,243,308		1,238,153			1,221,865		1,224,161	42: 1,211,044
316: 1,218,193		350: 1,215,628			1,218,015			1,246,201	13: 1,246,201	1,239,011	43: 1,238,141
	1,241,888		1,222,083		1,222,093			1,222,810	15: 1,222,810	1,250,885	44: 1,246,547
326: 1,219,949			1,222,093		1,227,623			1,233,766		1,223,506	49: 1,210,359
	1,249,717		1,227,623		1,232,727			1,251,363	23: 1,223,506	1,211,689	50: 1,214,258
327: 1,220,981			1,232,727		1,234,514			1,218,413	24: 1,223,265	1,212,728	51: 1,217,472
	1,234,751		1,234,514		1,235,818			1,219,110	27: 1,210,604	1,214,512	52: 1,212,495
	1,236,830		1,235,818		1,236,592			1,219,561		1,214,686	55: 1,247,831
	1,237,486		1,236,592		1,238,027			1,220,228		1,215,911	58: 1,210,602
	1,240,615		1,242,861		1,245,467			1,220,228		1,216,534	1,210,653
	1,251,165		1,245,467		1,213,714			1,220,228		1,216,844	1,235,688
329: 1,211,534		351: 1,213,723			1,215,425			1,224,458		1,217,472	1,238,748
	1,212,363		1,215,425		1,215,815			1,249,146		1,217,477	1,245,900
	1,215,289		1,215,815		1,221,963			1,251,208		1,218,805	1,245,900
	1,228,095		1,221,963		1,227,285			1,218,870		1,218,805	1,247,831
	1,238,430		1,227,285		1,227,286			1,236,576		1,219,656	1,210,602
	1,238,725		1,227,286		1,231,933			1,247,120		1,221,169	1,210,653
	1,243,266		1,231,933		1,231,964			1,249,083		1,221,299	1,217,255
	1,243,824		1,231,964		1,233,522			1,219,522		1,221,879	1,222,043
	1,245,259		1,233,522		1,243,676			1,221,870		1,223,349	1,228,537
	1,222,078		1,247,317		1,247,317			1,229,796		1,223,369	1,230,564
330: 1,230,810			1,239,320		1,210,912			1,221,814		1,224,833	1,231,800
333: 1,217,180		352: 1,210,912			1,215,917			1,233,519		1,226,951	1,233,196
335: 1,222,343			1,215,917		1,215,918			1,245,507		1,226,951	1,235,848
336: 1,215,795			1,215,918		1,222,853			1,216,641		1,227,474	1,242,338
	1,215,979		1,222,853		1,226,184			1,217,121		1,229,165	1,242,338
	1,217,558		1,223,527		1,212,958			1,217,160		1,230,170	1,211,435
	1,219,775		1,230,434		1,219,143			1,217,168		1,230,639	1,219,666
	1,221,527		1,231,033		1,219,189			1,219,587		1,230,996	1,230,117
	1,222,854		1,219,189		1,219,723			1,221,124		1,231,922	1,239,607
	1,223,527		1,222,333		1,222,333			1,221,158		1,232,087	1,248,979
	1,230,434		1,224,386		1,224,386			1,221,166		1,232,345	1,212,492
337: 1,210,966			1,224,386		1,225,437			1,221,167		1,232,496	1,212,494
	1,214,058		1,225,437		1,229,939			1,221,168		1,232,580	1,212,494
	1,215,155		1,244,332		1,244,332			1,221,262		1,232,944	1,215,378
	1,215,901		1,215,658		1,223,481			1,221,287		1,233,830	1,217,080
	1,216,025		1,223,481		1,242,470			1,221,773		1,233,837	1,221,182
	1,216,533		1,242,470		1,248,159			1,221,809		1,233,893	1,222,323
	1,210,820		1,248,159		1,238,937			1,221,908		1,234,020	1,222,342
	1,217,759		1,215,615		1,212,091			1,214,982		1,223,304	1,222,364
	1,219,230		1,233,679		1,212,202			1,215,925		1,223,349	1,227,010
	1,223,628		1,244,587		1,212,342			1,216,305		1,224,140	1,227,153
	1,224,657		1,247,676		1,213,176			1,216,365		1,224,833	1,230,566
	1,226,102		1,248,749		1,213,610			1,217,121		1,226,951	1,230,578
	1,227,975		1,236,548		1,216,595			1,217,160		1,227,474	1,230,582
	1,228,187		1,239,548		1,217,548			1,217,168		1,228,582	1,231,024
	1,228,263		1,220,036		1,221,621			1,219,587		1,229,165	
	1,231,361							1,221,158		1,230,170	
	1,236,441							1,221,166		1,230,639	
	1,236,541							1,221,167		1,230,996	
	1,236,647							1,221,168		1,231,922	
								1,221,169		1,232,087	
								1,221,170		1,232,345	
								1,221,171		1,232,496	
								1,221,172		1,232,580	

179—	73: 1,232,183 1,232,497 1,238,350 1,241,923 1,248,566 78: 1,228,468 1,246,686 80: 1,227,113 81: 1,221,235 1,232,884 1,234,651 1,239,508 1,245,929 82: 1,216,887 1,242,877 85: 1,248,782 86: 1,249,570 89: 1,215,487 1,244,081 90: 1,210,505 1,210,603 1,210,917 1,211,607 1,216,323 1,221,308 1,226,953 1,232,581 1,237,503 1,238,076 1,238,107 1,238,131 91: 1,231,629 93: 1,227,936 99: 1,250,921 100: 1,218,998 1,230,884 1,240,974 1,247,825 100.1: 1,218,799 1,222,348 1,229,749 1,242,372 1,246,895 1,249,409 100.2: 1,213,150 1,218,324 1,237,496 101: 1,243,048 1,245,575 1,246,065 106: 1,234,649 107: 1,219,411 1,219,671 1,227,030 108: 1,229,619 1,230,676 1,243,755 1,248,158 109: 1,228,639 113: 1,221,408 114: 1,225,203 1,232,515 115: 1,220,669 117: 1,220,920 1,238,439 119: 1,214,610 122: 1,220,501 1,235,510 1,244,150 123: 1,216,946 1,236,103 1,236,649 124: 1,226,886 1,229,634 126: 1,234,613 1,245,218 127: 1,231,095 1,246,429 128: 1,230,956 146: 1,246,317 147: 1,210,424 1,212,785 1,215,002 1,216,480 1,216,776 1,219,620 1,221,678 1,221,784 1,225,136 1,247,672 148: 1,226,166 150: 1,217,445 1,222,986 156: 1,215,060 1,235,851 1,242,672 157: 1,250,716 159: 1,247,796 161: 1,226,389 164: 1,216,111 169: 1,249,386 170: 1,215,038 1,215,348	179—	170: 1,216,136 1,219,727 1,227,114 1,231,764 1,236,128 171: R. 14,380 1,213,298 1,218,650 1,223,496 1,232,514 1,234,489 1,237,933 1,239,702 1,250,192 175: 1,220,607 1,232,498 1,236,491 1,236,492 1,237,476 1,237,477 1,245,321 1,246,548 177: 1,215,566 1,230,410 179: 1,212,705 180: 1,222,790 1,230,280 1,230,281 1,235,204 181: 1,221,346 182: 1,223,645 1,249,962 183: 1,245,514 184: 1,214,459 185: 1,215,377 1,219,459 1,225,463 1,228,394 1,241,731 1,244,433 1,244,977 1,246,584 187: 1,224,922 1,225,672 1,240,659 1,242,022 1,246,594 1,249,849 188: 1,218,892 1,227,363 1,248,998 314: 1,238,823 1,219,411 1,247,530 1,251,033 3: 1,243,612 6: 1,242,963 1,247,571 1,250,739 9: 1,238,762 1,241,617 1,245,287 1,245,337 1,247,725 1,251,344 16: 1,243,414 1,243,864 17: 1,248,660 18: 1,249,760 25: 1,247,000 29: 1,238,702 30: 1,249,072 33: 1,247,752 41: 1,238,752 43: 1,244,512 1,245,153 1,248,224 44: 1,249,160 45: 1,251,345 49: 1,242,319 1,249,449 50: 1,246,116 53: 1,244,424 54: 1,246,157 64: 1,242,999 1,247,055 68: 1,247,572 70: 1,239,643 72: 1,247,727 73: 1,247,745 78: 1,246,372 86: 1,243,268 90: 1,243,962 1,246,604 1,217,585 1,237,179 1,242,331 1,225,796 1,236,969 11: 1,236,970 24: 1,245,217 27: 1,211,584 1,216,656 1,223,338	181—	27: 1,226,839 1,237,813 1,240,038 1,240,050 31: 1,215,500 1,236,476 1,242,222 1,251,355 32: 1,217,294 1,224,102 48: 1,234,160 114: 1,250,088 2: 1,215,189 1,218,912 1,221,734 10: 1,213,226 1,220,123 1,239,102 1,245,903 12: 1,211,210 1,217,763 1,224,181 1,233,856 1,243,245 1,245,558 1,245,703 13: 1,228,034 1,230,179 1,235,304 14: 1,211,283 1,222,296 1,238,878 15: 1,217,281 3: 1,244,517 4: 1,222,751 1,229,842 12: 1,243,472 22: 1,235,535 23: 1,223,331 24: 1,228,939 26: 1,223,082 28: 1,232,865 29: 1,223,215 30: 1,226,589 37: 1,212,815 1,216,787 1,219,756 1,220,641 1,233,408 1,233,409 43: 1,226,913 44: 1,215,974 1,228,561 45: 1,221,278 47: 1,235,998 51: 1,235,581 54: 1,212,596 1,214,249 1,224,033 57: 1,240,305 70: 1,212,450 72: 1,233,844 73: 1,223,662 76: 1,211,235 77: 1,227,340 1,232,464 79: 1,238,829 1,240,368 80: 1,233,246 84: 1,231,371 1,235,174 1,245,540 85: 1,239,456 86: 1,245,541 91: 1,215,890 1,215,935 1,236,805 93: 1,226,831 1,243,258 103: 1,228,237 1,230,784 1,237,130 1,239,730 106: 1,239,823 107: 1,240,081 109: 1,211,310 1,223,101 111: 1,248,054 112: 1,227,278 114: 1,221,505 115: 1,211,395 1,212,455 116: 1,212,199 117: 1,212,456 1,213,796 119: 1,215,300 120: 1,218,354 121: 1,214,725 1,245,247 184—	181—	1: 1,220,176 1,220,924 1,222,146 1,222,807 1,234,591 1,241,817 1,244,923 3: 1,211,424 1,213,676 1,222,341 1,226,927 1,229,822 1,239,719 5: 1,218,007 6: 1,211,406 1,214,850 1,220,810 1,222,681 1,225,840 1,227,451 1,228,558 1,230,460 1,230,461 1,230,470 1,230,841 1,231,424 1,237,029 1,237,084 1,241,332 1,246,745 1,247,276 1,247,321 1,250,036 8: 1,222,949 9: 1,218,507 11: 1,230,815 1,231,615 1,232,932 1,246,236 13: 1,213,875 1,215,650 1,224,694 1,230,658 1,237,432 1,238,233 1,241,103 1,241,589 18: 1,218,132 1,231,901 19: 1,227,845 22: 1,216,607 1,233,902 1,236,681 1,242,702 24: 1,230,651 1,230,936 1,245,764 25: 1,229,135 1,233,553 27: 1,212,602 1,212,682 1,213,747 1,225,911 1,230,513 1,231,294 1,233,935 28: 1,210,931 29: 1,228,335 1,228,336 33: 1,238,818 1,238,819 35: 1,243,309 36: 1,219,812 37: 1,212,714 1,212,715 1,223,175 1,224,338 1,224,919 1,246,469 38: 1,217,951 1,219,599 1,221,031 1,222,185 1,222,910 1,223,019 1,225,078 1,225,375 1,226,725 1,227,731 1,230,088 1,236,883 1,241,584 1,244,248 45: 1,211,419 1,213,677 1,222,851 1,234,307 1,234,635 1,236,337 1,243,252 47: 1,211,451 1,213,678	184—	48: 1,213,861 1,221,551 1,222,256 1,222,509 1,225,077 1,227,730 1,239,311 1,240,906 1,242,477 1,248,475 50: 1,251,197 54: 1,239,452 55: 1,226,844 1,244,173 56: 1,228,862 1,234,361 1,234,585 58: 1,211,431 1,211,432 1,219,137 61: 1,234,861 64: 1,241,174 68: 1,230,371 69: 1,214,146 1,221,795 1,227,130 1,227,131 1,229,012 76: 1,216,505 84: 1,228,861 88: 1,211,893 91: 1,246,215 1,251,167 92: 1,213,372 1,233,648 95: 1,222,909 96: 1,212,387 1,221,243 103: 1,237,621 104: 1,211,243 1,248,417 105: 1,217,846 4: 1,225,685 5: 1,212,302 11: 1,249,990 27: 1,231,431 29: 1,246,766 37: 1,212,782 1,212,788 1,221,072 1,223,102 1,228,975 1,229,974 1,231,078 1,242,119 1,246,401 1,248,352 38: 1,248,489 1,250,396 39: 1,219,340 1,230,195 40: 1,217,843 1,219,325 1,225,595 41: 1,220,692 1,241,206 1,242,997 44: 1,240,730 46: 1,212,786 1,212,787 1,212,789 72: 1,248,785 1: 1,215,536 9: 1,213,006 13: 1,210,984 14: 1,226,740 1,227,246 15: 1,215,234 1: 1,212,518 1,248,279 3: 1,223,943 4: 1,251,383 8: 1,238,417 1,240,935 1,249,243 9: 1,213,828 1,227,646 1,228,162 11: 1,236,648 12: 1,237,627 15: 1,216,546 16: 1,218,617 17: 1,218,711 1,231,075 20: 1,237,321 26: 1,230,547 27: 1,248,659 28: 1,237,261 29: 1,234,644 30: 1,219,044 31: 1,214,907 1,216,846	187—	31: 1,224,182 1,232,646 1,244,211 32: 1,219,061 36: 1,218,917 1,235,819 1,235,513 41: 1,215,524 1,244,733 47: 1,221,809 1,223,950 1,226,020 1,232,742 1,234,807 1,237,882 48: 1,246,894 49: R. 14,363 1,213,442 1,220,741 1,221,531 1,221,543 1,221,810 1,222,444 1,232,903 1,235,603 1,241,724 1,247,773 50: 1,221,885 1,233,798 51: 1,249,188 52: 1,210,680 1,212,298 1,216,476 1,225,606 1,228,201 54: 1,234,750 57: 1,236,980 1,245,946 58: 1,211,412 1,213,450 1,236,230 1,243,924 59: 1,229,019 1,249,566 60: 1,223,007 1,225,773 1,240,291 61: 1,217,586 1,223,157 1,232,438 1,234,424 1,234,938 62: 1,210,817 1,216,155 63: 1,234,090 1,243,339 71: 1,235,118 73: 1,215,409 82: 1,218,285 1,219,050 1,220,992 1,246,256 83: 1,219,918 1,235,414 84: 1,217,068 85: 1,238,346 86: 1,249,453 87: 1,221,754 88: 1,242,394 89: 1,225,780 90: 1,212,347 1,225,964 1,249,860 91: 1,212,195 1,225,962 97: 1,235,210 1,249,106 1,249,221 1: 1,210,713 1,213,363 1,217,580 1,219,253 1,219,581 1,219,606 1,221,079 1,224,238 1,225,395 1,228,498 1,229,325 1,230,277 1,232,475 1,238,375 1,239,391 1,244,804 1,249,558 1,250,400 1,250,111 2: 1,210,803 1,212,955 1,213,825 1,216,841 1,219,946
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Classification of patents—Continued.

188—	2: 1,222,108 1,223,267 1,230,098 1,247,121 3: 1,214,457 1,224,621 1,229,110 1,243,727 1,248,630 1,248,912 1,249,143 1,250,361 1,250,397 3(A): 1,227,758 4: 1,214,615 1,214,616 1,228,171 1,231,081 1,240,796 1,245,288 1,248,439 1,251,181 5: 1,217,272 6: 1,216,542 1,230,950 1,230,953 1,244,606 7: 1,218,479 1,219,605 1,228,499 1,228,500 1,231,082 1,239,585 1,244,805 1,251,137 8: 1,212,184 1,236,815 1,233,427 1,230,949 13: 1,212,559 1,212,560 1,212,684 1,212,686 1,212,687 1,215,481 1,219,055 1,220,503 1,221,682 1,224,211 1,224,611 1,225,080 1,226,612 1,226,887 1,232,204 1,239,172 1,239,345 1,243,778 1,245,108 1,245,156 1,245,772 1,245,773 1,245,774 1,245,775 1,245,776 1,245,777 1,245,778 1,245,779 1,245,780 1,245,781 1,245,782 1,245,783 1,245,784 1,245,785 1,245,786 1,245,787 1,245,788 1,245,789 1,245,790 1,245,791 1,245,792 1,245,793 1,245,795 1,245,797 1,245,798 1,245,799 1,245,800 1,247,100 1,249,009 14: 1,243,012 15: 1,212,828 1,212,829 1,214,614 1,215,895 1,217,130 1,221,926 1,230,951 1,230,952 1,231,214 1,241,581 1,241,582 1,248,737 22: 1,211,490 1,213,996	188—	22: 1,215,397 1,219,435 1,219,436 1,220,690 1,222,882 1,225,869 1,235,553 1,236,804 1,250,915 24: 1,210,708 1,214,341 1,218,720 1,223,582 1,223,973 1,225,965 1,230,002 1,232,142 1,232,143 1,232,144 1,232,145 1,236,346 1,240,638 1,240,819 1,241,147 1,241,395 1,241,440 1,241,441 1,249,320 1,249,492 27: 1,213,379 1,218,668 1,218,704 1,219,462 1,219,463 1,219,464 1,219,465 1,219,824 1,224,419 1,225,336 1,239,448 28: 1,214,419 1,213,420 1,227,376 1,229,281 1,230,749 1,231,691 1,236,773 1,250,513 1,250,514 1,250,515 31: 1,239,447 33: 1,218,402 34: 1,213,927 1,236,243 36: 1,228,497 1,238,643 37: 1,243,529 38: 1,246,257 1,246,831 1,249,142 39: 1,210,444 1,235,103 41: 1,240,324 1,248,480 43: 1,242,360 47: 1,218,466 1,219,748 1,222,935 1,226,533 1,250,133 48: 1,236,315 1,241,459 1,244,353 1,249,466 49: 1,213,779 1,227,940 1,227,941 1,227,942 1,227,944 1,227,946 1,227,947 1,227,948 1,227,949 1,227,950 1,227,951 1,227,952 1,227,953 1,227,954 1,227,955 1,227,956 1,227,957 1,227,960 1,227,961 50: 1,227,943 1,227,945 1,227,958 1,227,959 1,244,388 1,246,672 51: 1,231,284 1,235,286 52: 1,223,891 1,244,717	188—	52: 1,244,764 54: 1,215,949 57: 1,224,093 58: 1,242,603 60: 1,249,675 65: 1,243,373 1,245,824 70: 1,213,729 1,220,367 1,221,938 1,232,637 1,237,609 1,239,206 1,249,321 1,249,578 72: 1,218,395 74: 1,249,986 76: 1,217,620 1,222,347 81: 1,227,913 1,228,231 1,228,232 1,234,712 1,240,127 1,241,649 82: 1,210,582 1,214,673 1,214,874 1,224,476 1,224,503 1,224,867 1,225,583 1,226,545 1,227,282 1,227,581 1,228,683 1,229,229 1,231,754 1,231,756 1,231,757 1,237,479 1,238,867 1,239,444 1,239,445 1,239,446 1,231,691 1,236,773 1,250,513 1,250,514 1,250,515 2: 1,211,790 1,217,952 1,224,665 1,229,477 1,229,478 1,230,181 3: 1,210,717 1,217,424 1,220,240 1,242,935 1,243,873 1,247,511 1,249,218 11: 1,234,637 1,250,108 12: 1,211,966 1,221,415 1,250,167 14: 1,212,968 16: 1,213,242 19: 1,221,747 1,221,946 1,237,137 21: 1,247,117 22: 1,218,813 23: 1,213,228 1,224,927 1,226,602 1,245,373 1,250,064 23.1: 1,220,229 1,249,850 24: 1,211,160 28: 1,225,795 1,237,654 1,240,959 29: 1,250,617 31: 1,214,679 1,218,238 1,224,925 1,224,926 1,239,820 1,249,062 31.3: 1,237,097 31.4: 1,221,481 32: 1,244,119 33: 1,239,142 1,246,304 34: R. 14,250 1,212,700 1,214,017 1,218,665 1,219,208	189—	34: 1,221,941 1,225,232 1,230,586 1,231,289 1,231,728 1,232,463 1,236,142 1,241,281 1,241,635 1,242,892 1,244,870 35: 1,218,283 1,227,666 1,251,274 36: 1,212,720 1,213,374 1,213,417 1,213,498 1,213,541 1,214,985 1,215,763 1,218,172 1,219,123 1,225,727 1,226,182 1,226,222 1,227,264 1,228,120 1,232,447 1,232,905 1,237,836 1,241,137 1,242,202 1,242,242 1,242,427 1,248,294 1,248,448 37: 1,219,124 1,229,239 38: 1,221,205 43: 1,244,021 1,248,141 44: 1,215,352 1,227,419 1,229,482 45: 1,237,430 46: 1,211,725 1,223,897 1,226,743 1,229,145 1,230,567 1,231,069 1,234,669 1,237,431 1,240,634 1,241,243 1,242,067 1,242,283 1,243,829 1,245,018 1,247,287 52: 1,249,013 53: 1,210,953 1,227,066 1,249,814 58: 1,216,822 1,221,414 1,221,415 1,224,295 1,237,300 1,238,041 1,242,658 60: 1,234,873 1,244,215 63: 1,242,940 64: 1,221,612 65: 1,237,712 67: 1,241,285 69: 1,226,776 72: 1,211,913 1,211,914 1,211,915 1,224,626 1,226,035 1,244,825 1,247,637 73: 1,222,358 1,228,780 1,233,667 1,241,116 74: 1,233,642 75: 1,210,565 1,222,293 1,222,357 1,228,161 1,237,295 1,237,296 1,241,090 1,249,693 76: 1,240,193 1,242,815 1,218,928 77: 1,214,928 1,243,020	189—	78: 1,223,761 1,228,327 1,229,710 1,230,758 1,232,869 1,236,747 1,242,904 1,246,453 79: 1,213,537 85: 1,223,288 1,226,477 1,229,765 1,240,635 1,241,685 1,248,343 86: 1,250,594 1,250,654 1,250,551 89: 1,222,453 1,223,289 1,234,315 1,249,813 90: 1,240,210 1,241,472 91: 1,225,448 1,230,711 92: 1,232,266 1,244,133 1,245,176 1,249,200 1,250,350 314: 1,249,848 362: 1,245,197 3: 1,217,298 1,242,863 11: 1,211,829 1,223,161 1,239,023 12: 1,219,101 1,221,711 1,224,098 1,225,958 1,227,419 1,235,097 1,236,012 1,239,021 13: R. 14,346 1,215,991 1,216,385 1,223,886 1,225,001 1,243,366 1,244,647 1,244,898 14: 1,230,910 15: 1,212,139 17: 1,238,074 20: 1,210,698 41: 1,224,250 1,226,919 1,233,019 36: 1,220,258 1,240,223 1,243,785 37: 1,211,165 40: 1,217,647 45: 1,241,210 49: 1,214,876 1,224,540 1,232,526 54: 1,220,224 55: 1,223,855 1,241,890 57: 1,223,504 1,233,643 1,239,130 58: 1,223,503 12: 1,241,289 1,247,418 1,247,444 19: 1,245,954 28: 1,219,524 35: 1,223,220 37: 1,211,010 39: 1,235,763 1,239,464 1,240,067 1,244,720 1,249,359 40: 1,219,732 1,248,728 41: 1,229,705 1,250,952 42: 1,216,372 1,220,062 1,231,230 1,243,057 43: 1,214,099 1,219,098 1,220,523 1,222,132 1,240,263 1,242,048	191—	43: 1,245,937 44: 1,213,360 46: 1,232,864 49: 1,215,855 1,229,184 58: 1,211,006 59: 1,237,247 61: 1,218,555 1,225,926 1,228,206 1,247,947 62: 1,219,820 63: 1,240,358 64: 1,234,492 65: 1,221,762 1,222,479 1,224,216 1,238,148 1,241,601 68: 1,221,250 70: 1,222,740 74: 1,220,800 78: 1,236,905 1,240,814 80: 1,226,501 85: 1,219,769 89: 1,212,326 90: 1,220,323 1,221,249 93: 1,212,343 1,219,713 1,234,236 95: 1,249,729 165: 1,241,558 1: 1,211,747 1,222,897 1,227,151 1,228,702 1,230,128 1,237,561 1,239,864 1,240,343 1,250,298 3: 1,232,132 1,246,309 4: 1,241,129 1,250,687 5: 1,236,860 6: 1,212,966 1,226,268 1,227,136 1,238,157 1,238,158 1,241,631 1,245,315 1,247,075 7: 1,219,207 1,235,896 1,236,652 1,239,778 1,239,940 1,240,225 1,248,109 1,248,110 8: 1,212,267 1,215,779 1,217,624 1,221,127 1,223,746 1,224,473 1,228,411 1,231,341 1,235,940 1,237,849 1,240,741 1,247,564 1,250,438 9: 1,210,969 1,220,320 1,223,646 1,225,144 1,227,838 1,237,073 1,237,932 1,240,334 1,247,795 10: 1,217,569 1,233,561 1,241,057 1,245,718 11: 1,210,660 1,227,475 12: 1,215,513 1,217,258 1,226,036 1,235,561 14: 1,225,309 1,230,079 1,232,520 1,248,773
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Classification of patents—Continued.

192—	14: 1,249,704	193—	8: 1,215,183	193—	42: 1,250,778	194—	85: 1,250,774	196—	26: 1,214,204	197—	89: 1,245,916
18:	1,227,910		1,215,375		1,224,472		87: 1,236,827		1,215,732		90: 1,228,423
	1,229,694		1,219,898		1,229,979		88: 1,231,243		1,216,971		91: 1,214,715
	1,231,160		1,222,016		45: 1,219,737		1,237,919		1,221,698		1,215,307
	1,231,647		1,226,156		1,219,823		1,231,793		1,224,787		1,234,248
	1,232,571		1,227,899		1,222,603		1,235,247		1,225,569		1,243,955
	1,233,967		1,231,027		46: 1,224,136		1,240,187		1,229,098		97: 1,221,875
	1,234,776		1,232,051		1,225,813		1,247,664		1,238,700		98: 1,222,748
	1,236,264		1,233,529		1,231,147		1,247,665		1,234,862		100: 1,214,023
	1,237,631		1,236,300		1,251,397		1,248,422		1,235,523		1,216,998
	1,238,098		1,239,271		297: 1,232,119		1,222,224		1,240,792		1,241,201
	1,238,447		1,240,172		1: 1,222,917		1,241,984		1,241,979		103: 1,218,760
	1,245,412		1,244,024	194—	1: 1,227,403		1,217,616		1,246,671		104: 1,227,061
	1,249,201		1,246,167		1,229,212		1,219,768		1,248,225		105: 1,240,349
	1,249,660		1,246,762		1,237,138		1,245,391		1,249,278		106: 1,215,761
	1,249,736		1,247,423		1,243,511		1,236,870		1,211,721		1,232,836
	1,250,679		1,248,069		2: 1,213,548		99: 1,214,946		29: 1,223,659		109: 1,247,110
20:	1,211,661		1,248,389		1,217,103		101: 1,217,170		1,250,526		110: 1,215,586
	1,219,225		1,249,239		1,246,316		1,234,079	197—	1,221,429		112: 1,215,699
	1,219,698		1,250,824		1,251,447		1,212,953		1,216,611		113: 1,216,189
	1,226,769	10:	1,211,743		3: 1,222,169		1,225,808		1,221,307		1,225,369
	1,236,848		1,217,237		1,233,094		1,226,015		1,245,633		1,233,741
21:	1,222,512		1,221,080		6: 1,236,168		1,234,300		1,247,585		1,240,547
22:	1,222,512		1,227,128		9: 1,221,268		1,228,674		1,247,609		1,247,514
193—	1: 1,216,902		1,232,700		17: 1,216,138	195—	1: 1,228,917		2: 1,246,561		114: 1,214,570
	1,217,372		1,235,406		18: 1,220,440		1,234,255		3: 1,233,715		1,217,290
	1,218,908		1,236,032		19: 1,251,396		1,235,881		4: 1,239,466		1,218,118
	1,220,623		1,237,212		26: 1,219,860		1,238,577		5: 1,230,331		1,220,148
	1,224,475		1,238,895		35: 1,214,499		1,249,480		6: 1,240,891		1,220,283
	1,232,882		1,240,409		37: 1,210,520		1,228,074		1,244,946		1,221,126
	1,234,729		1,243,892		38: 1,220,102		1,228,074		6.2: 1,241,570		1,226,626
	1,235,157		1,243,893		39: 1,220,302		1,228,074		6.4: 1,221,049		1,227,519
	1,235,240		1,245,883		38: 1,220,302		1,228,074		1,240,903		1,241,101
	1,238,217		1,248,680		44: 1,236,876		1,226,898		6.7: 1,243,273		1,243,110
	1,224,188		1,248,851		47: 1,214,056		1,250,884		7: 1,232,246		1,219,540
	1,224,384	11:	1,215,958		48: 1,212,679		1,212,656		9: 1,221,085		1,246,638
	1,224,445		1,218,580		47: 1,212,679		1,221,058		17: 1,227,846		1,231,582
	1,226,252		1,234,495		1,233,357		1,228,916		19: 1,213,688		1,232,521
	1,226,253		1,239,819		54: 1,212,597		1,243,440		1,233,936		1,246,398
	1,226,910		1,240,295		1,239,375		1,213,381		20: 1,247,151		1,244,969
	1,226,932		1,249,130		1,242,551		1,214,518		22: 1,214,293		1,233,976
	1,226,997		1,239,101		55: 1,244,408		1,227,374		1,214,294		1,236,850
	1,227,182		1,248,610		57: 1,222,533		1,232,098		1,227,015		1,211,653
	1,227,879		1,248,610		59: 1,218,728		1,235,882		1,227,213		1,217,436
	1,241,387		1,248,610		1,249,974	196—	1,234,124		1,242,167		1,225,331
	1,241,525		1,250,073		1,250,256		1,240,099		1,247,348		1,226,643
	1,242,738		1,250,444		1,249,444		1,249,444		1,244,860		1,229,521
	1,245,730		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,250,073		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,250,256		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
2:	1,211,294		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,212,617		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,215,547		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,217,533		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,219,899		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,220,456		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,220,457		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,222,598		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,236,840		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,238,692		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,242,945		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,244,546		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,250,125		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
3:	1,213,177		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,213,971		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,222,286		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,228,205		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,230,700		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,232,301		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,242,249		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,245,948		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,247,388		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
4:	1,212,011		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,212,651		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,213,077		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,219,067		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,225,586		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,226,730		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,227,072		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,231,495		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,232,229		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,236,391		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,241,706		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,242,825		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,244,199		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,244,258		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,245,728		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,245,623		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,212,624		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
5:	1,245,992		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,211,224		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
6:	1,212,396		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,220,703		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,222,277		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,234,764		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,237,299		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,239,490		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,245,580		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
7:	1,247,365		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,212,076		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
8:	1,213,308		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,213,604		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274
	1,214,427		1,250,444		1,250,800		1,249,444		1,244,860		1,234,274

Classification of patents—Continued.

197—	142: 1, 217, 638 1, 220, 467 1, 221, 236 1, 227, 262	199—	28: 1, 229, 321 31: 1, 247, 568 33: 1, 214, 354 1, 246, 754 34: 1, 222, 018 1, 234, 175 1, 249, 477 39: 1, 221, 360 1, 225, 564 1, 225, 633 1, 226, 205 1, 245, 055 40: 1, 222, 019 41: 1, 221, 819 45: 1, 220, 093 1, 220, 094 1, 235, 563 47: 1, 218, 803 1, 220, 055 1, 226, 007 1, 231, 861 1, 245, 582 48: 1, 220, 798 55: 1, 225, 632 57: 1, 225, 705 1, 225, 706 1, 248, 906 58: 1, 243, 527 60: 1, 250, 419 62: 1, 238, 703 64: 1, 221, 868 65: 1, 225, 093 1, 226, 499 1, 231, 944 66: 1, 218, 680 1, 226, 556 1, 226, 557 1, 231, 407 1, 231, 943 1, 236, 851 76: 1, 220, 057 81: 1, 216, 892 90: 1, 240, 168 93: 1, 219, 956 95: 1, 237, 086	200—	25: 1, 226, 130 1, 228, 484 26: 1, 221, 818 1, 210, 709 27: 1, 210, 738 1, 212, 709 1, 212, 836 1, 213, 709 1, 213, 799 1, 214, 540 1, 215, 242 1, 215, 272 1, 216, 258 1, 216, 553 1, 217, 707 1, 218, 299 1, 218, 401 1, 218, 935 1, 220, 493 1, 223, 866 1, 224, 222 1, 227, 270 1, 230, 957 1, 231, 169 1, 231, 762 1, 232, 289 1, 233, 588 1, 236, 485 1, 238, 967 1, 239, 054 1, 239, 236 1, 240, 147 1, 240, 896 1, 243, 482 1, 245, 370 1, 248, 469 1, 249, 068 1, 250, 402 28: 1, 211, 448 1, 230, 787 1, 234, 847 1, 237, 993 1, 238, 532 1, 242, 349 1, 246, 471 1, 248, 741 29: 1, 228, 193 30: 1, 219, 957 1, 249, 992 31: 1, 212, 260 1, 213, 798 1, 215, 639 1, 217, 994 1, 218, 167 1, 219, 814 1, 219, 950 1, 225, 758 1, 228, 195 1, 230, 089 1, 232, 453 1, 233, 746 1, 234, 535 1, 238, 776 1, 242, 575 1, 245, 753 1, 250, 209 32: 1, 211, 116 1, 211, 117 1, 213, 654 1, 214, 323 1, 219, 679 1, 221, 486 1, 227, 760 1, 248, 894 1, 249, 842 1, 251, 366 33: 1, 220, 646 1, 232, 386 1, 235, 028 1, 238, 813 1, 239, 140 1, 239, 383 1, 239, 450 1, 239, 830 1, 240, 062 1, 242, 178 1, 242, 312 34: 1, 216, 678 1, 217, 701 1, 217, 882 1, 219, 204 1, 220, 954 1, 222, 183 1, 222, 189 1, 224, 415 1, 224, 741 1, 229, 785 1, 234, 354 1, 237, 133 1, 244, 962 1, 246, 757	200—	35: 1, 213, 642 1, 214, 011 1, 214, 208 1, 217, 036 1, 221, 379 1, 229, 097 1, 229, 473 1, 234, 063 1, 236, 248 1, 242, 552 1, 242, 951 1, 246, 433 7: 1, 216, 007 1, 211, 301 9: 1, 211, 502 1, 211, 503 1, 212, 865 1, 212, 866 1, 213, 988 2: 1, 227, 148 3: 1, 227, 060 1, 240, 494 5: 1, 228, 942 1, 229, 225 1, 235, 740 1, 236, 727 8: 1, 224, 424 1, 248, 883 9: 1, 234, 517 1, 227, 518 1, 242, 261 1, 243, 776 203—	204—	9: 1, 239, 822 1, 246, 099 1, 246, 628 11: 1, 210, 663 1, 214, 271 1, 215, 856 1, 218, 802 1, 233, 906 1, 236, 724 1, 239, 906 1, 241, 867 1, 242, 695 1, 243, 098 1, 246, 083 15: 1, 224, 458 1, 231, 829 1, 231, 967 1, 232, 080 1, 233, 363 1, 232, 873 1, 233, 580 1, 243, 976 1, 247, 179 1, 251, 302 18: 1, 224, 057 19: 1, 218, 177 1, 245, 383 20: 1, 217, 432 21: 1, 214, 770 1, 214, 808 1, 249, 821 24: 1, 235, 202 1, 244, 012 1, 249, 597 25: 1, 217, 365 1, 217, 421 1, 217, 643 1, 219, 333 1, 222, 637 1, 247, 320 27: 1, 222, 861 1, 229, 150 29: 1, 213, 182 1, 213, 467 1, 215, 990 1, 236, 884 1, 236, 885 1, 239, 969 1, 241, 789 1, 250, 282 1, 212, 062 1, 215, 077 1, 215, 354 1, 216, 371 1, 221, 206 1, 226, 279 1, 228, 986 1, 228, 987 1, 229, 203 1, 230, 524 1, 233, 633 1, 235, 063 1, 235, 064 1, 239, 530 1, 249, 414 1, 249, 787 4: 1, 250, 757 5: 1, 211, 687 1, 213, 871 1, 214, 775 1, 214, 934 1, 219, 843 1, 219, 966 1, 220, 260 1, 220, 262 1, 228, 988 1, 230, 803 1, 233, 602 1, 234, 319 1, 235, 723 1, 239, 012 1, 239, 443 1, 243, 274 1, 243, 977 1, 247, 694 1, 249, 286 1, 250, 183 6: 1, 218, 584 7: 1, 216, 643 8: 1, 210, 872 1, 211, 218 1, 219, 466 1, 232, 074 1, 242, 253 1, 243, 041 1, 243, 655 9: 1, 212, 229 1, 225, 052 1, 227, 706 1, 235, 638 1, 235, 904 1, 235, 905 1, 238, 600	204—	31: 1, 249, 479 32: 1, 249, 982 34: 1, 213, 535 38: 1, 211, 363 1, 211, 368 1, 216, 450 1, 216, 451 1, 218, 772 1, 221, 061 1, 221, 062 1, 221, 991 1, 224, 376 1, 224, 455 1, 225, 306 1, 226, 816 1, 228, 169 1, 228, 359 1, 231, 057 1, 232, 873 1, 232, 904 1, 233, 693 1, 251, 005 40: 1, 240, 886 41: 1, 240, 885 49: 1, 225, 346 50: 1, 243, 111 52: 1, 215, 004 1, 225, 297 1, 226, 290 1, 234, 799 1, 237, 733 1, 242, 656 53: 1, 210, 786 1, 210, 787 1, 213, 175 1, 214, 669 1, 215, 774 1, 218, 847 1, 220, 041 1, 223, 167 1, 224, 434 1, 230, 390 1, 233, 204 1, 236, 135 1, 236, 673 1, 238, 529 1, 240, 239 1, 243, 202 1, 244, 558 1, 249, 268 1, 247, 022 54: 1, 225, 175 58: 1, 222, 239 1, 227, 455 1, 236, 025 59: 1, 214, 836 61: 1, 223, 357 62: 1, 219, 797 1, 222, 593 63: 1, 215, 635 1, 215, 657 1, 221, 139 1, 239, 178 64: 1, 211, 545 1, 212, 119 1, 212, 426 1, 213, 180 1, 214, 763 1, 214, 764 1, 214, 841 1, 214, 842 1, 215, 432 1, 215, 433 1, 216, 331 1, 216, 961 1, 217, 306 1, 218, 042 1, 218, 058 1, 218, 151 1, 219, 194 1, 220, 111 1, 220, 839 1, 222, 402 1, 223, 278 1, 223, 475 1, 224, 788 1, 226, 122 1, 226, 264 1, 226, 812 1, 226, 892 1, 227, 068 1, 227, 069 1, 227, 909 1, 229, 324 1, 231, 084 1, 232, 362 1, 232, 785 1, 233, 925 1, 234, 836 1, 234, 900
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Classification of patents—Continued.

204—	64: 1, 234, 946 1, 234, 947 1, 235, 628 1, 235, 629 1, 235, 630 1, 239, 214 1, 239, 215 1, 239, 984 1, 240, 460 1, 240, 490 1, 240, 491 1, 241, 351 1, 241, 499 1, 241, 574 1, 242, 250 1, 242, 275 1, 242, 337 1, 242, 339 1, 242, 340 1, 242, 341 1, 242, 442 1, 242, 464 1, 242, 554 1, 242, 833 1, 242, 971 1, 242, 988 1, 243, 416 1, 244, 415 1, 244, 504 1, 247, 337 1, 248, 444 1, 248, 632 1, 249, 151 1, 249, 854 1, 250, 879 1, 251, 700 1, 223, 986 1, 243, 009	205—	8: 1, 231, 897 14: 1, 212, 919 1, 227, 532 1, 243, 879 16: 1, 239, 451 17: 1, 248, 107 18: 1, 227, 346 29: 1, 243, 167 206—	1: 1, 226, 733 1, 237, 164 3: 1, 212, 201 1, 218, 814 4: 1, 220, 159 1, 243, 239 1, 244, 866 5: 1, 229, 937 1, 240, 536 1, 242, 187 6: 1, 245, 933 7: 1, 216, 684 1, 220, 459 1, 228, 732 1, 238, 344 1, 247, 294 1, 248, 893 8: 1, 236, 697 9: 1, 225, 451 15: 1, 240, 681 16: 1, 228, 698 1, 249, 439 17: 1, 220, 256 19: 1, 230, 746 1, 242, 570 20: 1, 216, 349 1, 247, 248 21: 1, 221, 732 1, 225, 939 1, 226, 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435 1, 225, 092 1, 225, 473 1, 226, 591 1, 229, 502 1, 229, 952 1, 229, 967 1, 231, 186 1, 231, 915 1, 232, 071 1, 232, 072 1, 232, 073 1, 233, 058 1, 233, 236 1, 235, 572 1, 236, 442 1, 237, 550 1, 237, 776 1, 238, 914 1, 242, 699 1, 243, 158 1, 247, 225 42: 1, 240, 026 43: 1, 235, 890 1, 239, 308 44: 1, 245, 531 45: 1, 235, 521 46: 1, 216, 259 1, 221, 648 1, 236, 677 1, 236, 977 47: 1, 214, 750 1, 222, 054 48: 1, 214, 456 1, 227, 455 1, 245, 445 49: 1, 229, 799 1, 232, 955 50: 1, 216, 632 1, 218, 358 1, 232, 171 1, 233, 800 1, 242, 709 1, 249, 924 51: 1, 241, 021 52: 1, 210, 546 1, 210, 883 1, 210, 909 1, 245, 377 1, 246, 830 53: 1, 229, 139 54: 1, 227, 460 1, 250, 945 56: 1, 218, 524	206—	56: 1, 226, 432 1, 236, 846 1, 238, 744 1, 239, 359 1, 241, 463 1, 242, 175 1, 248, 198 1, 249, 610 57: 1, 217, 682 1, 222, 450 1, 222, 566 1, 228, 571 1, 234, 037 59: 1, 218, 179 1, 226, 677 1, 231, 945 1, 239, 976 1, 243, 229 60: 1, 216, 270 1, 225, 079 63: 2: 1, 234, 397 63: 3: 1, 234, 051 64: 1, 218, 457 207—	1: 1, 211, 193 10: 1, 212, 120 1, 216, 282 12: 1, 220, 211 1: 1, 239, 611 13: 1, 232, 472 15: 1, 211, 693 1, 213, 674 1, 216, 273 1, 229, 468 1, 232, 165 24: 1, 212, 221 1, 216, 029 30: 1, 222, 354 1, 233, 077 33: 1, 232, 416 34: 1, 219, 887 1, 234, 614 36: 1, 226, 014 1, 231, 377 1, 249, 407 38: 1, 211, 897 1, 214, 475 1, 219, 295 1, 219, 821 1, 222, 613 1, 232, 186 42: 1, 217, 198 1, 226, 560 1, 226, 590 1, 241, 975 45: 1, 212, 350 1, 213, 910 1, 225, 007 1, 230, 024 1, 216, 540 1, 217, 397 1, 226, 893 1, 232, 015 1, 235, 438 1, 236, 746 1, 236, 927 1, 237, 068 1, 237, 745 1, 237, 959 1, 245, 366 1, 245, 721 1, 249, 749 6: 1, 212, 404 1, 213, 140 1, 223, 028 7: 1, 212, 104 1, 237, 577 8: 1, 214, 167 1, 223, 460 1, 232, 805 1, 233, 061 1, 233, 535 1, 240, 290 1, 246, 850 1, 247, 241 1, 248, 127 9: 1, 234, 107 1, 240, 385 10: 1, 218, 506 1, 223, 423 1, 239, 512 1, 239, 975 1, 248, 730 11: 1, 218, 738 1, 225, 441 1, 248, 452 1, 228, 836 1, 228, 837 13: 1, 212, 844 1, 212, 932 1, 212, 933 1, 214, 152 1, 226, 103 1, 226, 104	208—	97: 1, 223, 572 1, 230, 987 98: 1, 235, 530 100: 1, 229, 353 102: 1, 221, 823 113: 1, 218, 943 1, 237, 969 116: 1, 215, 145 1, 232, 871 125: 1, 211, 303 136: 1, 230, 801 138: 1, 227, 351 140: 1, 240, 587 144: 1, 226, 323 150: 1, 214, 032 1, 232, 966 1, 239, 916 151: 1, 219, 447 1, 230, 255 156: 1, 227, 390 158: 1, 236, 696 159: 1, 234, 027 1, 242, 990 161: 1, 225, 529 162: 1, 217, 191 1, 221, 898 210—	1: 1, 211, 184 1, 211, 481 1, 211, 735 1, 212, 648 1, 220, 429 1, 223, 427 1, 226, 333 1, 228, 712 1, 229, 305 1, 231, 128 1, 233, 016 1, 233, 017 1, 233, 371 1, 235, 698 1, 235, 815 1, 236, 645 1, 237, 942 1, 239, 202 1, 243, 191 1, 245, 605 1, 247, 979 1, 248, 329 1, 249, 368 1, 250, 527 3: 1, 211, 785 1, 213, 183 1, 219, 763 4: 1, 211, 052 1, 213, 910 1, 225, 007 1, 230, 024 5: 1, 216, 540 1, 217, 397 1, 226, 893 1, 232, 015 1, 235, 438 1, 236, 746 1, 236, 927 1, 237, 068 1, 237, 745 1, 237, 959 1, 245, 366 1, 245, 721 1, 249, 749 6: 1, 212, 404 1, 213, 140 1, 223, 028 7: 1, 212, 104 1, 237, 577 8: 1, 214, 167 1, 223, 460 1, 232, 805 1, 233, 061 1, 233, 535 1, 240, 290 1, 246, 850 1, 247, 241 1, 248, 127 9: 1, 234, 107 1, 240, 385 10: 1, 218, 506 1, 223, 423 1, 239, 512 1, 239, 975 1, 248, 730 11: 1, 218, 738 1, 225, 441 1, 248, 452 1, 228, 836 1, 228, 837 13: 1, 212, 844 1, 212, 932 1, 212, 933 1, 214, 152 1, 226, 103 1, 226, 104	210—	13: 1, 227, 982 1, 232, 611 1, 236, 737 1, 249, 835 14: 1, 210, 759 1, 217, 207 1, 219, 290 1, 223, 245 1, 225, 696 1, 227, 491 1, 227, 983 15: 1, 215, 267 1, 247, 875 16: 1, 211, 334 1, 211, 947 1, 214, 747 1, 216, 112 1, 216, 219 1, 216, 547 1, 218, 818 1, 218, 975 1, 220, 231 1, 221, 376 1, 223, 299 1, 224, 009 1, 225, 993 1, 226, 307 1, 226, 691 1, 227, 008 1, 227, 999 1, 228, 427 1, 229, 437 1, 229, 608 1, 229, 839 1, 231, 356 1, 231, 374 1, 233, 050 1, 235, 395 1, 235, 672 1, 236, 100 1, 236, 102 1, 237, 809 1, 238, 013 1, 239, 388 1, 240, 747 1, 244, 989 1, 245, 932 1, 246, 291 1, 246, 981 1, 247, 118 1, 248, 996 1, 249, 724 1, 213, 183 1, 219, 763 17: 1, 222, 162 18: 1, 214, 166 1, 225, 007 1, 224, 483 1, 224, 913 1, 242, 986 1, 247, 540 1, 247, 541 1, 247, 542 1, 247, 543 19: 1, 210, 995 1, 211, 830 1, 212, 339 1, 218, 002 1, 220, 990 1, 221, 851 1, 223, 021 1, 225, 977 1, 225, 978 1, 226, 300 1, 233, 394 1, 243, 737 22: 1, 210, 965 1, 223, 547 1, 232, 805 1, 233, 061 1, 233, 535 1, 240, 290 1, 246, 850 1, 247, 241 1, 248, 127 28: 1, 230, 328 31: 1, 218, 915 34: 1, 212, 101 1, 246, 035 35: 1, 218, 024 1, 244, 007 37: 1, 213, 232 2: R. 14, 279 1, 215, 608 1, 218, 142 1, 230, 242 6: 1, 219, 367 1, 219, 657 1, 225, 797 1, 227, 323 1, 227, 892 1, 229, 100 1, 230, 238	211—	6: 1, 234, 900 1, 246, 364 1, 246, 883 1, 249, 910 7: 1, 213, 185 1, 236, 324 1, 244, 944 8: 1, 211, 139 1, 211, 641 1, 211, 685 1, 215, 178 1, 215, 862 1, 215, 937 1, 216, 095 1, 216, 417 1, 218, 186 1, 219, 618 1, 221, 217 1, 224, 942 1, 225, 143 1, 225, 728 1, 229, 054 1, 229, 525 1, 229, 733 1, 234, 766 1, 235, 311 1, 238, 182 1, 239, 663 1, 239, 753 1, 240, 526 1, 240, 595 1, 241, 188 1, 242, 298 1, 242, 872 1, 244, 889 1, 246, 566 1, 247, 843 1, 249, 141 1, 250, 038 9: 1, 211, 774 1, 223, 984 1, 233, 775 1, 238, 320 1, 240, 927 1, 244, 474 1, 245, 932 1, 246, 291 1, 246, 981 1, 247, 118 1, 248, 996 11: 1, 210, 802 1, 215, 873 1, 222, 687 1, 222, 702 1, 223, 431 1, 221, 830 1, 210, 746 1, 213, 569 1, 214, 606 1, 214, 926 1, 216, 447 1, 220, 382 1, 223, 194 1, 228, 676 1, 229, 371 1, 229, 707 1, 231, 517 1, 232, 214 1, 232, 612 1, 234, 356 1, 236, 867 1, 237, 347 1, 238, 423 1, 238, 781 1, 239, 721 1, 241, 346 1, 245, 425 1, 246, 972 1, 247, 551 1, 247, 663 1, 248, 577 1, 248, 602 14: 1, 210, 805 1, 212, 245 1, 213, 127 1, 217, 038 1, 217, 409 1, 219, 785 1, 220, 447 1, 221, 517 1, 221, 584 1, 222, 072 1, 222, 728 1, 225, 657 1, 226, 543 1, 226, 676 1, 231, 713 1, 232, 195 1, 232, 298 1, 234, 872 1, 235, 248
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211—	14:	1,236,212 1,236,355 1,237,118 1,237,901 1,237,945 1,238,273 1,238,499 1,242,274 1,242,779 1,244,954 1,246,536 1,248,685 15: 1,218,410 1,235,267 1,236,158 1,240,611 16: 1,213,646 1,214,348 1,214,461 1,214,479 1,216,384 1,218,432 1,219,405 1,219,624 1,219,736 1,219,758 1,219,854 1,219,975 1,224,352 1,225,641 1,226,027 1,226,301 1,227,536 1,227,705 1,229,330 1,231,326 1,233,578 1,234,371 1,235,362 1,235,380 1,238,112 1,240,402 1,242,550 1,242,563 1,243,014 1,243,015 1,245,901 1,247,785 1,248,142 1,250,887 17: 1,222,844 1,223,043 1,236,139 1,236,266 1,242,805 1,242,956 1,246,633 18: 1,211,242 1,226,679 1,229,086 1,231,475 1,234,926 1,239,960 1,242,149 1,250,255 20: 1,220,708 1,223,876 1,225,793 1,228,878 1,229,106 1,232,923 1,240,105 1,241,164 1,243,706 1,246,454 1,247,195 21: 1,213,026 1,243,651 1,251,196 22: 1,241,768 1,248,710 1,251,062 1,251,253 1,251,254 1,251,255 23: 1,230,051 24: 1,214,546 1,225,903 1,231,490 1,231,635 1,231,849 1,232,237 1,232,766 1,233,206 1,233,454 1,235,862 1,237,010 1,238,275 1,239,485 1,242,535 1,245,819 1,247,871 1,250,482	211—	24: 1,250,833 1,250,937 25: 1,210,875 1,215,882 1,228,473 1,229,062 1,230,825 1,245,203 1,247,443 26: 1,223,387 1,246,365 27: 1,213,304 1,227,703 1,234,628 1,235,679 1,243,788 28: 1,211,179 1,215,053 1,229,447 1,229,448 1,231,674 1,236,085 1,236,342 1,240,671 1,245,630 1,247,036 1,247,848 29: 1,211,510 1,214,231 1,216,713 1,219,366 1,224,224 1,224,646 1,226,772 1,236,055 1,238,278 31: 1,217,147 1,217,211 1,220,064 1,224,106 1,224,378 1,225,140 1,225,363 1,226,453 1,226,928 1,229,430 1,229,431 1,229,475 1,243,569 32: 1,216,950 1,230,284 1,231,415 1,237,960 1,238,241 1,239,695 1,246,446 1,248,216 1,249,221 1,249,311 1,250,457 1,210,973 1,211,543 1,216,799 1,217,652 1,218,196 33: 1,225,868 1,231,797 1,241,877 1,250,517 1,213,455 34: 1,215,402 1,221,184 1,236,118 1,238,898 1,239,235 1,245,805 36: 1,214,059 1,215,977 1,216,250 1,217,973 1,218,971 1,220,525 1,224,823 1,225,123 1,225,499 1,225,607 1,229,006 1,232,500 37: 1,212,349 1,228,046 1,229,176 1,229,948 1,233,873 1,235,567 1,239,861 1,239,981 1,248,653 1,248,917 1,249,309 1,249,862 39: 1,217,177	211—	40: 1,217,375 41: 1,243,083 42: 1,244,094 1,250,121 43: 1,242,017 1,249,503 212— 2: 1,231,462 14: 1,236,047 38: 1,248,676 42: 1,238,570 1,215,172 44: 1,227,157 1,229,507 1,235,280 47: 1,216,868 1,237,573 49: 1,245,186 53: 1,246,994 1,250,334 56: 1,213,603 59: 1,216,188 1,228,659 61: 1,247,706 1,249,153 65: 1,215,959 1,250,424 75: 1,220,017 1,235,472 1,237,262 76: 1,228,344 80: 1,235,386 81: 1,220,804 1,244,301 1,247,309 89: 1,212,269 1,226,405 91: 1,229,036 98: 1,234,849 1,241,537 129: 1,236,089 135: 1,248,980 137: 1,241,238 145: 1,241,830 213— 2: 1,215,622 3: 1,217,033 1,221,229 8: 1,241,131 9: 1,226,085 1,248,802 10: 1,228,691 1,239,187 1,242,787 14: 1,222,992 1,222,993 17: 1,224,240 1,229,367 1,249,319 35: 1,246,666 36: 1,224,824 39: 1,248,628 1,250,457 1,212,059 1,214,140 1,215,456 1,215,457 1,215,459 1,216,332 1,218,310 1,218,701 1,240,400 1,240,571 1,247,085 1,224,817 1,227,834 1,233,887 1,234,986 1,235,728 1,236,487 1,240,167 1,245,015 1,247,142 1,247,300 1,247,442 40: 1,216,295 1,217,734 1,220,317 1,228,569 1,234,128 1,243,701 1,245,796 41: 1,228,696 1,233,999 1,236,558 42: 1,211,516 1,211,616 1,212,719 1,213,196 1,213,394 1,213,395 1,213,396 1,213,542 1,213,924 1,214,111	213—	42: 1,214,338 1,215,315 1,216,692 1,218,469 1,218,642 1,219,717 1,220,265 1,220,536 1,220,537 1,220,652 1,221,331 1,222,118 1,222,933 1,223,466 1,223,489 1,223,553 1,223,755 1,223,794 1,224,202 1,224,278 1,225,154 1,225,162 1,225,163 1,225,675 1,228,005 1,228,345 1,228,563 1,228,573 1,228,590 1,228,592 1,228,602 1,230,199 1,231,017 1,231,053 1,231,473 1,231,619 1,232,364 1,232,376 1,232,594 1,232,651 1,234,987 1,234,988 1,235,023 1,235,726 1,235,889 1,236,366 1,236,869 1,236,873 1,236,882 1,237,757 1,237,758 1,238,491 1,239,460 1,239,651 1,239,764 1,240,341 1,240,948 1,242,799 1,242,800 1,242,901 1,242,802 1,242,844 1,242,845 1,242,850 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1,248,534 1,250,493 1,250,616 1,251,089 1,251,091 1,251,094 65: 1,223,491 1,245,601 67: 1,240,818 1,249,424 1,249,436 1,250,899 1,212,368 1,212,629 1,213,151 1,213,327 1,214,394 1,214,976 1,217,479 1,220,375 1,223,624 1,224,290 1,228,540 1,229,691 1,230,236 1,230,374 1,231,092 1,231,334 1,231,380 1,232,295 1,232,401 1,232,559 1,233,308 1,235,017 1,237,747 1,237,834 1,238,985 1,240,834 1,241,053 1,242,966 1,243,636 1,245,874 1,246,558 1,246,765 1,247,034	214—	1: 1,247,040 1,247,575 1,247,805 1,251,372 2: 1,214,290 1,216,350 1,219,489 1,227,343 1,231,794 1,232,284 1,233,809 1,240,552 1,242,853 1,243,063 1,243,069 1,248,514 1,249,935 1,250,737 3: 1,216,604 1,223,185 1,226,261 1,229,433 1,243,948 1,249,100 1,250,478 1,251,238 4: 1,216,603 1,224,521 1,235,768 1,238,184 1,248,186 5: 1,224,059 1,226,869 1,243,247 1,245,607 6: 1,216,832 1,220,798 1,220,799 1,225,523 1,229,279 1,245,584 7: 1,229,875 8: 1,219,761 1,240,867 1,242,083 1,244,381 9: 1,210,719 1,245,947 10: 1,216,711 1,222,686 1,229,262 1,229,992 1,232,749 1,245,875 1,249,054 11: 1,212,723 1,218,029 1,221,416 1,221,662 1,225,522 1,226,483 1,229,222 1,236,890 1,237,099 1,245,886 1,250,974 12: 1,210,748 1,212,273 1,214,818 1,216,206 1,218,800 1,221,588 1,233,070 1,233,623 1,234,332 1,234,648 1,234,717 1,235,209 1,246,596 13: 1,212,323 1,217,552 1,223,578 1,232,082 1,243,257 14: 1,210,993 1,215,523 1,229,228 1,230,820 1,231,589 1,241,476 1,246,578 1,247,194 1,251,117 23: R. 14,320 1,217,219 1,217,251 1,224,892 1,232,462 1,234,630 1,234,998 1,241,526 1,247,050 215— 1: 1,212,489
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Classification of patents—Continued.

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1,242,138 1,243,965 1,248,774 65: 1,211,945 1,220,561 1,228,895 66: 1,216,428 68: 1,215,798 1,216,343 69: R. 14,382 1,214,329 1,220,592	215—	69: 1,220,988 1,232,351 1,223,720 1,239,803 1,244,423 1,249,834 1,251,429 70: 1,232,485 71: 1,234,219 72: 1,223,971 78: 1,224,231 80: 1,212,274 1,236,471 1,237,228 81: 1,231,099 1,231,881 1,242,741 1,244,495 1,244,496 82: 1,213,959 1,222,036 83: 1,214,675 1,226,532 1,250,058 84: 1,237,640 87: 1,236,294 88: 1,214,734 94: 1,230,178 99: R. 14,254 1,238,092 104: 1,238,653 112: 1,228,832 113: 1,213,130 1,214,938 1,223,241 1,224,393 1,241,536 1,243,919 117: 1,250,658 118: 1,221,335 1,237,327 1,243,919 216—	217—	7: 1,229,032 1,232,987 8: 1,231,178 10: 1,245,378 11: 1,214,502 1,218,628 12: 1,220,621 1,222,416 1,227,401 1,229,834 1,231,977 1,233,981 1,240,296 1,247,359 13: 1,238,662 14: 1,217,852 1,218,846 1,224,833 15: 1,211,656 1,214,751 1,220,464 1,223,253 1,224,493 1,229,118 1,230,336 1,231,504 1,240,463 19: 1,214,082 1,230,985 1,236,589 21: 2,219,069 22: 1,210,405 1,233,471 1,234,152 1,240,520 26: 1,210,954 1,222,226 1,232,226 27: 1,213,550 1,214,451 1,216,208 1,217,403 1,222,769 1,223,055 1,223,872 1,225,141 1,227,224 1,237,345 1,239,661 28: 1,219,039 1,248,369 29: 1,212,976 1,225,425 1,234,936 1,240,518 30: 1,249,197 31: 1,250,090 32: 1,216,165 1,230,546 33: 1,226,823 34: 1,222,227 1,223,209 1,225,142 1,227,250 1,236,561 35: 1,217,230 1,225,704 36: 1,212,586 1,215,718 1,218,827 40: 1,226,875 42: 1,236,919 43: 1,211,700 1,214,615 1,222,543 1,222,638 44: 1,223,767 1,225,665 1,226,018 46: 1,214,012 47: 1,210,452 1,213,734 1,216,058 1,216,210 1,218,502 1,219,280 1,227,079 1,227,793 1,232,331 1,232,665 1,238,025 1,238,028 1,240,097 1,242,143 48: 1,220,275 1,232,337 52: 1,213,584 1,230,865 1,247,292 57: 1,214,813 58: 1,237,466 1,244,163 59: 1,222,832	217—	60: 1,213,969 1,214,890 1,232,094 1,233,142 1,238,871 1,242,736 61: 1,245,986 64: 1,216,842 1,224,794 1,237,023 65: 1,215,713 1,235,948 66: 1,216,791 67: 1,235,353 68: 1,220,835 69: 1,215,839 1,216,587 1,245,456 70: 1,212,219 72: 1,223,853 74: 1,246,510 76: 1,222,035 1,226,814 1,233,150 1,242,352 1,246,366 1,246,367 80: 1,221,120 81: 1,213,187 1,219,091 1,230,785 82: 1,224,233 86: 1,229,040 1,244,220 87: 1,249,217 89: 1,215,355 1,222,047 1,225,520 1,226,346 95: 1,212,420 96: 1,212,327 1,250,936 113: 1,226,090 1,246,661 1,248,721 122: 1,226,472 1,235,976 124: 1,211,384 125: 1,223,262 1,239,184 1,241,542 126: 1,221,619 1,230,082 2: 1,234,892 1,237,422 1,239,967 1,240,207 4: 1,230,965 5: 1,217,521 8: 1,215,987 1,218,051 1,220,599 1,244,135 12: R. 14,344 1,217,926 1,218,139 1,224,972 1,227,825 1,229,134 1,232,841 1,239,797 1,239,846 1,240,874 1,244,466 13: 1,229,173 14: 1,218,801 1,231,201 1,249,238 15: 1,224,460 1,228,768 1,231,210 1,237,204 1,238,519 1,244,430 17: 1,217,088 1,217,089 1,217,216 1,219,425 1,234,982 1,249,055 19: 1,216,717 22: 1,244,372 25: 1,228,735 219—	219—	4: 1,216,466 1,216,467 1,220,598 1,220,848 1,221,512 1,221,958 1,222,165 1,222,574 1,223,092 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1,242,711
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1,226,403 33: 1,218,640 1,219,017 34: 1,218,632 35: 1,227,527 41: 1,225,989 43: 1,234,671 45: 1,217,706 46: 1,244,605 49: 1,231,801 53: 1,231,562 55: 1,227,336 56: 1,221,808 1,223,760 1,231,553 1,233,312 1,234,992 60: 1,216,718 1,247,929 61: 1,220,085 1,221,666 62: 1,216,453 63: 1,222,373 64: 1,216,804 67: 1,212,431 1,215,821 1,228,758	220— 67: 1,230,344 1,234,593 1,244,610 74: 1,243,029 1,246,164 1,247,391 75: 1,216,869 1,220,873 76: 1,218,884 1,240,689 1,247,029 1,249,096 1,251,027 77: 1,220,151 1,234,189 1,239,183 1,240,976 79: 1,214,147 80: 1,227,338 81: 1,246,924 1,248,945 86: 1,217,667 89: 1,220,422 91: 1,217,418 1,220,500 92: 1,214,899 1,222,571 1,229,187 1,230,459 1,239,417 1,246,947 93: 1,236,437 94: 1,215,724 97: 1,244,508 98: 1,224,778 1,227,596 1,211,189 1,222,221 110: 1,223,899 1,239,737 111: 1,212,758 1,220,301 1,221,789 1,225,025 1,240,224 115: 1,212,321 1,213,588 1,214,389 1,215,026 1,216,022 1,216,023 1,216,330 1,218,380 1,218,574 1,222,991 1,226,511 1,226,634 1,227,964 1,229,532 1,229,777 1,234,638 1,236,376 1,236,429 1,237,016 1,238,010 1,238,090 1,238,993 1,239,307 1,239,348 1,239,427 1,239,881 1,245,164 1,247,058 1,248,185 1,248,762 1,249,983 118: 1,219,176 119: 1,211,305 1,235,122 120: 1,211,486 1,219,000 1,234,268 1,243,138 121: 1,211,173 1,213,686 1,219,493 1,233,028 1,235,987 1,238,983 124: 1,210,436 1,211,859 1,212,878 1,215,682 1,216,771 1,216,972 1,220,267 1,223,106 1,223,156 1,225,679 1,227,354 1,228,285	220— 124: 1,229,261 1,229,755 1,230,316 1,232,788 1,232,789 1,236,718 1,239,026 1,239,542 1,241,735 1,243,178 1,243,974 1,244,222 1,245,298 1,248,297 1,248,311 1,250,629 125: 1,213,041 1,218,600 1,224,911 1,232,929 1,235,128 1,241,884 1,242,399 1,248,088 1,250,495 131: 1,246,249 132: 1,211,152 1,215,292 1,217,796 1,226,227 1,226,305 1,226,781 1,228,268 1,230,831 1,231,042 1,240,757 1,242,160 1,242,430 1,242,772 135: 1,225,245 1,234,516 1,234,730 136: 1,228,396 1,229,866 1,231,022 1,240,945 137: 1,218,449 1,249,565 138: 1,229,912 1,237,093 1,238,737 141: 1,230,988 142: 1,229,758 147: 1,221,482 1,228,804 1,246,265 221— 1: 1,216,199 1,225,610 1,235,550 3: 1,211,043 1,215,997 9: 1,238,195 11: 1,216,135 1,224,583 1,230,498 1,239,181 1,243,021 14: 1,230,916 15: 1,241,511 17: 1,242,137 19: 1,231,400 1,235,104 20: 1,230,207 23: 1,210,877 1,212,025 1,218,500 1,213,918 1,221,724 1,223,533 1,224,017 1,229,902 1,245,333 1,248,136 1,249,577 24: 1,248,720 36: 1,236,955 44: 1,250,851 47: 1,215,130 1,217,063 1,219,197 1,232,076 1,233,131 1,235,514 1,248,526 48: 1,211,960 1,214,740 1,234,089 1,238,630 51: 1,215,313 1,241,207 52: 1,236,215 1,245,381 1,247,481	221— 56: 1,250,076 60: 1,210,599 1,210,600 1,212,138 1,214,833 1,219,263 1,227,297 1,227,430 1,227,638 1,228,309 1,229,029 1,235,351 1,242,165 1,242,654 1,243,140 62: 1,220,803 1,227,121 1,236,070 1,248,491 1,249,289 1,226,722 64: 1,224,082 67: 1,226,914 72: 1,243,801 74: 1,222,047 1,230,052 1,237,144 1,244,914 78: 1,230,061 1,236,232 1,238,403 1,244,324 79: 1,211,264 1,222,667 1,249,957 80: 1,212,086 81: 1,246,819 1,248,606 94: 1,219,364 1,230,929 1,232,172 1,224,285 1,229,556 1,231,098 1,244,205 95: 1,210,988 1,249,565 96: 1,215,559 98: 1,215,298 1,216,640 1,217,078 1,220,689 1,223,207 1,225,418 1,227,125 1,233,812 99: 1,235,598 1,218,925 1,231,006 1,235,120 1,250,976 100: 1,210,811 1,210,812 1,215,801 1,228,363 1,242,831 1,248,818 1,251,281 101: 1,210,567 1,233,507 1,234,932 1,246,412 102: 1,222,245 1,224,355 1,225,699 1,235,913 1,241,889 1,242,414 1,251,288 103: 1,221,288 1,225,124 1,236,682 1,236,967 1,241,725 1,244,585 104: 1,215,667 105: 1,221,575 1,229,396 1,233,791 1,245,916 106: 1,215,577 107: 1,211,577 1,212,892 1,225,107 108: 1,216,120 1,219,651 110: 1,211,430 1,233,737 1,246,916 111: 1,219,846 112: 1,219,800 114: 1,233,656	221— 115: 1,215,310 1,246,565 117: 1,240,830 120: 1,230,069 1,237,629 122: 1,237,986 125: 1,233,205 1,247,641 127: 1,240,529 128: 1,230,350 130: 1,243,631 138: 1,236,519 1,244,787 1,247,738 222— 4: 1,220,995 1,228,190 1,239,256 5: 1,220,827 7: 1,233,166 1,238,394 1,240,480 223— 15: 1,210,761 1,211,489 1,215,707 1,223,575 17: R. 14, 374 1,218,520 1,221,394 1,221,395 1,223,585 1,235,344 1,239,959 1,241,557 1,243,175 1,243,176 1,245,193 18: 1,215,158 1,217,936 1,218,271 1,221,490 1,221,522 1,221,549 1,221,550 1,225,207 1,228,808 1,235,613 1,235,925 1,246,224 1,248,028 19: 1,210,915 1,212,024 1,215,277 1,217,712 1,218,490 1,221,165 1,222,713 1,225,544 1,228,130 1,229,959 1,230,959 1,232,994 1,236,167 1,241,593 1,242,841 1,243,741 1,247,455 1,249,939 1,250,020 1,250,783 1,250,783 1,251,402 22: 1,239,064 24: 1,221,427 26: 1,210,576 31: 1,212,054 1,214,845 1,214,846 1,217,274 1,219,353 1,223,665 1,223,666 1,223,733 1,224,427 1,245,487 33: 1,214,335 1,222,602 36: 1,217,061 1,220,387 1,230,270 1,240,142 1,241,427 38: 1,217,046 1,242,172 39: 1,242,425 40: 1,217,874 1,231,138 1,231,139 44: 1,218,351 51: 1,221,540 1,221,972 52: 1,224,268
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Classification of patents—Continued.

223—	53: 1,218,222 54: 1,229,204 55: 1,216,293 1,224,858 1,230,636 57: 1,241,522 60: 1,229,051 1,231,503 1,248,987	224—	47: 1,251,404 48: 1,213,055 52: 1,243,638 53: 1,212,190 56: 1,218,859 1,247,910 57: 1,239,468 1,246,587 3: 1,245,088 5: 1,234,939 14: 1,246,803 17: 1,224,949 18: 1,238,271 1,246,804 21: 1,210,501 1,218,888 1,226,081 1,229,852 1,233,393 1,237,357 1,241,352 1,241,353 22: 1,220,753 26: 1,212,186 28: 1,234,768 1,238,842 31: 1,223,591 35: 1,238,232 1,250,535 40: 1,236,912 1,248,705 4: 1,225,980 1,249,025 5: 1,215,812 1,221,105 1,235,429 24: 1,217,279 1,237,038 6: 1,230,420 9: 1,217,884 1,218,315 1,219,205 1,223,293 1,232,105 1,232,137 1,232,172 1,233,261 1,241,196 1,227,266 1,244,471 1,248,339 1,250,322 10: 1,230,334 12: R. 14,400 1,216,576 1,221,293 1,227,628 1,239,068 13: 1,226,042 1,233,024 1,242,313 14: 1,216,786 15: 1,222,463 1,224,249 17: 1,213,362 1,222,759 1,246,180 18: 1,210,403 1,211,027 1,226,714 21: 1,226,448 28: 1,211,289 1,216,036 1,225,349 1,227,807 33: 1,219,222 1,222,611 1,230,189 1,233,352 1,237,800 1,242,453 1,243,587 1,246,033 1,247,354 34: 1,249,709 1: 1,233,540 8: 1,229,003 1,234,596 11: 1,212,301 1,242,286 1,244,278 1,246,655 15: 1,218,828 16: 1,222,200 20: 1,235,943 1,238,588 28: 1,230,169 1,241,701 1,241,856 29: 1,216,041 1,229,394 32: 1,238,692 228—	225—	1: 1,210,475 1,215,251 1,222,264 1,248,012 2: 1,230,043 1,237,075 1,240,880 4: 1,210,771 1,214,274 1,216,322 1,216,531 1,219,449 1,219,669 1,222,391 1,223,638 1,227,597 1,227,598 1,229,182 1,232,825 1,240,527 1,242,152 1,245,801 1,247,754 1,249,906 5: 1,214,161 1,217,262 1,220,957 1,240,728 7: R. 14,365 1,212,087 1,237,817 14: 1,212,513 22: 1,234,298 23: 1,211,275 1,211,276 1,214,895 1,217,736 1,217,966 1,227,266 28: 1,213,102 1,235,582 29: 1,211,377 1,212,079 1,215,477 1,215,976 1,217,807 1,218,702 1,221,559 1,221,909 1,222,006 1,222,572 1,223,258 1,223,786 1,224,327 1,224,548 1,225,370 1,226,446 1,227,330 1,231,393 1,231,480 1,232,350 1,232,351 1,232,371 1,232,970 1,233,162 1,233,324 1,233,325 1,233,628 1,233,661 1,234,155 1,234,409 1,234,646 1,237,421 1,238,200 1,238,296 1,240,340 1,240,667 1,243,034 1,244,417 1,246,591 1,248,404 1,249,338 1,249,522 1,249,564 1,250,161 1,251,200 45: 1,219,623 1,227,657 1,229,326 1,232,778 1,236,313 1,237,777 47: 1,220,788 1,223,420	226—	4: 1,225,980 1,249,025 5: 1,215,812 1,221,105 1,235,429 24: 1,217,279 1,237,038 6: 1,230,420 9: 1,217,884 1,218,315 1,219,205 1,223,293 1,232,105 1,232,137 1,232,172 1,233,261 1,241,196 1,227,266 1,244,471 1,248,339 1,250,322 10: 1,230,334 12: R. 14,400 1,216,576 1,221,293 1,227,628 1,239,068 13: 1,226,042 1,233,024 1,242,313 14: 1,216,786 15: 1,222,463 1,224,249 17: 1,213,362 1,222,759 1,246,180 18: 1,210,403 1,211,027 1,226,714 21: 1,226,448 28: 1,211,289 1,216,036 1,225,349 1,227,807 33: 1,219,222 1,222,611 1,230,189 1,233,352 1,237,800 1,242,453 1,243,587 1,246,033 1,247,354 34: 1,249,709 1: 1,233,540 8: 1,229,003 1,234,596 11: 1,212,301 1,242,286 1,244,278 1,246,655 15: 1,218,828 16: 1,222,200 20: 1,235,943 1,238,588 28: 1,230,169 1,241,701 1,241,856 29: 1,216,041 1,229,394 32: 1,238,692 228—	227—	1: 1,233,540 8: 1,229,003 1,234,596 11: 1,212,301 1,242,286 1,244,278 1,246,655 15: 1,218,828 16: 1,222,200 20: 1,235,943 1,238,588 28: 1,230,169 1,241,701 1,241,856 29: 1,216,041 1,229,394 32: 1,238,692 228—	228—	1: 1,231,318 1,250,279 4: 1,232,221 1,233,686 5: 1,229,218 1,243,844 1,251,192 6: 1,227,901 1,233,717 1,240,653 1,249,855 1,251,334 7: 1,236,621 14: 1,218,144 1,220,337 1,234,615 1,246,709 1,250,520 15: 1,217,713 1,219,754 1,222,150 1,235,696 1,235,711 16: 1,215,827 1,246,395 1,224,599 17: 1,228,248 1,245,073 18: 1,250,615 1,233,975 20: 1,248,189 1,228,220 22: 1,211,992 1,250,311 23: 1,241,392 24: 1,217,279 25: 1,210,827 1,244,645 26: 1,213,622 27: 1,219,695 1,219,696 1,223,293 28: 1,214,774 32: 1,216,176 1,217,526 1,220,950 1,229,698 1,243,304 1,245,082 1,226,024 1,245,313 3: 1,217,599 1,218,984 1,224,726 1,229,751 1,233,802 1,234,683 1,243,698 4: 1,215,970 5: 1,212,428 1,221,900 6: 1,210,870 1,224,086 1,225,705 1,228,822 8: 1,211,671 8.5: 1,239,143 12: 1,211,873 1,212,147 1,213,586 1,213,648 1,216,617 1,222,719 1,227,802 1,231,203 1,233,356 1,234,633 1,234,634 1,235,750 1,237,914 1,243,658 1,244,369 13: 1,226,293 14: 1,222,753 15: 1,215,220 1,215,291 1,217,283 1,224,996 1,235,886 1,243,075 16: 1,213,135 1,217,029 1,228,063 1,230,552 1,234,421 1,251,008 17: 1,240,563 1,247,237 20: 1,247,332 21: 1,216,391 22: 1,221,785	229—	22: 1,240,564 23: 1,223,202 1,228,725 1,232,162 1,235,824 1,238,364 1,243,315 1,249,495 1,249,607 1,250,357 29: 1,221,804 1,226,150 31: 1,221,755 1,230,675 33: 1,228,287 1,230,401 34: 1,211,223 1,218,353 37: 1,211,857 1,223,232 38: 1,223,013 1,234,917 39: 1,226,531 1,234,483 1,237,424 40: 1,219,788 1,222,287 1,247,239 1,249,548 41: 1,245,369 1,249,097 1,249,098 1,249,099 43: 1,234,480 44: 1,216,071 1,236,509 1,246,932 45: 1,239,284 1,242,534 1,250,610 46: 1,216,638 1,238,601 47: 1,226,154 48: 1,231,079 1,239,162 1,239,163 49: 1,218,872 1,241,633 51: 1,217,799 1,221,911 1,243,699 1,249,005 1,249,497 1,249,498 1,249,499 52: 1,232,102 1,245,479 53: 1,222,565 1,224,809 1,245,256 1,245,610 55: 1,246,650 56: 1,236,159 1,246,898 60: 1,221,614 61: 1,238,411 62: 1,210,699 67: 1,210,406 1,226,359 68: 1,215,868 1,223,569 69: 1,210,449 1,236,877 70: 1,245,447 71: 1,228,146 72: 1,212,128 1,220,515 1,220,796 1,234,879 73: 1,216,113 1,216,347 1,221,189 1,231,204 74: 1,214,864 75: 1,222,419 76: 1,212,904 1,219,260 1,228,218 1,230,154 77: 1,210,952 1,216,800 1,247,428 78: 1,218,494 1,222,490 1,229,048 1,232,610 1,235,289 1,247,099 1,247,852 79: 1,236,403 80: 1,211,367 1,221,907	229—	80: 1,230,023 1,233,780 81: 1,220,869 82: 1,212,594 1,219,635 1,221,569 1,246,166 84: 1,212,852 1,225,924 1,249,951 85: 1,234,867 86: 1,227,215 1,229,679 87: 1,213,477 1,217,031 1,217,818 1,217,820 1,228,714 1,229,081 1,238,645 1,247,697 87.5: 1,243,626 1,244,522 89: 1,250,770 90: 1,212,793 1,231,511 92.3: 1,240,961 1,244,161 1,244,815 92.5: 1,242,968 92.7: 1,220,474 1,229,442 92.9: 1,235,194 230—	230—	1: 1,211,150 1,214,163 1,214,198 1,214,199 1,214,698 1,214,848 1,219,745 1,221,365 1,224,218 1,226,076 1,226,572 1,227,291 1,228,853 1,233,155 1,234,423 1,238,365 1,239,673 1,241,599 1,241,600 1,242,116 1,243,238 1,243,968 1,244,480 1,245,374 1,246,967 1,247,838 1,248,437 1,249,077 2: 1,212,923 1,216,693 1,219,242 1,223,758 1,229,539 5: 1,226,702 1,226,651 1,240,155 6: 1,225,817 1,239,869 1,245,643 1,251,410 7: 1,210,569 1,210,828 1,212,433 1,215,103 1,217,311 1,218,858 1,220,628 1,239,161 1,240,846 1,241,458 1,241,670 1,244,696 1,245,849 9: 1,247,818 11: 1,210,564 1,217,386 1,225,053 1,225,122 1,226,131 1,226,670 1,229,738 1,230,206 1,233,115 1,233,135 1,233,707 1,234,446 1,234,598 1,235,849 1,238,683 1,242,077	230—	11: 1,243,615 1,244,427 1,246,090 1,247,363 1,249,692 1,250,005 1,250,029 1,250,681 13: R. 14,246 1,212,557 1,215,321 1,216,247 1,221,463 1,222,274 1,228,608 1,233,991 1,237,196 1,237,219 1,240,858 1,246,771 14: 1,220,000 1,233,991 1,233,275 1,246,109 1,246,149 16: 1,231,971 1,249,921 1,234,505 22: 1,233,581 24: 1,211,074 1,215,071 1,216,119 1,222,352 1,224,146 1,224,272 1,226,752 1,229,792 1,230,834 1,230,925 1,234,587 1,239,566 1,239,567 1,239,568 1,240,539 1,240,664 1,240,892 1,241,372 1,245,200 1,245,612 1,248,119 1,248,120 1,248,467 1,248,740 1,250,015 25: 1,216,285 27: 1,210,649 1,212,760 1,213,522 1,213,780 1,216,688 1,217,771 1,217,797 1,218,246 1,218,903 1,221,131 1,221,295 1,222,027 1,222,030 1,222,034 1,223,682 1,224,849 1,226,328 1,226,507 1,232,202 1,233,704 1,234,130 1,235,062 1,236,479 1,236,513 1,236,863 1,239,625 1,240,855 1,241,959 1,242,040 1,242,685 1,244,053 1,244,365 1,247,623 1,247,835 1,248,926 1,249,654 1,249,822 1,250,078 1,250,232 1,250,474 1,250,825 28: 1,219,184 29: 1,226,864 1,243,299 30: 1,210,730 1,211,169
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230—	30: 1, 218, 300 1, 221, 602 1, 223, 919 1, 237, 668 1, 242, 692 1, 249, 527 32: 1, 211, 161 1, 220, 618 1, 223, 184 1, 224, 661 1, 227, 762 1, 230, 219 1, 233, 855 1, 234, 684 1, 234, 850 1, 240, 925 1, 241, 872 1, 244, 309 1, 244, 955 1, 250, 733 33: 1, 231, 104 1, 231, 105 1, 243, 637 1, 250, 001 34: 1, 219, 511 1, 231, 518 1, 233, 693 1, 242, 276 1, 246, 801 1, 248, 118 1, 251, 420 35: 1, 231, 051 36: 1, 229, 586 1, 230, 995 1, 244, 875 1, 248, 408 1, 250, 104 37: 1, 236, 922 1, 243, 455 1, 245, 401 38: 1, 227, 007 5: 1, 250, 561 60: 1, 231, 996 231— 1: 1, 222, 314 1, 222, 964 1, 222, 965 1, 222, 966 1, 232, 160 1, 233, 972 1, 239, 323 4: 1, 211, 248 1, 211, 854 1, 227, 580 1, 229, 829 1, 243, 467 1, 248, 640 6: 1, 213, 356 8: 1, 234, 705 1, 234, 706 1, 234, 707 17: 1, 213, 792 1, 227, 934 20: 1, 247, 133 24: 1, 218, 477 25: 1, 215, 093 28: 1, 215, 753 33: 1, 220, 251 1, 238, 761 1, 239, 733 1, 250, 998 34: 1, 232, 616 1, 244, 229 35: 1, 210, 562 1, 211, 425 1, 248, 171 40: 1, 240, 022 1, 240, 190 41: 1, 217, 430 1, 219, 328 1, 219, 360 1, 221, 354 1, 222, 086 1, 224, 766 1, 227, 214 1, 227, 220 1, 227, 451 1, 228, 057 1, 231, 724 1, 232, 867 1, 235, 123 1, 237, 217 1, 237, 676 1, 238, 114 1, 239, 330 1, 243, 498 1, 243, 500 42: 1, 216, 110 1, 217, 087 1, 223, 178 1, 229, 268 1, 233, 163 1, 236, 214 1, 240, 308	232—	42: 1, 249, 330 1, 250, 191 45: 1, 216, 867 1, 237, 739 1, 245, 719 47: 1, 220, 549 1, 245, 136 1, 248, 584 49: 1, 237, 199 53: 1, 229, 743 4: 1, 222, 779 7: R. 14, 331 1, 212, 996 1, 213, 983 13: 1, 210, 865 18: 1, 216, 118 19: 1, 230, 601 1, 241, 861 21: 1, 212, 370 1, 215, 337 1, 222, 979 1, 224, 164 1, 232, 104 1, 242, 560 1, 246, 267 1, 247, 473 23: 1, 230, 560 28: 1, 248, 454 31: 1, 248, 821 33: 1, 247, 472 35: 1, 212, 168 1, 232, 811 37: 1, 239, 734 41: 1, 221, 951 46: 1, 232, 568 1, 241, 988 234— 1: 1, 212, 598 1, 215, 840 1, 219, 858 1, 228, 315 1, 234, 851 1, 234, 852 1, 237, 808 1, 239, 351 1, 243, 702 1, 247, 850 1.5: 1, 210, 481 1, 211, 491 1, 213, 963 1, 242, 483 1, 245, 588 4: 1, 229, 647 5: 1, 213, 801 5.5: 1, 217, 301 1, 218, 955 1, 221, 443 1, 227, 320 1, 234, 964 6: R. 14, 269 1, 216, 272 10: 1, 211, 703 1, 239, 300 1, 247, 952 1, 248, 876 11: 1, 216, 114 12: 1, 210, 972 12.5: 1, 229, 878 16: 1, 214, 708 19: 1, 229, 805 20: 1, 236, 911 26: 1, 216, 200 1, 216, 201 27.5: 1, 213, 356 1, 218, 061 1, 218, 795 1, 251, 190 29: 1, 234, 708 1, 234, 880 31: 1, 235, 334 1, 242, 557 33: 1, 237, 497 1, 248, 716 33.5: 1, 222, 151 34: 1, 222, 502 34.5: 1, 236, 381 35: 1, 223, 384 1, 239, 680 1, 242, 093 1, 251, 386 36: 1, 240, 883 1, 247, 737 36.5: 1, 240, 763 1, 241, 213 39: 1, 223, 581 1, 238, 706 1, 239, 812 40: 1, 231, 350 1, 236, 321 41: 1, 221, 600 1, 221, 895 1, 222, 029 1, 235, 260 43: 1, 213, 662	234—	43: 1, 215, 532 1, 215, 683 1, 217, 589 1, 218, 995 1, 219, 765 1, 219, 912 1, 235, 519 1, 240, 203 1, 250, 494 49: 1, 220, 273 53: 1, 231, 108 1, 249, 192 1, 249, 193 53.5: 1, 213, 345 55: R. 14, 403 1: 1, 216, 261 2: 1, 226, 682 1, 230, 862 1, 230, 864 1, 233, 492 1, 245, 191 1, 246, 178 1, 215, 585 1, 230, 241 1, 230, 861 1, 230, 928 1, 232, 705 1, 235, 701 1, 238, 777 1, 239, 708 1, 242, 170 4: 1, 233, 546 9: 1, 240, 234 1, 242, 280 12: 1, 227, 054 14: 1, 250, 444 19: 1, 247, 709 20: 1, 239, 095 22: 1, 234, 238 23: 1, 217, 753 1, 242, 281 1, 244, 063 26: 1, 214, 030 1, 215, 567 30: 1, 223, 067 1, 230, 171 1, 234, 216 1, 234, 217 31: 1, 221, 670 32: 1, 210, 622 1, 210, 732 1, 217, 186 1, 243, 619 1, 246, 608 1, 246, 645 1, 210, 858 1, 210, 859 1, 223, 723 1, 229, 646 50: 1, 219, 053 52: 1, 230, 880 54: 1, 210, 495 1, 216, 778 55: 1, 219, 874 1, 240, 632 58: 1, 214, 006 1, 216, 526 1, 218, 346 1, 218, 376 1, 219, 445 1, 223, 329 1, 224, 411 1, 224, 412 1, 225, 655 1, 228, 290 1, 229, 844 1, 232, 738 1, 238, 254 1, 245, 502 1, 245, 503 1, 246, 931 1, 247, 670 1, 247, 730 1, 248, 096 59: 1, 212, 246 1, 212, 247 1, 212, 248 1, 212, 249 1, 214, 482 1, 220, 665 1, 222, 694 1, 223, 010 1, 223, 871 1, 226, 970 1, 227, 033 1, 228, 492 1, 232, 755 1, 234, 368 1, 237, 258 1, 237, 572 1, 239, 598 1, 242, 282	235—	59: 1, 244, 397 1, 244, 398 1, 244, 572 1, 244, 573 1, 244, 574 1, 245, 300 1, 245, 301 1, 246, 009 1, 246, 800 1, 246, 889 1, 247, 198 1, 247, 379 1, 247, 598 1, 250, 477 60: 1, 211, 148 1, 212, 320 1, 213, 100 1, 213, 268 1, 214, 491 1, 216, 712 1, 218, 136 1, 219, 766 1, 221, 927 1, 223, 166 1, 224, 314 1, 224, 872 1, 224, 873 1, 225, 590 1, 225, 654 1, 225, 656 1, 225, 810 1, 226, 072 1, 227, 263 1, 229, 461 1, 232, 007 1, 232, 008 1, 232, 009 1, 232, 011 1, 232, 018 1, 232, 020 1, 232, 739 1, 234, 218 1, 234, 385 1, 236, 481 1, 237, 513 1, 237, 703 1, 238, 055 1, 238, 065 1, 238, 809 1, 241, 140 1, 243, 669 1, 243, 763 1, 245, 635 1, 246, 087 1, 246, 186 1, 247, 954 1, 248, 409 1, 249, 124 1, 249, 554 61: 1, 210, 752 1, 212, 231 1, 219, 261 1, 232, 968 1, 237, 821 1, 237, 822 1, 238, 800 1, 247, 899 62: 1, 212, 251 1, 219, 356 1, 219, 376 1, 226, 950 1, 231, 523 1, 233, 066 1, 237, 899 1, 247, 304 63: 1, 214, 886 1, 237, 641 1, 249, 279 67: 1, 220, 737 1, 242, 921 68: 1, 243, 610 70: 1, 210, 488 1, 250, 379 73: 1, 220, 008 74: 1, 210, 515 1, 244, 335 75: 1, 221, 653 78: 1, 211, 581 1, 229, 522 1, 234, 758 1, 243, 224 1, 245, 437 79: 1, 220, 545 1, 221, 318 80: 1, 210, 753 1, 214, 262 1, 219, 878 1, 242, 304 1, 248, 986 81: 1, 214, 608 1, 218, 255 82: 1, 220, 009	235—	82: 1, 220, 029 1, 221, 027 1, 221, 829 1, 222, 661 1, 227, 655 1, 233, 490 1, 233, 491 1, 239, 622 1, 243, 839 1, 248, 718 84: 1, 214, 040 1, 232, 066 86: 1, 217, 220 1, 222, 731 1, 224, 333 1, 234, 303 1, 251, 180 87: 1, 228, 385 89: 1, 232, 706 1, 245, 604 1, 248, 905 90: 1, 211, 170 91: 1, 212, 403 1, 217, 920 1, 219, 939 1, 223, 039 1, 229, 614 1, 230, 196 1, 232, 318 1, 232, 319 1, 233, 637 1, 240, 601 1, 242, 664 1, 243, 271 1, 245, 504 1, 245, 506 1, 247, 508 1, 247, 635 1, 250, 483 1, 250, 786 92: R. 14, 381 1, 212, 226 1, 226, 058 1, 237, 620 1, 244, 634 1, 245, 505 1, 245, 665 93: 1, 227, 567 94: 1, 228, 518 1, 243, 400 95: 1, 238, 205 1, 219, 479 1, 223, 902 1, 228, 784 98: 1, 227, 485 99: 1, 234, 242 1, 235, 283 1, 248, 180 100: 1, 229, 348 101: 1, 240, 218 1, 242, 162 104: 1, 214, 058 1, 246, 043 109: 1, 220, 318 112: 1, 222, 269 117: 1, 214, 690 120: 1, 245, 344 124: 1, 216, 117 125: 1, 238, 712 126: 1, 224, 452 129: 1, 212, 895 1, 232, 019 130: 1, 226, 315 1, 228, 404 1, 237, 438 1, 237, 895 1, 243, 277 131: 1, 228, 148 132: 1, 211, 580 1, 218, 365 133: 1, 224, 633 1, 225, 951 1, 237, 213 1, 248, 281 137: 1, 231, 999 138: 1, 215, 186 139: 1, 214, 399 1, 216, 758 1, 216, 759 1, 243, 374 1, 245, 501 1, 212, 250 1, 215, 219 1, 220, 030 1, 224, 834 1, 236, 737 1, 217, 927 1, 210, 794 1, 218, 768 1, 225, 887 1, 228, 188	236—	4: 1, 231, 895 1, 234, 500 1, 241, 191 1, 245, 282 5: 1, 210, 706 1, 217, 049 1, 217, 601 1, 219, 515 1, 219, 516 1, 224, 614 1, 225, 648 1, 234, 548 1, 235, 348 1, 236, 335 1, 239, 859 1, 240, 982 1, 243, 647 1, 246, 041 6: R. 14, 309 1, 212, 595 1, 212, 749 1, 218, 384 1, 218, 990 1, 220, 381 1, 220, 946 1, 220, 972 1, 220, 985 1, 222, 519 1, 222, 870 1, 227, 879 1, 228, 568 1, 230, 979 1, 232, 130 1, 233, 480 1, 234, 573 1, 236, 257 1, 236, 731 1, 240, 102 1, 241, 641 1, 243, 112 1, 243, 396 1, 244, 184 1, 244, 802 1, 247, 216 1, 251, 214 1, 251, 269 7: 1, 210, 529 1, 213, 944 1, 220, 432 1, 228, 757 1, 231, 402 1, 240, 139 8: 1, 212, 042 1, 215, 803 1, 216, 996 1, 231, 822 1, 231, 894 1, 243, 996 1, 245, 648 9: 1, 247, 217 1, 239, 440 10: 1, 219, 699 1, 235, 673 16: 1, 221, 497 1, 231, 439 1, 231, 458 1, 231, 653 1, 237, 957 1, 238, 412 1, 238, 825 1, 239, 878 1, 243, 690 1, 243, 793 1, 244, 106 1, 248, 143 1, 248, 433 1, 248, 611 18: 1, 228, 128 19: 1, 213, 093 1, 219, 546 1, 219, 547 1, 245, 233 1, 247, 711 20: 1, 211, 314 21: 1, 247, 826 24: 1, 213, 105 27: 1, 219, 390 1, 228, 718 1, 231, 570 1, 234, 070 1, 237, 470 3: R. 14, 386 1, 214, 759 1, 223, 433 1, 243, 707 1, 247, 496 4: 1, 212, 283 1, 216, 949 1, 241, 519 5: 1, 228, 699 7: 1, 232, 131 9: 1, 236, 854
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Classification of patents—Continued.

237—	9: 1,237,253 12: 1,221,433 13: 1,214,255 14: 1,220,497 1,229,113 1,236,102 15: 1,224,061 1,242,230 16: 1,211,606 1,235,828 17: 1,237,343 1,243,324 1,249,824 18: 1,222,105 19: 1,235,508 1,240,101 1,246,681 20: 1,234,049 21: 1,211,667 1,213,305 1,214,921 1,217,110 1,219,924 1,237,231 1,241,167 1,246,098 1,247,783 1,249,306 27: 1,241,620 30: 1,243,154 45: 1,242,898 47: 1,223,483 48: 1,242,507 67: 1,226,694 68: 1,210,784 1,224,559 1,235,126 1,235,462 1,239,805 71: 1,246,153 72: 1,226,224 1,234,694 73: 1,216,348 78: 1,212,574 1,218,247 1,227,263 1,232,954 1,233,474 1,239,908 1,241,389 1,241,524 1,249,432 79: 1,218,707 1,224,501 1,246,212 241: 1,247,096 238— 1: 1,214,914 2: 1,212,827 1,213,338 1,216,344 1,218,180 1,218,450 1,219,224 1,219,362 1,220,035 1,220,491 1,220,864 1,223,203 1,224,607 1,226,136 1,227,811 1,227,857 1,227,859 1,231,038 1,236,495 1,237,259 1,237,996 1,238,351 1,240,406 1,240,865 1,241,857 1,242,300 1,244,657 1,246,773 1,246,980 1,247,898 1,250,850 1,250,901 1,250,930 3: 1,212,245 1,214,245 1,214,299 1,214,339 1,215,112 1,217,555 1,218,527 1,219,503 1,220,443 1,223,695 1,225,325 1,226,646 1,227,405 1,229,153	238— 3: 1,229,154 1,229,832 1,231,428 1,231,669 1,235,039 1,238,788 1,239,073 1,239,402 1,239,750 1,240,039 1,241,970 1,242,184 1,244,813 1,248,581 1,248,752 1,250,194 1,250,871 1,251,229 4: 1,210,943 1,211,561 1,211,609 1,213,128 1,213,580 1,213,856 1,214,436 1,214,689 1,214,723 1,215,392 1,215,426 1,215,780 1,216,156 1,216,256 1,216,873 1,217,127 1,217,541 1,218,379 1,219,771 1,219,772 1,221,203 1,223,061 1,223,992 1,224,113 1,224,426 1,224,608 1,227,526 1,227,755 1,227,804 1,227,855 1,227,858 1,228,597 1,228,613 1,228,614 1,229,238 1,229,926 1,230,468 1,230,703 1,232,430 1,232,431 1,232,432 1,232,433 1,234,647 1,235,492 1,235,493 1,235,494 1,235,495 1,235,496 1,238,171 1,238,335 1,238,386 1,240,674 1,240,843 1,240,970 1,241,202 1,241,224 1,241,684 1,242,311 1,242,732 1,242,981 1,243,282 1,243,688 1,244,145 1,244,356 1,244,590 1,244,707 1,245,056 1,248,240 1,248,790 1,248,844 1,249,161 1,249,333 1,249,687 1,249,876 1,249,940 1,250,948 1,250,947 1,251,012 5: 1,211,063 1,211,162 1,211,727 1,211,957 1,212,037 1,212,217 1,212,922	238— 5: 1,213,122 1,213,448 1,213,612 1,214,587 1,215,981 1,216,217 1,216,473 1,216,903 1,216,989 1,217,767 1,218,141 1,218,425 1,218,554 1,218,592 1,219,271 1,219,319 1,219,541 1,219,911 1,220,490 1,220,885 1,221,096 1,221,330 1,222,133 1,222,432 1,222,609 1,222,811 1,222,819 1,223,171 1,223,805 1,223,895 1,224,078 1,225,153 1,225,413 1,225,503 1,225,600 1,225,688 1,225,751 1,226,381 1,226,571 1,227,036 1,227,083 1,227,636 1,228,008 1,228,883 1,228,903 1,229,932 1,230,370 1,230,630 1,231,427 1,231,432 1,231,718 1,232,565 1,232,645 1,233,140 1,233,413 1,233,861 1,235,281 1,236,041 1,237,720 1,237,863 1,239,321 1,239,363 1,239,739 1,240,658 1,240,952 1,242,334 1,242,836 1,243,084 1,244,072 1,244,176 1,244,616 1,244,828 1,245,974 1,247,028 1,247,124 1,247,506 1,249,744 1,249,865 1,249,925 1,250,117 1,250,208 1,250,366 1,250,734 6: 1,221,714 1,226,096 1,227,345 1,227,566 1,239,318 1,249,977 1,251,339 25: 1,244,019 59: 1,237,008 2: 1,213,010 1,220,948 1,231,543 1,250,149 3: 1,210,396 1,213,745 1,220,882 1,223,731 1,224,857 1,227,689 1,227,832	239— 3: 1,247,016 1,250,112 4: 1,212,204 5: R. 14,362 1,215,897 1,220,250 1,221,260 1,227,028 1,228,645 1,228,646 1,240,660 6: R. 14,272 1,212,035 1,213,326 1,214,529 1,215,373 1,215,499 1,215,946 1,216,205 1,216,373 1,217,622 1,219,057 1,219,201 1,219,255 1,219,288 1,220,023 1,221,731 1,222,313 1,223,918 1,224,785 1,225,104 1,227,146 1,227,625 1,227,742 1,227,853 1,227,874 1,228,703 1,228,716 1,229,674 1,229,925 1,230,031 1,231,440 1,231,791 1,232,286 1,232,332 1,232,786 1,233,585 1,234,321 1,234,632 1,235,775 1,236,771 1,237,612 1,238,146 1,240,727 1,241,406 1,241,653 1,242,133 1,242,299 1,242,764 1,247,146 1,247,557 1,248,333 1,248,523 1,249,006 1,249,116 8: 1,210,785 1,211,300 1,213,195 1,213,497 1,213,864 1,213,946 1,216,990 1,217,400 1,219,355 1,220,184 1,223,139 1,223,227 1,224,844 1,224,851 1,226,512 1,226,819 1,228,386 1,229,065 1,229,900 1,230,428 1,232,067 1,234,001 1,234,052 1,234,801 1,235,024 1,237,982 1,238,442 1,241,901 1,244,378 1,245,009 1,247,351 1,248,342 1,210,430 9: 1,213,759 1,215,003 1,221,899 1,222,665 1,223,251	239— 9: 1,226,212 1,226,360 1,228,276 1,228,462 1,231,333 1,237,593 1,237,924 1,238,178 1,240,429 1,243,070 1,243,992 1,246,861 1,249,296 10: 1,216,339 1,222,407 11: 1,213,699 1,227,271 1,229,005 1,231,392 1,239,334 12: 1,212,777 1,232,191 1,238,518 13: 1,223,847 1,227,364 1,240,092 1,243,322 14: 1,212,366 1,212,964 1,219,927 1,223,300 15: 1,223,533 16: 1,226,061 1,227,585 1,229,847 1,231,039 1,231,465 1,236,192 17: 1,242,203 18: 1,219,612 1,220,392 1,221,832 1,230,256 1,230,534 1,240,276 1,240,408 240— 1: R. 14,396 1,216,696 1,222,836 1,227,144 1,227,441 1,230,626 1,230,892 1,231,925 1,234,550 1,235,788 1,237,450 1,246,080 1,249,443 1,251,084 2: 1,212,306 1,213,845 1,215,986 1,220,334 1,223,205 1,224,215 1,226,607 1,229,044 1,229,458 1,230,311 1,230,942 1,231,146 1,232,166 1,232,201 1,234,607 1,236,915 1,237,524 1,242,155 1,243,316 1,249,288 1,249,374 3: 1,213,653 1,235,527 1,241,031 1,244,879 1,249,500 1,216,724 4: 1,239,493 1,247,454 1,241,098 1,243,453 1,251,031 7: 1,211,204 1,215,505 1,218,309 1,214,363 1,217,644 1,217,925 1,227,132 1,230,604 1,236,552 1,241,368 1,246,978	240— 7: 1,248,140 1,248,188 1,250,763 1,248,930 8.4: 1,211,759 1,211,976 1,214,959 1,215,389 1,216,862 1,216,929 1,216,979 1,222,948 1,227,893 1,228,132 1,229,794 1,230,721 1,236,132 1,243,600 1,244,487 1,247,038 1,247,154 8.5: 1,210,821 1,211,121 1,211,322 1,211,465 1,212,907 1,213,754 1,215,757 1,218,162 1,219,109 1,223,869 1,223,883 1,224,864 1,225,491 1,226,926 1,226,727 1,226,728 1,227,012 1,227,013 1,230,943 1,232,642 1,232,824 1,237,112 1,237,191 1,238,850 1,239,078 1,241,071 1,241,077 1,245,817 1,246,042 1,246,225 1,248,688 1,248,934 1,249,574 1,250,545 9: 1,216,016 1,250,765 10: 1,211,239 1,211,771 11: 1,213,293 1,224,097 1,224,189 1,251,346 12: 1,232,047 13: 1,236,334 14: 1,234,518 17.5: 1,210,851 1,218,570 18: 1,212,631 1,218,185 1,228,566 20: 1,212,228 1,248,668 22: 1,219,514 1,221,965 1,223,459 1,224,064 1,239,672 1,246,706 23: 1,233,631 1,235,256 1,240,899 1,251,248 24: 1,228,911 25: 1,233,617 29: 1,218,428 37: 1,240,786 38: 1,250,102 39: 1,215,264 41: 1,210,676 1,211,047 1,211,750 1,212,748 1,213,269 1,213,974 1,214,524 1,214,582 1,214,583 1,215,274 1,216,910 1,216,911 1,216,914 1,218,476
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INDEX OF PATENTS ISSUED FROM THE Classification of patents—Continued.

240— 41: 1, 221, 036 1, 221, 037 1, 221, 212 1, 222, 312 1, 223, 657 1, 223, 752 1, 224, 178 1, 224, 179 1, 225, 032 1, 226, 193 1, 226, 294 1, 226, 325 1, 227, 694 1, 228, 749 1, 229, 474 1, 229, 538 1, 230, 144 1, 231, 677 1, 232, 046 1, 235, 274 1, 235, 275 1, 235, 276 1, 235, 340 1, 235, 484 1, 236, 423 1, 238, 483 1, 238, 564 1, 239, 371 1, 239, 461 1, 240, 299 1, 240, 452 1, 240, 583 1, 240, 644 1, 241, 074 1, 241, 874 1, 242, 185 1, 242, 186 1, 242, 808 1, 245, 331 1, 245, 512 1, 247, 841 1, 248, 146 1, 249, 133 1, 249, 421 1, 250, 249 42: 1, 244, 262 1, 209, 063 1, 249, 861 1, 250, 960 43: 1, 236, 601 44: 1, 214, 452 1, 217, 841 1, 220, 395 1, 221, 007 1, 229, 177 1, 235, 809 1, 240, 282 1, 244, 880 1, 247, 582 1, 248, 654 1, 250, 745 45: 1, 215, 029 1, 222, 013 1, 230, 304 1, 235, 620 45.2: 1, 214, 909 1, 236, 966 1, 237, 467 1, 245, 006 1, 246, 137 45.6: 1, 216, 100 46: 1, 219, 394 1, 220, 359 1, 222, 442 1, 225, 472 1, 235, 665 1, 242, 076 1, 243, 930 48.2: R. 14, 406 1, 218, 104 1, 211, 447 1, 213, 154 1, 227, 795 1, 238, 204 1, 238, 484 1, 238, 685 1, 243, 236 1, 245, 083 1, 241, 886 1, 243, 399 1, 243, 652 1, 244, 556 1, 244, 734 48.4: 1, 217, 420 1, 217, 912 1, 219, 389 1, 219, 480 1, 219, 583 1, 219, 628 1, 220, 711 1, 221, 305 1, 222, 427 1, 224, 421	240— 48.4: 1, 227, 462 1, 227, 777 1, 227, 778 1, 230, 669 1, 230, 670 1, 230, 844 1, 233, 495 1, 235, 297 1, 235, 564 1, 235, 674 1, 235, 675 1, 235, 752 1, 236, 137 1, 237, 148 1, 238, 446 1, 245, 426 1, 245, 836 1, 246, 093 1, 246, 216 1, 246, 728 1, 249, 408 1, 250, 669 1, 250, 714 1, 251, 211 48.6: 1, 212, 145 1, 216, 912 1, 216, 913 1, 219, 066 1, 233, 082 1, 235, 065 1, 244, 200 1, 250, 030 1, 251, 457 49: 1, 238, 220 52: 1, 217, 718 1, 218, 531 1, 233, 882 1, 234, 833 1, 239, 843 1, 244, 615 1, 248, 502 1, 250, 580 53: 1, 222, 573 1, 241, 295 57: 1, 216, 764 1, 218, 766 1, 219, 354 1, 224, 463 1, 227, 258 1, 229, 907 1, 233, 655 1, 236, 456 1, 243, 388 1, 247, 389 1, 248, 103 1, 248, 476 1, 250, 812 58: 1, 222, 458 1, 240, 233 59: 1, 215, 043 1, 217, 666 60: 1, 217, 547 1, 223, 291 61: 1, 210, 990 1, 212, 191 1, 212, 642 1, 212, 769 1, 213, 126 1, 217, 942 1, 221, 905 1, 224, 470 1, 224, 763 1, 226, 133 1, 226, 492 1, 226, 529 1, 229, 551 1, 230, 080 1, 230, 422 1, 230, 939 1, 233, 341 1, 234, 389 1, 235, 663 1, 236, 242 1, 237, 617 1, 237, 830 1, 238, 549 1, 241, 150 1, 242, 042 1, 244, 713 1, 246, 034 1, 246, 377 1, 246, 526 62: R. 14, 368 1, 210, 504 1, 211, 474 1, 212, 095 1, 212, 460 1, 213, 220 1, 213, 399 1, 213, 635 1, 213, 706 1, 213, 765 1, 214, 387 1, 214, 736	240— 62: 1, 215, 016 1, 216, 173 1, 216, 216 1, 216, 619 1, 217, 072 1, 217, 140 1, 217, 199 1, 217, 664 1, 219, 947 1, 220, 731 1, 221, 687 1, 222, 141 1, 223, 737 1, 224, 779 1, 224, 804 1, 225, 494 1, 225, 516 1, 225, 984 1, 226, 581 1, 226, 665 1, 227, 088 1, 227, 154 1, 227, 885 1, 227, 993 1, 228, 457 1, 229, 304 1, 229, 752 1, 229, 923 1, 230, 382 1, 230, 663 1, 230, 741 1, 231, 076 1, 231, 184 1, 231, 980 1, 233, 027 1, 233, 078 1, 233, 886 1, 234, 484 1, 234, 792 1, 235, 058 1, 235, 078 1, 235, 374 1, 235, 444 1, 236, 874 1, 237, 951 1, 238, 121 1, 238, 984 1, 239, 034 1, 239, 482 1, 240, 354 1, 240, 509 1, 240, 668 1, 240, 695 1, 240, 759 1, 240, 780 1, 240, 784 1, 241, 348 1, 241, 410 1, 242, 350 1, 242, 929 1, 243, 291 1, 243, 584 1, 245, 140 1, 245, 474 1, 245, 913 1, 246, 396 1, 247, 188 1, 247, 189 1, 247, 285 1, 247, 586 1, 248, 191 1, 248, 964 1, 248, 999 1, 249, 485 1, 250, 000 1, 250, 277 1, 250, 727 63: 1, 211, 856 66: 1, 223, 532 1, 237, 411 67: 1, 222, 915 1, 238, 549 73: 1, 233, 640 1, 233, 829 1, 246, 533 78: 1, 212, 375 1, 215, 838 1, 219, 171 1, 224, 386 1, 226, 717 1, 239, 182 1, 241, 777 1, 243, 481 1, 248, 187 1, 249, 389 1, 249, 652 1, 250, 581 79: 1, 236, 656 81: 1, 216, 422 1, 216, 819 1, 219, 892	240— 81: 1, 221, 744 1, 222, 676 1, 225, 051 1, 225, 411 1, 228, 507 1, 231, 882 1, 241, 576 1, 243, 675 1, 246, 647 1, 250, 120 1, 249, 903 83: 1, 215, 562 85: 1, 226, 211 1, 231, 947 1, 237, 501 1, 243, 664 1, 250, 130 1, 251, 406 91: 1, 214, 667 1, 221, 059 1, 239, 657 1, 239, 842 92: 1, 211, 651 1, 215, 299 1, 230, 046 1, 231, 337 1, 239, 038 1, 240, 505 1, 247, 000 1, 247, 445 1, 249, 841 93: 1, 237, 359 97: 1, 214, 200 1, 225, 990 98: 1, 223, 233 1, 238, 675 99: 1, 216, 864 1, 218, 703 1, 242, 748 1, 246, 688 100: 1, 212, 174 1, 234, 951 1, 246, 047 101: 1, 210, 835 1, 223, 921 1, 247, 362 102: 1, 211, 251 1, 216, 074 1, 241, 172 1, 244, 640 103: 1, 214, 514 1, 214, 863 1, 248, 222 1, 217, 945 106: 1, 211, 772 1, 214, 847 1, 220, 562 1, 229, 784 1, 230, 645 1, 236, 594 1, 238, 582 1, 245, 855 1, 246, 497 1, 246, 509 1, 249, 364 109: 1, 214, 156 1, 234, 590 111: 1, 214, 916 1, 216, 818 1, 223, 130 1, 230, 719 1, 234, 382 1, 235, 020 1, 238, 640 1, 244, 639 114: 1, 210, 613 1, 217, 489 1, 225, 049 1, 225, 397 1, 234, 993 1, 235, 632 1, 235, 635 1, 236, 373 1, 238, 485 1, 242, 494 1, 247, 493 1, 249, 567 115: 1, 210, 673 1, 211, 724 1, 211, 847 1, 216, 855 1, 217, 582 1, 222, 628 1, 222, 749 1, 224, 162 1, 225, 700 1, 228, 003 1, 228, 004 1, 228, 969 1, 233, 828 1, 235, 951 1, 239, 556 1, 245, 029	240— 115: 1, 245, 177 1, 248, 849 1, 251, 051 116: 1, 214, 933 119: 1, 251, 074 123: 1, 225, 279 1, 228, 293 1, 238, 401 1, 240, 895 1, 246, 814 1, 212, 650 1, 212, 600 1, 212, 650 1, 247, 880 43.7: 1, 243, 485 44: 1, 226, 606 1, 227, 754 1, 239, 385 1, 239, 669 1, 248, 247 46: 1, 237, 457 46.2: 1, 238, 352 1, 238, 353 52: 1, 216, 994 1, 246, 586 1, 248, 243 1, 248, 017 1, 250, 399 54: 1, 230, 009 55: 1, 211, 259 1, 212, 750 1, 215, 066 1, 224, 634 1, 230, 130 1, 230, 262 1, 238, 694 1, 249, 941 1, 243, 739 1, 244, 918 56: 1, 211, 058 58: 1, 210, 902 1, 233, 004 1, 248, 542 1, 250, 217 61: 1, 220, 974 1, 222, 038 1, 240, 800 66: 1, 213, 665 1, 246, 988 68: 1, 222, 943 1, 223, 104 1, 234, 746 1, 241, 193 1, 242, 506 1, 244, 865 69: 1, 236, 430 1, 245, 104 1, 216, 163 1, 234, 531 19: 1, 220, 984 1, 250, 283 21: 1, 224, 604 1, 249, 816 23: 1, 234, 819 24: 1, 213, 386 25: 1, 218, 153 1, 245, 272 27: 1, 221, 722 1, 232, 252 28: 1, 221, 966 30: 1, 220, 896 1, 219, 266 2: 1, 250, 436 3: 1, 224, 397 1, 242, 885 6: 1, 237, 810 1, 237, 811 1, 237, 812 1, 239, 019 1, 241, 162 1, 242, 371 1, 244, 255 1, 246, 260 1, 246, 832 7: 1, 215, 137 8: 1, 220, 054 10: 1, 223, 620 11: 1, 215, 934 1, 250, 705 13: 1, 240, 448 18: 1, 240, 352 21: 1, 210, 643 25: 1, 248, 167 27: 1, 213, 836 29: 1, 216, 557 31: 1, 214, 742 1, 236, 906 1, 237, 367 1, 246, 229 37: 1, 215, 025 1, 251, 075 38: 1, 222, 962 41: 1, 240, 881 43: 1, 238, 424 1, 233, 042 1, 234, 388	242— 43: 1, 236, 464 1, 247, 980 1, 248, 898 43.2: 1, 235, 958 43.5: 1, 245, 453 43.6: 1, 211, 442 1, 212, 650 1, 212, 600 1, 246, 814 1, 247, 880 43.7: 1, 243, 485 44: 1, 226, 606 1, 227, 754 1, 239, 385 1, 239, 669 1, 248, 247 46: 1, 237, 457 46.2: 1, 238, 352 1, 238, 353 52: 1, 216, 994 1, 246, 586 1, 248, 243 1, 248, 017 1, 250, 399 54: 1, 230, 009 55: 1, 211, 259 1, 212, 750 1, 215, 066 1, 224, 634 1, 230, 130 1, 230, 262 1, 238, 694 1, 249, 941 1, 243, 739 1, 244, 918 56: 1, 211, 058 58: 1, 210, 902 1, 233, 004 1, 248, 542 1, 250, 217 61: 1, 220, 974 1, 222, 038 1, 240, 800 66: 1, 213, 665 1, 246, 988 68: 1, 222, 943 1, 223, 104 1, 234, 746 1, 241, 193 1, 242, 506 1, 244, 865 69: 1, 236, 430 1, 245, 104 1, 216, 163 1, 234, 531 19: 1, 220, 984 1, 250, 283 21: 1, 224, 604 1, 249, 816 23: 1, 234, 819 24: 1, 213, 386 25: 1, 218, 153 1, 245, 272 27: 1, 221, 722 1, 232, 252 28: 1, 221, 966 30: 1, 220, 896 1, 219, 266 2: 1, 250, 436 3: 1, 224, 397 1, 242, 885 6: 1, 237, 810 1, 237, 811 1, 237, 812 1, 239, 019 1, 241, 162 1, 242, 371 1, 244, 255 1, 246, 260 1, 246, 832 7: 1, 215, 137 8: 1, 220, 054 10: 1, 223, 620 11: 1, 215, 934 1, 250, 705 13: 1, 240, 448 18: 1, 240, 352 21: 1, 210, 643 25: 1, 248, 167 27: 1, 213, 836 29: 1, 216, 557 31: 1, 214, 742 1, 236, 906 1, 237, 367 1, 246, 229 37: 1, 215, 025 1, 251, 075 38: 1, 222, 962 41: 1, 240, 881 43: 1, 238, 424 1, 233, 042 1, 234, 388 78: 1, 222, 827 1, 229, 357 1, 230, 750 1, 230, 941 1, 230, 944 1, 230, 945 1, 237, 575 84.1: 1, 222, 651 84.4: 1, 212, 288 84.5: 1, 227, 273
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Classification of patents.—Continued.

242— 84.5: 1, 230, 270	242— 157: 1, 225, 663	244— 14: 1, 226, 521	244— 30: 1, 228, 390	246— 30: 1, 220, 089	246— 58: 1, 241, 873
1, 240, 677	1, 228, 059	1, 227, 937	1, 238, 839	1, 221, 017	1, 243, 418
84.7: 1, 228, 606	1, 247, 657	1, 228, 382	1, 246, 015	1, 222, 583	1, 243, 419
85: 1, 216, 255	158: 1, 221, 975	1, 230, 045	31: 1, 214, 955	1, 224, 111	1, 243, 782
1, 226, 407	1, 233, 106	1, 230, 641	1, 222, 140	1, 229, 155	1, 243, 832
86: 1, 228, 501	159: 1, 231, 382	1, 238, 264	1, 223, 298	1, 231, 540	1, 247, 915
1, 236, 734	1, 240, 045	1, 240, 070	1, 225, 711	1, 231, 541	1, 249, 685
1, 242, 015	1, 240, 104	1, 240, 669	1, 228, 375	1, 231, 846	1, 249, 686
1, 244, 818	161: 1, 214, 741	1, 242, 412	1, 231, 444	1, 233, 473	1, 249, 761
87: 1, 221, 099	1, 233, 041	1, 244, 367	1, 235, 988	1, 233, 488	59: R. 14, 295
90: 1, 215, 454	462: 1, 236, 965	1, 245, 279	1, 237, 889	1, 239, 699	1, 211, 099
1, 230, 677	1: 1, 248, 767	1, 245, 721	1, 238, 315	31: 1, 245, 589	1, 211, 697
1, 230, 794	4: 1, 234, 281	1, 246, 022	1, 238, 316	34: 1, 216, 369	1, 211, 838
1, 231, 040	7: 1, 248, 657	1, 250, 033	1, 240, 812	1, 223, 611	1, 213, 474
91: 1, 247, 421	1, 248, 658	1, 250, 262	1, 241, 092	1, 226, 916	1, 213, 598
94: 1, 250, 011	13: 1, 240, 362	1, 250, 649	1, 244, 470	1, 238, 772	1, 214, 328
95: 1, 212, 647	14: 1, 236, 663	15: 1, 222, 939	1, 246, 024	35: 1, 221, 663	1, 215, 173
1, 225, 946	15: 1, 223, 414	1, 226, 985	1, 246, 027	1, 232, 426	1, 215, 380
1, 228, 918	24: 1, 218, 910	1, 227, 269	1, 246, 028	1, 233, 231	1, 215, 390
1, 229, 368	36: 1, 210, 482	1, 227, 650	1, 247, 802	1, 238, 922	1, 215, 952
1, 229, 762	1, 221, 924	1, 228, 054	245— 1: 1, 243, 709	1, 241, 608	1, 216, 049
1, 243, 172	39: 1, 240, 327	1, 230, 443	5: 1, 247, 720	1, 247, 477	1, 218, 270
1, 249, 237	244— 1: 1, 218, 586	1, 233, 820	1, 247, 721	1, 248, 457	1, 218, 496
96: 1, 212, 376	1, 237, 772	1, 246, 311	1, 248, 551	36: 1, 210, 503	1, 218, 721
1, 234, 347	1, 225, 139	1, 228, 940	1, 248, 552	1, 210, 816	1, 218, 816
1, 237, 730	1, 229, 503	1, 241, 072	1, 248, 553	1, 211, 083	1, 220, 053
1, 249, 536	1, 231, 387	18: 1, 229, 410	6: 1, 243, 352	1, 213, 161	1, 220, 482
1, 249, 691	1, 233, 982	1, 237, 364	9: 1, 217, 978	1, 213, 317	1, 221, 310
97: 1, 214, 190	1, 237, 266	1, 238, 451	1, 227, 970	1, 214, 440	1, 221, 826
98: 1, 220, 169	1, 237, 890	1, 250, 530	1, 227, 971	1, 215, 393	1, 221, 827
1, 225, 933	1, 239, 041	19: 1, 218, 835	1, 231, 345	1, 215, 421	1, 222, 944
1, 233, 158	1, 242, 553	1, 228, 227	1, 246, 893	1, 219, 528	1, 223, 310
101: 1, 246, 833	1, 243, 556	1, 229, 713	1, 247, 024	1, 221, 538	1, 223, 685
102: 1, 244, 445	1, 251, 414	1, 230, 881	6: 1, 247, 310	1, 223, 413	1, 224, 841
103: 1, 232, 299	2: 1, 213, 453	1, 233, 084	7: 1, 245, 133	1, 223, 511	1, 224, 865
105: 1, 239, 082	1, 213, 943	1, 236, 741	14: 1, 219, 181	1, 225, 736	1, 224, 932
106: 1, 238, 571	1, 214, 536	1, 235, 856	1, 227, 866	1, 227, 931	1, 224, 940
107: 1, 225, 658	1, 215, 842	1, 237, 789	1, 229, 178	1, 228, 030	1, 225, 747
1, 235, 092	1, 222, 996	21: 1, 213, 332	1, 230, 671	1, 228, 168	1, 228, 153
109: 1, 217, 941	1, 223, 315	1, 218, 330	1, 231, 729	1, 240, 898	1, 229, 151
1, 235, 219	1, 223, 319	1, 227, 344	1, 216, 020	1, 241, 062	1, 229, 846
1, 235, 457	1, 223, 320	1, 229, 649	1, 231, 244	1, 241, 063	1, 229, 929
1, 243, 710	1, 228, 381	1, 233, 087	1, 242, 891	1, 249, 902	1, 230, 042
110: 1, 248, 530	1, 229, 297	1, 238, 904	1, 242, 899	37: 1, 211, 676	1, 230, 767
111: 1, 242, 657	1, 236, 949	1, 244, 129	1, 241, 927	1, 241, 927	1, 232, 538
117: 1, 218, 898	1, 237, 715	1, 246, 874	1, 228, 968	1, 249, 795	1, 232, 569
1, 235, 504	1, 239, 500	1, 249, 829	1, 211, 113	40: 1, 221, 366	1, 233, 895
1, 245, 231	1, 239, 736	1, 214, 592	1, 211, 114	44: 1, 221, 155	1, 235, 829
1, 249, 169	1, 240, 371	1, 222, 791	1, 230, 570	45: 1, 242, 701	1, 235, 879
118: 1, 214, 958	1, 240, 400	1, 227, 654	1, 233, 562	48: 1, 211, 841	1, 235, 880
1, 217, 429	1, 246, 011	23: 1, 223, 163	1, 242, 663	1, 215, 989	1, 236, 314
1, 243, 157	1, 246, 012	24: 1, 211, 896	1, 248, 667	1, 247, 919	1, 237, 968
119: 1, 238, 921	1, 246, 016	1, 234, 885	1, 248, 669	1, 249, 796	1, 239, 007
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1, 243, 102	1, 246, 018	1, 217, 679	1, 249, 113	R. 14, 302	1, 241, 711
120: 1, 211, 678	1, 220, 685	1, 246, 020	1, 250, 819	1, 210, 710	1, 241, 712
1, 220, 685	1, 246, 020	1, 246, 021	1, 221, 928	1, 211, 788	1, 241, 997
122: 1, 240, 103	1, 246, 021	1, 222, 499	1, 226, 619	1, 235, 912	1, 242, 456
123: 1, 213, 630	1, 246, 022	1, 223, 330	1, 232, 584	54: 1, 217, 317	1, 242, 665
1, 225, 959	1, 246, 026	1, 227, 200	1, 232, 584	1, 220, 701	1, 245, 672
1, 236, 822	3: 1, 219, 122	1, 229, 114	1, 233, 443	1, 229, 345	1, 247, 546
124: 1, 234, 150	1, 219, 125	1, 232, 614	1, 233, 531	1, 231, 413	1, 250, 780
1, 239, 744	1, 236, 603	1, 234, 727	1, 242, 457	55: 1, 234, 237	1, 250, 784
127: 1, 222, 697	1, 236, 961	1, 242, 766	1, 215, 670	56: 1, 234, 806	1, 216, 300
128: 1, 216, 289	1, 243, 557	1, 245, 902	1, 232, 774	57: 1, 222, 368	1, 250, 144
1, 238, 606	1, 245, 389	1, 250, 213	1, 243, 601	1, 229, 828	1, 224, 227
130: 1, 221, 089	1, 250, 124	5: 1, 221, 841	1, 244, 204	1, 245, 102	1, 225, 125
1, 224, 977	1, 228, 549	6: 1, 219, 121	1, 211, 017	58: 1, 211, 720	1, 226, 921
1, 229, 491	1, 228, 549	1, 221, 234	1, 221, 674	1, 211, 995	1, 228, 127
1, 231, 217	1, 221, 124	1, 221, 231	1, 225, 507	1, 212, 157	1, 229, 665
1, 233, 064	1, 221, 430	1, 228, 729	1, 225, 508	1, 212, 224	1, 230, 742
1, 234, 551	1, 239, 796	1, 241, 623	1, 229, 055	1, 213, 198	1, 236, 026
1, 239, 138	1, 243, 550	1, 247, 412	1, 239, 049	1, 213, 660	1, 236, 027
1, 239, 139	1, 245, 620	7: 1, 213, 585	1, 241, 776	1, 213, 891	1, 238, 799
1, 243, 550	131: 1, 216, 782	1, 213, 585	1, 211, 644	1, 216, 038	1, 240, 188
1, 245, 620	1, 218, 601	1, 233, 210	1, 226, 792	1, 217, 530	1, 242, 533
1, 216, 782	1, 228, 410	1, 239, 942	1, 230, 193	1, 242, 144	1, 243, 748
1, 218, 601	1, 234, 693	9: 1, 227, 912	1, 229, 957	1, 217, 787	1, 245, 077
1, 228, 410	134: 1, 220, 760	1, 241, 219	1, 226, 312	1, 218, 587	1, 245, 077
1, 234, 693	1, 215, 824	1, 247, 960	1, 227, 464	1, 232, 858	1, 246, 102
134: 1, 220, 760	1, 215, 825	11: 1, 217, 518	1, 228, 380	1, 232, 859	1, 246, 333
1, 215, 824	1, 219, 399	1, 219, 616	1, 228, 705	1, 232, 860	1, 221, 309
1, 215, 825	138: 1, 222, 703	1, 212, 954	1, 230, 526	1, 232, 861	1, 227, 538
1, 219, 399	1, 219, 638	1, 213, 909	1, 232, 313	1, 232, 861	1, 233, 538
138: 1, 222, 703	1, 221, 883	1, 215, 226	1, 233, 227	1, 237, 905	1, 235, 671
1, 219, 638	1, 228, 623	1, 219, 285	1, 233, 616	1, 216, 982	1, 244, 454
1, 221, 883	141: 1, 244, 418	1, 223, 317	1, 237, 039	1, 218, 281	5: R. 14, 284
1, 228, 623	1, 245, 403	1, 227, 319	1, 237, 072	1, 222, 634	1, 210, 492
141: 1, 244, 418	1, 245, 403	1, 238, 907	1, 237, 734	1, 243, 530	1, 211, 182
1, 245, 403	144: 1, 221, 593	1, 241, 860	1, 237, 888	1, 211, 675	1, 213, 865
144: 1, 221, 593	1, 216, 863	1, 246, 010	1, 238, 031	1, 236, 705	1, 220, 168
1, 216, 863	146: 1, 216, 863	1, 247, 685	1, 238, 572	1, 211, 140	1, 221, 944
146: 1, 216, 863	1, 214, 820	1, 248, 545	1, 239, 635	1, 211, 141	1, 223, 467
147: 1, 214, 820	1, 241, 329	1, 250, 749	1, 239, 636	1, 211, 142	1, 224, 316
149: 1, 241, 329	1, 245, 254	13: 1, 230, 620	1, 239, 837	1, 213, 442	1, 224, 576
1, 245, 254	151: 1, 211, 862	1, 237, 318	1, 242, 295	1, 232, 561	1, 228, 330
151: 1, 211, 862	1, 238, 100	14: 1, 215, 295	1, 242, 540	1, 233, 029	1, 229, 576
1, 247, 327	1, 247, 327	1, 215, 466	1, 246, 013	1, 236, 624	1, 229, 651
152: 1, 211, 815	153: 1, 233, 697	1, 218, 387	1, 246, 025	1, 214, 375	1, 230, 218
1, 211, 815	155: 1, 231, 560	1, 218, 456	1, 246, 235	1, 215, 522	1, 230, 643
153: 1, 233, 697	156: 1, 242, 927	1, 220, 368	1, 247, 727	1, 216, 231	1, 234, 271
1, 231, 560	1, 243, 036	1, 225, 059	1, 249, 593	1, 219, 554	
156: 1, 242, 927					
1, 243, 036					
157: 1, 224, 006					

247—	5: 1,243,800 1,246,741 1,249,313 6: 1,223,865 1,225,525 1,227,837 1,236,754 7: 1,215,249 1,239,243 1,243,246 8: 1,217,398 1,225,553 10: 1,218,621 1,224,269 1,225,614 1,238,383 1,232,412 1,238,885 12: 1,217,604 1,224,131 1,224,320 1,224,971 1,225,299 1,225,300 1,227,697 1,228,155 1,229,995 1,231,273 1,234,857 1,235,069 1,235,926 1,243,902 1,247,180 1,249,866 13: 1,219,864 1,223,750 1,224,409 1,224,966 1,225,997 1,228,362 1,228,839 1,242,326 1,248,603 17: 1,245,036 1,245,037 1,248,260 21: 1,223,699 27: 1,248,699 248—	248—	20: 1,224,617 1,226,101 1,226,192 1,226,968 1,227,046 1,231,869 1,232,690 1,236,254 1,236,735 1,236,929 1,239,109 1,239,890 1,241,225 1,241,344 1,242,125 1,242,398 1,244,050 1,241,573 1,245,744 1,246,107 1,246,119 1,246,749 1,247,234 1,247,600 22: 1,216,616 1,223,795 1,224,490 1,235,159 1,239,666 1,247,912 1,248,363 24: 1,213,808 1,219,045 1,222,684 1,230,440 1,230,678 1,246,140 26: 1,215,476 1,220,717 1,225,585 27: 1,223,998 28: 1,219,968 29: 1,223,276 1,233,916 30: 1,211,077 1,211,317 1,211,347 1,211,352 1,212,318 1,212,843 1,213,384 1,213,743 1,214,944 1,216,296 1,219,034 1,219,304 1,221,145 1,223,673 1,224,732 1,224,916 1,225,282 1,225,907 1,227,165 1,227,292 1,228,083 1,230,119 1,233,624 1,234,509 1,235,405 1,240,573 1,244,613 1,245,143 1,249,955 31: 1,211,039 1,216,739 1,221,705 1,225,243 1,230,441 1,240,521 32: R. 14, 260 1,211,997 1,224,309 1,245,047 33: 1,215,009 1,221,006 1,239,108 1,240,169 1,244,465 1,246,325 36: 1,210,701 1,233,181 1,241,126 37: 1,220,299 1,222,273 1,223,487 1,223,884 1,228,611 1,233,207 1,246,283 1,251,147 38: 1,217,655 1,233,091 1,240,319	248—	38: 1,240,376 39: 1,228,649 1,243,059 41: 1,211,269 1,213,032 1,222,739 1,223,577 1,228,612 1,228,813 1,229,349 1,230,425 1,234,087 1,240,648 1,242,617 1,245,632 42: 1,212,406 43: 1,213,409 1,226,724 1,236,292 1,237,428 1,244,682 1,247,144 45: 1,211,895 47: 1,210,411 1,214,226 1,221,677 50: 1,215,052 1,228,774 1,246,197 52: 1,250,923 56: 1,235,358 1,247,624 1,249,341 1,250,655 58: 1,214,413 1,220,640 1,229,090 1,231,197 1,235,471 63: 1,224,696 1,226,231 1,226,799 1,228,261 1,234,199 250—	250—	31: 1,225,852 1,245,135 1,251,378 33: 1,214,283 1,214,591 1,219,550 34: 1,211,376 1,213,208 1,213,872 1,216,633 1,217,148 1,217,149 1,219,965 1,225,860 1,229,553 1,229,740 1,233,122 1,236,051 1,236,792 1,239,145 1,239,146 1,241,136 1,242,498 1,246,508 1,250,093 1,250,730 1,250,731 1,251,388 35: 1,211,091 1,211,092 1,214,500 1,215,116 1,218,026 1,218,423 1,226,383 1,227,884 1,246,066 36: 1,214,214 1,216,720 1,221,034 1,223,589 1,231,528 1,239,831 1,240,206 37: 1,211,863 1,214,620 1,216,646 1,217,517 1,224,639 1,226,099 1,240,294 1,247,556 38: 1,216,538 1,216,647 1,222,761 1,224,048 1,231,489 1,235,935 1,243,043 1,245,702 1,250,385 39: 1,228,065 41: 1,229,914 1,229,915 1,237,015 1,240,958 1,241,926 1,248,829 1,251,440 1,212,847 1,213,368 1,214,299 1,215,358 1,219,060 1,219,315 1,223,350 1,224,454 1,228,622 1,235,339 1,236,948 1,237,704 1,239,992 1,251,057 1,251,058 252—	250—	2: 1,242,933 3: 1,225,224 6: 1,228,937 8: 1,214,257 1,216,927 10: 1,213,104 11: 1,227,201 16: 1,222,913 1,239,839 1,242,798 1,248,324 1,250,847 17: 1,215,451 1,223,843 1,247,520 1,248,462 1,249,203 1,251,100	253—	18: 1,222,186 19: 1,211,651 1,235,000 24: 1,234,882 38: 1,238,554 1,243,135 39: 1,227,986 46: 1,237,639 47: 1,235,810 50: 1,211,831 1,225,424 1,232,946 51: 1,235,201 53: 1,231,207 59: 1,223,342 62: 1,216,162 65: 1,218,834 69: 1,210,978 1,211,682 1,212,975 1,221,087 1,242,574 1,243,476 1,243,523 70: 1,215,984 1,235,936 1,243,131 71: 1,238,457 1,244,247 73: 1,245,392 74: 1,225,844 77: 1,217,282 1,229,490 1,245,810 1,247,400 78: 1,213,930 1,246,063 79: 1,243,477 81: 1,221,500 1,223,721 83: R. 14, 333 R. 14, 355 1,223,914 1,223,915 91: 1,250,663 114: 1,247,830 120: 1,239,395 122: 1,223,841 1,223,842 1,246,200 1,248,168 136: 1,242,862 1,246,391 137: 1,228,897 140: 1,222,046 142: 1,221,834 156: 1,215,386 173: 1,235,559 176: 1,228,267 179: 1,238,515 182: 1,211,390 1,245,466 1,245,806 187: 1,243,215 188: 1,218,223 1,221,822 1,238,731 1,247,064 189: 1,225,805 191: 1,210,777 1,229,274 1,220,347 196: 1,237,007 198: 1,237,229 199: 1,228,770 200: 1,214,812 1,244,103 254—	253—	1: 1,229,951 2: R. 14, 404 3: 1,242,111 1,220,700 1,239,771 5: 1,230,251 1,230,278 1,248,075 6: 1,233,260 7: 1,211,373 1,214,769 1,213,824 1,250,840 8: 1,221,491 1,227,480 10: 1,230,250 1,230,739 1,241,366 1,243,035	254—	10: 1,244,783 14: 1,228,214 15: 1,239,306 1,249,543 16: 1,222,521 1,231,461 1,237,149 17: 1,242,623 18: 1,235,084 21: 1,237,472 22: 1,223,269 23: 1,235,986 1,238,266 24: 1,215,012 25: 1,221,323 26: 1,226,413 1,227,063 27: 1,224,609 28: 1,241,179 29: 1,220,346 31: 1,223,410 33: 1,220,222 1,240,836 1,245,085 1,246,504 1,249,329 37: 1,243,914 38: 1,215,634 39: 1,246,160 41: 1,217,539 42: 1,228,426 43: 1,220,319 1,223,452 1,243,738 1,242,395 1,243,363 1,251,337 44: 1,247,224 45: 1,237,297 1,238,329 50: 1,244,235 51: 1,211,084 1,238,119 54: 1,231,521 56: 1,217,276 57: 1,219,828 64: 1,214,772 65: 1,216,089 1,218,306 1,224,627 1,236,354 66: 1,238,253 1,242,026 67: 1,217,851 1,235,141 1,240,042 1,250,245 68: 1,225,189 70: 1,231,552 71: 1,231,618 72: 1,216,233 1,219,306 73: 1,218,018 1,234,297 75: 1,226,616 1,234,243 76: 1,210,657 1,218,442 77: 1,215,180 1,218,744 1,220,347 1,231,493 1,245,079 1,248,289 78: 1,235,762 1,238,647 1,238,905 80: 1,216,809 83: 1,213,669 1,214,136 1,219,395 1,220,040 1,220,912 1,223,709 1,248,529 1,250,096 84: 1,227,976 1,239,571 86: 1,214,692 1,215,082 1,217,001 1,220,397 1,225,644 1,226,242 1,233,322 1,236,571 1,245,310 1,245,962 1,250,341 88: 1,218,443
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Classification of patents—Continued.

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712 1, 223, 814 1, 219, 303 1, 245, 920 1, 238, 591 1, 241, 271 1, 216, 530 1, 232, 535 1, 249, 888 1, 224, 565 1, 241, 637 1, 215, 241 1, 212, 646 1, 214, 105 1, 215, 874 1, 229, 853 1, 233, 244 1, 249, 297 1, 234, 058 1, 232, 342 1, 219, 530	254—	161: 1, 216, 825 1, 244, 836 1, 245, 128 1, 210, 754 1, 229, 343 1, 243, 940 1, 235, 131 1, 230, 211 1, 212, 009 1, 217, 594 1, 219, 209 1, 226, 458 1, 226, 815 1, 229, 864 1, 233, 797 1, 249, 901 1, 212, 981 1, 245, 623 1, 249, 605 1, 249, 800 1, 229, 558 1, 239, 110 1, 243, 292 1, 234, 475 1, 246, 669 1, 248, 470 1, 250, 897 1, 211, 634 1, 216, 628 1, 220, 217 1, 226, 393 1, 228, 296 1, 251, 323 1, 237, 070 1, 224, 287 1, 245, 600 1, 227, 911 1, 231, 159 1, 236, 982 1, 236, 983 1, 238, 407 1, 247, 839 1, 248, 614 1, 224, 509 1, 245, 462 1, 217, 086 1, 221, 352 1, 226, 989 1, 241, 931 1, 244, 240 1, 245, 274 1, 225, 891 1, 233, 385 1, 221, 438 1, 239, 865 1, 235, 749 1, 216, 982 1, 235, 588 1, 238, 388 1, 224, 930 1, 220, 527 1, 220, 949 1, 231, 865 1, 213, 874 1, 241, 665 1, 243, 580 1, 240, 776 1, 210, 615 1, 217, 467 1, 220, 919 1, 236, 866 1, 212, 962 1, 211, 198 1, 212, 848 1, 217, 079 1, 246, 329 1, 217, 062 1, 217, 349 1, 233, 933 1, 250, 509 1, 211, 080 1, 218, 359 1, 238, 563 1, 213, 989 1, 217, 606 1, 217, 815 1, 244, 386 1, 245, 348 1, 215, 056 1, 214, 607 1, 214, 665 1, 217, 617 1, 222, 663 1, 227, 117 1, 227, 865 1, 236, 371 1, 244, 385 1, 241, 327 1, 218, 149 1, 214, 603 1, 232, 111	255—	49: 1, 250, 103 1, 223, 027 1, 249, 070 1, 214, 527 1, 218, 604 1, 250, 933 1, 222, 752 1, 223, 432 1, 214, 342 1, 228, 107 1, 211, 331 1, 218, 671 1, 225, 629 1, 226, 377 1, 235, 883 1, 218, 652 1, 218, 579 1, 234, 097 1, 244, 882 1, 210, 704 1, 230, 790 1, 222, 460 1, 236, 940 1, 244, 051 1, 251, 206 1, 224, 847 1, 211, 537 1, 211, 634 1, 216, 628 1, 220, 217 1, 226, 393 1, 228, 296 1, 251, 323 1, 237, 070 1, 224, 287 1, 245, 600 1, 231, 159 1, 236, 982 1, 236, 983 1, 238, 407 1, 247, 839 1, 248, 614 1, 224, 509 1, 245, 462 1, 217, 086 1, 221, 352 1, 226, 989 1, 241, 931 1, 244, 240 1, 245, 274 1, 225, 891 1, 233, 385 1, 221, 438 1, 239, 865 1, 235, 749 1, 216, 982 1, 235, 588 1, 238, 388 1, 224, 930 1, 220, 527 1, 220, 949 1, 231, 865 1, 213, 874 1, 241, 665 1, 243, 580 1, 240, 776 1, 210, 615 1, 217, 467 1, 220, 919 1, 236, 866 1, 212, 962 1, 211, 198 1, 212, 848 1, 217, 079 1, 246, 329 1, 217, 062 1, 217, 349 1, 233, 933 1, 250, 509 1, 211, 080 1, 218, 359 1, 238, 563 1, 213, 989 1, 217, 606 1, 217, 815 1, 244, 386 1, 245, 348 1, 215, 056 1, 214, 607 1, 214, 665 1, 217, 617 1, 222, 663 1, 227, 117 1, 227, 865 1, 236, 371 1, 244, 385 1, 241, 327 1, 218, 149 1, 214, 603 1, 232, 111	256—	52: 1, 249, 186 1, 234, 113 1, 235, 467 1, 236, 150 1, 228, 717 1, 222, 020 1, 212, 015 1, 220, 961 1, 225, 550 1, 233, 719 1, 250, 922 1, 227, 232 1, 210, 729 1, 245, 888 1, 248, 903 1, 228, 077 1, 235, 072 1, 250, 986 1, 230, 557 1, 231, 842 1, 238, 187 1, 238, 574 1, 243, 132 1, 229, 636 1, 230, 581 1, 232, 391 1, 234, 030 1, 246, 154 1, 233, 138 1, 235, 908 1, 239, 198 1, 229, 917 1, 236, 548 1, 216, 572 1, 224, 901 1, 222, 548 1, 232, 128 1, 250, 435 1, 227, 702 1, 232, 122 1, 240, 609 1, 250, 980 1, 211, 252 1, 226, 542 1, 242, 518 1, 210, 578 1, 239, 415 1, 237, 941 1, 217, 732 1, 232, 339 1, 238, 943 1, 243, 816 1, 251, 227 1, 242, 961 1, 227, 770 1, 235, 057 1, 214, 203 1, 214, 642 1, 214, 654 1, 215, 793 1, 216, 509 1, 217, 934 1, 220, 745 1, 228, 474 1, 229, 156 1, 233, 081 1, 233, 429 1, 233, 472 1, 233, 765 1, 234, 166 1, 238, 192 1, 239, 491 1, 240, 543 1, 247, 917 1, 250, 187 1, 242, 652 1, 218, 089 1, 218, 547 1, 220, 794 1, 226, 344 1, 227, 181 1, 239, 144 1, 248, 073 1, 249, 731 1, 242, 666 1, 221, 691 1, 229, 835 1, 232, 723 1, 242, 646 1, 218, 880 1, 223, 978 1, 245, 011 1, 221, 422 1, 239, 428 1, 218, 367 1, 224, 677 1, 230, 812 1, 236, 855 1, 214, 047 1, 238, 851 1, 213, 212	257—	177: 1, 227, 328 1, 218, 791 1, 230, 960 1, 245, 469 1, 248, 179 1, 226, 128 1, 226, 129 1, 237, 363 1, 240, 131 1, 249, 694 1, 218, 724 1, 246, 991 1, 249, 089 1, 246, 824 1, 249, 557 1, 246, 939 1, 237, 484 1, 221, 918 1, 237, 722 1, 244, 704 1, 217, 795 1, 226, 299 1, 226, 379 1, 215, 555 1, 215, 041 1, 224, 335 1, 217, 781 1, 219, 535 1, 241, 190 1, 225, 574 1, 213, 817 1, 214, 501 1, 214, 784 1, 217, 064 1, 220, 281 1, 221, 328 1, 222, 548 1, 226, 107 1, 226, 710 1, 228, 517 1, 229, 629 1, 238, 053 1, 238, 404 1, 239, 079 1, 240, 372 1, 242, 975 1, 244, 971 1, 245, 129 1, 246, 982 1, 249, 119 1, 249, 647 1, 251, 185 1, 213, 349 1, 247, 937 1, 234, 083 1, 246, 279 1, 223, 800 1, 223, 801 1, 234, 222 1, 244, 507 1, 245, 674 1, 249, 102 1, 232, 567 1, 225, 895 1, 223, 852 1, 243, 606 1, 251, 318 1, 213, 458 1, 251, 398 1, 216, 056 1, 213, 823 1, 229, 103 1, 247, 636 1, 214, 127 1, 232, 631 1, 249, 670 1, 219, 441 1, 217, 806 1, 219, 191 1, 217, 394 1, 245, 493 1, 229, 331 1, 235, 578 1, 244, 284 1, 249, 307 1, 224, 433 1, 236, 908 1, 213, 106 1, 227, 914 1, 221, 147 1, 225, 594 1, 228, 840 1, 242, 437 1, 249, 993 1, 250, 808 1, 251, 319 1, 251, 267 1, 220, 284 1, 227, 473 1, 231, 434 1, 241, 944 1, 242, 381	258—	22: 1, 243, 945 1, 222, 026 1, 229, 191 1, 244, 582 1, 213, 439 1, 215, 939 1, 217, 478 1, 228, 605 1, 239, 492 1, 227, 369 1, 249, 403 1, 230, 346 1, 246, 003 1, 238, 115 1, 220, 426 1, 233, 023 1, 249, 358 1, 218, 361 1, 247, 001 1, 230, 638 1, 230, 672 1, 227, 578 1, 225, 774 1, 242, 218 1, 243, 982 1, 224, 096 1, 217, 082 1, 240, 688 1, 220, 130 1, 230, 040 1, 238, 626 1, 219, 897 1, 231, 119 1, 210, 780 1, 240, 826 1, 249, 002 1, 211, 426 1, 232, 146 1, 215, 591 1, 248, 327 1, 214, 975 1, 247, 013 1, 217, 832 1, 228, 823 1, 232, 184 1, 237, 707 1, 240, 274 1, 249, 684 1, 247, 655 1, 242, 824 1, 220, 928 1, 235, 658 1, 250, 810 1, 210, 779 1, 219, 491 1, 219, 730 1, 240, 355 1, 242, 493 1, 210, 727 1, 215, 526 1, 222, 584 1, 229, 934 1, 241, 390 1, 214, 585 1, 222, 691 1, 220, 513 1, 228, 550 1, 216, 477 1, 233, 823 1, 243, 634 1, 215, 214 1, 234, 513 1, 250, 889 1, 236, 814 1, 223, 839 1, 227, 327 1, 246, 104 1, 211, 123 1, 218, 623 1, 224, 798 1, 248, 153 1, 214, 010 1, 227, 671 1, 250, 539 1, 220, 923 1, 213, 561 1, 226, 518 1, 232, 356 1, 213, 179 1, 231, 088 1, 232, 474 1, 240, 440 1, 216, 747 1, 217, 100 1, 211, 087 1, 212, 986 1, 214, 366 1, 216, 043 1, 217, 233 1, 218, 545 1, 219, 391 1, 224, 672 1, 231, 209
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261—	12: 1,236,205 1,243,666 1,247,602 1,248,563 1,250,258	261—	47: 1,222,688 1,237,490 1,238,433 1,248,105 48: 1,210,799 1,212,887 1,213,209 1,221,502 1,221,526 1,225,398 1,227,137 1,229,683 1,233,503 1,234,399 1,247,478 1,249,373 49: 1,222,130 1,222,131 1,222,453 50: 1,212,491 1,227,225 1,228,294 1,228,845 1,237,519 1,238,787 51: 1,214,767 1,234,530 1,240,960 1,249,381 52: 1,234,558 1,235,165 1,241,013 53: 1,214,332 1,235,164 1,238,812 1,250,373 54: 1,243,409 55: 1,220,478 57: 1,224,489 1,244,040 58: 1,213,462 62: 1,232,699 63: 1,226,805 1,228,272 1,230,621 64: 1,213,028 1,242,099 1,246,581 69: 1,228,157 70: 1,216,153 76: 1,223,667 1,226,818 79: 1,212,193 1,226,753 80: 1,214,760 85: 1,216,722 89: 1,211,714 1,243,897 92: 1,213,042 1,240,656 93: 1,242,445 1,250,938 94: 1,251,342 95: 1,225,684 1,228,801 102: 1,239,098 103: 1,213,782 1,225,889 1,241,376 104: 1,227,542 105: 1,239,234 107: 1,233,555 108: 1,235,291 1,246,704 110: 1,218,045 113: 1,230,781 1,239,067 114: 1,224,310 1,228,207 115: 1,222,541 1,246,867 118: 1,231,866 119: 1,214,114 121: 1,221,164 1,223,033 1,244,139 122: 1,236,000 1,236,581 123: 1,237,571 124: 1,214,372 1,222,106 1,234,229 1,237,190 1,245,985 1,246,904 125: 1,215,864 263— 1: 1,216,086 1,222,741 2: 1,247,076 3: 1,227,163 1,243,442 1,243,443 1,243,444	263—	5: 1,241,075 6: 1,212,470 1,227,027 1,241,616 1,249,066 8: 1,238,011 9: 1,230,593 1,231,507 1,234,240 13: 1,216,090 14: 1,241,397 15: 1,222,636 1,225,470 18: 1,223,738 19: 1,217,039 1,224,928 1,233,114 1,238,097 1,249,701 21: 1,226,923 1,237,708 22: 1,220,789 24: 1,219,081 25: 1,210,852 26: 1,234,408 1,237,129 29: 1,250,071 32: 1,230,684 1,243,505 33: 1,222,079 1,222,646 1,229,494 35: 1,223,213 1,247,877 36: 1,226,267 1,235,003 1,244,578 38: 1,241,750 40: 1,226,266 41: 1,213,922 1,243,798 42: 1,247,015 44: 1,220,444 1,236,140 1,245,555 46: 1,214,066 1,249,636 49: 1,232,346 1,234,789 50: 1,245,030 1,213,065 1,241,994 2: 1,236,449 1,240,739 1,249,189 3: 1,214,287 1,236,733 1,238,113 1,239,828 1,244,409 1,251,176 4: 1,213,547 1,214,286 9: 1,223,358 1,227,420 10: 1,231,899 13: 1,238,455 15: 1,221,597 1,223,896 1,226,073 1,228,402 1,244,162 16: 1,231,586 1,233,011 17: 1,241,808 1,243,359 18: 1,213,847 1,233,276 1,245,112 1,245,125 19: 1,222,984 1,222,985 20: 1,211,253 1,227,283 265— 1: 1,214,402 1,240,273 1,250,943 2: 1,217,984 4: 1,227,043 5: 1,233,641 8: 1,228,299 1,249,656 10: 1,242,863 11: 1,244,025 1,247,523 12: 1,225,438 1,232,782 1,237,051 13: 1,228,503 1,240,198 1,240,416 18: 1,247,007	265—	18: 1,249,118 20: 1,248,056 1,250,905 22: 1,226,565 1,229,309 24: 1,249,261 25: 1,233,269 26: 1,242,771 27: 1,225,085 29: 1,225,134 36: 1,233,179 1,240,219 1,248,862 37: 1,231,952 1,251,148 39: 1,250,721 40: 1,227,503 42: 1,225,094 1,227,505 45: 1,245,449 48: 1,231,003 49: 1,229,215 1,229,249 1,229,641 1,230,232 1,247,903 54: 1,243,790 56: 1,248,273 1,249,487 61: 1,229,310 1,236,776 62: 1,229,449 1,248,322 1,251,016 63: 1,245,076 1,247,249 68: 1,223,787 1,233,721 1,240,600 1,244,930 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Classification of patents—Continued.

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